April 17, 2018

**Vista Work Order No. 1701560**

Mr. Bob Gibson
General Electric Company
1 River Road, Bldg. 5-7W
Schenectady, NY 12345

Dear Mr. Gibson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 27, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'Hudson River RAMP - Resuspension Monitoring'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 ph: 916-673-1520 fx: 916-673-0106 www.vista-analytical.com

**Vista Work Order No. 1701560**
**Case Narrative**

**Sample Condition on Receipt:**

Seven water samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

**Analytical Notes:**

**EPA Method 1668C**

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Method 1668C identifies in Section 16.5 and 18.5 that loss of one or more chlorines from a highly chlorinated congener may inflate or create a false concentration for a less chlorinated congener. Section 10.3.1.1 also indicates that the laboratory must monitor the exact m/z's for congeners at higher levels of chlorination to determine if fragments will compromise measurement of congeners at lower levels of chlorination. Mass interference from congeners at higher levels of chlorination to congeners at lower levels of chlorination is particularly critical to proper identification and quantitation of the World Health Organization (WHO) List PCB congeners that have Toxicity Equivalence Factors (TEFs) relative to 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (2,3,7,8- TCDD). The following table lists the higher level chlorination congeners that can potentially qualitatively and quantitatively interfere with the measurement of the WHO list PCB congeners. The data user should be aware of these potential interferences when evaluating results for the WHO list congeners. If accurate Toxic Equivalency Quotients (TEQs) are of interest, optional analysis incorporating carbon column fractionation and/or a second column can be used to refine WHO list congener results.

**WHO List**
**Fragmentation Interferences**
**ZB-1 GC Column**

| Congener | Approx. RT | Homologue | 1 | ΔRT | 2 | ΔRT |
|---|---|---|---|---|---|---|
| PCB-77 | 39:40:00 | Tetra | PCB-120 | -1 | PCB-148 | 2 |
| PCB-81 | 39:04:00 | Tetra | PCB-87/117/125 | 3 | NA | |
| PCB-105 | 43:05:00 | Penta | PCB-132/161 | 0 | NA | |
| PCB-114 | 42:13:00 | Penta | PCB-134/143 | -3 | NA | |
| PCB-106/118 | 41:36:00 | Penta | PCB-139/149 | -4 | NA | |
| PCB-123 | 41:24:00 | Penta | NA | | NA | |
| PCB-126 | 45:19:00 | Penta | PCB-129 | 0 | NA | |
| PCB-156 | 48:05:00 | Hexa | PCB-171 | 1 | NA | |
| PCB-157 | 48:20:00 | Hexa | NA | | PCB-202 | -2 |
| PCB-167 | 46:47:00 | Hexa | NA | | NA | |
| PCB-169 | 50:33:00 | Hexa | NA | | NA | |
| PCB-189 | 49:22:00 | Hepta | NA | | NA | |

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. PCB-11 was detected in the Method Blank at 8.40 pg/L. No other analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

As requested, "U" flags were used for non-detects and "UM" flags were used for EMPCs.

The labeled standard recoveries were within the acceptance criteria.

As requested an MS/MSD was performed on sample “OWS-SCHU-T171026132034”. The MS/MSD recoveries and RPDs were within the acceptance criteria.

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# Sample Inventory Report

| Vista Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 1701560-01 | OWS-BAFA-T171026131438 | 24-Oct-17 09:18 | 27-Oct-17 09:00 | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| 1701560-02 | OWS-BDUP-T171026131726 | 24-Oct-17 00:00 | 27-Oct-17 09:00 | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| 1701560-03 | OWS-FDBL-T171026132307 | 26-Oct-17 11:58 | 27-Oct-17 09:00 | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| 1701560-04 | OWS-ROIS-T171026131614 | 24-Oct-17 09:40 | 27-Oct-17 09:00 | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| 1701560-05 | OWS-SCHU-T171026132034 | MS/MSD26-Oct-17 10:52 | 27-Oct-17 09:00 | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| 1701560-06 | OWS-THIS-T171026131900 | 26-Oct-17 09:56 | 27-Oct-17 09:00 | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |
| 1701560-07 | OWS-WAFO-T171026132220 | 26-Oct-17 11:58 | 27-Oct-17 09:00 | Amber Glass NM Bottle, 1L |
| | | | | Amber Glass NM Bottle, 1L |

# ANALYTICAL RESULTS

# Percent Solids

| LabNumber | SampleName | % Solids | RL (%) | Date Analyzed | Batch |
|---|---|---|---|---|---|
| 1701560-01 | OWS-BAFA-T171026131438 | ND | 0.1 | 09-Apr-2018 | B8D0039 |
| 1701560-02 | OWS-BDUP-T171026131726 | ND | 0.1 | 09-Apr-2018 | B8D0039 |
| 1701560-03 | OWS-FDBL-T171026132307 | ND | 0.1 | 09-Apr-2018 | B8D0039 |
| 1701560-04 | OWS-ROIS-T171026131614 | ND | 0.1 | 09-Apr-2018 | B8D0039 |
| 1701560-05 | OWS-SCHU-T171026132034 | ND | 0.1 | 09-Apr-2018 | B8D0039 |
| 1701560-06 | OWS-THIS-T171026131900 | ND | 0.1 | 09-Apr-2018 | B8D0039 |
| 1701560-07 | OWS-WAFO-T171026132220 | ND | 0.1 | 09-Apr-2018 | B8D0039 |

## Sample ID: Method Blank — EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 20:49 Column: ZB-1 |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers | Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | 5.00 | 0.752 | U | PCB-44 | ND | 5.00 | 1.11 | U |
| PCB-2 | ND | 5.00 | 0.826 | U | PCB-45 | ND | 5.00 | 1.13 | U |
| PCB-3 | ND | 5.00 | 0.825 | U | PCB-46 | ND | 5.00 | 1.18 | U |
| PCB-4/10 | ND | 10.0 | 1.27 | U | PCB-47 | ND | 6.01 | 6.01 | UM |
| PCB-5/8 | ND | 10.0 | 1.77 | U | PCB-48/75 | ND | 10.0 | 0.834 | U |
| PCB-6 | ND | 5.00 | 0.870 | U | PCB-50 | ND | 5.00 | 0.968 | U |
| PCB-7/9 | ND | 10.0 | 0.927 | U | PCB-51 | ND | 5.00 | 0.900 | U |
| PCB-11 | 8.40 | 5.00 | | | PCB-52/69 | ND | 10.0 | 0.817 | U |
| PCB-12/13 | ND | 10.0 | 0.943 | U | PCB-53 | ND | 5.00 | 0.980 | U |
| PCB-14 | ND | 5.00 | 0.930 | U | PCB-54 | ND | 5.00 | 0.788 | U |
| PCB-15 | ND | 5.00 | 0.910 | U | PCB-55 | ND | 5.00 | 0.669 | U |
| PCB-16/32 | 0.951 | 10.0 | | J | PCB-56/60 | ND | 10.0 | 0.743 | U |
| PCB-17 | ND | 5.00 | 0.579 | U | PCB-57 | ND | 5.00 | 0.686 | U |
| PCB-18 | 1.14 | 5.00 | | J | PCB-58 | ND | 5.00 | 0.689 | U |
| PCB-19 | ND | 5.00 | 0.595 | U | PCB-61/70 | ND | 10.0 | 0.753 | U |
| PCB-20/21/33 | ND | 15.0 | 0.511 | U | PCB-62 | ND | 5.00 | 0.862 | U |
| PCB-22 | ND | 5.00 | 0.468 | U | PCB-63 | ND | 5.00 | 0.774 | U |
| PCB-23 | ND | 5.00 | 0.536 | U | PCB-65 | ND | 5.00 | 0.743 | U |
| PCB-24/27 | ND | 10.0 | 0.423 | U | PCB-66/76 | ND | 10.0 | 0.683 | U |
| PCB-25 | ND | 5.00 | 0.481 | U | PCB-67 | ND | 5.00 | 0.702 | U |
| PCB-26 | ND | 5.00 | 0.507 | U | PCB-68 | ND | 5.00 | 0.959 | UM |
| PCB-28 | ND | 5.00 | 0.706 | UM | PCB-73 | ND | 5.00 | 0.681 | U |
| PCB-29 | ND | 5.00 | 0.528 | U | PCB-74 | ND | 5.00 | 0.654 | U |
| PCB-30 | ND | 5.00 | 0.370 | U | PCB-77 | ND | 5.00 | 0.735 | U |
| PCB-31 | ND | 5.00 | 0.463 | U | PCB-78 | ND | 5.00 | 0.677 | U |
| PCB-34 | ND | 5.00 | 0.529 | U | PCB-79 | ND | 5.00 | 0.663 | U |
| PCB-35 | ND | 5.00 | 0.486 | U | PCB-80 | ND | 5.00 | 0.650 | U |
| PCB-36 | ND | 5.00 | 0.475 | U | PCB-81 | ND | 5.00 | 0.771 | U |
| PCB-37 | ND | 5.00 | 0.491 | U | PCB-82 | ND | 5.00 | 0.824 | U |
| PCB-38 | ND | 5.00 | 0.496 | U | PCB-83 | ND | 5.00 | 0.488 | U |
| PCB-39 | ND | 5.00 | 0.511 | U | PCB-84/92 | ND | 10.0 | 0.769 | U |
| PCB-40 | ND | 5.00 | 1.51 | U | PCB-85/116 | ND | 10.0 | 0.663 | U |
| PCB-41/64/71/72 | ND | 20.0 | 0.810 | U | PCB-86 | ND | 5.00 | 0.791 | U |
| PCB-42/59 | ND | 10.0 | 0.926 | U | PCB-87/117/125 | ND | 15.0 | 0.551 | U |
| PCB-43/49 | ND | 10.0 | 0.979 | U | PCB-88/91 | ND | 5.00 | 0.742 | U |

RL - Reporting limit  DL - Sample specifc estimated detection limit  LCL-UCL- Lower control limit - upper control limit

See individual congeners for qualifiers.

## Sample ID: Method Blank — EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 20:49 Column: ZB-1 |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers | Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|
| PCB-89 | ND | 5.00 | 0.702 | U | PCB-137 | ND | 5.00 | 0.559 | U |
| PCB-90/101 | ND | 10.0 | 0.694 | U | PCB-138/163/164 | ND | 15.0 | 0.836 | UM |
| PCB-93 | ND | 5.00 | 0.781 | U | PCB-139/149 | ND | 10.0 | 0.601 | U |
| PCB-94 | ND | 5.00 | 0.791 | U | PCB-140 | ND | 5.00 | 0.687 | U |
| PCB-95/98/102 | ND | 15.0 | 0.617 | U | PCB-141 | ND | 5.00 | 0.606 | U |
| PCB-96 | ND | 5.00 | 0.545 | U | PCB-142 | ND | 5.00 | 0.743 | U |
| PCB-97 | ND | 5.00 | 0.729 | U | PCB-144 | ND | 5.00 | 0.690 | U |
| PCB-99 | ND | 5.00 | 0.596 | U | PCB-145 | ND | 5.00 | 0.468 | U |
| PCB-100 | ND | 5.00 | 0.666 | U | PCB-146/165 | ND | 10.0 | 0.533 | U |
| PCB-103 | ND | 5.00 | 0.679 | U | PCB-147 | ND | 5.00 | 0.657 | U |
| PCB-104 | ND | 5.00 | 0.572 | U | PCB-148 | ND | 5.00 | 0.684 | U |
| PCB-105 | ND | 5.00 | 0.759 | U | PCB-150 | ND | 5.00 | 0.516 | U |
| PCB-106/118 | ND | 10.0 | 0.566 | U | PCB-151 | ND | 5.00 | 0.703 | U |
| PCB-107/109 | ND | 10.0 | 0.506 | U | PCB-152 | ND | 5.00 | 0.457 | U |
| PCB-108/112 | ND | 10.0 | 0.610 | U | PCB-153 | ND | 5.00 | 0.505 | U |
| PCB-110 | ND | 5.00 | 0.573 | UM | PCB-154 | ND | 5.00 | 0.604 | U |
| PCB-111/115 | ND | 10.0 | 0.477 | U | PCB-155 | ND | 5.00 | 0.535 | U |
| PCB-113 | ND | 5.00 | 0.506 | U | PCB-156 | ND | 5.00 | 0.448 | U |
| PCB-114 | ND | 5.00 | 0.787 | U | PCB-157 | ND | 5.00 | 0.476 | U |
| PCB-119 | ND | 5.00 | 0.503 | U | PCB-158/160 | ND | 10.0 | 0.517 | U |
| PCB-120 | ND | 5.00 | 0.432 | U | PCB-159 | ND | 5.00 | 0.435 | U |
| PCB-121 | ND | 5.00 | 0.430 | U | PCB-166 | ND | 5.00 | 0.447 | U |
| PCB-122 | ND | 5.00 | 0.851 | U | PCB-167 | ND | 5.00 | 0.467 | U |
| PCB-123 | ND | 5.00 | 0.594 | U | PCB-168 | ND | 5.00 | 0.487 | U |
| PCB-124 | ND | 5.00 | 0.513 | U | PCB-169 | ND | 5.00 | 0.402 | U |
| PCB-126 | ND | 5.00 | 0.691 | U | PCB-170 | ND | 5.00 | 0.544 | U |
| PCB-127 | ND | 5.00 | 0.695 | U | PCB-171 | ND | 5.00 | 0.549 | U |
| PCB-128/162 | ND | 10.0 | 0.565 | U | PCB-172 | ND | 5.00 | 0.543 | U |
| PCB-129 | ND | 5.00 | 0.781 | U | PCB-173 | ND | 5.00 | 0.593 | U |
| PCB-130 | ND | 5.00 | 0.766 | U | PCB-174 | ND | 5.00 | 0.532 | U |
| PCB-131/133 | ND | 10.0 | 0.666 | U | PCB-175 | ND | 5.00 | 0.612 | U |
| PCB-132/161 | ND | 10.0 | 0.541 | U | PCB-176 | ND | 5.00 | 0.467 | U |
| PCB-134/143 | ND | 10.0 | 0.714 | U | PCB-177 | ND | 5.00 | 0.567 | U |
| PCB-135 | ND | 5.00 | 0.615 | U | PCB-178 | ND | 5.00 | 0.631 | U |
| PCB-136 | ND | 5.00 | 0.517 | U | PCB-179 | ND | 5.00 | 0.441 | U |

RL - Reporting limit

DL - Sample specifc estimated detection limit

LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: Method Blank — EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 20:49 Column: ZB-1 |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | ND | 5.00 | 0.496 | U |
| PCB-181 | ND | 5.00 | 0.510 | U |
| PCB-182/187 | ND | 10.0 | 0.535 | U |
| PCB-183 | ND | 5.00 | 0.542 | U |
| PCB-184 | ND | 5.00 | 0.464 | U |
| PCB-185 | ND | 5.00 | 0.555 | U |
| PCB-186 | ND | 5.00 | 0.430 | U |
| PCB-188 | ND | 5.00 | 0.445 | U |
| PCB-189 | ND | 5.00 | 0.351 | U |
| PCB-190 | ND | 5.00 | 0.400 | U |
| PCB-191 | ND | 5.00 | 0.433 | U |
| PCB-192 | ND | 5.00 | 0.417 | U |
| PCB-193 | ND | 5.00 | 0.440 | U |
| PCB-194 | 0.788 | 5.00 | | J |
| PCB-195 | ND | 5.00 | 0.460 | U |
| PCB-196/203 | ND | 10.0 | 0.846 | U |
| PCB-197 | ND | 5.00 | 0.648 | U |
| PCB-198 | ND | 5.00 | 0.848 | U |
| PCB-199 | ND | 5.00 | 0.891 | U |
| PCB-200 | ND | 5.00 | 0.683 | U |
| PCB-201 | ND | 5.00 | 0.728 | U |
| PCB-202 | ND | 5.00 | 0.674 | U |
| PCB-204 | ND | 5.00 | 0.665 | U |
| PCB-205 | ND | 5.00 | 0.358 | U |
| PCB-206 | ND | 5.00 | 0.402 | U |
| PCB-207 | ND | 5.00 | 0.329 | U |
| PCB-208 | ND | 5.00 | 0.326 | U |
| PCB-209 | ND | 5.00 | 0.419 | U |
| Total monoCB | ND | | 0.826 | U |
| Total diCB | 8.40 | | | |
| Total triCB | 2.09 | | | |
| Total tetraCB | ND | | 6.97 | UM |
| Total pentaCB | ND | | 0.573 | UM |
| Total hexaCB | ND | | 0.836 | UM |
| Total heptaCB | ND | | 0.631 | U |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | 0.788 | | | |
| Total nonaCB | ND | | 0.402 | U |
| DecaCB | ND | | 0.419 | U |
| Total PCB | 11.3 | | | |

RL - Reporting limit

DL - Sample specifc estimated detection limit

LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: Method Blank — EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 20:49 Column: ZB-1 |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 51.0 | 5 - 145 | |
| | 13C-PCB-3 | 49.1 | 5 - 145 | |
| | 13C-PCB-4 | 65.3 | 5 - 145 | |
| | 13C-PCB-11 | 76.7 | 5 - 145 | |
| | 13C-PCB-9 | 71.2 | 5 - 145 | |
| | 13C-PCB-19 | 77.4 | 5 - 145 | |
| | 13C-PCB-28 | 71.7 | 5 - 145 | |
| | 13C-PCB-32 | 84.0 | 5 - 145 | |
| | 13C-PCB-37 | 78.3 | 5 - 145 | |
| | 13C-PCB-47 | 78.5 | 5 - 145 | |
| | 13C-PCB-52 | 80.6 | 5 - 145 | |
| | 13C-PCB-54 | 74.7 | 5 - 145 | |
| | 13C-PCB-70 | 82.7 | 5 - 145 | |
| | 13C-PCB-77 | 86.1 | 10 - 145 | |
| | 13C-PCB-80 | 80.9 | 10 - 145 | |
| | 13C-PCB-81 | 84.8 | 10 - 145 | |
| | 13C-PCB-95 | 85.6 | 10 - 145 | |
| | 13C-PCB-97 | 87.4 | 10 - 145 | |
| | 13C-PCB-101 | 85.6 | 10 - 145 | |
| | 13C-PCB-104 | 79.1 | 10 - 145 | |
| | 13C-PCB-105 | 81.6 | 10 - 145 | |
| | 13C-PCB-114 | 76.5 | 10 - 145 | |
| | 13C-PCB-118 | 80.8 | 10 - 145 | |
| | 13C-PCB-123 | 79.9 | 10 - 145 | |
| | 13C-PCB-126 | 84.2 | 10 - 145 | |
| | 13C-PCB-127 | 81.0 | 10 - 145 | |
| | 13C-PCB-138 | 84.9 | 10 - 145 | |
| | 13C-PCB-141 | 84.6 | 10 - 145 | |
| | 13C-PCB-153 | 77.8 | 10 - 145 | |
| | 13C-PCB-155 | 94.1 | 10 - 145 | |
| | 13C-PCB-156 | 89.4 | 10 - 145 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| | 13C-PCB-157 | 89.5 | 10 - 145 | |
| | 13C-PCB-159 | 85.5 | 10 - 145 | |
| | 13C-PCB-167 | 86.6 | 10 - 145 | |
| | 13C-PCB-169 | 90.2 | 10 - 145 | |
| | 13C-PCB-170 | 91.2 | 10 - 145 | |
| | 13C-PCB-180 | 89.6 | 10 - 145 | |
| | 13C-PCB-188 | 76.7 | 10 - 145 | |
| | 13C-PCB-189 | 93.2 | 10 - 145 | |
| | 13C-PCB-194 | 85.1 | 10 - 145 | |
| | 13C-PCB-202 | 99.6 | 10 - 145 | |
| | 13C-PCB-206 | 98.0 | 10 - 145 | |
| | 13C-PCB-208 | 86.4 | 10 - 145 | |
| | 13C-PCB-209 | 113 | 10 - 145 | |
| CRS | 13C-PCB-79 | 102 | 10 - 145 | |
| | 13C-PCB-178 | 108 | 10 - 145 | |

RL - Reporting limit

DL - Sample specifc estimated detection limit

LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OPR

## EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BS1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 18:38 Column: ZB-1 |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits |
|---|---|---|---|---|
| PCB-1 | 1050 | 1000 | 105 | 60 - 135 |
| PCB-2 | 1090 | 1000 | 109 | 60 - 135 |
| PCB-3 | 1080 | 1000 | 108 | 60 - 135 |
| PCB-4/10 | 1910 | 2000 | 95.7 | 60 - 135 |
| PCB-5/8 | 2020 | 2000 | 101 | 60 - 135 |
| PCB-6 | 958 | 1000 | 95.8 | 60 - 135 |
| PCB-7/9 | 1860 | 2000 | 92.8 | 60 - 135 |
| PCB-11 | 926 | 1000 | 92.6 | 60 - 135 |
| PCB-12/13 | 1850 | 2000 | 92.4 | 60 - 135 |
| PCB-14 | 866 | 1000 | 86.6 | 60 - 135 |
| PCB-15 | 995 | 1000 | 99.5 | 60 - 135 |
| PCB-16/32 | 1800 | 2000 | 89.9 | 60 - 135 |
| PCB-17 | 885 | 1000 | 88.5 | 60 - 135 |
| PCB-18 | 859 | 1000 | 85.9 | 60 - 135 |
| PCB-19 | 916 | 1000 | 91.6 | 60 - 135 |
| PCB-20/21/33 | 2980 | 3000 | 99.5 | 60 - 135 |
| PCB-22 | 1030 | 1000 | 103 | 60 - 135 |
| PCB-23 | 968 | 1000 | 96.8 | 60 - 135 |
| PCB-24/27 | 1820 | 2000 | 90.8 | 60 - 135 |
| PCB-25 | 982 | 1000 | 98.2 | 60 - 135 |
| PCB-26 | 971 | 1000 | 97.1 | 60 - 135 |
| PCB-28 | 913 | 1000 | 91.3 | 60 - 135 |
| PCB-29 | 952 | 1000 | 95.2 | 60 - 135 |
| PCB-30 | 949 | 1000 | 94.9 | 60 - 135 |
| PCB-31 | 1000 | 1000 | 100 | 60 - 135 |
| PCB-34 | 945 | 1000 | 94.5 | 60 - 135 |
| PCB-35 | 939 | 1000 | 93.9 | 60 - 135 |
| PCB-36 | 892 | 1000 | 89.2 | 60 - 135 |
| PCB-37 | 924 | 1000 | 92.4 | 60 - 135 |
| PCB-38 | 918 | 1000 | 91.8 | 60 - 135 |
| PCB-39 | 897 | 1000 | 89.7 | 60 - 135 |
| PCB-40 | 1080 | 1000 | 108 | 60 - 135 |
| PCB-41/64/71/72 | 4010 | 4000 | 100 | 60 - 135 |
| PCB-42/59 | 2040 | 2000 | 102 | 60 - 135 |
| PCB-43/49 | 1930 | 2000 | 96.5 | 60 - 135 |
| PCB-44 | 1050 | 1000 | 105 | 60 - 135 |
| PCB-45 | 954 | 1000 | 95.4 | 60 - 135 |
| PCB-46 | 964 | 1000 | 96.4 | 60 - 135 |
| PCB-47 | 968 | 1000 | 96.8 | 60 - 135 |
| PCB-48/75 | 1950 | 2000 | 97.7 | 60 - 135 |

| | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|
| IS | 13C-PCB-1 | 29.6 | 15 - 145 |
| IS | 13C-PCB-3 | 29.3 | 15 - 145 |
| IS | 13C-PCB-4 | 39.5 | 15 - 145 |
| IS | 13C-PCB-9 | 43.2 | 15 - 145 |
| IS | 13C-PCB-11 | 51.8 | 15 - 145 |
| IS | 13C-PCB-19 | 49.7 | 15 - 145 |
| IS | 13C-PCB-28 | 52.8 | 15 - 145 |
| IS | 13C-PCB-32 | 57.1 | 15 - 145 |
| IS | 13C-PCB-37 | 58.7 | 15 - 145 |
| IS | 13C-PCB-47 | 58.7 | 15 - 145 |
| IS | 13C-PCB-52 | 60.5 | 15 - 145 |
| IS | 13C-PCB-54 | 53.2 | 15 - 145 |
| IS | 13C-PCB-70 | 62.0 | 15 - 145 |
| IS | 13C-PCB-77 | 60.7 | 40 - 145 |
| IS | 13C-PCB-80 | 59.2 | 40 - 145 |
| IS | 13C-PCB-81 | 59.0 | 40 - 145 |
| IS | 13C-PCB-95 | 67.2 | 40 - 145 |
| IS | 13C-PCB-97 | 63.4 | 40 - 145 |
| IS | 13C-PCB-101 | 63.2 | 40 - 145 |
| IS | 13C-PCB-104 | 61.4 | 40 - 145 |
| IS | 13C-PCB-105 | 60.6 | 40 - 145 |
| IS | 13C-PCB-114 | 57.5 | 40 - 145 |
| IS | 13C-PCB-118 | 64.4 | 40 - 145 |
| IS | 13C-PCB-123 | 65.6 | 40 - 145 |
| IS | 13C-PCB-126 | 61.7 | 40 - 145 |
| IS | 13C-PCB-127 | 59.9 | 40 - 145 |
| IS | 13C-PCB-138 | 62.8 | 40 - 145 |
| IS | 13C-PCB-141 | 60.0 | 40 - 145 |
| IS | 13C-PCB-153 | 56.9 | 40 - 145 |
| IS | 13C-PCB-155 | 69.9 | 40 - 145 |
| IS | 13C-PCB-156 | 65.7 | 40 - 145 |
| IS | 13C-PCB-157 | 65.4 | 40 - 145 |
| IS | 13C-PCB-159 | 62.8 | 40 - 145 |
| IS | 13C-PCB-167 | 62.6 | 40 - 145 |
| IS | 13C-PCB-169 | 66.0 | 40 - 145 |
| IS | 13C-PCB-170 | 69.2 | 40 - 145 |
| IS | 13C-PCB-180 | 64.2 | 40 - 145 |
| IS | 13C-PCB-188 | 55.2 | 40 - 145 |
| IS | 13C-PCB-189 | 67.0 | 40 - 145 |
| IS | 13C-PCB-194 | 66.0 | 40 - 145 |

## Sample ID: OPR

## EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BS1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 18:38 Column: ZB-1 |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits |
|---|---|---|---|---|
| PCB-50 | 1020 | 1000 | 102 | 60 - 135 |
| PCB-51 | 935 | 1000 | 93.5 | 60 - 135 |
| PCB-52/69 | 1790 | 2000 | 89.3 | 60 - 135 |
| PCB-53 | 912 | 1000 | 91.2 | 60 - 135 |
| PCB-54 | 970 | 1000 | 97.0 | 60 - 135 |
| PCB-55 | 1050 | 1000 | 105 | 60 - 135 |
| PCB-56/60 | 2010 | 2000 | 100 | 60 - 135 |
| PCB-57 | 911 | 1000 | 91.1 | 60 - 135 |
| PCB-58 | 964 | 1000 | 96.4 | 60 - 135 |
| PCB-61/70 | 1900 | 2000 | 95.2 | 60 - 135 |
| PCB-62 | 955 | 1000 | 95.5 | 60 - 135 |
| PCB-63 | 957 | 1000 | 95.7 | 60 - 135 |
| PCB-65 | 1030 | 1000 | 103 | 60 - 135 |
| PCB-66/76 | 1910 | 2000 | 95.5 | 60 - 135 |
| PCB-67 | 922 | 1000 | 92.2 | 60 - 135 |
| PCB-68 | 936 | 1000 | 93.6 | 60 - 135 |
| PCB-73 | 1010 | 1000 | 101 | 60 - 135 |
| PCB-74 | 910 | 1000 | 91.0 | 60 - 135 |
| PCB-77 | 944 | 1000 | 94.4 | 60 - 135 |
| PCB-78 | 991 | 1000 | 99.1 | 60 - 135 |
| PCB-79 | 970 | 1000 | 97.0 | 60 - 135 |
| PCB-80 | 939 | 1000 | 93.9 | 60 - 135 |
| PCB-81 | 974 | 1000 | 97.4 | 60 - 135 |
| PCB-82 | 895 | 1000 | 89.5 | 60 - 135 |
| PCB-83 | 877 | 1000 | 87.7 | 60 - 135 |
| PCB-84/92 | 1850 | 2000 | 92.4 | 60 - 135 |
| PCB-85/116 | 1800 | 2000 | 90.0 | 60 - 135 |
| PCB-86 | 927 | 1000 | 92.7 | 60 - 135 |
| PCB-87/117/125 | 2500 | 3000 | 83.3 | 60 - 135 |
| PCB-88/91 | 1750 | 2000 | 87.5 | 60 - 135 |
| PCB-89 | 929 | 1000 | 92.9 | 60 - 135 |
| PCB-90/101 | 1750 | 2000 | 87.6 | 60 - 135 |
| PCB-93 | 771 | 1000 | 77.1 | 60 - 135 |
| PCB-94 | 852 | 1000 | 85.2 | 60 - 135 |
| PCB-95/98/102 | 2600 | 3000 | 86.6 | 60 - 135 |
| PCB-96 | 920 | 1000 | 92.0 | 60 - 135 |
| PCB-97 | 878 | 1000 | 87.8 | 60 - 135 |
| PCB-99 | 935 | 1000 | 93.5 | 60 - 135 |
| PCB-100 | 870 | 1000 | 87.0 | 60 - 135 |
| PCB-103 | 886 | 1000 | 88.6 | 60 - 135 |

| | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|
| IS | 13C-PCB-202 | 73.7 | 40 - 145 |
| IS | 13C-PCB-206 | 77.3 | 40 - 145 |
| IS | 13C-PCB-208 | 68.0 | 40 - 145 |
| IS | 13C-PCB-209 | 93.2 | 40 - 145 |
| CRS | 13C-PCB-79 | 70.3 | 40 - 145 |
| CRS | 13C-PCB-178 | 74.9 | 40 - 145 |

## Sample ID: OPR

## EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BS1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 18:38 Column: ZB-1 |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|---|---|---|---|
| PCB-104 | 864 | 1000 | 86.4 | 60 - 135 | | | |
| PCB-105 | 904 | 1000 | 90.4 | 60 - 135 | | | |
| PCB-106/118 | 1820 | 2000 | 91.0 | 60 - 135 | | | |
| PCB-107/109 | 1700 | 2000 | 84.9 | 60 - 135 | | | |
| PCB-108/112 | 1760 | 2000 | 88.0 | 60 - 135 | | | |
| PCB-110 | 900 | 1000 | 90.0 | 60 - 135 | | | |
| PCB-111/115 | 1630 | 2000 | 81.3 | 60 - 135 | | | |
| PCB-113 | 827 | 1000 | 82.7 | 60 - 135 | | | |
| PCB-114 | 880 | 1000 | 88.0 | 60 - 135 | | | |
| PCB-119 | 869 | 1000 | 86.9 | 60 - 135 | | | |
| PCB-120 | 787 | 1000 | 78.7 | 60 - 135 | | | |
| PCB-121 | 823 | 1000 | 82.3 | 60 - 135 | | | |
| PCB-122 | 951 | 1000 | 95.1 | 60 - 135 | | | |
| PCB-123 | 908 | 1000 | 90.8 | 60 - 135 | | | |
| PCB-124 | 883 | 1000 | 88.3 | 60 - 135 | | | |
| PCB-126 | 929 | 1000 | 92.9 | 60 - 135 | | | |
| PCB-127 | 895 | 1000 | 89.5 | 60 - 135 | | | |
| PCB-128/162 | 1930 | 2000 | 96.3 | 60 - 135 | | | |
| PCB-129 | 959 | 1000 | 95.9 | 60 - 135 | | | |
| PCB-130 | 1180 | 1000 | 118 | 60 - 135 | | | |
| PCB-131/133 | 2030 | 2000 | 101 | 60 - 135 | | | |
| PCB-132/161 | 2000 | 2000 | 100 | 60 - 135 | | | |
| PCB-134/143 | 2050 | 2000 | 102 | 60 - 135 | | | |
| PCB-135 | 987 | 1000 | 98.7 | 60 - 135 | | | |
| PCB-136 | 919 | 1000 | 91.9 | 60 - 135 | | | |
| PCB-137 | 886 | 1000 | 88.6 | 60 - 135 | | | |
| PCB-138/163/164 | 2840 | 3000 | 94.5 | 60 - 135 | | | |
| PCB-139/149 | 1960 | 2000 | 98.0 | 60 - 135 | | | |
| PCB-140 | 979 | 1000 | 97.9 | 60 - 135 | | | |
| PCB-141 | 985 | 1000 | 98.5 | 60 - 135 | | | |
| PCB-142 | 1030 | 1000 | 103 | 60 - 135 | | | |
| PCB-144 | 963 | 1000 | 96.3 | 60 - 135 | | | |
| PCB-145 | 917 | 1000 | 91.7 | 60 - 135 | | | |
| PCB-146/165 | 1960 | 2000 | 98.2 | 60 - 135 | | | |
| PCB-147 | 976 | 1000 | 97.6 | 60 - 135 | | | |
| PCB-148 | 909 | 1000 | 90.9 | 60 - 135 | | | |
| PCB-150 | 936 | 1000 | 93.6 | 60 - 135 | | | |
| PCB-151 | 989 | 1000 | 98.9 | 60 - 135 | | | |
| PCB-152 | 953 | 1000 | 95.3 | 60 - 135 | | | |
| PCB-153 | 989 | 1000 | 98.9 | 60 - 135 | | | |

## Sample ID: OPR

## EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BS1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 18:38 Column: ZB-1 |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|---|---|---|---|
| PCB-154 | 902 | 1000 | 90.2 | 60 - 135 | | | |
| PCB-155 | 871 | 1000 | 87.1 | 60 - 135 | | | |
| PCB-156 | 930 | 1000 | 93.0 | 60 - 135 | | | |
| PCB-157 | 950 | 1000 | 95.0 | 60 - 135 | | | |
| PCB-158/160 | 1910 | 2000 | 95.7 | 60 - 135 | | | |
| PCB-159 | 965 | 1000 | 96.5 | 60 - 135 | | | |
| PCB-166 | 950 | 1000 | 95.0 | 60 - 135 | | | |
| PCB-167 | 954 | 1000 | 95.4 | 60 - 135 | | | |
| PCB-168 | 951 | 1000 | 95.1 | 60 - 135 | | | |
| PCB-169 | 947 | 1000 | 94.7 | 60 - 135 | | | |
| PCB-170 | 958 | 1000 | 95.8 | 60 - 135 | | | |
| PCB-171 | 937 | 1000 | 93.7 | 60 - 135 | | | |
| PCB-172 | 967 | 1000 | 96.7 | 60 - 135 | | | |
| PCB-173 | 962 | 1000 | 96.2 | 60 - 135 | | | |
| PCB-174 | 903 | 1000 | 90.3 | 60 - 135 | | | |
| PCB-175 | 1050 | 1000 | 105 | 60 - 135 | | | |
| PCB-176 | 1020 | 1000 | 102 | 60 - 135 | | | |
| PCB-177 | 958 | 1000 | 95.8 | 60 - 135 | | | |
| PCB-178 | 1050 | 1000 | 105 | 60 - 135 | | | |
| PCB-179 | 1020 | 1000 | 102 | 60 - 135 | | | |
| PCB-180 | 947 | 1000 | 94.7 | 60 - 135 | | | |
| PCB-181 | 980 | 1000 | 98.0 | 60 - 135 | | | |
| PCB-182/187 | 2080 | 2000 | 104 | 60 - 135 | | | |
| PCB-183 | 1020 | 1000 | 102 | 60 - 135 | | | |
| PCB-184 | 951 | 1000 | 95.1 | 60 - 135 | | | |
| PCB-185 | 944 | 1000 | 94.4 | 60 - 135 | | | |
| PCB-186 | 1050 | 1000 | 105 | 60 - 135 | | | |
| PCB-188 | 917 | 1000 | 91.7 | 60 - 135 | | | |
| PCB-189 | 926 | 1000 | 92.6 | 60 - 135 | | | |
| PCB-190 | 951 | 1000 | 95.1 | 60 - 135 | | | |
| PCB-191 | 974 | 1000 | 97.4 | 60 - 135 | | | |
| PCB-192 | 966 | 1000 | 96.6 | 60 - 135 | | | |
| PCB-193 | 950 | 1000 | 95.0 | 60 - 135 | | | |
| PCB-194 | 909 | 1000 | 90.9 | 60 - 135 | | | |
| PCB-195 | 896 | 1000 | 89.6 | 60 - 135 | | | |
| PCB-196/203 | 1940 | 2000 | 97.2 | 60 - 135 | | | |
| PCB-197 | 907 | 1000 | 90.7 | 60 - 135 | | | |
| PCB-198 | 953 | 1000 | 95.3 | 60 - 135 | | | |
| PCB-199 | 1000 | 1000 | 100 | 60 - 135 | | | |
| PCB-200 | 935 | 1000 | 93.5 | 60 - 135 | | | |

## Sample ID: OPR

## EPA Method 1668C

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B8D0041 | Lab Sample: | B8D0041-BS1 |
| Sample Size: | 1.00 L | Date Extracted: | 06-Apr-2018 8:02 | Date Analyzed: | 09-Apr-18 18:38 Column: ZB-1 |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|---|---|---|---|
| PCB-201 | 922 | 1000 | 92.2 | 60 - 135 | | | |
| PCB-202 | 933 | 1000 | 93.3 | 60 - 135 | | | |
| PCB-204 | 933 | 1000 | 93.3 | 60 - 135 | | | |
| PCB-205 | 934 | 1000 | 93.4 | 60 - 135 | | | |
| PCB-206 | 970 | 1000 | 97.0 | 60 - 135 | | | |
| PCB-207 | 988 | 1000 | 98.8 | 60 - 135 | | | |
| PCB-208 | 963 | 1000 | 96.3 | 60 - 135 | | | |
| PCB-209 | 917 | 1000 | 91.7 | 60 - 135 | | | |

LCL-UCL - Lower control limit - upper control limit

## Sample ID: OWS-BAFA-T171026131438 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:18

**Sample Data**
Matrix: Water
Sample Size: 0.981 L

**Laboratory Data**
Lab Sample: 1701560-01 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 00:04 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-1 | 1.39 | 5.10 | | J |
| PCB-2 | ND | 5.10 | 1.37 | U |
| PCB-3 | ND | 5.10 | 1.37 | U |
| PCB-4/10 | ND | 12.6 | 12.6 | U |
| PCB-5/8 | ND | 10.2 | 5.50 | U |
| PCB-6 | ND | 5.10 | 1.70 | U |
| PCB-7/9 | ND | 10.2 | 1.81 | U |
| PCB-11 | ND | 8.56 | 8.56 | U |
| PCB-12/13 | ND | 10.2 | 1.65 | U |
| PCB-14 | ND | 5.10 | 1.62 | U |
| PCB-15 | ND | 8.08 | 8.08 | UM |
| PCB-16/32 | 30.2 | 10.2 | | B |
| PCB-17 | 8.09 | 5.10 | | |
| PCB-18 | 19.4 | 5.10 | | B |
| PCB-19 | 15.6 | 5.10 | | |
| PCB-20/21/33 | 4.11 | 15.3 | | J |
| PCB-22 | 2.78 | 5.10 | | J |
| PCB-23 | ND | 5.10 | 0.601 | U |
| PCB-24/27 | 9.26 | 10.2 | | J |
| PCB-25 | 1.02 | 5.10 | | J |
| PCB-26 | 3.18 | 5.10 | | J |
| PCB-28 | 19.7 | 5.10 | | |
| PCB-29 | ND | 5.10 | 0.593 | U |
| PCB-30 | ND | 5.10 | 0.496 | U |
| PCB-31 | 7.19 | 5.10 | | |
| PCB-34 | ND | 5.10 | 0.594 | U |
| PCB-35 | ND | 5.10 | 0.632 | UM |
| PCB-36 | ND | 5.10 | 0.496 | U |
| PCB-37 | 12.5 | 5.10 | | |
| PCB-38 | 0.646 | 5.10 | | J |
| PCB-39 | ND | 5.10 | 0.532 | U |
| PCB-40 | 11.0 | 5.10 | | |
| PCB-41/64/71/72 | 39.7 | 20.4 | | |
| PCB-42/59 | 17.4 | 10.2 | | |
| PCB-43/49 | 27.2 | 10.2 | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-44 | 41.3 | 5.10 | | |
| PCB-45 | 11.6 | 5.10 | | |
| PCB-46 | 5.02 | 5.10 | | J |
| PCB-47 | 13.9 | 5.10 | | |
| PCB-48/75 | 7.67 | 10.2 | | J |
| PCB-50 | ND | 5.10 | 0.820 | U |
| PCB-51 | 3.04 | 5.10 | | J |
| PCB-52/69 | 33.6 | 10.2 | | |
| PCB-53 | 9.83 | 5.10 | | |
| PCB-54 | ND | 5.10 | 0.667 | U |
| PCB-55 | ND | 5.10 | 0.513 | U |
| PCB-56/60 | 17.6 | 10.2 | | |
| PCB-57 | ND | 5.10 | 0.533 | U |
| PCB-58 | ND | 5.10 | 0.536 | U |
| PCB-61/70 | 21.3 | 10.2 | | |
| PCB-62 | ND | 5.10 | 0.671 | U |
| PCB-63 | ND | 5.10 | 1.68 | UM |
| PCB-65 | ND | 5.10 | 0.578 | U |
| PCB-66/76 | 24.4 | 10.2 | | |
| PCB-67 | 1.73 | 5.10 | | J |
| PCB-68 | ND | 5.10 | 0.928 | UM |
| PCB-73 | ND | 5.10 | 0.568 | U |
| PCB-74 | 13.7 | 5.10 | | |
| PCB-77 | 4.49 | 5.10 | | J |
| PCB-78 | ND | 5.10 | 0.541 | U |
| PCB-79 | ND | 5.10 | 0.509 | U |
| PCB-80 | ND | 5.10 | 0.499 | U |
| PCB-81 | ND | 5.10 | 0.616 | U |
| PCB-82 | 3.43 | 5.10 | | J |
| PCB-83 | ND | 5.10 | 0.456 | U |
| PCB-84/92 | 8.73 | 10.2 | | J |
| PCB-85/116 | 3.93 | 10.2 | | J |
| PCB-86 | ND | 5.10 | 0.739 | U |
| PCB-87/117/125 | 7.04 | 15.3 | | J |
| PCB-88/91 | 3.58 | 5.10 | | J |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-BAFA-T171026131438 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:18

**Sample Data**
Matrix: Water
Sample Size: 0.981 L

**Laboratory Data**
Lab Sample: 1701560-01 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 00:04 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-89 | ND | 5.10 | 0.657 | U |
| PCB-90/101 | 15.4 | 10.2 | | |
| PCB-93 | ND | 5.10 | 0.829 | U |
| PCB-94 | ND | 5.10 | 0.840 | U |
| PCB-95/98/102 | 15.2 | 15.3 | | J |
| PCB-96 | ND | 5.10 | 0.562 | U |
| PCB-97 | 5.99 | 5.10 | | |
| PCB-99 | 5.92 | 5.10 | | |
| PCB-100 | ND | 5.10 | 0.687 | U |
| PCB-103 | ND | 5.10 | 0.700 | U |
| PCB-104 | ND | 5.10 | 0.588 | U |
| PCB-105 | 7.09 | 5.10 | | |
| PCB-106/118 | 12.0 | 10.2 | | |
| PCB-107/109 | 1.39 | 10.2 | | J |
| PCB-108/112 | ND | 10.2 | 1.33 | UM |
| PCB-110 | 16.7 | 5.10 | | |
| PCB-111/115 | 0.603 | 10.2 | | J |
| PCB-113 | ND | 5.10 | 0.474 | U |
| PCB-114 | 0.928 | 5.10 | | J |
| PCB-119 | 0.699 | 5.10 | | J |
| PCB-120 | ND | 5.10 | 0.402 | U |
| PCB-121 | ND | 5.10 | 0.457 | U |
| PCB-122 | 0.640 | 5.10 | | J |
| PCB-123 | ND | 5.10 | 0.532 | U |
| PCB-124 | 0.757 | 5.10 | | J |
| PCB-126 | 0.960 | 5.10 | | J |
| PCB-127 | ND | 5.10 | 0.552 | U |
| PCB-128/162 | 2.20 | 10.2 | | J |
| PCB-129 | 1.44 | 5.10 | | J |
| PCB-130 | 0.668 | 5.10 | | J |
| PCB-131/133 | ND | 10.2 | 0.822 | U |
| PCB-132/161 | 2.88 | 10.2 | | J |
| PCB-134/143 | 1.39 | 10.2 | | J |
| PCB-135 | 1.07 | 5.10 | | J |
| PCB-136 | 1.39 | 5.10 | | J |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-137 | ND | 5.10 | 0.553 | UM |
| PCB-138/163/164 | 8.82 | 15.3 | | J |
| PCB-139/149 | 6.71 | 10.2 | | J |
| PCB-140 | ND | 5.10 | 0.734 | U |
| PCB-141 | ND | 5.10 | 1.56 | UM |
| PCB-142 | ND | 5.10 | 0.915 | U |
| PCB-144 | ND | 5.10 | 0.738 | U |
| PCB-145 | ND | 5.10 | 0.501 | U |
| PCB-146/165 | ND | 10.2 | 1.42 | UM |
| PCB-147 | ND | 5.10 | 0.702 | U |
| PCB-148 | ND | 5.10 | 0.731 | U |
| PCB-150 | ND | 5.10 | 0.551 | U |
| PCB-151 | 1.55 | 5.10 | | J |
| PCB-152 | ND | 5.10 | 0.488 | U |
| PCB-153 | 6.36 | 5.10 | | |
| PCB-154 | ND | 5.10 | 0.645 | U |
| PCB-155 | ND | 5.10 | 0.574 | U |
| PCB-156 | 1.49 | 5.10 | | J |
| PCB-157 | ND | 5.10 | 0.862 | UM |
| PCB-158/160 | 1.79 | 10.2 | | J |
| PCB-159 | ND | 5.10 | 0.521 | U |
| PCB-166 | ND | 5.10 | 0.534 | U |
| PCB-167 | ND | 5.10 | 0.766 | UM |
| PCB-168 | ND | 5.10 | 0.600 | U |
| PCB-169 | ND | 5.10 | 0.571 | UM |
| PCB-170 | ND | 5.10 | 1.64 | UM |
| PCB-171 | ND | 5.10 | 0.670 | UM |
| PCB-172 | ND | 5.10 | 0.492 | U |
| PCB-173 | ND | 5.10 | 0.477 | U |
| PCB-174 | 1.32 | 5.10 | | J |
| PCB-175 | ND | 5.10 | 0.449 | U |
| PCB-176 | ND | 5.10 | 0.325 | U |
| PCB-177 | 1.04 | 5.10 | | J |
| PCB-178 | ND | 5.10 | 0.831 | U |
| PCB-179 | 0.555 | 5.10 | | J |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-BAFA-T171026131438 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:18

**Sample Data**
Matrix: Water
Sample Size: 0.981 L

**Laboratory Data**
Lab Sample: 1701560-01 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 00:04 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | 2.91 | 5.10 | | J |
| PCB-181 | ND | 5.10 | 0.410 | U |
| PCB-182/187 | 1.85 | 10.2 | | J |
| PCB-183 | ND | 5.10 | 0.694 | UM |
| PCB-184 | ND | 5.10 | 0.150 | U |
| PCB-185 | ND | 5.10 | 0.339 | U |
| PCB-186 | ND | 5.10 | 0.316 | U |
| PCB-188 | ND | 5.10 | 0.202 | U |
| PCB-189 | ND | 5.10 | 0.282 | U |
| PCB-190 | ND | 5.10 | 0.314 | U |
| PCB-191 | ND | 5.10 | 0.375 | U |
| PCB-192 | ND | 5.10 | 0.336 | U |
| PCB-193 | ND | 5.10 | 0.384 | U |
| PCB-194 | 1.31 | 5.10 | | J, B |
| PCB-195 | ND | 5.10 | 0.640 | UM |
| PCB-196/203 | 1.46 | 10.2 | | J |
| PCB-197 | ND | 5.10 | 0.502 | U |
| PCB-198 | ND | 5.10 | 0.659 | U |
| PCB-199 | ND | 5.10 | 0.861 | UM |
| PCB-200 | ND | 5.10 | 0.529 | U |
| PCB-201 | ND | 5.10 | 0.564 | U |
| PCB-202 | ND | 5.10 | 0.520 | U |
| PCB-204 | ND | 5.10 | 0.515 | U |
| PCB-205 | ND | 5.10 | 0.651 | UM |
| PCB-206 | 1.14 | 5.10 | | J |
| PCB-207 | ND | 5.10 | 0.225 | U |
| PCB-208 | 0.557 | 5.10 | | J |
| PCB-209 | 0.571 | 5.10 | | J |
| Total monoCB | 1.39 | | | |
| Total diCB | ND | | 8.08 | UM |
| Total triCB | 134 | | | |
| Total tetraCB | 304 | | | |
| Total pentaCB | 111 | | | |
| Total hexaCB | 37.7 | | | |
| Total heptaCB | 7.68 | | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | 2.77 | | | |
| Total nonaCB | 1.69 | | | |
| DecaCB | 0.571 | | | |
| Total PCB | 601 | | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-BAFA-T171026131438 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:18

**Sample Data**
Matrix: Water
Sample Size: 0.981 L

**Laboratory Data**
Lab Sample: 1701560-01 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 00:04 Column: ZB-1

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 35.7 | 5 -145 | |
| | 13C-PCB-3 | 37.4 | 5 -145 | |
| | 13C-PCB-4 | 54.0 | 5 -145 | |
| | 13C-PCB-11 | 73.1 | 5 -145 | |
| | 13C-PCB-9 | 61.6 | 5 -145 | |
| | 13C-PCB-19 | 66.8 | 5 -145 | |
| | 13C-PCB-28 | 83.7 | 5 -145 | |
| | 13C-PCB-32 | 75.9 | 5 -145 | |
| | 13C-PCB-37 | 89.0 | 5 -145 | |
| | 13C-PCB-47 | 83.8 | 5 -145 | |
| | 13C-PCB-52 | 82.7 | 5 -145 | |
| | 13C-PCB-54 | 73.1 | 5 -145 | |
| | 13C-PCB-70 | 88.4 | 5 -145 | |
| | 13C-PCB-77 | 93.5 | 10 -145 | |
| | 13C-PCB-80 | 90.2 | 10 -145 | |
| | 13C-PCB-81 | 93.1 | 10 -145 | |
| | 13C-PCB-95 | 85.4 | 10 -145 | |
| | 13C-PCB-97 | 91.5 | 10 -145 | |
| | 13C-PCB-101 | 89.5 | 10 -145 | |
| | 13C-PCB-104 | 78.5 | 10 -145 | |
| | 13C-PCB-105 | 86.0 | 10 -145 | |
| | 13C-PCB-114 | 85.6 | 10 -145 | |
| | 13C-PCB-118 | 93.5 | 10 -145 | |
| | 13C-PCB-123 | 94.3 | 10 -145 | |
| | 13C-PCB-126 | 84.4 | 10 -145 | |
| | 13C-PCB-127 | 83.2 | 10 -145 | |
| | 13C-PCB-138 | 91.0 | 10 -145 | |
| | 13C-PCB-141 | 91.7 | 10 -145 | |
| | 13C-PCB-153 | 89.2 | 10 -145 | |
| | 13C-PCB-155 | 101 | 10 -145 | |
| | 13C-PCB-156 | 94.5 | 10 -145 | |
| | 13C-PCB-157 | 93.3 | 10 -145 | |
| | 13C-PCB-159 | 94.2 | 10 -145 | |
| | 13C-PCB-167 | 93.7 | 10 -145 | |
| | 13C-PCB-169 | 87.2 | 10 -145 | |
| | 13C-PCB-170 | 89.5 | 10 -145 | |
| | 13C-PCB-180 | 92.7 | 10 -145 | |
| | 13C-PCB-188 | 86.6 | 10 -145 | |
| | 13C-PCB-189 | 89.4 | 10 -145 | |
| | 13C-PCB-194 | 87.7 | 10 -145 | |
| | 13C-PCB-202 | 102 | 10 -145 | |
| | 13C-PCB-206 | 111 | 10 -145 | |
| | 13C-PCB-208 | 99.9 | 10 -145 | |
| | 13C-PCB-209 | 132 | 10 -145 | |
| CRS | 13C-PCB-79 | 102 | 10 -145 | |
| | 13C-PCB-178 | 105 | 10 -145 | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-BDUP-T171026131726 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 0:00

**Sample Data**
Matrix: Water
Sample Size: 0.982 L

**Laboratory Data**
Lab Sample: 1701560-02 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 01:09 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-1 | ND | 5.09 | 1.30 | U |
| PCB-2 | ND | 5.09 | 1.29 | U |
| PCB-3 | ND | 5.09 | 1.29 | U |
| PCB-4/10 | 132 | 10.2 | | |
| PCB-5/8 | ND | 10.2 | 2.32 | U |
| PCB-6 | ND | 5.09 | 1.43 | U |
| PCB-7/9 | ND | 10.2 | 1.52 | U |
| PCB-11 | 9.60 | 5.09 | | B |
| PCB-12/13 | ND | 10.2 | 1.34 | U |
| PCB-14 | ND | 5.09 | 1.32 | U |
| PCB-15 | 6.65 | 5.09 | | |
| PCB-16/32 | 31.3 | 10.2 | | B |
| PCB-17 | 7.99 | 5.09 | | |
| PCB-18 | 26.1 | 5.09 | | B |
| PCB-19 | 48.6 | 5.09 | | |
| PCB-20/21/33 | 2.06 | 15.3 | | J |
| PCB-22 | ND | 5.09 | 0.651 | UM |
| PCB-23 | ND | 5.09 | 0.497 | U |
| PCB-24/27 | 12.2 | 10.2 | | |
| PCB-25 | 0.789 | 5.09 | | J |
| PCB-26 | 3.10 | 5.09 | | J |
| PCB-28 | 9.52 | 5.09 | | |
| PCB-29 | ND | 5.09 | 0.490 | U |
| PCB-30 | ND | 5.09 | 0.435 | U |
| PCB-31 | 5.70 | 5.09 | | |
| PCB-34 | ND | 5.09 | 0.490 | U |
| PCB-35 | ND | 5.09 | 0.421 | U |
| PCB-36 | ND | 5.09 | 0.411 | U |
| PCB-37 | 3.13 | 5.09 | | J |
| PCB-38 | ND | 5.09 | 0.429 | U |
| PCB-39 | ND | 5.09 | 0.442 | U |
| PCB-40 | 5.00 | 5.09 | | J |
| PCB-41/64/71/72 | 23.4 | 20.4 | | |
| PCB-42/59 | 8.35 | 10.2 | | J |
| PCB-43/49 | 17.2 | 10.2 | | |
| PCB-44 | 25.6 | 5.09 | | |
| PCB-45 | 9.40 | 5.09 | | |
| PCB-46 | 4.00 | 5.09 | | J |
| PCB-47 | 10.2 | 5.09 | | |
| PCB-48/75 | 4.13 | 10.2 | | J |
| PCB-50 | ND | 5.09 | 0.615 | U |
| PCB-51 | ND | 5.09 | 2.32 | UM |
| PCB-52/69 | 25.3 | 10.2 | | |
| PCB-53 | 9.86 | 5.09 | | |
| PCB-54 | 0.949 | 5.09 | | J |
| PCB-55 | ND | 5.09 | 0.415 | U |
| PCB-56/60 | 6.52 | 10.2 | | J |
| PCB-57 | ND | 5.09 | 0.422 | U |
| PCB-58 | ND | 5.09 | 0.424 | U |
| PCB-61/70 | 7.89 | 10.2 | | J |
| PCB-62 | ND | 5.09 | 0.494 | U |
| PCB-63 | ND | 5.09 | 0.674 | UM |
| PCB-65 | ND | 5.09 | 0.426 | U |
| PCB-66/76 | 9.77 | 10.2 | | J |
| PCB-67 | 0.701 | 5.09 | | J |
| PCB-68 | ND | 5.09 | 0.668 | UM |
| PCB-73 | ND | 5.09 | 0.429 | U |
| PCB-74 | 5.69 | 5.09 | | |
| PCB-77 | 1.22 | 5.09 | | J |
| PCB-78 | ND | 5.09 | 0.423 | U |
| PCB-79 | ND | 5.09 | 0.412 | U |
| PCB-80 | ND | 5.09 | 0.403 | U |
| PCB-81 | ND | 5.09 | 0.482 | U |
| PCB-82 | ND | 5.09 | 1.01 | UM |
| PCB-83 | ND | 5.09 | 0.447 | U |
| PCB-84/92 | 4.00 | 10.2 | | J |
| PCB-85/116 | 1.30 | 10.2 | | J |
| PCB-86 | ND | 5.09 | 0.724 | U |
| PCB-87/117/125 | 2.68 | 15.3 | | J |
| PCB-88/91 | 2.16 | 5.09 | | J |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-BDUP-T171026131726 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 0:00

**Sample Data**
Matrix: Water
Sample Size: 0.982 L

**Laboratory Data**
Lab Sample: 1701560-02 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 01:09 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-89 | ND | 5.09 | 0.675 | U |
| PCB-90/101 | 6.83 | 10.2 | | J |
| PCB-93 | ND | 5.09 | 0.796 | U |
| PCB-94 | ND | 5.09 | 0.806 | U |
| PCB-95/98/102 | 7.69 | 15.3 | | J |
| PCB-96 | ND | 5.09 | 0.503 | U |
| PCB-97 | 2.48 | 5.09 | | J |
| PCB-99 | ND | 5.09 | 2.38 | UM |
| PCB-100 | ND | 5.09 | 0.615 | U |
| PCB-103 | ND | 5.09 | 0.627 | U |
| PCB-104 | ND | 5.09 | 0.529 | U |
| PCB-105 | 2.24 | 5.09 | | J |
| PCB-106/118 | 4.37 | 10.2 | | J |
| PCB-107/109 | ND | 10.2 | 0.424 | U |
| PCB-108/112 | ND | 10.2 | 0.558 | U |
| PCB-110 | 7.68 | 5.09 | | |
| PCB-111/115 | ND | 10.2 | 0.437 | U |
| PCB-113 | ND | 5.09 | 0.487 | U |
| PCB-114 | ND | 5.09 | 0.622 | U |
| PCB-119 | ND | 5.09 | 0.461 | U |
| PCB-120 | ND | 5.09 | 0.395 | U |
| PCB-121 | ND | 5.09 | 0.438 | U |
| PCB-122 | ND | 5.09 | 0.674 | U |
| PCB-123 | ND | 5.09 | 0.498 | U |
| PCB-124 | ND | 5.09 | 0.430 | U |
| PCB-126 | ND | 5.09 | 0.649 | U |
| PCB-127 | ND | 5.09 | 0.637 | U |
| PCB-128/162 | 1.07 | 10.2 | | J |
| PCB-129 | ND | 5.09 | 0.666 | U |
| PCB-130 | ND | 5.09 | 0.707 | U |
| PCB-131/133 | ND | 10.2 | 0.599 | U |
| PCB-132/161 | ND | 10.2 | 0.843 | UM |
| PCB-134/143 | ND | 10.2 | 0.641 | U |
| PCB-135 | ND | 5.09 | 0.753 | UM |
| PCB-136 | ND | 5.09 | 0.687 | UM |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-137 | ND | 5.09 | 0.516 | U |
| PCB-138/163/164 | ND | 15.3 | 3.07 | UM |
| PCB-139/149 | 3.23 | 10.2 | | J |
| PCB-140 | ND | 5.09 | 1.08 | U |
| PCB-141 | 0.761 | 5.09 | | J |
| PCB-142 | ND | 5.09 | 0.668 | U |
| PCB-144 | ND | 5.09 | 1.08 | U |
| PCB-145 | ND | 5.09 | 0.735 | U |
| PCB-146/165 | ND | 10.2 | 0.479 | U |
| PCB-147 | ND | 5.09 | 1.03 | U |
| PCB-148 | ND | 5.09 | 1.07 | U |
| PCB-150 | ND | 5.09 | 0.809 | U |
| PCB-151 | ND | 5.09 | 0.911 | UM |
| PCB-152 | ND | 5.09 | 0.717 | U |
| PCB-153 | 3.00 | 5.09 | | J |
| PCB-154 | ND | 5.09 | 0.947 | U |
| PCB-155 | ND | 5.09 | 0.838 | U |
| PCB-156 | 0.633 | 5.09 | | J |
| PCB-157 | 0.494 | 5.09 | | J |
| PCB-158/160 | ND | 10.2 | 0.667 | UM |
| PCB-159 | ND | 5.09 | 0.369 | U |
| PCB-166 | ND | 5.09 | 0.379 | U |
| PCB-167 | ND | 5.09 | 0.436 | U |
| PCB-168 | ND | 5.09 | 0.438 | U |
| PCB-169 | ND | 5.09 | 0.399 | U |
| PCB-170 | ND | 5.09 | 0.533 | U |
| PCB-171 | ND | 5.09 | 0.509 | U |
| PCB-172 | ND | 5.09 | 0.503 | U |
| PCB-173 | ND | 5.09 | 0.549 | U |
| PCB-174 | ND | 5.09 | 0.492 | U |
| PCB-175 | ND | 5.09 | 0.520 | U |
| PCB-176 | ND | 5.09 | 0.396 | U |
| PCB-177 | ND | 5.09 | 0.525 | U |
| PCB-178 | ND | 5.09 | 0.535 | U |
| PCB-179 | ND | 5.09 | 0.375 | U |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-BDUP-T171026131726 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 0:00

**Sample Data**
Matrix: Water
Sample Size: 0.982 L

**Laboratory Data**
Lab Sample: 1701560-02 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 01:09 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | 1.51 | 5.09 | | J |
| PCB-181 | ND | 5.09 | 0.472 | U |
| PCB-182/187 | ND | 10.2 | 1.11 | UM |
| PCB-183 | ND | 5.09 | 0.460 | U |
| PCB-184 | ND | 5.09 | 0.394 | U |
| PCB-185 | ND | 5.09 | 0.514 | U |
| PCB-186 | ND | 5.09 | 0.365 | U |
| PCB-188 | ND | 5.09 | 0.379 | U |
| PCB-189 | ND | 5.09 | 0.337 | U |
| PCB-190 | ND | 5.09 | 0.392 | U |
| PCB-191 | ND | 5.09 | 0.401 | U |
| PCB-192 | ND | 5.09 | 0.386 | U |
| PCB-193 | ND | 5.09 | 0.407 | U |
| PCB-194 | ND | 5.09 | 1.02 | UM |
| PCB-195 | ND | 5.09 | 0.335 | U |
| PCB-196/203 | ND | 10.2 | 0.642 | U |
| PCB-197 | ND | 5.09 | 0.492 | U |
| PCB-198 | ND | 5.09 | 0.644 | U |
| PCB-199 | ND | 5.09 | 0.676 | U |
| PCB-200 | ND | 5.09 | 0.519 | U |
| PCB-201 | ND | 5.09 | 0.553 | U |
| PCB-202 | ND | 5.09 | 0.511 | U |
| PCB-204 | ND | 5.09 | 0.505 | U |
| PCB-205 | ND | 5.09 | 0.261 | U |
| PCB-206 | ND | 5.09 | 0.323 | U |
| PCB-207 | ND | 5.09 | 0.246 | U |
| PCB-208 | ND | 5.09 | 0.244 | U |
| PCB-209 | ND | 5.09 | 0.318 | U |
| Total monoCB | ND | | 1.30 | U |
| Total diCB | 148 | | | |
| Total triCB | 151 | | | |
| Total tetraCB | 175 | | | |
| Total pentaCB | 41.4 | | | |
| Total hexaCB | 9.19 | | | |
| Total heptaCB | 1.51 | | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | ND | | 1.02 | UM |
| Total nonaCB | ND | | 0.323 | U |
| DecaCB | ND | | 0.318 | U |
| Total PCB | 526 | | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-BDUP-T171026131726 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 0:00

**Sample Data**
Matrix: Water
Sample Size: 0.982 L

**Laboratory Data**
Lab Sample: 1701560-02 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 01:09 Column: ZB-1

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 36.2 | 5 -145 | |
| | 13C-PCB-3 | 38.1 | 5 -145 | |
| | 13C-PCB-4 | 56.1 | 5 -145 | |
| | 13C-PCB-11 | 75.9 | 5 -145 | |
| | 13C-PCB-9 | 63.0 | 5 -145 | |
| | 13C-PCB-19 | 66.9 | 5 -145 | |
| | 13C-PCB-28 | 79.9 | 5 -145 | |
| | 13C-PCB-32 | 76.7 | 5 -145 | |
| | 13C-PCB-37 | 83.9 | 5 -145 | |
| | 13C-PCB-47 | 92.6 | 5 -145 | |
| | 13C-PCB-52 | 90.9 | 5 -145 | |
| | 13C-PCB-54 | 82.4 | 5 -145 | |
| | 13C-PCB-70 | 91.0 | 5 -145 | |
| | 13C-PCB-77 | 96.2 | 10 -145 | |
| | 13C-PCB-80 | 91.9 | 10 -145 | |
| | 13C-PCB-81 | 95.7 | 10 -145 | |
| | 13C-PCB-95 | 85.5 | 10 -145 | |
| | 13C-PCB-97 | 90.7 | 10 -145 | |
| | 13C-PCB-101 | 87.1 | 10 -145 | |
| | 13C-PCB-104 | 85.6 | 10 -145 | |
| | 13C-PCB-105 | 80.5 | 10 -145 | |
| | 13C-PCB-114 | 83.4 | 10 -145 | |
| | 13C-PCB-118 | 92.9 | 10 -145 | |
| | 13C-PCB-123 | 96.7 | 10 -145 | |
| | 13C-PCB-126 | 79.5 | 10 -145 | |
| | 13C-PCB-127 | 78.7 | 10 -145 | |
| | 13C-PCB-138 | 89.1 | 10 -145 | |
| | 13C-PCB-141 | 90.0 | 10 -145 | |
| | 13C-PCB-153 | 87.4 | 10 -145 | |
| | 13C-PCB-155 | 97.9 | 10 -145 | |
| | 13C-PCB-156 | 93.8 | 10 -145 | |
| | 13C-PCB-157 | 93.4 | 10 -145 | |
| | 13C-PCB-159 | 92.3 | 10 -145 | |
| | 13C-PCB-167 | 91.9 | 10 -145 | |
| | 13C-PCB-169 | 91.3 | 10 -145 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| | 13C-PCB-170 | 94.0 | 10 -145 | |
| | 13C-PCB-180 | 94.5 | 10 -145 | |
| | 13C-PCB-188 | 85.7 | 10 -145 | |
| | 13C-PCB-189 | 95.9 | 10 -145 | |
| | 13C-PCB-194 | 88.4 | 10 -145 | |
| | 13C-PCB-202 | 99.0 | 10 -145 | |
| | 13C-PCB-206 | 106 | 10 -145 | |
| | 13C-PCB-208 | 96.2 | 10 -145 | |
| | 13C-PCB-209 | 120 | 10 -145 | |
| CRS | 13C-PCB-79 | 107 | 10 -145 | |
| | 13C-PCB-178 | 106 | 10 -145 | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-FDBL-T171026132307 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.858 L

**Laboratory Data**
Lab Sample: 1701560-03 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 02:14 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-1 | 2.26 | 5.83 | | J |
| PCB-2 | ND | 5.83 | 1.47 | U |
| PCB-3 | ND | 5.83 | 1.21 | U |
| PCB-4/10 | ND | 11.7 | 9.47 | U |
| PCB-5/8 | ND | 11.7 | 8.28 | U |
| PCB-6 | ND | 5.83 | 3.58 | U |
| PCB-7/9 | ND | 11.7 | 1.62 | U |
| PCB-11 | ND | 7.20 | 7.20 | UM |
| PCB-12/13 | ND | 11.7 | 1.37 | U |
| PCB-14 | ND | 5.83 | 1.35 | U |
| PCB-15 | ND | 5.83 | 3.66 | U |
| PCB-16/32 | 7.27 | 11.7 | | J, B |
| PCB-17 | 3.99 | 5.83 | | J |
| PCB-18 | 7.17 | 5.83 | | B |
| PCB-19 | 3.51 | 5.83 | | J |
| PCB-20/21/33 | 6.35 | 17.5 | | J |
| PCB-22 | 3.45 | 5.83 | | J |
| PCB-23 | ND | 5.83 | 0.756 | U |
| PCB-24/27 | 2.78 | 11.7 | | J |
| PCB-25 | ND | 5.83 | 0.680 | U |
| PCB-26 | 1.72 | 5.83 | | J |
| PCB-28 | 6.47 | 5.83 | | |
| PCB-29 | ND | 5.83 | 0.746 | U |
| PCB-30 | ND | 5.83 | 0.917 | U |
| PCB-31 | 5.97 | 5.83 | | |
| PCB-34 | ND | 5.83 | 0.749 | U |
| PCB-35 | ND | 5.83 | 0.703 | U |
| PCB-36 | ND | 5.83 | 0.686 | U |
| PCB-37 | ND | 5.83 | 1.32 | UM |
| PCB-38 | ND | 5.83 | 0.716 | U |
| PCB-39 | ND | 5.83 | 0.738 | U |
| PCB-40 | ND | 5.83 | 0.959 | U |
| PCB-41/64/71/72 | 5.04 | 23.3 | | J |
| PCB-42/59 | ND | 11.7 | 1.45 | UM |
| PCB-43/49 | 3.53 | 11.7 | | J |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-44 | ND | 5.83 | 4.20 | UM |
| PCB-45 | ND | 5.83 | 1.28 | UM |
| PCB-46 | 1.35 | 5.83 | | J |
| PCB-47 | 2.79 | 5.83 | | J |
| PCB-48/75 | 1.35 | 11.7 | | J |
| PCB-50 | ND | 5.83 | 0.749 | U |
| PCB-51 | ND | 5.83 | 0.604 | U |
| PCB-52/69 | 4.73 | 11.7 | | J |
| PCB-53 | 1.70 | 5.83 | | J |
| PCB-54 | ND | 5.83 | 0.611 | U |
| PCB-55 | ND | 5.83 | 0.422 | U |
| PCB-56/60 | 2.02 | 11.7 | | J |
| PCB-57 | ND | 5.83 | 0.454 | U |
| PCB-58 | ND | 5.83 | 0.456 | U |
| PCB-61/70 | 2.81 | 11.7 | | J |
| PCB-62 | ND | 5.83 | 0.546 | U |
| PCB-63 | ND | 5.83 | 0.512 | U |
| PCB-65 | ND | 5.83 | 0.471 | U |
| PCB-66/76 | ND | 11.7 | 1.55 | UM |
| PCB-67 | ND | 5.83 | 0.465 | U |
| PCB-68 | 0.950 | 5.83 | | J |
| PCB-73 | ND | 5.83 | 0.457 | U |
| PCB-74 | 1.04 | 5.83 | | J |
| PCB-77 | ND | 5.83 | 0.448 | U |
| PCB-78 | ND | 5.83 | 0.408 | U |
| PCB-79 | ND | 5.83 | 0.418 | U |
| PCB-80 | ND | 5.83 | 0.409 | U |
| PCB-81 | ND | 5.83 | 0.465 | U |
| PCB-82 | ND | 5.83 | 0.986 | U |
| PCB-83 | ND | 5.83 | 0.635 | U |
| PCB-84/92 | ND | 11.7 | 1.16 | UM |
| PCB-85/116 | ND | 11.7 | 0.863 | U |
| PCB-86 | ND | 5.83 | 1.03 | U |
| PCB-87/117/125 | 1.14 | 17.5 | | J |
| PCB-88/91 | ND | 5.83 | 1.15 | U |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-FDBL-T171026132307 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.858 L

**Laboratory Data**
Lab Sample: 1701560-03 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 02:14 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-89 | ND | 5.83 | 0.966 | U |
| PCB-90/101 | ND | 11.7 | 1.35 | UM |
| PCB-93 | ND | 5.83 | 1.21 | U |
| PCB-94 | ND | 5.83 | 1.22 | U |
| PCB-95/98/102 | 3.01 | 17.5 | | J |
| PCB-96 | ND | 5.83 | 0.769 | U |
| PCB-97 | ND | 5.83 | 0.948 | U |
| PCB-99 | 0.592 | 5.83 | | J |
| PCB-100 | ND | 5.83 | 0.941 | U |
| PCB-103 | ND | 5.83 | 0.959 | U |
| PCB-104 | ND | 5.83 | 0.808 | U |
| PCB-105 | ND | 5.83 | 0.687 | U |
| PCB-106/118 | ND | 11.7 | 0.653 | UM |
| PCB-107/109 | ND | 11.7 | 0.605 | U |
| PCB-108/112 | ND | 11.7 | 0.794 | U |
| PCB-110 | 1.83 | 5.83 | | J |
| PCB-111/115 | ND | 11.7 | 0.621 | U |
| PCB-113 | ND | 5.83 | 0.699 | U |
| PCB-114 | ND | 5.83 | 0.629 | U |
| PCB-119 | ND | 5.83 | 0.655 | U |
| PCB-120 | ND | 5.83 | 0.562 | U |
| PCB-121 | ND | 5.83 | 0.665 | U |
| PCB-122 | ND | 5.83 | 0.680 | U |
| PCB-123 | ND | 5.83 | 0.708 | U |
| PCB-124 | ND | 5.83 | 0.614 | U |
| PCB-126 | ND | 5.83 | 0.693 | U |
| PCB-127 | ND | 5.83 | 0.618 | U |
| PCB-128/162 | ND | 11.7 | 0.683 | U |
| PCB-129 | ND | 5.83 | 0.948 | U |
| PCB-130 | ND | 5.83 | 0.976 | U |
| PCB-131/133 | ND | 11.7 | 0.799 | U |
| PCB-132/161 | ND | 11.7 | 0.650 | U |
| PCB-134/143 | ND | 11.7 | 0.858 | U |
| PCB-135 | ND | 5.83 | 0.766 | U |
| PCB-136 | ND | 5.83 | 0.644 | U |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-137 | ND | 5.83 | 0.713 | U |
| PCB-138/163/164 | ND | 17.5 | 0.834 | UM |
| PCB-139/149 | 1.99 | 11.7 | | J |
| PCB-140 | ND | 5.83 | 0.852 | U |
| PCB-141 | ND | 5.83 | 0.772 | U |
| PCB-142 | ND | 5.83 | 0.892 | U |
| PCB-144 | ND | 5.83 | 0.860 | U |
| PCB-145 | ND | 5.83 | 0.583 | U |
| PCB-146/165 | ND | 11.7 | 0.640 | U |
| PCB-147 | ND | 5.83 | 0.818 | U |
| PCB-148 | ND | 5.83 | 0.852 | U |
| PCB-150 | ND | 5.83 | 0.643 | U |
| PCB-151 | ND | 5.83 | 0.876 | U |
| PCB-152 | ND | 5.83 | 0.569 | U |
| PCB-153 | 1.14 | 5.83 | | J |
| PCB-154 | ND | 5.83 | 0.752 | U |
| PCB-155 | ND | 5.83 | 0.667 | U |
| PCB-156 | ND | 5.83 | 0.576 | U |
| PCB-157 | ND | 5.83 | 0.610 | U |
| PCB-158/160 | ND | 11.7 | 0.627 | U |
| PCB-159 | ND | 5.83 | 0.526 | U |
| PCB-166 | ND | 5.83 | 0.541 | U |
| PCB-167 | ND | 5.83 | 0.581 | U |
| PCB-168 | ND | 5.83 | 0.585 | U |
| PCB-169 | ND | 5.83 | 0.545 | U |
| PCB-170 | ND | 5.83 | 0.441 | U |
| PCB-171 | ND | 5.83 | 0.431 | U |
| PCB-172 | ND | 5.83 | 0.427 | U |
| PCB-173 | ND | 5.83 | 0.466 | U |
| PCB-174 | ND | 5.83 | 0.418 | U |
| PCB-175 | ND | 5.83 | 0.450 | U |
| PCB-176 | ND | 5.83 | 0.343 | U |
| PCB-177 | ND | 5.83 | 0.445 | U |
| PCB-178 | ND | 5.83 | 0.463 | U |
| PCB-179 | ND | 5.83 | 0.324 | U |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-FDBL-T171026132307 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.858 L

**Laboratory Data**
Lab Sample: 1701560-03 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 02:14 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | ND | 5.83 | 0.390 | U |
| PCB-181 | ND | 5.83 | 0.401 | U |
| PCB-182/187 | ND | 11.7 | 0.393 | U |
| PCB-183 | ND | 5.83 | 0.398 | U |
| PCB-184 | ND | 5.83 | 0.340 | U |
| PCB-185 | ND | 5.83 | 0.436 | U |
| PCB-186 | ND | 5.83 | 0.316 | U |
| PCB-188 | ND | 5.83 | 0.327 | U |
| PCB-189 | ND | 5.83 | 0.294 | U |
| PCB-190 | ND | 5.83 | 0.324 | U |
| PCB-191 | ND | 5.83 | 0.340 | U |
| PCB-192 | ND | 5.83 | 0.328 | U |
| PCB-193 | ND | 5.83 | 0.345 | U |
| PCB-194 | 0.978 | 5.83 | | J, B |
| PCB-195 | ND | 5.83 | 0.433 | U |
| PCB-196/203 | ND | 11.7 | 0.622 | U |
| PCB-197 | ND | 5.83 | 0.477 | U |
| PCB-198 | ND | 5.83 | 0.624 | U |
| PCB-199 | ND | 5.83 | 0.655 | U |
| PCB-200 | ND | 5.83 | 0.503 | U |
| PCB-201 | ND | 5.83 | 0.536 | U |
| PCB-202 | ND | 5.83 | 0.494 | U |
| PCB-204 | ND | 5.83 | 0.489 | U |
| PCB-205 | ND | 5.83 | 0.337 | U |
| PCB-206 | ND | 5.83 | 0.411 | U |
| PCB-207 | ND | 5.83 | 0.311 | U |
| PCB-208 | ND | 5.83 | 0.309 | U |
| PCB-209 | ND | 5.83 | 0.510 | U |
| Total monoCB | 2.26 | | | |
| Total diCB | ND | | 7.20 | UM |
| Total triCB | 48.7 | | | |
| Total tetraCB | 27.3 | | | |
| Total pentaCB | 6.57 | | | |
| Total hexaCB | 3.13 | | | |
| Total heptaCB | ND | | 0.466 | U |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | 0.978 | | | |
| Total nonaCB | ND | | 0.411 | U |
| DecaCB | ND | | 0.510 | U |
| Total PCB | 88.9 | | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-FDBL-T171026132307 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.858 L

**Laboratory Data**
Lab Sample: 1701560-03 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 02:14 Column: ZB-1

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 31.5 | 5 -145 | |
| | 13C-PCB-3 | 32.0 | 5 -145 | |
| | 13C-PCB-4 | 48.0 | 5 -145 | |
| | 13C-PCB-11 | 64.3 | 5 -145 | |
| | 13C-PCB-9 | 52.6 | 5 -145 | |
| | 13C-PCB-19 | 56.9 | 5 -145 | |
| | 13C-PCB-28 | 70.7 | 5 -145 | |
| | 13C-PCB-32 | 66.9 | 5 -145 | |
| | 13C-PCB-37 | 71.9 | 5 -145 | |
| | 13C-PCB-47 | 79.2 | 5 -145 | |
| | 13C-PCB-52 | 77.9 | 5 -145 | |
| | 13C-PCB-54 | 65.1 | 5 -145 | |
| | 13C-PCB-70 | 80.4 | 5 -145 | |
| | 13C-PCB-77 | 91.0 | 10 -145 | |
| | 13C-PCB-80 | 83.1 | 10 -145 | |
| | 13C-PCB-81 | 90.0 | 10 -145 | |
| | 13C-PCB-95 | 76.9 | 10 -145 | |
| | 13C-PCB-97 | 88.4 | 10 -145 | |
| | 13C-PCB-101 | 85.0 | 10 -145 | |
| | 13C-PCB-104 | 76.8 | 10 -145 | |
| | 13C-PCB-105 | 79.9 | 10 -145 | |
| | 13C-PCB-114 | 80.8 | 10 -145 | |
| | 13C-PCB-118 | 91.9 | 10 -145 | |
| | 13C-PCB-123 | 93.5 | 10 -145 | |
| | 13C-PCB-126 | 76.4 | 10 -145 | |
| | 13C-PCB-127 | 81.8 | 10 -145 | |
| | 13C-PCB-138 | 87.9 | 10 -145 | |
| | 13C-PCB-141 | 88.7 | 10 -145 | |
| | 13C-PCB-153 | 86.5 | 10 -145 | |
| | 13C-PCB-155 | 93.4 | 10 -145 | |
| | 13C-PCB-156 | 91.8 | 10 -145 | |
| | 13C-PCB-157 | 92.1 | 10 -145 | |
| | 13C-PCB-159 | 91.3 | 10 -145 | |
| | 13C-PCB-167 | 90.9 | 10 -145 | |
| | 13C-PCB-169 | 89.3 | 10 -145 | |
| | 13C-PCB-170 | 94.1 | 10 -145 | |
| | 13C-PCB-180 | 94.5 | 10 -145 | |
| | 13C-PCB-188 | 83.8 | 10 -145 | |
| | 13C-PCB-189 | 96.2 | 10 -145 | |
| | 13C-PCB-194 | 89.5 | 10 -145 | |
| | 13C-PCB-202 | 98.2 | 10 -145 | |
| | 13C-PCB-206 | 107 | 10 -145 | |
| | 13C-PCB-208 | 98.9 | 10 -145 | |
| | 13C-PCB-209 | 123 | 10 -145 | |
| CRS | 13C-PCB-79 | 99.1 | 10 -145 | |
| | 13C-PCB-178 | 101 | 10 -145 | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-ROIS-T171026131614 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:40

**Sample Data**
Matrix: Water
Sample Size: 0.978 L

**Laboratory Data**
Lab Sample: 1701560-04 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 03:19 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-1 | ND | 5.11 | 1.22 | U |
| PCB-2 | ND | 5.11 | 1.21 | U |
| PCB-3 | ND | 5.11 | 1.21 | U |
| PCB-4/10 | 137 | 10.2 | | |
| PCB-5/8 | ND | 10.2 | 1.84 | U |
| PCB-6 | ND | 5.11 | 1.26 | U |
| PCB-7/9 | ND | 10.2 | 1.30 | U |
| PCB-11 | ND | 6.93 | 6.93 | U |
| PCB-12/13 | ND | 10.2 | 1.17 | U |
| PCB-14 | ND | 5.11 | 1.16 | U |
| PCB-15 | ND | 10.3 | 10.3 | U |
| PCB-16/32 | 30.3 | 10.2 | | B |
| PCB-17 | 7.63 | 5.11 | | |
| PCB-18 | 25.5 | 5.11 | | B |
| PCB-19 | 47.0 | 5.11 | | |
| PCB-20/21/33 | 1.40 | 15.3 | | J |
| PCB-22 | 0.945 | 5.11 | | J |
| PCB-23 | ND | 5.11 | 0.634 | U |
| PCB-24/27 | 11.9 | 10.2 | | |
| PCB-25 | 0.786 | 5.11 | | J |
| PCB-26 | 2.82 | 5.11 | | J |
| PCB-28 | 11.4 | 5.11 | | |
| PCB-29 | ND | 5.11 | 0.626 | U |
| PCB-30 | ND | 5.11 | 0.464 | U |
| PCB-31 | 5.52 | 5.11 | | |
| PCB-34 | ND | 5.11 | 0.628 | U |
| PCB-35 | ND | 5.11 | 0.603 | U |
| PCB-36 | ND | 5.11 | 0.588 | U |
| PCB-37 | 3.62 | 5.11 | | J |
| PCB-38 | ND | 5.11 | 0.614 | U |
| PCB-39 | ND | 5.11 | 0.632 | U |
| PCB-40 | ND | 5.11 | 5.05 | UM |
| PCB-41/64/71/72 | 23.3 | 20.5 | | |
| PCB-42/59 | 9.13 | 10.2 | | J |
| PCB-43/49 | 17.2 | 10.2 | | |
| PCB-44 | 25.9 | 5.11 | | |
| PCB-45 | 10.2 | 5.11 | | |
| PCB-46 | 3.17 | 5.11 | | J |
| PCB-47 | 11.1 | 5.11 | | |
| PCB-48/75 | 4.05 | 10.2 | | J |
| PCB-50 | ND | 5.11 | 0.575 | U |
| PCB-51 | 2.85 | 5.11 | | J |
| PCB-52/69 | 25.7 | 10.2 | | |
| PCB-53 | 9.80 | 5.11 | | |
| PCB-54 | 0.638 | 5.11 | | J |
| PCB-55 | ND | 5.11 | 0.407 | U |
| PCB-56/60 | 8.19 | 10.2 | | J |
| PCB-57 | ND | 5.11 | 0.428 | U |
| PCB-58 | ND | 5.11 | 0.431 | U |
| PCB-61/70 | 8.16 | 10.2 | | J |
| PCB-62 | ND | 5.11 | 0.515 | U |
| PCB-63 | 0.639 | 5.11 | | J |
| PCB-65 | ND | 5.11 | 0.444 | U |
| PCB-66/76 | 9.44 | 10.2 | | J |
| PCB-67 | ND | 5.11 | 0.513 | UM |
| PCB-68 | 0.730 | 5.11 | | J |
| PCB-73 | ND | 5.11 | 0.410 | U |
| PCB-74 | 5.75 | 5.11 | | |
| PCB-77 | 0.891 | 5.11 | | J |
| PCB-78 | ND | 5.11 | 0.418 | U |
| PCB-79 | ND | 5.11 | 0.404 | U |
| PCB-80 | ND | 5.11 | 0.395 | U |
| PCB-81 | ND | 5.11 | 0.477 | U |
| PCB-82 | ND | 5.11 | 0.899 | UM |
| PCB-83 | ND | 5.11 | 0.527 | U |
| PCB-84/92 | 4.44 | 10.2 | | J |
| PCB-85/116 | 1.41 | 10.2 | | J |
| PCB-86 | ND | 5.11 | 0.854 | U |
| PCB-87/117/125 | ND | 15.3 | 2.81 | UM |
| PCB-88/91 | 2.04 | 5.11 | | J |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-ROIS-T171026131614 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:40

**Sample Data**
Matrix: Water
Sample Size: 0.978 L

**Laboratory Data**
Lab Sample: 1701560-04 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 03:19 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-89 | ND | 5.11 | 0.751 | U |
| PCB-90/101 | 6.75 | 10.2 | | J |
| PCB-93 | ND | 5.11 | 0.911 | U |
| PCB-94 | ND | 5.11 | 0.923 | U |
| PCB-95/98/102 | 7.48 | 15.3 | | J |
| PCB-96 | ND | 5.11 | 0.593 | U |
| PCB-97 | 2.50 | 5.11 | | J |
| PCB-99 | ND | 5.11 | 3.09 | UM |
| PCB-100 | ND | 5.11 | 0.725 | U |
| PCB-103 | ND | 5.11 | 0.739 | U |
| PCB-104 | ND | 5.11 | 0.622 | U |
| PCB-105 | 2.69 | 5.11 | | J |
| PCB-106/118 | 4.71 | 10.2 | | J |
| PCB-107/109 | ND | 10.2 | 0.485 | U |
| PCB-108/112 | ND | 10.2 | 0.659 | U |
| PCB-110 | 7.40 | 5.11 | | |
| PCB-111/115 | ND | 10.2 | 0.515 | U |
| PCB-113 | ND | 5.11 | 0.541 | U |
| PCB-114 | ND | 5.11 | 0.747 | U |
| PCB-119 | ND | 5.11 | 0.544 | U |
| PCB-120 | ND | 5.11 | 0.466 | U |
| PCB-121 | ND | 5.11 | 0.502 | U |
| PCB-122 | ND | 5.11 | 0.811 | U |
| PCB-123 | ND | 5.11 | 0.569 | U |
| PCB-124 | ND | 5.11 | 0.491 | U |
| PCB-126 | ND | 5.11 | 0.767 | U |
| PCB-127 | ND | 5.11 | 0.644 | U |
| PCB-128/162 | 0.613 | 10.2 | | J |
| PCB-129 | ND | 5.11 | 0.802 | U |
| PCB-130 | ND | 5.11 | 0.808 | U |
| PCB-131/133 | ND | 10.2 | 0.681 | U |
| PCB-132/161 | 1.14 | 10.2 | | J |
| PCB-134/143 | ND | 10.2 | 0.729 | U |
| PCB-135 | ND | 5.11 | 0.494 | UM |
| PCB-136 | ND | 5.11 | 0.655 | UM |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-137 | ND | 5.11 | 0.590 | U |
| PCB-138/163/164 | 3.56 | 15.3 | | J |
| PCB-139/149 | 2.43 | 10.2 | | J |
| PCB-140 | ND | 5.11 | 0.629 | U |
| PCB-141 | ND | 5.11 | 0.665 | UM |
| PCB-142 | ND | 5.11 | 0.762 | U |
| PCB-144 | ND | 5.11 | 0.632 | U |
| PCB-145 | ND | 5.11 | 0.429 | U |
| PCB-146/165 | ND | 10.2 | 0.547 | U |
| PCB-147 | ND | 5.11 | 0.602 | U |
| PCB-148 | ND | 5.11 | 0.626 | U |
| PCB-150 | ND | 5.11 | 0.472 | U |
| PCB-151 | 0.920 | 5.11 | | J |
| PCB-152 | ND | 5.11 | 0.419 | U |
| PCB-153 | ND | 5.11 | 2.92 | UM |
| PCB-154 | ND | 5.11 | 0.553 | U |
| PCB-155 | ND | 5.11 | 0.490 | U |
| PCB-156 | ND | 5.11 | 0.492 | U |
| PCB-157 | ND | 5.11 | 0.498 | U |
| PCB-158/160 | ND | 10.2 | 0.530 | U |
| PCB-159 | ND | 5.11 | 0.431 | U |
| PCB-166 | ND | 5.11 | 0.442 | U |
| PCB-167 | ND | 5.11 | 0.508 | U |
| PCB-168 | ND | 5.11 | 0.499 | U |
| PCB-169 | ND | 5.11 | 0.474 | U |
| PCB-170 | ND | 5.11 | 0.378 | U |
| PCB-171 | ND | 5.11 | 0.358 | U |
| PCB-172 | ND | 5.11 | 0.354 | U |
| PCB-173 | ND | 5.11 | 0.387 | U |
| PCB-174 | ND | 5.11 | 0.628 | UM |
| PCB-175 | ND | 5.11 | 0.400 | U |
| PCB-176 | ND | 5.11 | 0.305 | U |
| PCB-177 | ND | 5.11 | 0.369 | U |
| PCB-178 | ND | 5.11 | 0.412 | U |
| PCB-179 | ND | 5.11 | 0.288 | U |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-ROIS-T171026131614 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:40

**Sample Data**
Matrix: Water
Sample Size: 0.978 L

**Laboratory Data**
Lab Sample: 1701560-04 Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 03:19 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | 1.35 | 5.11 | | J |
| PCB-181 | ND | 5.11 | 0.332 | U |
| PCB-182/187 | 0.684 | 10.2 | | J |
| PCB-183 | ND | 5.11 | 0.354 | U |
| PCB-184 | ND | 5.11 | 0.303 | U |
| PCB-185 | ND | 5.11 | 0.362 | U |
| PCB-186 | ND | 5.11 | 0.281 | U |
| PCB-188 | ND | 5.11 | 0.292 | U |
| PCB-189 | ND | 5.11 | 0.246 | U |
| PCB-190 | ND | 5.11 | 0.277 | U |
| PCB-191 | ND | 5.11 | 0.282 | U |
| PCB-192 | ND | 5.11 | 0.272 | U |
| PCB-193 | ND | 5.11 | 0.288 | U |
| PCB-194 | 0.812 | 5.11 | | J, B |
| PCB-195 | ND | 5.11 | 0.421 | U |
| PCB-196/203 | ND | 10.2 | 0.589 | U |
| PCB-197 | ND | 5.11 | 0.451 | U |
| PCB-198 | ND | 5.11 | 0.590 | U |
| PCB-199 | ND | 5.11 | 0.620 | U |
| PCB-200 | ND | 5.11 | 0.476 | U |
| PCB-201 | ND | 5.11 | 0.507 | U |
| PCB-202 | ND | 5.11 | 0.468 | U |
| PCB-204 | ND | 5.11 | 0.463 | U |
| PCB-205 | ND | 5.11 | 0.329 | U |
| PCB-206 | ND | 5.11 | 0.344 | U |
| PCB-207 | ND | 5.11 | 0.271 | U |
| PCB-208 | ND | 5.11 | 0.268 | U |
| PCB-209 | ND | 5.11 | 0.411 | U |
| Total monoCB | ND | | 1.22 | U |
| Total diCB | 137 | | | |
| Total triCB | 149 | | | |
| Total tetraCB | 177 | | | |
| Total pentaCB | 39.4 | | | |
| Total hexaCB | 8.66 | | | |
| Total heptaCB | 2.03 | | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | 0.812 | | | |
| Total nonaCB | ND | | 0.344 | U |
| DecaCB | ND | | 0.411 | U |
| Total PCB | 514 | | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-ROIS-T171026131614 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 24-Oct-2017 9:40

**Sample Data**
Matrix: Water
Sample Size: 0.978 L

**Laboratory Data**
Lab Sample: 1701560-04 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 03:19 Column: ZB-1

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 31.1 | 5 -145 | |
| | 13C-PCB-3 | 33.4 | 5 -145 | |
| | 13C-PCB-4 | 50.3 | 5 -145 | |
| | 13C-PCB-11 | 68.8 | 5 -145 | |
| | 13C-PCB-9 | 58.5 | 5 -145 | |
| | 13C-PCB-19 | 60.7 | 5 -145 | |
| | 13C-PCB-28 | 81.0 | 5 -145 | |
| | 13C-PCB-32 | 70.7 | 5 -145 | |
| | 13C-PCB-37 | 75.2 | 5 -145 | |
| | 13C-PCB-47 | 77.5 | 5 -145 | |
| | 13C-PCB-52 | 77.8 | 5 -145 | |
| | 13C-PCB-54 | 72.7 | 5 -145 | |
| | 13C-PCB-70 | 77.8 | 5 -145 | |
| | 13C-PCB-77 | 83.5 | 10 -145 | |
| | 13C-PCB-80 | 79.2 | 10 -145 | |
| | 13C-PCB-81 | 83.1 | 10 -145 | |
| | 13C-PCB-95 | 76.0 | 10 -145 | |
| | 13C-PCB-97 | 83.2 | 10 -145 | |
| | 13C-PCB-101 | 80.9 | 10 -145 | |
| | 13C-PCB-104 | 75.0 | 10 -145 | |
| | 13C-PCB-105 | 72.0 | 10 -145 | |
| | 13C-PCB-114 | 70.1 | 10 -145 | |
| | 13C-PCB-118 | 83.3 | 10 -145 | |
| | 13C-PCB-123 | 84.5 | 10 -145 | |
| | 13C-PCB-126 | 68.5 | 10 -145 | |
| | 13C-PCB-127 | 74.6 | 10 -145 | |
| | 13C-PCB-138 | 79.0 | 10 -145 | |
| | 13C-PCB-141 | 78.7 | 10 -145 | |
| | 13C-PCB-153 | 76.2 | 10 -145 | |
| | 13C-PCB-155 | 89.4 | 10 -145 | |
| | 13C-PCB-156 | 81.7 | 10 -145 | |
| | 13C-PCB-157 | 83.2 | 10 -145 | |
| | 13C-PCB-159 | 82.4 | 10 -145 | |
| | 13C-PCB-167 | 81.3 | 10 -145 | |
| | 13C-PCB-169 | 79.3 | 10 -145 | |
| | 13C-PCB-170 | 83.9 | 10 -145 | |
| | 13C-PCB-180 | 84.3 | 10 -145 | |
| | 13C-PCB-188 | 75.0 | 10 -145 | |
| | 13C-PCB-189 | 85.6 | 10 -145 | |
| | 13C-PCB-194 | 80.6 | 10 -145 | |
| | 13C-PCB-202 | 89.1 | 10 -145 | |
| | 13C-PCB-206 | 94.9 | 10 -145 | |
| | 13C-PCB-208 | 88.0 | 10 -145 | |
| | 13C-PCB-209 | 110 | 10 -145 | |
| CRS | 13C-PCB-79 | 88.8 | 10 -145 | |
| | 13C-PCB-178 | 90.5 | 10 -145 | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-SCHU-T171026132034 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 10:52

**Sample Data**
Matrix: Water
Sample Size: 0.921 L

**Laboratory Data**
Lab Sample: 1701560-05 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 04:25 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-1 | 93.0 | 5.43 | | |
| PCB-2 | 1.64 | 5.43 | | J |
| PCB-3 | 19.9 | 5.43 | | |
| PCB-4/10 | 6820 | 10.9 | | |
| PCB-5/8 | 50.1 | 10.9 | | |
| PCB-6 | 13.5 | 5.43 | | |
| PCB-7/9 | ND | 10.9 | 6.28 | U |
| PCB-11 | 7.92 | 5.43 | | B |
| PCB-12/13 | 9.72 | 10.9 | | J |
| PCB-14 | ND | 5.43 | 2.00 | U |
| PCB-15 | 142 | 5.43 | | |
| PCB-16/32 | 297 | 10.9 | | B |
| PCB-17 | 175 | 5.43 | | |
| PCB-18 | 253 | 5.43 | | B |
| PCB-19 | 1940 | 5.43 | | |
| PCB-20/21/33 | 16.9 | 16.3 | | |
| PCB-22 | 13.4 | 5.43 | | |
| PCB-23 | ND | 5.43 | 0.990 | U |
| PCB-24/27 | 588 | 10.9 | | |
| PCB-25 | 17.8 | 5.43 | | |
| PCB-26 | 83.9 | 5.43 | | |
| PCB-28 | 97.6 | 5.43 | | |
| PCB-29 | ND | 5.43 | 0.976 | U |
| PCB-30 | ND | 5.43 | 0.511 | U |
| PCB-31 | 96.0 | 5.43 | | |
| PCB-34 | 4.51 | 5.43 | | J |
| PCB-35 | ND | 5.43 | 1.13 | UM |
| PCB-36 | 1.16 | 5.43 | | J |
| PCB-37 | 38.0 | 5.43 | | |
| PCB-38 | 6.02 | 5.43 | | |
| PCB-39 | 3.78 | 5.43 | | J |
| PCB-40 | 38.6 | 5.43 | | |
| PCB-41/64/71/72 | 206 | 21.7 | | |
| PCB-42/59 | 81.2 | 10.9 | | |
| PCB-43/49 | 281 | 10.9 | | |
| PCB-44 | 153 | 5.43 | | |
| PCB-45 | 75.7 | 5.43 | | |
| PCB-46 | 26.0 | 5.43 | | |
| PCB-47 | 234 | 5.43 | | |
| PCB-48/75 | 25.9 | 10.9 | | |
| PCB-50 | 4.97 | 5.43 | | J |
| PCB-51 | 52.1 | 5.43 | | |
| PCB-52/69 | 357 | 10.9 | | |
| PCB-53 | 256 | 5.43 | | |
| PCB-54 | 30.6 | 5.43 | | |
| PCB-55 | ND | 5.43 | 1.67 | UM |
| PCB-56/60 | 54.3 | 10.9 | | |
| PCB-57 | 1.80 | 5.43 | | J |
| PCB-58 | ND | 5.43 | 0.661 | U |
| PCB-61/70 | 75.8 | 10.9 | | |
| PCB-62 | ND | 5.43 | 0.798 | U |
| PCB-63 | 14.9 | 5.43 | | |
| PCB-65 | 1.41 | 5.43 | | J |
| PCB-66/76 | 92.4 | 10.9 | | |
| PCB-67 | 5.69 | 5.43 | | |
| PCB-68 | 8.76 | 5.43 | | |
| PCB-73 | 11.3 | 5.43 | | |
| PCB-74 | 60.0 | 5.43 | | |
| PCB-77 | 10.2 | 5.43 | | |
| PCB-78 | ND | 5.43 | 0.659 | U |
| PCB-79 | 1.24 | 5.43 | | J |
| PCB-80 | ND | 5.43 | 0.617 | U |
| PCB-81 | ND | 5.43 | 0.750 | U |
| PCB-82 | ND | 9.90 | 9.90 | UM |
| PCB-83 | ND | 5.43 | 0.677 | U |
| PCB-84/92 | 67.0 | 10.9 | | |
| PCB-85/116 | 16.0 | 10.9 | | |
| PCB-86 | ND | 5.43 | 1.10 | U |
| PCB-87/117/125 | 31.7 | 16.3 | | |
| PCB-88/91 | 41.2 | 5.43 | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-SCHU-T171026132034 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 10:52

**Sample Data**
Matrix: Water
Sample Size: 0.921 L

**Laboratory Data**
Lab Sample: 1701560-05 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 04:25 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-89 | 1.62 | 5.43 | | J |
| PCB-90/101 | 78.3 | 10.9 | | |
| PCB-93 | ND | 5.43 | 1.16 | U |
| PCB-94 | 11.3 | 5.43 | | |
| PCB-95/98/102 | 108 | 16.3 | | |
| PCB-96 | ND | 5.43 | 4.31 | UM |
| PCB-97 | 24.2 | 5.43 | | |
| PCB-99 | 38.7 | 5.43 | | |
| PCB-100 | 5.58 | 5.43 | | |
| PCB-103 | ND | 5.43 | 5.00 | UM |
| PCB-104 | ND | 5.43 | 0.800 | U |
| PCB-105 | 24.0 | 5.43 | | |
| PCB-106/118 | 50.6 | 10.9 | | |
| PCB-107/109 | 4.78 | 10.9 | | J |
| PCB-108/112 | 8.81 | 10.9 | | J |
| PCB-110 | 84.9 | 5.43 | | |
| PCB-111/115 | 1.54 | 10.9 | | J |
| PCB-113 | 1.55 | 5.43 | | J |
| PCB-114 | 1.79 | 5.43 | | J |
| PCB-119 | 4.00 | 5.43 | | J |
| PCB-120 | ND | 5.43 | 0.599 | U |
| PCB-121 | ND | 5.43 | 0.637 | U |
| PCB-122 | ND | 5.43 | 0.880 | U |
| PCB-123 | 0.946 | 5.43 | | J |
| PCB-124 | 2.59 | 5.43 | | J |
| PCB-126 | ND | 5.43 | 0.795 | U |
| PCB-127 | ND | 5.43 | 0.767 | U |
| PCB-128/162 | 6.74 | 10.9 | | J |
| PCB-129 | 2.34 | 5.43 | | J |
| PCB-130 | 4.28 | 5.43 | | J |
| PCB-131/133 | 4.24 | 10.9 | | J |
| PCB-132/161 | 12.5 | 10.9 | | |
| PCB-134/143 | 5.05 | 10.9 | | J |
| PCB-135 | 10.4 | 5.43 | | |
| PCB-136 | 10.1 | 5.43 | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-137 | 2.58 | 5.43 | | J |
| PCB-138/163/164 | 41.9 | 16.3 | | |
| PCB-139/149 | 33.9 | 10.9 | | |
| PCB-140 | ND | 5.43 | 0.987 | U |
| PCB-141 | 4.58 | 5.43 | | J |
| PCB-142 | ND | 5.43 | 0.932 | U |
| PCB-144 | 1.38 | 5.43 | | J |
| PCB-145 | ND | 5.43 | 0.671 | U |
| PCB-146/165 | 8.97 | 10.9 | | J |
| PCB-147 | ND | 5.43 | 2.57 | UM |
| PCB-148 | ND | 5.43 | 0.979 | U |
| PCB-150 | ND | 5.43 | 0.739 | U |
| PCB-151 | 19.7 | 5.43 | | |
| PCB-152 | ND | 5.43 | 0.655 | U |
| PCB-153 | 28.0 | 5.43 | | |
| PCB-154 | 2.11 | 5.43 | | J |
| PCB-155 | ND | 5.43 | 0.770 | U |
| PCB-156 | ND | 5.43 | 2.90 | UM |
| PCB-157 | ND | 5.43 | 0.875 | UM |
| PCB-158/160 | 3.78 | 10.9 | | J |
| PCB-159 | ND | 5.43 | 0.537 | U |
| PCB-166 | ND | 5.43 | 0.552 | U |
| PCB-167 | ND | 5.43 | 1.39 | UM |
| PCB-168 | ND | 5.43 | 0.611 | U |
| PCB-169 | ND | 5.43 | 0.558 | U |
| PCB-170 | 5.71 | 5.43 | | |
| PCB-171 | 2.15 | 5.43 | | J |
| PCB-172 | 1.15 | 5.43 | | J |
| PCB-173 | ND | 5.43 | 0.640 | U |
| PCB-174 | 5.44 | 5.43 | | |
| PCB-175 | ND | 5.43 | 0.632 | U |
| PCB-176 | 1.33 | 5.43 | | J |
| PCB-177 | ND | 5.43 | 4.56 | UM |
| PCB-178 | 4.55 | 5.43 | | J |
| PCB-179 | 5.14 | 5.43 | | J |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-SCHU-T171026132034 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 10:52

**Sample Data**
Matrix: Water
Sample Size: 0.921 L

**Laboratory Data**
Lab Sample: 1701560-05 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 04:25 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | 10.7 | 5.43 | | |
| PCB-181 | ND | 5.43 | 0.551 | U |
| PCB-182/187 | 12.6 | 10.9 | | |
| PCB-183 | ND | 5.43 | 2.21 | UM |
| PCB-184 | ND | 5.43 | 0.478 | U |
| PCB-185 | 0.765 | 5.43 | | J |
| PCB-186 | ND | 5.43 | 0.444 | U |
| PCB-188 | ND | 5.43 | 0.460 | U |
| PCB-189 | ND | 5.43 | 0.395 | U |
| PCB-190 | ND | 5.43 | 0.717 | UM |
| PCB-191 | ND | 5.43 | 0.467 | U |
| PCB-192 | ND | 5.43 | 0.450 | U |
| PCB-193 | 0.987 | 5.43 | | J |
| PCB-194 | ND | 5.43 | 3.42 | UM |
| PCB-195 | ND | 5.43 | 1.29 | UM |
| PCB-196/203 | ND | 10.9 | 4.33 | UM |
| PCB-197 | ND | 5.43 | 0.656 | U |
| PCB-198 | ND | 5.43 | 0.861 | U |
| PCB-199 | 6.31 | 5.43 | | |
| PCB-200 | ND | 5.43 | 0.691 | U |
| PCB-201 | ND | 5.43 | 0.823 | UM |
| PCB-202 | 2.68 | 5.43 | | J |
| PCB-204 | ND | 5.43 | 0.675 | U |
| PCB-205 | ND | 5.43 | 0.520 | U |
| PCB-206 | ND | 5.43 | 3.44 | UM |
| PCB-207 | 0.641 | 5.43 | | J |
| PCB-208 | 1.53 | 5.43 | | J |
| PCB-209 | 1.39 | 5.43 | | J |
| Total monoCB | 115 | | | |
| Total diCB | 7040 | | | |
| Total triCB | 3630 | | | |
| Total tetraCB | 2160 | | | |
| Total pentaCB | 609 | | | |
| Total hexaCB | 203 | | | |
| Total heptaCB | 50.5 | | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | 8.99 | | | |
| Total nonaCB | 2.17 | | | |
| DecaCB | 1.39 | | | |
| Total PCB | 13800 | | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-SCHU-T171026132034 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 10:52

**Sample Data**
Matrix: Water
Sample Size: 0.921 L

**Laboratory Data**
Lab Sample: 1701560-05 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 04:25 Column: ZB-1

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 45.1 | 5 -145 | |
| | 13C-PCB-3 | 45.0 | 5 -145 | |
| | 13C-PCB-4 | 67.0 | 5 -145 | |
| | 13C-PCB-11 | 74.8 | 5 -145 | |
| | 13C-PCB-9 | 70.2 | 5 -145 | |
| | 13C-PCB-19 | 71.5 | 5 -145 | |
| | 13C-PCB-28 | 84.2 | 5 -145 | |
| | 13C-PCB-32 | 72.7 | 5 -145 | |
| | 13C-PCB-37 | 71.3 | 5 -145 | |
| | 13C-PCB-47 | 76.1 | 5 -145 | |
| | 13C-PCB-52 | 76.2 | 5 -145 | |
| | 13C-PCB-54 | 77.6 | 5 -145 | |
| | 13C-PCB-70 | 74.7 | 5 -145 | |
| | 13C-PCB-77 | 80.7 | 10 -145 | |
| | 13C-PCB-80 | 78.3 | 10 -145 | |
| | 13C-PCB-81 | 78.1 | 10 -145 | |
| | 13C-PCB-95 | 73.5 | 10 -145 | |
| | 13C-PCB-97 | 78.4 | 10 -145 | |
| | 13C-PCB-101 | 76.4 | 10 -145 | |
| | 13C-PCB-104 | 73.3 | 10 -145 | |
| | 13C-PCB-105 | 64.6 | 10 -145 | |
| | 13C-PCB-114 | 68.9 | 10 -145 | |
| | 13C-PCB-118 | 77.0 | 10 -145 | |
| | 13C-PCB-123 | 78.3 | 10 -145 | |
| | 13C-PCB-126 | 66.8 | 10 -145 | |
| | 13C-PCB-127 | 66.3 | 10 -145 | |
| | 13C-PCB-138 | 75.4 | 10 -145 | |
| | 13C-PCB-141 | 74.0 | 10 -145 | |
| | 13C-PCB-153 | 72.8 | 10 -145 | |
| | 13C-PCB-155 | 83.1 | 10 -145 | |
| | 13C-PCB-156 | 77.6 | 10 -145 | |
| | 13C-PCB-157 | 77.9 | 10 -145 | |
| | 13C-PCB-159 | 77.0 | 10 -145 | |
| | 13C-PCB-167 | 76.5 | 10 -145 | |
| | 13C-PCB-169 | 76.6 | 10 -145 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| | 13C-PCB-170 | 79.9 | 10 -145 | |
| | 13C-PCB-180 | 79.6 | 10 -145 | |
| | 13C-PCB-188 | 72.7 | 10 -145 | |
| | 13C-PCB-189 | 82.0 | 10 -145 | |
| | 13C-PCB-194 | 75.4 | 10 -145 | |
| | 13C-PCB-202 | 82.6 | 10 -145 | |
| | 13C-PCB-206 | 89.4 | 10 -145 | |
| | 13C-PCB-208 | 83.5 | 10 -145 | |
| | 13C-PCB-209 | 103 | 10 -145 | |
| CRS | 13C-PCB-79 | 84.8 | 10 -145 | |
| | 13C-PCB-178 | 84.9 | 10 -145 | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

Vista Analytical Laboratory

# Matrix Spike Results

**EPA Method 1668C**

Source Client ID: OWS-SCHU-T171026132034
Source LabNumber: 1701560-05
Matrix: Aqueous
Sample Size: 0.900/0.856 L

QC Batch: B8D0041
Date Extracted: 06-Apr-2018 8:02

Lab Sample: B8D0041-MS1/B8D0041-MSD1
Date Analyzed: 09-Apr-18 21:54 Column: ZB-1
09-Apr-18 22:59 Column: ZB-1

| Analyte | Spike-MS (pg/L) | MS %R | MS Qual. | Spike-MSD (pg/L) | MSD %R | RPD | MSD Qual. | %R Limit | %RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 1110 | 105 | | 1170 | 105 | 0 | | 50 - 150 | 50 |
| PCB-2 | 1110 | 113 | | 1170 | 110 | 2.69 | | 50 - 150 | 50 |
| PCB-3 | 1110 | 112 | | 1170 | 108 | 3.64 | | 50 - 150 | 50 |
| PCB-4/10 | 2220 | 119 | | 2340 | 79.7 | 39.6 | | 50 - 150 | 50 |
| PCB-5/8 | 2220 | 102 | | 2340 | 102 | 0 | | 50 - 150 | 50 |
| PCB-6 | 1110 | 98.0 | | 1170 | 98.0 | 0 | | 50 - 150 | 50 |
| PCB-7/9 | 2220 | 93.6 | | 2340 | 92.7 | 0.966 | | 50 - 150 | 50 |
| PCB-11 | 1110 | 94.0 | B | 1170 | 91.8 | 2.37 | B | 50 - 150 | 50 |
| PCB-12/13 | 2220 | 94.9 | | 2340 | 93.8 | 1.17 | | 50 - 150 | 50 |
| PCB-14 | 1110 | 90.2 | | 1170 | 90.2 | 0 | | 50 - 150 | 50 |
| PCB-15 | 1110 | 102 | | 1170 | 99.5 | 2.48 | | 50 - 150 | 50 |
| PCB-16/32 | 2220 | 91.6 | B | 2340 | 90.3 | 1.43 | B | 50 - 150 | 50 |
| PCB-17 | 1110 | 89.2 | | 1170 | 86.9 | 2.61 | | 50 - 150 | 50 |
| PCB-18 | 1110 | 87.0 | B | 1170 | 83.2 | 4.47 | B | 50 - 150 | 50 |
| PCB-19 | 1110 | 95.8 | | 1170 | 93.5 | 2.43 | | 50 - 150 | 50 |
| PCB-20/21/33 | 3330 | 101 | | 3500 | 90.6 | 10.9 | | 50 - 150 | 50 |
| PCB-22 | 1110 | 101 | | 1170 | 89.8 | 11.7 | | 50 - 150 | 50 |
| PCB-23 | 1110 | 100 | | 1170 | 85.9 | 15.2 | | 50 - 150 | 50 |
| PCB-24/27 | 2220 | 89.0 | | 2340 | 89.3 | 0.337 | | 50 - 150 | 50 |
| PCB-25 | 1110 | 99.7 | | 1170 | 89.2 | 11.1 | | 50 - 150 | 50 |
| PCB-26 | 1110 | 99.9 | | 1170 | 88.0 | 12.7 | | 50 - 150 | 50 |
| PCB-28 | 1110 | 96.5 | | 1170 | 92.0 | 4.77 | | 50 - 150 | 50 |
| PCB-29 | 1110 | 99.5 | | 1170 | 90.1 | 9.92 | | 50 - 150 | 50 |
| PCB-30 | 1110 | 102 | | 1170 | 96.5 | 5.54 | | 50 - 150 | 50 |
| PCB-31 | 1110 | 109 | | 1170 | 84.2 | 25.7 | | 50 - 150 | 50 |
| PCB-34 | 1110 | 98.5 | | 1170 | 93.4 | 5.32 | | 50 - 150 | 50 |
| PCB-35 | 1110 | 97.4 | | 1170 | 95.9 | 1.55 | | 50 - 150 | 50 |
| PCB-36 | 1110 | 95.4 | | 1170 | 91.5 | 4.17 | | 50 - 150 | 50 |
| PCB-37 | 1110 | 96.2 | | 1170 | 95.3 | 0.940 | | 50 - 150 | 50 |
| PCB-38 | 1110 | 94.1 | | 1170 | 93.6 | 0.533 | | 50 - 150 | 50 |
| PCB-39 | 1110 | 92.6 | | 1170 | 92.2 | 0.433 | | 50 - 150 | 50 |
| PCB-40 | 1110 | 107 | | 1170 | 103 | 3.81 | | 50 - 150 | 50 |
| PCB-41/64/71/72 | 4440 | 102 | | 4670 | 100 | 1.98 | | 50 - 150 | 50 |
| PCB-42/59 | 2220 | 100 | | 2340 | 98.9 | 1.11 | | 50 - 150 | 50 |
| PCB-43/49 | 2220 | 99.6 | | 2340 | 98.8 | 0.806 | | 50 - 150 | 50 |
| PCB-44 | 1110 | 105 | | 1170 | 101 | 3.88 | | 50 - 150 | 50 |
| PCB-45 | 1110 | 93.6 | | 1170 | 93.8 | 0.213 | | 50 - 150 | 50 |

| | Labeled Standard | MS %R | MS Qualifiers | MSD %R | MS Qual. |
|---|---|---|---|---|---|
| IS | 13C-PCB-1 | 29.4 | | 37.0 | |
| IS | 13C-PCB-3 | 31.7 | | 36.5 | |
| IS | 13C-PCB-4 | 45.4 | | 51.9 | |
| IS | 13C-PCB-9 | 54.0 | | 57.6 | |
| | 13C-PCB-11 | 65.0 | | 67.9 | |
| IS | 13C-PCB-19 | 58.9 | | 63.1 | |
| IS | 13C-PCB-28 | 66.7 | | 82.4 | |
| IS | 13C-PCB-32 | 70.2 | | 72.8 | |
| IS | 13C-PCB-37 | 73.2 | | 81.0 | |
| IS | 13C-PCB-47 | 79.5 | | 81.6 | |
| IS | 13C-PCB-52 | 79.1 | | 80.8 | |
| IS | 13C-PCB-54 | 66.8 | | 71.2 | |
| IS | 13C-PCB-70 | 83.4 | | 86.0 | |
| IS | 13C-PCB-77 | 89.5 | | 91.6 | |
| IS | 13C-PCB-80 | 83.5 | | 86.9 | |
| IS | 13C-PCB-81 | 87.7 | | 88.2 | |
| IS | 13C-PCB-95 | 76.4 | | 82.8 | |
| IS | 13C-PCB-97 | 83.3 | | 86.0 | |
| IS | 13C-PCB-101 | 78.8 | | 83.1 | |
| IS | 13C-PCB-104 | 74.3 | | 79.1 | |
| IS | 13C-PCB-105 | 81.3 | | 80.2 | |
| IS | 13C-PCB-114 | 80.0 | | 79.3 | |
| IS | 13C-PCB-118 | 84.9 | | 91.0 | |
| IS | 13C-PCB-123 | 88.5 | | 91.9 | |
| IS | 13C-PCB-126 | 81.5 | | 78.9 | |
| IS | 13C-PCB-127 | 80.9 | | 79.6 | |
| IS | 13C-PCB-138 | 84.8 | | 84.9 | |
| IS | 13C-PCB-141 | 83.2 | | 82.8 | |
| IS | 13C-PCB-153 | 81.9 | | 81.8 | |
| IS | 13C-PCB-155 | 89.5 | | 95.9 | |
| IS | 13C-PCB-156 | 87.8 | | 87.5 | |
| IS | 13C-PCB-157 | 87.3 | | 88.9 | |
| IS | 13C-PCB-159 | 87.4 | | 86.6 | |
| IS | 13C-PCB-167 | 85.6 | | 85.9 | |
| IS | 13C-PCB-169 | 85.4 | | 85.7 | |
| IS | 13C-PCB-170 | 89.2 | | 89.5 | |
| IS | 13C-PCB-180 | 88.3 | | 87.4 | |

Vista Analytical Laboratory

# Matrix Spike Results

**EPA Method 1668C**

Source Client ID: OWS-SCHU-T171026132034
Source LabNumber: 1701560-05
Matrix: Aqueous
Sample Size: 0.900/0.856 L

QC Batch: B8D0041
Date Extracted: 06-Apr-2018 8:02

Lab Sample: B8D0041-MS1/B8D0041-MSD1
Date Analyzed: 09-Apr-18 21:54 Column: ZB-1
09-Apr-18 22:59 Column: ZB-1

| Analyte | Spike-MS (pg/L) | MS %R | MS Qual. | Spike-MSD (pg/L) | MSD %R | RPD | MSD Qual. | %R Limit | %RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| PCB-46 | 1110 | 94.0 | | 1170 | 94.9 | 0.953 | | 50 - 150 | 50 |
| PCB-47 | 1110 | 97.8 | | 1170 | 99.9 | 2.12 | | 50 - 150 | 50 |
| PCB-48/75 | 2220 | 98.8 | | 2340 | 96.7 | 2.15 | | 50 - 150 | 50 |
| PCB-50 | 1110 | 110 | | 1170 | 104 | 5.61 | | 50 - 150 | 50 |
| PCB-51 | 1110 | 93.2 | | 1170 | 93.0 | 0.215 | | 50 - 150 | 50 |
| PCB-52/69 | 2220 | 94.9 | | 2340 | 95.4 | 0.525 | | 50 - 150 | 50 |
| PCB-53 | 1110 | 91.1 | | 1170 | 92.1 | 1.09 | | 50 - 150 | 50 |
| PCB-54 | 1110 | 98.7 | | 1170 | 95.8 | 2.98 | | 50 - 150 | 50 |
| PCB-55 | 1110 | 100 | | 1170 | 97.9 | 2.12 | | 50 - 150 | 50 |
| PCB-56/60 | 2220 | 96.4 | | 2340 | 91.8 | 4.89 | | 50 - 150 | 50 |
| PCB-57 | 1110 | 97.4 | | 1170 | 94.8 | 2.71 | | 50 - 150 | 50 |
| PCB-58 | 1110 | 98.1 | | 1170 | 94.1 | 4.16 | | 50 - 150 | 50 |
| PCB-61/70 | 2220 | 96.8 | | 2340 | 94.3 | 2.62 | | 50 - 150 | 50 |
| PCB-62 | 1110 | 109 | | 1170 | 105 | 3.74 | | 50 - 150 | 50 |
| PCB-63 | 1110 | 97.9 | | 1170 | 95.4 | 2.59 | | 50 - 150 | 50 |
| PCB-65 | 1110 | 91.7 | | 1170 | 92.2 | 0.544 | | 50 - 150 | 50 |
| PCB-66/76 | 2220 | 97.5 | | 2340 | 95.3 | 2.28 | | 50 - 150 | 50 |
| PCB-67 | 1110 | 99.3 | | 1170 | 97.3 | 2.03 | | 50 - 150 | 50 |
| PCB-68 | 1110 | 101 | | 1170 | 97.8 | 3.22 | | 50 - 150 | 50 |
| PCB-73 | 1110 | 103 | | 1170 | 101 | 1.96 | | 50 - 150 | 50 |
| PCB-74 | 1110 | 96.6 | | 1170 | 95.8 | 0.832 | | 50 - 150 | 50 |
| PCB-77 | 1110 | 97.5 | | 1170 | 93.3 | 4.40 | | 50 - 150 | 50 |
| PCB-78 | 1110 | 96.5 | | 1170 | 94.4 | 2.20 | | 50 - 150 | 50 |
| PCB-79 | 1110 | 98.7 | | 1170 | 91.9 | 7.14 | | 50 - 150 | 50 |
| PCB-80 | 1110 | 95.7 | | 1170 | 93.9 | 1.90 | | 50 - 150 | 50 |
| PCB-81 | 1110 | 101 | | 1170 | 98.7 | 2.30 | | 50 - 150 | 50 |
| PCB-82 | 1110 | 88.4 | | 1170 | 86.9 | 1.71 | | 50 - 150 | 50 |
| PCB-83 | 1110 | 88.8 | | 1170 | 89.5 | 0.785 | | 50 - 150 | 50 |
| PCB-84/92 | 2220 | 89.7 | | 2340 | 88.2 | 1.69 | | 50 - 150 | 50 |
| PCB-85/116 | 2220 | 97.2 | | 2340 | 92.4 | 5.06 | | 50 - 150 | 50 |
| PCB-86 | 1110 | 97.0 | | 1170 | 97.9 | 0.924 | | 50 - 150 | 50 |
| PCB-87/117/125 | 3330 | 88.0 | | 3500 | 86.2 | 2.07 | | 50 - 150 | 50 |
| PCB-88/91 | 2220 | 89.9 | | 2340 | 90.7 | 0.886 | | 50 - 150 | 50 |
| PCB-89 | 1110 | 89.7 | | 1170 | 88.7 | 1.12 | | 50 - 150 | 50 |
| PCB-90/101 | 2220 | 90.6 | | 2340 | 87.1 | 3.94 | | 50 - 150 | 50 |
| PCB-93 | 1110 | 87.3 | | 1170 | 93.4 | 6.75 | | 50 - 150 | 50 |
| PCB-94 | 1110 | 92.2 | | 1170 | 89.9 | 2.53 | | 50 - 150 | 50 |
| PCB-95/98/102 | 3330 | 91.5 | | 3500 | 87.4 | 4.58 | | 50 - 150 | 50 |

| | Labeled Standard | MS %R | MS Qualifiers | MSD %R | MS Qual. |
|---|---|---|---|---|---|
| IS | 13C-PCB-188 | 81.6 | | 80.9 | |
| IS | 13C-PCB-189 | 90.7 | | 90.6 | |
| IS | 13C-PCB-194 | 84.9 | | 90.6 | |
| IS | 13C-PCB-202 | 102 | | 99.7 | |
| IS | 13C-PCB-206 | 100 | | 105 | |
| IS | 13C-PCB-208 | 90.3 | | 97.2 | |
| IS | 13C-PCB-209 | 115 | | 122 | |
| CRS | 13C-PCB-79 | 95.1 | | 93.4 | |
| CRS | 13C-PCB-178 | 97.9 | | 95.1 | |

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# Matrix Spike Results

**EPA Method 1668C**

Source Client ID: OWS-SCHU-T171026132034
Source LabNumber: 1701560-05
Matrix: Aqueous
Sample Size: 0.900/0.856 L

QC Batch: B8D0041
Date Extracted: 06-Apr-2018 8:02

Lab Sample: B8D0041-MS1/B8D0041-MSD1
Date Analyzed: 09-Apr-18 21:54 Column: ZB-1
09-Apr-18 22:59 Column: ZB-1

| Analyte | Spike-MS (pg/L) | MS %R | MS Qual. | Spike-MSD (pg/L) | MSD %R | RPD | MSD Qual. | %R Limit | %RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| PCB-96 | 1110 | 90.9 | | 1170 | 89.8 | 1.22 | | 50 - 150 | 50 |
| PCB-97 | 1110 | 89.8 | | 1170 | 89.2 | 0.670 | | 50 - 150 | 50 |
| PCB-99 | 1110 | 98.2 | | 1170 | 90.9 | 7.72 | | 50 - 150 | 50 |
| PCB-100 | 1110 | 96.6 | | 1170 | 94.0 | 2.73 | | 50 - 150 | 50 |
| PCB-103 | 1110 | 94.0 | | 1170 | 93.0 | 1.07 | | 50 - 150 | 50 |
| PCB-104 | 1110 | 88.4 | | 1170 | 87.1 | 1.48 | | 50 - 150 | 50 |
| PCB-105 | 1110 | 94.9 | | 1170 | 90.8 | 4.42 | | 50 - 150 | 50 |
| PCB-106/118 | 2220 | 95.0 | | 2340 | 90.7 | 4.63 | | 50 - 150 | 50 |
| PCB-107/109 | 2220 | 86.1 | | 2340 | 89.3 | 3.65 | | 50 - 150 | 50 |
| PCB-108/112 | 2220 | 89.2 | | 2340 | 88.1 | 1.24 | | 50 - 150 | 50 |
| PCB-110 | 1110 | 94.0 | | 1170 | 92.7 | 1.39 | | 50 - 150 | 50 |
| PCB-111/115 | 2220 | 89.2 | | 2340 | 89.3 | 0.112 | | 50 - 150 | 50 |
| PCB-113 | 1110 | 87.1 | | 1170 | 85.5 | 1.85 | | 50 - 150 | 50 |
| PCB-114 | 1110 | 92.9 | | 1170 | 93.6 | 0.751 | | 50 - 150 | 50 |
| PCB-119 | 1110 | 89.8 | | 1170 | 84.9 | 5.61 | | 50 - 150 | 50 |
| PCB-120 | 1110 | 90.2 | | 1170 | 89.3 | 1.00 | | 50 - 150 | 50 |
| PCB-121 | 1110 | 93.9 | | 1170 | 89.7 | 4.58 | | 50 - 150 | 50 |
| PCB-122 | 1110 | 98.0 | | 1170 | 95.8 | 2.27 | | 50 - 150 | 50 |
| PCB-123 | 1110 | 92.5 | | 1170 | 90.4 | 2.30 | | 50 - 150 | 50 |
| PCB-124 | 1110 | 92.7 | | 1170 | 84.9 | 8.78 | | 50 - 150 | 50 |
| PCB-126 | 1110 | 96.8 | | 1170 | 95.3 | 1.56 | | 50 - 150 | 50 |
| PCB-127 | 1110 | 93.8 | | 1170 | 91.9 | 2.05 | | 50 - 150 | 50 |
| PCB-128/162 | 2220 | 93.5 | | 2340 | 93.0 | 0.536 | | 50 - 150 | 50 |
| PCB-129 | 1110 | 96.4 | | 1170 | 93.0 | 3.59 | | 50 - 150 | 50 |
| PCB-130 | 1110 | 107 | | 1170 | 119 | 10.6 | | 50 - 150 | 50 |
| PCB-131/133 | 2220 | 97.9 | | 2340 | 95.9 | 2.06 | | 50 - 150 | 50 |
| PCB-132/161 | 2220 | 98.2 | | 2340 | 95.0 | 3.31 | | 50 - 150 | 50 |
| PCB-134/143 | 2220 | 98.3 | | 2340 | 96.3 | 2.06 | | 50 - 150 | 50 |
| PCB-135 | 1110 | 102 | | 1170 | 101 | 0.985 | | 50 - 150 | 50 |
| PCB-136 | 1110 | 94.7 | | 1170 | 90.8 | 4.20 | | 50 - 150 | 50 |
| PCB-137 | 1110 | 95.3 | | 1170 | 82.9 | 13.9 | | 50 - 150 | 50 |
| PCB-138/163/164 | 3330 | 94.4 | | 3500 | 91.4 | 3.23 | | 50 - 150 | 50 |
| PCB-139/149 | 2220 | 103 | | 2340 | 98.8 | 4.16 | | 50 - 150 | 50 |
| PCB-140 | 1110 | 103 | | 1170 | 100 | 2.96 | | 50 - 150 | 50 |
| PCB-141 | 1110 | 95.8 | | 1170 | 95.2 | 0.628 | | 50 - 150 | 50 |
| PCB-142 | 1110 | 101 | | 1170 | 98.1 | 2.91 | | 50 - 150 | 50 |
| PCB-144 | 1110 | 102 | | 1170 | 98.1 | 3.90 | | 50 - 150 | 50 |
| PCB-145 | 1110 | 96.9 | | 1170 | 90.0 | 7.38 | | 50 - 150 | 50 |

| Labeled Standard | MS %R | MS Qualifiers | MSD %R | MS Qual. |
|---|---|---|---|---|

Vista Analytical Laboratory

# Matrix Spike Results

**EPA Method 1668C**

Source Client ID: OWS-SCHU-T171026132034
Source LabNumber: 1701560-05
Matrix: Aqueous
Sample Size: 0.900/0.856 L

QC Batch: B8D0041
Date Extracted: 06-Apr-2018 8:02

Lab Sample: B8D0041-MS1/B8D0041-MSD1
Date Analyzed: 09-Apr-18 21:54 Column: ZB-1
09-Apr-18 22:59 Column: ZB-1

| Analyte | Spike-MS (pg/L) | MS %R | MS Qual. | Spike-MSD (pg/L) | MSD %R | RPD | MSD Qual. | %R Limit | %RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| PCB-146/165 | 2220 | 97.9 | | 2340 | 94.7 | 3.32 | | 50 - 150 | 50 |
| PCB-147 | 1110 | 105 | | 1170 | 101 | 3.88 | | 50 - 150 | 50 |
| PCB-148 | 1110 | 102 | | 1170 | 92.5 | 9.77 | | 50 - 150 | 50 |
| PCB-150 | 1110 | 94.5 | | 1170 | 88.9 | 6.11 | | 50 - 150 | 50 |
| PCB-151 | 1110 | 103 | | 1170 | 98.3 | 4.67 | | 50 - 150 | 50 |
| PCB-152 | 1110 | 94.6 | | 1170 | 88.8 | 6.32 | | 50 - 150 | 50 |
| PCB-153 | 1110 | 98.6 | | 1170 | 96.1 | 2.57 | | 50 - 150 | 50 |
| PCB-154 | 1110 | 103 | | 1170 | 97.1 | 5.90 | | 50 - 150 | 50 |
| PCB-155 | 1110 | 88.1 | | 1170 | 86.3 | 2.06 | | 50 - 150 | 50 |
| PCB-156 | 1110 | 95.4 | | 1170 | 89.1 | 6.83 | | 50 - 150 | 50 |
| PCB-157 | 1110 | 94.6 | | 1170 | 89.9 | 5.09 | | 50 - 150 | 50 |
| PCB-158/160 | 2220 | 98.2 | | 2340 | 94.6 | 3.73 | | 50 - 150 | 50 |
| PCB-159 | 1110 | 97.6 | | 1170 | 96.1 | 1.55 | | 50 - 150 | 50 |
| PCB-166 | 1110 | 94.1 | | 1170 | 95.5 | 1.48 | | 50 - 150 | 50 |
| PCB-167 | 1110 | 96.0 | | 1170 | 94.0 | 2.11 | | 50 - 150 | 50 |
| PCB-168 | 1110 | 93.3 | | 1170 | 90.4 | 3.16 | | 50 - 150 | 50 |
| PCB-169 | 1110 | 95.4 | | 1170 | 93.5 | 2.01 | | 50 - 150 | 50 |
| PCB-170 | 1110 | 96.9 | | 1170 | 94.5 | 2.51 | | 50 - 150 | 50 |
| PCB-171 | 1110 | 93.4 | | 1170 | 91.9 | 1.62 | | 50 - 150 | 50 |
| PCB-172 | 1110 | 97.2 | | 1170 | 97.0 | 0.206 | | 50 - 150 | 50 |
| PCB-173 | 1110 | 96.1 | | 1170 | 95.5 | 0.626 | | 50 - 150 | 50 |
| PCB-174 | 1110 | 91.1 | | 1170 | 92.1 | 1.09 | | 50 - 150 | 50 |
| PCB-175 | 1110 | 103 | | 1170 | 102 | 0.976 | | 50 - 150 | 50 |
| PCB-176 | 1110 | 96.3 | | 1170 | 95.7 | 0.625 | | 50 - 150 | 50 |
| PCB-177 | 1110 | 97.5 | | 1170 | 96.7 | 0.824 | | 50 - 150 | 50 |
| PCB-178 | 1110 | 101 | | 1170 | 99.8 | 1.20 | | 50 - 150 | 50 |
| PCB-179 | 1110 | 97.1 | | 1170 | 94.8 | 2.40 | | 50 - 150 | 50 |
| PCB-180 | 1110 | 95.8 | | 1170 | 94.4 | 1.47 | | 50 - 150 | 50 |
| PCB-181 | 1110 | 103 | | 1170 | 99.0 | 3.96 | | 50 - 150 | 50 |
| PCB-182/187 | 2220 | 101 | | 2340 | 98.2 | 2.81 | | 50 - 150 | 50 |
| PCB-183 | 1110 | 97.7 | | 1170 | 96.2 | 1.55 | | 50 - 150 | 50 |
| PCB-184 | 1110 | 95.9 | | 1170 | 95.5 | 0.418 | | 50 - 150 | 50 |
| PCB-185 | 1110 | 96.1 | | 1170 | 95.0 | 1.15 | | 50 - 150 | 50 |
| PCB-186 | 1110 | 100 | | 1170 | 97.4 | 2.63 | | 50 - 150 | 50 |
| PCB-188 | 1110 | 93.0 | | 1170 | 91.0 | 2.17 | | 50 - 150 | 50 |
| PCB-189 | 1110 | 92.3 | | 1170 | 91.1 | 1.31 | | 50 - 150 | 50 |
| PCB-190 | 1110 | 98.4 | | 1170 | 96.0 | 2.47 | | 50 - 150 | 50 |
| PCB-191 | 1110 | 98.3 | | 1170 | 97.9 | 0.408 | | 50 - 150 | 50 |

| Labeled Standard | MS %R | MS Qualifiers | MSD %R | MS Qual. |
|---|---|---|---|---|

Vista Analytical Laboratory

# Matrix Spike Results

**EPA Method 1668C**

Source Client ID: OWS-SCHU-T171026132034
Source LabNumber: 1701560-05
Matrix: Aqueous
Sample Size: 0.900/0.856 L

QC Batch: B8D0041
Date Extracted: 06-Apr-2018 8:02

Lab Sample: B8D0041-MS1/B8D0041-MSD1
Date Analyzed: 09-Apr-18 21:54 Column: ZB-1
09-Apr-18 22:59 Column: ZB-1

| Analyte | Spike-MS (pg/L) | MS %R | MS Qual. | Spike-MSD (pg/L) | MSD %R | RPD | MSD Qual. | %R Limit | %RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| PCB-192 | 1110 | 101 | | 1170 | 99.1 | 1.90 | | 50 - 150 | 50 |
| PCB-193 | 1110 | 95.1 | | 1170 | 93.8 | 1.38 | | 50 - 150 | 50 |
| PCB-194 | 1110 | 94.7 | B | 1170 | 92.3 | 2.57 | B | 50 - 150 | 50 |
| PCB-195 | 1110 | 95.9 | | 1170 | 94.5 | 1.47 | | 50 - 150 | 50 |
| PCB-196/203 | 2220 | 94.6 | | 2340 | 94.2 | 0.424 | | 50 - 150 | 50 |
| PCB-197 | 1110 | 89.8 | | 1170 | 88.2 | 1.80 | | 50 - 150 | 50 |
| PCB-198 | 1110 | 94.2 | | 1170 | 94.8 | 0.635 | | 50 - 150 | 50 |
| PCB-199 | 1110 | 91.6 | | 1170 | 90.3 | 1.43 | | 50 - 150 | 50 |
| PCB-200 | 1110 | 92.8 | | 1170 | 91.6 | 1.30 | | 50 - 150 | 50 |
| PCB-201 | 1110 | 97.0 | | 1170 | 94.4 | 2.72 | | 50 - 150 | 50 |
| PCB-202 | 1110 | 93.8 | | 1170 | 92.9 | 0.964 | | 50 - 150 | 50 |
| PCB-204 | 1110 | 92.3 | | 1170 | 92.1 | 0.217 | | 50 - 150 | 50 |
| PCB-205 | 1110 | 97.6 | | 1170 | 92.8 | 5.04 | | 50 - 150 | 50 |
| PCB-206 | 1110 | 99.0 | | 1170 | 95.3 | 3.81 | | 50 - 150 | 50 |
| PCB-207 | 1110 | 101 | | 1170 | 97.9 | 3.12 | | 50 - 150 | 50 |
| PCB-208 | 1110 | 99.2 | | 1170 | 95.9 | 3.38 | | 50 - 150 | 50 |
| PCB-209 | 1110 | 93.8 | | 1170 | 91.2 | 2.81 | | 50 - 150 | 50 |

| Labeled Standard | MS %R | MS Qualifiers | MSD %R | MS Qual. |
|---|---|---|---|---|

## Sample ID: OWS-THIS-T171026131900 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 9:56

**Sample Data**
Matrix: Water
Sample Size: 0.942 L

**Laboratory Data**
Lab Sample: 1701560-06 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 05:30 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-1 | 34.8 | 5.31 | | |
| PCB-2 | ND | 5.31 | 1.78 | U |
| PCB-3 | ND | 5.31 | 5.10 | UM |
| PCB-4/10 | 3360 | 10.6 | | |
| PCB-5/8 | 20.4 | 10.6 | | |
| PCB-6 | 5.25 | 5.31 | | J |
| PCB-7/9 | ND | 10.6 | 2.81 | U |
| PCB-11 | 5.94 | 5.31 | | B |
| PCB-12/13 | ND | 10.6 | 6.76 | U |
| PCB-14 | ND | 5.31 | 1.70 | U |
| PCB-15 | 56.3 | 5.31 | | |
| PCB-16/32 | 150 | 10.6 | | B |
| PCB-17 | 60.2 | 5.31 | | |
| PCB-18 | 107 | 5.31 | | B |
| PCB-19 | 1010 | 5.31 | | |
| PCB-20/21/33 | 10.0 | 15.9 | | J |
| PCB-22 | 9.22 | 5.31 | | |
| PCB-23 | ND | 5.31 | 0.684 | U |
| PCB-24/27 | 229 | 10.6 | | |
| PCB-25 | 5.91 | 5.31 | | |
| PCB-26 | 28.8 | 5.31 | | |
| PCB-28 | 46.5 | 5.31 | | |
| PCB-29 | ND | 5.31 | 0.674 | U |
| PCB-30 | ND | 5.31 | 0.839 | U |
| PCB-31 | 33.7 | 5.31 | | |
| PCB-34 | 2.10 | 5.31 | | J |
| PCB-35 | 0.725 | 5.31 | | J |
| PCB-36 | ND | 5.31 | 0.555 | U |
| PCB-37 | 21.0 | 5.31 | | |
| PCB-38 | 2.24 | 5.31 | | J |
| PCB-39 | 1.36 | 5.31 | | J |
| PCB-40 | 27.7 | 5.31 | | |
| PCB-41/64/71/72 | 122 | 21.2 | | |
| PCB-42/59 | 46.8 | 10.6 | | |
| PCB-43/49 | 119 | 10.6 | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-44 | 103 | 5.31 | | |
| PCB-45 | 37.8 | 5.31 | | |
| PCB-46 | 14.9 | 5.31 | | |
| PCB-47 | 93.0 | 5.31 | | |
| PCB-48/75 | 16.2 | 10.6 | | |
| PCB-50 | 3.32 | 5.31 | | J |
| PCB-51 | 22.2 | 5.31 | | |
| PCB-52/69 | 160 | 10.6 | | |
| PCB-53 | 95.0 | 5.31 | | |
| PCB-54 | 16.8 | 5.31 | | |
| PCB-55 | 0.759 | 5.31 | | J |
| PCB-56/60 | 33.3 | 10.6 | | |
| PCB-57 | 0.882 | 5.31 | | J |
| PCB-58 | ND | 5.31 | 0.522 | U |
| PCB-61/70 | 42.7 | 10.6 | | |
| PCB-62 | ND | 5.31 | 0.675 | U |
| PCB-63 | 7.16 | 5.31 | | |
| PCB-65 | 0.714 | 5.31 | | J |
| PCB-66/76 | 53.9 | 10.6 | | |
| PCB-67 | ND | 5.31 | 3.04 | UM |
| PCB-68 | 3.33 | 5.31 | | J |
| PCB-73 | 4.55 | 5.31 | | J |
| PCB-74 | 32.4 | 5.31 | | |
| PCB-77 | 5.97 | 5.31 | | |
| PCB-78 | ND | 5.31 | 0.574 | U |
| PCB-79 | 0.601 | 5.31 | | J |
| PCB-80 | ND | 5.31 | 0.509 | U |
| PCB-81 | ND | 5.31 | 0.654 | U |
| PCB-82 | 6.85 | 5.31 | | |
| PCB-83 | ND | 5.31 | 0.609 | U |
| PCB-84/92 | 31.9 | 10.6 | | |
| PCB-85/116 | 10.1 | 10.6 | | J |
| PCB-86 | ND | 5.31 | 0.987 | U |
| PCB-87/117/125 | 19.0 | 15.9 | | |
| PCB-88/91 | 16.9 | 5.31 | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-THIS-T171026131900 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 9:56

**Sample Data**
Matrix: Water
Sample Size: 0.942 L

**Laboratory Data**
Lab Sample: 1701560-06 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 05:30 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-89 | 1.66 | 5.31 | | J |
| PCB-90/101 | 46.2 | 10.6 | | |
| PCB-93 | ND | 5.31 | 1.02 | U |
| PCB-94 | 3.29 | 5.31 | | J |
| PCB-95/98/102 | 53.1 | 15.9 | | |
| PCB-96 | 2.24 | 5.31 | | J |
| PCB-97 | 16.4 | 5.31 | | |
| PCB-99 | 22.5 | 5.31 | | |
| PCB-100 | ND | 5.31 | 1.20 | UM |
| PCB-103 | 2.41 | 5.31 | | J |
| PCB-104 | ND | 5.31 | 0.703 | U |
| PCB-105 | 14.5 | 5.31 | | |
| PCB-106/118 | 30.2 | 10.6 | | |
| PCB-107/109 | 3.08 | 10.6 | | J |
| PCB-108/112 | 4.64 | 10.6 | | J |
| PCB-110 | 51.7 | 5.31 | | |
| PCB-111/115 | ND | 10.6 | 0.784 | UM |
| PCB-113 | 0.747 | 5.31 | | J |
| PCB-114 | 1.27 | 5.31 | | J |
| PCB-119 | 1.90 | 5.31 | | J |
| PCB-120 | ND | 5.31 | 0.537 | U |
| PCB-121 | ND | 5.31 | 0.561 | U |
| PCB-122 | ND | 5.31 | 0.785 | U |
| PCB-123 | 0.966 | 5.31 | | J |
| PCB-124 | 1.39 | 5.31 | | J |
| PCB-126 | ND | 5.31 | 0.801 | U |
| PCB-127 | ND | 5.31 | 0.816 | U |
| PCB-128/162 | 3.88 | 10.6 | | J |
| PCB-129 | ND | 5.31 | 0.969 | UM |
| PCB-130 | 2.40 | 5.31 | | J |
| PCB-131/133 | 1.67 | 10.6 | | J |
| PCB-132/161 | 8.12 | 10.6 | | J |
| PCB-134/143 | 2.30 | 10.6 | | J |
| PCB-135 | 4.58 | 5.31 | | J |
| PCB-136 | 3.95 | 5.31 | | J |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-137 | 1.17 | 5.31 | | J |
| PCB-138/163/164 | 22.4 | 15.9 | | |
| PCB-139/149 | 17.9 | 10.6 | | |
| PCB-140 | ND | 5.31 | 0.754 | U |
| PCB-141 | 3.30 | 5.31 | | J |
| PCB-142 | ND | 5.31 | 0.556 | U |
| PCB-144 | 1.13 | 5.31 | | J |
| PCB-145 | ND | 5.31 | 0.513 | U |
| PCB-146/165 | 4.17 | 10.6 | | J |
| PCB-147 | 1.57 | 5.31 | | J |
| PCB-148 | ND | 5.31 | 0.748 | U |
| PCB-150 | ND | 5.31 | 0.565 | U |
| PCB-151 | 8.11 | 5.31 | | |
| PCB-152 | ND | 5.31 | 0.500 | U |
| PCB-153 | 15.3 | 5.31 | | |
| PCB-154 | 0.991 | 5.31 | | J |
| PCB-155 | ND | 5.31 | 0.586 | U |
| PCB-156 | 2.06 | 5.31 | | J |
| PCB-157 | 0.587 | 5.31 | | J |
| PCB-158/160 | 2.47 | 10.6 | | J |
| PCB-159 | ND | 5.31 | 0.309 | U |
| PCB-166 | ND | 5.31 | 0.318 | U |
| PCB-167 | 1.31 | 5.31 | | J |
| PCB-168 | ND | 5.31 | 0.364 | U |
| PCB-169 | ND | 5.31 | 0.331 | U |
| PCB-170 | 3.34 | 5.31 | | J |
| PCB-171 | 1.21 | 5.31 | | J |
| PCB-172 | 0.688 | 5.31 | | J |
| PCB-173 | ND | 5.31 | 0.433 | U |
| PCB-174 | 3.03 | 5.31 | | J |
| PCB-175 | ND | 5.31 | 0.427 | U |
| PCB-176 | ND | 5.31 | 0.326 | U |
| PCB-177 | ND | 5.31 | 1.97 | UM |
| PCB-178 | 2.02 | 5.31 | | J |
| PCB-179 | 1.85 | 5.31 | | J |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-THIS-T171026131900 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 9:56

**Sample Data**
Matrix: Water
Sample Size: 0.942 L

**Laboratory Data**
Lab Sample: 1701560-06 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 05:30 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | 5.39 | 5.31 | | |
| PCB-181 | ND | 5.31 | 0.373 | U |
| PCB-182/187 | 4.84 | 10.6 | | J |
| PCB-183 | ND | 5.31 | 1.45 | UM |
| PCB-184 | ND | 5.31 | 0.323 | U |
| PCB-185 | ND | 5.31 | 0.406 | U |
| PCB-186 | ND | 5.31 | 0.300 | U |
| PCB-188 | ND | 5.31 | 0.311 | U |
| PCB-189 | ND | 5.31 | 0.278 | U |
| PCB-190 | ND | 5.31 | 0.531 | UM |
| PCB-191 | ND | 5.31 | 0.316 | U |
| PCB-192 | ND | 5.31 | 0.305 | U |
| PCB-193 | ND | 5.31 | 0.321 | U |
| PCB-194 | 2.08 | 5.31 | | J, B |
| PCB-195 | ND | 5.31 | 0.630 | UM |
| PCB-196/203 | 2.56 | 10.6 | | J |
| PCB-197 | ND | 5.31 | 0.408 | U |
| PCB-198 | ND | 5.31 | 0.534 | U |
| PCB-199 | 1.94 | 5.31 | | J |
| PCB-200 | ND | 5.31 | 0.431 | U |
| PCB-201 | ND | 5.31 | 0.459 | U |
| PCB-202 | 0.753 | 5.31 | | J |
| PCB-204 | ND | 5.31 | 0.419 | U |
| PCB-205 | ND | 5.31 | 0.284 | U |
| PCB-206 | ND | 5.31 | 1.13 | UM |
| PCB-207 | ND | 5.31 | 0.303 | U |
| PCB-208 | ND | 5.31 | 0.477 | UM |
| PCB-209 | ND | 5.31 | 0.433 | UM |
| Total monoCB | 34.8 | | | |
| Total diCB | 3450 | | | |
| Total triCB | 1710 | | | |
| Total tetraCB | 1060 | | | |
| Total pentaCB | 343 | | | |
| Total hexaCB | 109 | | | |
| Total heptaCB | 22.4 | | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | 7.33 | | | |
| Total nonaCB | ND | | 1.61 | UM |
| DecaCB | ND | | 0.433 | UM |
| Total PCB | 6750 | | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-THIS-T171026131900 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 9:56

**Sample Data**
Matrix: Water
Sample Size: 0.942 L

**Laboratory Data**
Lab Sample: 1701560-06 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 05:30 Column: ZB-1

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 30.7 | 5 -145 | |
| | 13C-PCB-3 | 30.8 | 5 -145 | |
| | 13C-PCB-4 | 46.8 | 5 -145 | |
| | 13C-PCB-11 | 65.8 | 5 -145 | |
| | 13C-PCB-9 | 54.1 | 5 -145 | |
| | 13C-PCB-19 | 55.3 | 5 -145 | |
| | 13C-PCB-28 | 74.8 | 5 -145 | |
| | 13C-PCB-32 | 67.3 | 5 -145 | |
| | 13C-PCB-37 | 81.4 | 5 -145 | |
| | 13C-PCB-47 | 80.3 | 5 -145 | |
| | 13C-PCB-52 | 80.8 | 5 -145 | |
| | 13C-PCB-54 | 67.7 | 5 -145 | |
| | 13C-PCB-70 | 85.4 | 5 -145 | |
| | 13C-PCB-77 | 85.7 | 10 -145 | |
| | 13C-PCB-80 | 86.7 | 10 -145 | |
| | 13C-PCB-81 | 83.7 | 10 -145 | |
| | 13C-PCB-95 | 87.9 | 10 -145 | |
| | 13C-PCB-97 | 86.5 | 10 -145 | |
| | 13C-PCB-101 | 88.5 | 10 -145 | |
| | 13C-PCB-104 | 82.4 | 10 -145 | |
| | 13C-PCB-105 | 77.0 | 10 -145 | |
| | 13C-PCB-114 | 78.9 | 10 -145 | |
| | 13C-PCB-118 | 93.3 | 10 -145 | |
| | 13C-PCB-123 | 95.3 | 10 -145 | |
| | 13C-PCB-126 | 76.1 | 10 -145 | |
| | 13C-PCB-127 | 72.9 | 10 -145 | |
| | 13C-PCB-138 | 87.5 | 10 -145 | |
| | 13C-PCB-141 | 86.8 | 10 -145 | |
| | 13C-PCB-153 | 83.8 | 10 -145 | |
| | 13C-PCB-155 | 100 | 10 -145 | |
| | 13C-PCB-156 | 90.8 | 10 -145 | |
| | 13C-PCB-157 | 90.7 | 10 -145 | |
| | 13C-PCB-159 | 90.3 | 10 -145 | |
| | 13C-PCB-167 | 89.5 | 10 -145 | |
| | 13C-PCB-169 | 88.2 | 10 -145 | |
| | 13C-PCB-170 | 91.3 | 10 -145 | |
| | 13C-PCB-180 | 91.0 | 10 -145 | |
| | 13C-PCB-188 | 82.0 | 10 -145 | |
| | 13C-PCB-189 | 91.6 | 10 -145 | |
| | 13C-PCB-194 | 87.5 | 10 -145 | |
| | 13C-PCB-202 | 93.4 | 10 -145 | |
| | 13C-PCB-206 | 101 | 10 -145 | |
| | 13C-PCB-208 | 95.9 | 10 -145 | |
| | 13C-PCB-209 | 119 | 10 -145 | |
| CRS | 13C-PCB-79 | 94.2 | 10 -145 | |
| | 13C-PCB-178 | 98.1 | 10 -145 | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-WAFO-T171026132220 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.936 L

**Laboratory Data**
Lab Sample: 1701560-07 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 08:57 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-1 | 93.8 | 5.34 | | |
| PCB-2 | 1.72 | 5.34 | | J |
| PCB-3 | 20.4 | 5.34 | | |
| PCB-4/10 | 10000 | 10.7 | | |
| PCB-5/8 | 69.5 | 10.7 | | |
| PCB-6 | 19.6 | 5.34 | | |
| PCB-7/9 | 5.79 | 10.7 | | J |
| PCB-11 | 13.4 | 5.34 | | B |
| PCB-12/13 | 18.4 | 10.7 | | |
| PCB-14 | ND | 5.34 | 1.30 | U |
| PCB-15 | 195 | 5.34 | | |
| PCB-16/32 | 339 | 10.7 | | B |
| PCB-17 | 327 | 5.34 | | |
| PCB-18 | 385 | 5.34 | | B |
| PCB-19 | 1790 | 5.34 | | |
| PCB-20/21/33 | 22.6 | 16.0 | | |
| PCB-22 | 23.9 | 5.34 | | |
| PCB-23 | ND | 5.34 | 0.600 | U |
| PCB-24/27 | 593 | 10.7 | | |
| PCB-25 | 45.9 | 5.34 | | |
| PCB-26 | 203 | 5.34 | | |
| PCB-28 | 198 | 5.34 | | |
| PCB-29 | ND | 5.34 | 0.592 | U |
| PCB-30 | ND | 5.34 | 0.256 | U |
| PCB-31 | 291 | 5.34 | | |
| PCB-34 | 11.2 | 5.34 | | |
| PCB-35 | 1.50 | 5.34 | | J |
| PCB-36 | 0.754 | 5.34 | | J |
| PCB-37 | 50.0 | 5.34 | | |
| PCB-38 | 6.26 | 5.34 | | |
| PCB-39 | 3.65 | 5.34 | | J |
| PCB-40 | 49.5 | 5.34 | | |
| PCB-41/64/71/72 | 265 | 21.4 | | |
| PCB-42/59 | 101 | 10.7 | | |
| PCB-43/49 | 435 | 10.7 | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-44 | 179 | 5.34 | | |
| PCB-45 | 83.5 | 5.34 | | |
| PCB-46 | 29.4 | 5.34 | | |
| PCB-47 | 297 | 5.34 | | |
| PCB-48/75 | 30.3 | 10.7 | | |
| PCB-50 | 5.77 | 5.34 | | |
| PCB-51 | 50.8 | 5.34 | | |
| PCB-52/69 | 507 | 10.7 | | |
| PCB-53 | 274 | 5.34 | | |
| PCB-54 | 26.5 | 5.34 | | |
| PCB-55 | 2.53 | 5.34 | | J |
| PCB-56/60 | 77.6 | 10.7 | | |
| PCB-57 | 3.16 | 5.34 | | J |
| PCB-58 | 0.924 | 5.34 | | J |
| PCB-61/70 | 115 | 10.7 | | |
| PCB-62 | ND | 5.34 | 0.692 | U |
| PCB-63 | 19.8 | 5.34 | | |
| PCB-65 | 1.53 | 5.34 | | J |
| PCB-66/76 | 118 | 10.7 | | |
| PCB-67 | 7.89 | 5.34 | | |
| PCB-68 | 11.1 | 5.34 | | |
| PCB-73 | 12.7 | 5.34 | | |
| PCB-74 | 58.1 | 5.34 | | |
| PCB-77 | 12.5 | 5.34 | | |
| PCB-78 | 0.854 | 5.34 | | J |
| PCB-79 | 1.62 | 5.34 | | J |
| PCB-80 | ND | 5.34 | 0.555 | U |
| PCB-81 | ND | 5.34 | 0.695 | U |
| PCB-82 | 10.9 | 5.34 | | |
| PCB-83 | ND | 5.34 | 0.716 | U |
| PCB-84/92 | 85.9 | 10.7 | | |
| PCB-85/116 | 20.8 | 10.7 | | |
| PCB-86 | 1.15 | 5.34 | | J |
| PCB-87/117/125 | 37.4 | 16.0 | | |
| PCB-88/91 | 48.7 | 5.34 | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-WAFO-T171026132220 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.936 L

**Laboratory Data**
Lab Sample: 1701560-07 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 08:57 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-89 | 2.07 | 5.34 | | J |
| PCB-90/101 | 99.1 | 10.7 | | |
| PCB-93 | ND | 5.34 | 1.20 | U |
| PCB-94 | 10.7 | 5.34 | | |
| PCB-95/98/102 | 131 | 16.0 | | |
| PCB-96 | ND | 5.34 | 5.34 | UM |
| PCB-97 | 28.5 | 5.34 | | |
| PCB-99 | 49.6 | 5.34 | | |
| PCB-100 | ND | 5.34 | 5.22 | UM |
| PCB-103 | 5.73 | 5.34 | | |
| PCB-104 | ND | 5.34 | 0.830 | U |
| PCB-105 | 28.6 | 5.34 | | |
| PCB-106/118 | 63.0 | 10.7 | | |
| PCB-107/109 | 6.52 | 10.7 | | J |
| PCB-108/112 | 10.4 | 10.7 | | J |
| PCB-110 | 103 | 5.34 | | |
| PCB-111/115 | 1.92 | 10.7 | | J |
| PCB-113 | 1.27 | 5.34 | | J |
| PCB-114 | 1.90 | 5.34 | | J |
| PCB-119 | 4.57 | 5.34 | | J |
| PCB-120 | ND | 5.34 | 0.703 | UM |
| PCB-121 | ND | 5.34 | 0.662 | U |
| PCB-122 | 1.36 | 5.34 | | J |
| PCB-123 | 1.92 | 5.34 | | J |
| PCB-124 | 2.88 | 5.34 | | J |
| PCB-126 | 0.982 | 5.34 | | J |
| PCB-127 | ND | 5.34 | 0.676 | U |
| PCB-128/162 | ND | 10.7 | 8.27 | UM |
| PCB-129 | ND | 5.34 | 2.30 | UM |
| PCB-130 | 5.10 | 5.34 | | J |
| PCB-131/133 | 5.43 | 10.7 | | J |
| PCB-132/161 | 16.3 | 10.7 | | |
| PCB-134/143 | 6.18 | 10.7 | | J |
| PCB-135 | 11.4 | 5.34 | | |
| PCB-136 | 13.4 | 5.34 | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-137 | 3.25 | 5.34 | | J |
| PCB-138/163/164 | 58.3 | 16.0 | | |
| PCB-139/149 | 41.5 | 10.7 | | |
| PCB-140 | 1.02 | 5.34 | | J |
| PCB-141 | 6.46 | 5.34 | | |
| PCB-142 | ND | 5.34 | 0.833 | U |
| PCB-144 | 1.44 | 5.34 | | J |
| PCB-145 | ND | 5.34 | 0.486 | U |
| PCB-146/165 | 11.8 | 10.7 | | |
| PCB-147 | 4.07 | 5.34 | | J |
| PCB-148 | ND | 5.34 | 0.709 | U |
| PCB-150 | ND | 5.34 | 0.535 | U |
| PCB-151 | 21.3 | 5.34 | | |
| PCB-152 | ND | 5.34 | 0.474 | U |
| PCB-153 | 41.8 | 5.34 | | |
| PCB-154 | 2.72 | 5.34 | | J |
| PCB-155 | ND | 5.34 | 0.554 | U |
| PCB-156 | 4.89 | 5.34 | | J |
| PCB-157 | ND | 5.34 | 1.37 | UM |
| PCB-158/160 | 4.87 | 10.7 | | J |
| PCB-159 | 0.701 | 5.34 | | J |
| PCB-166 | ND | 5.34 | 0.453 | U |
| PCB-167 | 1.87 | 5.34 | | J |
| PCB-168 | ND | 5.34 | 0.546 | U |
| PCB-169 | ND | 5.34 | 0.477 | U |
| PCB-170 | 7.86 | 5.34 | | |
| PCB-171 | ND | 5.34 | 1.67 | UM |
| PCB-172 | 1.56 | 5.34 | | J |
| PCB-173 | ND | 5.34 | 0.375 | U |
| PCB-174 | 7.48 | 5.34 | | |
| PCB-175 | ND | 5.34 | 0.385 | U |
| PCB-176 | 1.25 | 5.34 | | J |
| PCB-177 | 6.79 | 5.34 | | |
| PCB-178 | 6.54 | 5.34 | | |
| PCB-179 | 6.06 | 5.34 | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-WAFO-T171026132220 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.936 L

**Laboratory Data**
Lab Sample: 1701560-07 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 08:57 Column: ZB-1

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| PCB-180 | 13.6 | 5.34 | | |
| PCB-181 | ND | 5.34 | 0.322 | U |
| PCB-182/187 | 17.2 | 10.7 | | |
| PCB-183 | 3.35 | 5.34 | | J |
| PCB-184 | ND | 5.34 | 0.291 | U |
| PCB-185 | 1.09 | 5.34 | | J |
| PCB-186 | ND | 5.34 | 0.270 | U |
| PCB-188 | ND | 5.34 | 0.280 | U |
| PCB-189 | ND | 5.34 | 0.242 | U |
| PCB-190 | ND | 5.34 | 1.77 | UM |
| PCB-191 | ND | 5.34 | 0.273 | U |
| PCB-192 | ND | 5.34 | 0.263 | U |
| PCB-193 | ND | 5.34 | 0.794 | UM |
| PCB-194 | 4.32 | 5.34 | | J, B |
| PCB-195 | ND | 5.34 | 1.97 | UM |
| PCB-196/203 | ND | 10.7 | 6.18 | UM |
| PCB-197 | ND | 5.34 | 0.529 | U |
| PCB-198 | ND | 5.34 | 0.690 | U |
| PCB-199 | 8.20 | 5.34 | | |
| PCB-200 | 1.10 | 5.34 | | J |
| PCB-201 | ND | 5.34 | 0.984 | UM |
| PCB-202 | 3.30 | 5.34 | | J |
| PCB-204 | ND | 5.34 | 0.543 | U |
| PCB-205 | ND | 5.34 | 0.368 | U |
| PCB-206 | 6.12 | 5.34 | | |
| PCB-207 | ND | 5.34 | 0.520 | UM |
| PCB-208 | ND | 5.34 | 2.49 | UM |
| PCB-209 | 3.58 | 5.34 | | J |
| Total monoCB | 116 | | | |
| Total diCB | 10300 | | | |
| Total triCB | 4290 | | | |
| Total tetraCB | 2780 | | | |
| Total pentaCB | 760 | | | |
| Total hexaCB | 264 | | | |
| Total heptaCB | 72.8 | | | |

| Analyte | Conc. (pg/L) | RL | DL | Qualifiers |
|---|---|---|---|---|
| Total octaCB | 16.9 | | | |
| Total nonaCB | 6.12 | | | |
| DecaCB | 3.58 | | | |
| Total PCB | 18700 | | | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

## Sample ID: OWS-WAFO-T171026132220 — EPA Method 1668C

**Client Data**
Name: General Electric Company
Project: Hudson River RAMP
Date Collected: 26-Oct-2017 11:58

**Sample Data**
Matrix: Water
Sample Size: 0.936 L

**Laboratory Data**
Lab Sample: 1701560-07 — Date Received: 27-Oct-2017 9:00
QC Batch: B8D0041 — Date Extracted: 06-Apr-2018 8:02
Date Analyzed : 10-Apr-18 08:57 Column: ZB-1

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-PCB-1 | 58.6 | 5 -145 | |
| | 13C-PCB-3 | 58.3 | 5 -145 | |
| | 13C-PCB-4 | 73.8 | 5 -145 | |
| | 13C-PCB-11 | 87.6 | 5 -145 | |
| | 13C-PCB-9 | 79.8 | 5 -145 | |
| | 13C-PCB-19 | 91.3 | 5 -145 | |
| | 13C-PCB-28 | 87.7 | 5 -145 | |
| | 13C-PCB-32 | 94.6 | 5 -145 | |
| | 13C-PCB-37 | 87.5 | 5 -145 | |
| | 13C-PCB-47 | 88.6 | 5 -145 | |
| | 13C-PCB-52 | 90.2 | 5 -145 | |
| | 13C-PCB-54 | 85.8 | 5 -145 | |
| | 13C-PCB-70 | 92.3 | 5 -145 | |
| | 13C-PCB-77 | 90.5 | 10 -145 | |
| | 13C-PCB-80 | 91.7 | 10 -145 | |
| | 13C-PCB-81 | 90.3 | 10 -145 | |
| | 13C-PCB-95 | 92.3 | 10 -145 | |
| | 13C-PCB-97 | 94.6 | 10 -145 | |
| | 13C-PCB-101 | 93.2 | 10 -145 | |
| | 13C-PCB-104 | 87.5 | 10 -145 | |
| | 13C-PCB-105 | 86.6 | 10 -145 | |
| | 13C-PCB-114 | 82.1 | 10 -145 | |
| | 13C-PCB-118 | 88.4 | 10 -145 | |
| | 13C-PCB-123 | 91.2 | 10 -145 | |
| | 13C-PCB-126 | 87.7 | 10 -145 | |
| | 13C-PCB-127 | 86.4 | 10 -145 | |
| | 13C-PCB-138 | 89.6 | 10 -145 | |
| | 13C-PCB-141 | 87.9 | 10 -145 | |
| | 13C-PCB-153 | 84.1 | 10 -145 | |
| | 13C-PCB-155 | 104 | 10 -145 | |
| | 13C-PCB-156 | 92.2 | 10 -145 | |
| | 13C-PCB-157 | 92.8 | 10 -145 | |
| | 13C-PCB-159 | 93.0 | 10 -145 | |
| | 13C-PCB-167 | 92.3 | 10 -145 | |
| | 13C-PCB-169 | 90.0 | 10 -145 | |
| | 13C-PCB-170 | 95.9 | 10 -145 | |
| | 13C-PCB-180 | 96.5 | 10 -145 | |
| | 13C-PCB-188 | 86.2 | 10 -145 | |
| | 13C-PCB-189 | 95.3 | 10 -145 | |
| | 13C-PCB-194 | 90.3 | 10 -145 | |
| | 13C-PCB-202 | 107 | 10 -145 | |
| | 13C-PCB-206 | 102 | 10 -145 | |
| | 13C-PCB-208 | 93.1 | 10 -145 | |
| | 13C-PCB-209 | 118 | 10 -145 | |
| CRS | 13C-PCB-79 | 101 | 10 -145 | |
| | 13C-PCB-178 | 102 | 10 -145 | |

RL - Reporting limit
DL - Sample specifc estimated detection limit
LCL-UCL- Lower control limit - upper control limit
See individual congeners for qualifiers.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| **B** | **This compound was also detected in the method blank.** |
| **D** | **Dilution** |
| **E** | **The associated compound concentration exceeded the calibration range of the instrument.** |
| **H** | **Recovery and/or RPD was outside laboratory acceptance limits.** |
| **I** | **Chemical Interference** |
| **J** | **The amount detected is below the Reporting Limit/LOQ.** |
| **M** | **Estimated Maximum Possible Concentration. (CA Region 2 projects only)** |
| ***** | **See Cover Letter** |
| **Conc.** | **Concentration** |
| **NA** | **Not applicable** |
| **ND** | **Not Detected** |
| **TEQ** | **Toxic Equivalency** |
| **U** | **Not Detected (specific projects only)** |

**Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.**

## CERTIFICATIONS

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 17-015-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005 | 3091.01 |
| Florida Department of Health | E87777-18 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2016026 |
| Minnesota Department of Health | 1322288 |
| New Hampshire Environmental Accreditation Program | 207717 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Oregon Laboratory Accreditation Program | 4042-008 |
| Pennsylvania Department of Environmental Protection | 014 |
| Texas Commission on Environmental Quality | T104704189-17-8 |
| Virginia Department of General Services | 9077 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

1701560 4.1°C

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

# ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

**COC ID:** COC171026132935VISTA
**Sample Custodian:** KMB
**Lab:** VISTA

**Client:** General Electric Company

**Project:** Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

| COC Sample Number | Field Sample ID | QA/QC | Matrix ** | Date Collected | Time Collected | Media* | # Containers | TEST REQUESTED | METHOD | MS | MSD | LD | Turn Around Time (hrs) | Preservative |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | OWS-BAFA-T171026131438 | ENV | W | 10/24/2017 | 09:18 | W | 2 | | | | | | | |
| | | | | | | | | CS PCBs 1668 | E1668C | N | N | N | 480 | 4degC |
| 002 | OWS-BDUP-T171026131726 | DUP | W | 10/24/2017 | | W | 2 | | | | | | | |
| | | | | | | | | CS PCBs 1668 | E1668C | N | N | N | 480 | 4degC |
| 003 | OWS-FDBL-T171026132307 | FDBL | W | 10/26/2017 | 11:58 | W | 2 | | | | | | | |
| | | | | | | | | CS PCBs 1668 | E1668C | N | N | N | 480 | 4degC |
| 004 | OWS-ROIS-T171026131614 | ENV | W | 10/24/2017 | 09:40 | W | 2 | | | | | | | |
| | | | | | | | | CS PCBs 1668 | E1668C | N | N | N | 480 | 4degC |
| 005 | OWS-SCHU-T171026132034 | ENV | W | 10/26/2017 | 10:52 | W | 4 | | | | | | | |
| | | | | | | | | CS PCBs 1668 | E1668C | Y | Y | N | 480 | 4degC |
| 006 | OWS-THIS-T171026131900 | ENV | W | 10/26/2017 | 09:56 | W | 2 | | | | | | | |
| | | | | | | | | CS PCBs 1668 | E1668C | N | N | N | 480 | 4degC |
| 007 | OWS-WAFO-T171026132220 | ENV | W | 10/26/2017 | 11:58 | W | 2 | | | | | | | |
| | | | | | | | | CS PCBs 1668 | E1668C | N | N | N | 480 | 4degC |

**Comments:**

| Relinquished by: | Received by: | Relinquished by: | Received by: | Relinquished by: | Received by: |
|---|---|---|---|---|---|
| Signature | Signature | Signature | Signature | Signature | Signature |
| Print Name Kevin Bellow | Print Name Ian Arguelles | Print Name | Print Name | Print Name | Print Name |
| Company AQ | Company VAL | Company | Company | Company | Company |
| Date/Time 10/26/17 1400 | Date/Time 10/27/17 0913 | Date/Time | Date/Time | Date/Time | Date/Time |

***Date Printed: 10/26/2017*** * S= SEDIMENT, W= WATER, PW= PORE WATER ** W = Total/Whole, D = Dissolved, R = Residue, S = Sediment ***Page 1 of 1***

Vista Analytical Laboratory

# Sample Log-in Checklist

**Vista Work Order #:** 1701560 **TAT** standard

| | | | |
|---|---|---|---|
| **Samples Arrival:** | **Date/Time** 10/27/17 0900 | **Initials:** IA | **Location:** WR-2 **Shelf/Rack:** N/A |
| **Logged In:** | **Date/Time** 10/28/17 0828 | **Initials:** MMS | **Location:** WR-1 **Shelf/Rack:** Cart |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Delivered By:** | FedEx | UPS | On Trac | GSO | DHL | Hand Delivered | Other |
| **Preservation:** | Ice | | Blue Ice | | Dry Ice | | None |

| | | |
|---|---|---|
| **Temp °C:** 4.0 (uncorrected) | **Time:** 0915 | **Thermometer ID:** IR-1 |
| **Temp °C:** 4.1 (corrected) | **Probe used:** Yes☐ No☑ | |

| | YES | NO | NA |
|---|---|---|---|
| Adequate Sample Volume Received? | ✓ | | |
| Holding Time Acceptable? | ✓ | | |
| Shipping Container(s) Intact? | ✓ | | |
| Shipping Custody Seals Intact? | ✓ | | |
| Shipping Documentation Present? | ✓ | | |
| Airbill 2 of 2 Trk # 7882 2756 4644 | ✓ | | |
| Sample Container Intact? | ✓ | | |
| Sample Custody Seals Intact? | | | ✓ |
| Chain of Custody / Sample Documentation Present? | ✓ | | |
| COC Anomaly/Sample Acceptance Form completed? | | ✓ | ✓ |

| | | | | | | |
|---|---|---|---|---|---|---|
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | | | | | | ✓ |
| Preservation Documented: | $Na_2S_2O_3$ | Trizma | None | Yes | No | NA |
| Shipping Container | Vista | Client | Retain | Return | Dispose | |

*Comments:* sample labels:

OWS-BAFA-T171026131438 (2,B bottles)
OWS-BDUP-T171026131726 (2,B bottles)
OWS-ROIS-T171026131614 (2,B bottles)
OWS-SCHU-T171026132034 (2 bottle)
OWS-THIS-T171026131906 (2,B bottles)

Vista Analytical Laboratory

# Sample Log-in Checklist

**Vista Work Order #:** 1701560 **TAT** Std

| | | | |
|---|---|---|---|
| **Samples Arrival:** | **Date/Time** 10/27/17 0900 | **Initials:** SR | **Location:** WR-2 **Shelf/Rack:** N/A |
| **Logged In:** | **Date/Time** 10/28/17 0828 | **Initials:** MMS | **Location:** WR-1 **Shelf/Rack:** Cart |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Delivered By:** | FedEx | UPS | On Trac | GSO | DHL | Hand Delivered | Other |
| **Preservation:** | Ice | | Blue Ice | | Dry Ice | | None |

| | | |
|---|---|---|
| **Temp °C:** 2.7 (uncorrected) | **Time:** 0925 | **Thermometer ID:** IR-1 |
| **Temp °C:** 2.8 (corrected) | **Probe used:** Yes☐ No☑ | |

| | | YES | NO | NA |
|---|---|---|---|---|
| Adequate Sample Volume Received? | | ✓ | | |
| Holding Time Acceptable? | | ✓ | | |
| Shipping Container(s) Intact? | | ✓ | | |
| Shipping Custody Seals Intact? | | ✓ | | |
| Shipping Documentation Present? | | ✓ | | |
| Airbill | Trk # 7882 2756 4633 | ✓ | | |
| Sample Container Intact? | | ✓ | | |
| Sample Custody Seals Intact? | | | ✓ | |
| Chain of Custody / Sample Documentation Present? | | | ✓ | ✓ |
| COC Anomaly/Sample Acceptance Form completed? | | | ✓ | ✓ |

| | | | | | | |
|---|---|---|---|---|---|---|
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | | | | | | ✓ |
| Preservation Documented: | $Na_2S_2O_3$ | Trizma | None | Yes | No | NA |
| Shipping Container | Vista | Client | Retain | Return | Dispose | |

*Comments:* sample labels:
OWS-FDBL-T171026132307 (A,B bottles)
OWS-SCHU-T171026132034 (B,C,D bottles)
OWS-WAFO-T171026132220 (A,B bottles)

# EXTRACTION INFORMATION

Process Sheet

**Workorder: 1701560**

Prep Expiration: 2018-Oct-23

Client: General Electric Company

**Workorder Due: 17-Nov-17 00:00**

TAT: 21

Method: **1668C Full List (All Congener OPR)**

Matrix: **Aqueous**

Client Matrix: Water

Also run: **Percent Solids**

Prep Batch: B8D0041

Prep Data Entered: 4/9/18 JR

Date and Initials

Initial Sequence: S8D0017

| LabSampleID | Recon | ClientSampleID | Date Received | Location | Comments |
|---|---|---|---|---|---|
| 1701560-01 | ☒ | OWS-BAFA-T171026131438 | 27-Oct-17 09:00 | WR-1 Cart | |
| 1701560-02 | ☒ | OWS-BDUP-T171026131726 | 27-Oct-17 09:00 | WR-1 Cart | |
| 1701560-03 | ☒ | OWS-FDBL-T171026132307 | 27-Oct-17 09:00 | WR-1 Cart | |
| 1701560-04 | ☒ | OWS-ROIS-T171026131614 | 27-Oct-17 09:00 | WR-1 Cart | |
| 1701560-05 | ☒ | OWS-SCHU-T171026132034 | 27-Oct-17 09:00 | WR-1 Cart | **MS/MSD** |
| 1701560-06 | ☒ | OWS-THIS-T171026131900 | 27-Oct-17 09:00 | WR-1 Cart | |
| 1701560-07 | ☒ | OWS-WAFO-T171026132220 | 27-Oct-17 09:00 | WR-1 Cart | |

% solids on blank

Vista PM: Martha Maier

**Vial Box ID:** KEF

Sample Reconciled By: JR 4/6/18

Page 1 of 1

# PREPARATION BENCH SHEET

**Matrix: Aqueous**

**Method: 1668C Full List (All Congener OPR)**

B8D0041

Chemist: BL

Prep Date/Time: 06-Apr-18

**Prepared using: HRMS - Separatory Funnel**

| C | VISTA Sample ID | Bottle + Sample (g) | Bottle Only (g) | Sample Amt. (L) | IS/NS CHEM/WIT DATE | PS ~~CRS~~ CHEM/WIT DATE | AP CHEM/ DATE | ABSG CHEM/ DATE | AA CHEM/ DATE | Florisil CHEM/ DATE | RS CHEM/WIT DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | NA | NA | NA | NA | |
| ☐ | B8D0041-BLK1 | NA | NA | (1.0) | BL JR 4/6/18 | TLD JR 4/6/18 | NA | TLD 4/9/18 | NA | NA | BL EZ 4/9/18 |
| ☐ | B8D0041-BS1 | | | (1.0) | | | | | | | |
| ☐ | B8D0041-MS1 1701560-05 | 1399.44 | 499.43 | 0.90001 | ✓ | | | | | | |
| ☐ | B8D0041-MSD1 1701560-05 | 1357.34 | 500.90 | 0.85644 | ✓ | | | | | | |
| ☐ | 1701560-01 | 1486.05 | 504.82 | 0.98123 | ✓ | | | | | | |
| ☐ | 1701560-02 | 1486.94 | 504.51 | 0.98243 | ✓ | | | | | | |
| ☐ | 1701560-03 | 1360.66 | 502.50 | 0.85816 | ✓ | | | | | | |
| ☐ | 1701560-04 | 1480.54 | 502.55 | 0.97799 | ✓ | | | | | | |
| ☐ | 1701560-05 | 1421.72 | 500.47 | 0.92125 | ✓ | | | | | | |
| ☐ | 1701560-06 | 1442.89 | 500.60 | 0.94229 | ✓ | | | | | | |
| ☐ | 1701560-07 | 1439.68 | 503.63 | 0.93605 | ✓ | | | | | | |
| ☐ | 1701613-01 | 1515.48 | 503.47 | 1.01201 | | | | | | | |
| ☐ | 1701613-02 | 1509.64 | 502.24 | 1.0074 | | | | | | | |
| ☐ | 1701613-03 | 1510.64 | 500.09 | 1.01055 | | | | | | | |

| | | | |
|---|---|---|---|
| IS Name V4 | NS Name V6 | PS ~~CRS~~ Name V4 | RS Name V4 |
| PCDD/F | PCDD/F | PCDD/F | PCDD/F |
| PCB 18A0219, 10µL | PCB 18A0304, 10µL | PCB 18A0220, 10µL | PCB 18A0221, 10µL |
| PAH | PAH | PAH | PAH |

APP: SEFUN SOX SDS

SOLV: DCM

Other NA

Final Volume(s) C9 20µL

Check Out: Chemist/Date: JR 4/6/18

Check In: Chemist/Date: Empty

Balance ID: HRMS-9

Comments: Assume 1 g = 1 mL

1 = Sample approached dryness on rotovap
2 = Sample bumped on rotovap; lost < 5%
3 = Sample poured through Na2SO4 to remove water
4 = Precipitate present at Final Volume
5 = Sample Centrifuged to remove particulate
6 = Added boiling chips to seperatory funnel
7 = Sample emulsed during shakeout

# PREPARATION BENCH SHEET

**Matrix: Aqueous**

**Method: 1668C Full List (All Congener OPR)**

B8D0041

Chemist: BL

Prep Date/Time: 06-Apr-18

**Prepared using: HRMS - Separatory Funnel**

| C | VISTA Sample ID | Bottle + Sample (g) | Bottle Only (g) | Sample Amt. (L) | IS/NS CHEM/WIT DATE | ~~CRS~~ PS CHEM/WIT DATE | AP CHEM/ DATE | ABSG CHEM/ DATE | AA CHEM/ DATE | Florisil CHEM/ DATE | RS CHEM/WIT DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | NA | NA | NA | NA | |
| ☐ | 1701613-04 | 1502.57 | 502.58 | 0.99999 | BL JR 4/6/18 | TND JR 4/6/18 | NA | TND 4/9/18 | NA | NA | BL EL 4/9/18 |
| ☐ | 1701613-05 | 1463.95 | 500.60 | 0.96335 | | | | | | | |
| ☐ | 1701667-01 | 1530.33 | 502.54 | 1.02779 | | | | | | | |
| ☐ | 1701667-02 | 1495.12 | 503.93 | 0.99119 | | | | | | | |
| ☐ | 1701667-03 | 1400.41 | 503.61 | 0.89680 | | | | | | | |
| ☐ | 1701755-01 | 1481.74 | 499.37 | 0.98237 | | | | | | | |
| ☐ | 1701755-02 | 1513.59 | 498.50 | 1.01509 | | | | | | | |
| ☐ | 1701755-03 | 1512.20 | 499.78 | 1.01242 | | | | | | | |

| IS Name (V4) | NS Name (V6) | ~~CRS~~ PS Name (V4) | RS Name (V4) | APP: (SEFUN) SOX SDS | Check Out: Chemist/Date: 4/6/18 JR |
|---|---|---|---|---|---|
| PCDD/F | PCDD/F | PCDD/F | PCDD/F | SOLV: DCM | Check In: Chemist/Date: Empty |
| PCB 18A0219, 10uL | PCB 18A0304, 10uL | PCB 18A0220, 10uL | PCB 18A0221, 10uL | Other NA | Balance ID: HRMS-9 |
| PAH | PAH | PAH | PAH | Final Volume(s) Ca 20uL | |

Comments: Assume 1 g = 1 mL

1 = Sample approached dryness on rotovap
2 = Sample bumped on rotovap; lost < 5%
3 = Sample poured through Na2SO4 to remove water
4 = Precipitate present at Final Volume
5 = Sample Centrifuged to remove particulate
6 = Added boiling chips to seperatory funnel
7 = Sample emulsed during shakeout

# Percent Moisture/ Percent Solids

D2216-90 BATCH ID B8D0039

**Analyst:** BL **Test Code:** %Moist/%Solids

**Analyte:** Dried at 110°C+/-5°C **Units:** %

Data Entry Verified by: (Initial and Date) JR 4/9/18

Inst: HRMS-9

| Date/Time IN: | Date/Time OUT |
|---|---|
| 4/6/18 8:00 | 4/9/18 14:52 |

| | B | C | D | E | F | G | H | K | M | N | O | P | Q | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Intial and Date: | 4/6/18 BL | 4/9/18 TLD | | | BL 4/6/18 | | | | | JR 4/6/18 |
| Particle Size | SampID | | SampType | Pan Tare Wt. (gms) | Wet Pan and Sample Weight (g) | Dry Pan and Sample Weight (g) | Dry Sample Weight (g) | %Solids RawVal | pH Before | pH After | Acid Added | Cl- | Visual Inspection | Sample Homogenized* |
| | 1701560-01 | A | Sample | 1.2900 | 15.3500 | 1.2900 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701560-02 | A | Sample | 1.2700 | 14.7900 | 1.2800 | 0.0100 | 0.07 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701560-03 | A | Sample | 1.2900 | 14.9100 | 1.2900 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701560-04 | A | Sample | 1.2800 | 19.3400 | 1.2800 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701560-05 | A | Sample | 1.2900 | 18.1900 | 1.3000 | 0.0100 | 0.06 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701560-06 | A | Sample | 1.2800 | 16.4900 | 1.2900 | 0.0100 | 0.07 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701560-07 | A | Sample | 1.2700 | 18.0500 | 1.2700 | 0.0000 | 0.00 | 6 | 2 | 6 | 0 | Clear | X |
| | 1701613-01 | A | Sample | 1.2700 | 16.6500 | 1.2900 | 0.0200 | 0.13 | 6 | 2 | 10 | 0 | Clear | X |
| | 1701613-02 | A | Sample | 1.2900 | 13.9700 | 1.2900 | 0.0000 | 0.00 | 6 | 2 | 6 | 0 | Clear | X |
| | 1701613-03 | A | Sample | 1.2800 | 15.0200 | 1.2900 | 0.0100 | 0.07 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701613-04 | A | Sample | 1.2800 | 19.9800 | 1.2800 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Particles | X |
| | 1701613-05 | A | Sample | 1.2800 | 20.1000 | 1.2900 | 0.0100 | 0.05 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701667-01 | A | Sample | 1.2800 | 18.5500 | 1.2800 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701667-02 | A | Sample | 1.2900 | 17.9700 | 1.2900 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Particles | X |
| | 1701667-03 | A | Sample | 1.2800 | 20.5100 | 1.2800 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |
| | 1701755-01 | B | Sample | 1.2800 | 16.3000 | 1.2800 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Particles | X |
| | 1701755-02 | B | Sample | 1.2900 | 21.5500 | 1.2900 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Particles | X |
| | 1701755-03 | B | Sample | 1.2900 | 16.3400 | 1.2900 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Particles | X |
| | MS | 1701560-05-B | | 1.2900 | 16.6500 | 1.2900 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |
| | MSD | 1701560-05-C | | 1.2800 | 21.3100 | 1.2900 | 0.0100 | 0.05 | 5 | 2 | 6 | 0 | Clear | X |
| | BLK | | | 1.2800 | 16.7600 | 1.2800 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |
| | OPR | | | 1.2700 | 15.3100 | 1.2700 | 0.0000 | 0.00 | 5 | 2 | 6 | 0 | Clear | X |

*Sample homogenized in sample container unless otherwise noted.

# Percent Moisture/ Percent Solids

D2216-90 BATCH ID B8D0039

| | |
|---|---|
| Analyst: BL | Test Code: %Moist/%Solids |
| Analyte: Dried at 110°C+/-5°C | Units: % |

Data Entry Verified by: (Initial and Date) NA

Inst HRMS-9

JR 4/6/18

Date/Time IN: ~~4/6/18~~ 800 ~~4/6/18~~ Date/Time OUT: 4/9/18 1452

| | B | C | D | E | F | G | H | K | M | N | O | P | Q | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Intial and Date: | 4/6/18 BL | 4/9/18 TW | | | BL 4/6/18 | | | | | JR 4/6/18 |
| Particle Size | SampID | | SampType | Pan Tare Wt. (gms) | Wet Pan and Sample Weight (g) | Dry Pan and Sample Weight (g) | Dry Sample Weight (g) | %Solids RawVal | pH Before | pH After | Acid Added | Cl- | Visual Inspection | Sample Homogenized* |
| | 1701560-01 | A | Sample | (A) ~~1.28~~ 1.29 | 15.35 | 1.29 | | | 5 | 2 | 6 | 0 | Clear | X |
| | 1701560-02 | A | Sample | ~~1.29~~ 1.27 | 14.79 | 1.28 | | | 6 | 2 | 6 | 0 | | X |
| | 1701560-03 | A | Sample | ~~1.29~~ 1.29 | 14.91 | 1.29 | | | 5 | 2 | 6 | 0 | | X |
| | 1701560-04 | A | Sample | ~~1.29~~ 1.28 | 19.34 | 1.28 | | | 5 | 2 | 6 | 0 | | X |
| | 1701560-05 | A | Sample | ~~1.27~~ 1.29 | 18.19 | 1.30 | | | 5 | 2 | 6 | 0 | | X |
| | 1701560-06 | A | Sample | ~~1.29~~ 1.28 | 16.49 | 1.29 | | | 5 | 2 | 6 | 0 | | X |
| | 1701560-07 | A | Sample | 1.27 | 18.05 | 1.27 | | | 6 | 2 | 6 | 0 | | X |
| | 1701613-01 | A | Sample | 1.27 | 16.65 | 1.29 TW 4/9/18 | | | 6 | 2 | 10 | 0 | | X |
| | 1701613-02 | A | Sample | 1.29 | 13.97 | 1.29 | | | 6 | 2 | 6 | 0 | | X |
| | 1701613-03 | A | Sample | 1.28 | 15.02 | 1.29 | | | 5 | 2 | 6 | 0 | | X |
| | 1701613-04 | A | Sample | 1.28 | 19.98 | 1.28 | | | 5 | 2 | 6 | 0 | Particles | X |
| | 1701613-05 | A | Sample | 1.28 | 20.10 | 1.29 | | | 5 | 2 | 6 | 0 | Clear | X |
| | 1701667-01 | A | Sample | 1.28 | 18.65 | 1.28 | | | 5 | 2 | 6 | 0 | | X |
| | 1701667-02 | A | Sample | 1.29 | 17.97 | 1.29 | | | 5 | 2 | 6 | 0 | Particles | X |
| | 1701667-03 | A | Sample | 1.28 | 20.51 | 1.28 | | | 5 | 2 | 6 | 0 | Clear | X |
| | 1701755-01 | B | Sample | 1.28 | 16.30 | 1.28 | | | 5 | 2 | 6 | 0 | Particles | X |
| | 1701755-02 | B | Sample | 1.29 | 21.55 | 1.29 | | | 5 | 2 | 6 | 0 | Particles | X |
| | 1701755-03 | B | Sample | 1.29 | 16.34 | 1.29 | | | 5 | 2 | 6 | 0 | Particles | X |
| | MS | 1701560-05-B | | 1.29 | 16.66 | 1.29 | | | 5 | 2 | 6 | 0 | Clear | X |
| | MSD | 1701560-05-C | | 1.28 | 21.31 | 1.29 | | | 5 | 2 | 6 | 0 | | X |
| | BLK | | | 1.28 | 16.76 | 1.28 | | | 5 | 2 | 6 | 0 | | X |
| | OPR | | | 1.27 | 15.31 | 1.27 | | | 5 | 2 | 6 | 0 | | X |

*Sample homogenized in sample container unless otherwise noted.

(A) JR 4/6/18

# Batch: B8D0041

# Matrix: Aqueous

| LabNumber | WetWeight (Initial) | % Solids (Extraction Solids) | DryWeight | Final | Extracted | Ext By | Spike | SpikeAmount | ClientMatrix | Analysis |
|---|---|---|---|---|---|---|---|---|---|---|
| 1701560-01 | 0.98123 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701560-02 | 0.98243 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701560-03 | 0.85816 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701560-04 | 0.97799 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701560-05 | 0.92125 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701560-06 | 0.94229 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701560-07 | 0.93605 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701613-01 | 1.01201 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701613-02 | 1.0074 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701613-03 | 1.01055 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701613-04 | 0.99999 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701613-05 | 0.96335 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701667-01 | 1.02779 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701667-02 | 0.99119 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701667-03 | 0.8968 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701755-01 | 0.98237 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701755-02 | 1.01509 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| 1701755-03 | 1.01242 | | | 20 | 06-Apr-18 08:02 | BML | | | Water | 1668C Full List (All Conger |
| B8D0041-BLK1 | 1 | | | 20 | 06-Apr-18 08:02 | BML | | | | QC |
| B8D0041-BS1 | 1 | | | 20 | 06-Apr-18 08:02 | BML | 18A0304 | 10 | | QC |
| B8D0041-MS1 | 0.90001 | | | 20 | 06-Apr-18 08:02 | BML | 18A0304 | 10 | | QC |
| B8D0041-MSD1 | 0.85644 | | | 20 | 06-Apr-18 08:02 | BML | 18A0304 | 10 | | QC |

JR 4/9/18

Printed: 4/9/2018 3:47:13PM

# SAMPLE DATA – EPA METHOD 1668C

Client ID: Method Blank  Filename: 180409E1  S:4  Acq:9-APR-18 20:49:03  ConCal: ST180409E1-1  
Lab ID: B8D0041-BLK1  GC Column ID: ZB-1  ICal: PCBVG8-2-0-18  wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | * | * | n NotF¶ | 1.07 | * | | 1260 | 2.5 | 0.752 | * | 0.996-1.006 |
| Mono | PCB-2 | * | * | n NotF¶ | 1.06 | * | | 1260 | 2.5 | 0.826 | * | 0.983-0.993 |
| Mono | PCB-3 | * | * | n NotF¶ | 1.06 | * | | 1260 | 2.5 | 0.825 | * | 0.996-1.006 |
| Di | PCB-4/10 | * | * | n NotF¶ | 1.24 | * | | 2340 | 2.5 | 1.27 | * | 0.998-1.008 |
| Di | PCB-7/9 | * | * | n NotF¶ | 0.99 | * | | 2340 | 2.5 | 0.927 | * | 0.863-0.871 |
| Di | PCB-6 | * | * | n NotF¶ | 1.06 | * | | 2340 | 2.5 | 0.870 | * | 0.888-0.897 |
| Di | PCB-5/8 | * | * | n NotF¶ | 1.03 | * | | 11500 | 1.0 | 1.77 | * | 0.904-0.913 |
| Di | PCB-14 | * | * | n NotF¶ | 1.03 | * | | 2340 | 2.5 | 0.930 | * | 0.948-0.958 |
| Di | PCB-11 | 5.81e+05 | 1.52 | y 25:09 | 1.11 | 8.397 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | * | * | n NotF¶ | 1.02 | * | | 2340 | 2.5 | 0.943 | * | 1.011-1.021 |
| Di | PCB-15 | * | * | n NotF¶ | 1.05 | * | | 2340 | 2.5 | 0.910 | * | 1.023-1.033 |
| Tri | PCB-19 | * | * | n NotF¶ | 1.20 | * | | 1550 | 2.5 | 0.595 | * | 0.996-1.006 |
| Tri | PCB-30 | * | * | n NotF¶ | 1.93 | * | | 1550 | 2.5 | 0.370 | * | 1.034-1.044 |
| Tri | PCB-18 | 6.83e+04 | 1.00 | y 25:46 | 0.91 | 1.144 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | * | * | n NotF¶ | 0.84 | * | | 1550 | 2.5 | 0.579 | * | 0.955-0.965 |
| Tri | PCB-24/27 | * | * | n NotF¶ | 1.15 | * | | 1550 | 2.5 | 0.423 | * | 0.977-0.986 |
| Tri | PCB-16/32 | 6.34e+04 | 1.00 | y 27:04 | 1.02 | 0.9507 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-34 | * | * | n NotF¶ | 0.96 | * | | 1330 | 2.5 | 0.529 | * | 0.955-0.965 |
| Tri | PCB-23 | * | * | n NotF¶ | 0.95 | * | | 1330 | 2.5 | 0.536 | * | 0.958-0.968 |
| Tri | PCB-29 | * | * | n NotF¶ | 0.96 | * | | 1330 | 2.5 | 0.528 | * | 0.966-0.976 |
| Tri | PCB-26 | * | * | n NotF¶ | 1.00 | * | | 1330 | 2.5 | 0.507 | * | 0.974-0.984 |
| Tri | PCB-25 | * | * | n NotF¶ | 1.06 | * | | 1330 | 2.5 | 0.481 | * | 0.980-0.990 |
| Tri | PCB-31 | * | * | n NotF¶ | 1.10 | * | | 1330 | 2.5 | 0.463 | * | 0.992-1.002 |
| Tri | PCB-28 | 4.79e+04 | 1.66 | n 29:01 | 1.14 | 0.7063 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-20/21/33 | * | * | n NotF¶ | 1.00 | * | | 1330 | 2.5 | 0.511 | * | 1.017-1.027 |
| Tri | PCB-22 | * | * | n NotF¶ | 1.09 | * | | 1330 | 2.5 | 0.468 | * | 1.032-1.042 |
| Tri | PCB-36 | * | * | n NotF¶ | 1.15 | * | | 1330 | 2.5 | 0.475 | * | 0.929-0.939 |
| Tri | PCB-39 | * | * | n NotF¶ | 1.07 | * | | 1330 | 2.5 | 0.511 | * | 0.943-0.953 |
| Tri | PCB-38 | * | * | n NotF¶ | 1.10 | * | | 1330 | 2.5 | 0.496 | * | 0.966-0.976 |
| Tri | PCB-35 | * | * | n NotF¶ | 1.12 | * | | 1330 | 2.5 | 0.486 | * | 0.982-0.992 |
| Tri | PCB-37 | * | * | n NotF¶ | 1.11 | * | | 1330 | 2.5 | 0.491 | * | 0.996-1.006 |
| Tetra | PCB-54 | * | * | n NotF¶ | 1.07 | * | | 2460 | 2.5 | 0.788 | * | 0.996-1.006 |
| Tetra | PCB-50 | * | * | n NotF¶ | 0.87 | * | | 2460 | 2.5 | 0.968 | * | 1.038-1.048 |
| Tetra | PCB-53 | * | * | n NotF¶ | 1.01 | * | | 2460 | 2.5 | 0.980 | * | 0.940-0.950 |
| Tetra | PCB-51 | * | * | n NotF¶ | 1.10 | * | | 2460 | 2.5 | 0.900 | * | 0.952-0.962 |
| Tetra | PCB-45 | * | * | n NotF¶ | 0.87 | * | | 2460 | 2.5 | 1.13 | * | 0.965-0.975 |
| Tetra | PCB-46 | * | * | n NotF¶ | 0.84 | * | | 2460 | 2.5 | 1.18 | * | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/10/18

Reviewed by: CT  Date: 4/12/18

Client ID: Method Blank  Filename: 180409E1  S:4  Acq:9-APR-18 20:49:06  ConCal: ST180409E1-1  
Lab ID: B8D0041-BLK1  GC Column ID: ZB 1  ICal: PCBVG8-2-8-18  wt/vol: 1.000  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | * | * | n NotF¶ | 1.21 | * | | 2460 | 2.5 | 0.817 | * | 0.996-1.006 |
| Tetra | PCB-73 | * | * | n NotF¶ | 1.45 | * | | 2460 | 2.5 | 0.681 | * | 1.000-1.010 |
| Tetra | PCB-43/49 | * | * | n NotF¶ | 1.01 | * | | 2460 | 2.5 | 0.979 | * | 1.005-1.015 |
| Tetra | PCB-47 | 3.12e+05 | 0.93 | n 31:56 | 0.91 | 6.012 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | * | * | n NotF¶ | 1.13 | * | | 2460 | 2.5 | 0.834 | * | 0.999-1.009 |
| Tetra | PCB-65 | * | * | n NotF¶ | 1.27 | * | | 2460 | 2.5 | 0.743 | * | 1.007-1.017 |
| Tetra | PCB-62 | * | * | n NotF¶ | 1.10 | * | | 2460 | 2.5 | 0.862 | * | 1.011-1.021 |
| Tetra | PCB-44 | * | * | n NotF¶ | 0.85 | * | | 2460 | 2.5 | 1.11 | * | 1.020-1.030 |
| Tetra | PCB-42/59 | * | * | n NotF¶ | 1.02 | * | | 2460 | 2.5 | 0.926 | * | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | * | * | n NotF¶ | 1.17 | * | | 2460 | 2.5 | 0.810 | * | 1.046-1.056 |
| Tetra | PCB-68 | 7.02e+04 | 1.27 | n 33:48 | 1.28 | 0.9589 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Tetra | PCB-40 | * | * | n NotF¶ | 0.62 | * | | 2460 | 2.5 | 1.51 | * | 1.060-1.070 |
| Tetra | PCB-57 | * | * | n NotF¶ | 1.13 | * | | 2460 | 2.5 | 0.686 | * | 0.965-0.975 |
| Tetra | PCB-67 | * | * | n NotF¶ | 1.10 | * | | 2460 | 2.5 | 0.702 | * | 0.973-0.983 |
| Tetra | PCB-58 | * | * | n NotF¶ | 1.12 | * | | 2460 | 2.5 | 0.689 | * | 0.977-0.987 |
| Tetra | PCB-63 | * | * | n NotF¶ | 1.00 | * | | 2460 | 2.5 | 0.774 | * | 0.981-0.991 |
| Tetra | PCB-74 | * | * | n NotF¶ | 1.18 | * | | 2460 | 2.5 | 0.654 | * | 0.989-0.999 |
| Tetra | PCB-61/70 | * | * | n NotF¶ | 1.03 | * | | 2460 | 2.5 | 0.753 | * | 0.994-1.004 |
| Tetra | PCB-76/66 | * | * | n NotF¶ | 1.13 | * | | 2460 | 2.5 | 0.683 | * | 1.000-1.010 |
| Tetra | PCB-80 | * | * | n NotF¶ | 1.19 | * | | 2460 | 2.5 | 0.650 | * | 0.995-1.005 |
| Tetra | PCB-55 | * | * | n NotF¶ | 1.16 | * | | 2460 | 2.5 | 0.669 | * | 1.004-1.014 |
| Tetra | PCB-56/60 | * | * | n NotF¶ | 1.04 | * | | 2460 | 2.5 | 0.743 | * | 1.018-1.028 |
| Tetra | PCB-79 | * | * | n NotF¶ | 1.17 | * | | 2460 | 2.5 | 0.663 | * | 1.047-1.057 |
| Tetra | PCB-78 | * | * | n NotF¶ | 1.10 | * | | 2460 | 2.5 | 0.677 | * | 0.982-0.992 |
| Tetra | PCB-81 | * | * | n NotF¶ | 0.97 | * | | 2460 | 2.5 | 0.771 | * | 0.995-1.005 |
| Tetra | PCB-77 | * | * | n NotF¶ | 1.08 | * | | 2460 | 2.5 | 0.735 | * | 0.995-1.005 |
| Penta | PCB-104 | * | * | n NotF¶ | 1.08 | * | | 1060 | 2.5 | 0.572 | * | 0.996-1.006 |
| Penta | PCB-96 | * | * | n NotF¶ | 1.13 | * | | 1060 | 2.5 | 0.545 | * | 1.034-1.044 |
| Penta | PCB-103 | * | * | n NotF¶ | 0.91 | * | | 1060 | 2.5 | 0.679 | * | 1.051-1.061 |
| Penta | PCB-100 | * | * | n NotF¶ | 0.93 | * | | 1060 | 2.5 | 0.666 | * | 1.062-1.072 |
| Penta | PCB-94 | * | * | n NotF¶ | 0.91 | * | | 1060 | 2.5 | 0.791 | * | 0.981-0.991 |
| Penta | PCB-95/98/102 | * | * | n NotF¶ | 1.17 | * | | 1060 | 2.5 | 0.617 | * | 0.994-1.004 |
| Penta | PCB-93 | * | * | n NotF¶ | 0.93 | * | | 1060 | 2.5 | 0.781 | * | 0.997-1.007 |
| Penta | PCB-88/91 | * | * | n NotF¶ | 0.97 | * | | 1060 | 2.5 | 0.742 | * | 1.005-1.015 |
| Penta | PCB-121 | * | * | n NotF¶ | 1.68 | * | | 1060 | 2.5 | 0.430 | * | 1.009-1.019 |
| Penta | PCB-84/92 | * | * | n NotF¶ | 0.97 | * | | 1060 | 2.5 | 0.769 | * | 0.985-0.995 |
| Penta | PCB-89 | * | * | n NotF¶ | 1.06 | * | | 1060 | 2.5 | 0.702 | * | 0.990-1.000 |

Analyst: DB

Date: 4/10/18

Client ID: Method Blank  Filename: 180409E1  S:4  Acq:9-APR-18 20:49:06  ConCal: ST180409E1-1  Page 2 of

Lab ID: B8D0041-BLK1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 1.000  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | * | * | n NotF╗ | 1.08 | * | | 1060 | 2.5 | 0.694 | * | 0.995-1.005 |
| Penta | PCB-113 | * | * | n NotF╗ | 1.48 | * | | 1060 | 2.5 | 0.506 | * | 1.002-1.012 |
| Penta | PCB-99 | * | * | n NotF╗ | 1.25 | * | | 1060 | 2.5 | 0.596 | * | 1.004-1.014 |
| Penta | PCB-119 | * | * | n NotF╗ | 1.70 | * | | 1060 | 2.5 | 0.503 | * | 0.982-0.992 |
| Penta | PCB-108/112 | * | * | n NotF╗ | 1.40 | * | | 1060 | 2.5 | 0.610 | * | 0.986-0.996 |
| Penta | PCB-83 | * | * | n NotF╗ | 1.75 | * | | 1060 | 2.5 | 0.488 | * | 0.990-1.000 |
| Penta | PCB-97 | * | * | n NotF╗ | 1.17 | * | | 1060 | 2.5 | 0.729 | * | 0.995-1.005 |
| Penta | PCB-86 | * | * | n NotF╗ | 1.08 | * | | 1060 | 2.5 | 0.791 | * | 0.999-1.009 |
| Penta | PCB-87/117/125 | * | * | n NotF╗ | 1.55 | * | | 1060 | 2.5 | 0.551 | * | 1.002-1.012 |
| Penta | PCB-111/115 | * | * | n NotF╗ | 1.79 | * | | 1060 | 2.5 | 0.477 | * | 1.006-1.016 |
| Penta | PCB-85/116 | * | * | n NotF╗ | 1.29 | * | | 1060 | 2.5 | 0.663 | * | 1.009-1.019 |
| Penta | PCB-120 | * | * | n NotF╗ | 1.98 | * | | 1060 | 2.5 | 0.432 | * | 1.016-1.026 |
| Penta | PCB-110 | 3.95e+04 | 0.91 | n 39:42 | 1.69 | 0.5731 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | * | * | n NotF╗ | 0.81 | * | | 1060 | 2.5 | 0.824 | * | 0.972-0.982 |
| Penta | PCB-124 | * | * | n NotF╗ | 1.30 | * | | 1060 | 2.5 | 0.513 | * | 0.988-0.998 |
| Penta | PCB-107/109 | * | * | n NotF╗ | 1.31 | * | | 1060 | 2.5 | 0.506 | * | 0.991-1.001 |
| Penta | PCB-123 | * | * | n NotF╗ | 1.12 | * | | 1060 | 2.5 | 0.594 | * | 0.996-1.006 |
| Penta | PCB-106/118 | * | * | n NotF╗ | 1.18 | * | | 1060 | 2.5 | 0.566 | * | 0.996-1.006 |
| Penta | PCB-114 | * | * | n NotF╗ | 1.11 | * | | 1260 | 2.5 | 0.787 | * | 0.995-1.005 |
| Penta | PCB-122 | * | * | n NotF╗ | 1.03 | * | | 1260 | 2.5 | 0.851 | * | 0.999-1.009 |
| Penta | PCB-105 | * | * | n NotF╗ | 1.12 | * | | 1260 | 2.5 | 0.759 | * | 0.995-1.005 |
| Penta | PCB-127 | * | * | n NotF╗ | 1.12 | * | | 1260 | 2.5 | 0.695 | * | 0.995-1.005 |
| Penta | PCB-126 | * | * | n NotF╗ | 1.20 | * | | 1260 | 2.5 | 0.691 | * | 0.995-1.005 |
| Hexa | PCB-155 | * | * | n NotF╗ | 0.99 | * | | 974 | 2.5 | 0.535 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n NotF╗ | 1.02 | * | | 974 | 2.5 | 0.516 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n NotF╗ | 1.16 | * | | 974 | 2.5 | 0.457 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n NotF╗ | 1.13 | * | | 974 | 2.5 | 0.468 | * | 1.054-1.064 |
| Hexa | PCB-136 | * | * | n NotF╗ | 1.02 | * | | 974 | 2.5 | 0.517 | * | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n NotF╗ | 0.77 | * | | 974 | 2.5 | 0.684 | * | 1.066-1.076 |
| Hexa | PCB-154 | * | * | n NotF╗ | 0.88 | * | | 974 | 2.5 | 0.604 | * | 1.079-1.089 |
| Hexa | PCB-151 | * | * | n NotF╗ | 0.75 | * | | 974 | 2.5 | 0.703 | * | 1.095-1.107 |
| Hexa | PCB-135 | * | * | n NotF╗ | 0.86 | * | | 974 | 2.5 | 0.615 | * | 1.101-1.113 |
| Hexa | PCB-144 | * | * | n NotF╗ | 0.77 | * | | 974 | 2.5 | 0.690 | * | 1.105-1.116 |
| Hexa | PCB-147 | * | * | n NotF╗ | 0.80 | * | | 974 | 2.5 | 0.657 | * | 1.108-1.120 |
| Hexa | PCB-139/149 | * | * | n NotF╗ | 0.88 | * | | 974 | 2.5 | 0.601 | * | 1.115-1.127 |
| Hexa | PCB-140 | * | * | n NotF╗ | 0.77 | * | | 974 | 2.5 | 0.687 | * | 1.120-1.132 |
| Hexa | PCB-134/143 | * | * | n NotF╗ | 0.76 | * | | 1070 | 2.5 | 0.714 | * | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: Method Blank  Filename: 180409E1  S:4  Acq:9-APR-18 20:49.06  ConCal: ST180409E1-1  
Lab ID: B8D0041-BLK1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 1.000  EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | * | * | n | NotF╗ | 0.82 | * | | 1070 | 2.5 | 0.666 | * | 0.977-0.987 |
| Hexa | PCB-142 | * | * | n | NotF╗ | 0.73 | * | | 1070 | 2.5 | 0.743 | * | 0.981-0.991 |
| Hexa | PCB-146/165 | * | * | n | NotF╗ | 1.02 | * | | 1070 | 2.5 | 0.533 | * | 0.986-0.996 |
| Hexa | PCB-132/161 | * | * | n | NotF╗ | 1.00 | * | | 1070 | 2.5 | 0.541 | * | 0.992-1.002 |
| Hexa | PCB-153 | * | * | n | NotF╗ | 1.08 | * | | 1070 | 2.5 | 0.505 | * | 0.995-1.005 |
| Hexa | PCB-168 | * | * | n | NotF╗ | 1.12 | * | | 1070 | 2.5 | 0.487 | * | 1.000-1.010 |
| Hexa | PCB-141 | * | * | n | NotF╗ | 1.02 | * | | 1070 | 2.5 | 0.606 | * | 0.995-1.005 |
| Hexa | PCB-137 | * | * | n | NotF╗ | 1.10 | * | | 1070 | 2.5 | 0.559 | * | 1.004-1.014 |
| Hexa | PCB-130 | * | * | n | NotF╗ | 0.81 | * | | 1070 | 2.5 | 0.766 | * | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 5.44e+04 | 1.52 | n | 44:45 | 1.23 | 0.8356 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | * | * | n | NotF╗ | 1.18 | * | | 1070 | 2.5 | 0.517 | * | 1.001-1.011 |
| Hexa | PCB-129 | * | * | n | NotF╗ | 0.78 | * | | 1070 | 2.5 | 0.781 | * | 1.007-1.017 |
| Hexa | PCB-166 | * | * | n | NotF╗ | 1.13 | * | | 1070 | 2.5 | 0.447 | * | 0.988-0.998 |
| Hexa | PCB-159 | * | * | n | NotF╗ | 1.16 | * | | 1070 | 2.5 | 0.435 | * | 0.995-1.005 |
| Hexa | PCB-128/162 | * | * | n | NotF╗ | 0.89 | * | | 1070 | 2.5 | 0.565 | * | 1.002-1.012 |
| Hexa | PCB-167 | * | * | n | NotF╗ | 1.02 | * | | 1070 | 2.5 | 0.467 | * | 0.995-1.005 |
| Hexa | PCB-156 | * | * | n | NotF╗ | 1.06 | * | | 1070 | 2.5 | 0.448 | * | 0.995-1.005 |
| Hexa | PCB-157 | * | * | n | NotF╗ | 1.02 | * | | 1070 | 2.5 | 0.476 | * | 0.996-1.006 |
| Hexa | PCB-169 | * | * | n | NotF╗ | 1.13 | * | | 1070 | 2.5 | 0.402 | * | 0.995-1.005 |
| Hepta | PCB-188 | * | * | n | NotF╗ | 1.37 | * | | 1380 | 2.5 | 0.445 | * | 0.995-1.005 |
| Hepta | PCB-184 | * | * | n | NotF╗ | 1.32 | * | | 1380 | 2.5 | 0.464 | * | 1.006-1.016 |
| Hepta | PCB-179 | * | * | n | NotF╗ | 1.38 | * | | 1380 | 2.5 | 0.441 | * | 1.024-1.034 |
| Hepta | PCB-176 | * | * | n | NotF╗ | 1.31 | * | | 1380 | 2.5 | 0.467 | * | 1.035-1.045 |
| Hepta | PCB-186 | * | * | n | NotF╗ | 1.42 | * | | 1380 | 2.5 | 0.430 | * | 1.049-1.059 |
| Hepta | PCB-178 | * | * | n | NotF╗ | 0.97 | * | | 1380 | 2.5 | 0.631 | * | 1.060-1.070 |
| Hepta | PCB-175 | * | * | n | NotF╗ | 1.00 | * | | 1380 | 2.5 | 0.612 | * | 1.069-1.079 |
| Hepta | PCB-182/187 | * | * | n | NotF╗ | 1.14 | * | | 1380 | 2.5 | 0.535 | * | 1.072-1.082 |
| Hepta | PCB-183 | * | * | n | NotF╗ | 1.13 | * | | 1380 | 2.5 | 0.542 | * | 1.080-1.090 |
| Hepta | PCB-185 | * | * | n | NotF╗ | 1.36 | * | | 1380 | 2.5 | 0.555 | * | 0.950-0.960 |
| Hepta | PCB-174 | * | * | n | NotF╗ | 1.42 | * | | 1380 | 2.5 | 0.532 | * | 0.958-0.968 |
| Hepta | PCB-181 | * | * | n | NotF╗ | 1.48 | * | | 1380 | 2.5 | 0.510 | * | 0.960-0.970 |
| Hepta | PCB-177 | * | * | n | NotF╗ | 1.33 | * | | 1380 | 2.5 | 0.567 | * | 0.963-0.973 |
| Hepta | PCB-171 | * | * | n | NotF╗ | 1.37 | * | | 1380 | 2.5 | 0.549 | * | 0.969-0.979 |
| Hepta | PCB-173 | * | * | n | NotF╗ | 1.27 | * | | 1380 | 2.5 | 0.593 | * | 0.978-0.988 |
| Hepta | PCB-172 | * | * | n | NotF╗ | 1.39 | * | | 1380 | 2.5 | 0.543 | * | 0.987-0.997 |
| Hepta | PCB-192 | * | * | n | NotF╗ | 1.80 | * | | 1380 | 2.5 | 0.417 | * | 0.991-1.001 |
| Hepta | PCB-180 | * | * | n | NotF╗ | 1.52 | * | | 1380 | 2.5 | 0.496 | * | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: Method Blank  Filename: 180409E1  S-4  Acq:9-APR-18 20:49:06  ConCal: ST180409E1-1  
Lab ID: B8D0041-BLK1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 1.000  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | * | * | n NotF╗ | 1.71 | * | | 1380 | 2.5 | 0.440 | * | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n NotF╗ | 1.74 | * | | 1380 | 2.5 | 0.433 | * | 1.005-1.015 |
| Hepta | PCB-170 | * | * | n NotF╗ | 1.44 | * | | 1380 | 2.5 | 0.544 | * | 0.995-1.005 |
| Hepta | PCB-190 | * | * | n NotF╗ | 1.95 | * | | 1380 | 2.5 | 0.400 | * | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n NotF╗ | 1.46 | * | | 1380 | 2.5 | 0.351 | * | 0.995-1.005 |
| Octa | PCB-202 | * | * | n NotF╗ | 1.06 | * | | 1460 | 2.5 | 0.674 | * | 0.995-1.005 |
| Octa | PCB-201 | * | * | n NotF╗ | 0.98 | * | | 1460 | 2.5 | 0.728 | * | 1.006-1.016 |
| Octa | PCB-204 | * | * | n NotF╗ | 1.07 | * | | 1460 | 2.5 | 0.665 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n NotF╗ | 1.10 | * | | 1460 | 2.5 | 0.648 | * | 1.015-1.025 |
| Octa | PCB-200 | * | * | n NotF╗ | 1.04 | * | | 1460 | 2.5 | 0.683 | * | 1.034-1.044 |
| Octa | PCB-198 | * | * | n NotF╗ | 0.84 | * | | 1460 | 2.5 | 0.848 | * | 1.065-1.075 |
| Octa | PCB-199 | * | * | n NotF╗ | 0.80 | * | | 1460 | 2.5 | 0.891 | * | 1.067-1.077 |
| Octa | PCB-196/203 | * | * | n NotF╗ | 0.84 | * | | 1460 | 2.5 | 0.846 | * | 1.072-1.082 |
| Octa | PCB-195 | * | * | n NotF╗ | 1.04 | * | | 989 | 2.5 | 0.460 | * | 0.979-0.989 |
| Octa | PCB-194 | 3.18e+04 | 0.78 | y 54:03 | 1.16 | 0.7884 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | * | * | n NotF╗ | 1.33 | * | | 989 | 2.5 | 0.358 | * | 1.000-1.010 |
| Nona | PCB-208 | * | * | n NotF╗ | 0.90 | * | | 880 | 2.5 | 0.326 | * | 0.995-1.005 |
| Nona | PCB-207 | * | * | n NotF╗ | 0.89 | * | | 880 | 2.5 | 0.329 | * | 1.001-1.011 |
| Nona | PCB-206 | * | * | n NotF╗ | 0.88 | * | | 880 | 2.5 | 0.402 | * | 0.995-1.005 |
| Deca | PCB-209 | * | * | n NotF╗ | 1.04 | * | | 853 | 2.5 | 0.419 | * | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: Method Blank  Filename: 180409E1  S:4  Acq:9-APR-18 20:49:06  ConCal: ST180409E1-1
Lab ID: B8D0041-BLK1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 1.000  EndCAL: NA

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | * | * | n | NotFnd | 1.06 | * | |
| Total Di-PCB | 5.81e+05 | 1.52 | y | 25:09 | 1.04 | 8.39715 | |
| Total Tri-PCB | 1.32e+05 | 1.00 | y | 25:46 | 1.15 | 2.09469 | |
| Total Tri-PCB | * | * | n | NotFnd | 1.05 | * | Sum:2.09469 |
| Total Tetra-PCB | * | * | n | NotFnd | 1.06 | * | |
| Total Penta-PCB | * | * | n | NotFnd | 1.18 | * | |
| Total Penta-PCB | * | * | n | NotFnd | 1.12 | * | Sum:0.00000 |
| Total Hexa-PCB | * | * | n | NotFnd | 0.91 | * | |
| Total Hexa-PCB | * | * | n | NotFnd | 1.00 | * | Sum:0.00000 |
| Total Hepta-PCB | * | * | n | NotFnd | 1.35 | * | |
| Total Octa-PCB | * | * | n | NotFnd | 0.95 | * | |
| Total Octa-PCB | 3.18e+04 | 0.78 | y | 54:03 | 1.17 | 0.788375 | Sum:0.788375 |
| Total Nona-PCB | * | * | n | NotFnd | 0.89 | * | |
| Total Deca-PCB | * | * | n | NotFnd | 1.04 | * | |

Total PCB Conc:20.3666080000

Integrations by Analyst: DB

Date: 4/10/18

Client ID: Method Blank  Filename: 180409E1  S:4  Acq:9-APR-18 20:49:06  ConCal: ST180409E1-1
Lab ID: B8D0041-BLK1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol:1.0000  EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 9.87e+07 | 3.17 y | 1.13 | 15:59 | 0.618 | 0.616 | 0.622 | 1020 | 51.0 |
| 13C-PCB-3 | 1.02e+08 | 3.19 y | 1.21 | 18:36 | 0.720 | 0.716 | 0.724 | 981 | 49.1 |
| 13C-PCB-4 | 6.64e+07 | 1.53 y | 0.59 | 19:57 | 0.772 | 0.769 | 0.777 | 1310 | 65.3 |
| 13C-PCB-9 | 1.15e+08 | 1.50 y | 0.94 | 21:45 | 0.841 | 0.837 | 0.845 | 1420 | 71.2 |
| 13C-PCB-11 | 1.24e+08 | 1.53 y | 0.95 | 25:08 | 0.972 | 0.968 | 0.978 | 1530 | 76.7 |
| 13C-PCB-19 | 8.26e+07 | 1.05 y | 0.62 | 24:06 | 0.932 | 0.928 | 0.938 | 1550 | 77.4 |
| 13C-PCB-28 | 1.19e+08 | 1.06 y | 1.05 | 29:00 | 1.003 | 0.999 | 1.009 | 1430 | 71.7 |
| 13C-PCB-32 | 1.31e+08 | 1.06 y | 0.91 | 27:02 | 1.046 | 1.041 | 1.051 | 1680 | 84.0 |
| 13C-PCB-37 | 1.27e+08 | 1.05 y | 1.02 | 32:53 | 1.138 | 1.132 | 1.144 | 1570 | 78.3 |
| 13C-PCB-47 | 1.15e+08 | 0.80 y | 0.83 | 31:55 | 0.870 | 0.867 | 0.875 | 1570 | 78.5 |
| 13C-PCB-52 | 1.08e+08 | 0.79 y | 0.76 | 31:25 | 0.857 | 0.853 | 0.861 | 1610 | 80.6 |
| 13C-PCB-54 | 1.22e+08 | 0.79 y | 0.93 | 27:52 | 0.760 | 0.756 | 0.764 | 1490 | 74.7 |
| 13C-PCB-70 | 1.45e+08 | 0.79 y | 1.00 | 35:26 | 0.966 | 0.961 | 0.971 | 1650 | 82.7 |
| 13C-PCB-77 | 1.45e+08 | 0.80 y | 0.96 | 39:33 | 1.079 | 1.073 | 1.083 | 1720 | 86.1 |
| 13C-PCB-80 | 1.41e+08 | 0.79 y | 1.00 | 35:52 | 0.978 | 0.973 | 0.983 | 1620 | 80.9 |
| 13C-PCB-81 | 1.50e+08 | 0.78 y | 1.01 | 38:57 | 1.062 | 1.057 | 1.067 | 1700 | 84.8 |
| 13C-PCB-95 | 9.17e+07 | 1.57 y | 0.80 | 35:44 | 0.912 | 0.908 | 0.918 | 1710 | 85.6 |
| 13C-PCB-97 | 8.18e+07 | 1.60 y | 0.70 | 38:43 | 0.989 | 0.984 | 0.994 | 1750 | 87.4 |
| 13C-PCB-101 | 9.16e+07 | 1.57 y | 0.80 | 37:25 | 0.955 | 0.951 | 0.961 | 1710 | 85.6 |
| 13C-PCB-104 | 1.06e+08 | 1.57 y | 1.01 | 32:34 | 0.831 | 0.828 | 0.836 | 1580 | 79.1 |
| 13C-PCB-105 | 9.85e+07 | 1.56 y | 1.14 | 42:58 | 0.929 | 0.924 | 0.934 | 1630 | 81.6 |
| 13C-PCB-114 | 9.57e+07 | 1.60 y | 1.18 | 42:07 | 0.910 | 0.905 | 0.915 | 1530 | 76.5 |
| 13C-PCB-118 | 1.07e+08 | 1.59 y | 1.00 | 41:28 | 1.059 | 1.054 | 1.064 | 1620 | 80.8 |
| 13C-PCB-123 | 1.01e+08 | 1.55 y | 0.95 | 41:17 | 1.054 | 1.049 | 1.059 | 1600 | 79.9 |
| 13C-PCB-126 | 1.01e+08 | 1.56 y | 1.14 | 45:12 | 0.977 | 0.972 | 0.982 | 1680 | 84.2 |
| 13C-PCB-127 | 1.06e+08 | 1.57 y | 1.24 | 43:19 | 0.936 | 0.931 | 0.941 | 1620 | 81.0 |
| 13C-PCB-138 | 1.05e+08 | 1.29 y | 1.17 | 44:42 | 0.966 | 0.962 | 0.972 | 1700 | 84.9 |
| 13C-PCB-141 | 9.91e+07 | 1.28 y | 1.11 | 43:53 | 0.948 | 0.944 | 0.954 | 1690 | 84.6 |
| 13C-PCB-153 | 1.10e+08 | 1.25 y | 1.34 | 43:09 | 0.933 | 0.928 | 0.938 | 1560 | 77.8 |
| 13C-PCB-155 | 1.04e+08 | 1.27 y | 0.83 | 36:58 | 0.944 | 0.939 | 0.949 | 1880 | 94.1 |
| 13C-PCB-156 | 1.31e+08 | 1.28 y | 1.38 | 47:58 | 1.037 | 1.032 | 1.042 | 1790 | 89.4 |
| 13C-PCB-157 | 1.30e+08 | 1.27 y | 1.37 | 48:14 | 1.043 | 1.037 | 1.047 | 1790 | 89.5 |
| 13C-PCB-159 | 1.25e+08 | 1.28 y | 1.39 | 46:00 | 0.994 | 0.989 | 0.999 | 1710 | 85.5 |
| 13C-PCB-167 | 1.28e+08 | 1.27 y | 1.40 | 46:41 | 1.009 | 1.004 | 1.014 | 1730 | 86.6 |
| 13C-PCB-169 | 1.33e+08 | 1.26 y | 1.39 | 50:27 | 1.090 | 1.085 | 1.095 | 1800 | 90.2 |
| 13C-PCB-170 | 6.13e+07 | 0.47 y | 0.86 | 50:51 | 1.103 | 1.097 | 1.109 | 1820 | 91.2 |
| 13C-PCB-180 | 6.86e+07 | 0.46 y | 0.98 | 49:15 | 1.068 | 1.064 | 1.074 | 1790 | 89.6 |
| 13C-PCB-188 | 8.40e+07 | 0.45 y | 1.40 | 42:46 | 0.928 | 0.923 | 0.933 | 1530 | 76.7 |
| 13C-PCB-189 | 8.39e+07 | 0.45 y | 1.15 | 52:28 | 1.138 | 1.132 | 1.144 | 1860 | 93.2 |
| 13C-PCB-194 | 6.97e+07 | 0.90 y | 0.77 | 54:03 | 0.995 | 0.990 | 1.000 | 1700 | 85.1 |
| 13C-PCB-202 | 1.00e+08 | 0.90 y | 1.28 | 48:11 | 1.045 | 1.040 | 1.050 | 1990 | 99.6 |
| 13C-PCB-206 | 8.42e+07 | 0.79 y | 0.81 | 55:36 | 1.024 | 1.019 | 1.029 | 1960 | 98.0 |
| 13C-PCB-208 | 1.00e+08 | 0.78 y | 1.09 | 53:18 | 0.981 | 0.977 | 0.987 | 1730 | 86.4 |
| 13C-PCB-209 | 8.86e+07 | 1.22 y | 0.74 | 56:55 | 1.048 | 1.043 | 1.053 | 2270 | 113 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.85e+08 | 0.79 y | 1.03 | 37:45 | 1.030 | 1.024 | 1.034 | 2040 | 102 |
| 13C-PCB-178 | 7.84e+07 | 0.46 y | 0.93 | 45:33 | 0.985 | 0.980 | 0.990 | 2160 | 108 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.85e+08 | 0.79 y | 1.03 | 37:45 | 0.969 | 0.963 | 0.973 | 2400 | 120 |
| 13C-PCB-178 | 7.84e+07 | 0.46 y | 0.95 | 45:33 | 0.925 | 0.920 | 0.930 | 2400 | 120 |

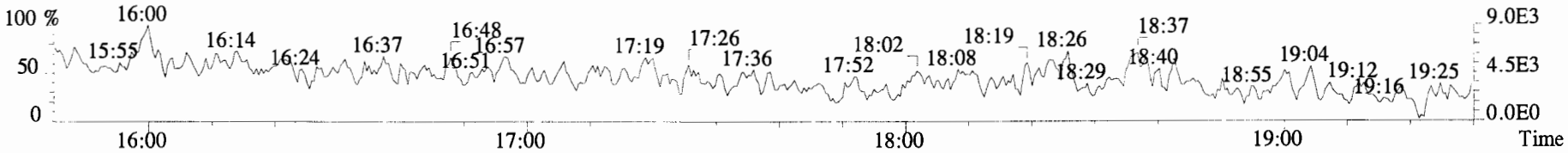
RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 1.71e+08 | 1.53 y | 1.00 | 25:51 | 2000 |
| 13C-PCB-31 | 1.59e+08 | 1.03 y | 1.00 | 28:54 | 2000 |
| 13C-PCB-60 | 1.75e+08 | 0.79 y | 1.00 | 36:40 | 2000 |
| 13C-PCB-111 | 1.33e+08 | 1.58 y | 1.00 | 39:10 | 2000 |
| 13C-PCB-128 | 1.06e+08 | 1.29 y | 1.00 | 46:16 | 2000 |
| 13C-PCB-182 | 7.84e+07 | 0.47 y | 1.00 | 46:06 | 2000 |
| 13C-PCB-205 | 1.06e+08 | 0.90 y | 1.00 | 54:19 | 2000 |

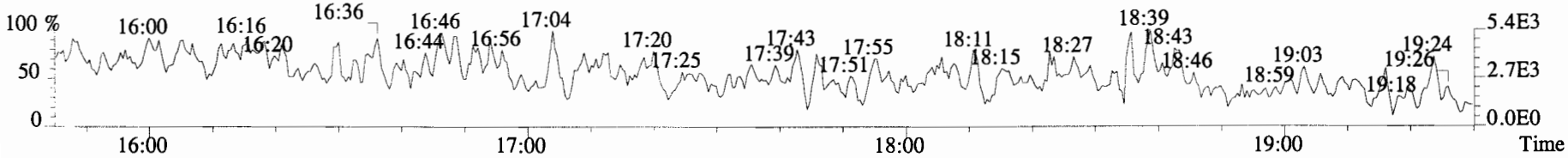
Analyst: DB

Date: 4/10/18

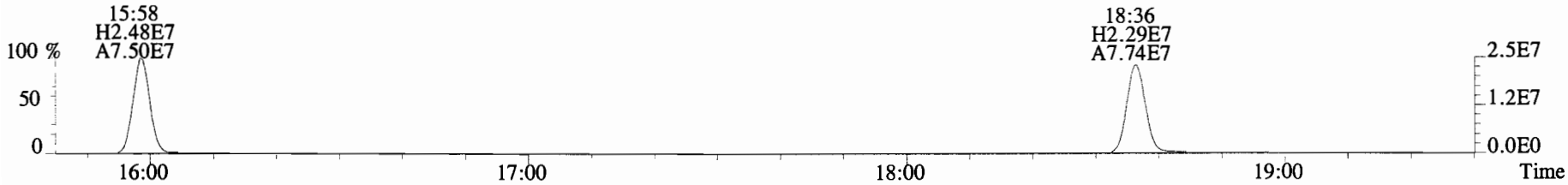
File:180409E1 #1-867 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
188.0393 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4856.0,0.00%,F,F)



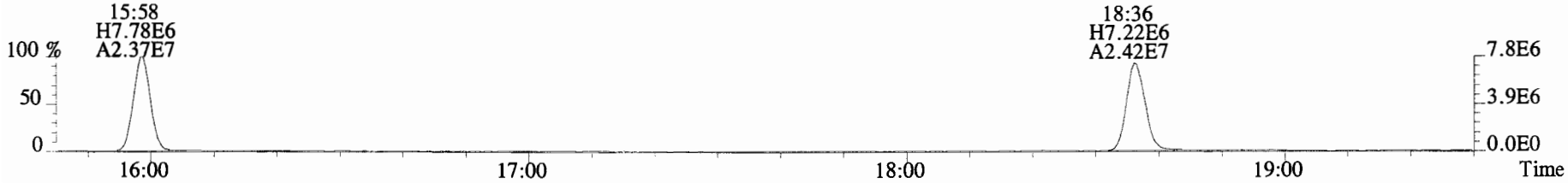

190.0363 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3520.0,0.00%,F,F)



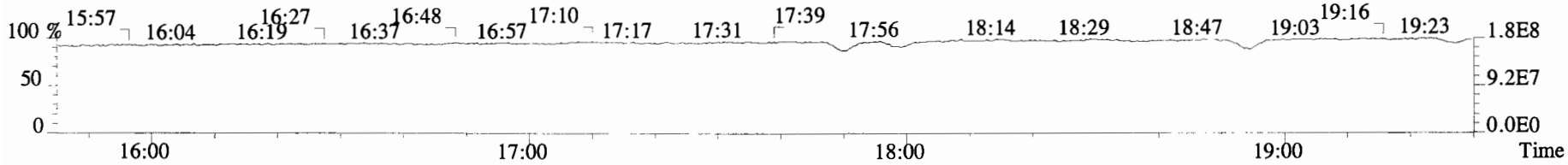

200.0795 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7164.0,0.00%,F,F)



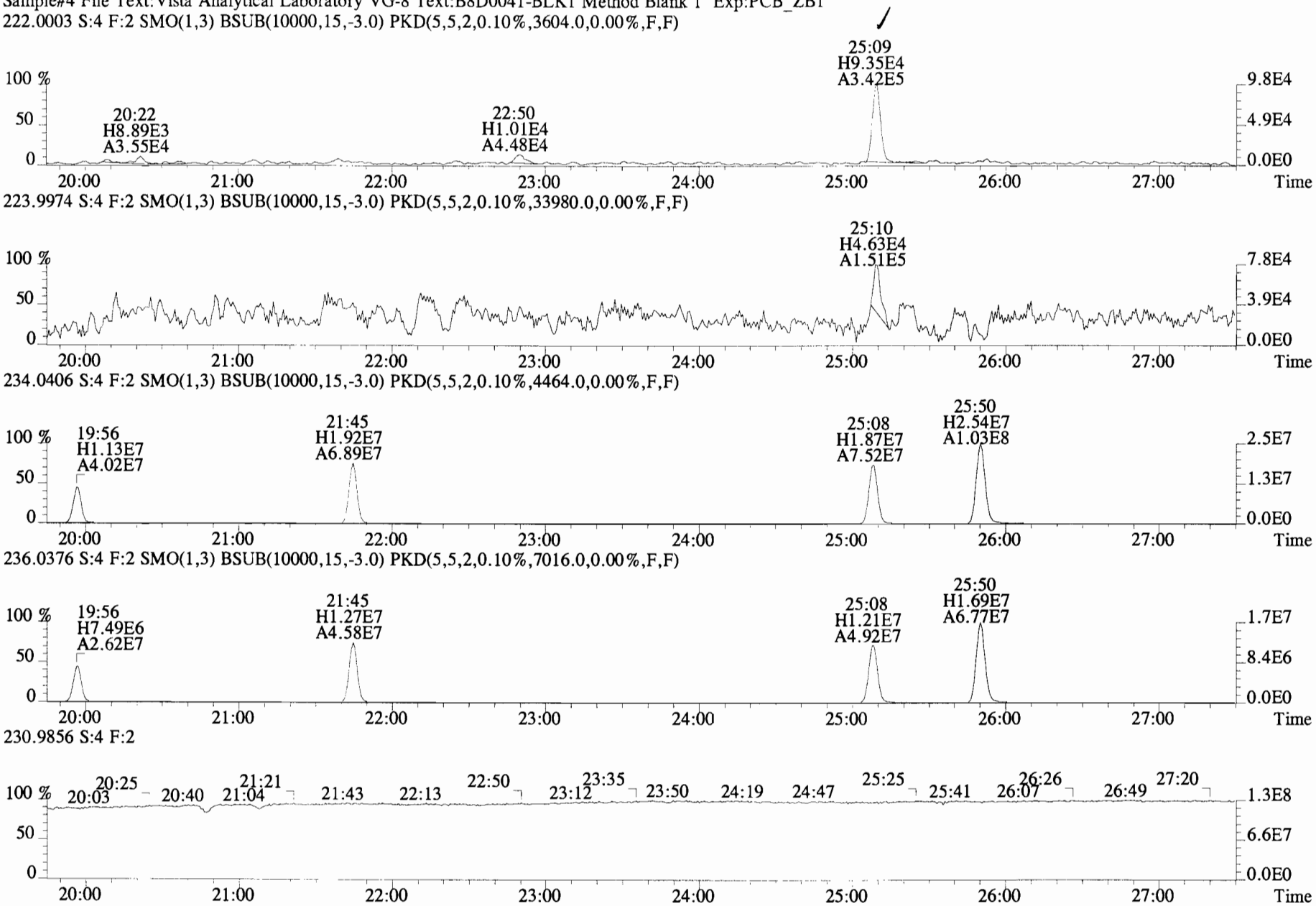

202.0766 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,45816.0,0.00%,F,F)



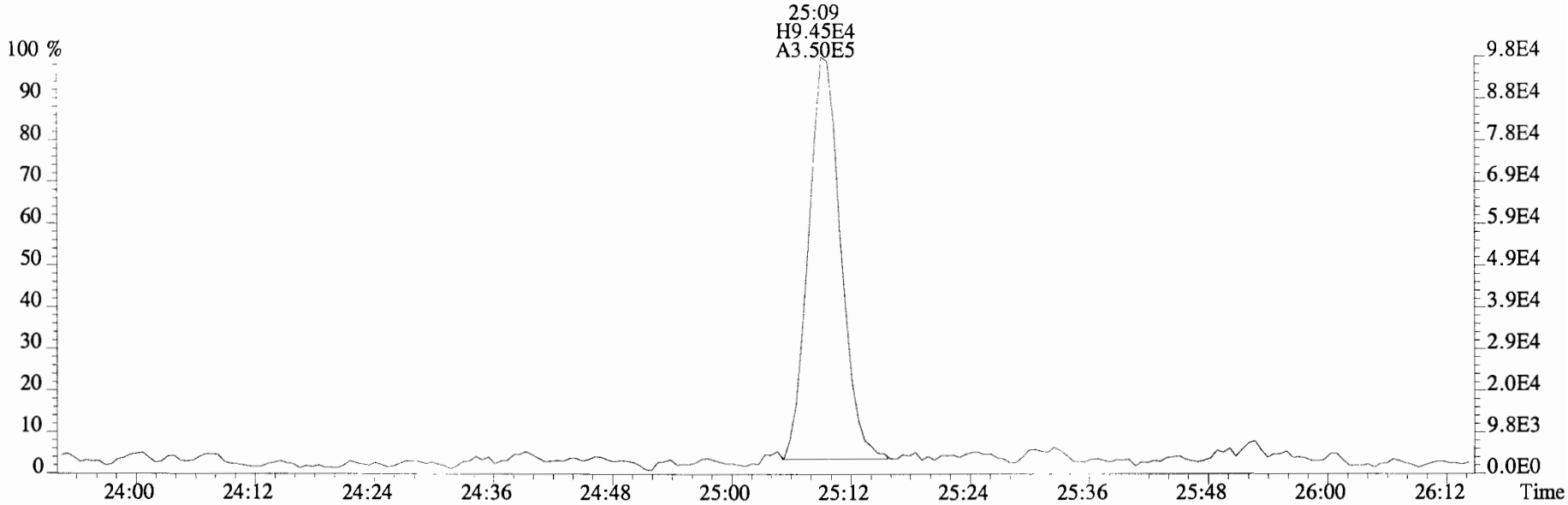

180.9880 S:4



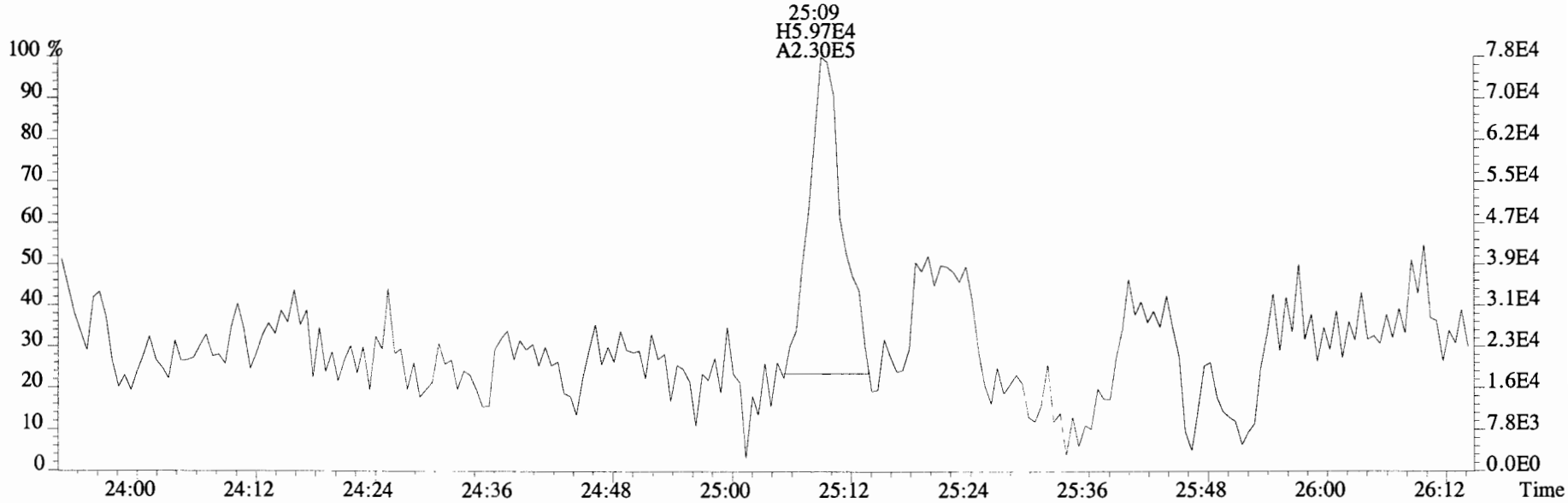
File:180409E1 #1-757 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1



File:180409E1 #1-757 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
222.0003 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3604.0,0.00%,F,F)

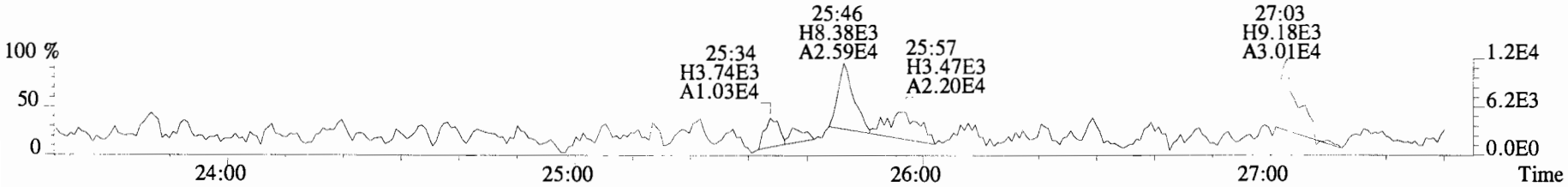



223.9974 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33980.0,0.00%,F,F)

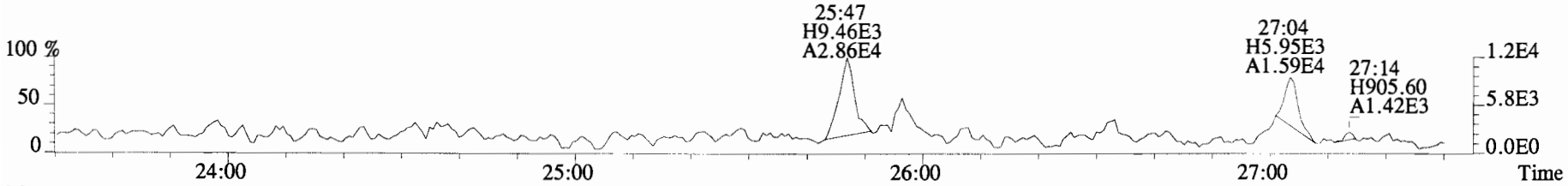


File:180409E1 #1-757 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1

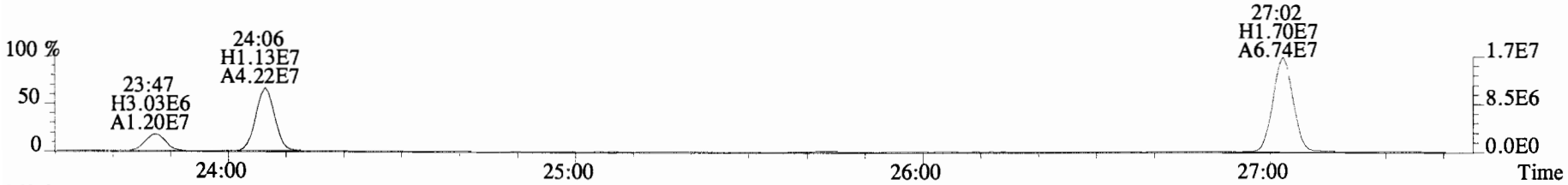
255.9613 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3144.0,0.00%,F,F)



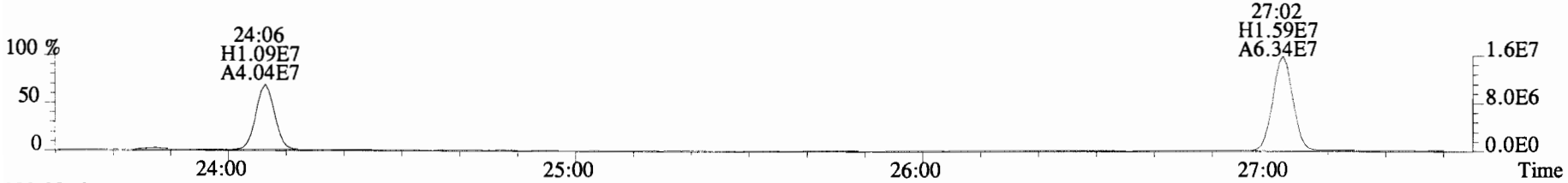

257.9584 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2480.0,0.00%,F,F)



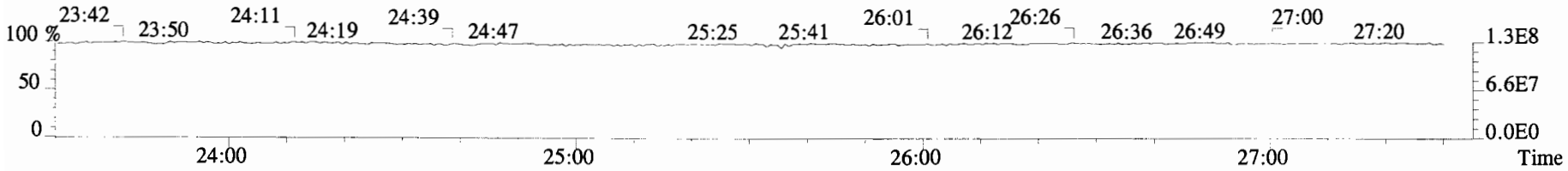

268.0016 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,102388.0,0.00%,F,F)



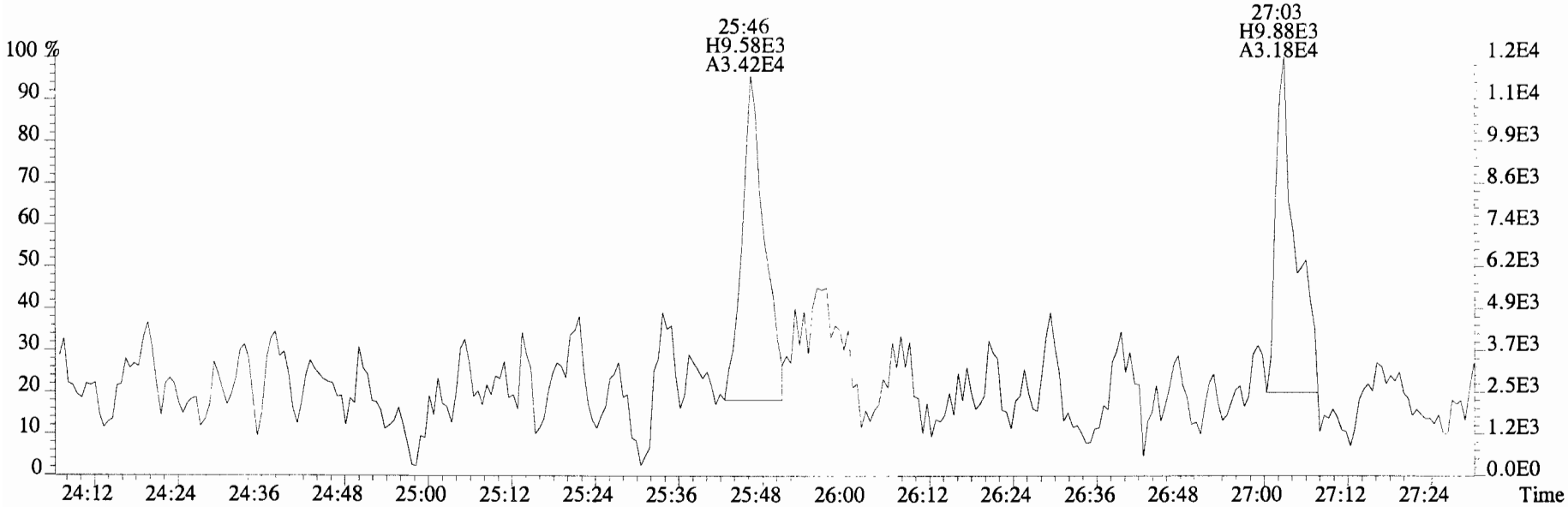

269.9986 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,99572.0,0.00%,F,F)



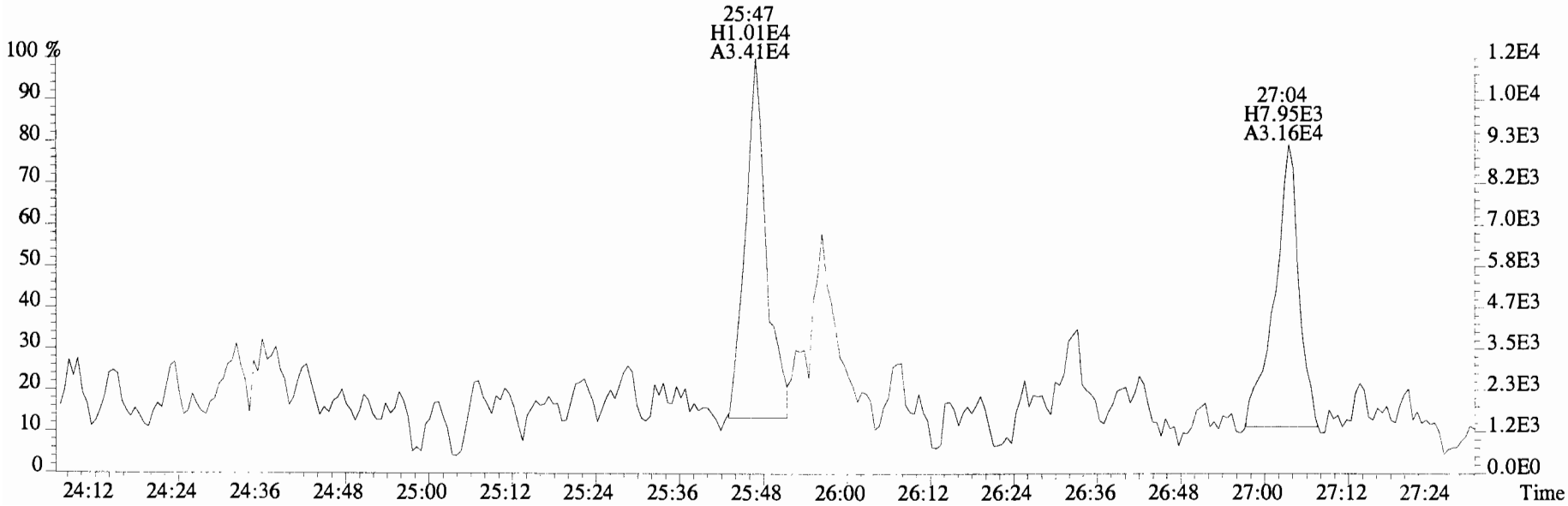

230.9856 S:4 F:2



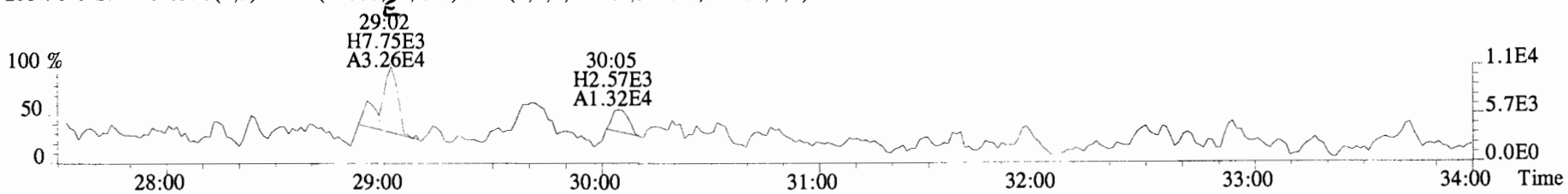
File:180409E1 #1-757 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
255.9613 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3144.0,0.00%,F,F)



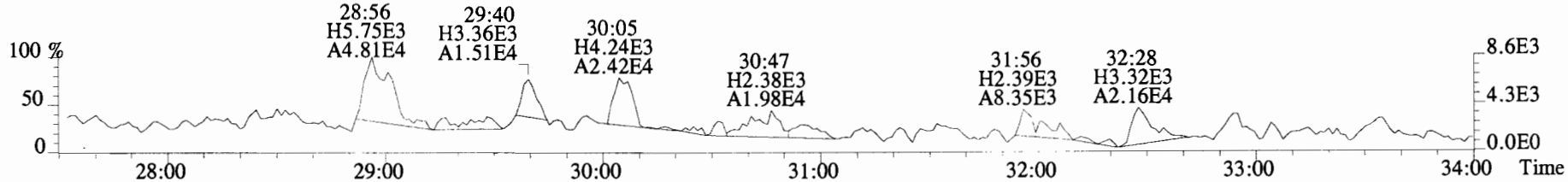

257.9584 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2480.0,0.00%,F,F)



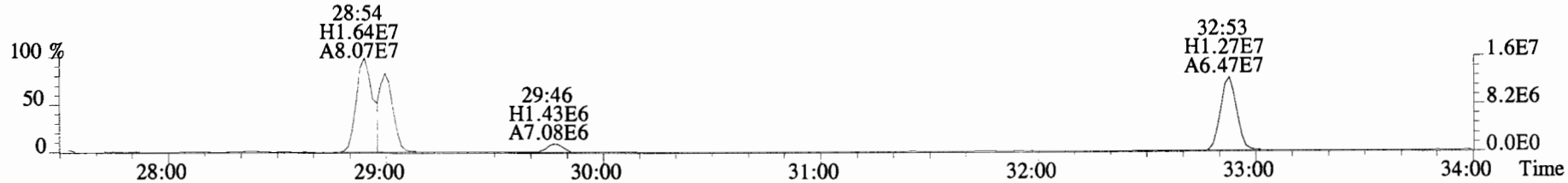
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UitimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
255.9613 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3620.0,0.00%,F,F)




257.9584 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2708.0,0.00%,F,F)

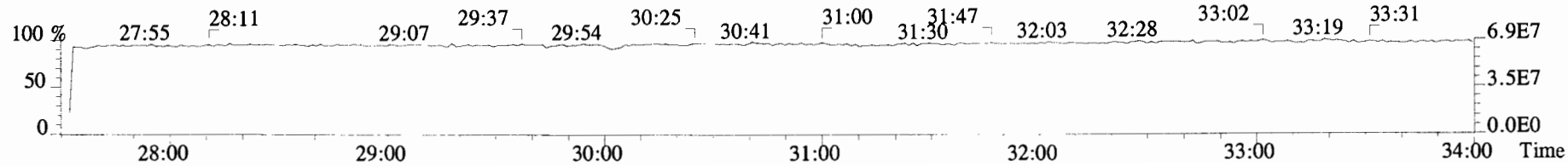



268.0016 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,132284.0,0.00%,F,F)

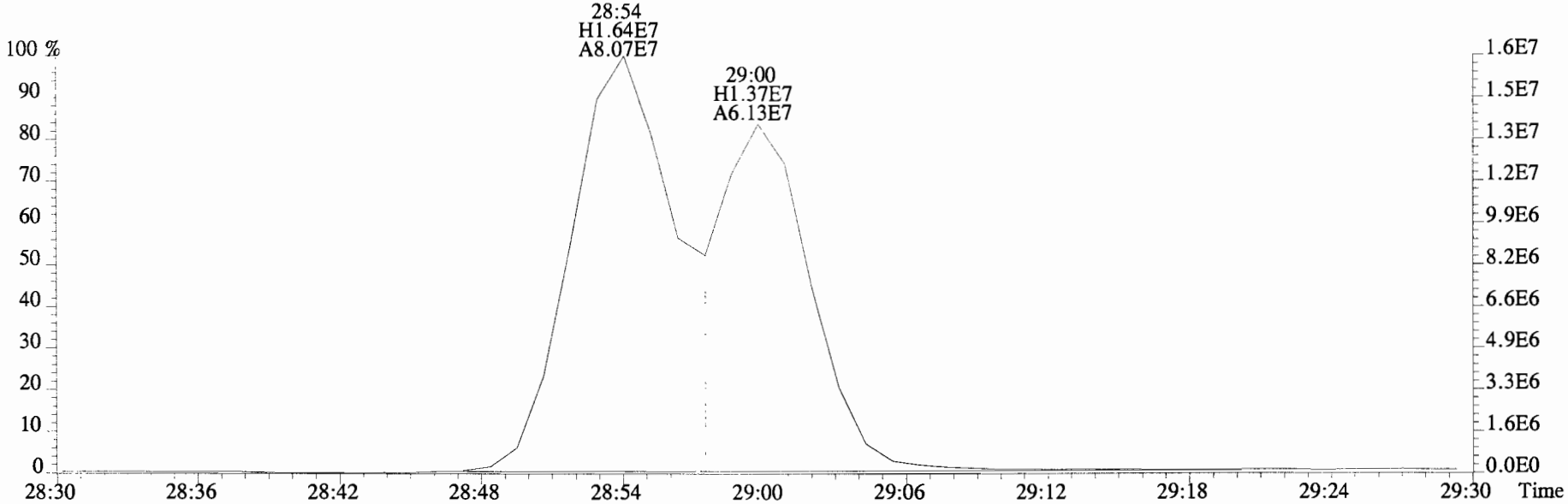



269.9986 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,103596.0,0.00%,F,F)

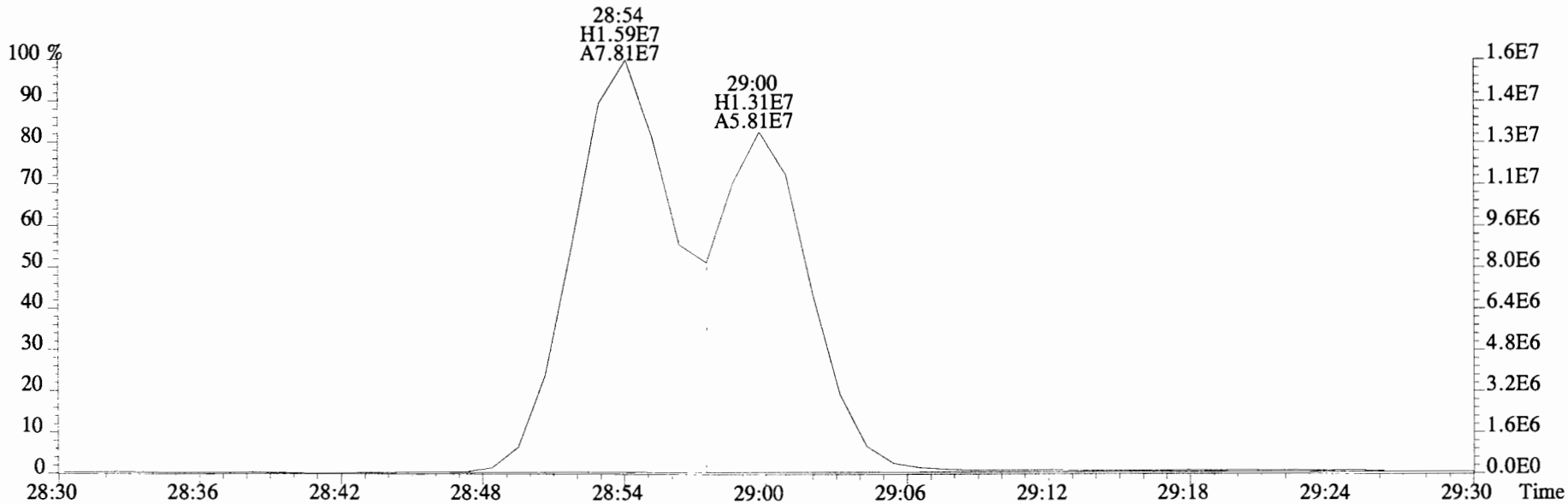
330.9792 S:4 F:3



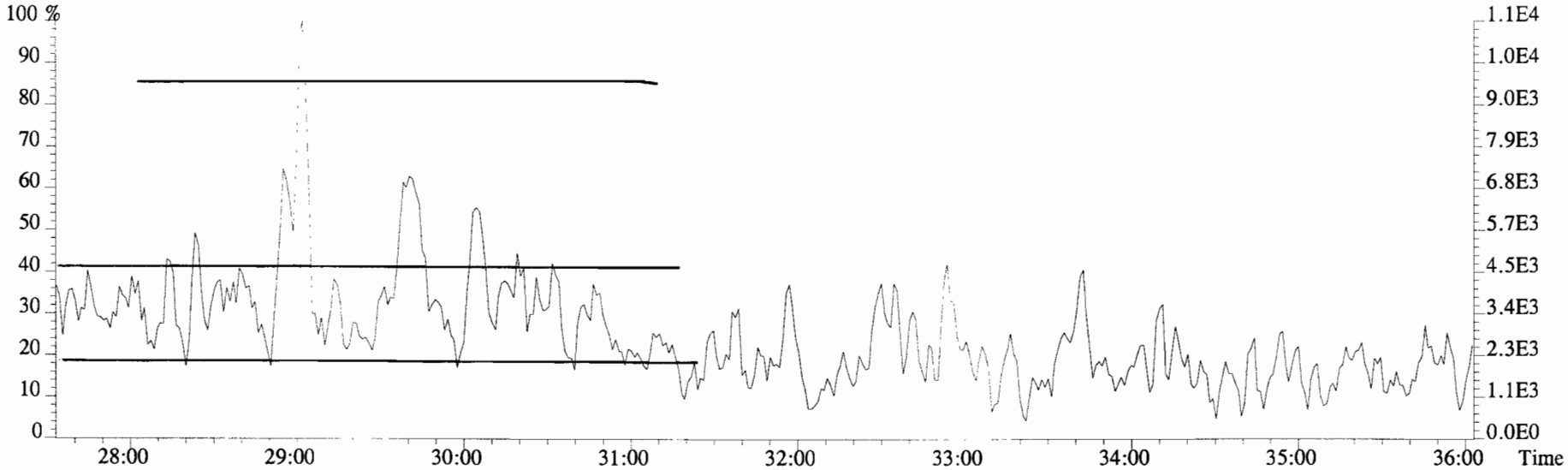
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
268.0016 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,132284.0,0.00%,F,F)



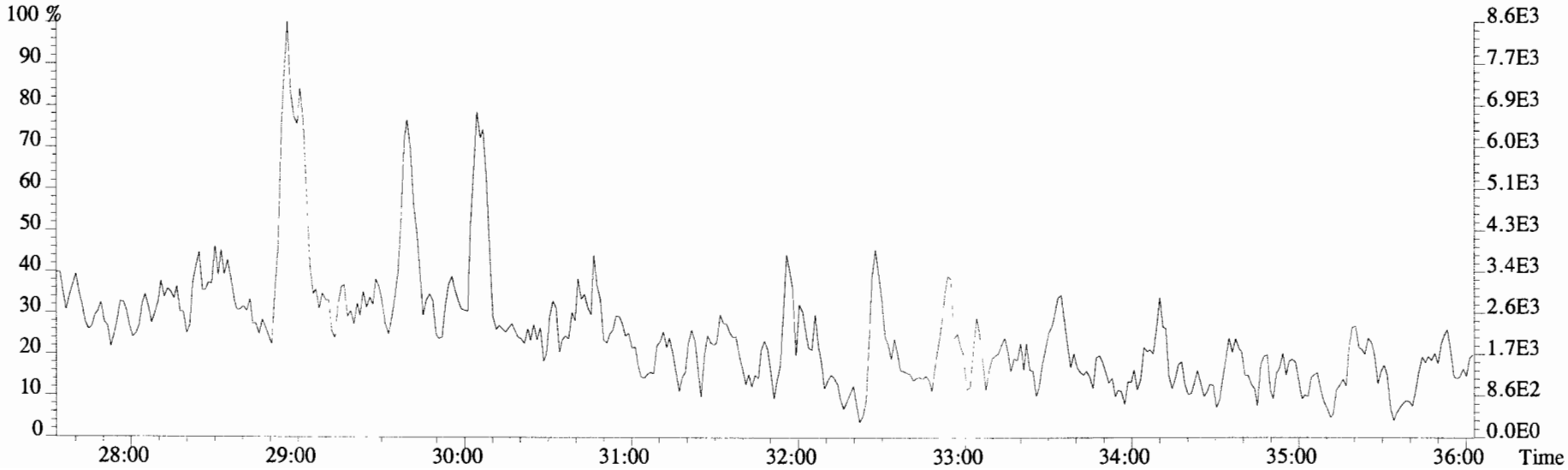

269.9986 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,103596.0,0.00%,F,F)



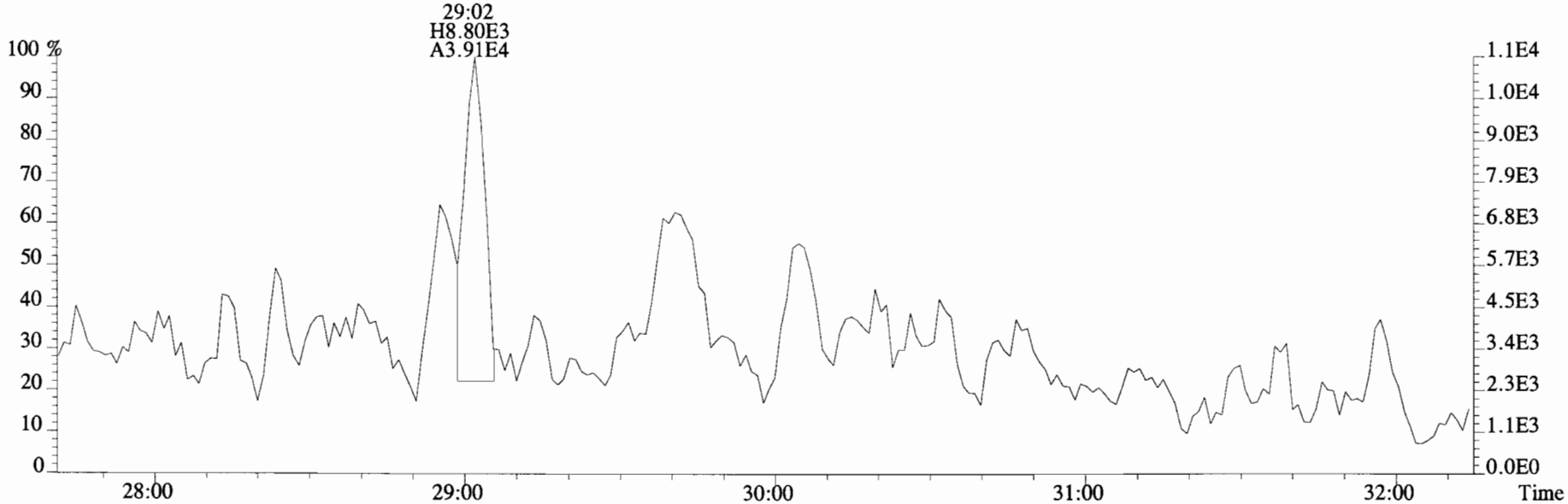
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
255.9613 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3620.0,0.00%,F,F)



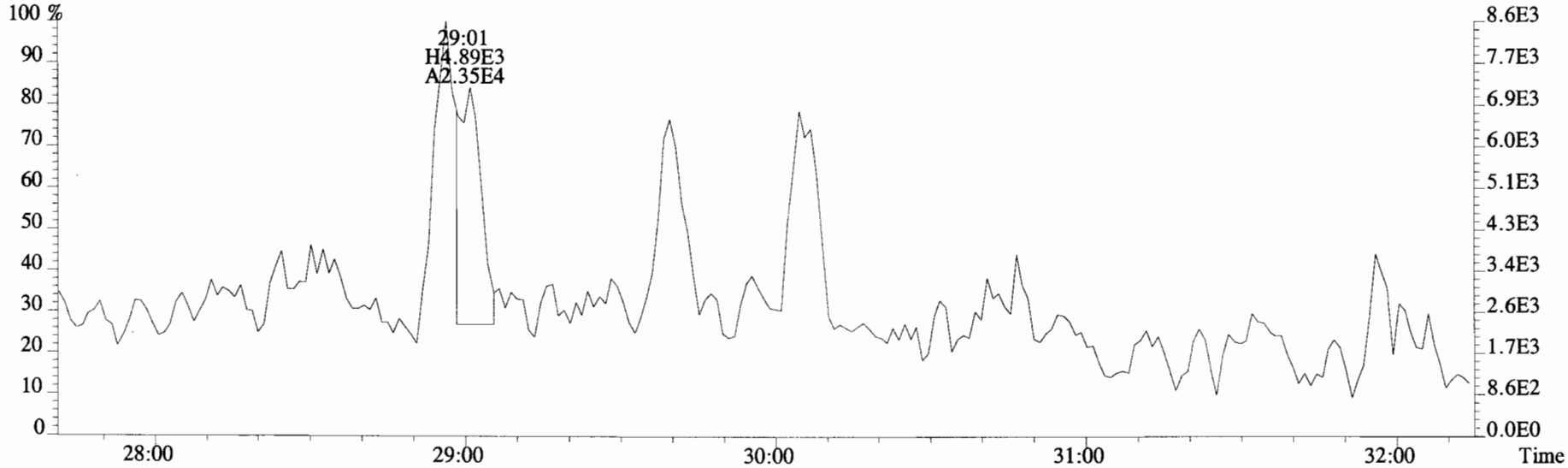

257.9584 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2708.0,0.00%,F,F)



File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
255.9613 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3620.0,0.00%,F,F)

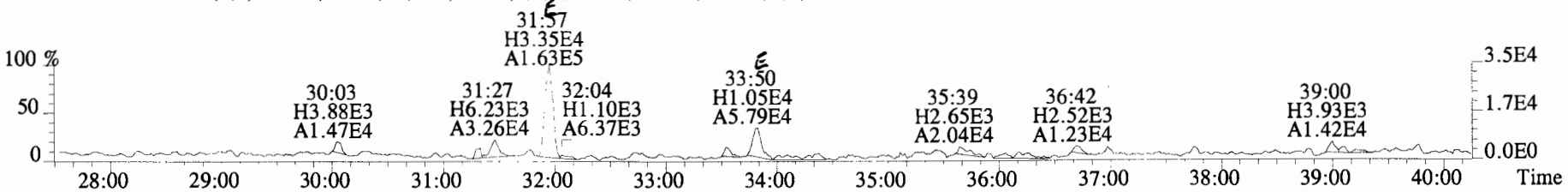



257.9584 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2708.0,0.00%,F,F)

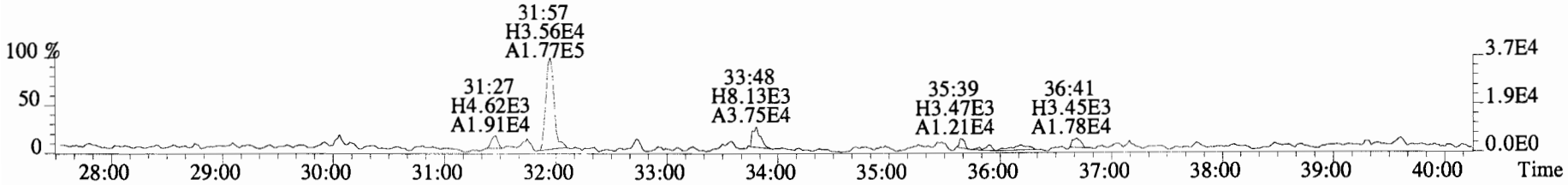


File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1

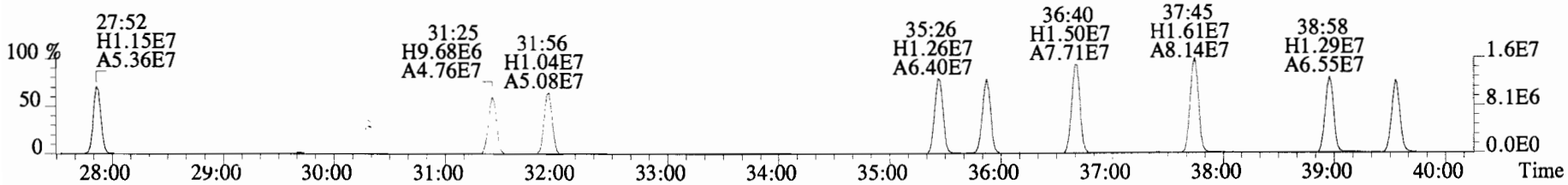
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2932.0,0.00%,F,F)



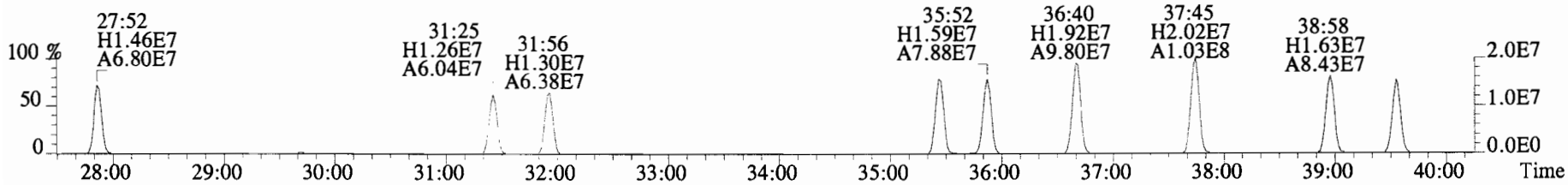

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2924.0,0.00%,F,F)



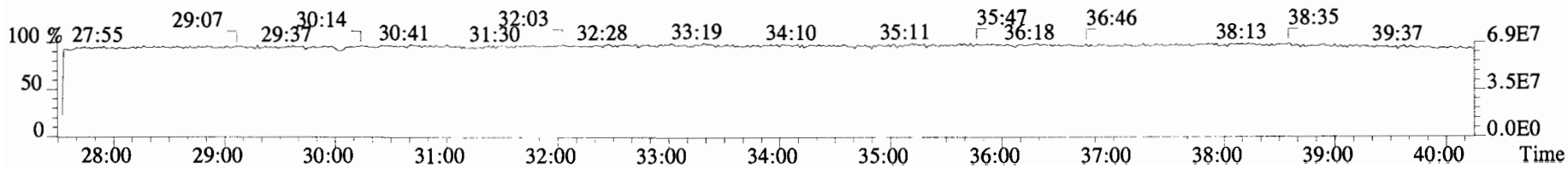

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28996.0,0.00%,F,F)



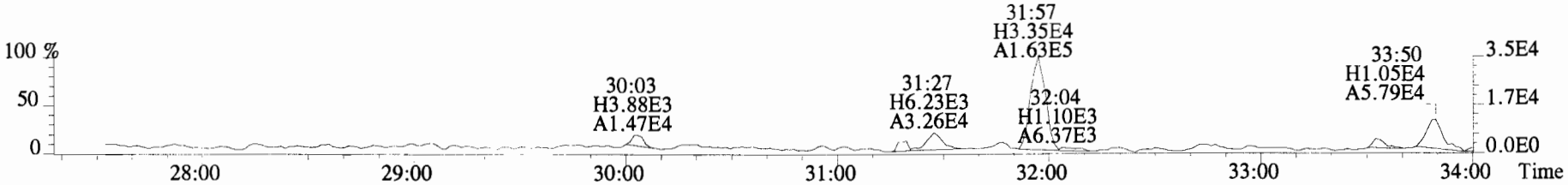

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17332.0,0.00%,F,F)



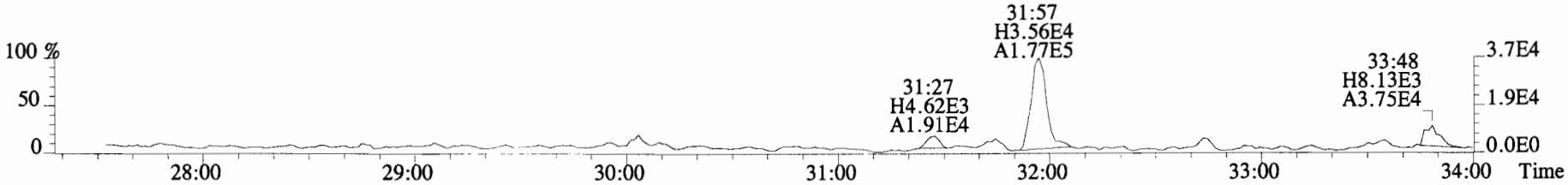

330.9792 S:4 F:3



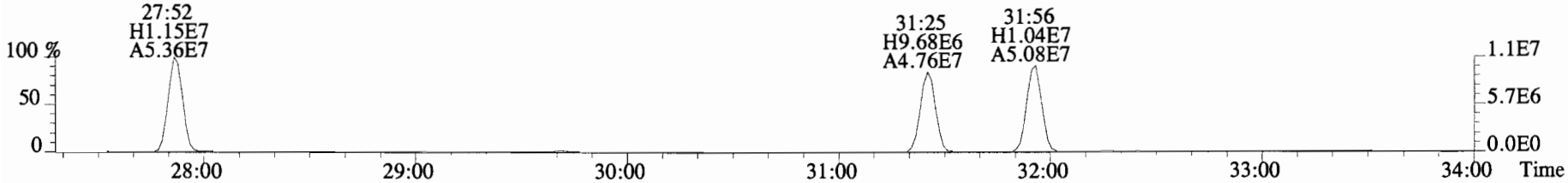
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2932.0,0.00%,F,F)



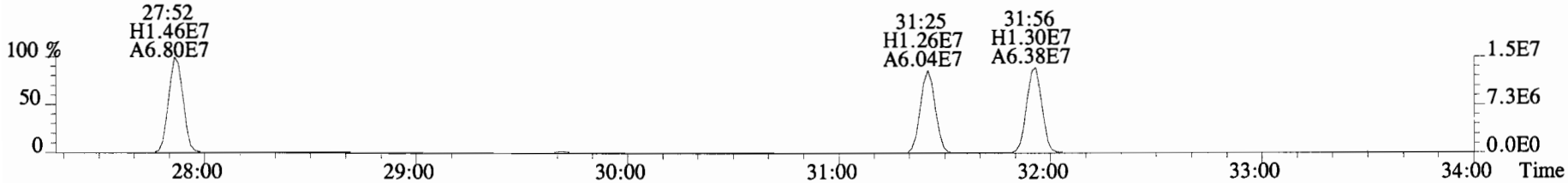

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2924.0,0.00%,F,F)



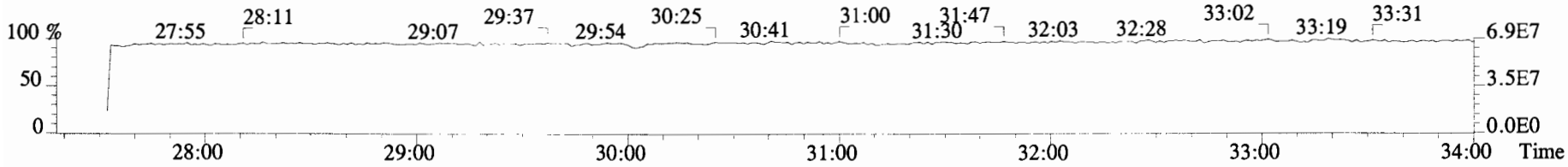

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28996.0,0.00%,F,F)



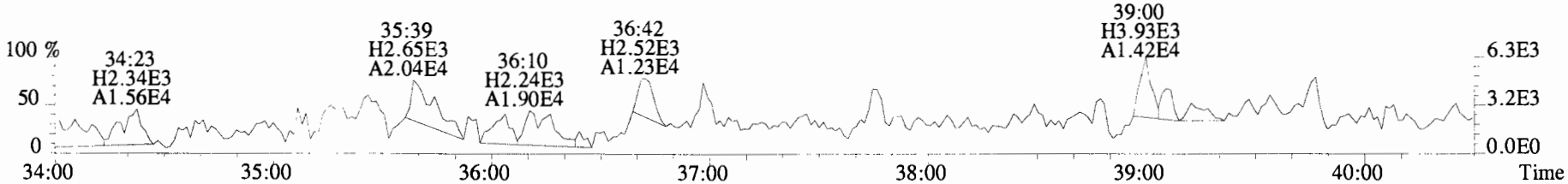

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17332.0,0.00%,F,F)



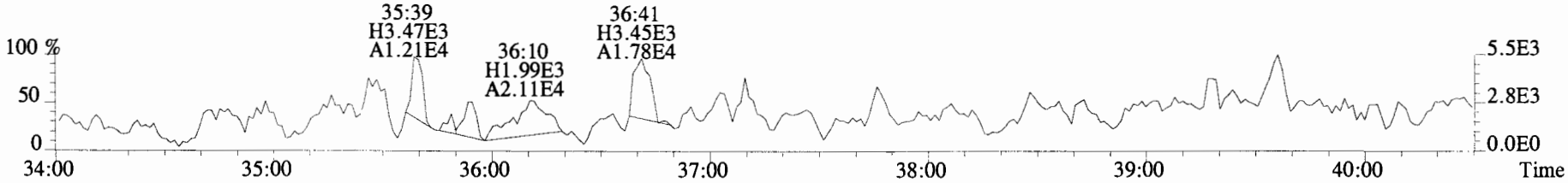

330.9792 S:4 F:3



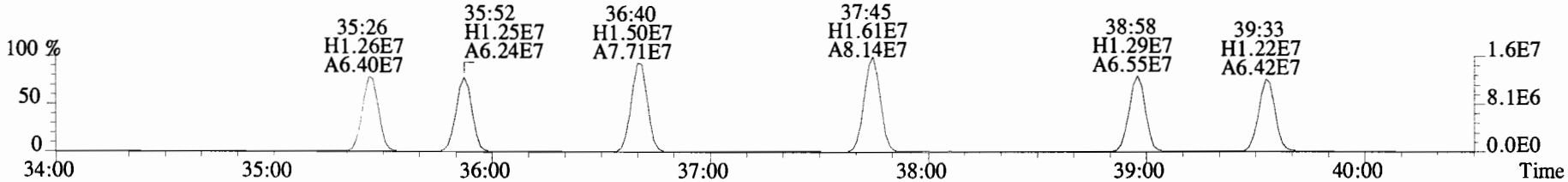
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2932.0,0.00%,F,F)



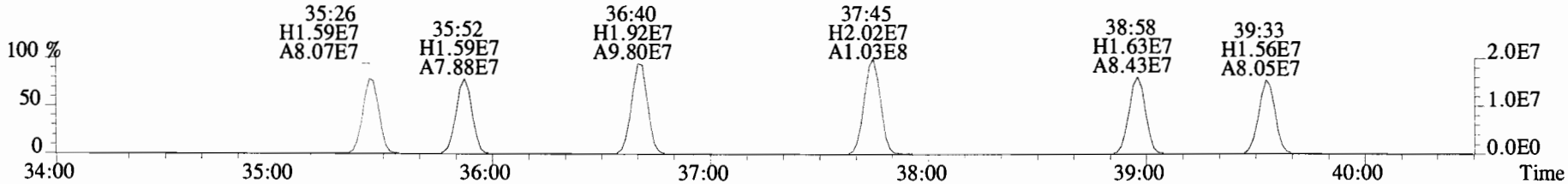

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2924.0,0.00%,F,F)



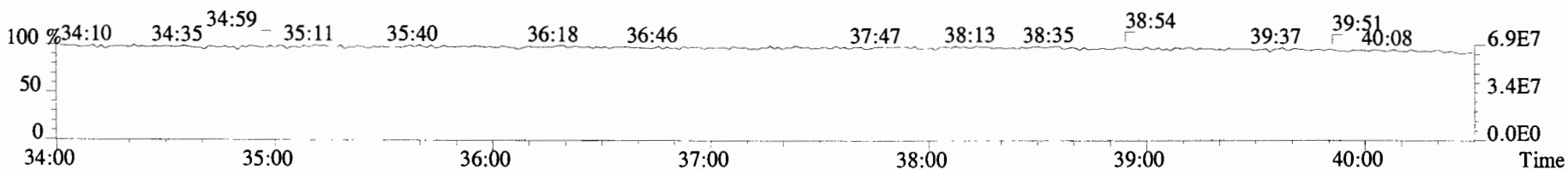

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28996.0,0.00%,F,F)




303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17332.0,0.00%,F,F)

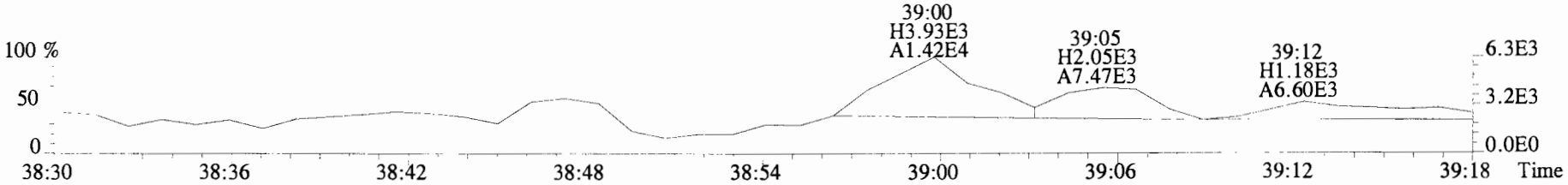



330.9792 S:4 F:3

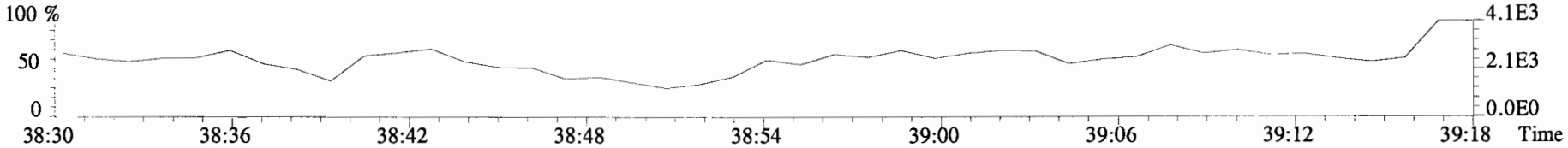


File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1

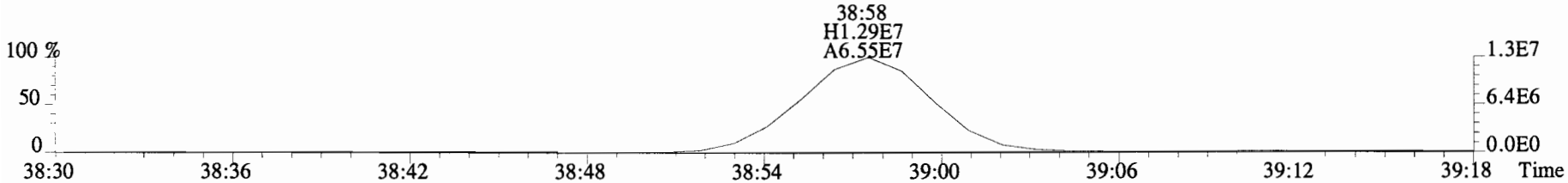
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2932.0,0.00%,F,F)



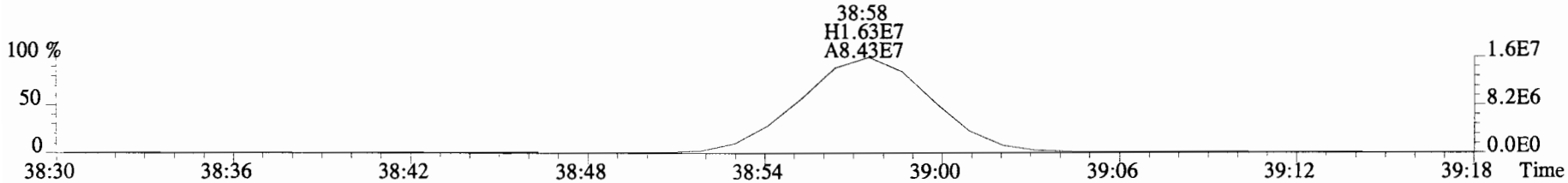

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2924.0,0.00%,F,F)



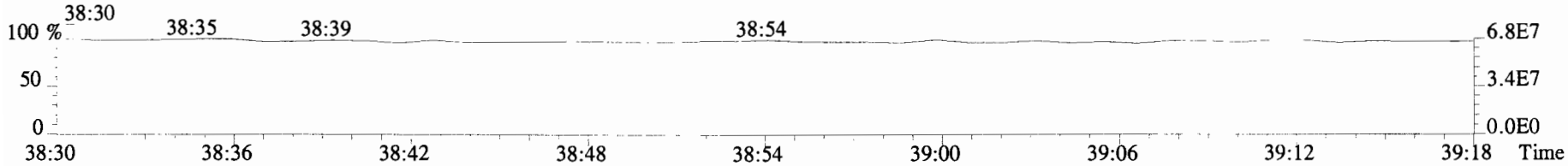

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28996.0,0.00%,F,F)



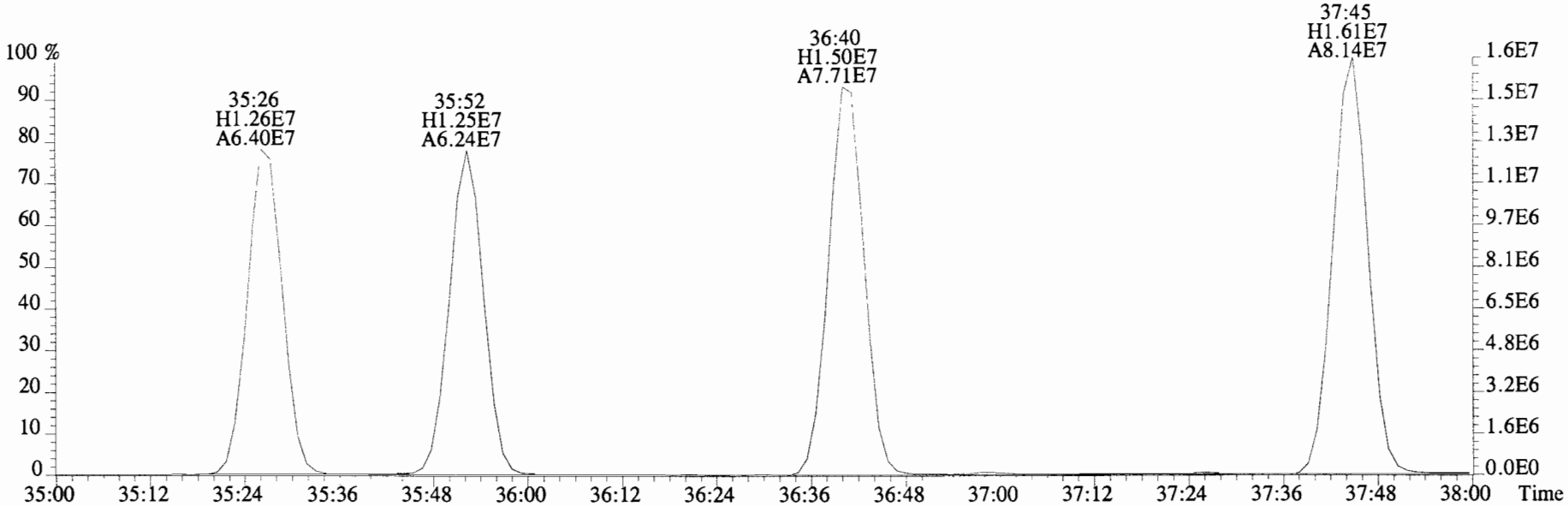

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17332.0,0.00%,F,F)



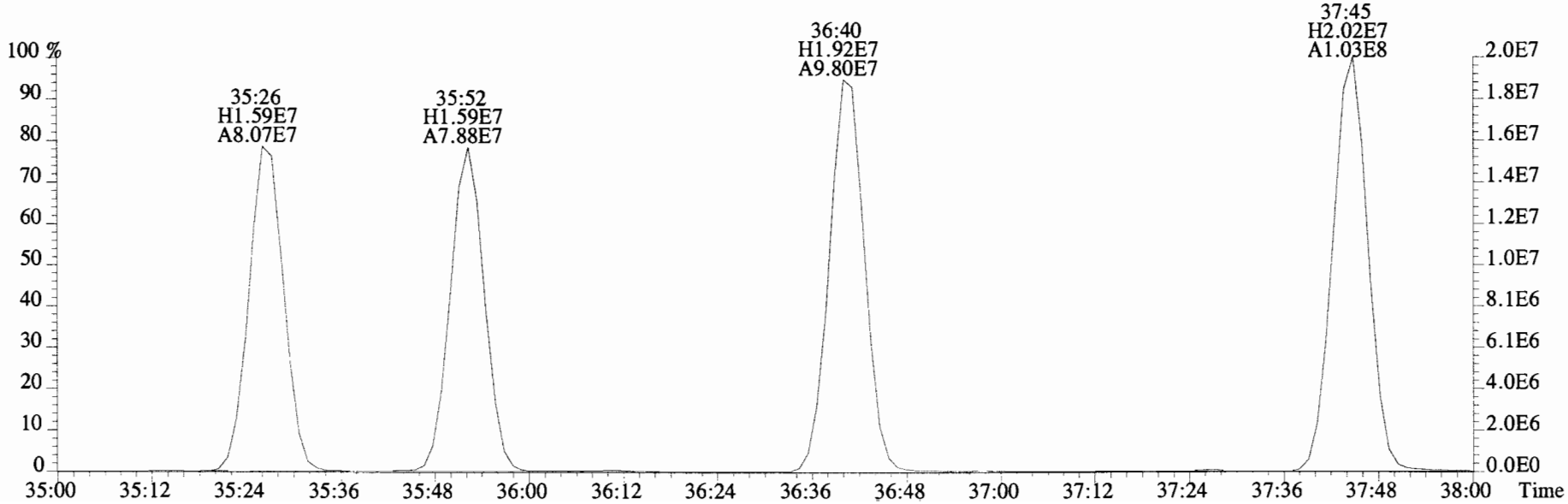

330.9792 S:4 F:3



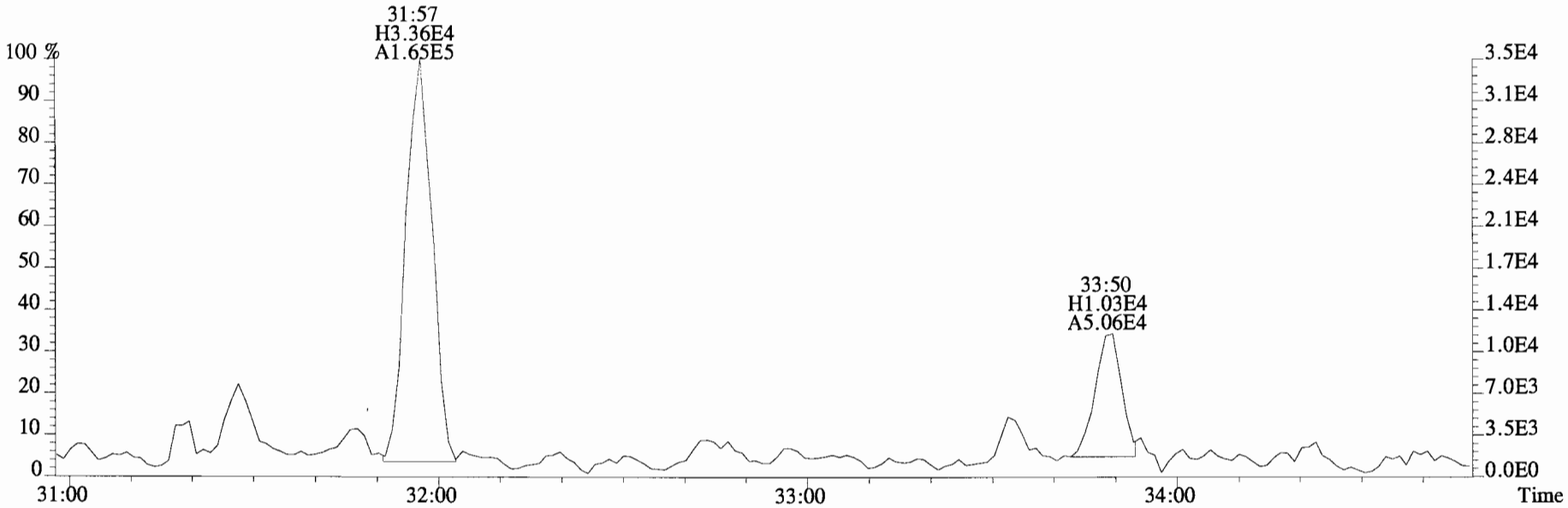
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28996.0,0.00%,F,F)



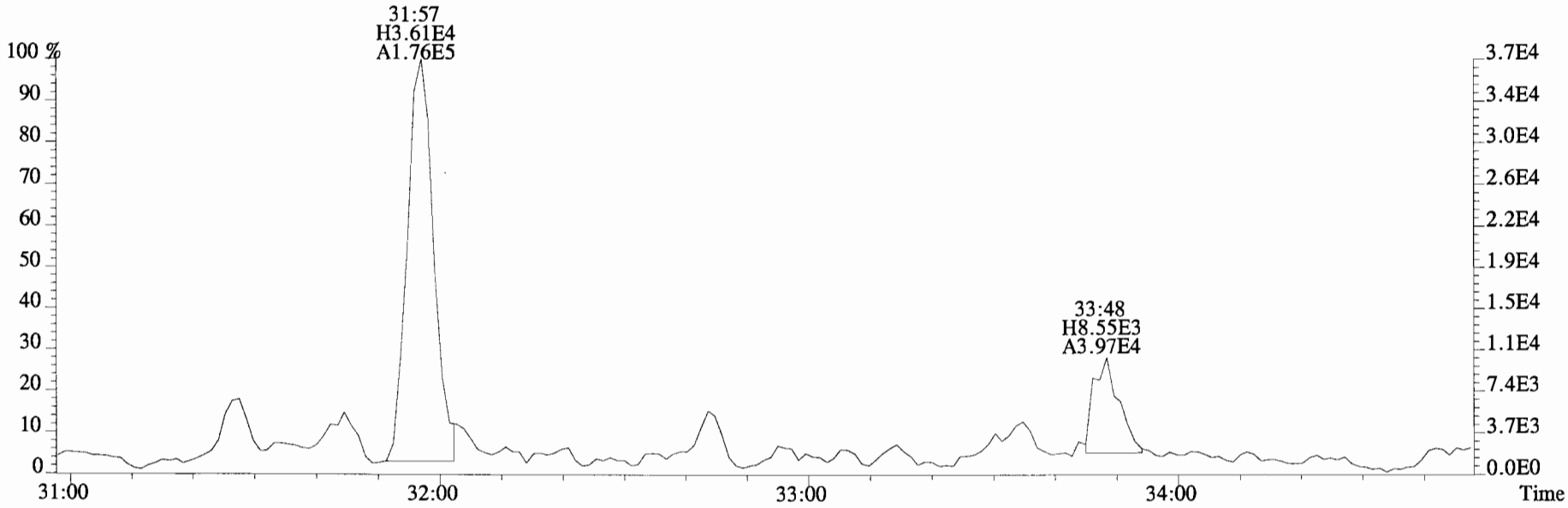

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17332.0,0.00%,F,F)



File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2932.0,0.00%,F,F)

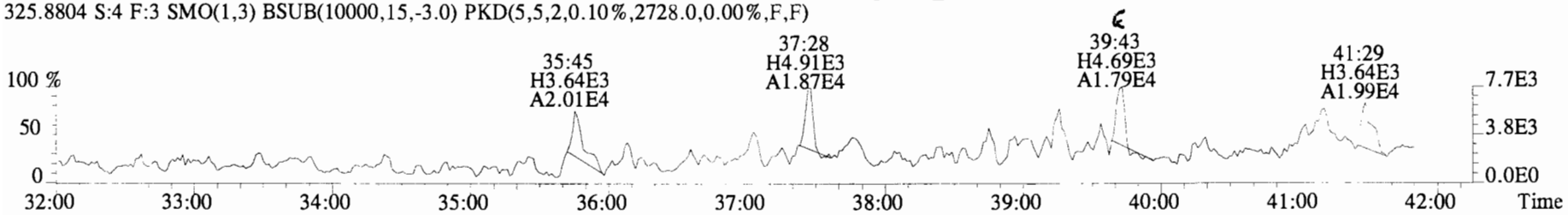



291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2924.0,0.00%,F,F)

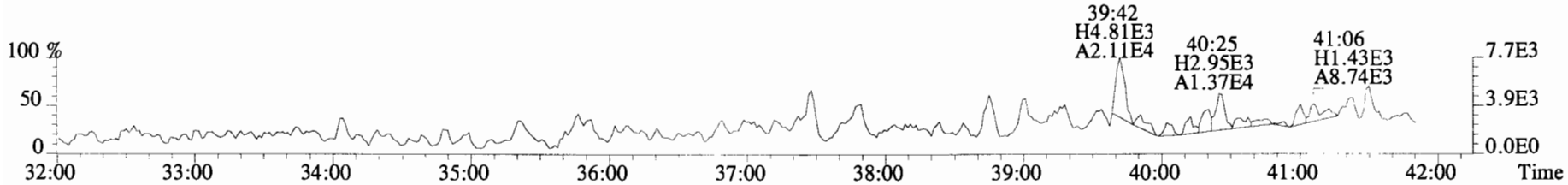


File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1

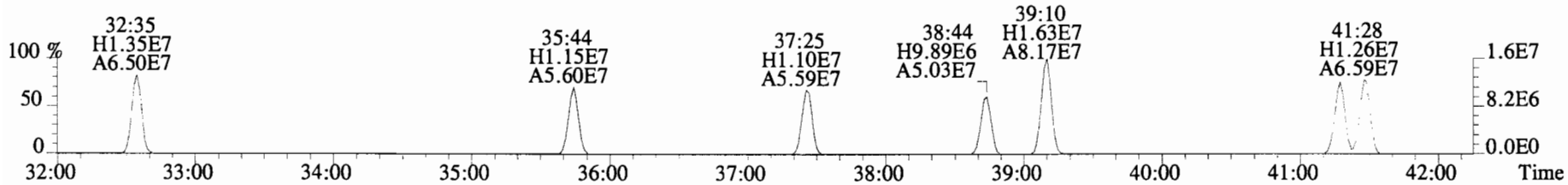
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2728.0,0.00%,F,F)



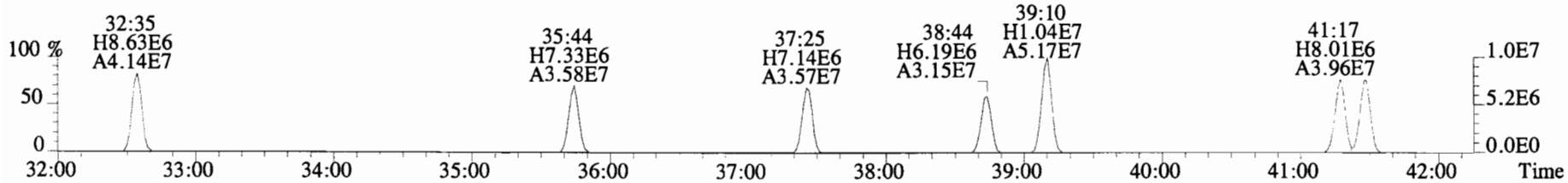

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



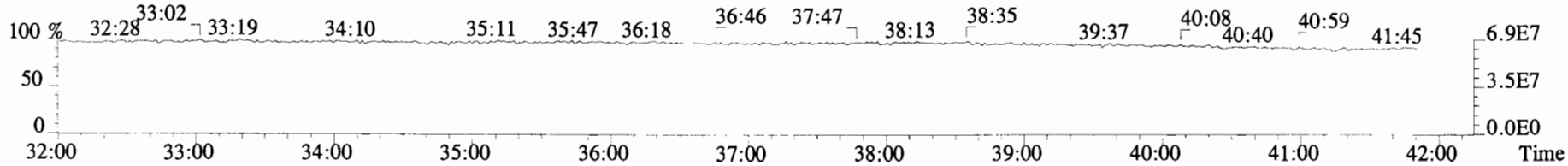

337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4316.0,0.00%,F,F)



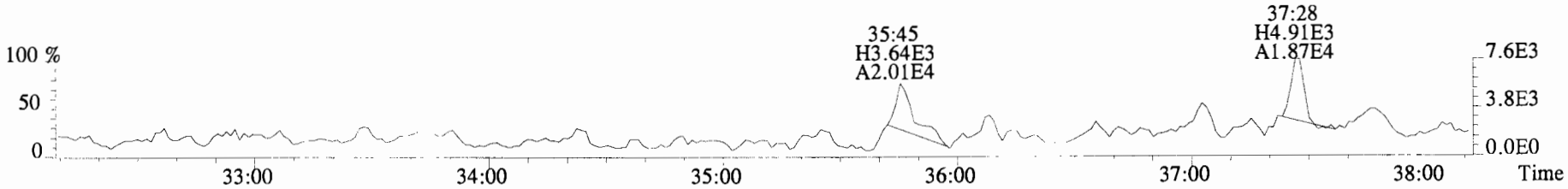

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4296.0,0.00%,F,F)



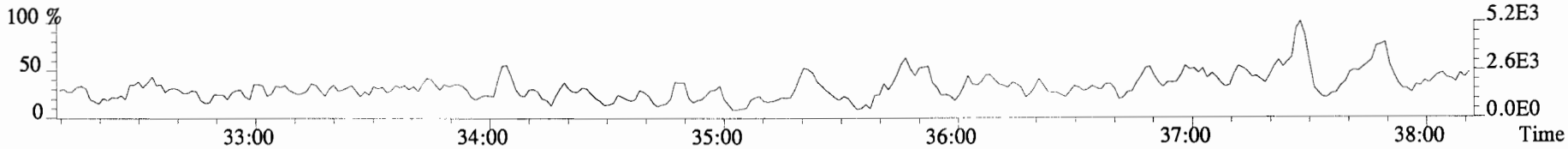

330.9792 S:4 F:3



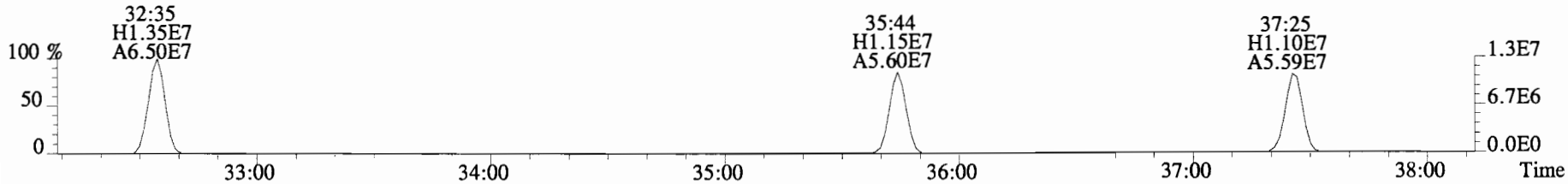
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2728.0,0.00%,F,F)



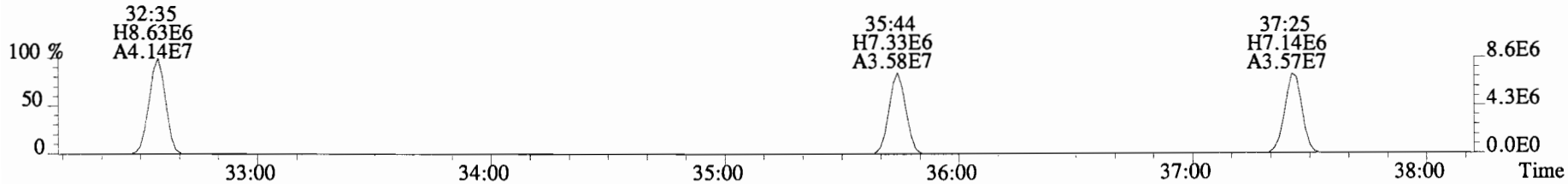

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



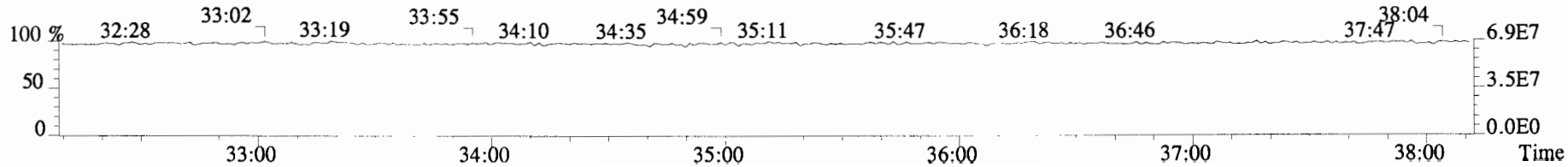

337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4316.0,0.00%,F,F)



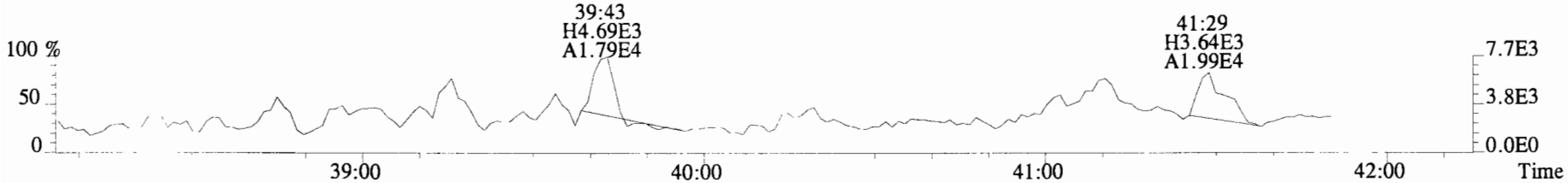

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4296.0,0.00%,F,F)



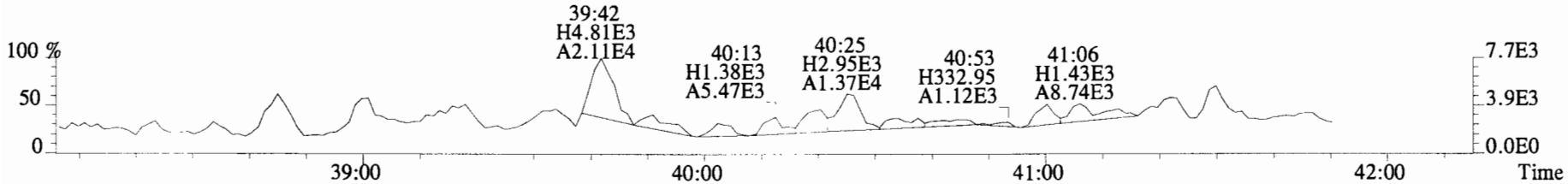

330.9792 S:4 F:3



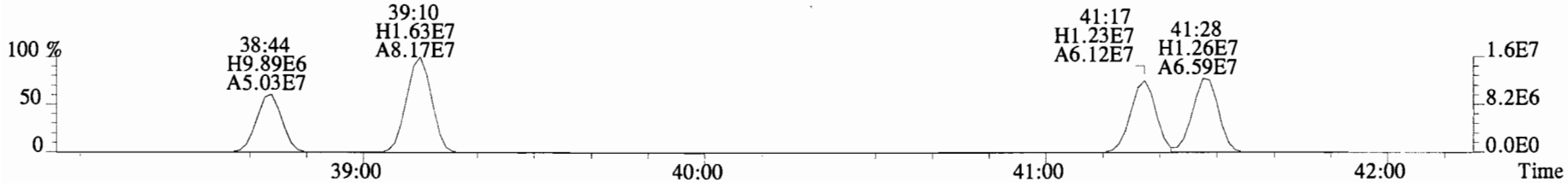
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2728.0,0.00%,F,F)



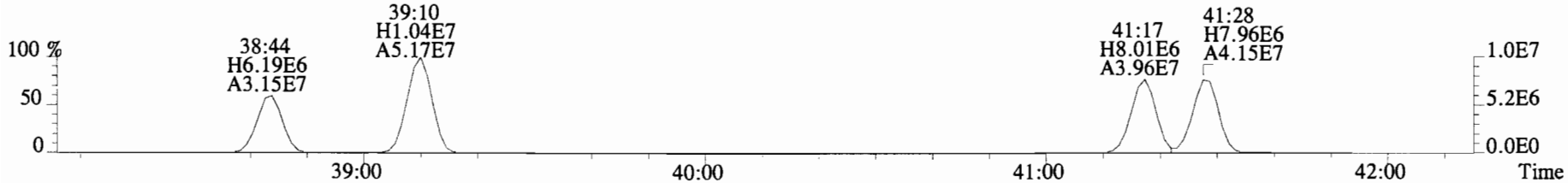

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



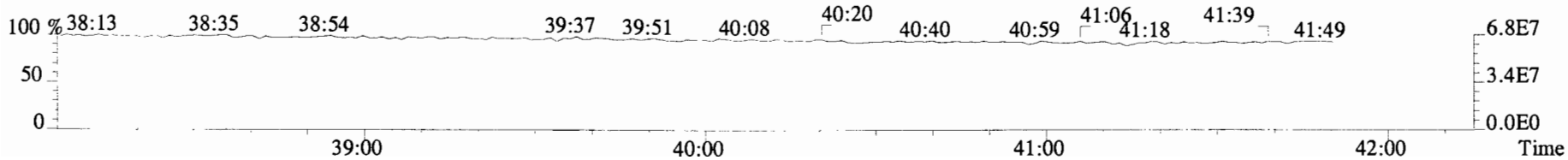

337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4316.0,0.00%,F,F)



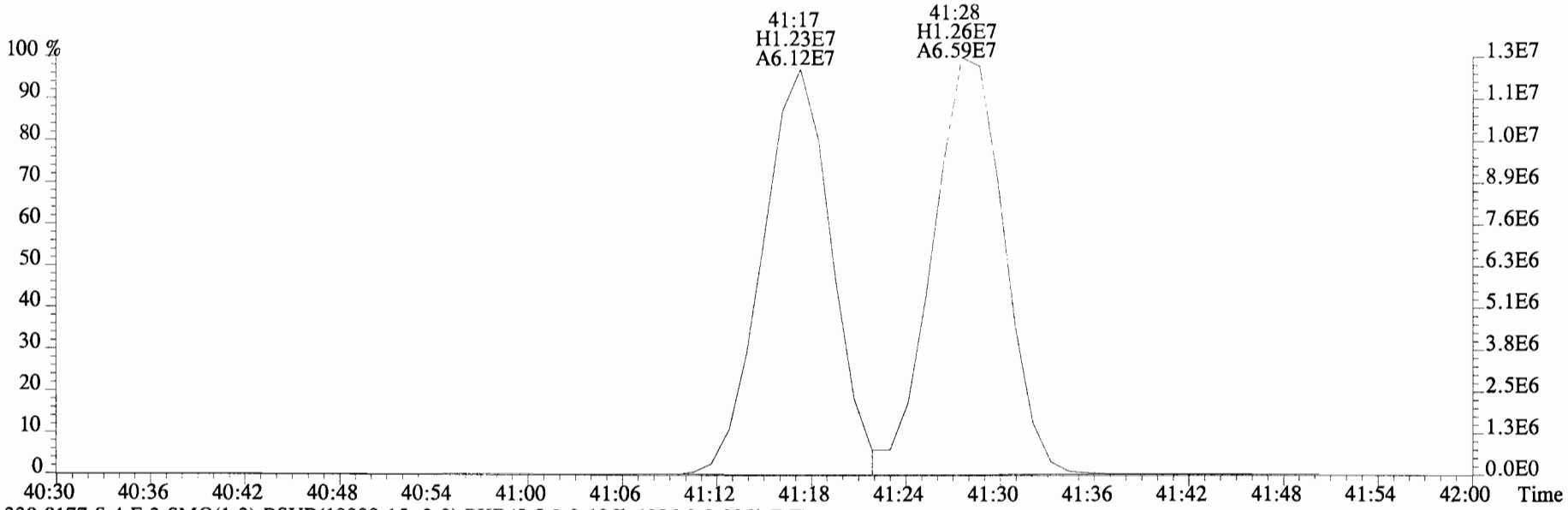

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4296.0,0.00%,F,F)



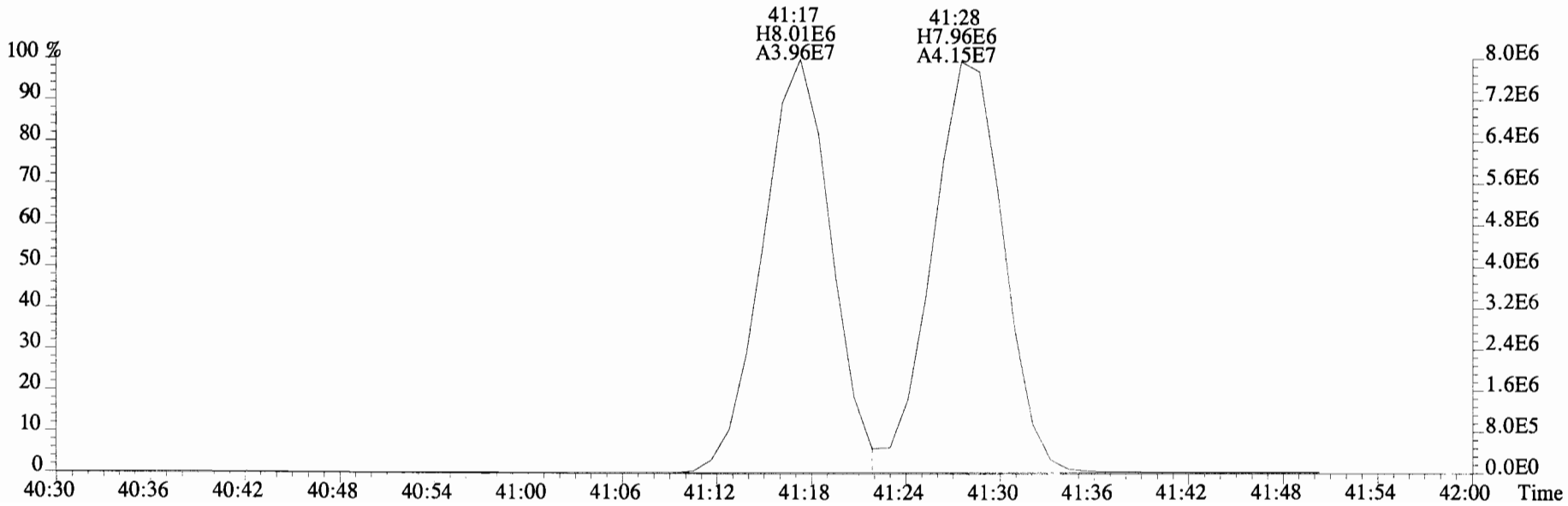

330.9792 S:4 F:3



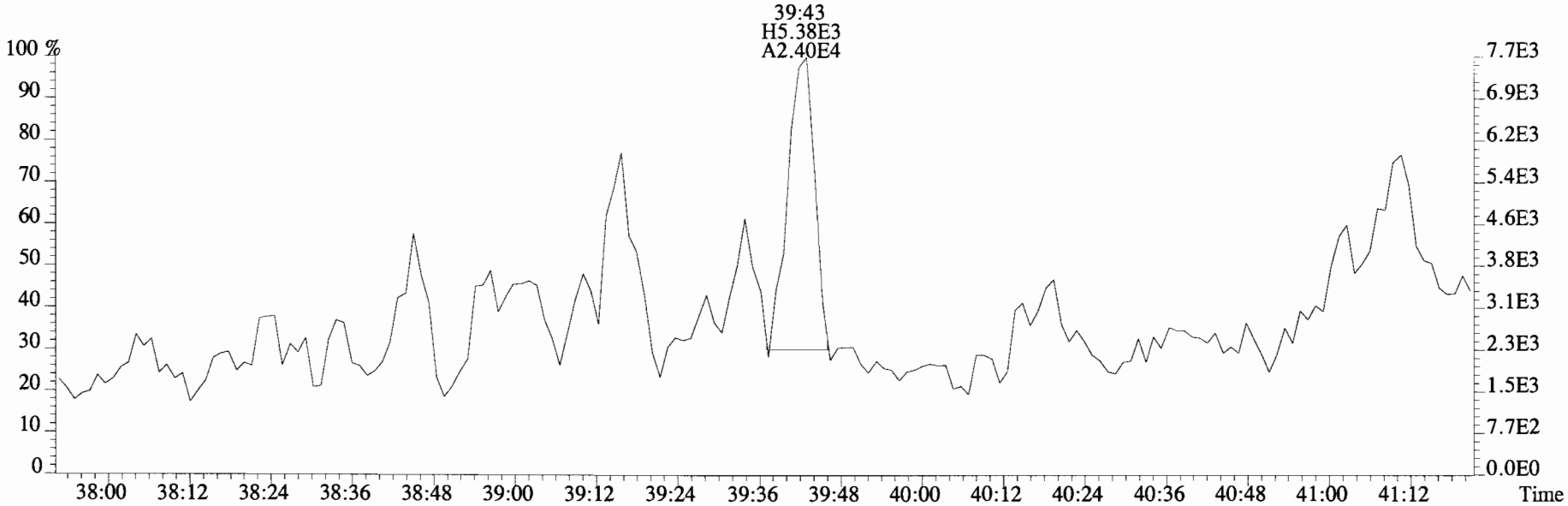
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4316.0,0.00%,F,F)



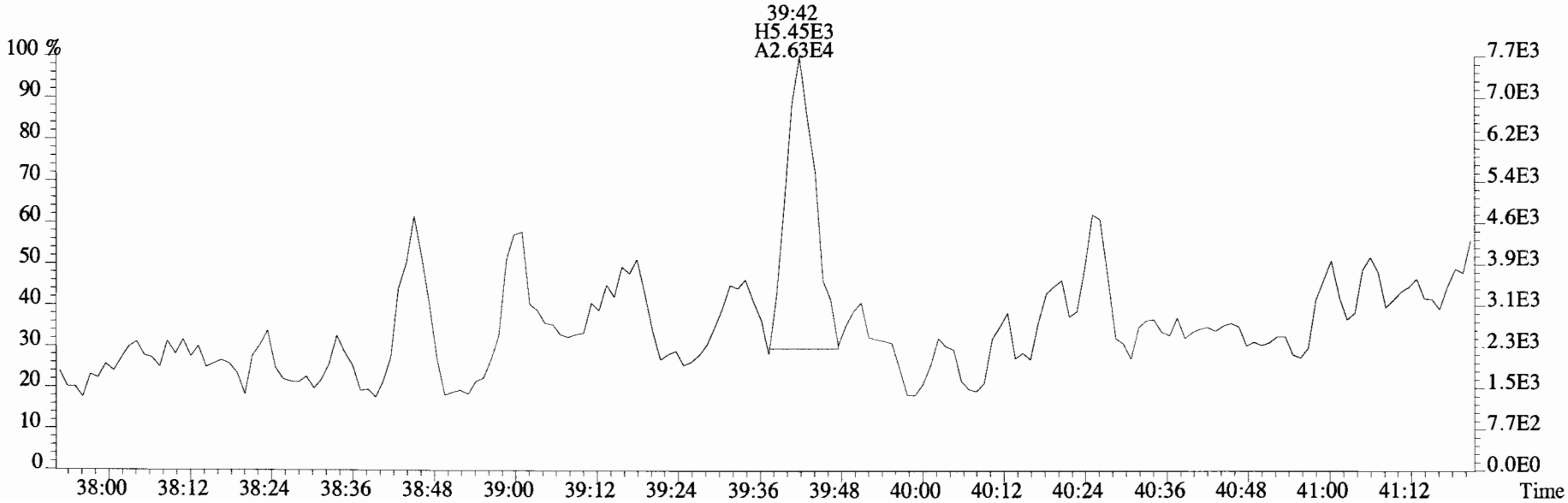

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4296.0,0.00%,F,F)



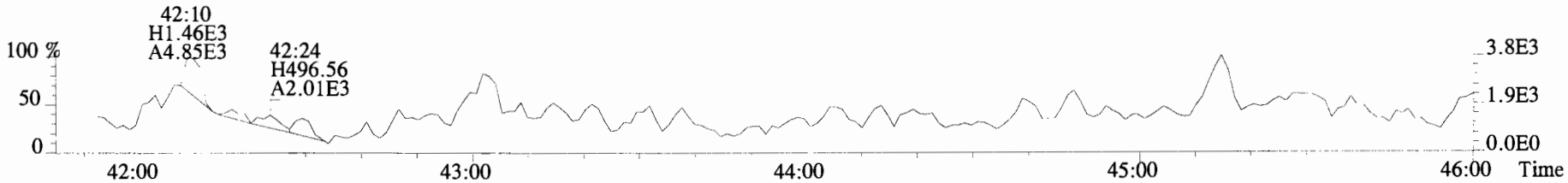
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2728.0,0.00%,F,F)



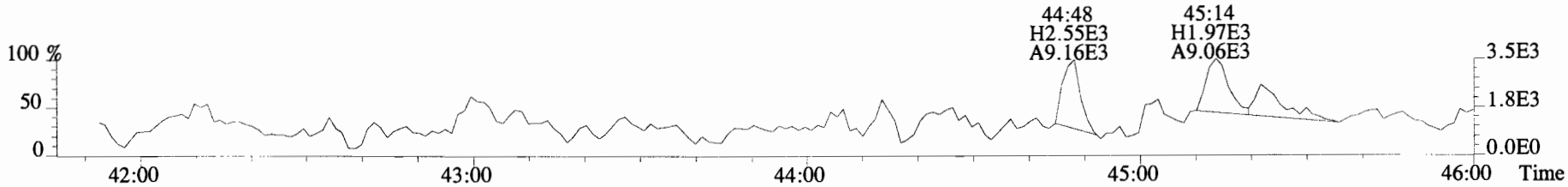

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



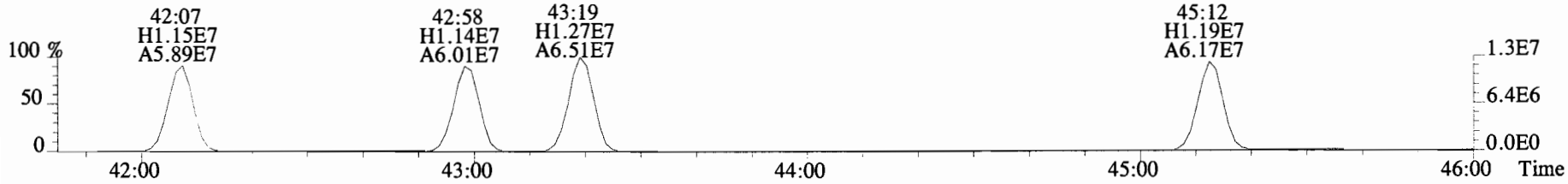
File:180409E1 #1-574 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
325.8804 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1984.0,0.00%,F,F)



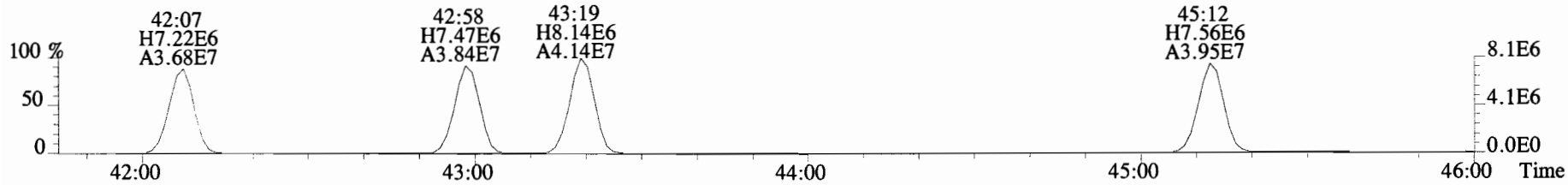

327.8775 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1588.0,0.00%,F,F)



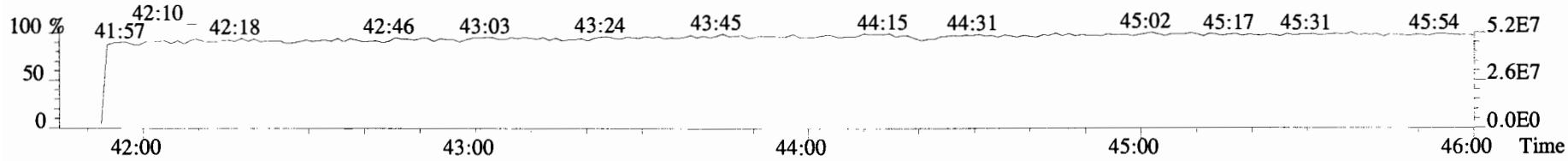

337.9207 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7072.0,0.00%,F,F)



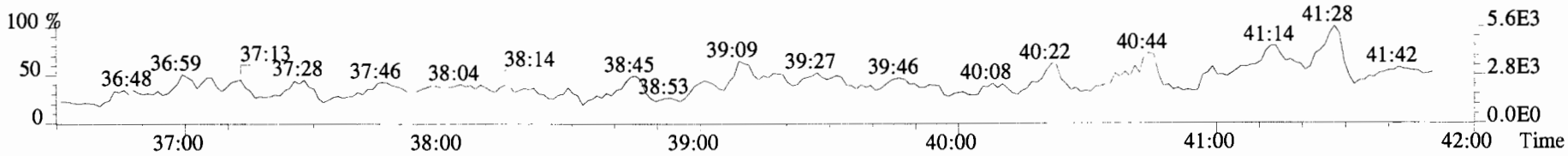

339.9177 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4600.0,0.00%,F,F)



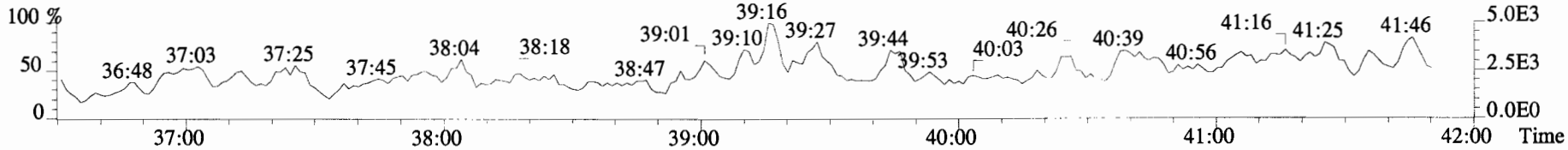

380.9760 S:4 F:4



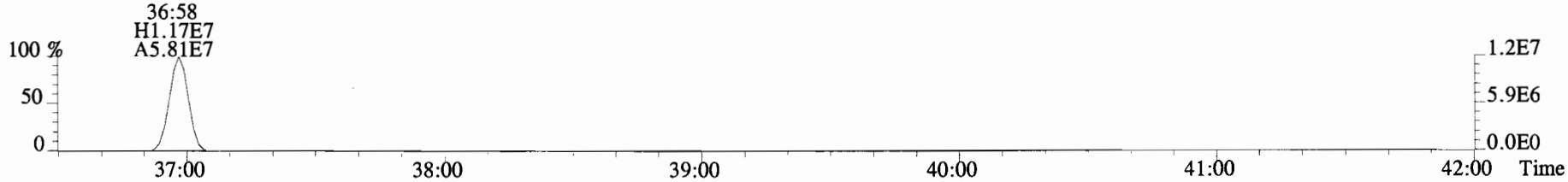
File:180409E1 #1-756 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
359.8415 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2632.0,0.00%,F,F)



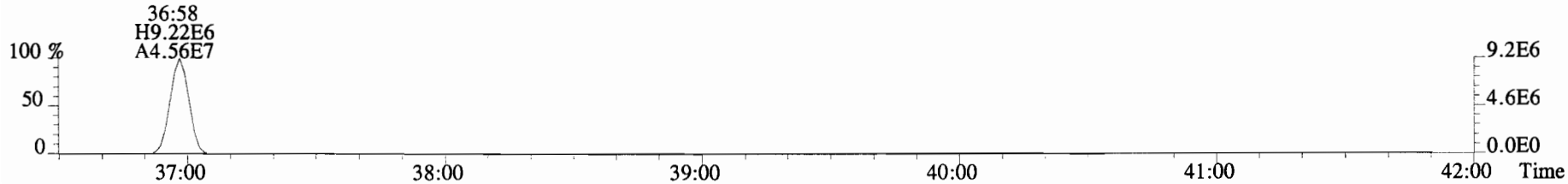

361.8385 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2720.0,0.00%,F,F)



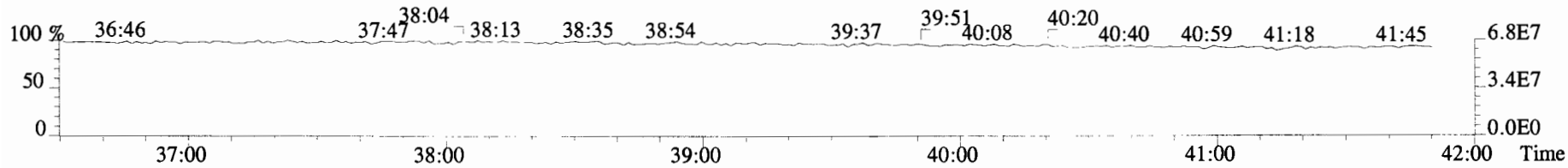

371.8817 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)




373.8788 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3324.0,0.00%,F,F)

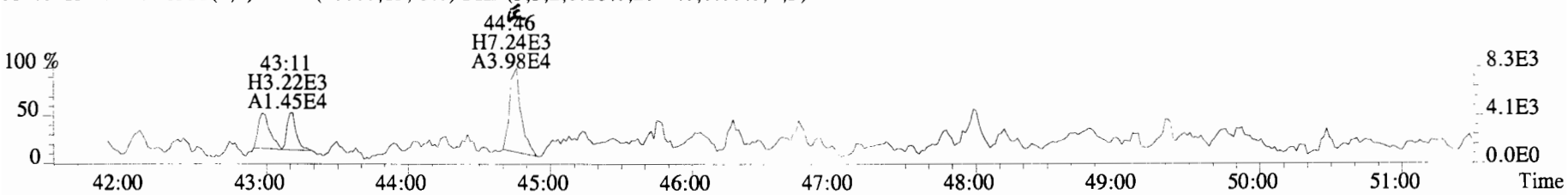



330.9792 S:4 F:3

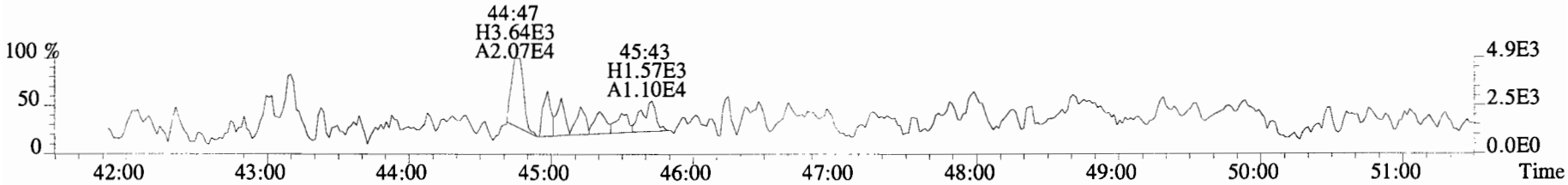


File:180409E1 #1-574 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1

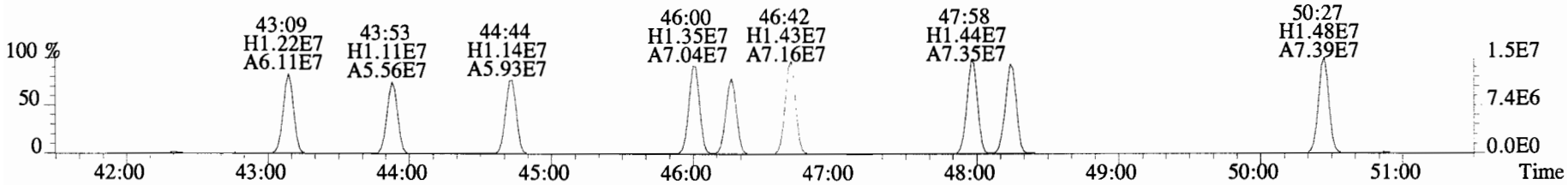
359.8415 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



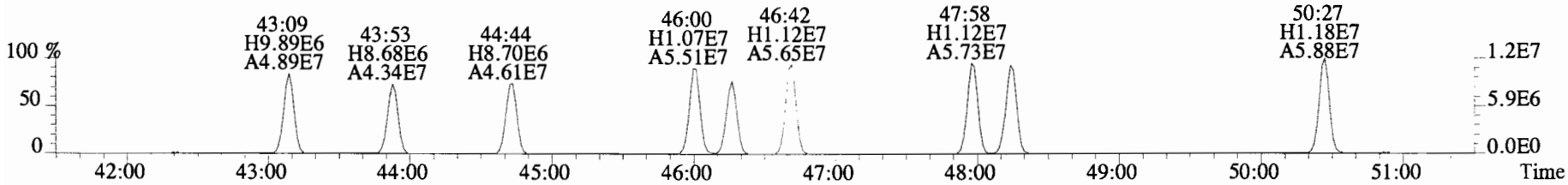

361.8385 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2120.0,0.00%,F,F)



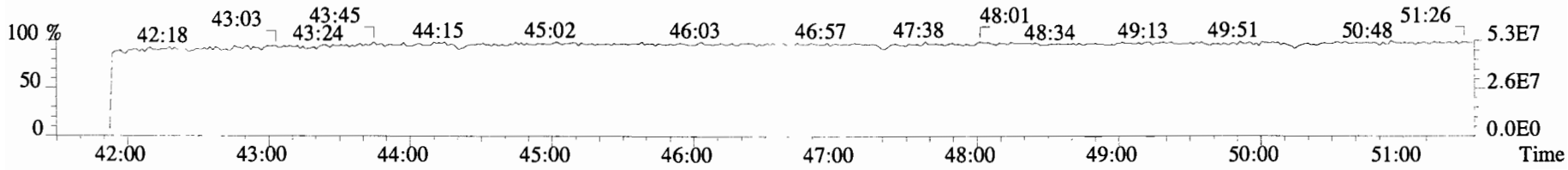

371.8817 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16164.0,0.00%,F,F)



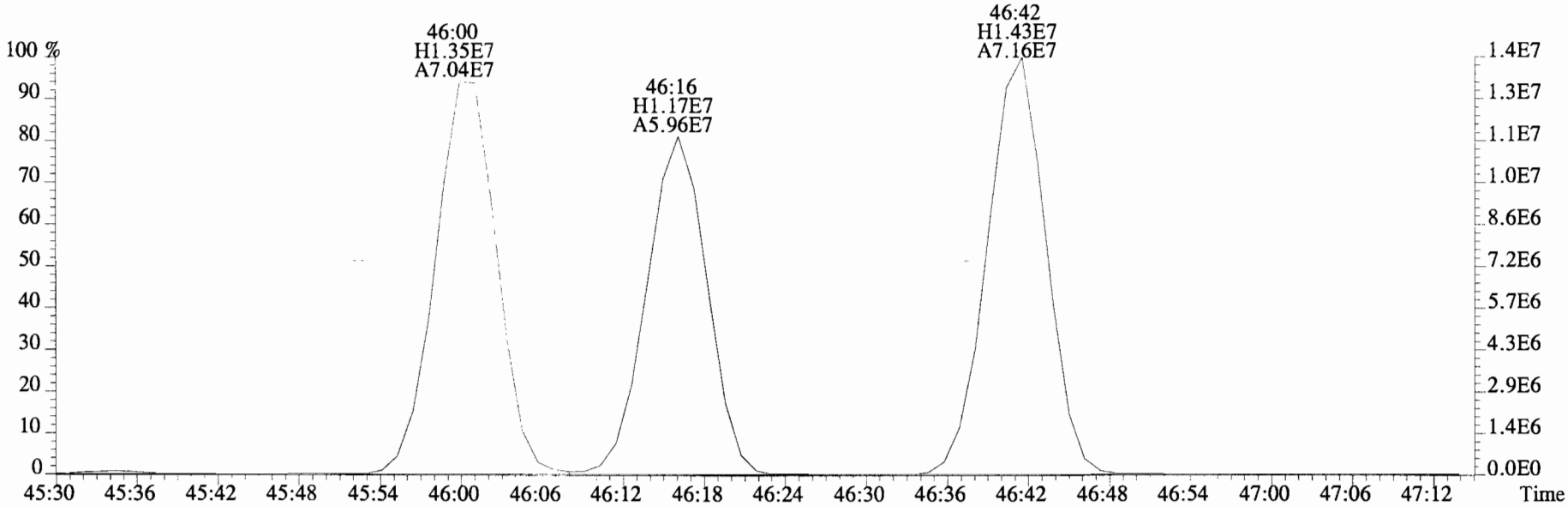

373.8788 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10804.0,0.00%,F,F)



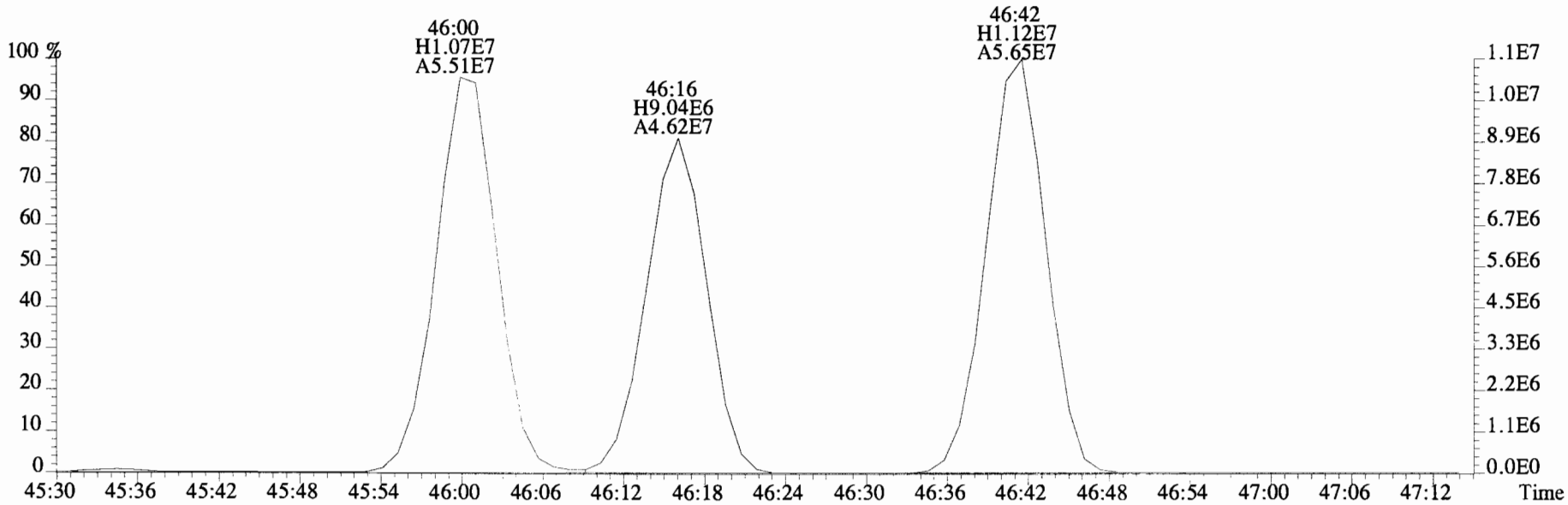

380.9760 S:4 F:4



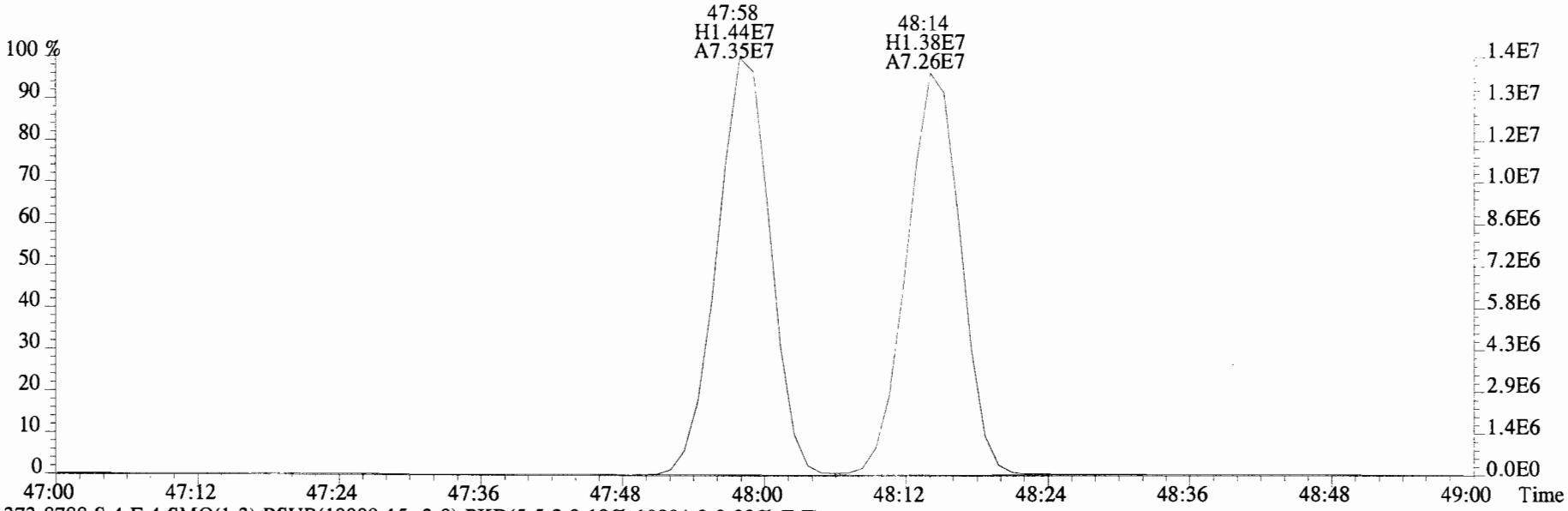
File:180409E1 #1-574 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
371.8817 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16164.0,0.00%,F,F)



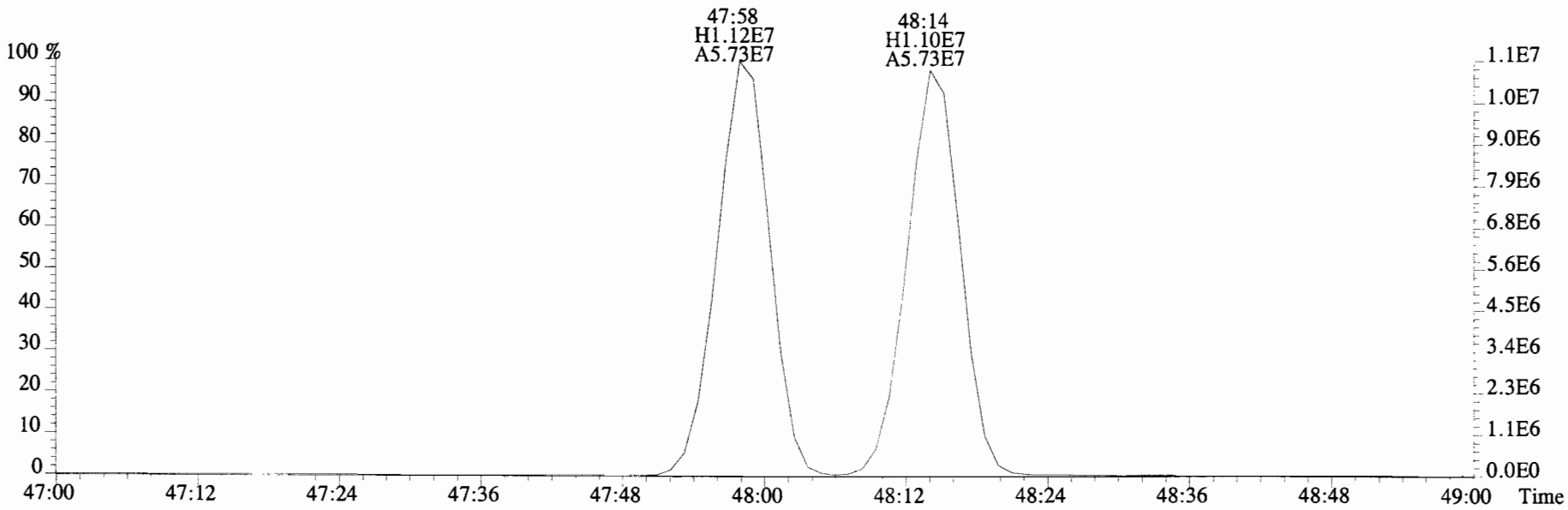

373.8788 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10804.0,0.00%,F,F)



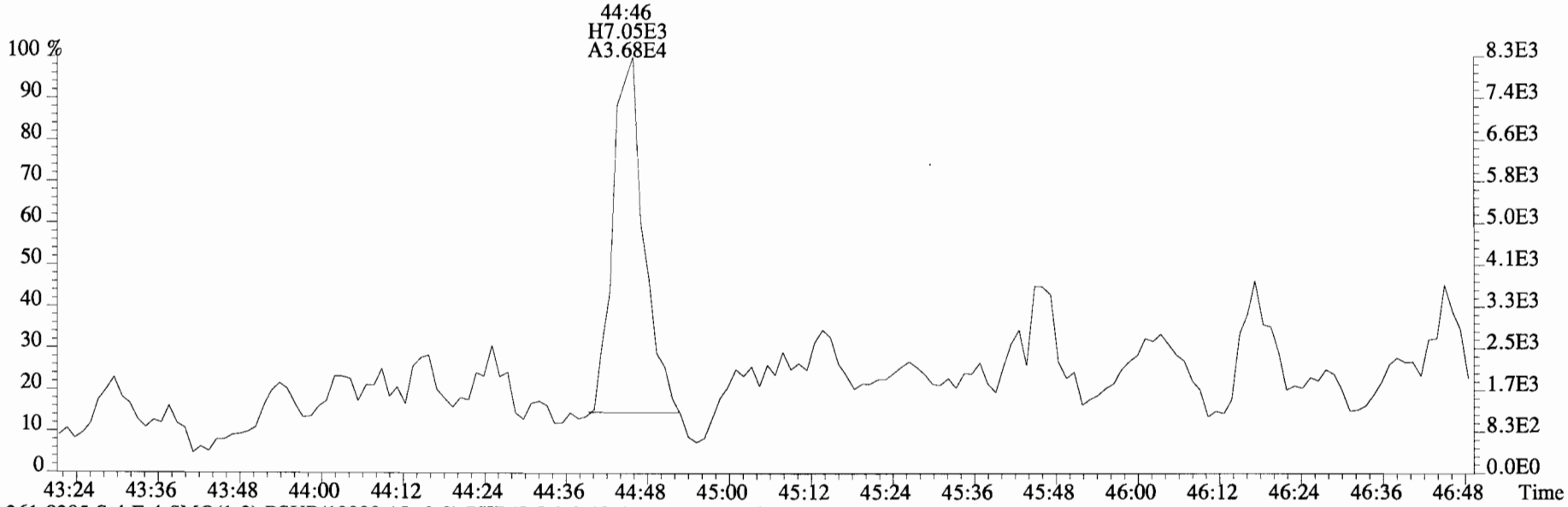
File:180409E1 #1-574 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
371.8817 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16164.0,0.00%,F,F)



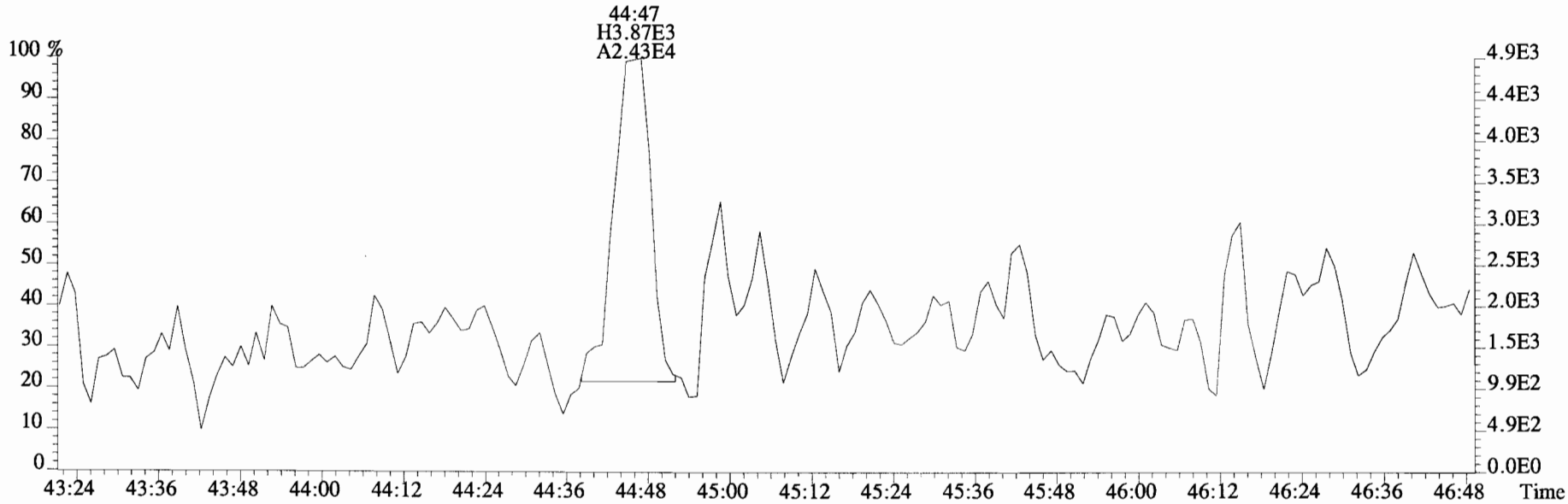

373.8788 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10804.0,0.00%,F,F)



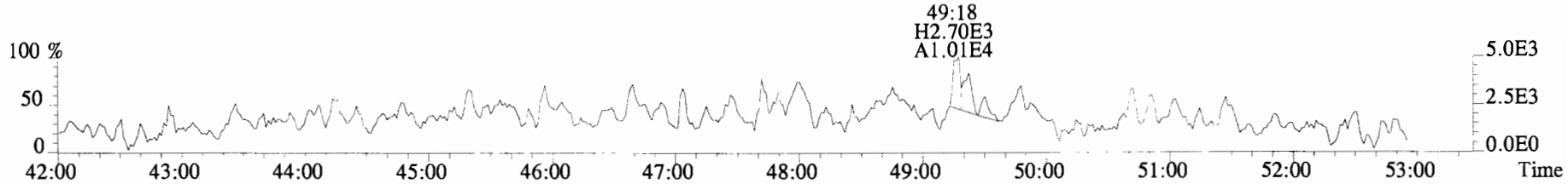
File:180409E1 #1-574 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
359.8415 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



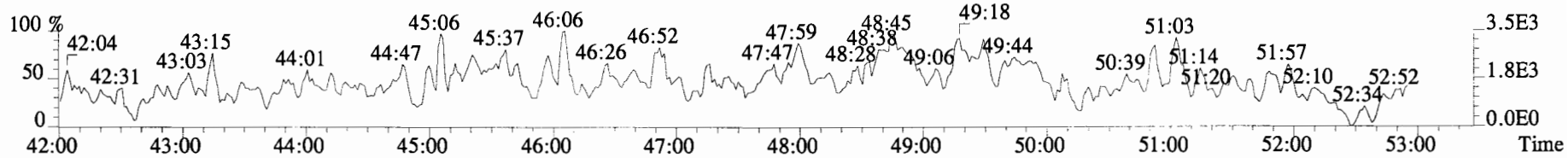

361.8385 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2120.0,0.00%,F,F)



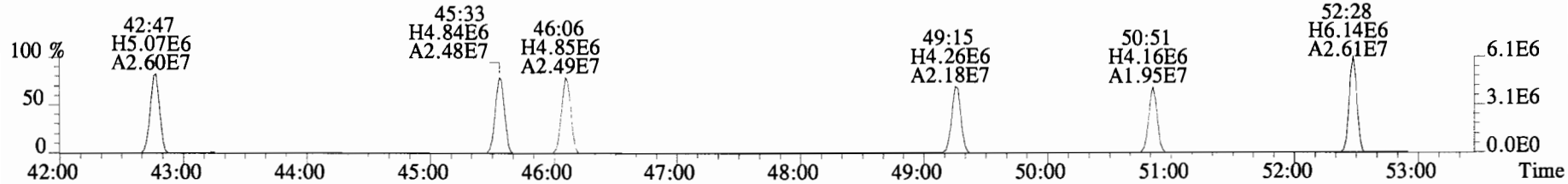
File:180409E1 #1-574 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
393.8025 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2312.0,0.00%,F,F)



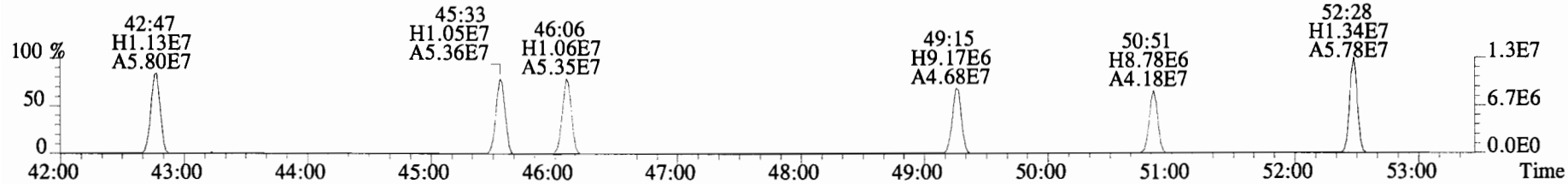

395.7995 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2056.0,0.00%,F,F)



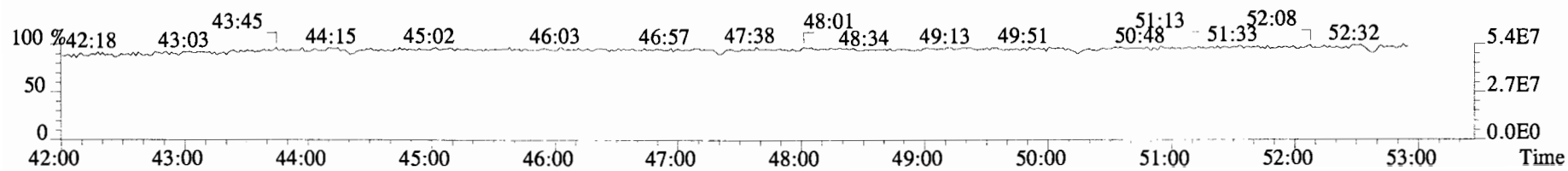

403.8457 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3048.0,0.00%,F,F)



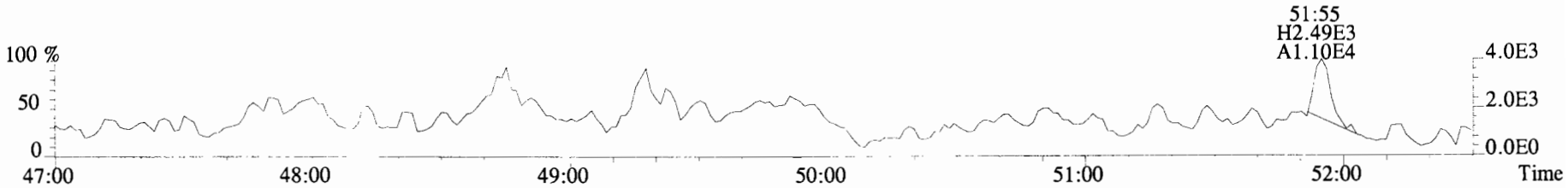

405.8428 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5796.0,0.00%,F,F)



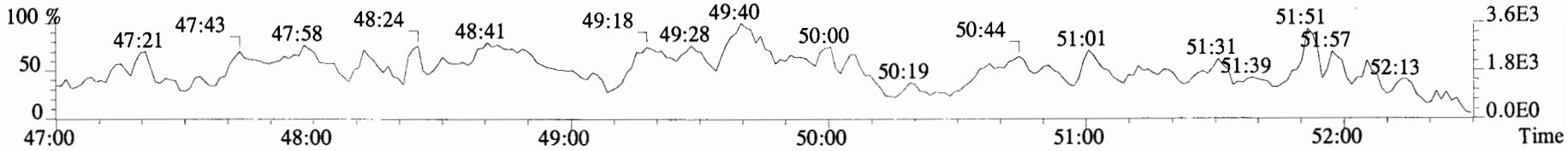

380.9760 S:4 F:4



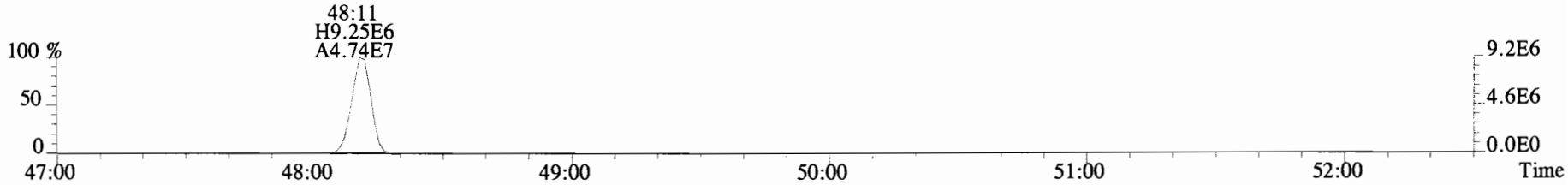
File:180409E1 #1-574 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
427.7635 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1788.0,0.00%,F,F)



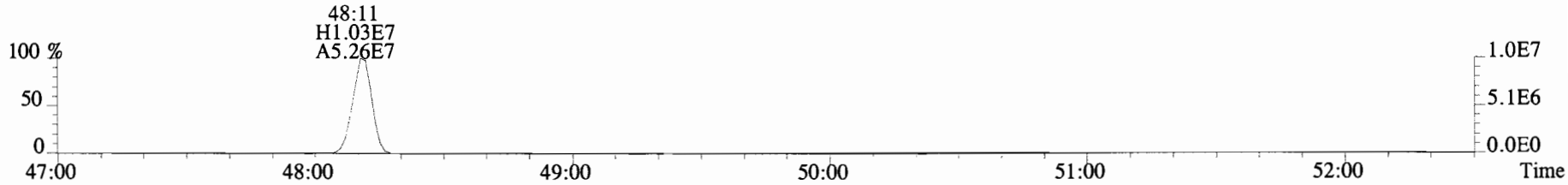

429.7606 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



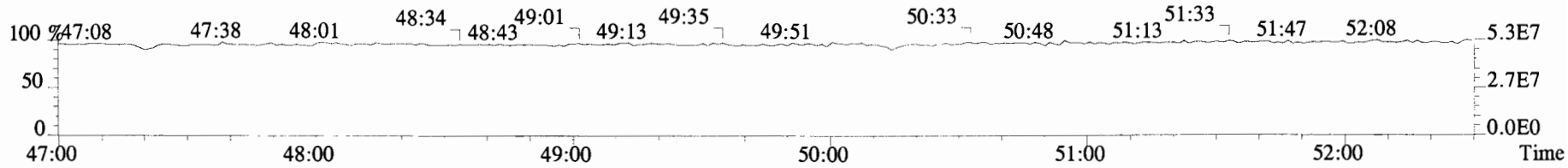

439.8038 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1564.0,0.00%,F,F)



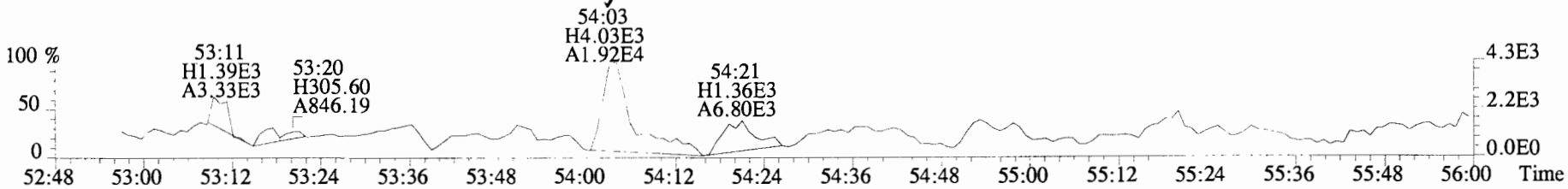

441.8008 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2240.0,0.00%,F,F)



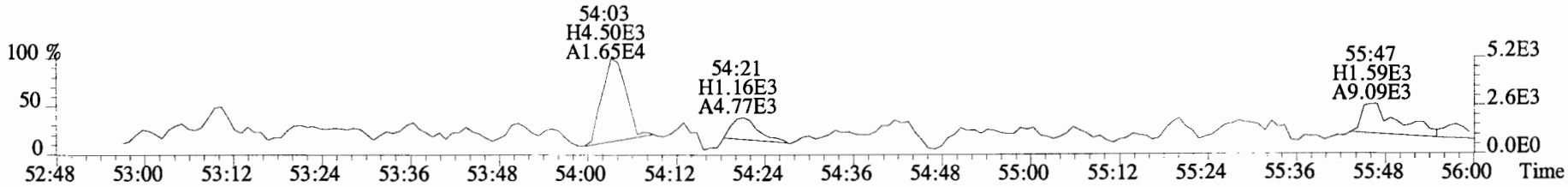

380.9760 S:4 F:4



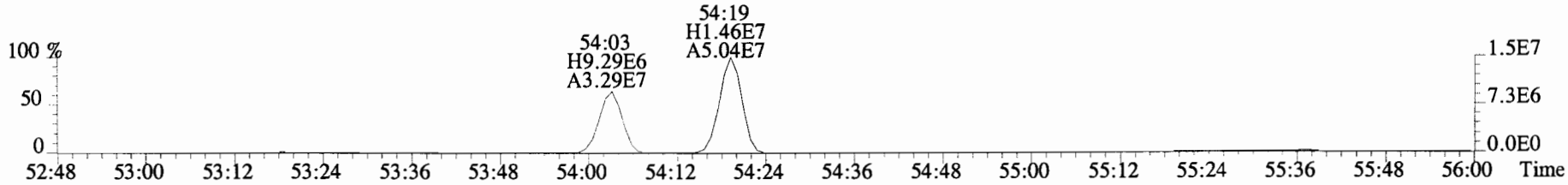
File:180409E1 #1-407 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
427.7635 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1300.0,0.00%,F,F)



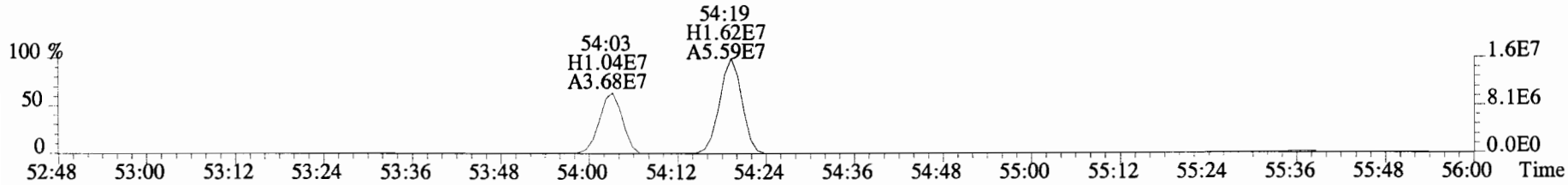

429.7606 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1468.0,0.00%,F,F)



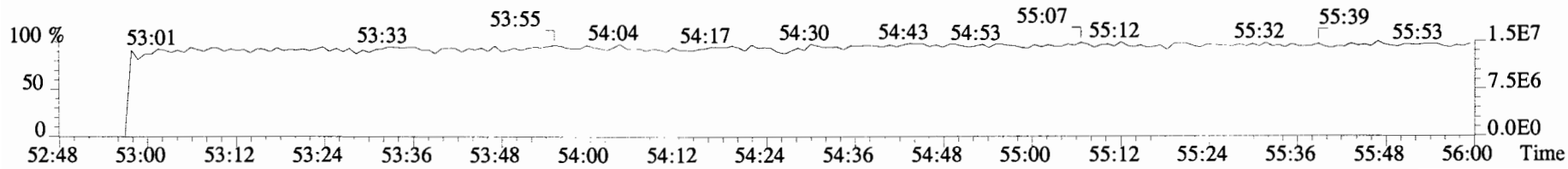

439.8038 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5480.0,0.00%,F,F)



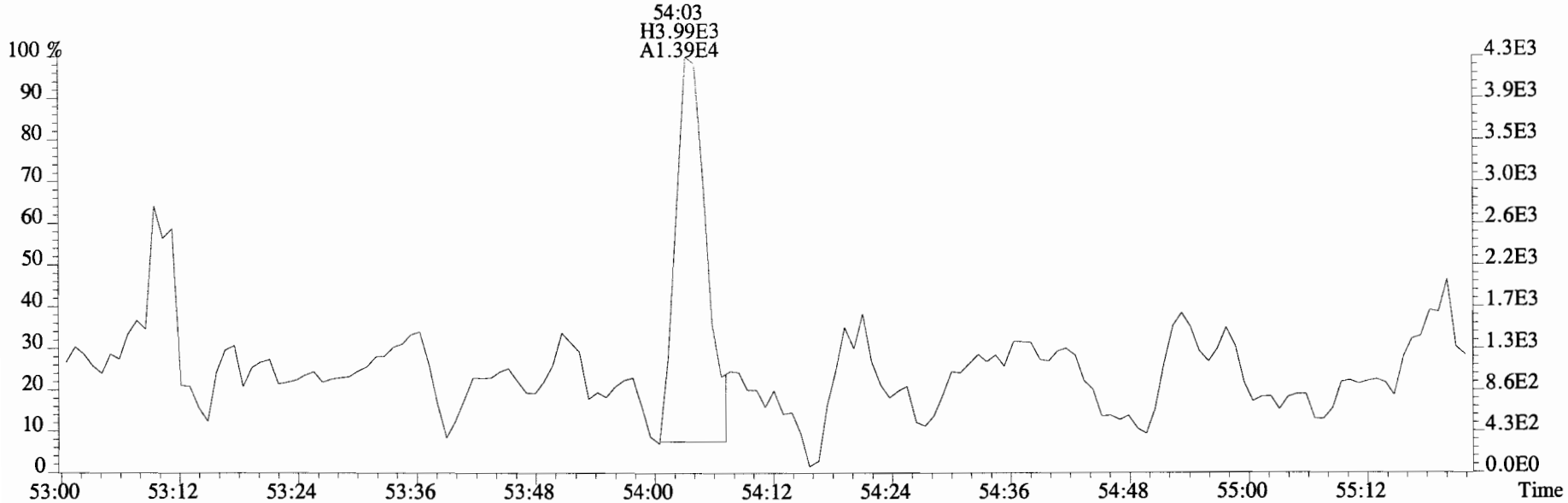

441.8008 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5012.0,0.00%,F,F)



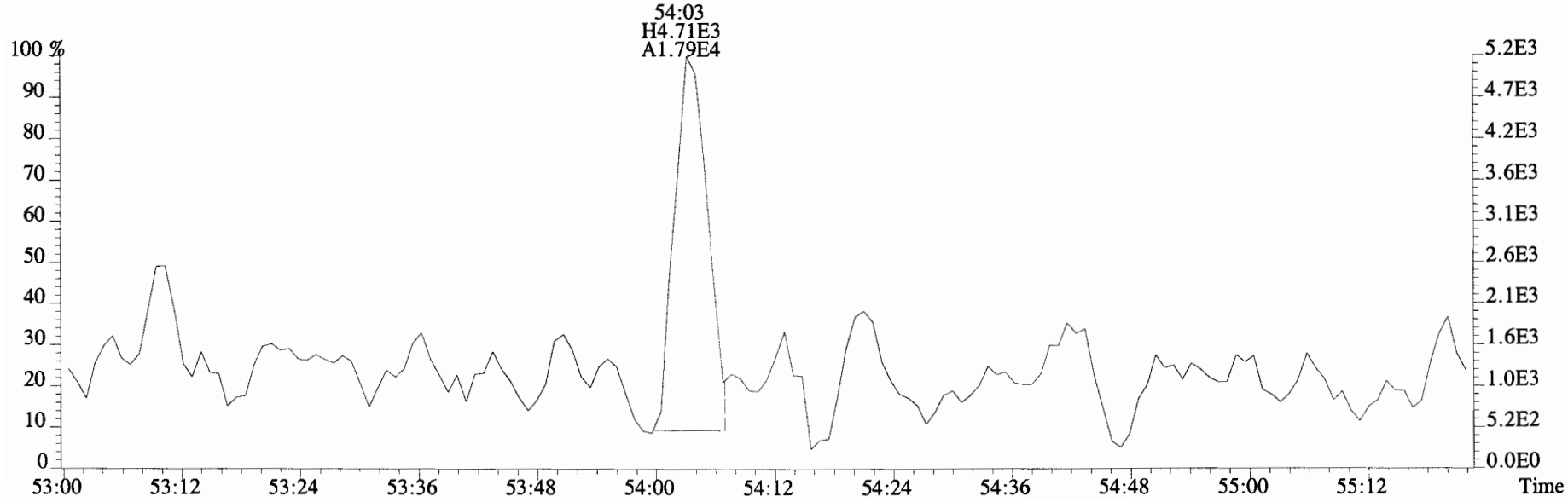

492.9697 S:4 F:5



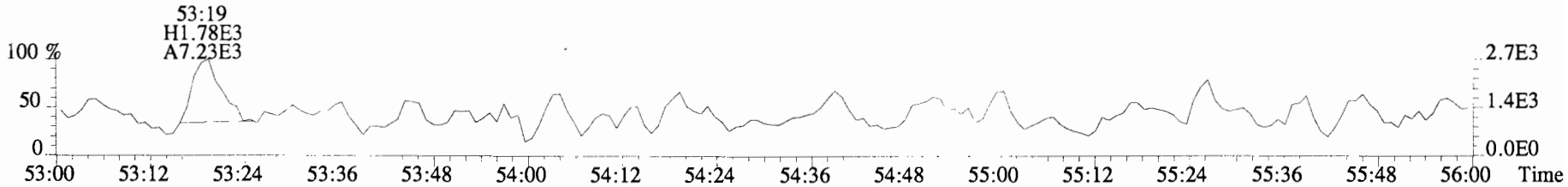
File:180409E1 #1-407 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
427.7635 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1300.0,0.00%,F,F)



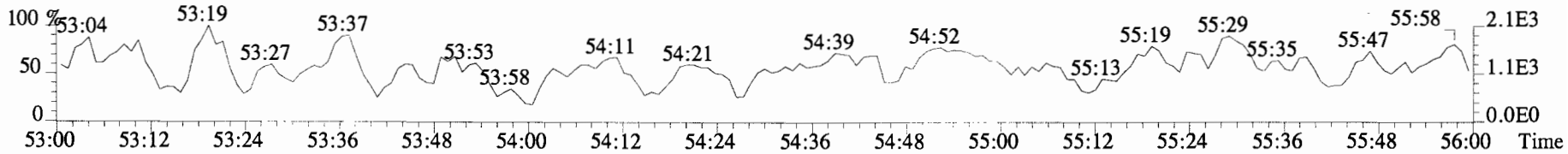

429.7606 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1468.0,0.00%,F,F)



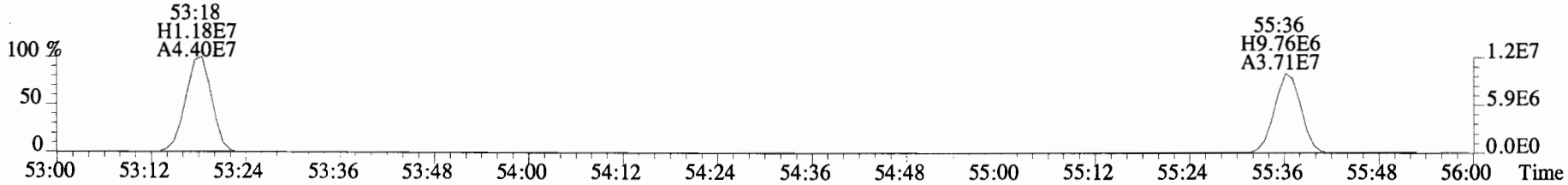
File:180409E1 #1-407 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
463.7216 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1488.0,0.00%,F,F)



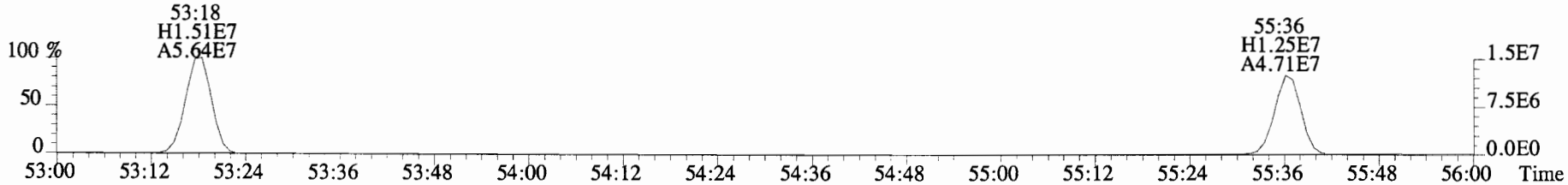

465.7186 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1512.0,0.00%,F,F)



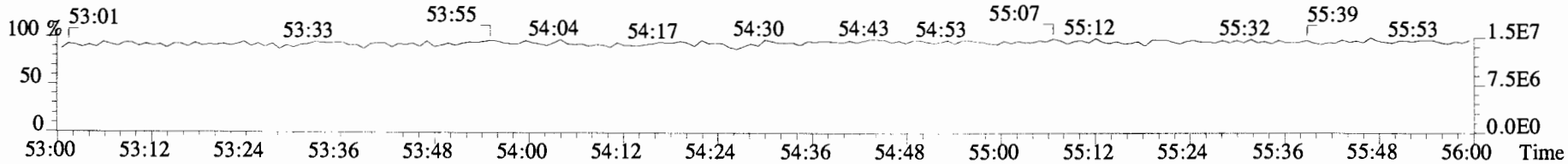

473.7648 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15988.0,0.00%,F,F)



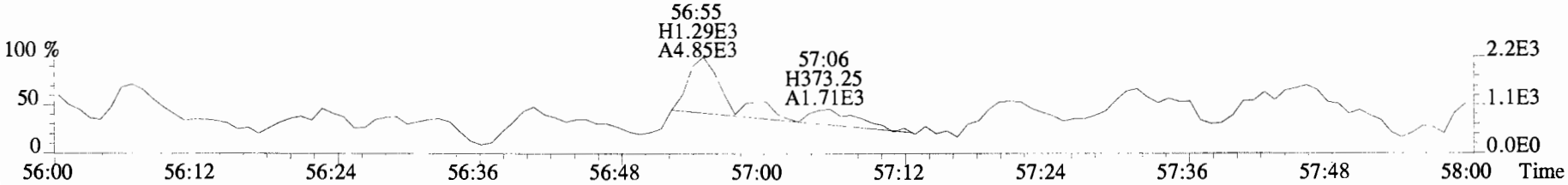

475.7619 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21240.0,0.00%,F,F)



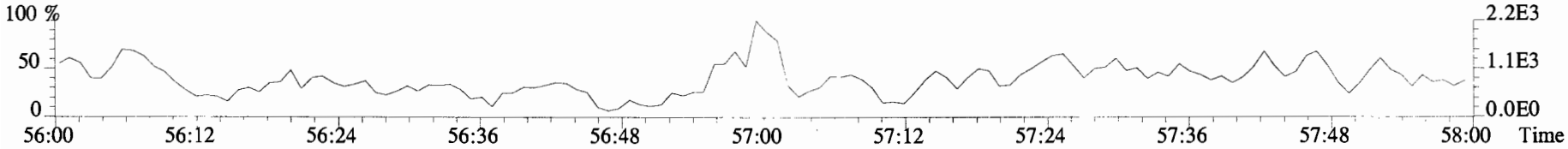

492.9697 S:4 F:5



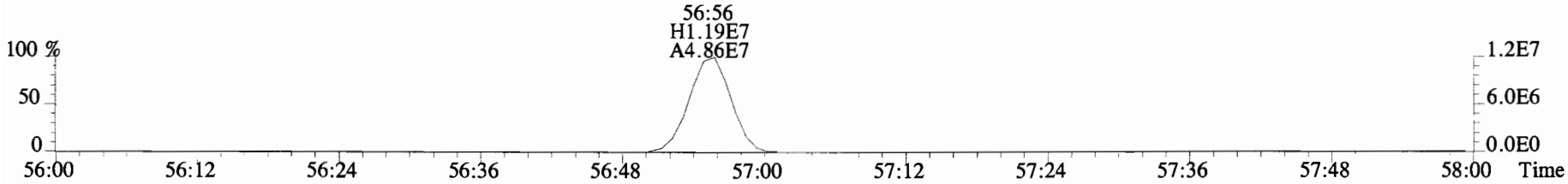
File:180409E1 #1-407 Acq: 9-APR-2018 20:49:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BLK1 Method Blank 1 Exp:PCB_ZB1
497.6826 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1420.0,0.00%,F,F)



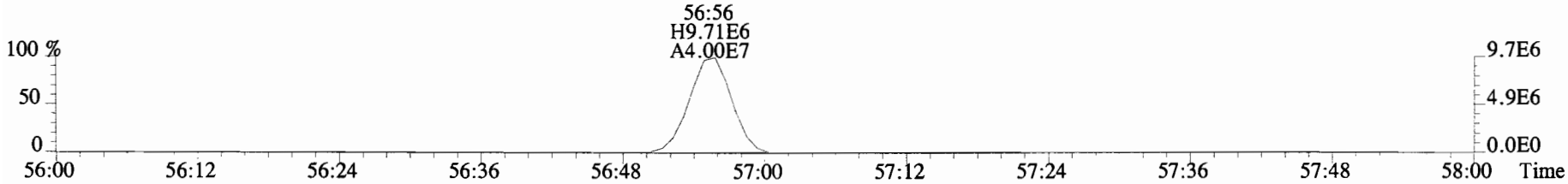

499.6797 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1268.0,0.00%,F,F)



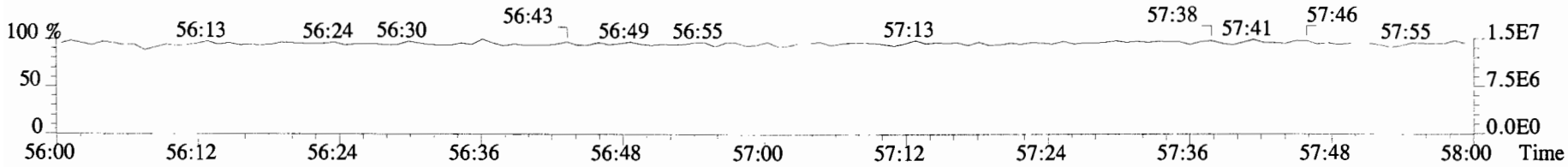

509.7229 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1580.0,0.00%,F,F)




511.7199 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1632.0,0.00%,F,F)




492.9697 S:4 F:5



EPA METHOD 1668C PCB ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Vista Analytical Laboratory  OPR Data Filename: B8D0041-BS1

Matrix : AQUEOUS  Ext. Date: 4-6-18  Analysis Date: 9-APR-18  Time: 18:38:48

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

| NATIVE ANALYTES | SPIKE CONC. (ng/mL) | CONC. FOUND (ng/mL) | OPR CONC. LIMITS (ng/mL) | LABELED COMPOUNDS | SPIKE CONC. (ng/mL) | CONC. FOUND (ng/mL) | OPR CONC. LIMITS (ng/mL) | CLEAN UP STANDARD | SPIKE CONC. (ng/mL) | CONC. FOUND (ng/mL) | OPR CONC. LIMITS (ng/mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 50 | 52.5 | 30.0-67.5 | 13C-PCB-1 | 100 | 29.6 | 15-145 | 13C-PCB-79 | 100 | 70.3 | 40-145 |
| PCB-3 | 50 | 54.0 | 30.0-67.5 | 13C-PCB-3 | 100 | 29.3 | 15-145 | 13C-PCB-178 | 100 | 74.9 | 40-145 |
| PCB-4/10 | 100 | 95.7 | 60.0-135 | 13C-PCB-4 | 100 | 39.5 | 15-145 | | | | |
| PCB-15 | 50 | 49.8 | 30.0-67.5 | 13C-PCB-11 | 100 | 51.8 | 15-145 | | | | |
| PCB-19 | 50 | 45.8 | 30.0-67.5 | 13C-PCB-19 | 100 | 49.7 | 15-145 | | | | |
| PCB-37 | 50 | 46.2 | 30.0-67.5 | 13C-PCB-37 | 100 | 58.7 | 15-145 | | | | |
| PCB-54 | 50 | 48.5 | 30.0-67.5 | 13C-PCB-54 | 100 | 53.2 | 15-145 | | | | |
| PCB-81 | 50 | 48.7 | 30.0-67.5 | 13C-PCB-81 | 100 | 59.0 | 40-145 | | | | |
| PCB-77 | 50 | 47.2 | 30.0-67.5 | 13C-PCB-77 | 100 | 60.7 | 40-145 | | | | |
| PCB-104 | 50 | 43.2 | 30.0-67.5 | 13C-PCB-104 | 100 | 61.4 | 40-145 | | | | |
| PCB-123 | 50 | 45.4 | 30.0-67.5 | 13C-PCB-123 | 100 | 65.6 | 40-145 | | | | |
| PCB-106/118 | 100 | 91.0 | 60.0-135 | 13C-PCB-118 | 100 | 64.4 | 40-145 | | | | |
| PCB-114 | 50 | 44.0 | 30.0-67.5 | 13C-PCB-114 | 100 | 57.5 | 40-145 | | | | |
| PCB-105 | 50 | 45.2 | 30.0-67.5 | 13C-PCB-105 | 100 | 60.6 | 40-145 | | | | |
| PCB-126 | 50 | 46.5 | 30.0-67.5 | 13C-PCB-126 | 100 | 61.7 | 40-145 | | | | |
| PCB-155 | 50 | 43.5 | 30.0-67.5 | 13C-PCB-155 | 100 | 69.9 | 40-145 | | | | |
| PCB-167 | 50 | 47.7 | 30.0-67.5 | 13C-PCB-167 | 100 | 62.6 | 40-145 | | | | |
| PCB-156 | 50 | 46.5 | 30.0-67.5 | 13C-PCB-156 | 100 | 65.7 | 40-145 | | | | |
| PCB-157 | 50 | 47.5 | 30.0-67.5 | 13C-PCB-157 | 100 | 65.4 | 40-145 | | | | |
| PCB-169 | 50 | 47.4 | 30.0-67.5 | 13C-PCB-169 | 100 | 66.0 | 40-145 | | | | |
| PCB-188 | 50 | 45.8 | 30.0-67.5 | 13C-PCB-188 | 100 | 55.2 | 40-145 | | | | |
| PCB-189 | 50 | 46.3 | 30.0-67.5 | 13C-PCB-189 | 100 | 67.0 | 40-145 | | | | |
| PCB-202 | 50 | 46.7 | 30.0-67.5 | 13C-PCB-202 | 100 | 73.7 | 40-145 | | | | |
| PCB-205 | 50 | 46.7 | 30.0-67.5 | 13C-PCB-194 | 100 | 66.0 | 40-145 | | | | |
| PCB-208 | 50 | 48.1 | 30.0-67.5 | 13C-PCB-208 | 100 | 68.0 | 40-145 | | | | |
| PCB-206 | 50 | 48.5 | 30.0-67.5 | 13C-PCB-206 | 100 | 77.3 | 40-145 | | | | |
| PCB-209 | 50 | 45.8 | 30.0-67.5 | 13C-PCB-209 | 100 | 93.2 | 40-145 | | | | |

Analyst: DB

Date: 4/13/18

Client ID: OPR  Filename: 180409E1  S:2  Acq:9-APR-18 18:38:48  ConCal: ST180409E1-1  Page 2 of

Lab ID: B8D0041-BS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 1.90e+07 | 2.99 | y 15:58 | 1.07 | 52.49 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Mono | PCB-2 | 2.07e+07 | 3.06 | y 18:23 | 1.06 | 54.57 | | * | 2.5 | * | 0.988 | 0.983-0.993 |
| Mono | PCB-3 | 2.05e+07 | 3.13 | y 18:37 | 1.06 | 53.97 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-4/10 | 2.80e+07 | 1.56 | y 20:00 | 1.24 | 95.74 | | * | 2.5 | * | 1.003 | 0.998-1.008 |
| Di | PCB-7/9 | 3.77e+07 | 1.58 | y 21:48 | 0.99 | 92.75 | | * | 2.5 | * | 0.867 | 0.863-0.871 |
| Di | PCB-6 | 2.08e+07 | 1.65 | y 22:27 | 1.06 | 47.88 | | * | 2.5 | * | 0.893 | 0.888-0.897 |
| Di | PCB-5/8 | 4.26e+07 | 1.59 | y 22:52 | 1.03 | 101.1 | | * | 2.5 | * | 0.909 | 0.904-0.913 |
| Di | PCB-14 | 2.21e+07 | 1.59 | y 23:58 | 1.03 | 43.30 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Di | PCB-11 | 2.55e+07 | 1.56 | y 25:10 | 1.11 | 46.30 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | 4.65e+07 | 1.59 | y 25:33 | 1.02 | 92.38 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Di | PCB-15 | 2.60e+07 | 1.59 | y 25:52 | 1.05 | 49.76 | | * | 2.5 | * | 1.028 | 1.023-1.033 |
| Tri | PCB-19 | 1.71e+07 | 1.06 | y 24:08 | 1.20 | 45.82 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | 2.86e+07 | 1.04 | y 25:02 | 1.93 | 47.43 | | * | 2.5 | * | 1.038 | 1.034-1.044 |
| Tri | PCB-18 | 2.05e+07 | 1.05 | y 25:47 | 0.91 | 42.95 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 1.95e+07 | 1.03 | y 25:58 | 0.84 | 44.26 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 5.48e+07 | 1.04 | y 26:32 | 1.15 | 90.85 | | * | 2.5 | * | 0.981 | 0.977-0.986 |
| Tri | PCB-16/32 | 4.80e+07 | 1.04 | y 27:03 | 1.02 | 89.85 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | 2.28e+07 | 1.05 | y 27:51 | 0.96 | 47.27 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-23 | 2.31e+07 | 1.09 | y 27:57 | 0.95 | 48.38 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Tri | PCB-29 | 2.30e+07 | 1.04 | y 28:11 | 0.96 | 47.59 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-26 | 2.45e+07 | 1.08 | y 28:24 | 1.00 | 48.57 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 2.61e+07 | 1.06 | y 28:34 | 1.06 | 49.09 | | * | 2.5 | * | 0.984 | 0.980-0.990 |
| Tri | PCB-31 | 2.76e+07 | 1.01 | y 28:56 | 1.10 | 50.10 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 2.61e+07 | 1.05 | y 29:01 | 1.14 | 45.63 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 7.46e+07 | 1.05 | y 29:38 | 1.00 | 149.2 | | * | 2.5 | * | 1.021 | 1.017-1.027 |
| Tri | PCB-22 | 2.80e+07 | 1.05 | y 30:05 | 1.09 | 51.34 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | 2.78e+07 | 1.06 | y 30:42 | 1.15 | 44.60 | | * | 2.5 | * | 0.934 | 0.929-0.939 |
| Tri | PCB-39 | 2.60e+07 | 1.08 | y 31:11 | 1.07 | 44.85 | | * | 2.5 | * | 0.948 | 0.943-0.953 |
| Tri | PCB-38 | 2.75e+07 | 1.05 | y 31:56 | 1.10 | 45.89 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-35 | 2.86e+07 | 1.06 | y 32:28 | 1.12 | 46.96 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tri | PCB-37 | 2.79e+07 | 1.06 | y 32:54 | 1.11 | 46.22 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 2.55e+07 | 0.78 | y 27:53 | 1.07 | 48.52 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | 2.17e+07 | 0.78 | y 29:04 | 0.87 | 50.79 | | * | 2.5 | * | 1.043 | 1.038-1.048 |
| Tetra | PCB-53 | 2.11e+07 | 0.79 | y 29:42 | 1.01 | 45.59 | | * | 2.5 | * | 0.945 | 0.940-0.950 |
| Tetra | PCB-51 | 2.35e+07 | 0.78 | y 30:03 | 1.10 | 46.77 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 1.90e+07 | 0.78 | y 30:29 | 0.87 | 47.69 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 1.84e+07 | 0.76 | y 30:58 | 0.84 | 48.18 | | * | 2.5 | * | 0.985 | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/10/18

Reviewed by: CT  Date: 4/12/18

Client ID: OPR  Filename: 180409E1  S:2  Acq:9-APR-18 18:38:48  ConCal: ST180409E1-1  Page 2 of

Lab ID: B8D0041-BS1  GC Column ID: ZB-1  ICal: PCBVG8-2-9-18  wt/vol: 1.000  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 4.95e+07 | 0.79 | y 31:28 | 1.21 | 89.25 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 3.37e+07 | 0.77 | y 31:35 | 1.45 | 50.73 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 4.46e+07 | 0.78 | y 31:44 | 1.01 | 96.48 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 2.13e+07 | 0.77 | y 31:56 | 0.91 | 48.40 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-48/75 | 5.37e+07 | 0.77 | y 32:03 | 1.13 | 97.67 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | 3.17e+07 | 0.76 | y 32:19 | 1.27 | 51.44 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Tetra | PCB-62 | 2.54e+07 | 0.78 | y 32:26 | 1.10 | 47.76 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Tetra | PCB-44 | 2.17e+07 | 0.79 | y 32:44 | 0.85 | 52.36 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Tetra | PCB-42/59 | 5.06e+07 | 0.77 | y 32:58 | 1.02 | 102.2 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 1.13e+08 | 0.78 | y 33:33 | 1.17 | 200.5 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 2.90e+07 | 0.77 | y 33:49 | 1.28 | 46.82 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Tetra | PCB-40 | 1.63e+07 | 0.78 | y 34:01 | 0.62 | 53.82 | | * | 2.5 | * | 1.065 | 1.060-1.070 |
| Tetra | PCB-57 | 3.15e+07 | 0.76 | y 34:23 | 1.13 | 45.54 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 3.11e+07 | 0.77 | y 34:41 | 1.10 | 46.12 | | * | 2.5 | * | 0.978 | 0.973-0.983 |
| Tetra | PCB-58 | 3.31e+07 | 0.79 | y 34:49 | 1.12 | 48.20 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Tetra | PCB-63 | 2.93e+07 | 0.80 | y 34:58 | 1.00 | 47.84 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Tetra | PCB-74 | 3.30e+07 | 0.78 | y 35:15 | 1.18 | 45.50 | | * | 2.5 | * | 0.994 | 0.989-0.999 |
| Tetra | PCB-61/70 | 5.99e+07 | 0.77 | y 35:25 | 1.03 | 95.15 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Tetra | PCB-76/66 | 6.63e+07 | 0.76 | y 35:38 | 1.13 | 95.47 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-80 | 3.27e+07 | 0.77 | y 35:54 | 1.19 | 46.97 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-55 | 3.54e+07 | 0.76 | y 36:12 | 1.16 | 52.31 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Tetra | PCB-56/60 | 6.11e+07 | 0.77 | y 36:42 | 1.04 | 100.5 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | 3.31e+07 | 0.79 | y 37:45 | 1.17 | 48.48 | | * | 2.5 | * | 1.052 | 1.047-1.057 |
| Tetra | PCB-78 | 3.22e+07 | 0.79 | y 38:27 | 1.10 | 49.55 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tetra | PCB-81 | 2.77e+07 | 0.79 | y 38:59 | 0.97 | 48.68 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-77 | 2.95e+07 | 0.76 | y 39:34 | 1.08 | 47.22 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | 2.12e+07 | 1.56 | y 32:36 | 1.08 | 43.22 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-96 | 2.37e+07 | 1.60 | y 33:51 | 1.13 | 46.00 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 1.83e+07 | 1.54 | y 34:24 | 0.91 | 44.30 | | * | 2.5 | * | 1.056 | 1.051-1.061 |
| Penta | PCB-100 | 1.84e+07 | 1.57 | y 34:46 | 0.93 | 43.52 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 1.55e+07 | 1.58 | y 35:14 | 0.91 | 42.61 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 6.04e+07 | 1.58 | y 35:43 | 1.17 | 129.9 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Penta | PCB-93 | 1.42e+07 | 1.58 | y 35:50 | 0.93 | 38.56 | | * | 2.5 | * | 1.002 | 0.997-1.007 |
| Penta | PCB-88/91 | 3.26e+07 | 1.54 | y 36:08 | 0.97 | 84.34 | | * | 2.5 | * | 1.011 | 1.005-1.015 |
| Penta | PCB-121 | 2.74e+07 | 1.63 | y 36:15 | 1.68 | 41.13 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-84/92 | 3.35e+07 | 1.59 | y 37:04 | 0.97 | 92.43 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 1.84e+07 | 1.56 | y 37:15 | 1.06 | 46.42 | | * | 2.5 | * | 0.995 | 0.990-1.000 |

Analyst: DB  CT

Date: 4/13/18  4/13/18

Client ID: OPR  Filename: 180409E1  S:2  Acq:9-APR-18 18:38:48  Con.Cal: ST180409E1-1
Lab ID: B8D0041-B31  GC Column ID: ZB-1  ICal: PCBVG8 2-8-18  wt/vol: 1.000  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 3.52e+07 | 1.55 | y 37:26 | 1.08 | 87.64 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 2.28e+07 | 1.54 | y 37:41 | 1.48 | 41.33 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Penta | PCB-99 | 2.19e+07 | 1.61 | y 37:46 | 1.25 | 46.75 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 2.42e+07 | 1.57 | y 38:15 | 1.70 | 43.45 | | * | 2.5 | * | 0.988 | 0.982-0.992 |
| Penta | PCB-108/112 | 4.05e+07 | 1.59 | y 38:24 | 1.40 | 88.01 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | 2.52e+07 | 1.55 | y 38:33 | 1.75 | 43.84 | | * | 2.5 | * | 0.995 | 0.990-1.000 |
| Penta | PCB-97 | 1.69e+07 | 1.55 | y 38:44 | 1.17 | 43.90 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | 1.64e+07 | 1.59 | y 38:53 | 1.08 | 46.36 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-87/117/125 | 6.35e+07 | 1.57 | y 39:01 | 1.55 | 125.0 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Penta | PCB-111/115 | 4.77e+07 | 1.55 | y 39:10 | 1.79 | 81.28 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Penta | PCB-85/116 | 3.80e+07 | 1.58 | y 39:17 | 1.29 | 89.96 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | 2.55e+07 | 1.58 | y 39:33 | 1.98 | 39.34 | | * | 2.5 | * | 1.021 | 1.016-1.026 |
| Penta | PCB-110 | 2.48e+07 | 1.57 | y 39:41 | 1.69 | 44.99 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 1.65e+07 | 1.62 | y 40:19 | 0.81 | 44.74 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 2.61e+07 | 1.55 | y 41:00 | 1.30 | 44.16 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Penta | PCB-107/109 | 5.09e+07 | 1.56 | y 41:09 | 1.31 | 84.88 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Penta | PCB-123 | 2.32e+07 | 1.55 | y 41:19 | 1.12 | 45.39 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 5.07e+07 | 1.58 | y 41:30 | 1.18 | 90.99 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-114 | 2.01e+07 | 1.55 | y 42:08 | 1.11 | 43.98 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-122 | 2.00e+07 | 1.54 | y 42:16 | 1.03 | 47.56 | | * | 2.5 | * | 1.003 | 0.999-1.009 |
| Penta | PCB-105 | 2.12e+07 | 1.56 | y 43:00 | 1.12 | 45.22 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-127 | 2.24e+07 | 1.57 | y 43:21 | 1.12 | 44.73 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-126 | 2.36e+07 | 1.61 | y 45:14 | 1.20 | 46.47 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-155 | 1.83e+07 | 1.21 | y 37:00 | 0.99 | 43.55 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-150 | 2.04e+07 | 1.28 | y 38:16 | 1.02 | 46.78 | | * | 2.5 | * | 1.035 | 1.030-1.040 |
| Hexa | PCB-152 | 2.34e+07 | 1.28 | y 38:44 | 1.16 | 47.63 | | * | 2.5 | * | 1.047 | 1.042-1.052 |
| Hexa | PCB-145 | 2.20e+07 | 1.25 | y 39:10 | 1.13 | 45.87 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Hexa | PCB-136 | 2.00e+07 | 1.26 | y 39:30 | 1.02 | 45.93 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | 1.49e+07 | 1.21 | y 39:37 | 0.77 | 45.45 | | * | 2.5 | * | 1.071 | 1.066-1.076 |
| Hexa | PCB-154 | 1.68e+07 | 1.25 | y 40:06 | 0.88 | 45.09 | | * | 2.5 | * | 1.084 | 1.079-1.089 |
| Hexa | PCB-151 | 1.58e+07 | 1.24 | y 40:44 | 0.75 | 49.45 | | * | 2.5 | * | 1.101 | 1.095-1.107 |
| Hexa | PCB-135 | 1.80e+07 | 1.26 | y 40:57 | 0.86 | 49.33 | | * | 2.5 | * | 1.107 | 1.101-1.113 |
| Hexa | PCB-144 | 1.57e+07 | 1.29 | y 41:04 | 0.77 | 48.14 | | * | 2.5 | * | 1.110 | 1.105-1.116 |
| Hexa | PCB-147 | 1.67e+07 | 1.27 | y 41:12 | 0.80 | 48.82 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 3.66e+07 | 1.22 | y 41:27 | 0.88 | 97.96 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | 1.60e+07 | 1.24 | y 41:38 | 0.77 | 48.93 | | * | 2.5 | * | 1.126 | 1.120-1.132 |
| Hexa | PCB-134/143 | 3.58e+07 | 1.23 | y 42:04 | 0.76 | 102.4 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: OPR  Filename: 180409E1  S:2  Acq:9-APR-18 18:38:48  ConCal: ST180409E1-1  Page 2 of

Lab ID: B8D0041-BS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 1.000  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 3.79e+07 | 1.23 | y 42:22 | 0.82 | 101.3 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Hexa | PCB-142 | 1.73e+07 | 1.26 | y 42:31 | 0.73 | 51.74 | | * | 2.5 | * | 0.985 | 0.981-0.991 |
| Hexa | PCB-146/165 | 4.59e+07 | 1.23 | y 42:45 | 1.02 | 98.21 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Hexa | PCB-132/161 | 4.61e+07 | 1.22 | y 43:00 | 1.00 | 100.2 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 2.44e+07 | 1.22 | y 43:10 | 1.08 | 49.43 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | 2.43e+07 | 1.22 | y 43:23 | 1.12 | 47.56 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Hexa | PCB-141 | 2.01e+07 | 1.21 | y 43:54 | 1.02 | 49.24 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 1.96e+07 | 1.39 | y 44:16 | 1.10 | 44.30 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Hexa | PCB-130 | 1.90e+07 | 1.08 | y 44:23 | 0.81 | 59.03 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 7.78e+07 | 1.25 | y 44:45 | 1.23 | 141.8 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-158/160 | 5.02e+07 | 1.27 | y 45:00 | 1.18 | 95.75 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 1.67e+07 | 1.24 | y 45:14 | 0.78 | 47.96 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-166 | 2.82e+07 | 1.23 | y 45:42 | 1.13 | 47.52 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Hexa | PCB-159 | 2.94e+07 | 1.25 | y 46:02 | 1.16 | 48.27 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-128/162 | 4.51e+07 | 1.23 | y 46:19 | 0.89 | 96.34 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Hexa | PCB-167 | 2.57e+07 | 1.24 | y 46:42 | 1.02 | 47.70 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-156 | 2.70e+07 | 1.25 | y 47:59 | 1.06 | 46.48 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 2.64e+07 | 1.26 | y 48:16 | 1.02 | 47.52 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | 2.96e+07 | 1.24 | y 50:28 | 1.13 | 47.35 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-188 | 2.28e+07 | 1.06 | y 42:48 | 1.37 | 45.84 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-184 | 2.27e+07 | 1.05 | y 43:15 | 1.32 | 47.56 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Hepta | PCB-179 | 2.55e+07 | 1.06 | y 44:01 | 1.38 | 50.84 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | 2.42e+07 | 1.06 | y 44:29 | 1.31 | 50.96 | | * | 2.5 | * | 1.040 | 1.035-1.045 |
| Hepta | PCB-186 | 2.70e+07 | 1.04 | y 45:06 | 1.42 | 52.50 | | * | 2.5 | * | 1.054 | 1.049-1.059 |
| Hepta | PCB-178 | 1.84e+07 | 1.03 | y 45:36 | 0.97 | 52.51 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Hepta | PCB-175 | 1.91e+07 | 1.04 | y 45:56 | 1.00 | 52.73 | | * | 2.5 | * | 1.074 | 1.069-1.079 |
| Hepta | PCB-182/187 | 4.31e+07 | 1.06 | y 46:06 | 1.14 | 104.2 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | 2.09e+07 | 1.05 | y 46:26 | 1.13 | 51.23 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | 1.88e+07 | 1.05 | y 47:05 | 1.36 | 47.21 | | * | 2.5 | * | 0.956 | 0.950-0.960 |
| Hepta | PCB-174 | 1.88e+07 | 1.04 | y 47:26 | 1.42 | 45.14 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | 2.13e+07 | 1.06 | y 47:33 | 1.48 | 49.02 | | * | 2.5 | * | 0.965 | 0.960-0.970 |
| Hepta | PCB-177 | 1.87e+07 | 1.06 | y 47:43 | 1.33 | 47.90 | | * | 2.5 | * | 0.969 | 0.963-0.973 |
| Hepta | PCB-171 | 1.89e+07 | 1.05 | y 48:00 | 1.37 | 46.86 | | * | 2.5 | * | 0.974 | 0.969-0.979 |
| Hepta | PCB-173 | 1.80e+07 | 1.01 | y 48:26 | 1.27 | 48.10 | | * | 2.5 | * | 0.983 | 0.978-0.988 |
| Hepta | PCB-172 | 1.97e+07 | 1.05 | y 48:53 | 1.39 | 48.35 | | * | 2.5 | * | 0.992 | 0.987-0.997 |
| Hepta | PCB-192 | 2.56e+07 | 1.04 | y 49:04 | 1.80 | 48.29 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Hepta | PCB-180 | 2.11e+07 | 1.02 | y 49:17 | 1.52 | 47.37 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: OPR  Filename: 180409E1  S:2  Acq:9-APR-18 18:38:48  ConCal: ST180409E1-1
Lab ID: B8D0041-BS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol. 1.000  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | 2.39e+07 | 1.03 | y 49:29 | 1.71 | 47.50 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-191 | 2.49e+07 | 1.03 | y 49:45 | 1.74 | 48.72 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Hepta | PCB-170 | 1.92e+07 | 1.05 | y 50:53 | 1.44 | 47.89 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-190 | 2.59e+07 | 1.06 | y 51:04 | 1.95 | 47.55 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | 2.44e+07 | 1.02 | y 52:30 | 1.46 | 46.31 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-202 | 2.19e+07 | 0.89 | y 48:12 | 1.06 | 46.67 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-201 | 2.00e+07 | 0.86 | y 48:41 | 0.98 | 46.12 | | * | 2.5 | * | 1.010 | 1.006-1.016 |
| Octa | PCB-204 | 2.22e+07 | 0.87 | y 48:50 | 1.07 | 46.67 | | * | 2.5 | * | 1.013 | 1.009-1.019 |
| Octa | PCB-197 | 2.21e+07 | 0.90 | y 49:09 | 1.10 | 45.36 | | * | 2.5 | * | 1.020 | 1.015-1.025 |
| Octa | PCB-200 | 2.16e+07 | 0.88 | y 50:03 | 1.04 | 46.73 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Octa | PCB-198 | 1.77e+07 | 0.94 | y 51:32 | 0.84 | 47.65 | | * | 2.5 | * | 1.070 | 1.065-1.075 |
| Octa | PCB-199 | 1.78e+07 | 0.83 | y 51:39 | 0.80 | 50.17 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 3.62e+07 | 0.89 | y 51:56 | 0.84 | 97.17 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Octa | PCB-195 | 1.41e+07 | 0.91 | y 53:10 | 1.04 | 44.81 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 1.60e+07 | 0.90 | y 54:04 | 1.16 | 45.43 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | 1.90e+07 | 0.89 | y 54:20 | 1.33 | 46.71 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Nona | PCB-208 | 1.92e+07 | 1.31 | y 53:19 | 0.90 | 48.13 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | 1.96e+07 | 1.32 | y 53:38 | 0.89 | 49.38 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Nona | PCB-206 | 1.60e+07 | 1.34 | y 55:37 | 0.88 | 48.48 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 1.97e+07 | 1.18 | y 56:56 | 1.04 | 45.84 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: JB

Date: 4/10/18

Client ID: OPR  Filename: 180409E1  S:2  Acq:9-APR-18 18:38:48  ConCal: ST180409E1-1
Lab ID: B8D0041-BS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol:1.0000  EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 3.37e+07 | 3.28 y | 1.13 | 15:57 | 0.617 | 0.616-0.622 | 29.6 | 29.6 |
| 13C-PCB-3 | 3.57e+07 | 3.25 y | 1.21 | 18:36 | 0.720 | 0.716-0.724 | 29.3 | 29.3 |
| 13C-PCB-4 | 2.36e+07 | 1.50 y | 0.59 | 19:57 | 0.772 | 0.769-0.777 | 39.5 | 39.5 |
| 13C-PCB-9 | 4.10e+07 | 1.54 y | 0.94 | 21:45 | 0.841 | 0.837-0.845 | 43.2 | 43.2 |
| 13C-PCB-11 | 4.95e+07 | 1.52 y | 0.95 | 25:09 | 0.973 | 0.968-0.978 | 51.8 | 51.8 |
| 13C-PCB-19 | 3.13e+07 | 1.05 y | 0.62 | 24:07 | 0.933 | 0.928-0.938 | 49.7 | 49.7 |
| 13C-PCB-28 | 5.02e+07 | 0.99 y | 1.05 | 29:01 | 1.004 | 0.999-1.009 | 52.8 | 52.8 |
| 13C-PCB-32 | 5.24e+07 | 1.07 y | 0.91 | 27:03 | 1.046 | 1.041-1.051 | 57.1 | 57.1 |
| 13C-PCB-37 | 5.43e+07 | 1.09 y | 1.02 | 32:53 | 1.138 | 1.132-1.144 | 58.7 | 58.7 |
| 13C-PCB-47 | 4.85e+07 | 0.78 y | 0.83 | 31:56 | 0.871 | 0.867-0.875 | 58.7 | 58.7 |
| 13C-PCB-52 | 4.58e+07 | 0.80 y | 0.76 | 31:26 | 0.857 | 0.853-0.861 | 60.5 | 60.5 |
| 13C-PCB-54 | 4.90e+07 | 0.78 y | 0.93 | 27:52 | 0.760 | 0.756-0.764 | 53.2 | 53.2 |
| 13C-PCB-70 | 6.12e+07 | 0.78 y | 1.00 | 35:27 | 0.966 | 0.961-0.971 | 62.0 | 62.0 |
| 13C-PCB-77 | 5.77e+07 | 0.79 y | 0.96 | 39:34 | 1.079 | 1.073-1.083 | 60.7 | 60.7 |
| 13C-PCB-80 | 5.84e+07 | 0.78 y | 1.00 | 35:53 | 0.978 | 0.973-0.983 | 59.2 | 59.2 |
| 13C-PCB-81 | 5.88e+07 | 0.79 y | 1.01 | 38:58 | 1.062 | 1.057-1.067 | 59.0 | 59.0 |
| 13C-PCB-95 | 3.97e+07 | 1.60 y | 0.80 | 35:45 | 0.913 | 0.908-0.918 | 67.2 | 67.2 |
| 13C-PCB-97 | 3.27e+07 | 1.61 y | 0.70 | 38:44 | 0.989 | 0.984-0.994 | 63.4 | 63.4 |
| 13C-PCB-101 | 3.73e+07 | 1.61 y | 0.80 | 37:26 | 0.956 | 0.951-0.961 | 63.2 | 63.2 |
| 13C-PCB-104 | 4.56e+07 | 1.55 y | 1.01 | 32:35 | 0.832 | 0.828-0.836 | 61.4 | 61.4 |
| 13C-PCB-105 | 4.17e+07 | 1.59 y | 1.14 | 42:59 | 0.929 | 0.924-0.934 | 60.6 | 60.6 |
| 13C-PCB-114 | 4.10e+07 | 1.54 y | 1.18 | 42:08 | 0.911 | 0.905-0.915 | 57.5 | 57.5 |
| 13C-PCB-118 | 4.72e+07 | 1.58 y | 1.00 | 41:29 | 1.059 | 1.054-1.064 | 64.4 | 64.4 |
| 13C-PCB-123 | 4.56e+07 | 1.57 y | 0.95 | 41:18 | 1.054 | 1.049-1.059 | 65.6 | 65.6 |
| 13C-PCB-126 | 4.22e+07 | 1.61 y | 1.14 | 45:13 | 0.977 | 0.972-0.982 | 61.7 | 61.7 |
| 13C-PCB-127 | 4.49e+07 | 1.57 y | 1.24 | 43:20 | 0.937 | 0.931-0.941 | 59.9 | 59.9 |
| 13C-PCB-138 | 4.44e+07 | 1.26 y | 1.17 | 44:44 | 0.967 | 0.962-0.972 | 62.8 | 62.8 |
| 13C-PCB-141 | 4.00e+07 | 1.24 y | 1.11 | 43:53 | 0.948 | 0.944-0.954 | 60.0 | 60.0 |
| 13C-PCB-153 | 4.58e+07 | 1.25 y | 1.34 | 43:09 | 0.933 | 0.928-0.938 | 56.9 | 56.9 |
| 13C-PCB-155 | 4.25e+07 | 1.26 y | 0.83 | 36:59 | 0.944 | 0.939-0.949 | 69.9 | 69.9 |
| 13C-PCB-156 | 5.47e+07 | 1.25 y | 1.38 | 47:58 | 1.037 | 1.032-1.042 | 65.7 | 65.7 |
| 13C-PCB-157 | 5.41e+07 | 1.26 y | 1.37 | 48:15 | 1.043 | 1.037-1.047 | 65.4 | 65.4 |
| 13C-PCB-159 | 5.26e+07 | 1.29 y | 1.39 | 46:00 | 0.994 | 0.989-0.999 | 62.8 | 62.8 |
| 13C-PCB-167 | 5.28e+07 | 1.28 y | 1.40 | 46:42 | 1.009 | 1.004-1.014 | 62.6 | 62.6 |
| 13C-PCB-169 | 5.53e+07 | 1.28 y | 1.39 | 50:27 | 1.090 | 1.085-1.095 | 66.0 | 66.0 |
| 13C-PCB-170 | 2.79e+07 | 0.48 y | 0.86 | 50:52 | 1.103 | 1.097-1.109 | 69.2 | 69.2 |
| 13C-PCB-180 | 2.94e+07 | 0.46 y | 0.98 | 49:16 | 1.069 | 1.064-1.074 | 64.2 | 64.2 |
| 13C-PCB-188 | 3.62e+07 | 0.46 y | 1.40 | 42:47 | 0.928 | 0.923-0.933 | 55.2 | 55.2 |
| 13C-PCB-189 | 3.61e+07 | 0.46 y | 1.15 | 52:29 | 1.138 | 1.132-1.144 | 67.0 | 67.0 |
| 13C-PCB-194 | 3.05e+07 | 0.91 y | 0.77 | 54:03 | 0.995 | 0.990-1.000 | 66.0 | 66.0 |
| 13C-PCB-202 | 4.44e+07 | 0.89 y | 1.28 | 48:11 | 1.045 | 1.040-1.050 | 73.7 | 73.7 |
| 13C-PCB-206 | 3.75e+07 | 0.78 y | 0.81 | 55:36 | 1.024 | 1.019-1.029 | 77.3 | 77.3 |
| 13C-PCB-208 | 4.46e+07 | 0.78 y | 1.09 | 53:18 | 0.981 | 0.977-0.987 | 68.0 | 68.0 |
| 13C-PCB-209 | 4.12e+07 | 1.19 y | 0.74 | 56:55 | 1.048 | 1.043-1.053 | 93.2 | 93.2 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 7.18e+07 | 0.82 y | 1.03 | 37:45 | 1.029 | 1.024-1.034 | 70.3 | 70.3 |
| 13C-PCB-178 | 3.26e+07 | 0.46 y | 0.93 | 45:34 | 0.985 | 0.980-0.990 | 74.9 | 74.9 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 7.18e+07 | 0.82 y | 1.03 | 37:45 | 0.969 | 0.963-0.973 | 119 | 119 |
| 13C-PCB-178 | 3.26e+07 | 0.46 y | 0.95 | 45:34 | 0.925 | 0.920-0.930 | 117 | 117 |

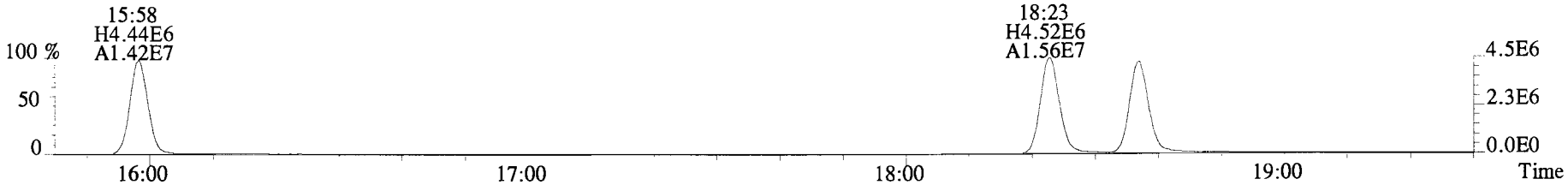
RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 1.01e+08 | 1.52 y | 1.00 | 25:51 | 100 |
| 13C-PCB-31 | 9.08e+07 | 1.01 y | 1.00 | 28:54 | 100 |
| 13C-PCB-60 | 9.88e+07 | 0.78 y | 1.00 | 36:41 | 100 |
| 13C-PCB-111 | 7.36e+07 | 1.55 y | 1.00 | 39:10 | 100 |
| 13C-PCB-128 | 6.03e+07 | 1.29 y | 1.00 | 46:16 | 100 |
| 13C-PCB-182 | 4.70e+07 | 0.45 y | 1.00 | 46:06 | 100 |
| 13C-PCB-205 | 6.00e+07 | 0.91 y | 1.00 | 54:19 | 100 |

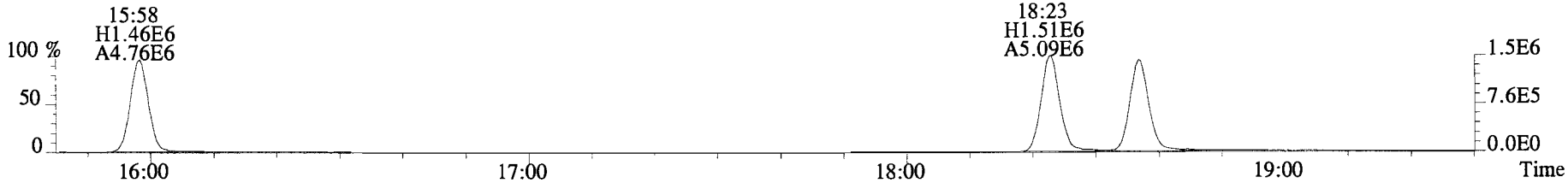
Analyst: DB

Date: 4/10/18

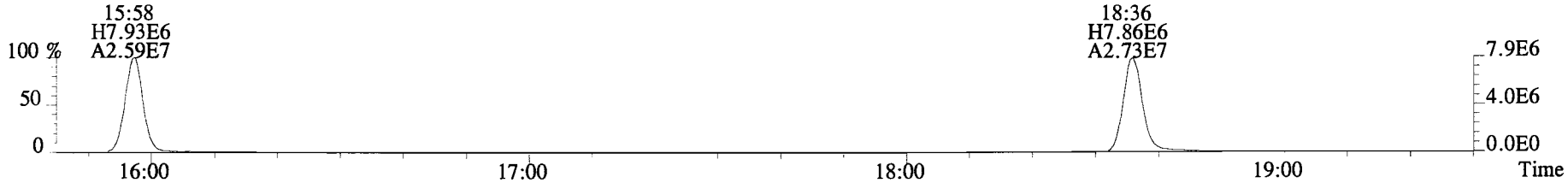
File:180409E1 #1-866 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
188.0393 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6336.0,0.00%,F,F)



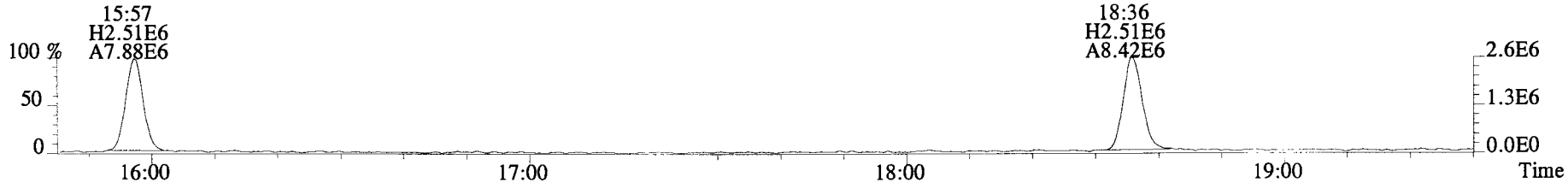

190.0363 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4256.0,0.00%,F,F)



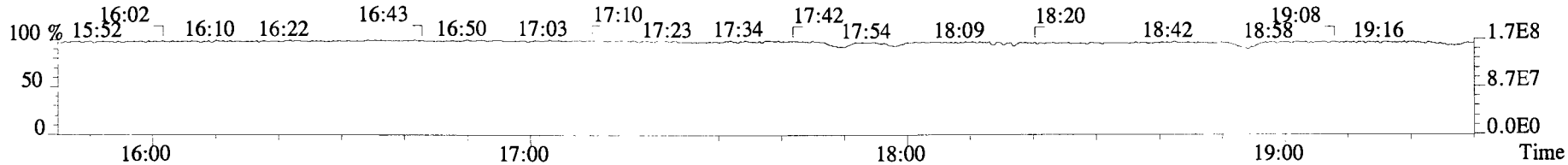

200.0795 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6792.0,0.00%,F,F)



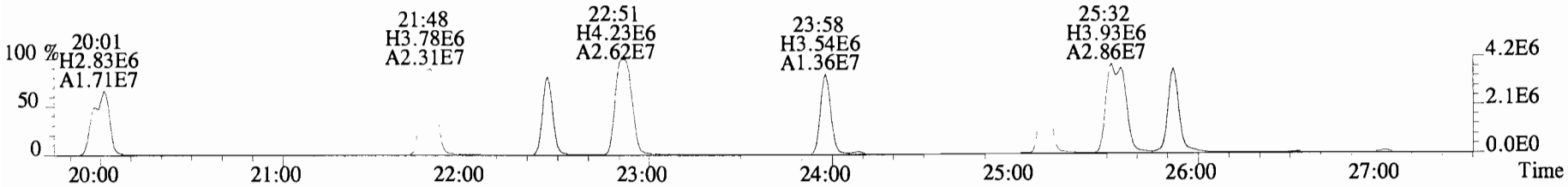

202.0766 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,74900.0,0.00%,F,F)



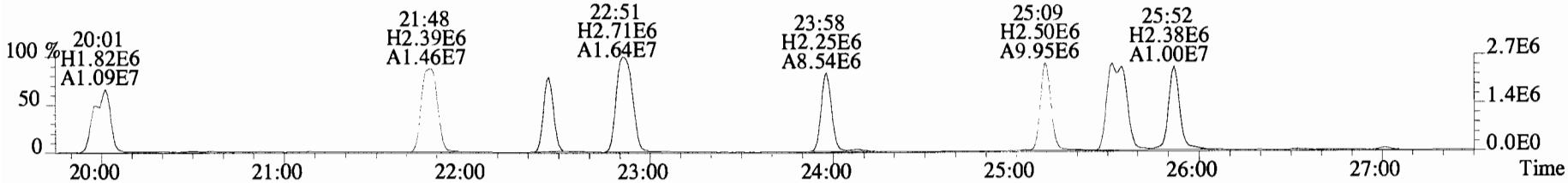

180.9880 S:2



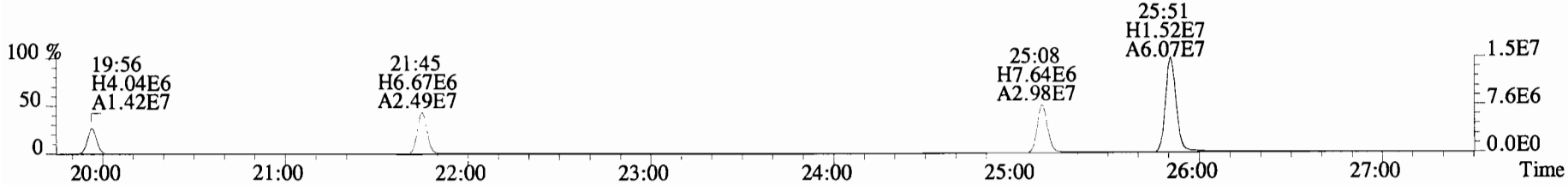
File:180409E1 #1-758 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
222.0003 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5244.0,0.00%,F,F)



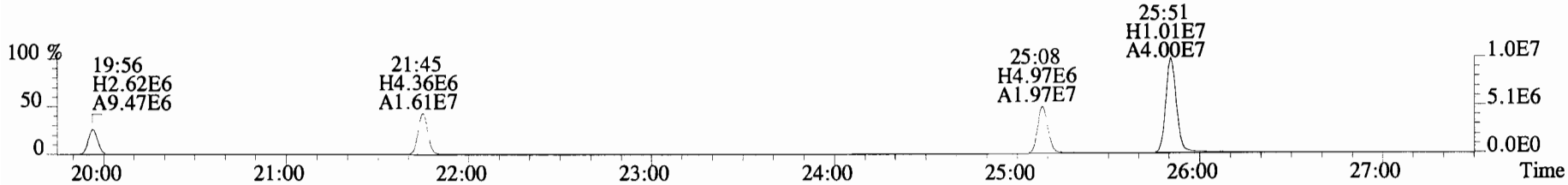

223.9974 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22128.0,0.00%,F,F)



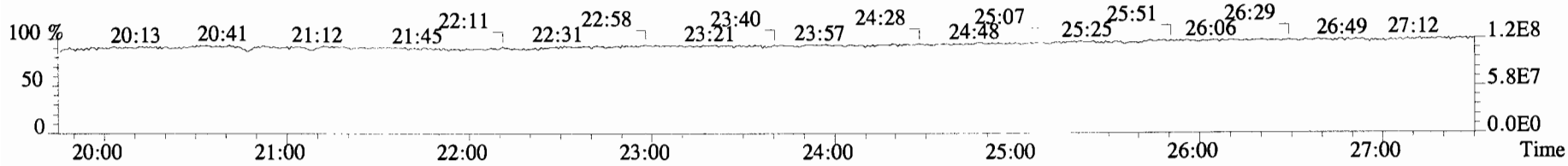

234.0406 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3172.0,0.00%,F,F)



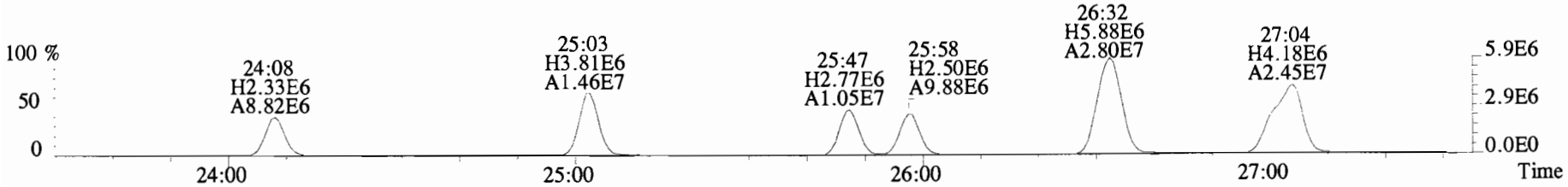

236.0376 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2652.0,0.00%,F,F)



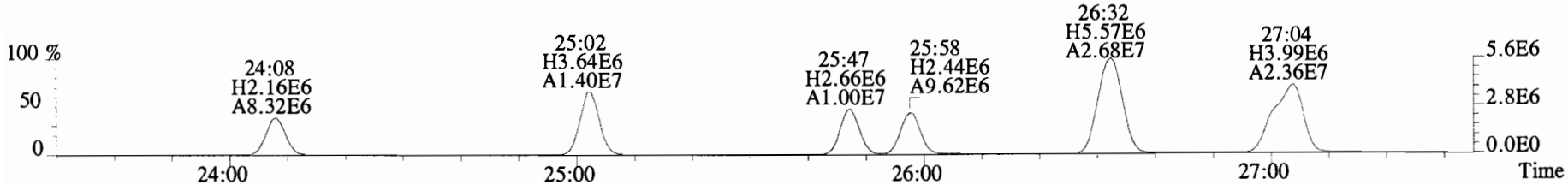

230.9856 S:2 F:2



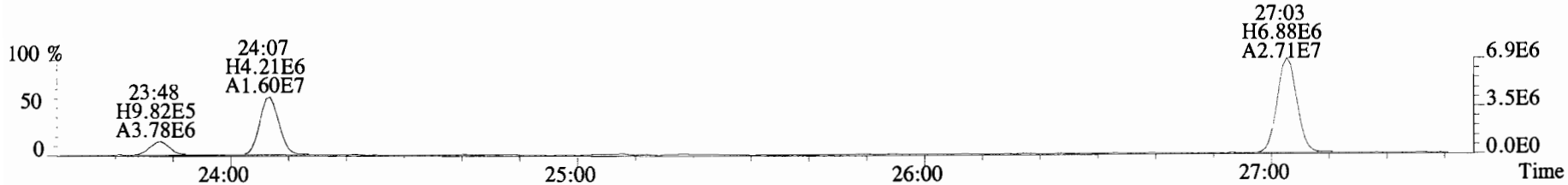
File:180409E1 #1-758 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
255.9613 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3392.0,0.00%,F,F)



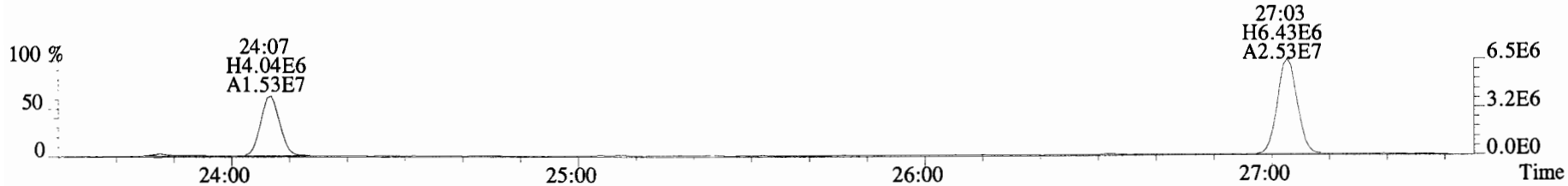

257.9584 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2504.0,0.00%,F,F)



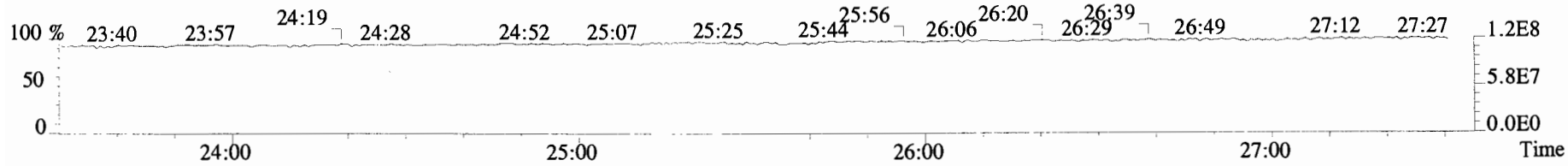

268.0016 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,68488.0,0.00%,F,F)



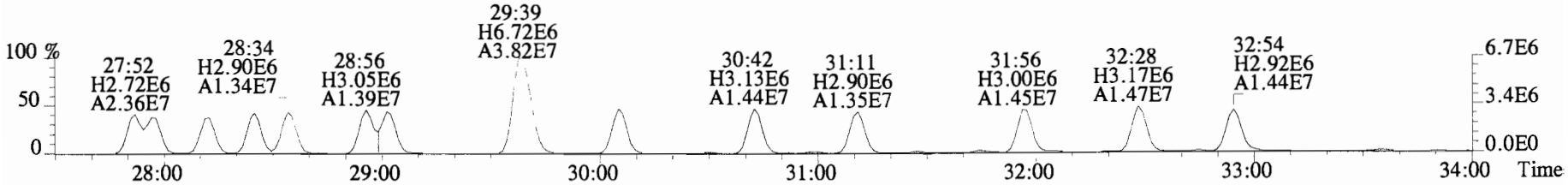

269.9986 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,53748.0,0.00%,F,F)



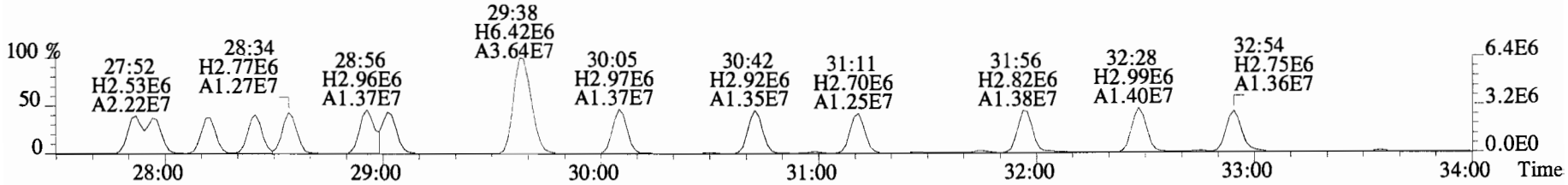

230.9856 S:2 F:2



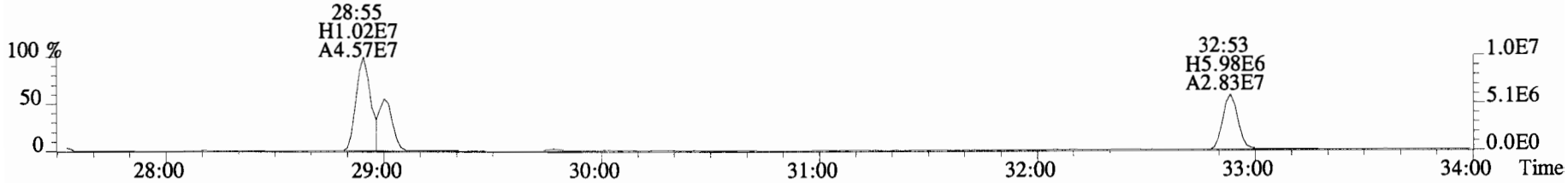
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
255.9613 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14820.0,0.00%,F,F)



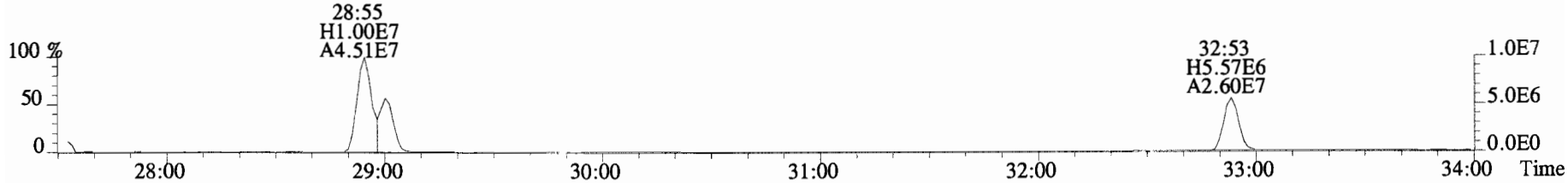

257.9584 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6576.0,0.00%,F,F)



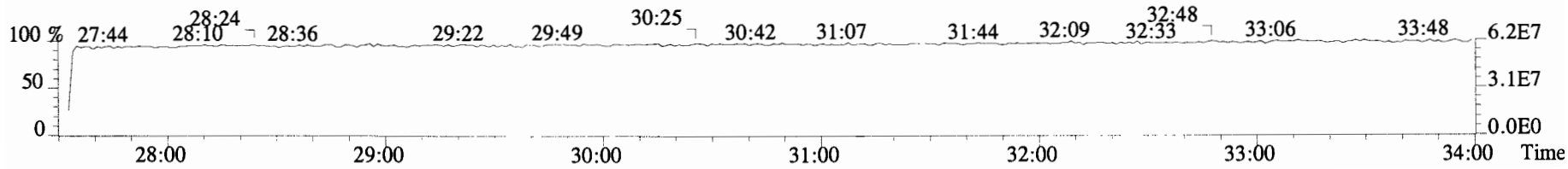

268.0016 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,92880.0,0.00%,F,F)



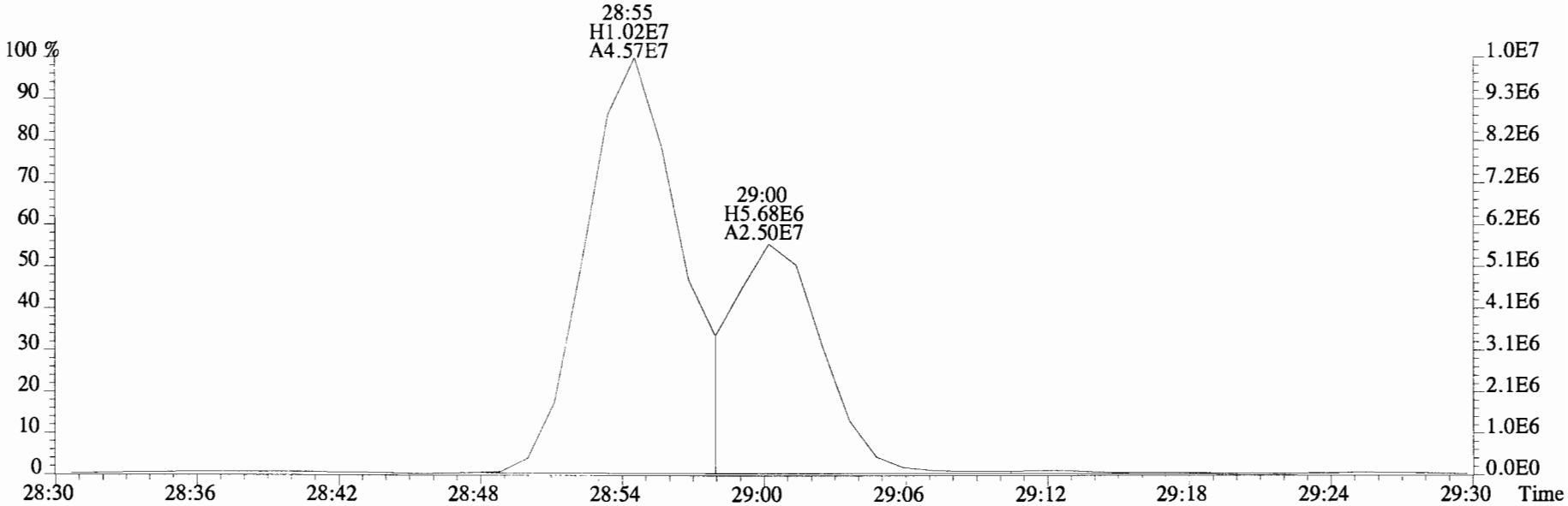

269.9986 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,56240.0,0.00%,F,F)



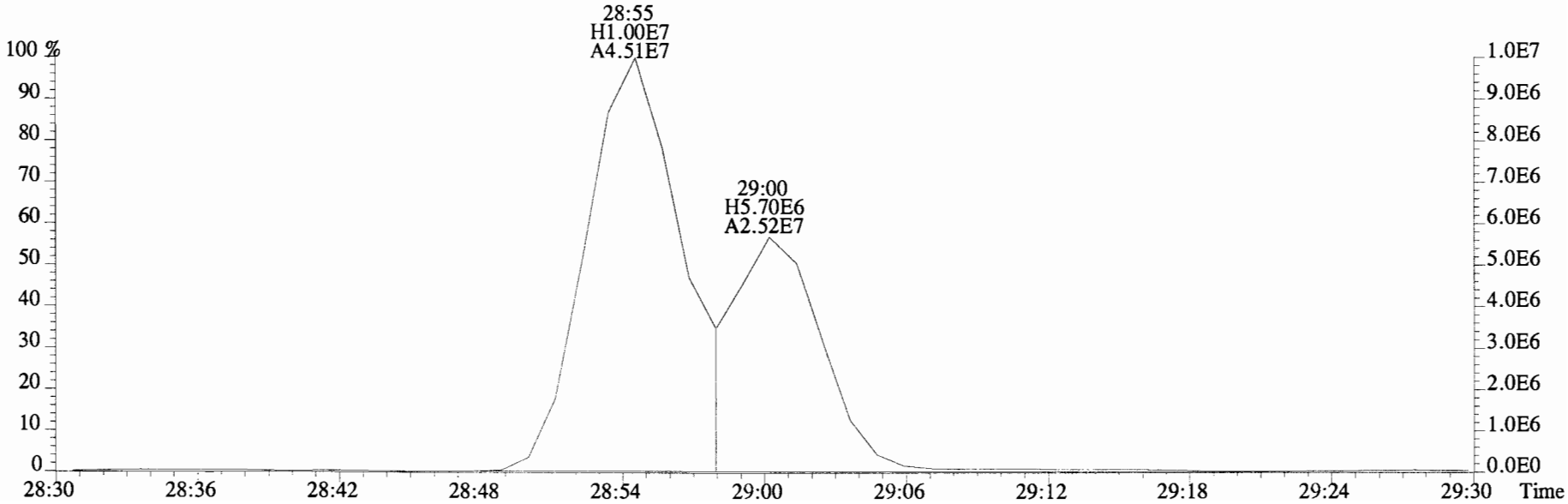

330.9792 S:2 F:3



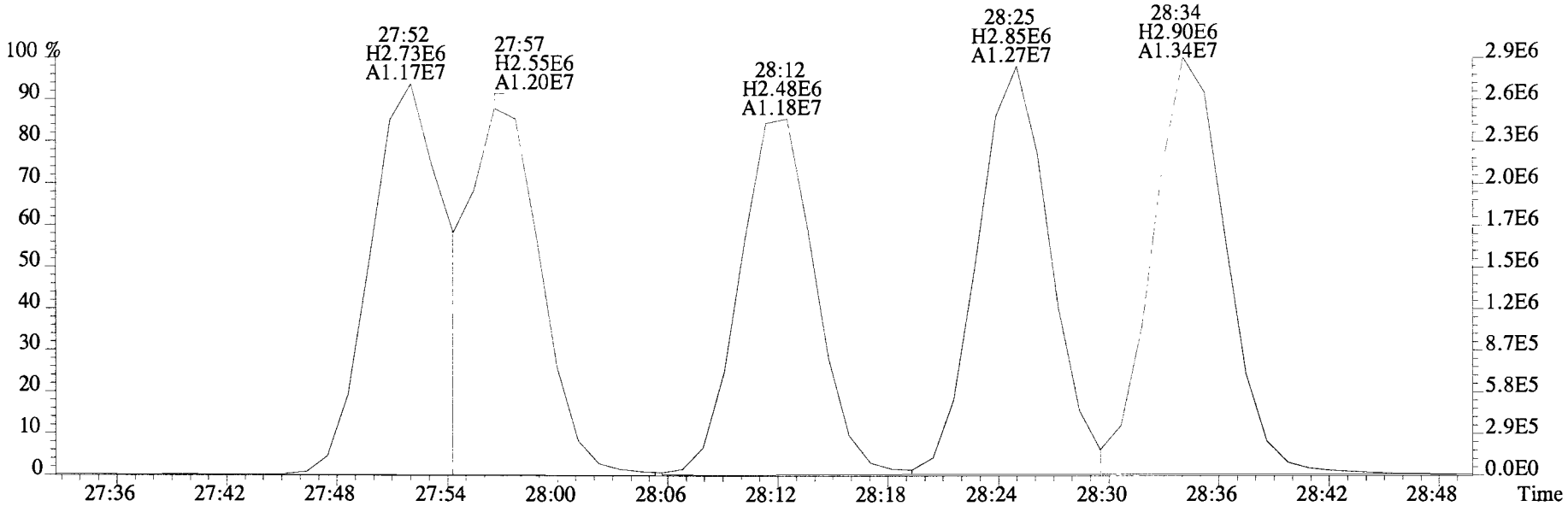
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
268.0016 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,92880.0,0.00%,F,F)



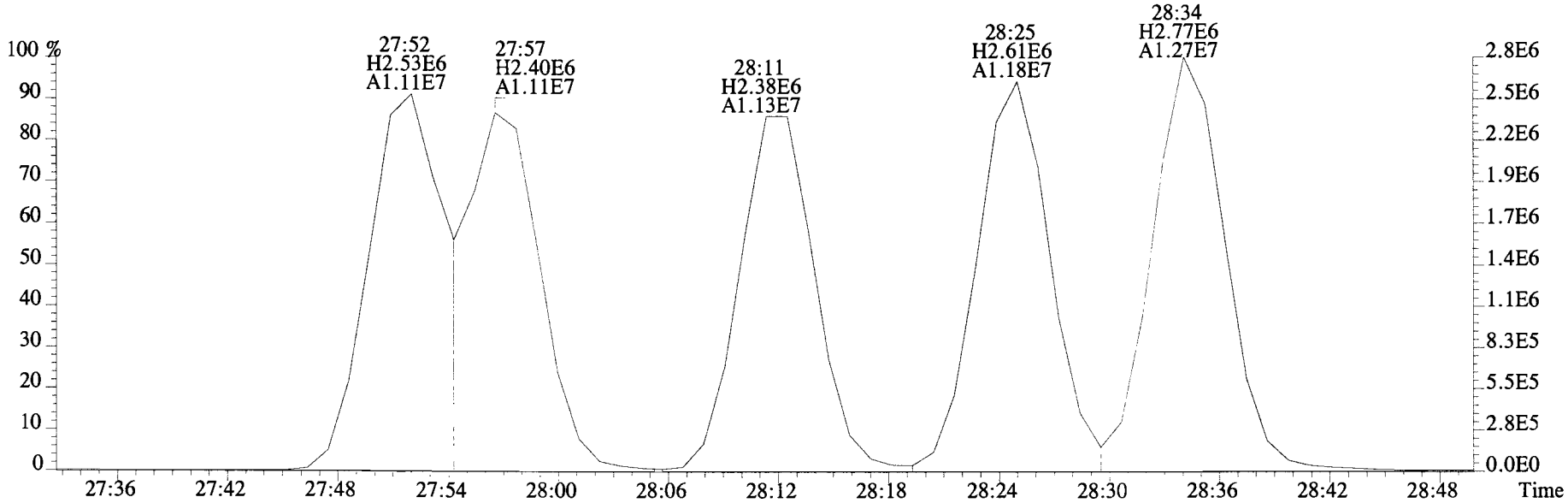

269.9986 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,56240.0,0.00%,F,F)



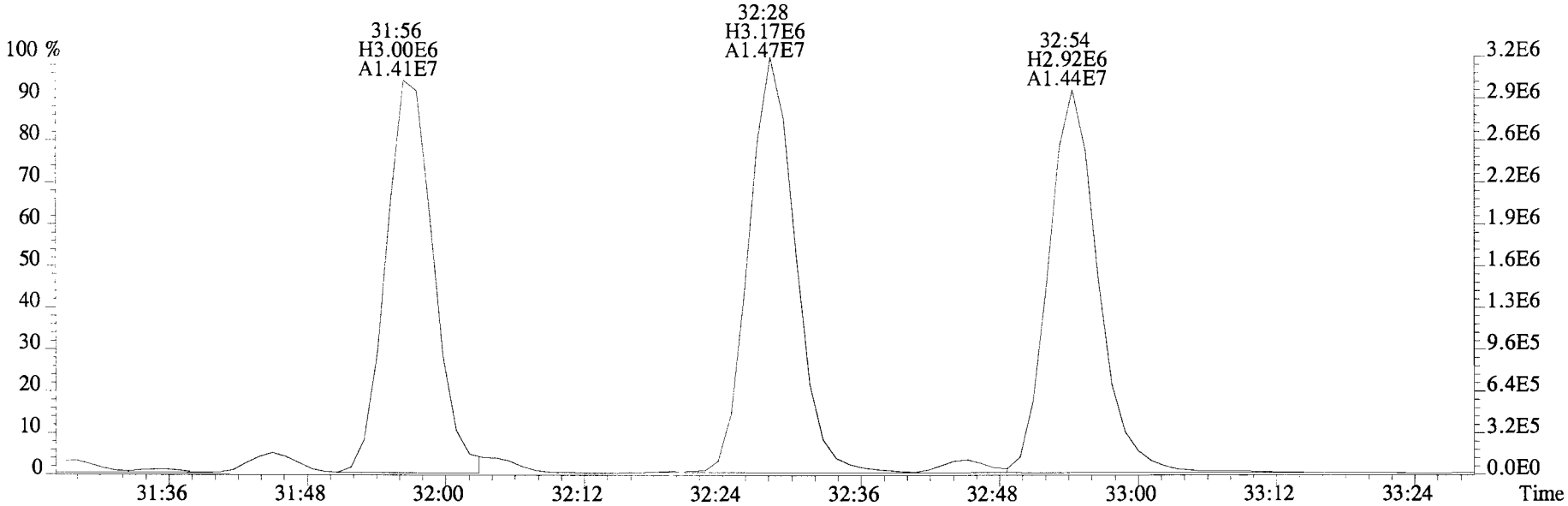
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
255.9613 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14820.0,0.00%,F,F)



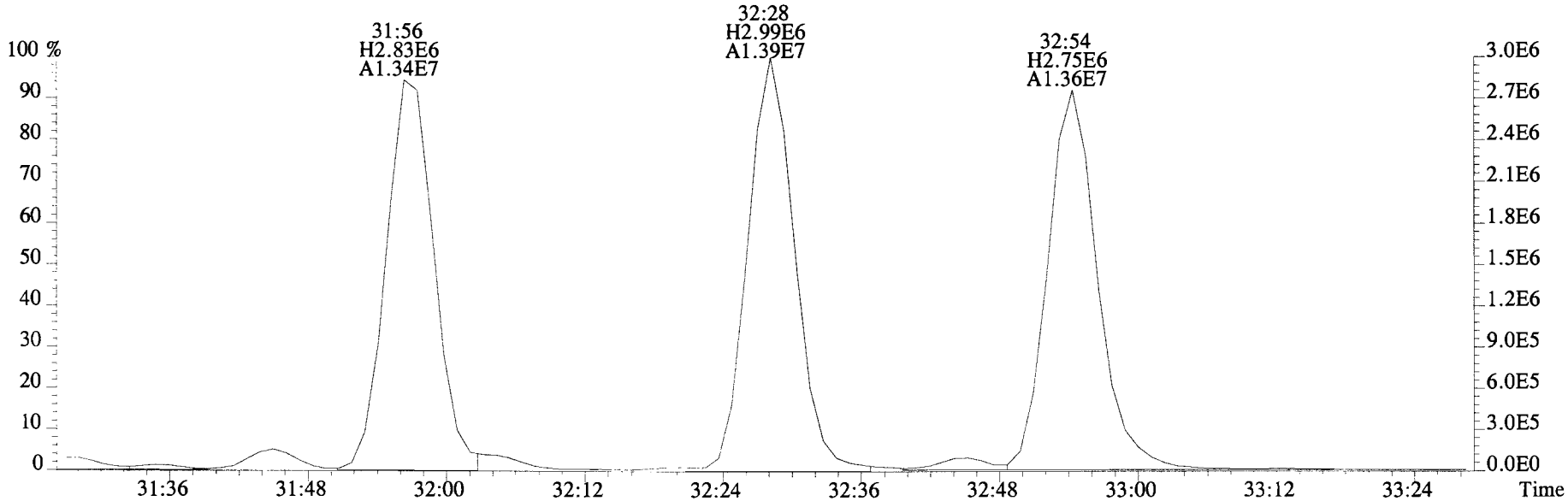

257.9584 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6576.0,0.00%,F,F)



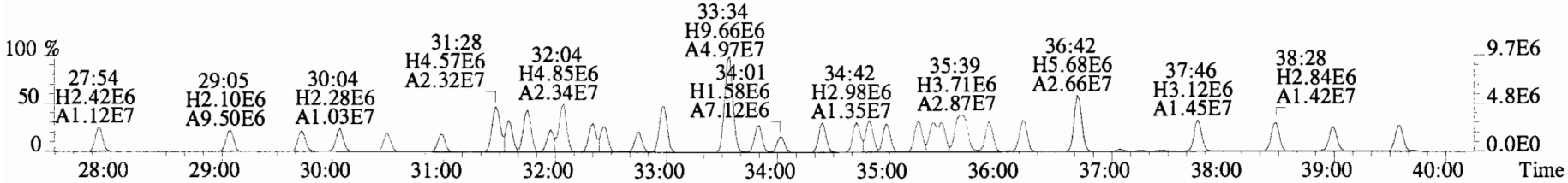
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
255.9613 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14820.0,0.00%,F,F)



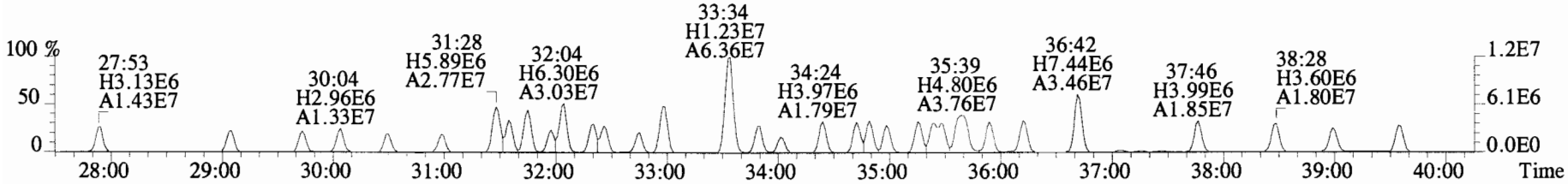

257.9584 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6576.0,0.00%,F,F)



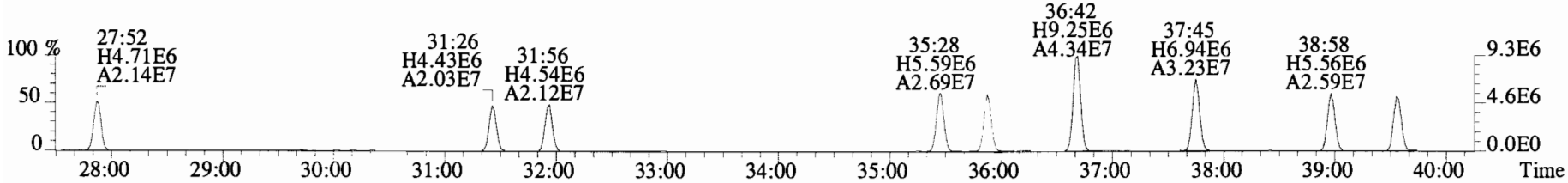
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6752.0,0.00%,F,F)



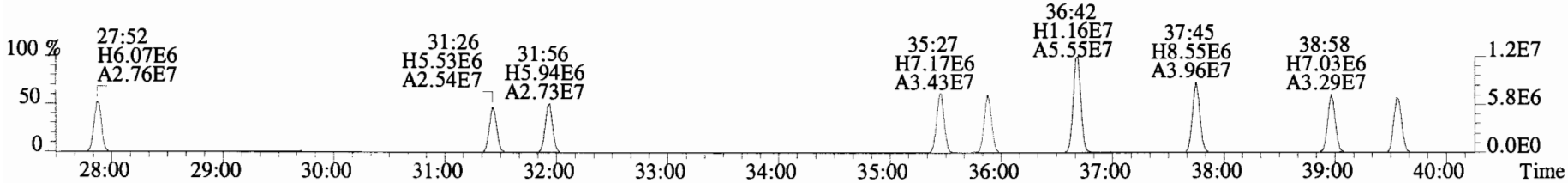

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14460.0,0.00%,F,F)



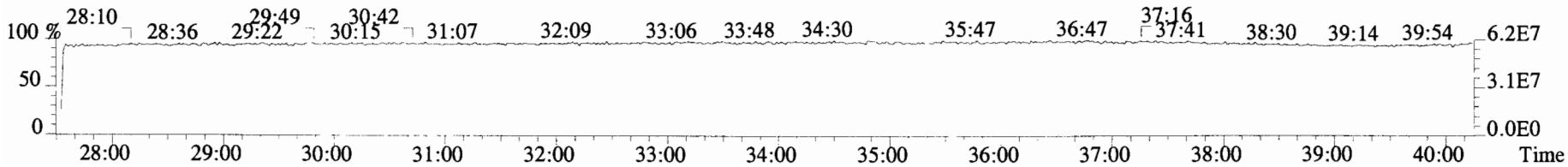

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24588.0,0.00%,F,F)



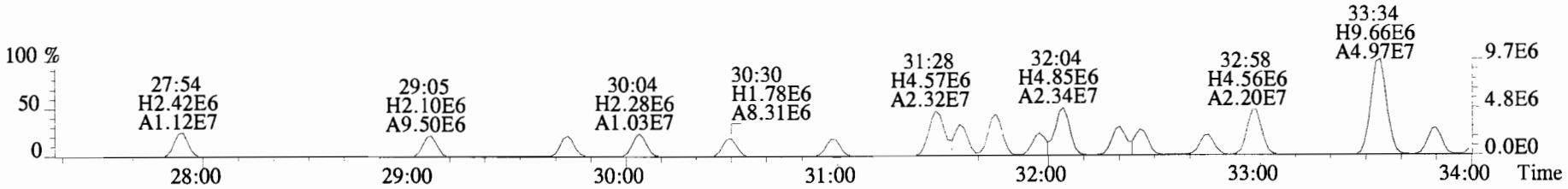

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17352.0,0.00%,F,F)



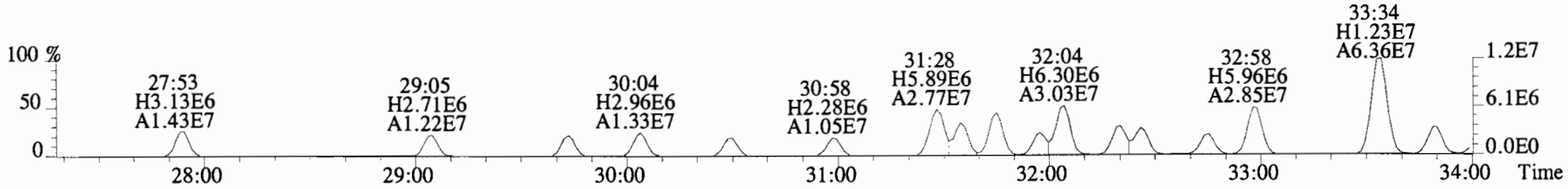

330.9792 S:2 F:3



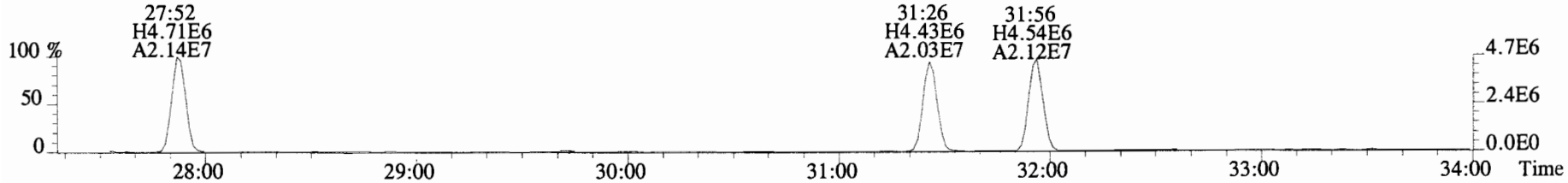
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6752.0,0.00%,F,F)



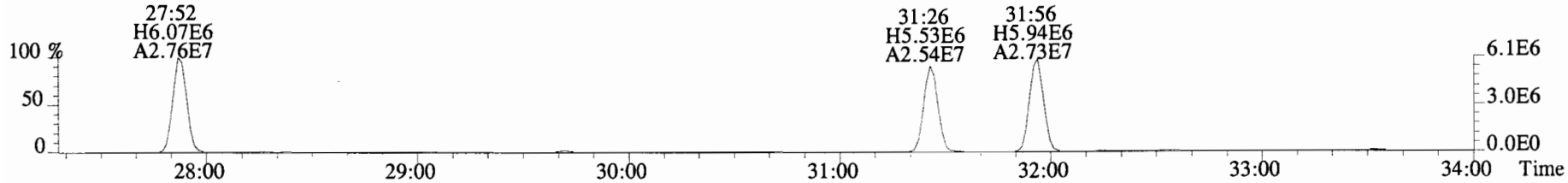

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14460.0,0.00%,F,F)



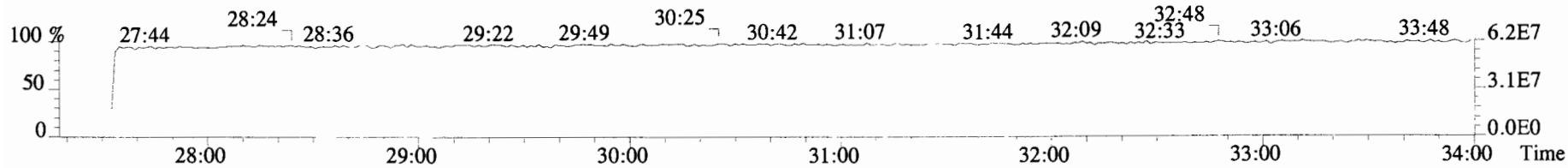

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24588.0,0.00%,F,F)



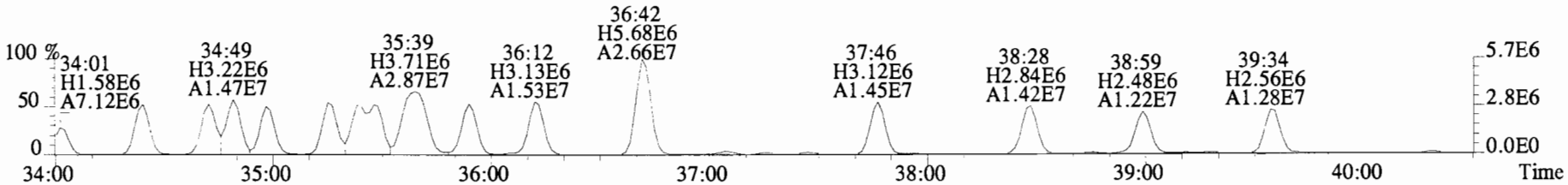

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17352.0,0.00%,F,F)



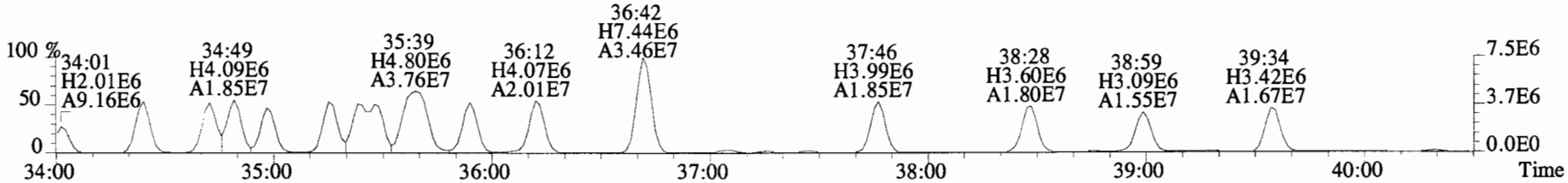

330.9792 S:2 F:3



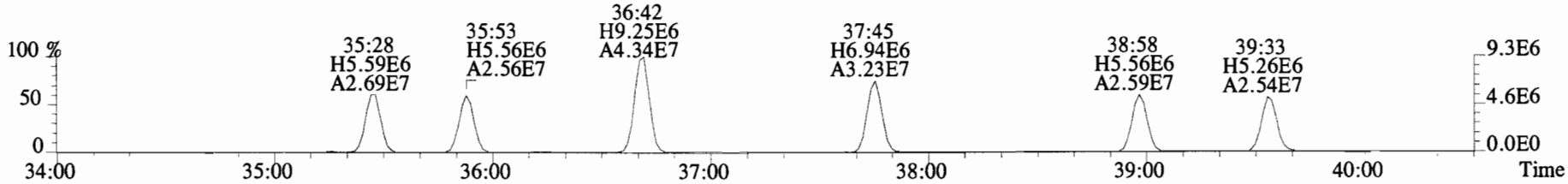
File:180409E1 #1-75b Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6752.0,0.00%,F,F)



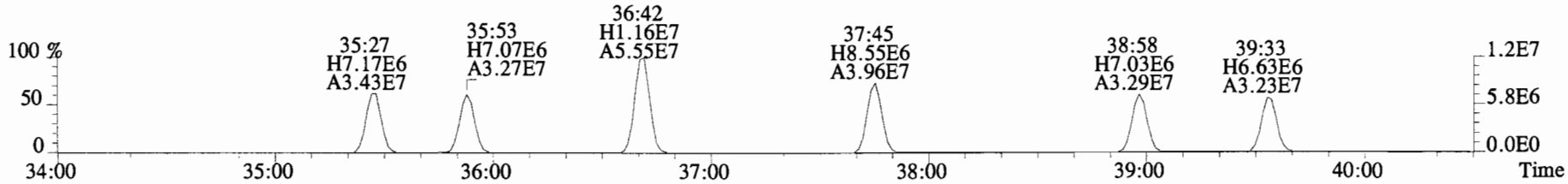

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14460.0,0.00%,F,F)



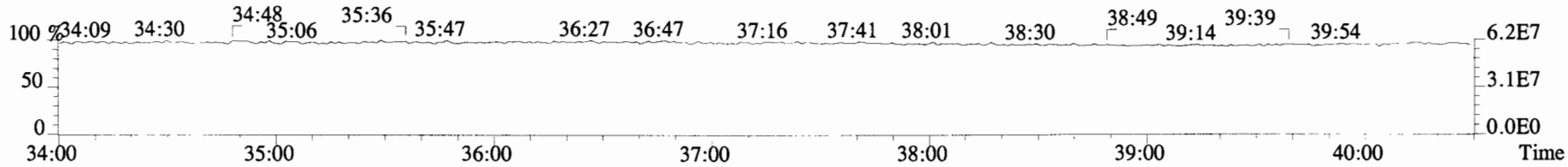

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24588.0,0.00%,F,F)



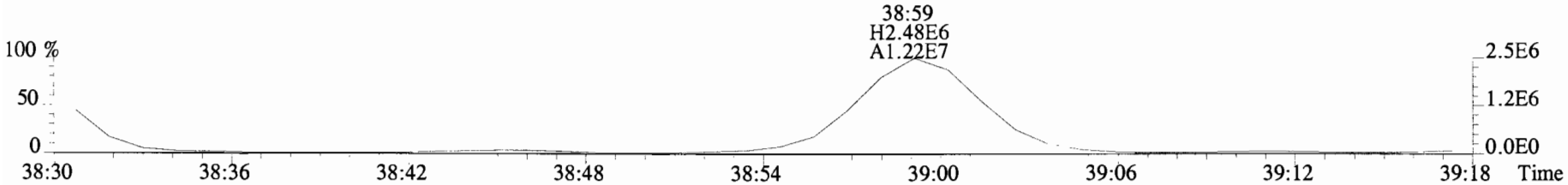

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17352.0,0.00%,F,F)



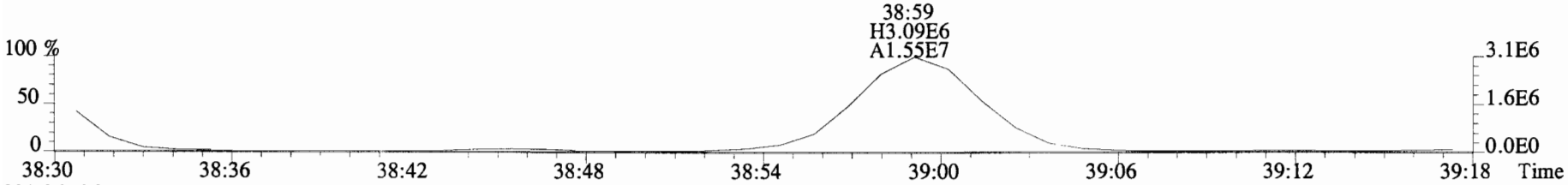

330.9792 S:2 F:3



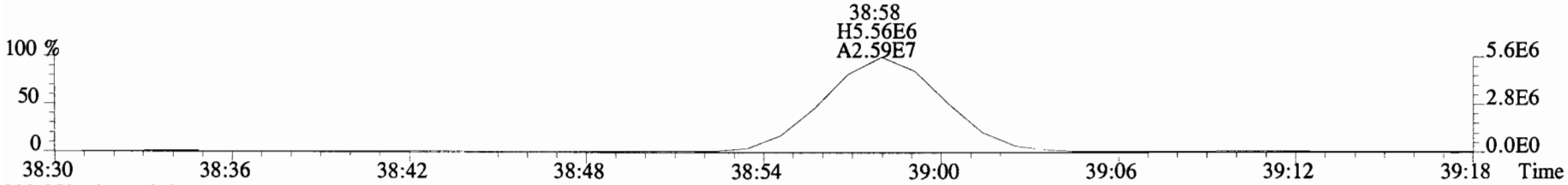
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6752.0,0.00%,F,F)



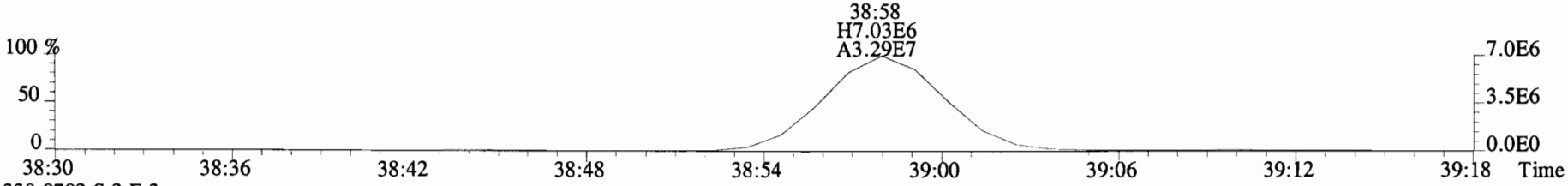

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14460.0,0.00%,F,F)



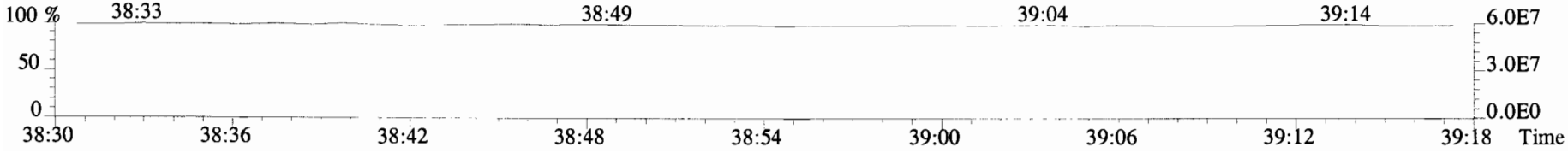

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24588.0,0.00%,F,F)



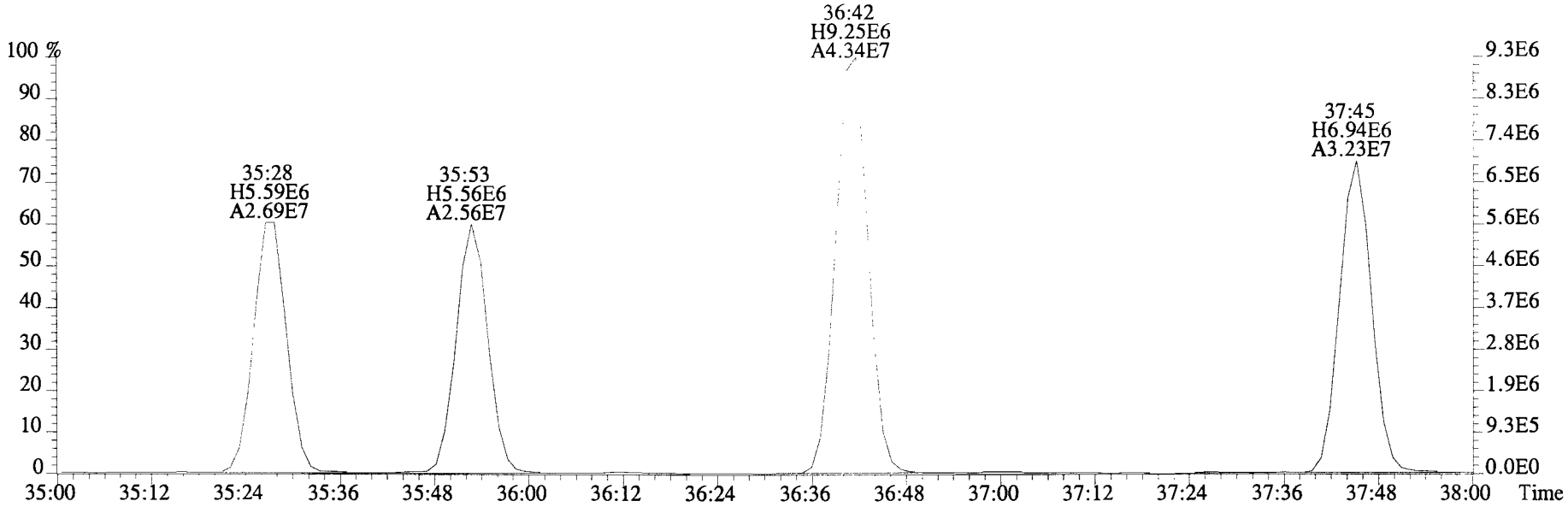

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17352.0,0.00%,F,F)



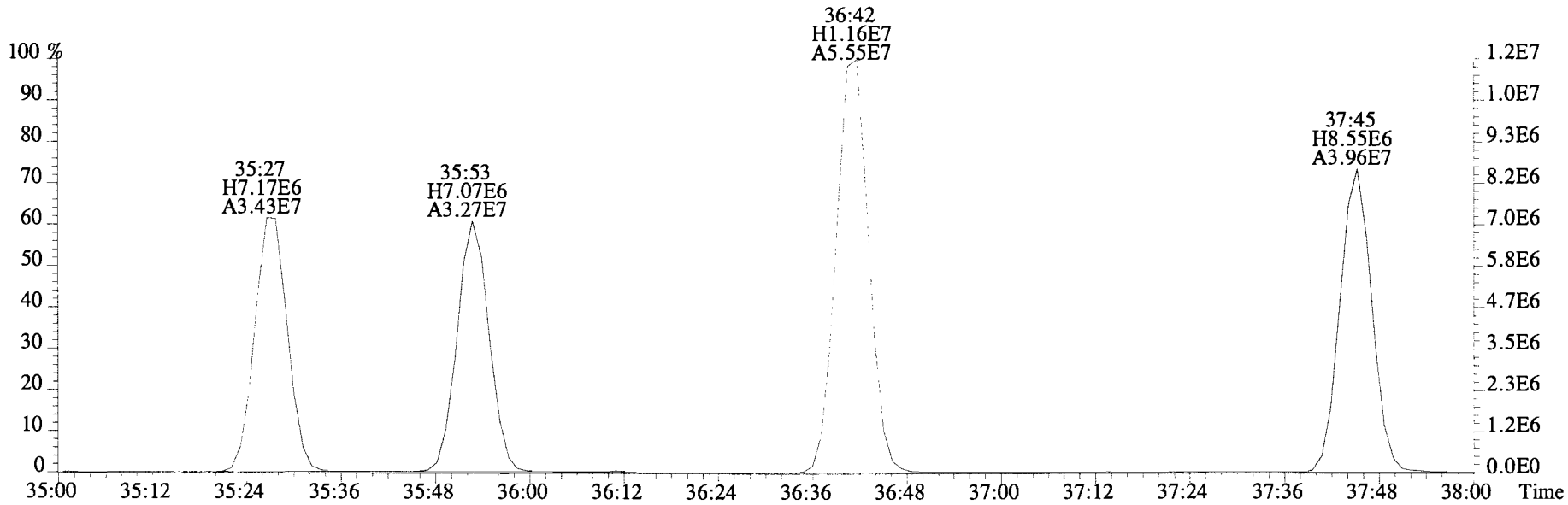

330.9792 S:2 F:3



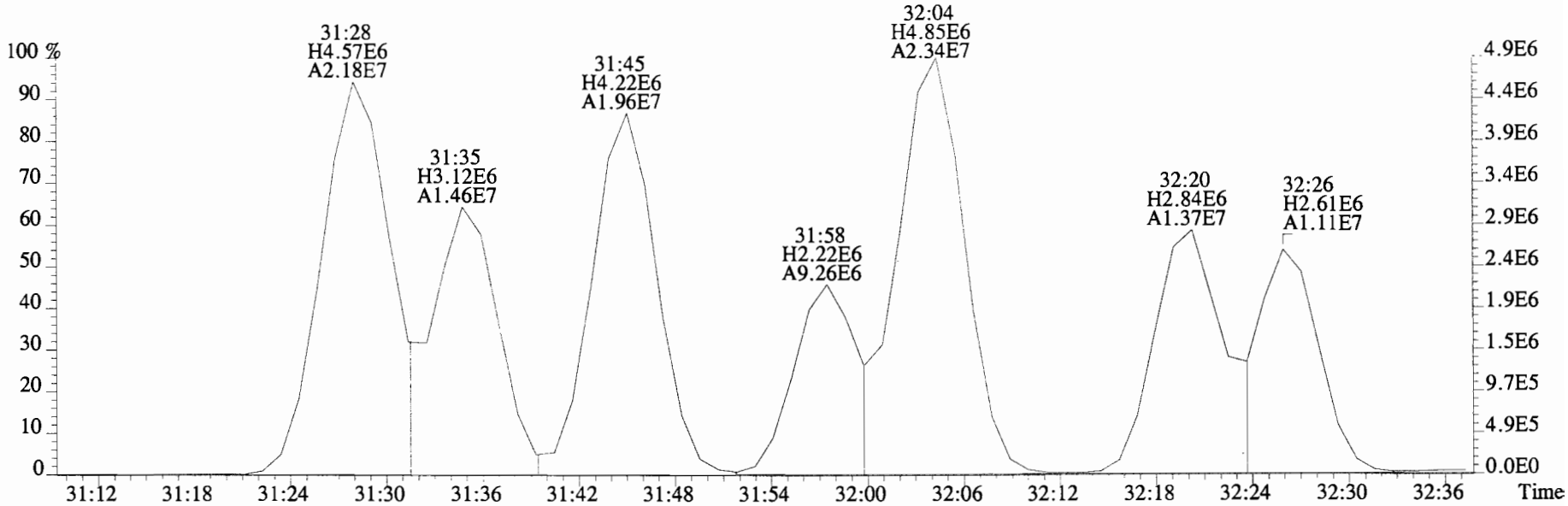
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24588.0,0.00%,F,F)



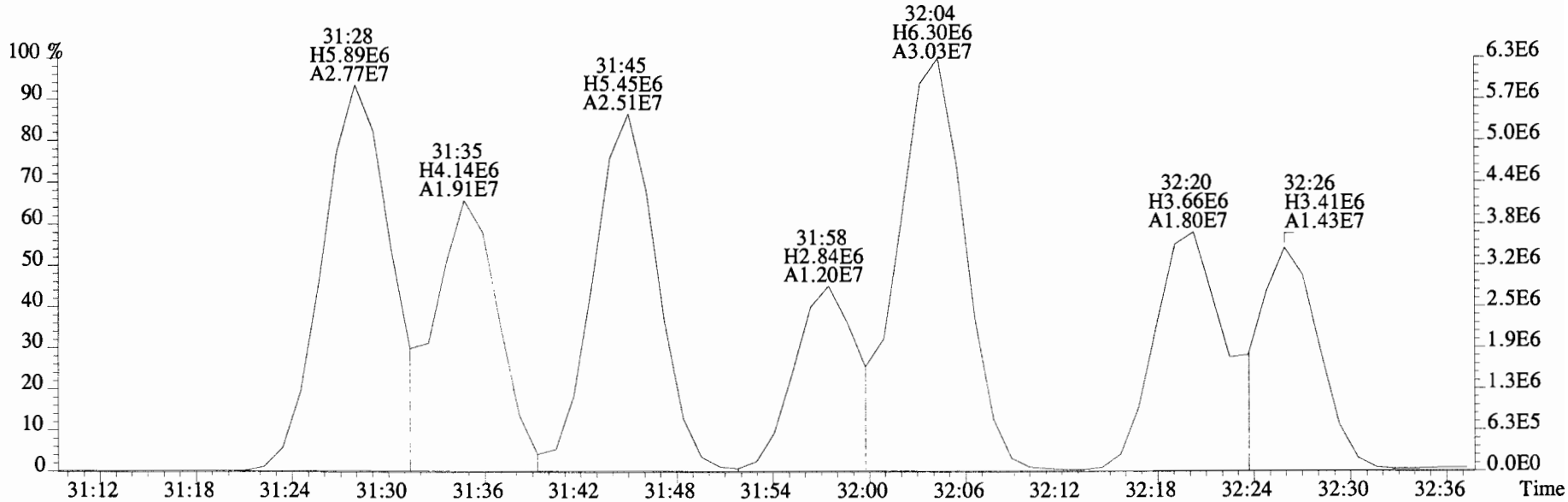

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17352.0,0.00%,F,F)



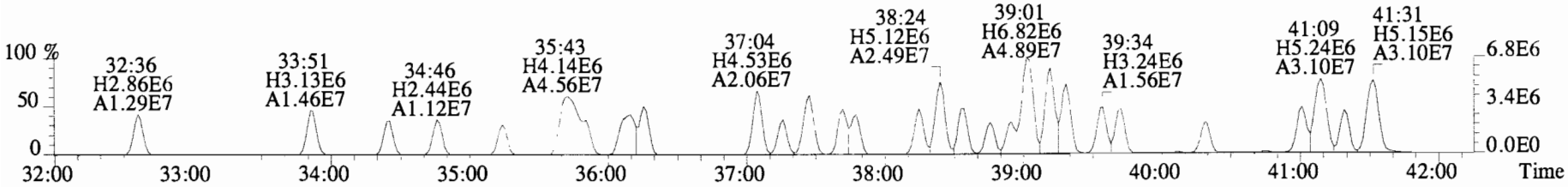
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6752.0,0.00%,F,F)



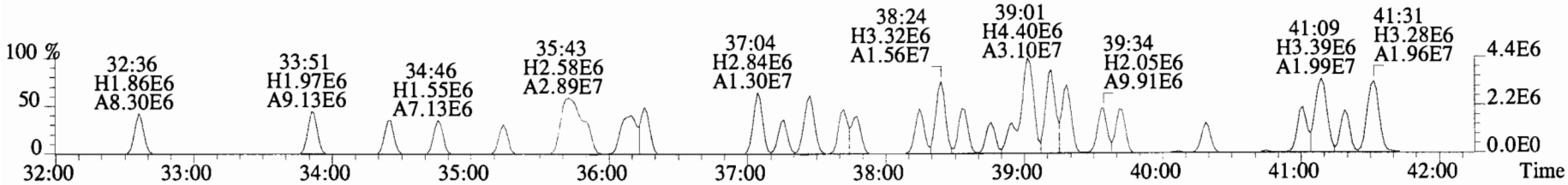

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14460.0,0.00%,F,F)



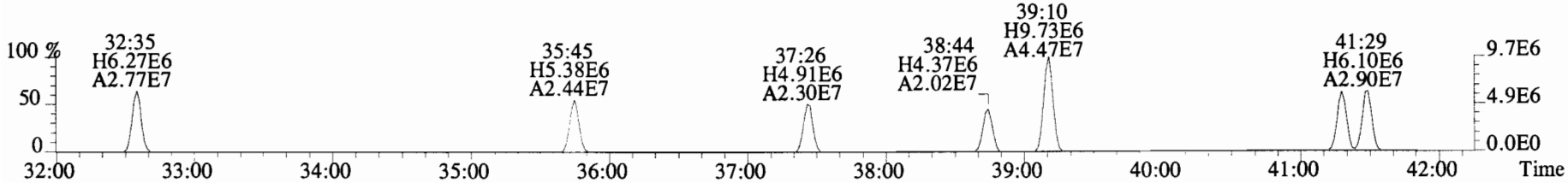
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



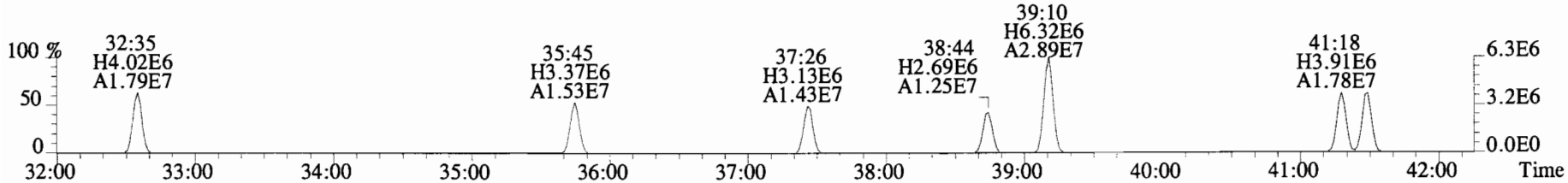

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2180.0,0.00%,F,F)



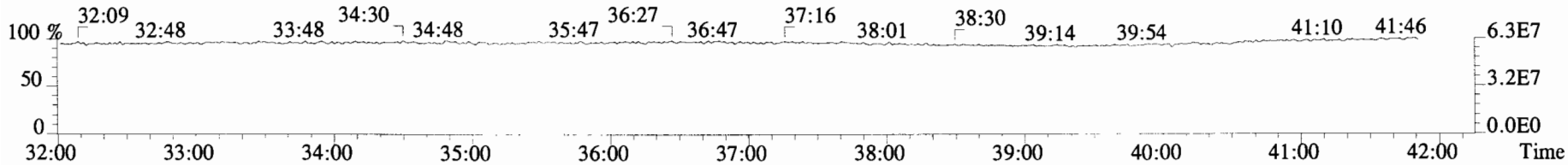

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3840.0,0.00%,F,F)



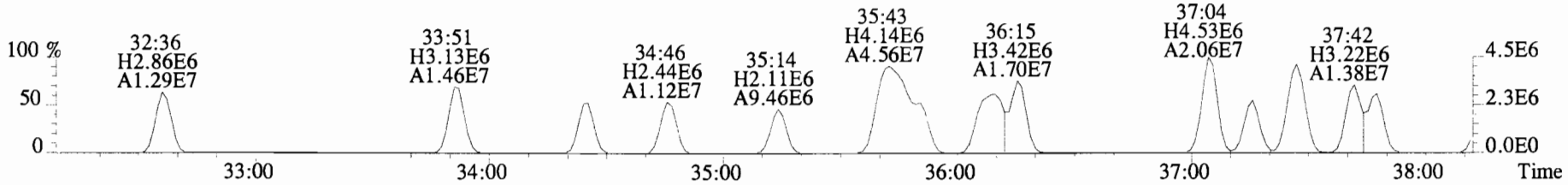

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2980.0,0.00%,F,F)



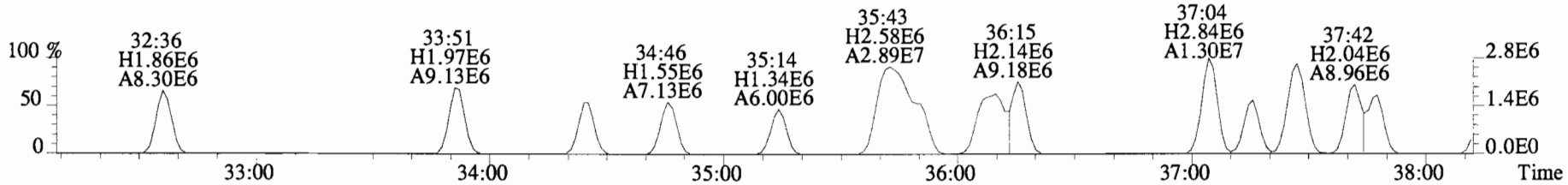

330.9792 S:2 F:3



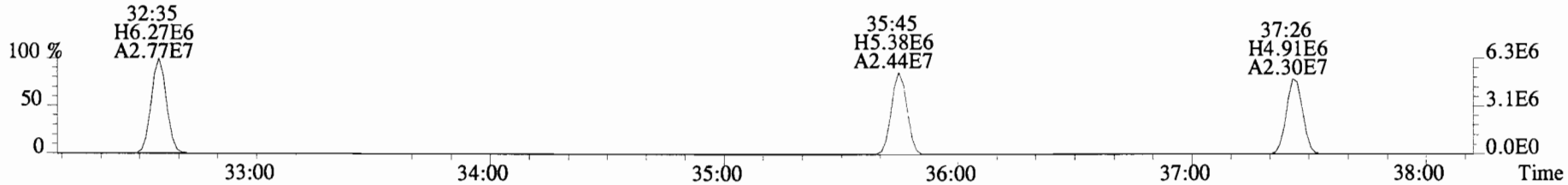
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



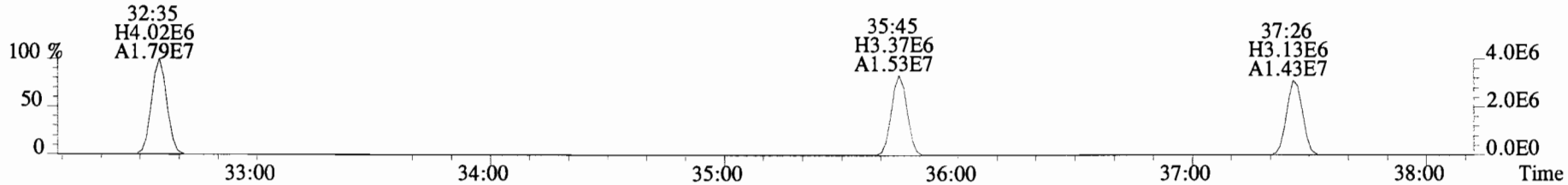

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2180.0,0.00%,F,F)



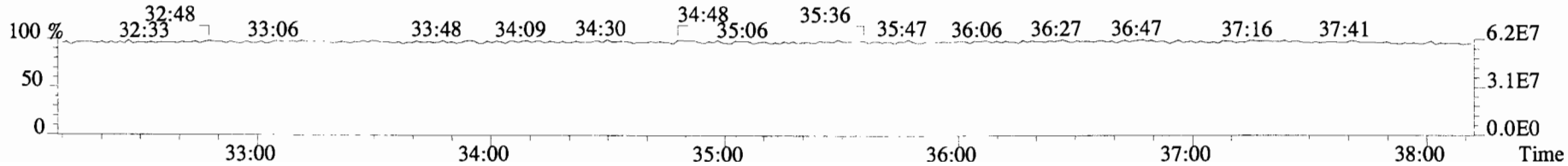

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3840.0,0.00%,F,F)



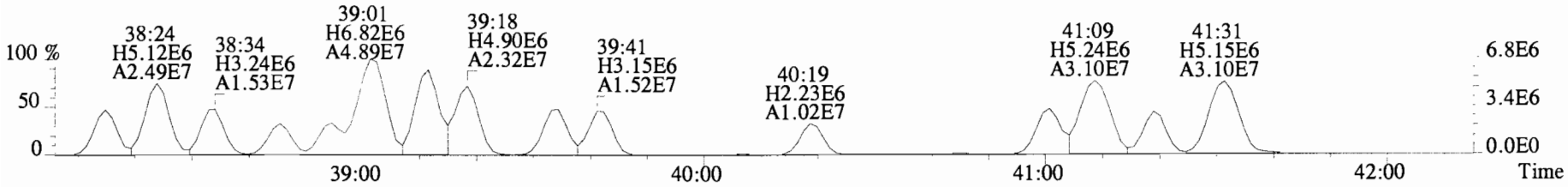

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2980.0,0.00%,F,F)



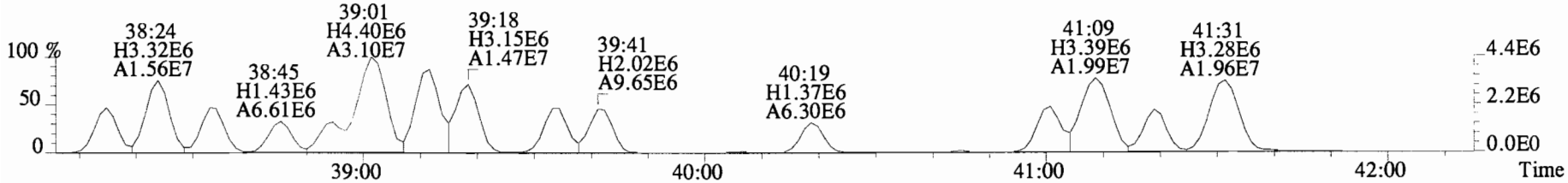

330.9792 S:2 F:3



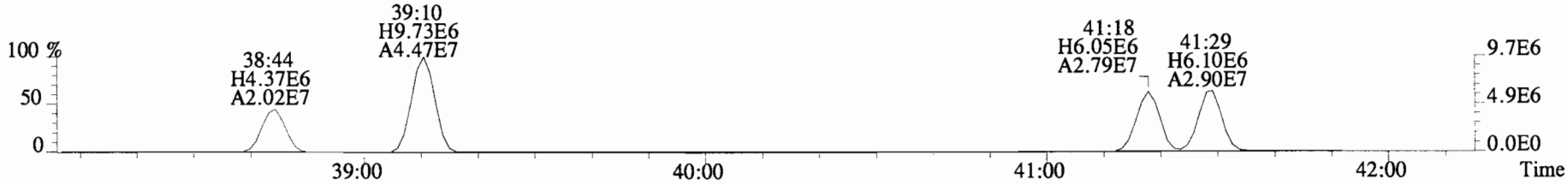
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



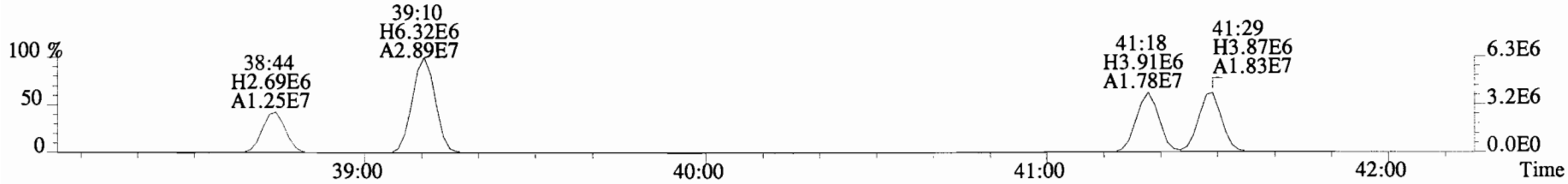

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2180.0,0.00%,F,F)



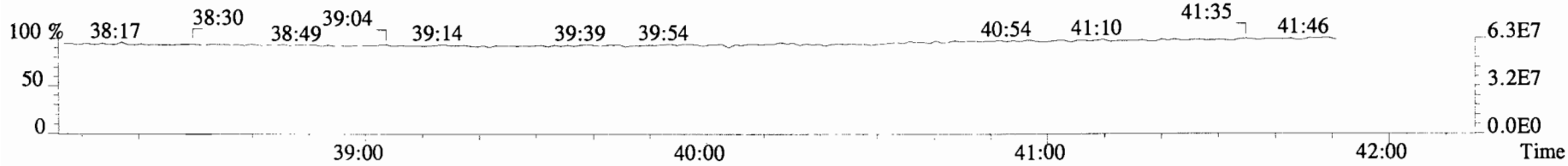

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3840.0,0.00%,F,F)



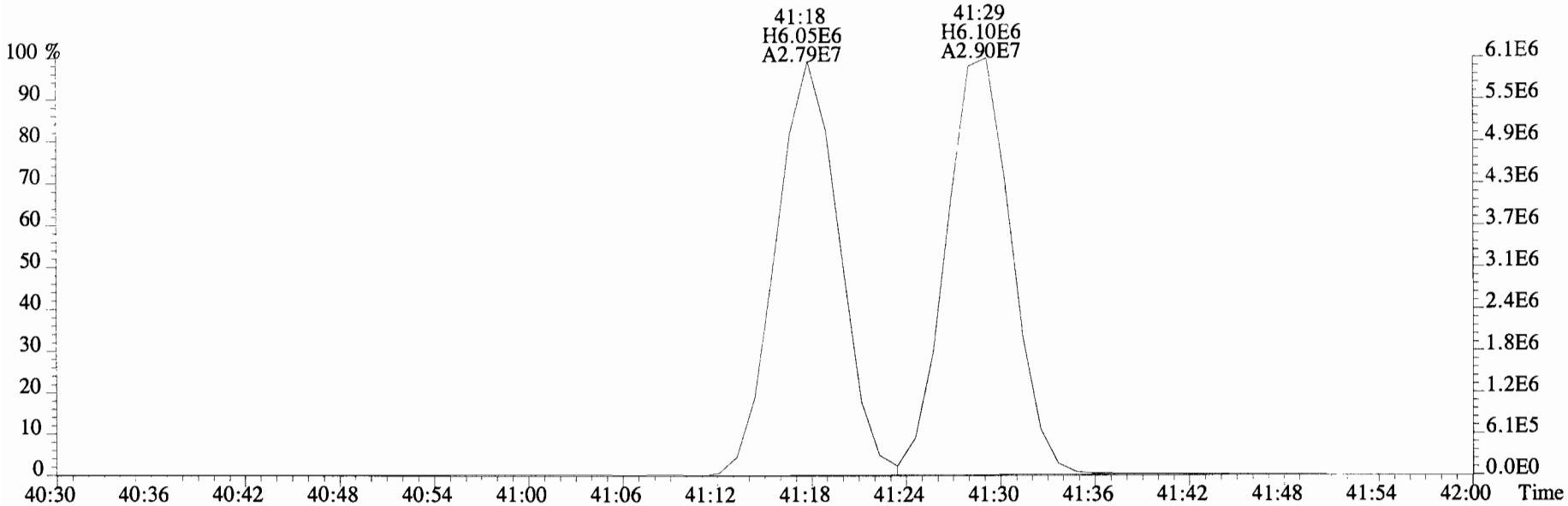

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2980.0,0.00%,F,F)



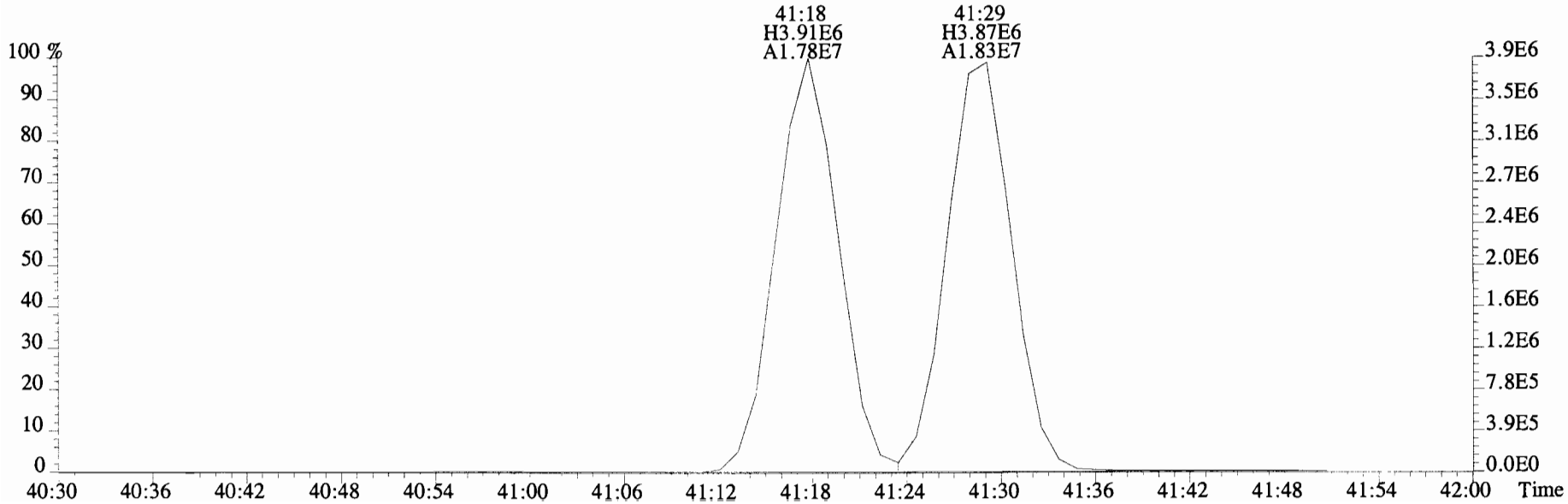

330.9792 S:2 F:3



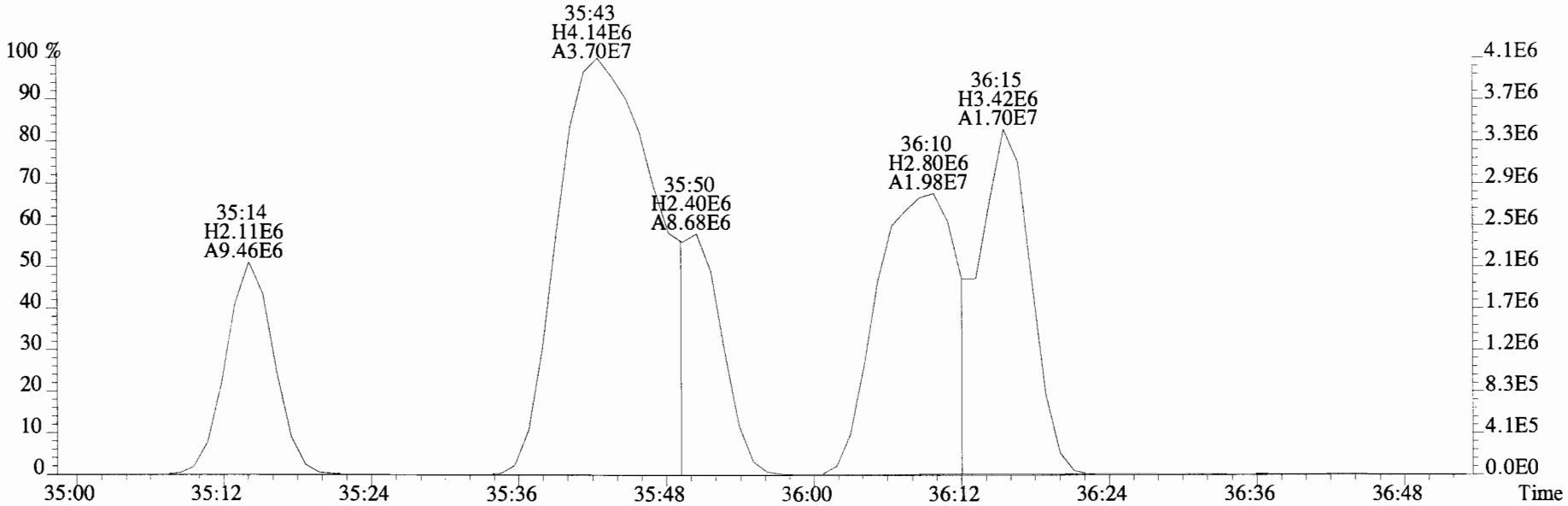
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3840.0,0.00%,F,F)



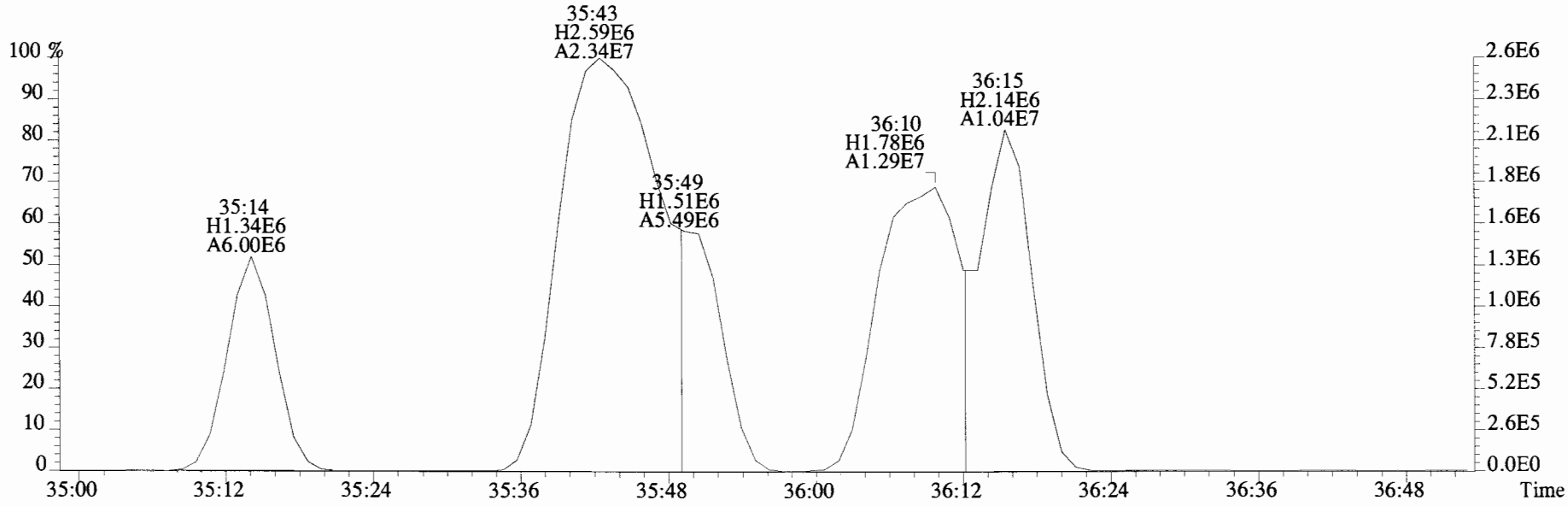

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2980.0,0.00%,F,F)



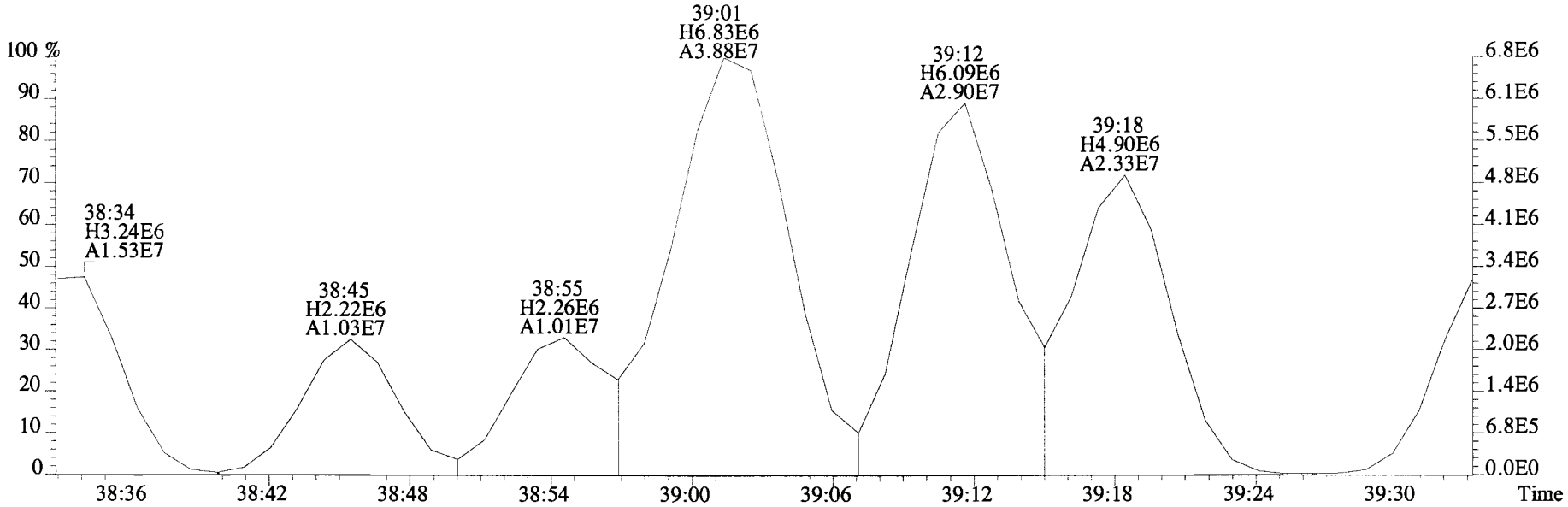
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0)



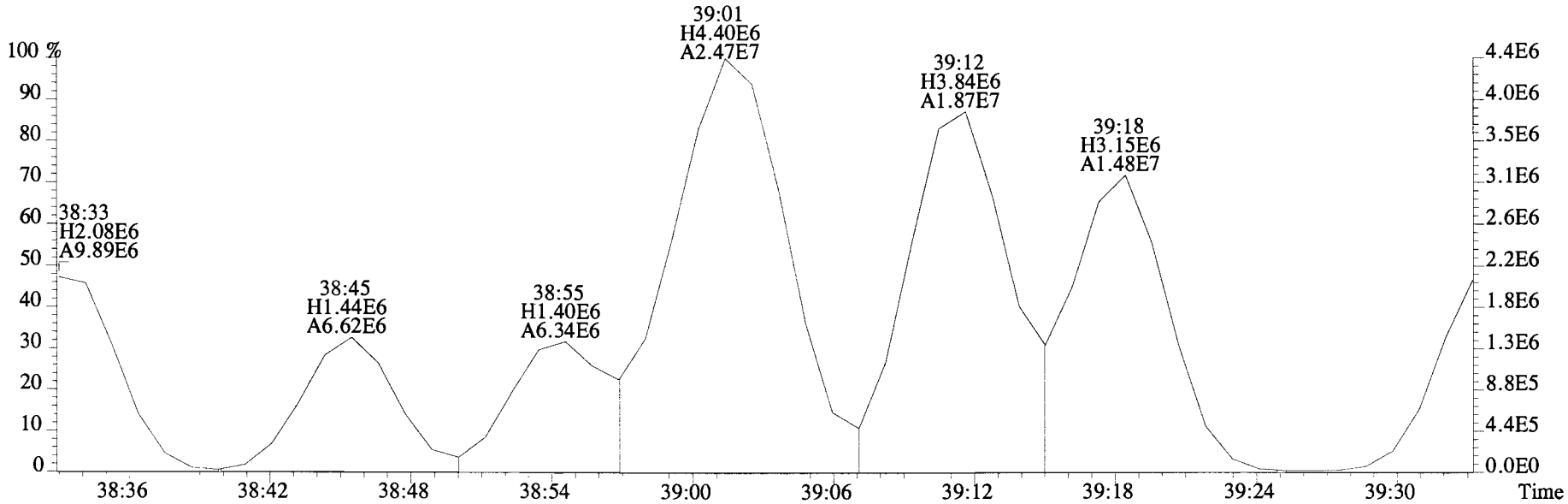

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0)



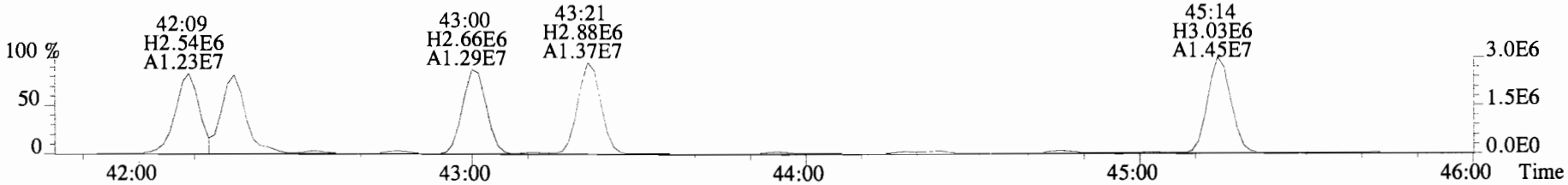
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



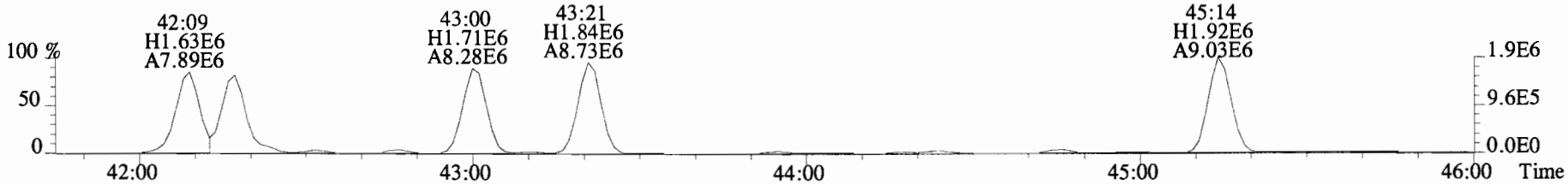

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2180.0,0.00%,F,F)



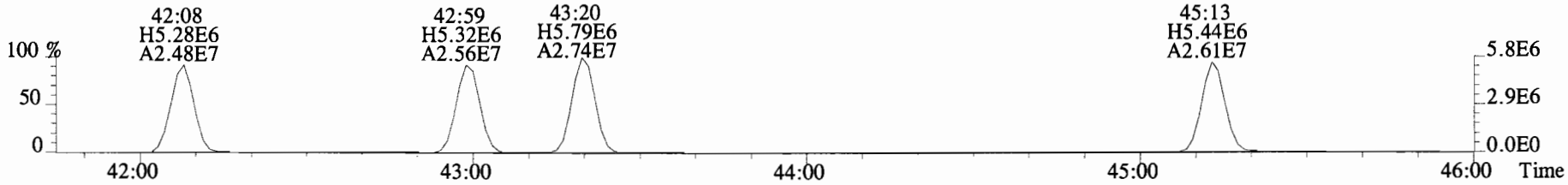
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
325.8804 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3912.0,0.00%,F,F)



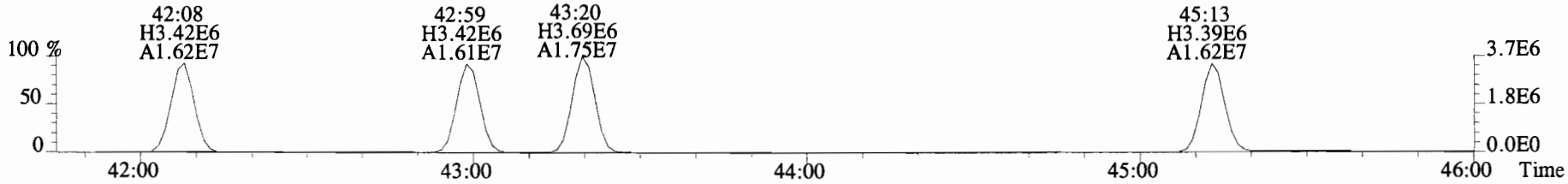

327.8775 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3396.0,0.00%,F,F)



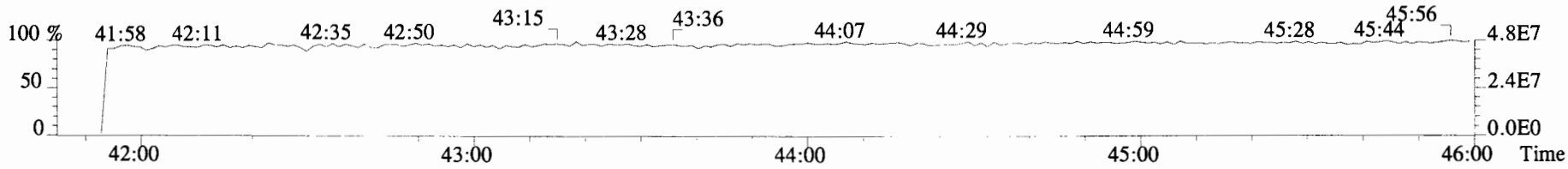

337.9207 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4732.0,0.00%,F,F)



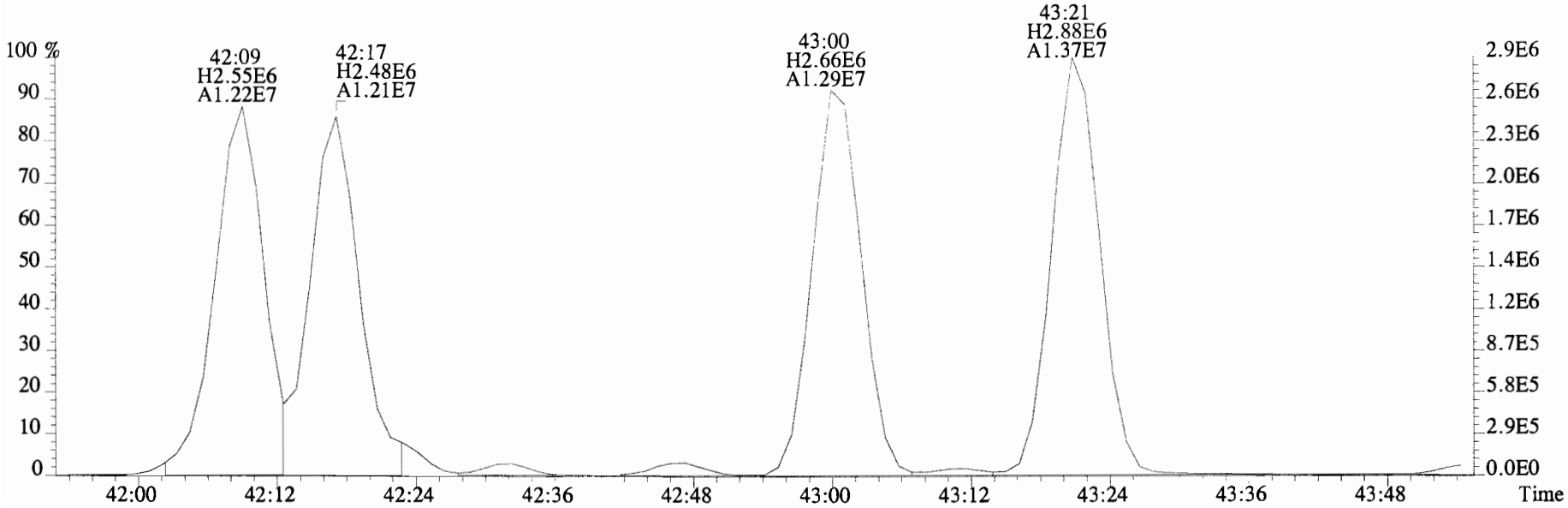

339.9177 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3696.0,0.00%,F,F)



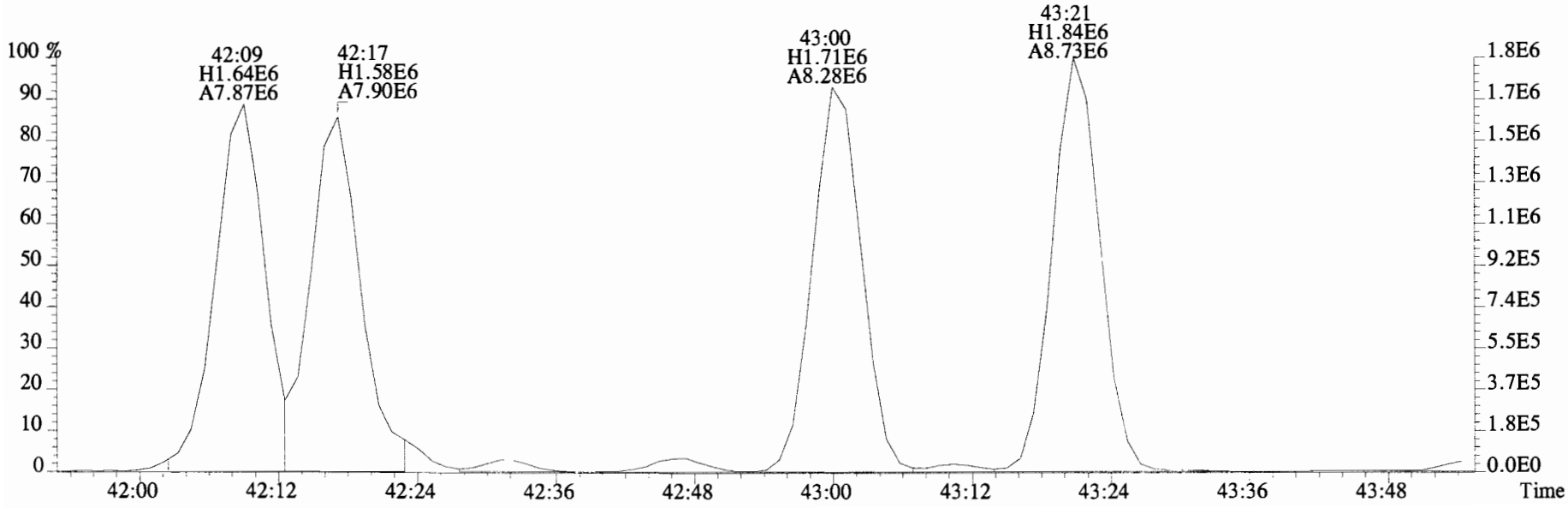

380.9760 S:2 F:4



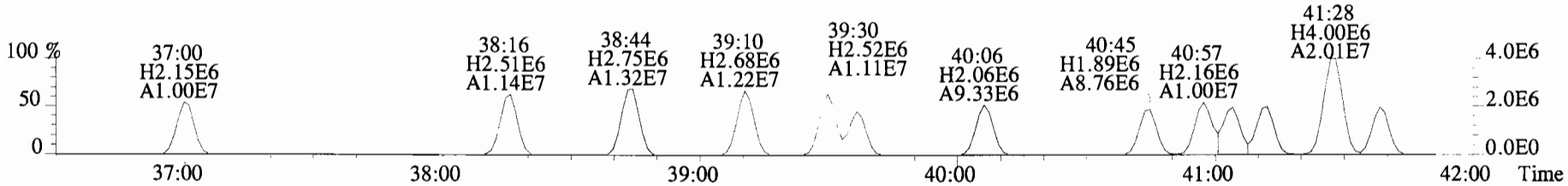
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
325.8804 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3912.0,0.00%,F,F)



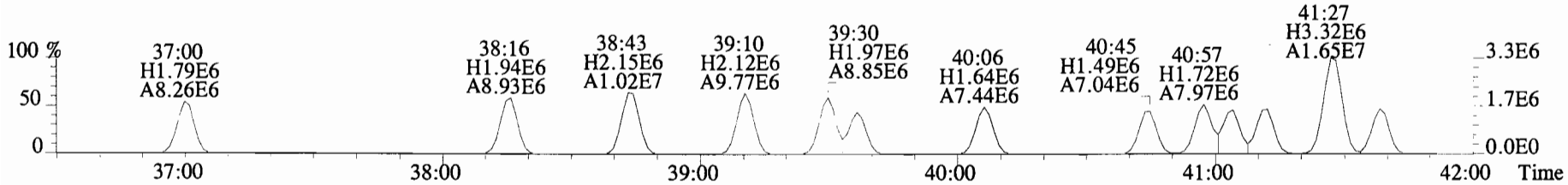

327.8775 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3396.0,0.00%,F,F)



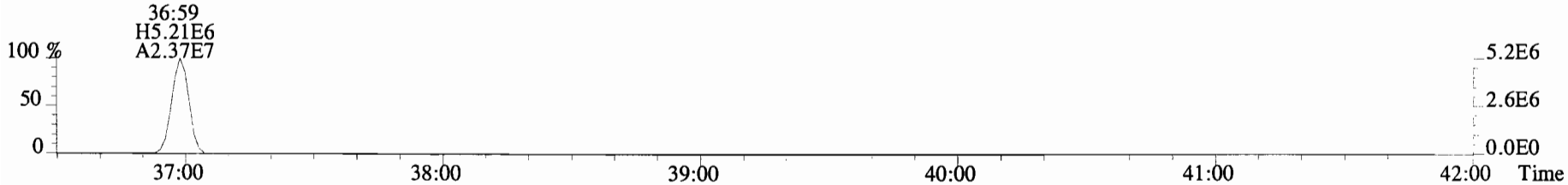
File:180409E1 #1-756 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
359.8415 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1760.0,0.00%,F,F)



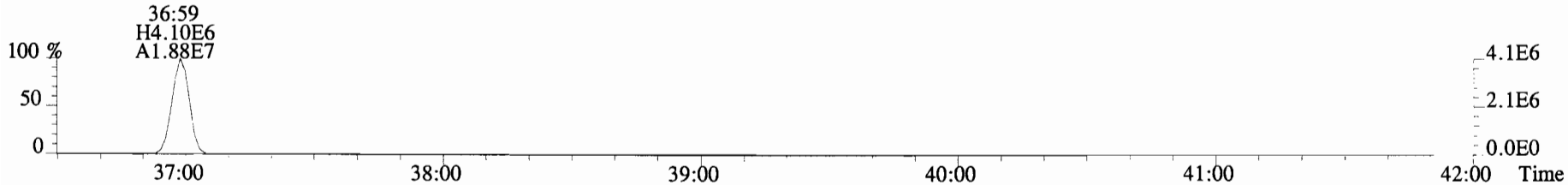

361.8385 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2040.0,0.00%,F,F)



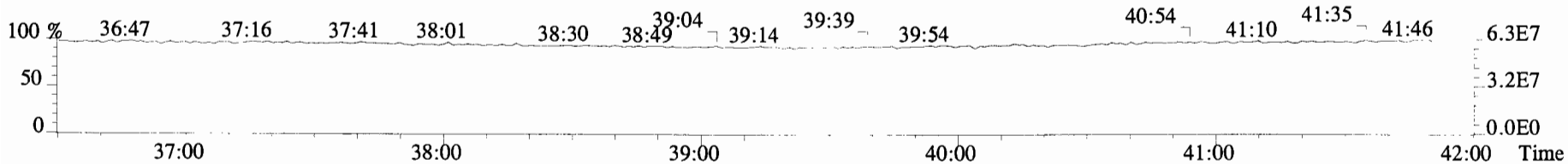

371.8817 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2228.0,0.00%,F,F)



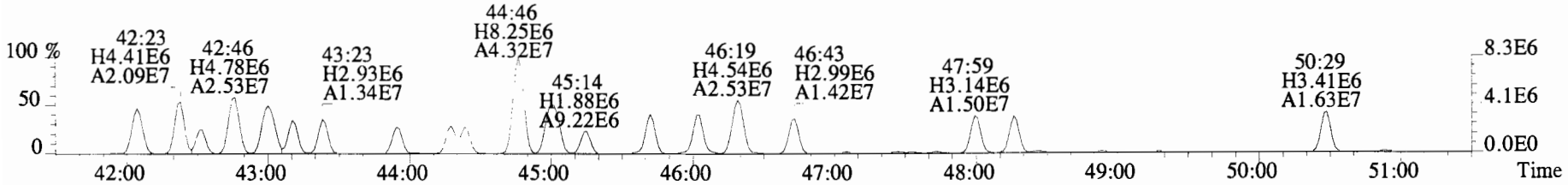

373.8788 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2412.0,0.00%,F,F)



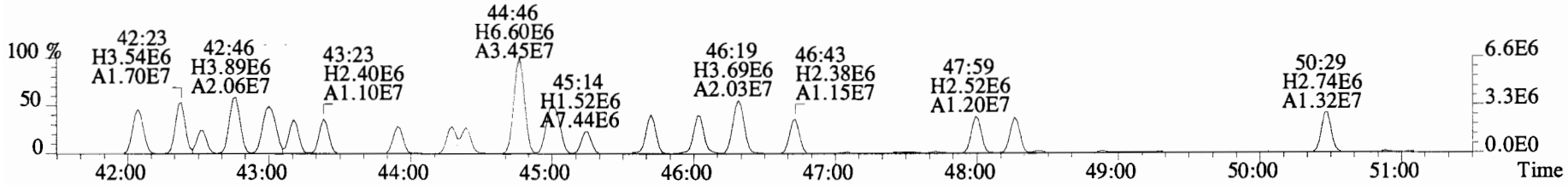

330.9792 S:2 F:3



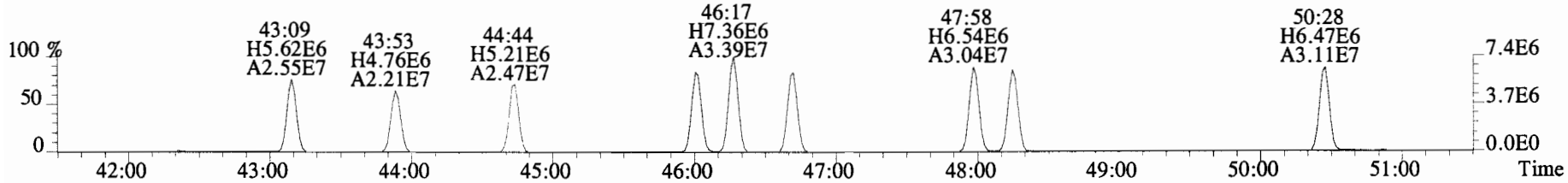
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
359.8415 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14256.0,0.00%,F,F)



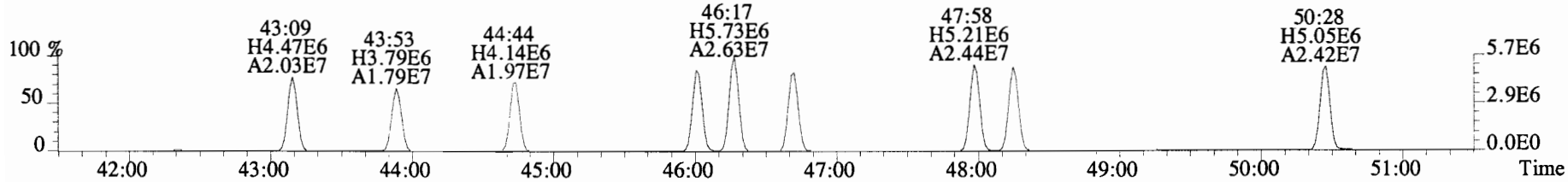

361.8385 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8636.0,0.00%,F,F)



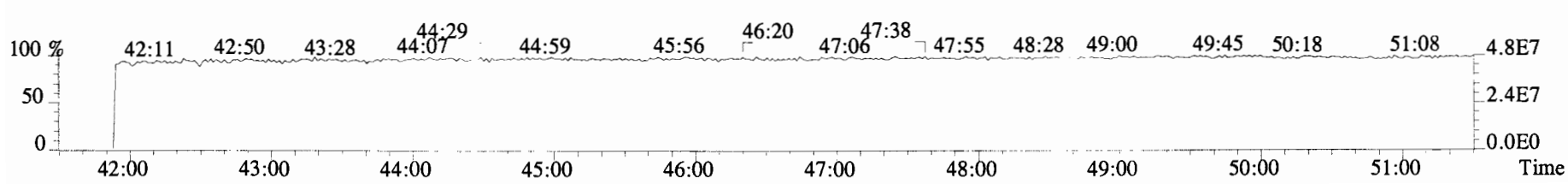

371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5988.0,0.00%,F,F)



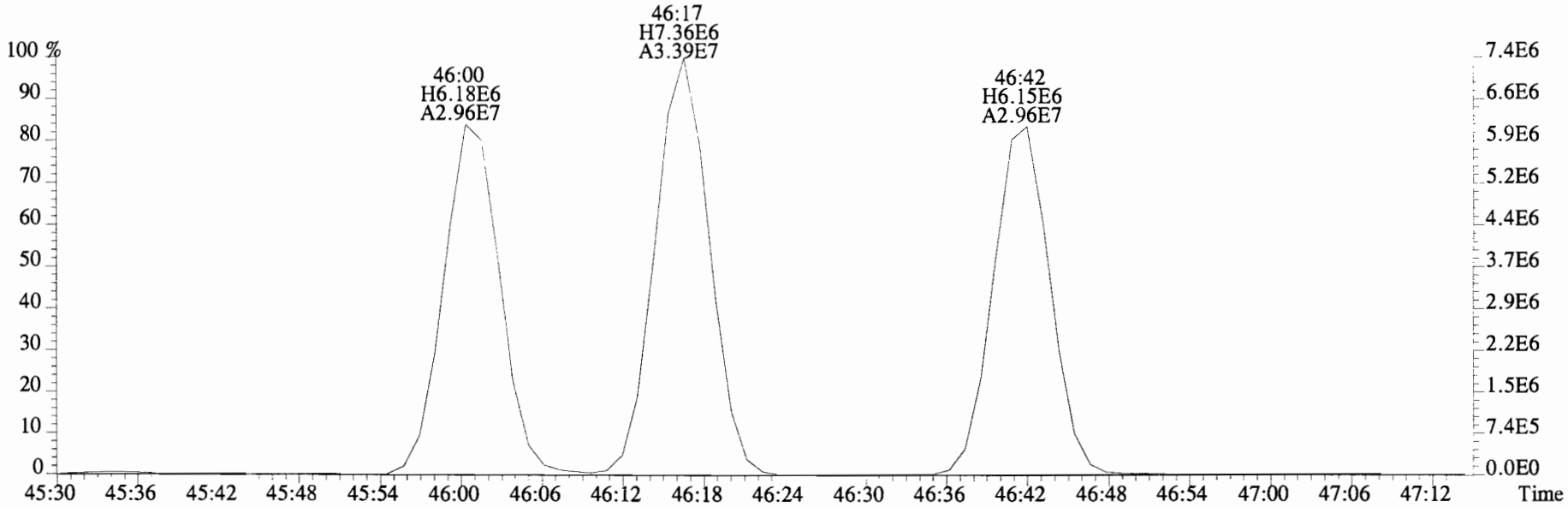

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4228.0,0.00%,F,F)



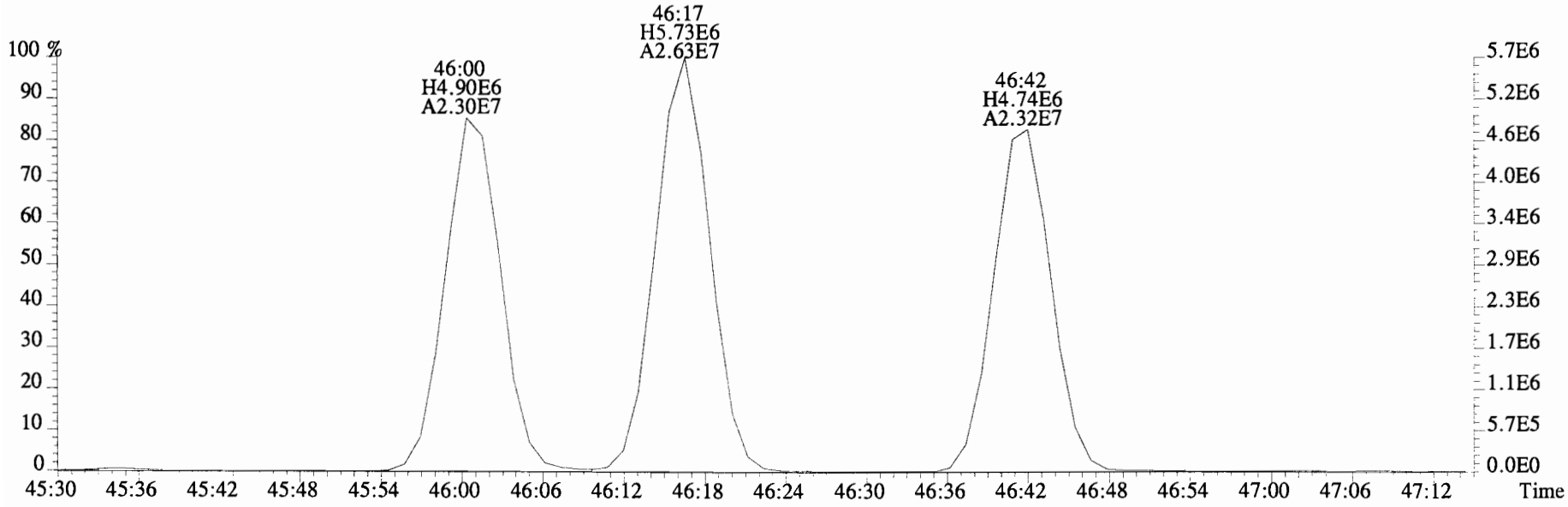

380.9760 S:2 F:4



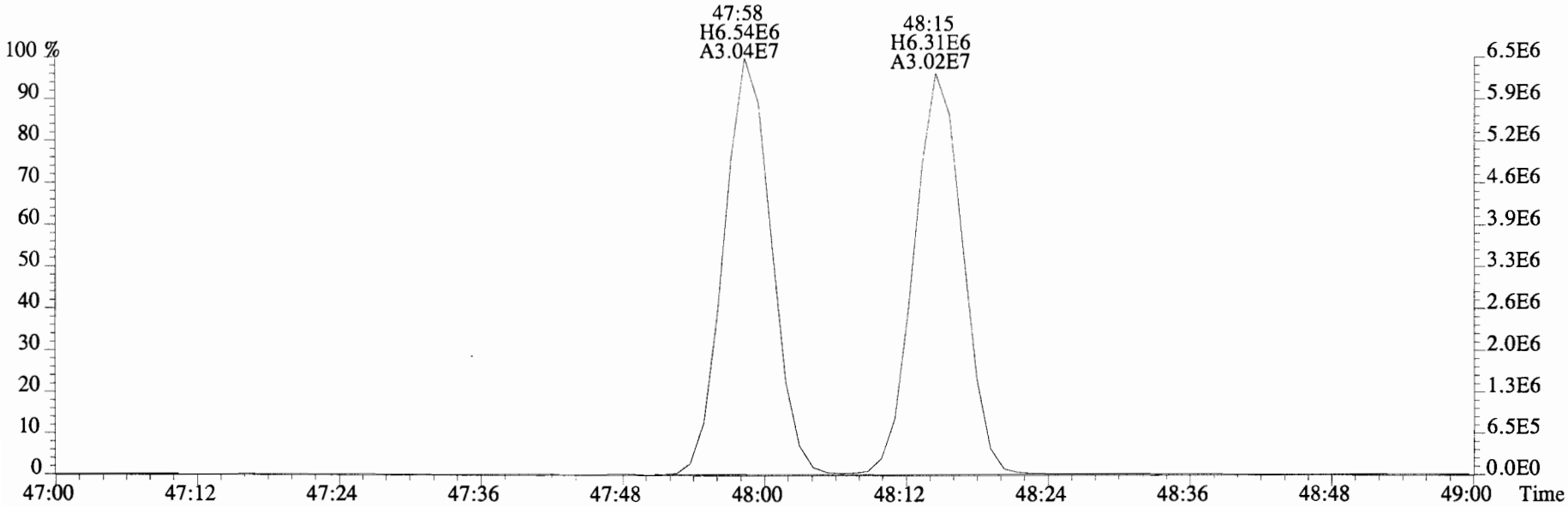
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5988.0,0.00%,F,F)



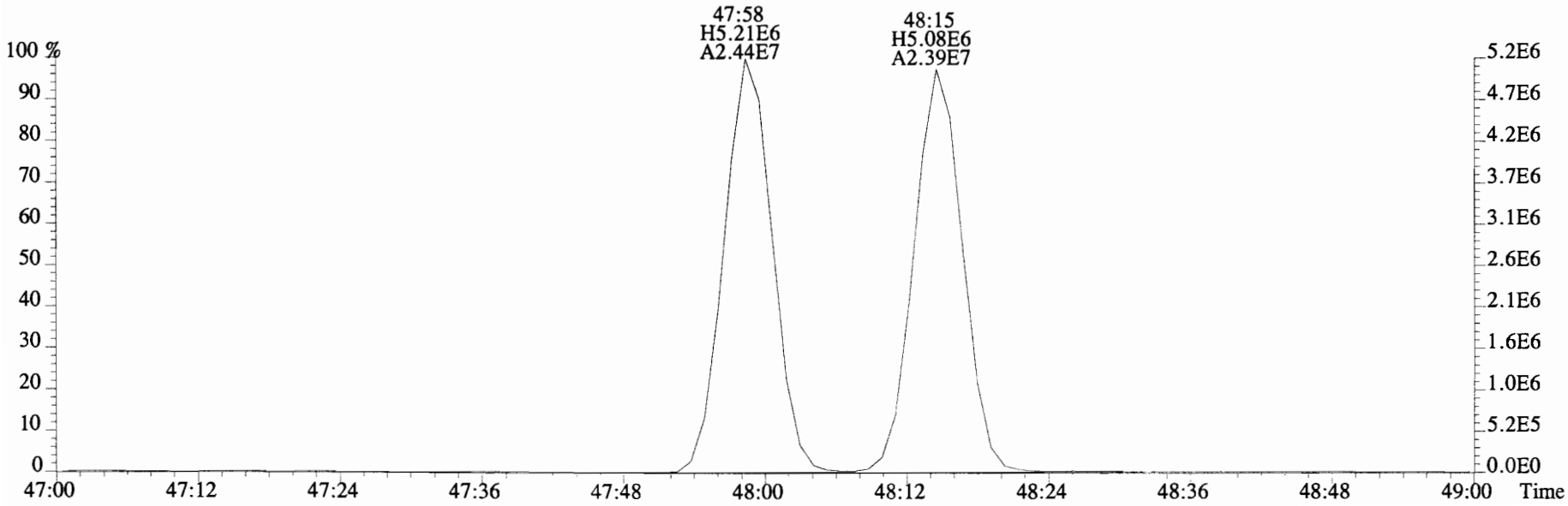

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4228.0,0.00%,F,F)



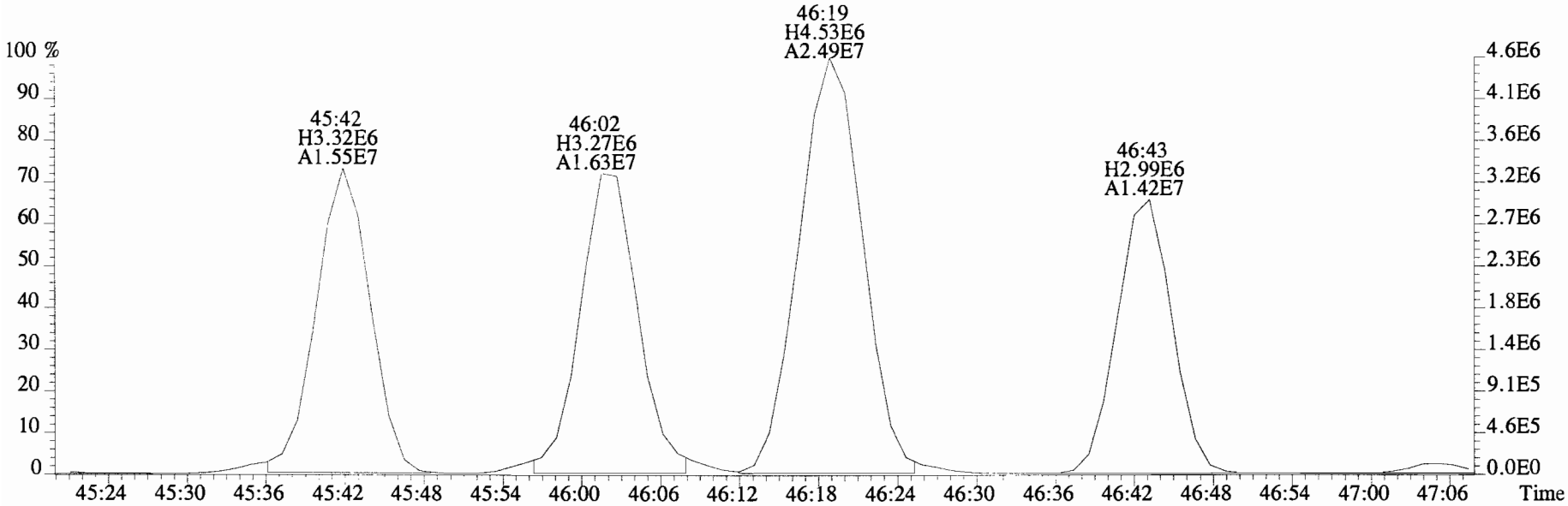
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5988.0,0.00%,F,F)



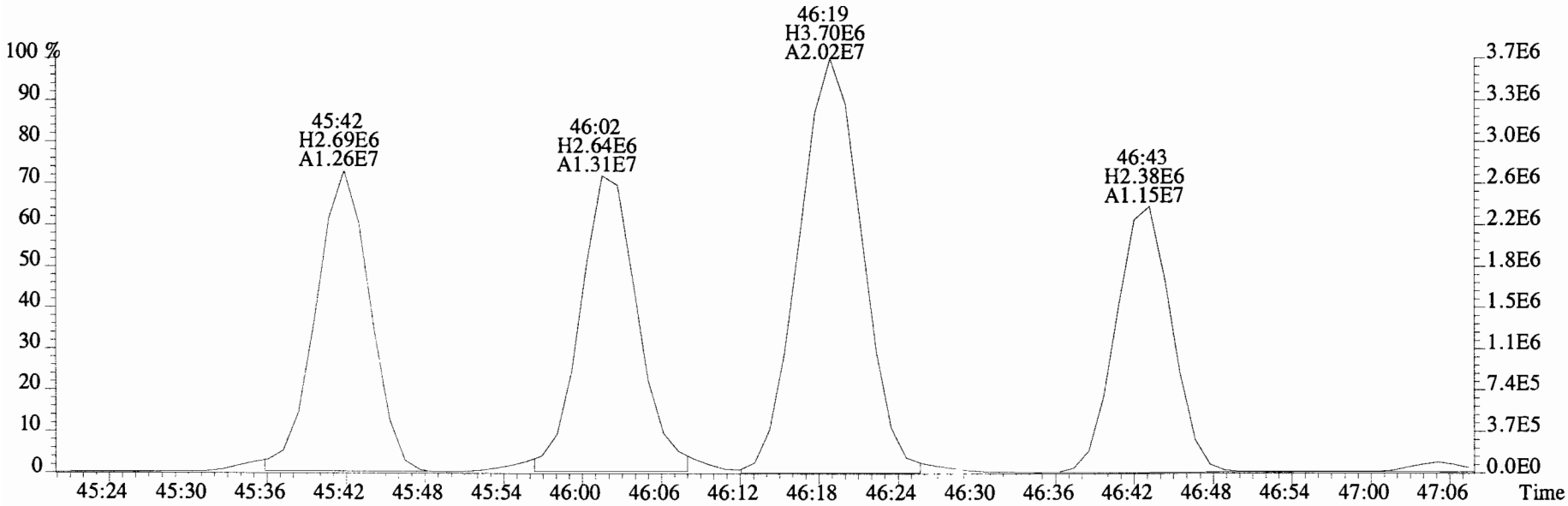

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4228.0,0.00%,F,F)



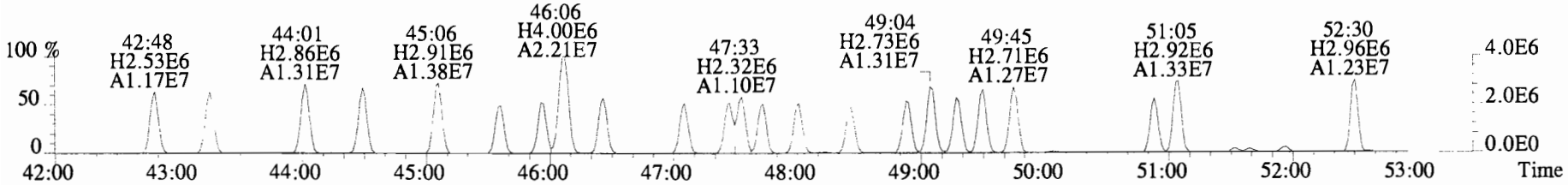
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
359.8415 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14256.0,0.00%,F,F)



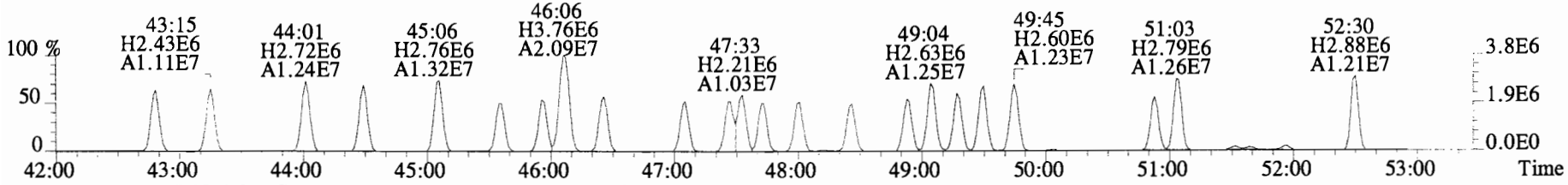

361.8385 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8636.0,0.00%,F,F)



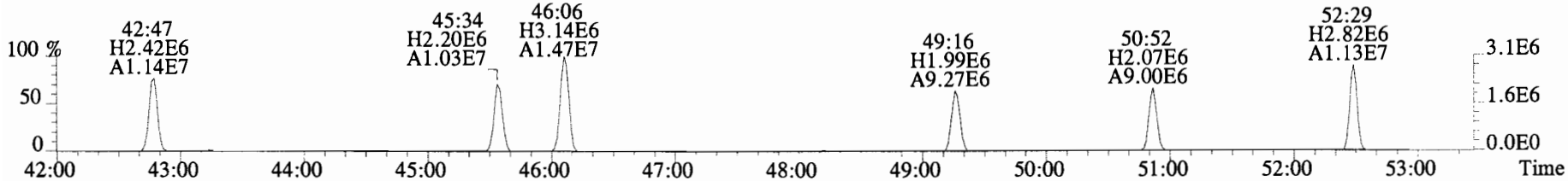
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
393.8025 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5532.0,0.00%,F,F)



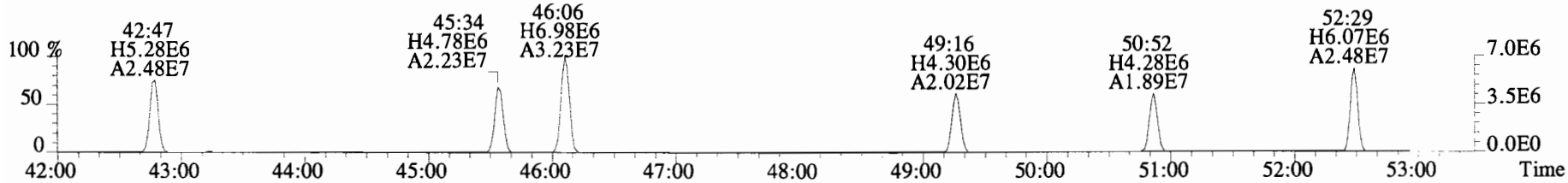

395.7995 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6392.0,0.00%,F,F)



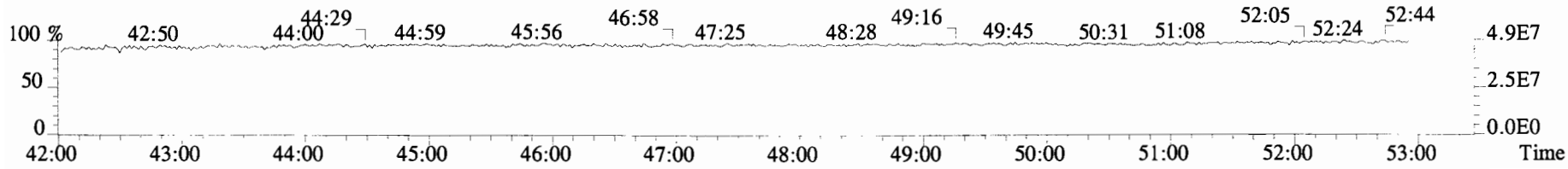

403.8457 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2780.0,0.00%,F,F)



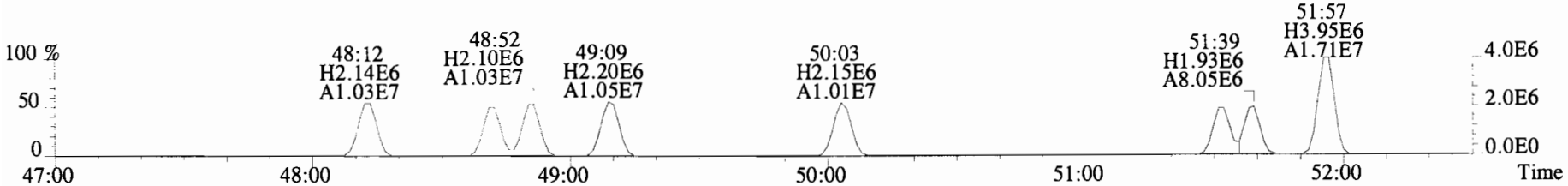

405.8428 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3864.0,0.00%,F,F)



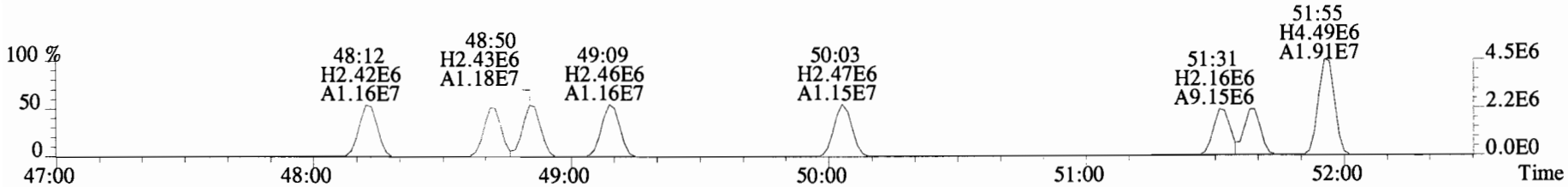

380.9760 S:2 F:4



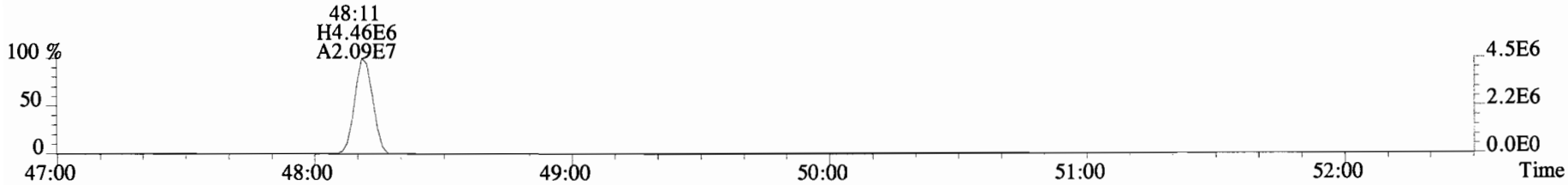
File:180409E1 #1-574 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
427.7635 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1380.0,0.00%,F,F)



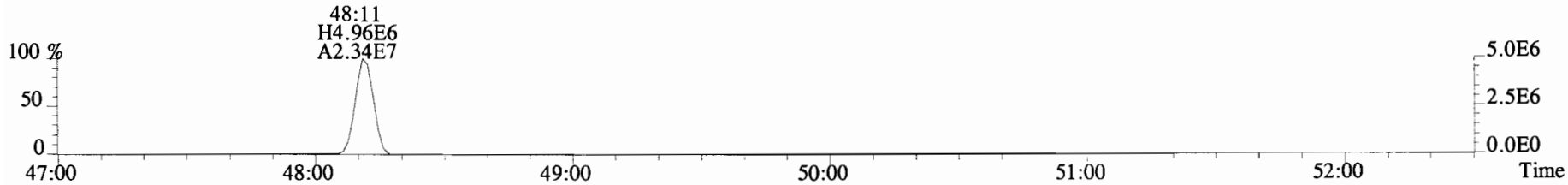

429.7606 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1700.0,0.00%,F,F)



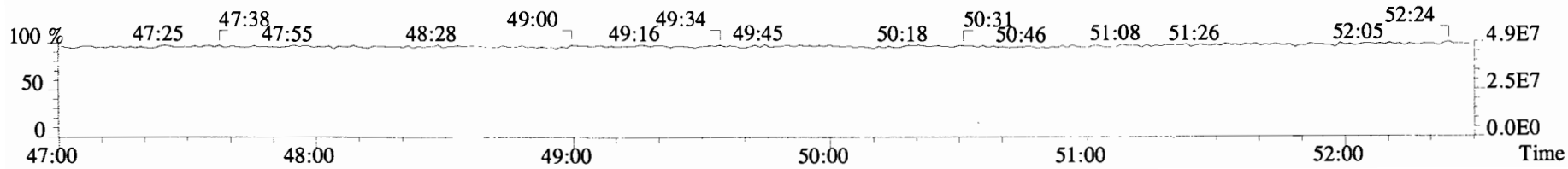

439.8038 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1836.0,0.00%,F,F)



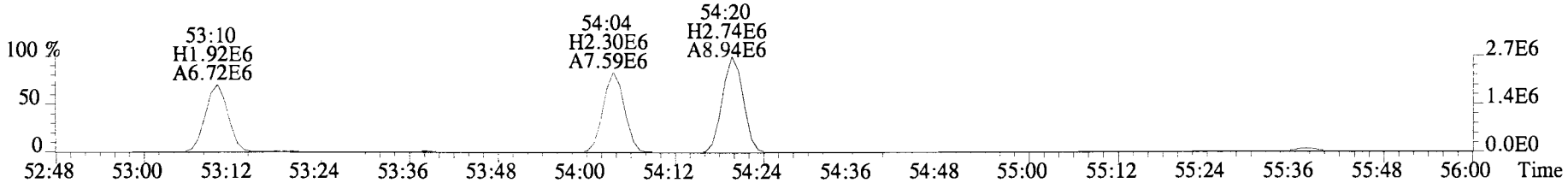

441.8008 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2140.0,0.00%,F,F)



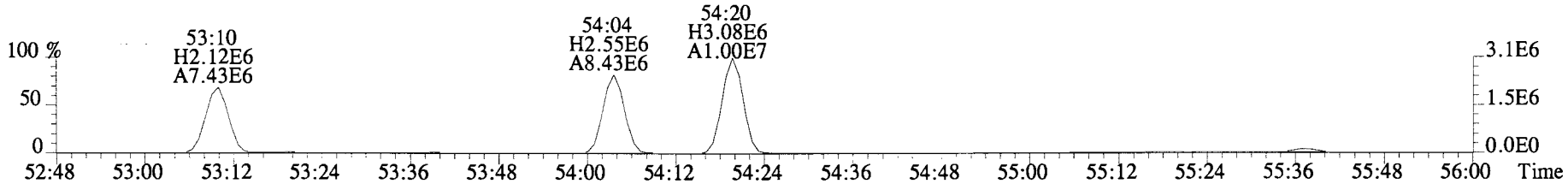

380.9760 S:2 F:4



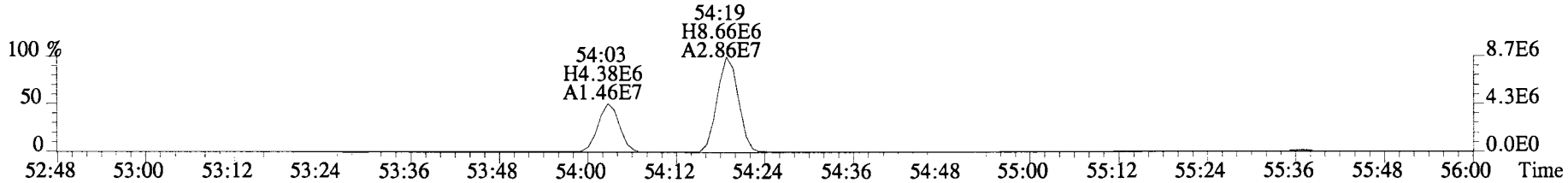
File:180409E1 #1-407 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
427.7635 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1504.0,0.00%,F,F)



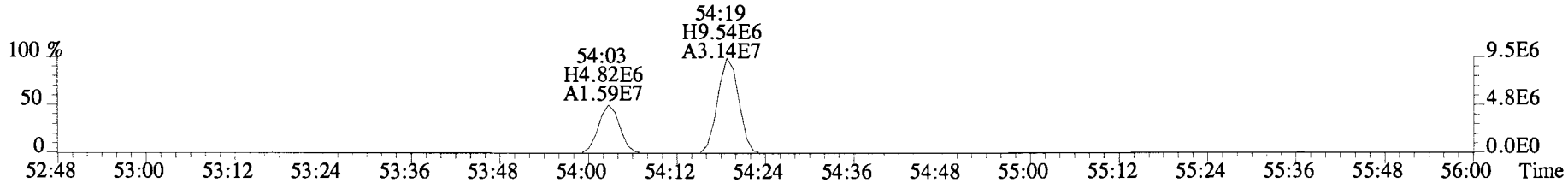

429.7606 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5572.0,0.00%,F,F)



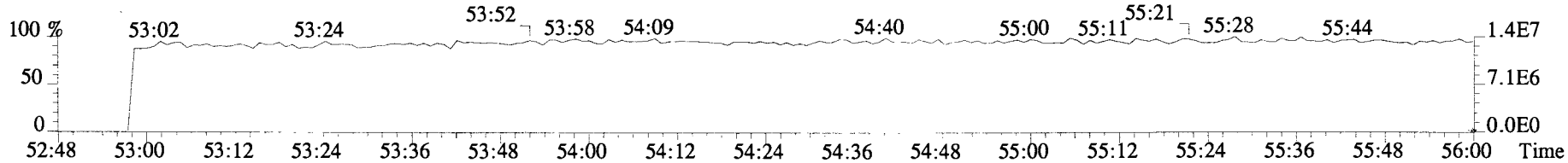

439.8038 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2160.0,0.00%,F,F)



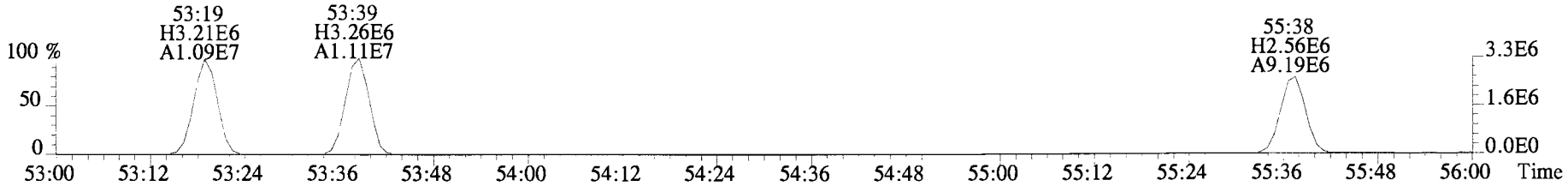

441.8008 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2456.0,0.00%,F,F)



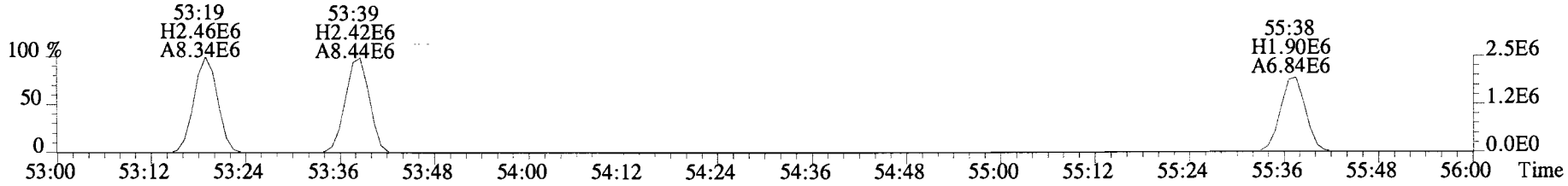

492.9697 S:2 F:5



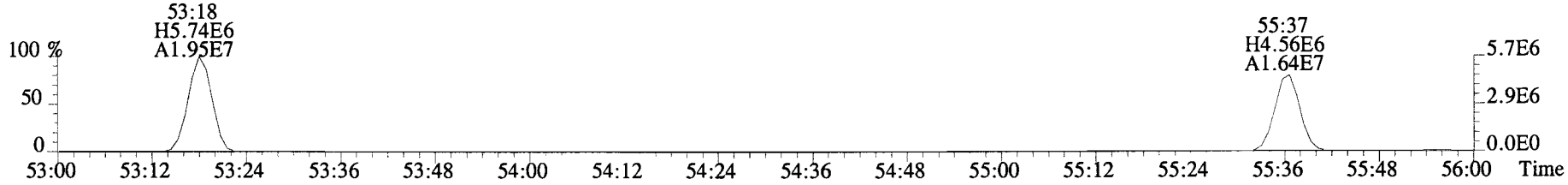
File:180409E1 #1-407 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
463.7216 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6276.0,0.00%,F,F)



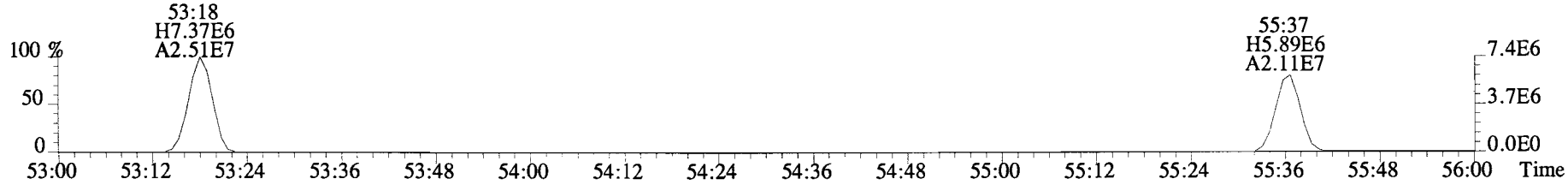

465.7186 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4184.0,0.00%,F,F)



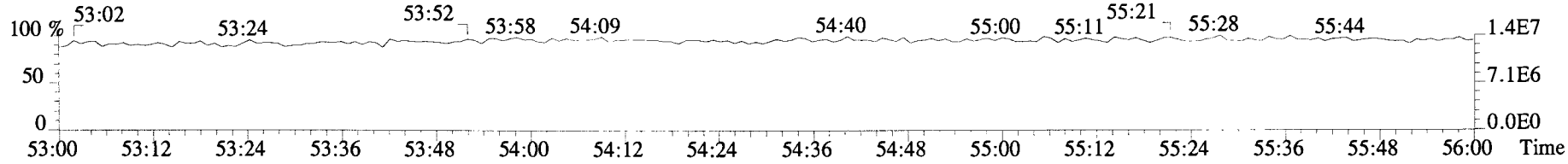

473.7648 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7084.0,0.00%,F,F)



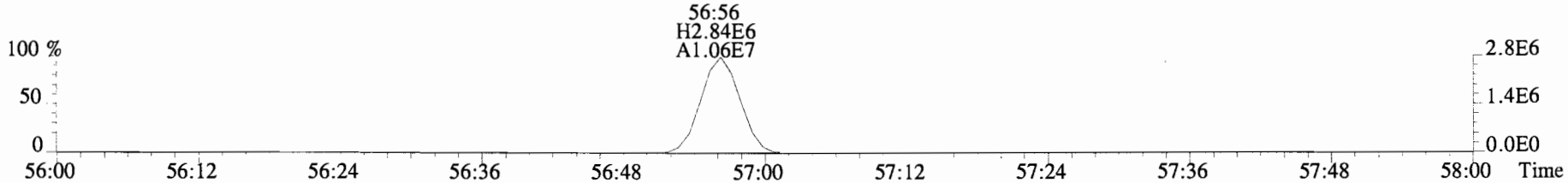

475.7619 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8172.0,0.00%,F,F)



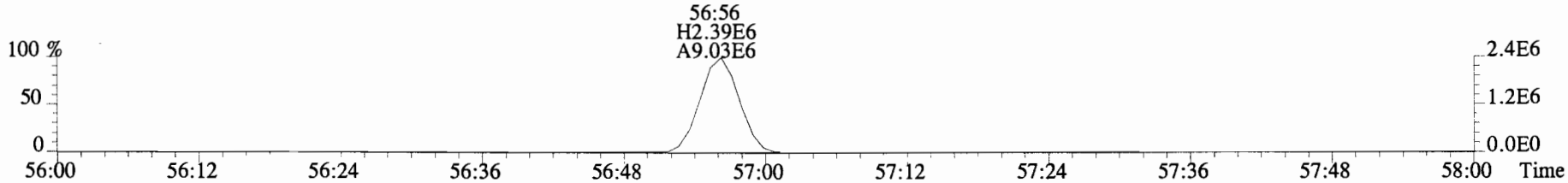

492.9697 S:2 F:5



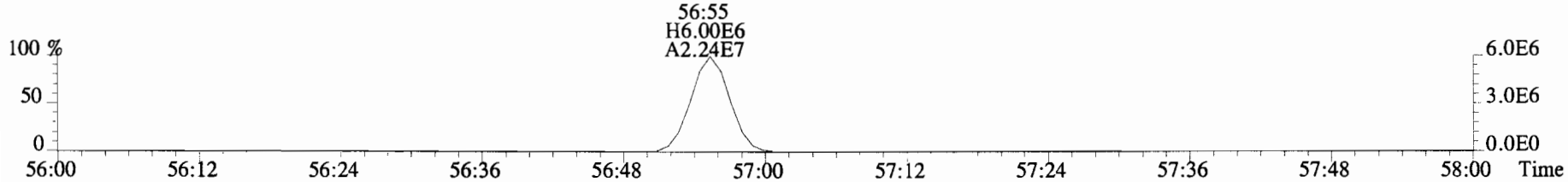
File:180409E1 #1-407 Acq: 9-APR-2018 18:38:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-BS1 OPR 1 Exp:PCB_ZB1
497.6826 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1560.0,0.00%,F,F)



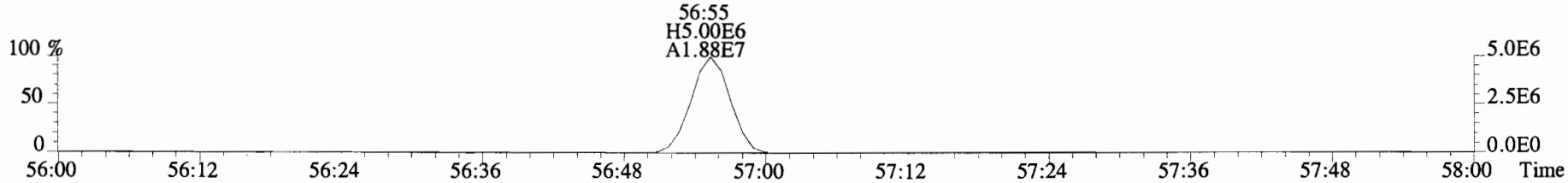

499.6797 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1404.0,0.00%,F,F)



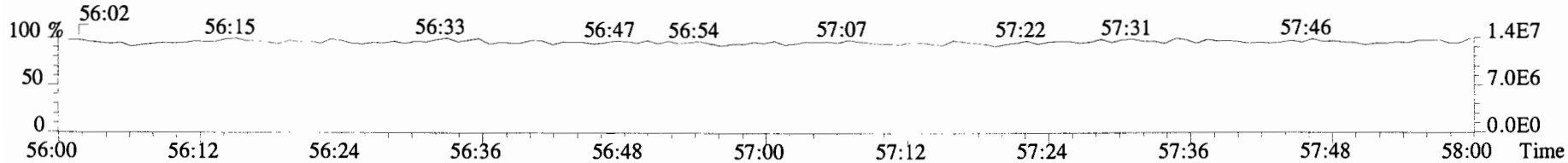

509.7229 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1640.0,0.00%,F,F)




511.7199 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1284.0,0.00%,F,F)




492.9697 S:2 F:5



Client ID: OWS-BAFA-T171026131438 Filename: 180409E1 S:7 Acq:10-APR-18 00:04:30 ConCal: ST180409E1-1 
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBv6-2-8-18 wt/vol: 0.981 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 4.91e+04 | 2.77 | y 15:59 | 1.07 | 1.386 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Mono | PCB-2 | * | * | n NotF┐ | 1.06 | * | | 1520 | 2.5 | 1.37 | * | 0.983-0.993 |
| Mono | PCB-3 | * | * | n NotF┐ | 1.06 | * | | 1520 | 2.5 | 1.37 | * | 0.996-1.006 |
| Di | PCB-4/10 | * | * | n NotF┐ | 1.24 | * | | 46300 | 1.0 | 12.6 | * | 0.998-1.008 |
| Di | PCB-7/9 | * | * | n NotF┐ | 0.99 | * | | 3740 | 2.5 | 1.81 | * | 0.863-0.871 |
| Di | PCB-6 | * | * | n NotF┐ | 1.06 | * | | 3740 | 2.5 | 1.70 | * | 0.888-0.897 |
| Di | PCB-5/8 | * | * | n NotF┐ | 1.03 | * | | 29400 | 1.0 | 5.50 | * | 0.904-0.913 |
| Di | PCB-14 | * | * | n NotF┐ | 1.03 | * | | 3740 | 2.5 | 1.62 | * | 0.948-0.958 |
| Di | PCB-11 | * | * | n NotF┐ | 1.11 | * | | 53100 | 1.0 | 8.56 | * | 0.996-1.006 |
| Di | PCB-12/13 | * | * | n NotF┐ | 1.02 | * | | 3740 | 2.5 | 1.65 | * | 1.011-1.021 |
| Di | PCB-15 | 4.83e+05 | 2.17 | n 25:51 | 1.05 | 8.075 | | * | 2.5 | * | 1.029 | 1.023-1.033 |
| Tri | PCB-19 | 6.36e+05 | 1.13 | y 24:07 | 1.20 | 15.58 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | * | * | n NotF┐ | 1.93 | * | | 1670 | 2.5 | 0.496 | * | 1.034-1.044 |
| Tri | PCB-18 | 9.99e+05 | 1.18 | y 25:46 | 0.91 | 19.35 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 3.85e+05 | 1.05 | y 25:57 | 0.84 | 8.093 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 6.02e+05 | 1.07 | y 26:31 | 1.15 | 9.258 | | * | 2.5 | * | 0.981 | 0.977-0.986 |
| Tri | PCB-16/32 | 1.74e+06 | 1.01 | y 27:02 | 1.02 | 30.22 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | * | * | n NotF┐ | 0.96 | * | | 1310 | 2.5 | 0.594 | * | 0.955-0.965 |
| Tri | PCB-23 | * | * | n NotF┐ | 0.95 | * | | 1310 | 2.5 | 0.601 | * | 0.958-0.968 |
| Tri | PCB-29 | * | * | n NotF┐ | 0.96 | * | | 1310 | 2.5 | 0.593 | * | 0.966-0.976 |
| Tri | PCB-26 | 1.84e+05 | 1.17 | y 28:23 | 1.00 | 3.180 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 6.23e+04 | 1.08 | y 28:33 | 1.06 | 1.020 | | * | 2.5 | * | 0.984 | 0.980-0.990 |
| Tri | PCB-31 | 4.56e+05 | 1.11 | y 28:54 | 1.10 | 7.187 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 1.29e+06 | 1.01 | y 29:00 | 1.14 | 19.65 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 2.36e+05 | 0.93 | y 29:38 | 1.00 | 4.110 | | * | 2.5 | * | 1.022 | 1.017-1.027 |
| Tri | PCB-22 | 1.75e+05 | 1.13 | y 30:03 | 1.09 | 2.780 | | * | 2.5 | * | 1.036 | 1.032-1.042 |
| Tri | PCB-36 | * | * | n NotF┐ | 1.15 | * | | 1310 | 2.5 | 0.496 | * | 0.929-0.939 |
| Tri | PCB-39 | * | * | n NotF┐ | 1.07 | * | | 1310 | 2.5 | 0.532 | * | 0.943-0.953 |
| Tri | PCB-38 | 4.25e+04 | 1.08 | y 31:55 | 1.10 | 0.6458 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-35 | 4.24e+04 | 1.27 | n 32:28 | 1.12 | 0.6320 | | * | 2.5 | * | 0.988 | 0.982-0.992 |
| Tri | PCB-37 | 8.34e+05 | 1.09 | y 32:53 | 1.11 | 12.55 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | * | * | n NotF┐ | 1.07 | * | | 1990 | 2.5 | 0.667 | * | 0.996-1.006 |
| Tetra | PCB-50 | * | * | n NotF┐ | 0.87 | * | | 1990 | 2.5 | 0.820 | * | 1.038-1.048 |
| Tetra | PCB-53 | 5.24e+05 | 0.75 | y 29:42 | 1.01 | 9.834 | | * | 2.5 | * | 0.945 | 0.940-0.950 |
| Tetra | PCB-51 | 1.77e+05 | 0.77 | y 30:02 | 1.10 | 3.042 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 5.35e+05 | 0.77 | y 30:27 | 0.87 | 11.64 | | * | 2.5 | * | 0.969 | 0.965-0.975 |
| Tetra | PCB-46 | 2.21e+05 | 0.74 | y 30:57 | 0.84 | 5.015 | | * | 2.5 | * | 0.985 | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/12/18

Reviewed by: CT

Date: 4/13/18

Client ID: OWS-BAFA-T171026131438 Filename: 180409E1 S:7 Acq:10-APR-18 00:04:30 ConCal: ST180409E1-1
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.981 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 2.15e+06 | 0.79 | y 31:25 | 1.21 | 33.56 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Tetra | PCB-73 | * | * | n NotF┐ | 1.45 | * | | 1990 | 2.5 | 0.568 | * | 1.000-1.010 |
| Tetra | PCB-43/49 | 1.45e+06 | 0.81 | y 31:43 | 1.01 | 27.15 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 7.38e+05 | 0.78 | y 31:56 | 0.91 | 13.95 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | 5.07e+05 | 0.84 | y 32:03 | 1.13 | 7.666 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | * | * | n NotF┐ | 1.27 | * | | 1990 | 2.5 | 0.578 | * | 1.007-1.017 |
| Tetra | PCB-62 | * | * | n NotF┐ | 1.10 | * | | 1990 | 2.5 | 0.671 | * | 1.011-1.021 |
| Tetra | PCB-44 | 2.06e+06 | 0.75 | y 32:44 | 0.85 | 41.32 | | * | 2.5 | * | 1.026 | 1.020-1.030 |
| Tetra | PCB-42/59 | 1.04e+06 | 0.78 | y 32:57 | 1.02 | 17.38 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 2.70e+06 | 0.86 | y 33:33 | 1.17 | 39.70 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 6.92e+04 | 1.08 | n 33:47 | 1.28 | 0.9285 | | * | 2.5 | * | 1.058 | 1.054-1.064 |
| Tetra | PCB-40 | 4.00e+05 | 0.73 | y 34:00 | 0.62 | 10.98 | | * | 2.5 | * | 1.065 | 1.060-1.070 |
| Tetra | PCB-57 | * | * | n NotF┐ | 1.13 | * | | 1990 | 2.5 | 0.533 | * | 0.965-0.975 |
| Tetra | PCB-67 | 1.41e+05 | 0.68 | y 34:41 | 1.10 | 1.732 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | * | * | n NotF┐ | 1.12 | * | | 1990 | 2.5 | 0.536 | * | 0.977-0.987 |
| Tetra | PCB-63 | 1.24e+05 | 0.95 | n 34:57 | 1.00 | 1.677 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Tetra | PCB-74 | 1.19e+06 | 0.85 | y 35:14 | 1.18 | 13.70 | | * | 2.5 | * | 0.994 | 0.989-0.999 |
| Tetra | PCB-61/70 | 1.61e+06 | 0.78 | y 35:27 | 1.03 | 21.27 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 2.04e+06 | 0.75 | y 35:39 | 1.13 | 24.38 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | * | * | n NotF┐ | 1.19 | * | | 1990 | 2.5 | 0.499 | * | 0.995-1.005 |
| Tetra | PCB-55 | * | * | n NotF┐ | 1.16 | * | | 1990 | 2.5 | 0.513 | * | 1.004-1.014 |
| Tetra | PCB-56/60 | 1.38e+06 | 0.74 | y 36:40 | 1.04 | 17.58 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | * | * | n NotF┐ | 1.17 | * | | 1990 | 2.5 | 0.509 | * | 1.047-1.057 |
| Tetra | PCB-78 | * | * | n NotF┐ | 1.10 | * | | 1990 | 2.5 | 0.541 | * | 0.982-0.992 |
| Tetra | PCB-81 | * | * | n NotF┐ | 0.97 | * | | 1990 | 2.5 | 0.616 | * | 0.995-1.005 |
| Tetra | PCB-77 | 3.64e+05 | 0.84 | y 39:34 | 1.08 | 4.487 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| | | | | | | | | | | | | |
| Penta | PCB-104 | * | * | n NotF┐ | 1.08 | * | | 1050 | 2.5 | 0.588 | * | 0.996-1.006 |
| Penta | PCB-96 | * | * | n NotF┐ | 1.13 | * | | 1050 | 2.5 | 0.562 | * | 1.034-1.044 |
| Penta | PCB-103 | * | * | n NotF┐ | 0.91 | * | | 1050 | 2.5 | 0.700 | * | 1.051-1.061 |
| Penta | PCB-100 | * | * | n NotF┐ | 0.93 | * | | 1050 | 2.5 | 0.687 | * | 1.062-1.072 |
| Penta | PCB-94 | * | * | n NotF┐ | 0.91 | * | | 1050 | 2.5 | 0.840 | * | 0.981-0.991 |
| Penta | PCB-95/98/102 | 7.90e+05 | 1.45 | y 35:44 | 1.17 | 15.16 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Penta | PCB-93 | * | * | n NotF┐ | 0.93 | * | | 1050 | 2.5 | 0.829 | * | 0.997-1.007 |
| Penta | PCB-88/91 | 1.55e+05 | 1.72 | y 36:08 | 0.97 | 3.585 | | * | 2.5 | * | 1.012 | 1.005-1.015 |
| Penta | PCB-121 | * | * | n NotF┐ | 1.68 | * | | 1050 | 2.5 | 0.457 | * | 1.009-1.019 |
| Penta | PCB-84/92 | 3.96e+05 | 1.35 | y 37:03 | 0.97 | 8.735 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | * | * | n NotF┐ | 1.06 | * | | 1050 | 2.5 | 0.657 | * | 0.990-1.000 |

Analyst: DB

Date: 4/10/18

Client ID: OWS-BAFA-T171026131438 Filename: 180409E1 S:7 Acq:10-APR-18 00:04:30 ConCal: ST180409E1-1 
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBVG8-2 8-18 wt/vol: 0.981 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 7.71e+05 | 1.43 | y 37:26 | 1.08 | 15.37 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | * | * | n NotF | 1.48 | * | | 1050 | 2.5 | 0.474 | * | 1.002-1.012 |
| Penta | PCB-99 | 3.46e+05 | 1.73 | y 37:46 | 1.25 | 5.923 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 4.95e+04 | 1.40 | y 38:13 | 1.70 | 0.6987 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Penta | PCB-108/112 | 7.81e+04 | 1.18 | n 38:22 | 1.40 | 1.335 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | * | * | n NotF | 1.75 | * | | 1050 | 2.5 | 0.456 | * | 0.990-1.000 |
| Penta | PCB-97 | 2.93e+05 | 1.37 | y 38:44 | 1.17 | 5.990 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | * | * | n NotF | 1.08 | * | | 1050 | 2.5 | 0.739 | * | 0.999-1.009 |
| Penta | PCB-87/117/125 | 4.55e+05 | 1.51 | y 39:01 | 1.55 | 7.040 | | * | 2.5 | * | 1.008 | 1.002-1.012 |
| Penta | PCB-111/115 | 4.51e+04 | 1.41 | y 39:10 | 1.79 | 0.6028 | | * | 2.5 | * | 1.012 | 1.006-1.016 |
| Penta | PCB-85/116 | 2.11e+05 | 1.71 | y 39:16 | 1.29 | 3.929 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | * | * | n NotF | 1.98 | * | | 1050 | 2.5 | 0.402 | * | 1.016-1.026 |
| Penta | PCB-110 | 1.18e+06 | 1.57 | y 39:40 | 1.69 | 16.74 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 1.60e+05 | 1.50 | y 40:17 | 0.81 | 3.429 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 5.67e+04 | 1.58 | y 40:59 | 1.30 | 0.7573 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Penta | PCB-107/109 | 1.05e+05 | 1.66 | y 41:08 | 1.31 | 1.388 | | * | 2.5 | * | 0.997 | 0.991-1.001 |
| Penta | PCB-123 | * | * | n NotF | 1.12 | * | | 1050 | 2.5 | 0.532 | * | 0.996-1.006 |
| Penta | PCB-106/118 | 8.55e+05 | 1.60 | y 41:29 | 1.18 | 12.00 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-114 | 5.42e+04 | 1.49 | y 42:08 | 1.11 | 0.9283 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-122 | 3.45e+04 | 1.49 | y 42:16 | 1.03 | 0.6396 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-105 | 4.05e+05 | 1.73 | y 42:58 | 1.12 | 7.091 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-127 | * | * | n NotF | 1.12 | * | | 1030 | 2.5 | 0.552 | * | 0.995-1.005 |
| Penta | PCB-126 | 5.73e+04 | 1.55 | y 45:13 | 1.20 | 0.9604 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-155 | * | * | n NotF | 0.99 | * | | 1100 | 2.5 | 0.574 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n NotF | 1.02 | * | | 1100 | 2.5 | 0.551 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n NotF | 1.16 | * | | 1100 | 2.5 | 0.488 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n NotF | 1.13 | * | | 1100 | 2.5 | 0.501 | * | 1.054-1.064 |
| Hexa | PCB-136 | 7.69e+04 | 1.11 | y 39:28 | 1.02 | 1.388 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n NotF | 0.77 | * | | 1100 | 2.5 | 0.731 | * | 1.066-1.076 |
| Hexa | PCB-154 | * | * | n NotF | 0.88 | * | | 1100 | 2.5 | 0.645 | * | 1.079-1.089 |
| Hexa | PCB-151 | 6.33e+04 | 1.18 | y 40:43 | 0.75 | 1.553 | | * | 2.5 | * | 1.101 | 1.095-1.107 |
| Hexa | PCB-135 | 5.01e+04 | 1.16 | y 40:56 | 0.86 | 1.075 | | * | 2.5 | * | 1.107 | 1.101-1.113 |
| Hexa | PCB-144 | * | * | n NotF | 0.77 | * | | 1100 | 2.5 | 0.738 | * | 1.105-1.116 |
| Hexa | PCB-147 | * | * | n NotF | 0.80 | * | | 1100 | 2.5 | 0.702 | * | 1.108-1.120 |
| Hexa | PCB-139/149 | 3.20e+05 | 1.28 | y 41:25 | 0.88 | 6.707 | | * | 2.5 | * | 1.120 | 1.115-1.127 |
| Hexa | PCB-140 | * | * | n NotF | 0.77 | * | | 1100 | 2.5 | 0.734 | * | 1.120-1.132 |
| Hexa | PCB-134/143 | 6.54e+04 | 1.07 | y 42:04 | 0.76 | 1.389 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: OWS-BAFA-T171026131438 Filename: 180409E1 S:7 Acq:10-APR-18 00:04:30 ConCal: ST180409E1-1 
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.981 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | * | * | n NotF¶ | 0.82 | * | | 1450 | 2.5 | 0.822 | * | 0.977-0.987 |
| Hexa | PCB-142 | * | * | n NotF¶ | 0.73 | * | | 1450 | 2.5 | 0.915 | * | 0.981-0.991 |
| Hexa | PCB-146/165 | 8.94e+04 | 0.97 | n 42:45 | 1.02 | 1.419 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Hexa | PCB-132/161 | 1.78e+05 | 1.28 | y 43:01 | 1.00 | 2.877 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 4.23e+05 | 1.12 | y 43:09 | 1.08 | 6.358 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | * | * | n NotF¶ | 1.12 | * | | 1450 | 2.5 | 0.600 | * | 1.000-1.010 |
| Hexa | PCB-141 | 8.38e+04 | 1.50 | n 43:53 | 1.02 | 1.565 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 3.21e+04 | 1.91 | n 44:16 | 1.10 | 0.5530 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Hexa | PCB-130 | 2.83e+04 | 1.12 | y 44:23 | 0.81 | 0.6675 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 6.03e+05 | 1.21 | y 44:44 | 1.23 | 8.815 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | 1.17e+05 | 1.32 | y 44:58 | 1.18 | 1.786 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 6.24e+04 | 1.09 | y 45:14 | 0.78 | 1.441 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Hexa | PCB-166 | * | * | n NotF¶ | 1.13 | * | | 1450 | 2.5 | 0.534 | * | 0.988-0.998 |
| Hexa | PCB-159 | * | * | n NotF¶ | 1.16 | * | | 1450 | 2.5 | 0.521 | * | 0.995-1.005 |
| Hexa | PCB-128/162 | 1.33e+05 | 1.12 | y 46:17 | 0.89 | 2.203 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Hexa | PCB-167 | 5.31e+04 | 0.97 | n 46:42 | 1.02 | 0.7660 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-156 | 1.07e+05 | 1.23 | y 47:58 | 1.06 | 1.489 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 5.86e+04 | 0.83 | n 48:15 | 1.02 | 0.8615 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | 4.06e+04 | 1.82 | n 50:27 | 1.13 | 0.5710 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-188 | * | * | n NotF¶ | 1.37 | * | | 1860 | 1.0 | 0.202 | * | 0.995-1.005 |
| Hepta | PCB-184 | * | * | n NotF¶ | 1.32 | * | | 1330 | 1.0 | 0.150 | * | 1.006-1.016 |
| Hepta | PCB-179 | 3.72e+04 | 1.11 | y 44:01 | 1.38 | 0.5555 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | * | * | n NotF¶ | 1.31 | * | | 2850 | 1.0 | 0.325 | * | 1.035-1.045 |
| Hepta | PCB-186 | * | * | n NotF¶ | 1.42 | * | | 1200 | 2.5 | 0.316 | * | 1.049-1.059 |
| Hepta | PCB-178 | * | * | n NotF¶ | 0.97 | * | | 5390 | 1.0 | 0.831 | * | 1.060-1.070 |
| Hepta | PCB-175 | * | * | n NotF¶ | 1.00 | * | | 1200 | 2.5 | 0.449 | * | 1.069-1.079 |
| Hepta | PCB-182/187 | 1.02e+05 | 1.16 | y 46:05 | 1.14 | 1.851 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | 3.79e+04 | 1.95 | n 46:23 | 1.13 | 0.6936 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | * | * | n NotF¶ | 1.36 | * | | 2270 | 1.0 | 0.339 | * | 0.950-0.960 |
| Hepta | PCB-174 | 6.76e+04 | 1.19 | y 47:26 | 1.42 | 1.320 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | * | * | n NotF¶ | 1.48 | * | | 1200 | 2.5 | 0.410 | * | 0.960-0.970 |
| Hepta | PCB-177 | 4.99e+04 | 1.02 | y 47:42 | 1.33 | 1.038 | | * | 2.5 | * | 0.969 | 0.963-0.973 |
| Hepta | PCB-171 | 3.33e+04 | 1.46 | n 47:59 | 1.37 | 0.6702 | | * | 2.5 | * | 0.974 | 0.969-0.979 |
| Hepta | PCB-173 | * | * | n NotF¶ | 1.27 | * | | 1200 | 2.5 | 0.477 | * | 0.978-0.988 |
| Hepta | PCB-172 | * | * | n NotF¶ | 1.39 | * | | 3380 | 1.0 | 0.492 | * | 0.987-0.997 |
| Hepta | PCB-192 | * | * | n NotF¶ | 1.80 | * | | 1200 | 2.5 | 0.336 | * | 0.991-1.001 |
| Hepta | PCB-180 | 1.60e+05 | 1.06 | y 49:17 | 1.52 | 2.911 | | * | 2.5 | * | 1.001 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: OWS-BAFA-T171026131438 Filename: 180409E1 S:7 Acq:10-APR-18 00:04:30 ConCal: ST180409E1-1
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.981 EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | * | * | n | NotF╗ | 1.71 | * | | 3260 | 1.0 | 0.384 | * | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n | NotF╗ | 1.74 | * | | 3230 | 1.0 | 0.375 | * | 1.005-1.015 |
| Hepta | PCB-170 | 7.22e+04 | 1.65 | n | 50:53 | 1.44 | 1.636 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hepta | PCB-190 | * | * | n | NotF╗ | 1.95 | * | | 2740 | 1.0 | 0.314 | * | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n | NotF╗ | 1.46 | * | | 2700 | 1.0 | 0.282 | * | 0.995-1.005 |
| Octa | PCB-202 | * | * | n | NotF╗ | 1.06 | * | | 1230 | 2.5 | 0.520 | * | 0.995-1.005 |
| Octa | PCB-201 | * | * | n | NotF╗ | 0.98 | * | | 1230 | 2.5 | 0.564 | * | 1.006-1.016 |
| Octa | PCB-204 | * | * | n | NotF╗ | 1.07 | * | | 1230 | 2.5 | 0.515 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n | NotF╗ | 1.10 | * | | 1230 | 2.5 | 0.502 | * | 1.015-1.025 |
| Octa | PCB-200 | * | * | n | NotF╗ | 1.04 | * | | 1230 | 2.5 | 0.529 | * | 1.034-1.044 |
| Octa | PCB-198 | * | * | n | NotF╗ | 0.84 | * | | 1230 | 2.5 | 0.659 | * | 1.065-1.075 |
| Octa | PCB-199 | 3.59e+04 | 0.52 | n | 51:39 | 0.80 | 0.8613 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 6.40e+04 | 0.88 | y | 51:55 | 0.84 | 1.459 | | * | 2.5 | * | 1.077 | 1.072-1.082 |
| Octa | PCB-195 | 2.16e+04 | 0.64 | n | 53:09 | 1.04 | 0.6398 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 4.95e+04 | 0.83 | y | 54:02 | 1.16 | 1.309 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | 2.83e+04 | 0.75 | n | 54:19 | 1.33 | 0.6511 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Nona | PCB-208 | 2.64e+04 | 1.30 | y | 53:18 | 0.90 | 0.5569 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | * | * | n | NotF╗ | 0.89 | * | | 663 | 2.5 | 0.225 | * | 1.001-1.011 |
| Nona | PCB-206 | 4.37e+04 | 1.47 | y | 55:37 | 0.88 | 1.137 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 2.79e+04 | 1.30 | y | 56:57 | 1.04 | 0.5714 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: OWS-BAFA-T171026131438 Filename: 180409E1 S:7 Acq:10-APR-18 00:04:30 ConCal: ST180409E1-1
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.981 EndCAL: NA

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | 4.91e+04 | 2.77 | y | 15:59 | 1.06 | 1.38596 | |
| Total Di-PCB | * | * | n | NotFnd | 1.04 | * | |
| Total Tri-PCB | 4.36e+06 | 1.13 | y | 24:07 | 1.15 | 82.5024 | |
| Total Tri-PCB | 3.28e+06 | 1.17 | y | 28:23 | 1.05 | 51.1248 | Sum:133.627 |
| Total Tetra-PCB | 1.92e+07 | 0.75 | y | 29:42 | 1.06 | 304.409 | |
| Total Penta-PCB | 5.87e+06 | 1.45 | y | 35:44 | 1.18 | 101.346 | |
| Total Penta-PCB | 5.51e+05 | 1.49 | y | 42:08 | 1.12 | 9.61965 | Sum:110.965 |
| Total Hexa-PCB | 5.10e+05 | 1.11 | y | 39:28 | 0.91 | 10.7225 | |
| Total Hexa-PCB | 1.72e+06 | 1.07 | y | 42:04 | 1.00 | 27.0246 | Sum:37.7471 |
| Total Hepta-PCB | 4.17e+05 | 1.11 | y | 44:01 | 1.35 | 7.67582 | |
| Total Octa-PCB | 6.40e+04 | 0.88 | y | 51:55 | 0.95 | 1.45878 | |
| Total Octa-PCB | 4.95e+04 | 0.83 | y | 54:02 | 1.17 | 1.30886 | Sum:2.76764 |
| Total Nona-PCB | 7.01e+04 | 1.30 | y | 53:18 | 0.89 | 1.69361 | |
| Total Deca-PCB | 2.79e+04 | 1.30 | y | 56:57 | 1.04 | 0.571422 | |

Total PCB Conc:624.377929000

Integrations by Analyst: JB

Date: 4/12/18

Client ID: OWS-BAFA-T171026131438 Filename: 180409E1 S:7 Acq:10-APR-18 00:04:30 ConCal: ST180409E1-1
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:0.9812 EndCAL: NA

| Name | Resp | RA | | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 6.73e+07 | 3.20 | y | 1.13 | 15:58 | 0.618 | 0.616-0.622 | 728 | 35.7 |
| 13C-PCB-3 | 7.55e+07 | 3.18 | y | 1.21 | 18:36 | 0.720 | 0.716-0.724 | 762 | 37.4 |
| 13C-PCB-4 | 5.35e+07 | 1.54 | y | 0.59 | 19:56 | 0.772 | 0.769-0.777 | 1100 | 54.0 |
| 13C-PCB-9 | 9.67e+07 | 1.53 | y | 0.94 | 21:44 | 0.841 | 0.837-0.845 | 1260 | 61.6 |
| 13C-PCB-11 | 1.16e+08 | 1.53 | y | 0.95 | 25:08 | 0.973 | 0.968-0.978 | 1490 | 73.1 |
| 13C-PCB-19 | 6.95e+07 | 1.07 | y | 0.62 | 24:06 | 0.933 | 0.928-0.938 | 1360 | 66.8 |
| 13C-PCB-28 | 1.18e+08 | 1.08 | y | 1.05 | 29:00 | 1.004 | 0.999-1.009 | 1710 | 83.7 |
| 13C-PCB-32 | 1.15e+08 | 1.06 | y | 0.91 | 27:02 | 1.046 | 1.041-1.051 | 1550 | 75.9 |
| 13C-PCB-37 | 1.22e+08 | 1.10 | y | 1.02 | 32:52 | 1.138 | 1.132-1.144 | 1810 | 89.0 |
| 13C-PCB-47 | 1.19e+08 | 0.81 | y | 0.83 | 31:55 | 0.870 | 0.867-0.875 | 1710 | 83.8 |
| 13C-PCB-52 | 1.08e+08 | 0.77 | y | 0.76 | 31:25 | 0.857 | 0.853-0.861 | 1680 | 82.7 |
| 13C-PCB-54 | 1.16e+08 | 0.79 | y | 0.93 | 27:52 | 0.760 | 0.756-0.764 | 1490 | 73.1 |
| 13C-PCB-70 | 1.50e+08 | 0.80 | y | 1.00 | 35:26 | 0.966 | 0.961-0.971 | 1800 | 88.4 |
| 13C-PCB-77 | 1.53e+08 | 0.80 | y | 0.96 | 39:33 | 1.079 | 1.073-1.083 | 1910 | 93.5 |
| 13C-PCB-80 | 1.53e+08 | 0.79 | y | 1.00 | 35:51 | 0.978 | 0.973-0.983 | 1840 | 90.2 |
| 13C-PCB-81 | 1.60e+08 | 0.79 | y | 1.01 | 38:57 | 1.062 | 1.057-1.067 | 1900 | 93.1 |
| 13C-PCB-95 | 9.06e+07 | 1.57 | y | 0.80 | 35:43 | 0.912 | 0.908-0.918 | 1740 | 85.4 |
| 13C-PCB-97 | 8.49e+07 | 1.55 | y | 0.70 | 38:43 | 0.989 | 0.984-0.994 | 1870 | 91.5 |
| 13C-PCB-101 | 9.50e+07 | 1.59 | y | 0.80 | 37:25 | 0.956 | 0.951-0.961 | 1820 | 89.5 |
| 13C-PCB-104 | 1.05e+08 | 1.58 | y | 1.01 | 32:33 | 0.831 | 0.828-0.836 | 1600 | 78.5 |
| 13C-PCB-105 | 1.04e+08 | 1.59 | y | 1.14 | 42:58 | 0.929 | 0.924-0.934 | 1750 | 86.0 |
| 13C-PCB-114 | 1.07e+08 | 1.56 | y | 1.18 | 42:06 | 0.910 | 0.905-0.915 | 1740 | 85.6 |
| 13C-PCB-118 | 1.23e+08 | 1.62 | y | 1.00 | 41:28 | 1.059 | 1.054-1.064 | 1900 | 93.5 |
| 13C-PCB-123 | 1.18e+08 | 1.58 | y | 0.95 | 41:16 | 1.054 | 1.049-1.059 | 1920 | 94.3 |
| 13C-PCB-126 | 1.01e+08 | 1.58 | y | 1.14 | 45:12 | 0.977 | 0.972-0.982 | 1720 | 84.4 |
| 13C-PCB-127 | 1.09e+08 | 1.58 | y | 1.24 | 43:19 | 0.937 | 0.931-0.941 | 1700 | 83.2 |
| 13C-PCB-138 | 1.13e+08 | 1.27 | y | 1.17 | 44:42 | 0.966 | 0.962-0.972 | 1860 | 91.0 |
| 13C-PCB-141 | 1.07e+08 | 1.26 | y | 1.11 | 43:52 | 0.948 | 0.944-0.954 | 1870 | 91.7 |
| 13C-PCB-153 | 1.26e+08 | 1.26 | y | 1.34 | 43:08 | 0.933 | 0.928-0.938 | 1820 | 89.2 |
| 13C-PCB-155 | 1.10e+08 | 1.26 | y | 0.83 | 36:58 | 0.944 | 0.939-0.949 | 2060 | 101 |
| 13C-PCB-156 | 1.38e+08 | 1.25 | y | 1.38 | 47:58 | 1.037 | 1.032-1.042 | 1930 | 94.5 |
| 13C-PCB-157 | 1.35e+08 | 1.25 | y | 1.37 | 48:14 | 1.043 | 1.037-1.047 | 1900 | 93.3 |
| 13C-PCB-159 | 1.38e+08 | 1.27 | y | 1.39 | 46:00 | 0.995 | 0.989-0.999 | 1920 | 94.2 |
| 13C-PCB-167 | 1.38e+08 | 1.25 | y | 1.40 | 46:40 | 1.009 | 1.004-1.014 | 1910 | 93.7 |
| 13C-PCB-169 | 1.28e+08 | 1.27 | y | 1.39 | 50:27 | 1.091 | 1.085-1.095 | 1780 | 87.2 |
| 13C-PCB-170 | 6.26e+07 | 0.45 | y | 0.86 | 50:51 | 1.103 | 1.097-1.109 | 1830 | 89.5 |
| 13C-PCB-180 | 7.38e+07 | 0.46 | y | 0.98 | 49:15 | 1.068 | 1.064-1.074 | 1890 | 92.7 |
| 13C-PCB-188 | 9.87e+07 | 0.45 | y | 1.40 | 42:46 | 0.928 | 0.923-0.933 | 1760 | 86.6 |
| 13C-PCB-189 | 8.37e+07 | 0.46 | y | 1.15 | 52:28 | 1.138 | 1.132-1.144 | 1820 | 89.4 |
| 13C-PCB-194 | 6.66e+07 | 0.92 | y | 0.77 | 54:02 | 0.995 | 0.990-1.000 | 1790 | 87.7 |
| 13C-PCB-202 | 1.06e+08 | 0.91 | y | 1.28 | 48:11 | 1.045 | 1.040-1.050 | 2080 | 102 |
| 13C-PCB-206 | 8.89e+07 | 0.78 | y | 0.81 | 55:36 | 1.024 | 1.019-1.029 | 2270 | 111 |
| 13C-PCB-208 | 1.08e+08 | 0.77 | y | 1.09 | 53:17 | 0.981 | 0.977-0.987 | 2040 | 99.9 |
| 13C-PCB-209 | 9.57e+07 | 1.18 | y | 0.74 | 56:56 | 1.048 | 1.043-1.053 | 2690 | 132 |

CRS vs. RS

| Name | Resp | RA | | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.79e+08 | 0.79 | y | 1.03 | 37:44 | 1.029 | 1.024-1.034 | 2080 | 102 |
| 13C-PCB-178 | 7.90e+07 | 0.45 | y | 0.93 | 45:33 | 0.985 | 0.980-0.990 | 2130 | 105 |

PS vs. IS

| Name | Resp | RA | | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.79e+08 | 0.79 | y | 1.03 | 37:44 | 0.969 | 0.963-0.973 | 2230 | 109 |
| 13C-PCB-178 | 7.90e+07 | 0.45 | y | 0.95 | 45:33 | 0.925 | 0.920-0.930 | 2290 | 113 |

RS

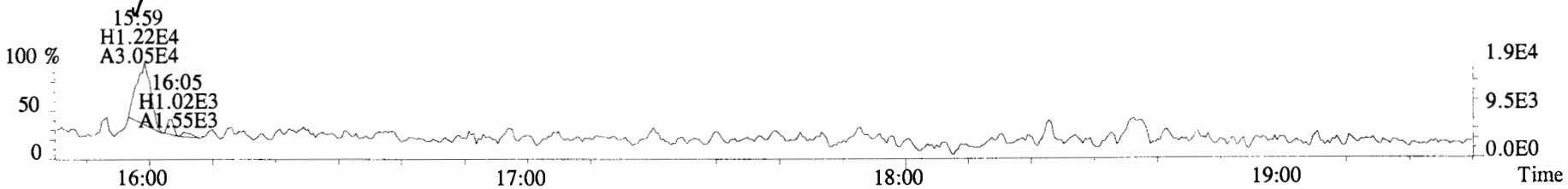
| Name | Resp | RA | | RRF | RT | Conc |
|---|---|---|---|---|---|---|
| 13C-PCB-15 | 1.67e+08 | 1.54 | y | 1.00 | 25:50 | 2040 |
| 13C-PCB-31 | 1.34e+08 | 1.11 | y | 1.00 | 28:53 | 2040 |
| 13C-PCB-60 | 1.70e+08 | 0.80 | y | 1.00 | 36:40 | 2040 |
| 13C-PCB-111 | 1.32e+08 | 1.59 | y | 1.00 | 39:09 | 2040 |
| 13C-PCB-128 | 1.06e+08 | 1.26 | y | 1.00 | 46:15 | 2040 |
| 13C-PCB-182 | 8.15e+07 | 0.46 | y | 1.00 | 46:06 | 2040 |
| 13C-PCB-205 | 9.87e+07 | 0.89 | y | 1.00 | 54:18 | 2040 |

Analyst: DB

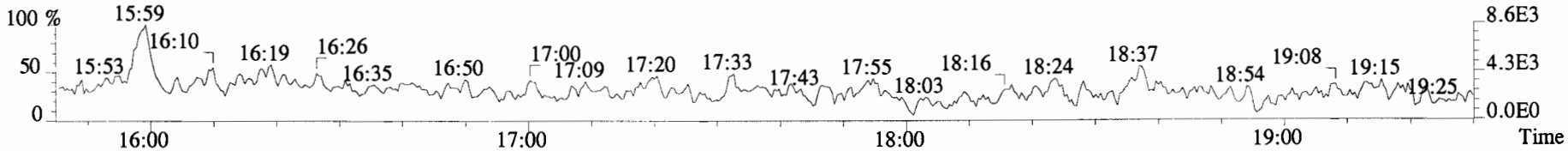
Date: 4/10/18

File:180409E1 #1-867 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

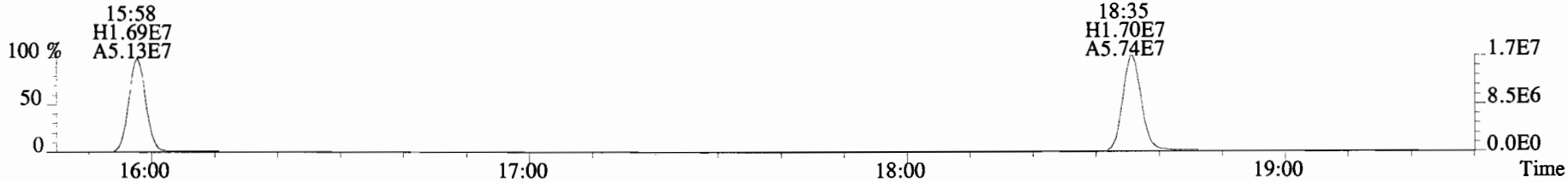
188.0393 S:7 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5144.0,0.00%,F,F)



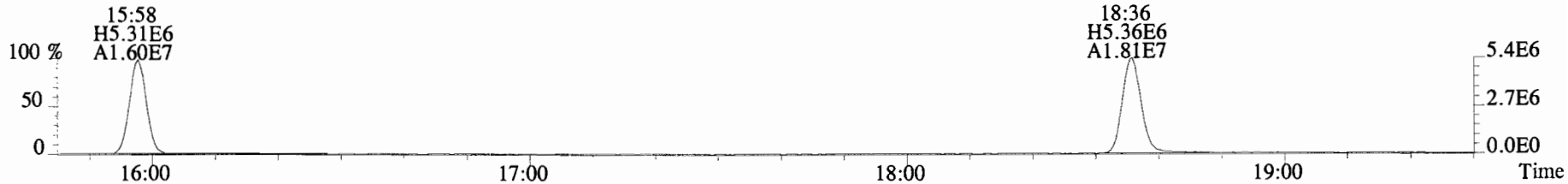

190.0363 S:7 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3352.0,0.00%,F,F)



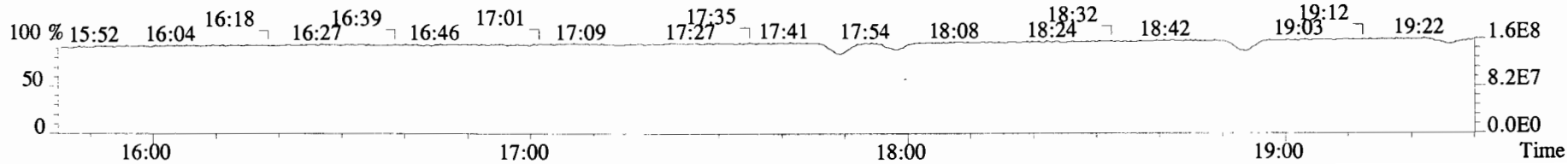

200.0795 S:7 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6540.0,0.00%,F,F)



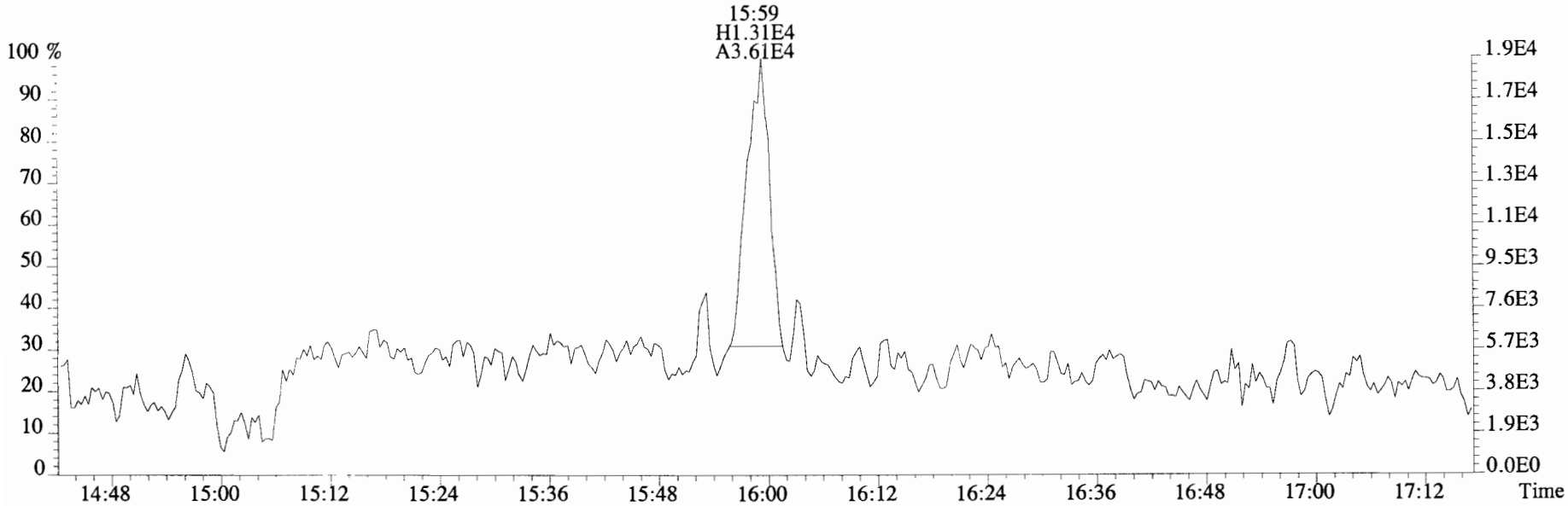

202.0766 S:7 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33436.0,0.00%,F,F)



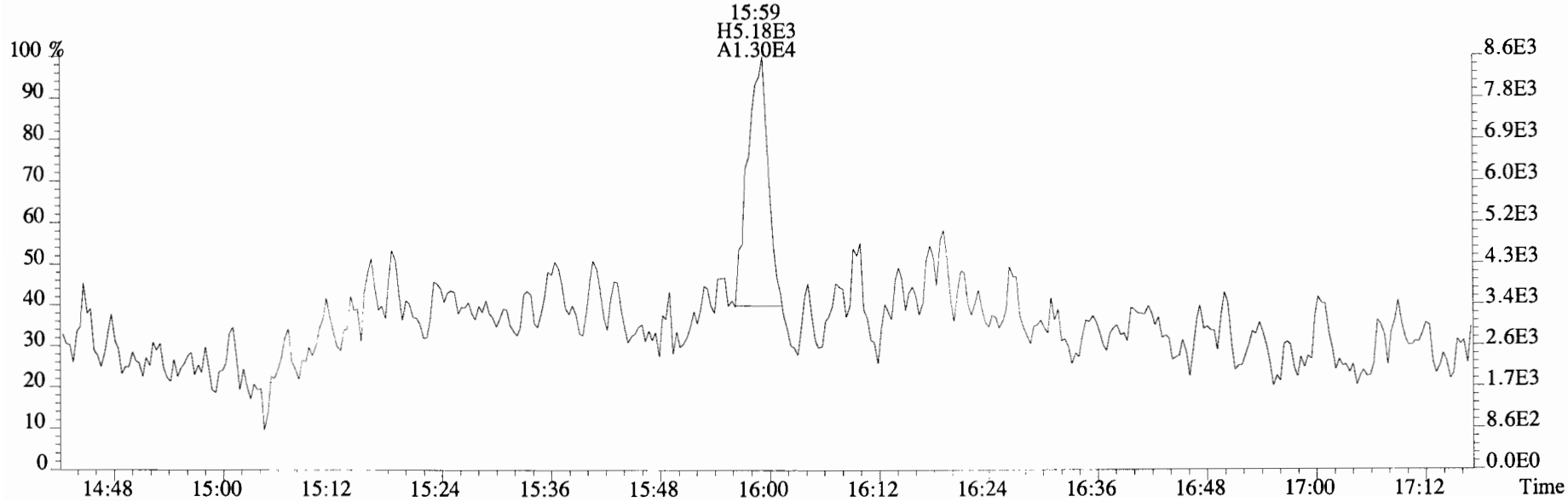

180.9880 S:7



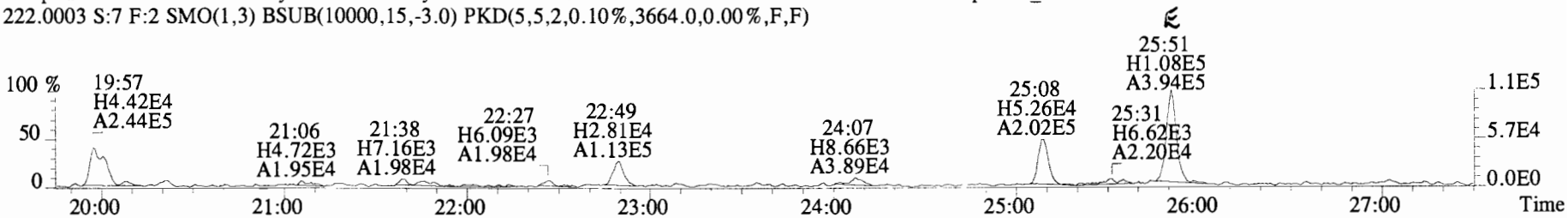
File:180409E1 #1-867 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
188.0393 S:7 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5144.0,0.00%,F,F)



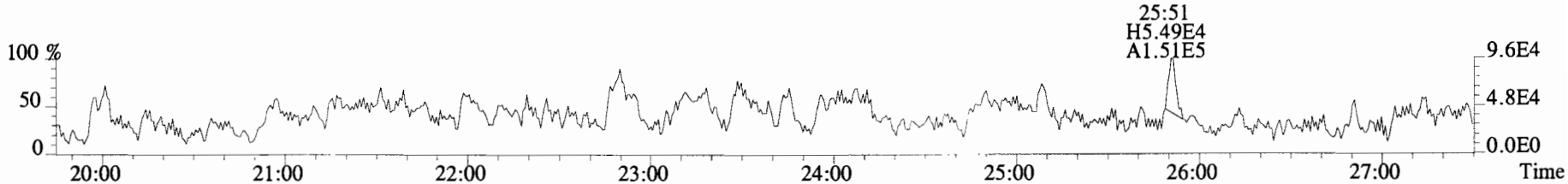

190.0363 S:7 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3352.0,0.00%,F,F)



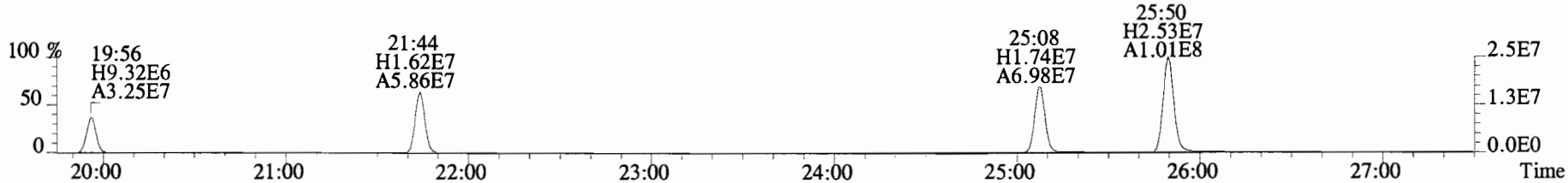
File:180409E1 #1-757 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
222.0003 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3664.0,0.00%,F,F)



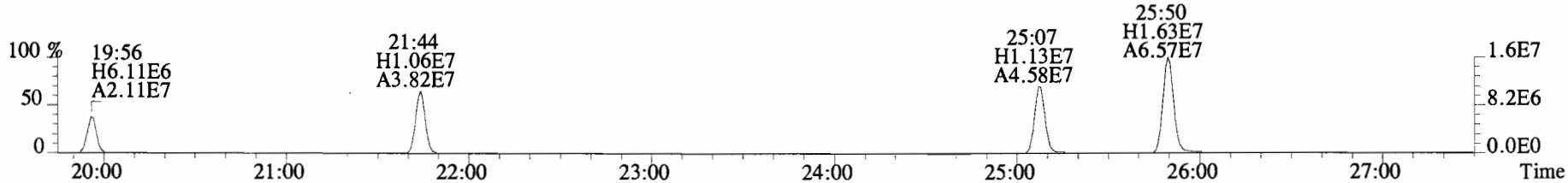

223.9974 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,48836.0,0.00%,F,F)



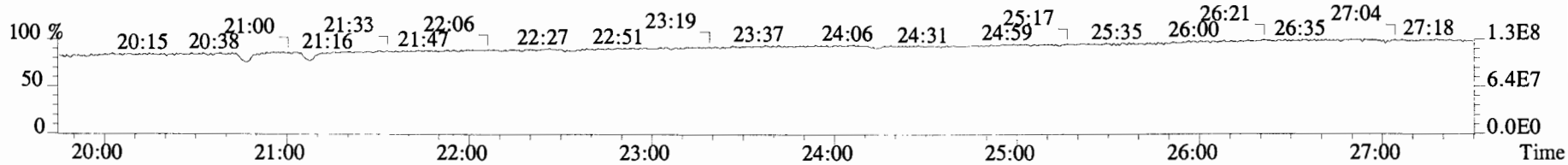

234.0406 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5512.0,0.00%,F,F)



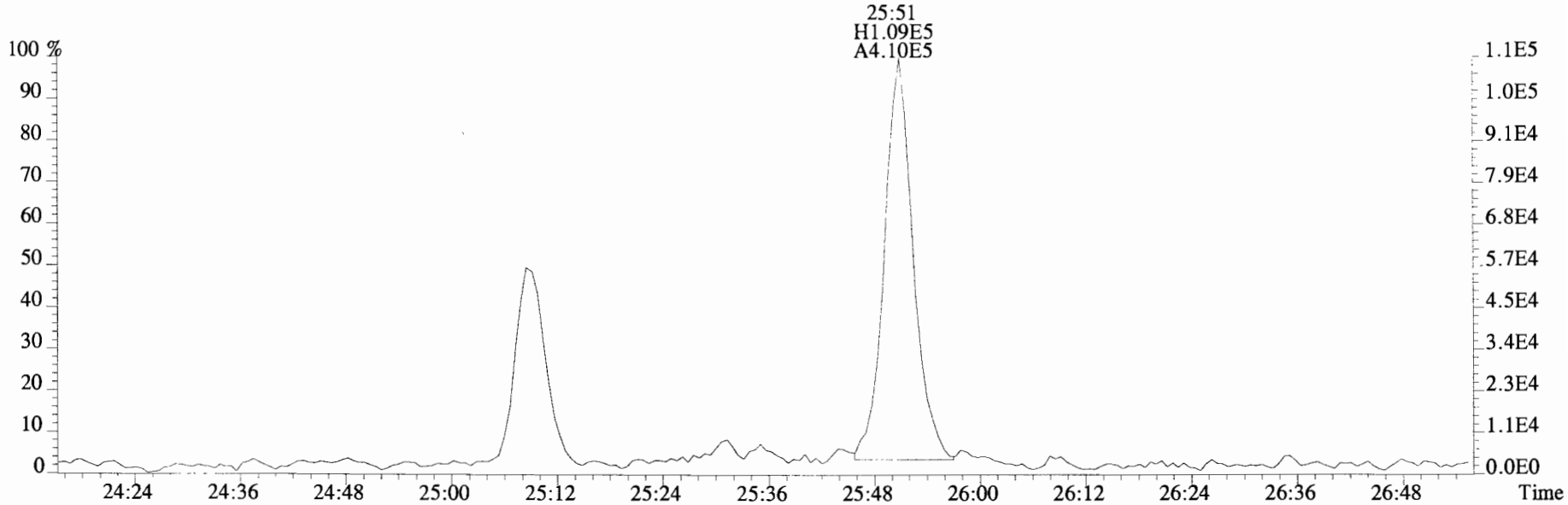

236.0376 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4108.0,0.00%,F,F)



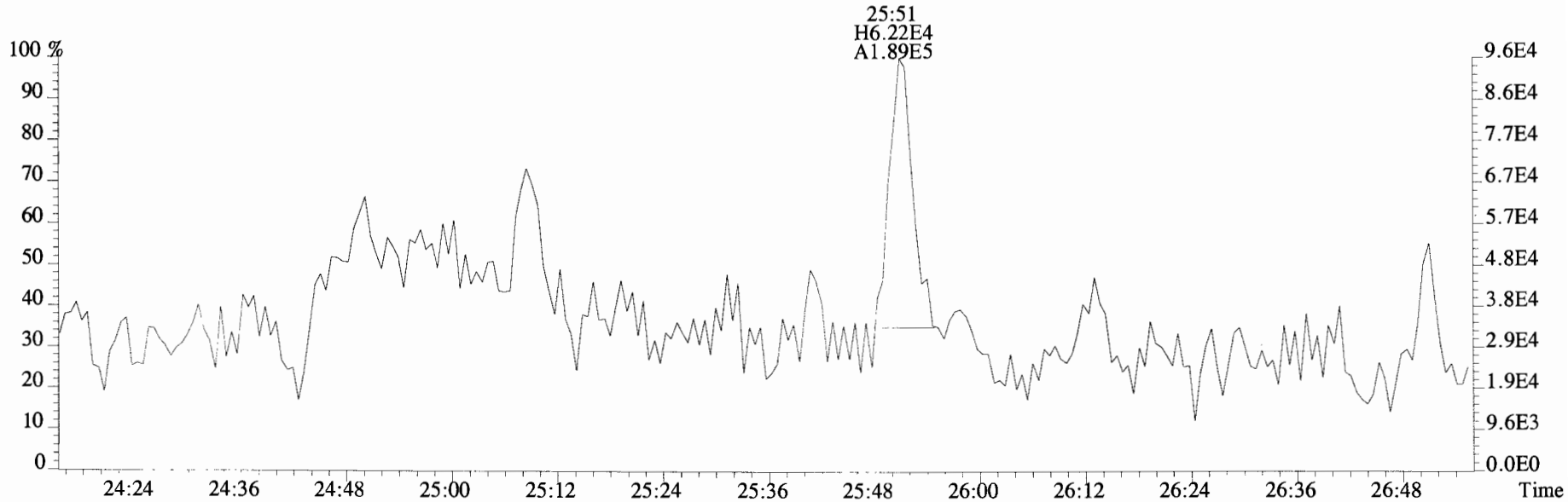

230.9856 S:7 F:2



File:180409E1 #1-757 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
222.0003 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3664.0,0.00%,F,F)

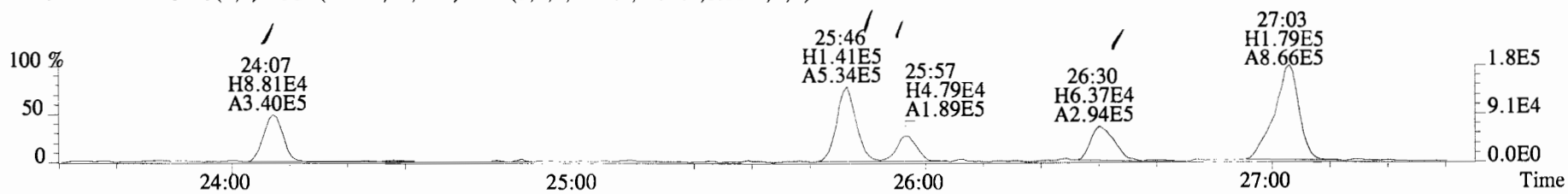



223.9974 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,48836.0,0.00%,F,F)

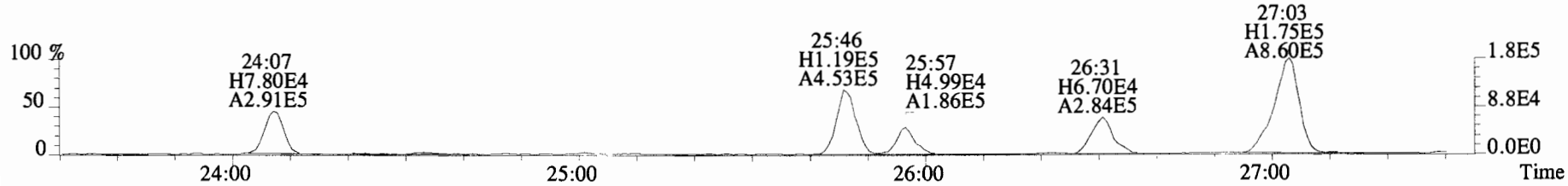


File:180409E1 #1-757 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

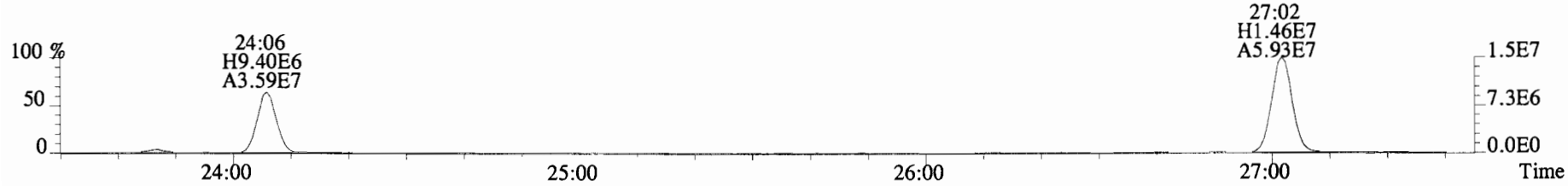
255.9613 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3792.0,0.00%,F,F)



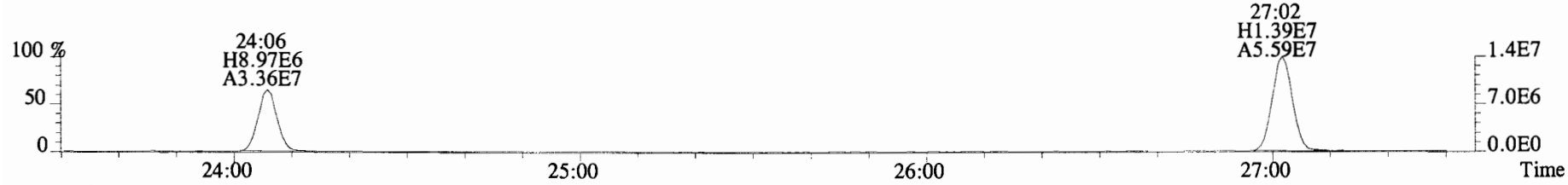

257.9584 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



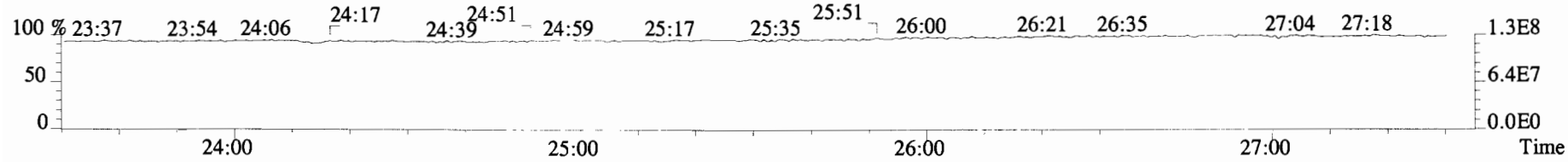

268.0016 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,76032.0,0.00%,F,F)



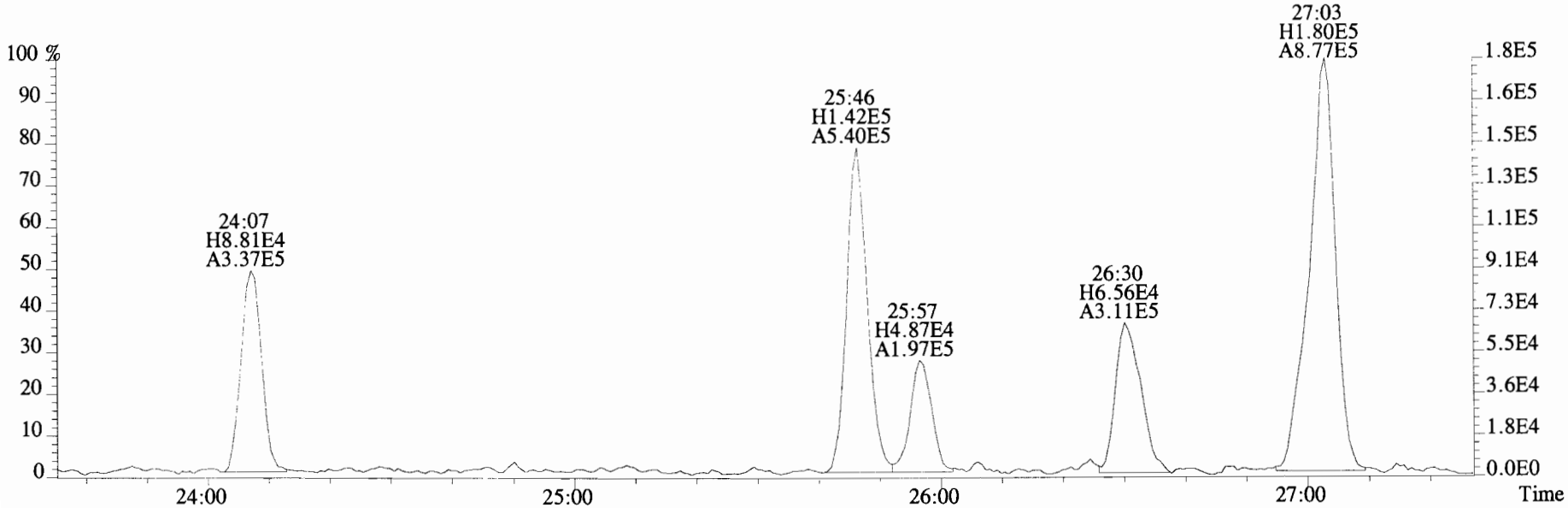

269.9986 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,73116.0,0.00%,F,F)



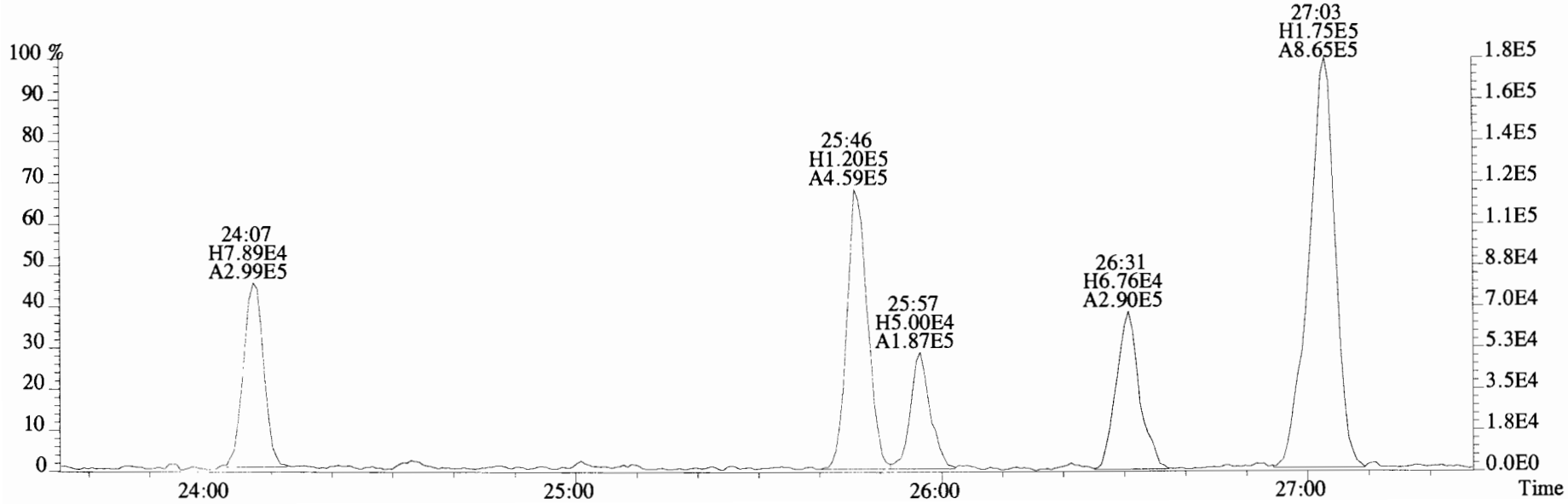

230.9856 S:7 F:2



File:180409E1 #1-757 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
255.9613 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3792.0,0.00%,F,F)

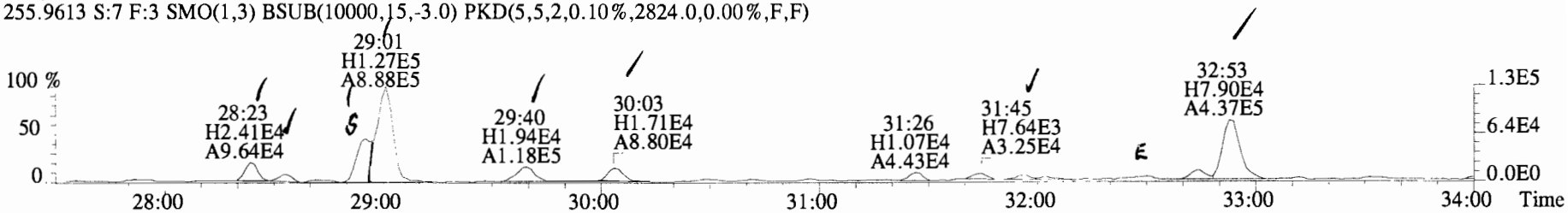



257.9584 S:7 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)

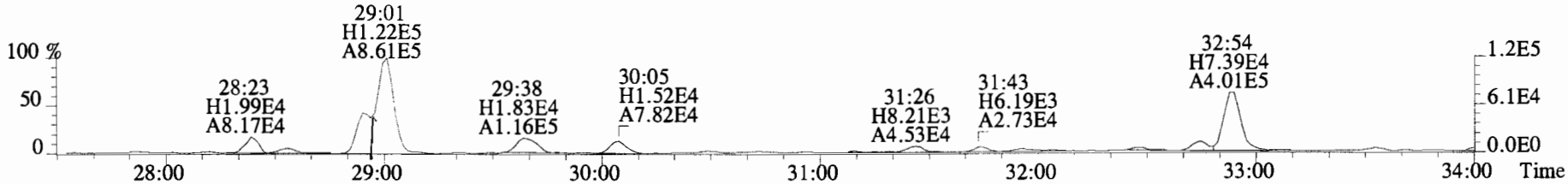


File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

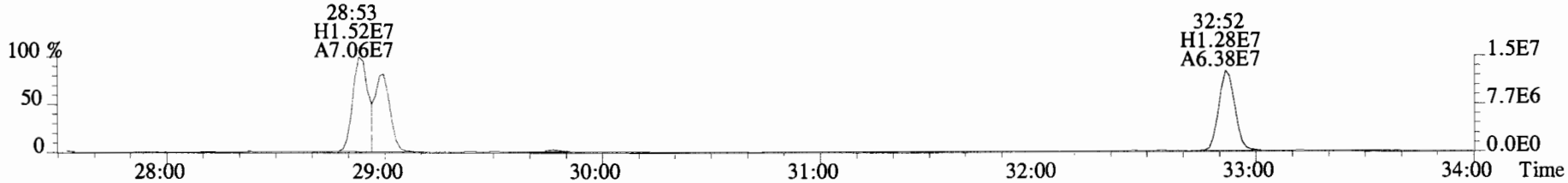
255.9613 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2824.0,0.00%,F,F)



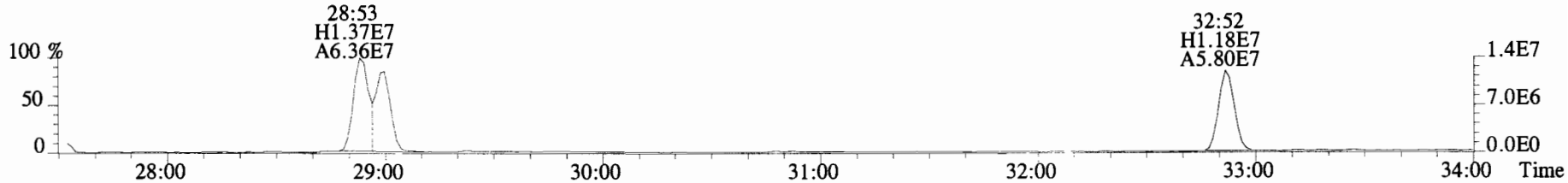

257.9584 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2280.0,0.00%,F,F)



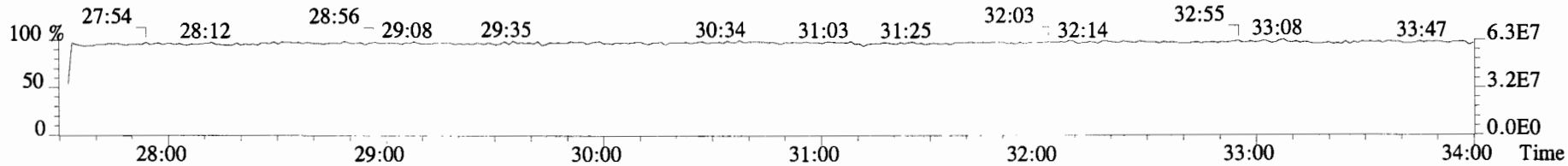

268.0016 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,122332.0,0.00%,F,F)



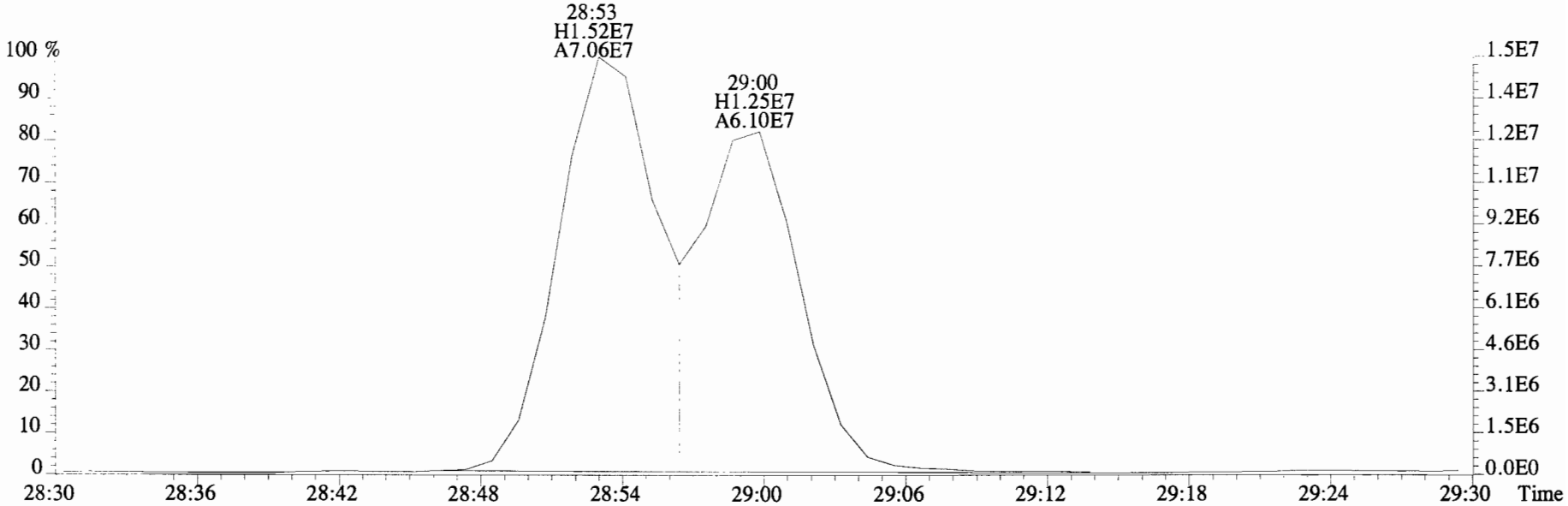

269.9986 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,223656.0,0.00%,F,F)



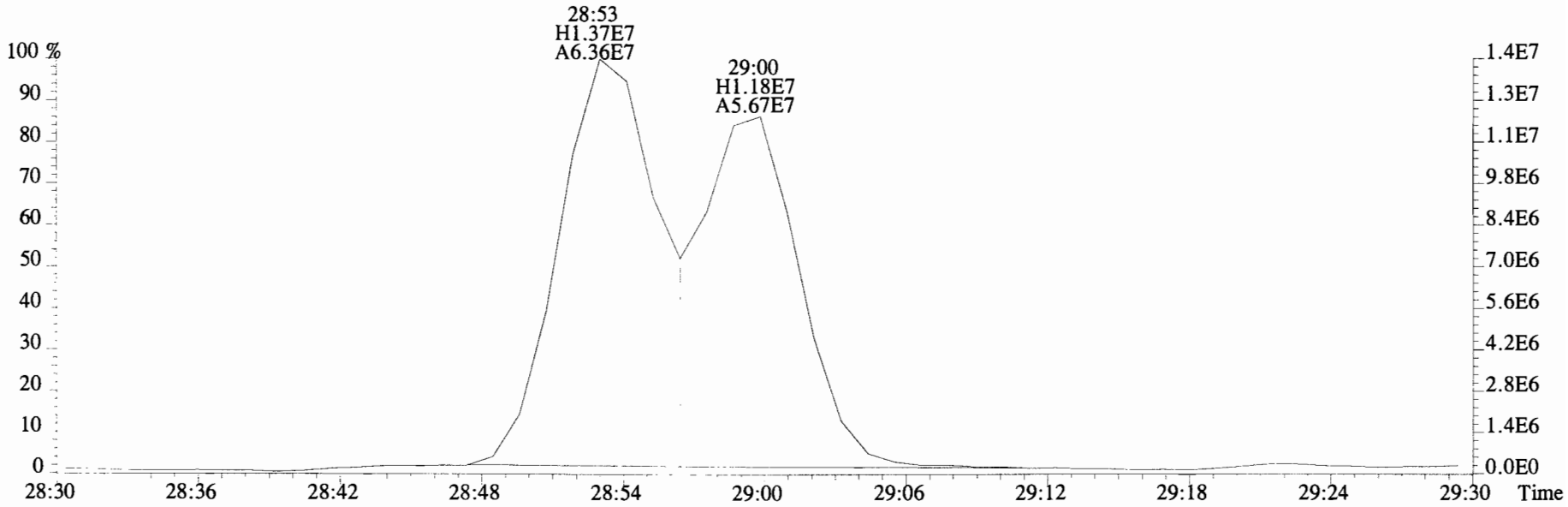

330.9792 S:7 F:3



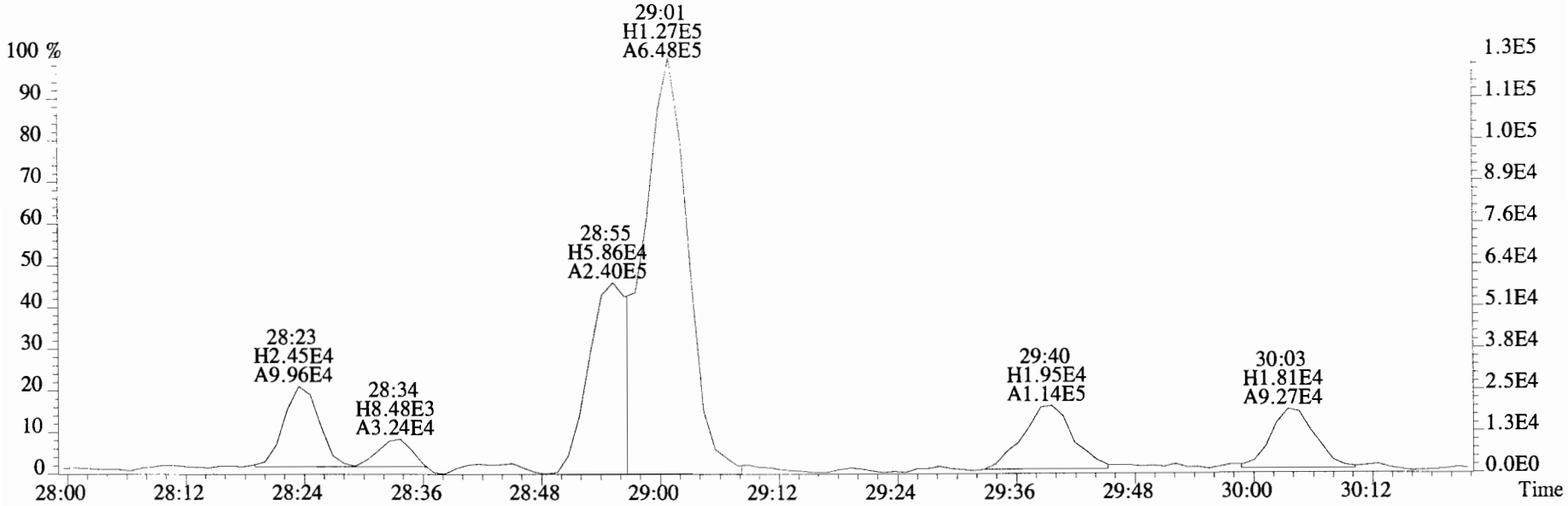
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
268.0016 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,122332.0,0.00%,F,F)



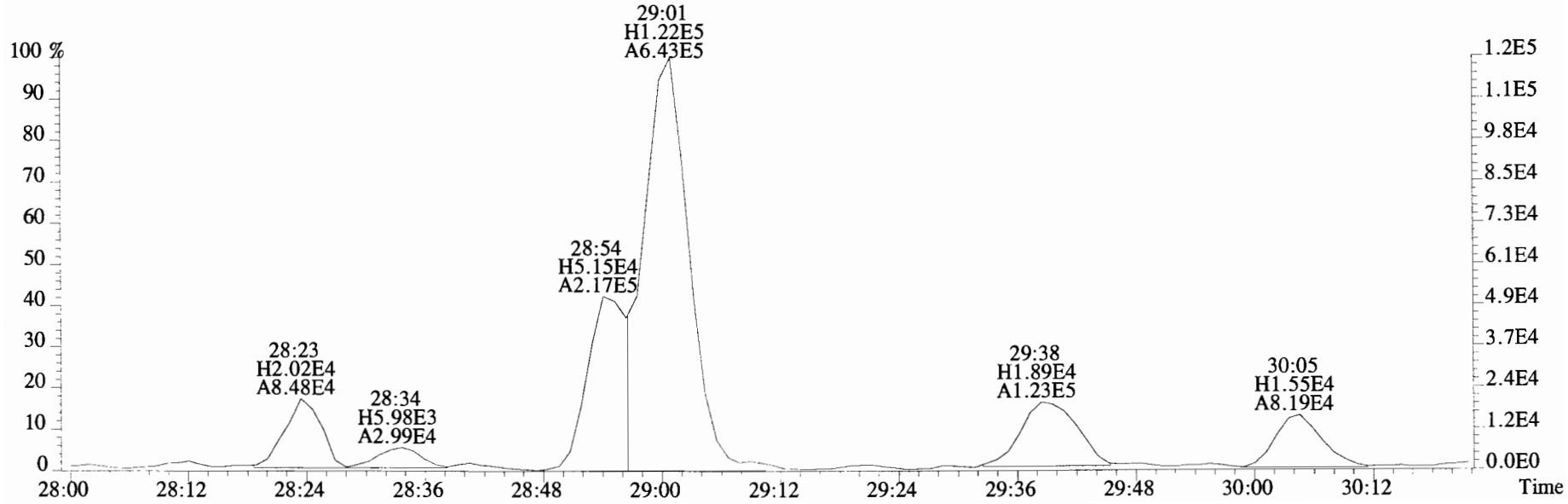

269.9986 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,223656.0,0.00%,F,F)



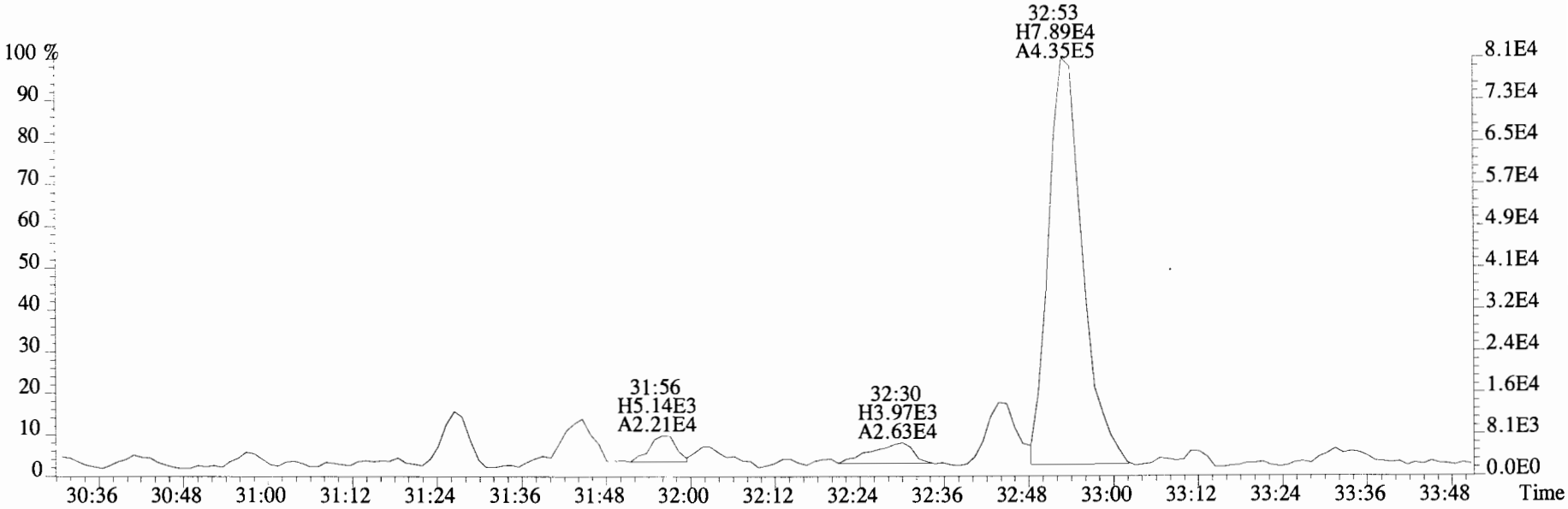
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
255.9613 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2824.0,0.00%,F,F)



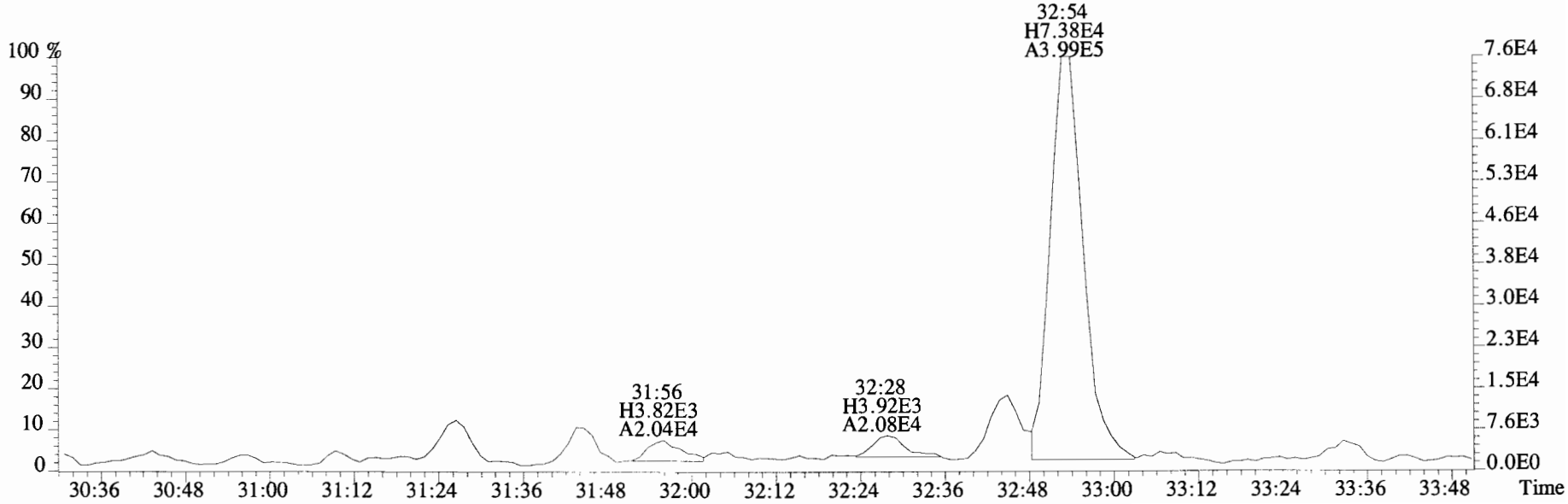

257.9584 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2280.0,0.00%,F,F)



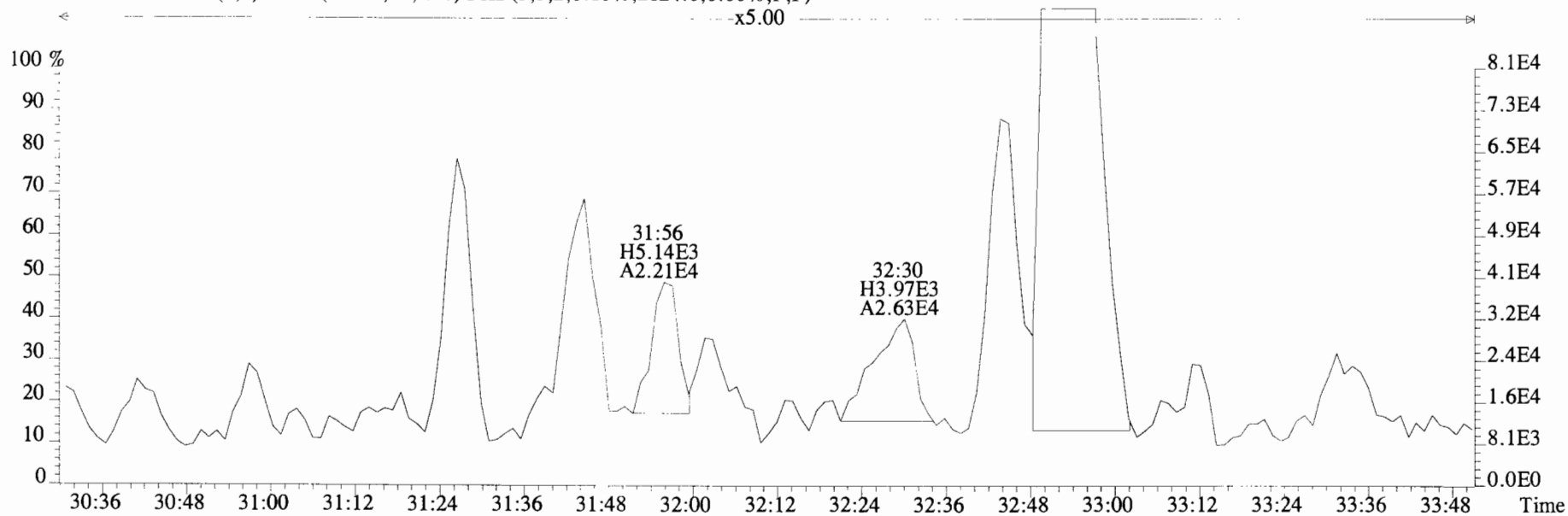
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
255.9613 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2824.0,0.00%,F,F)



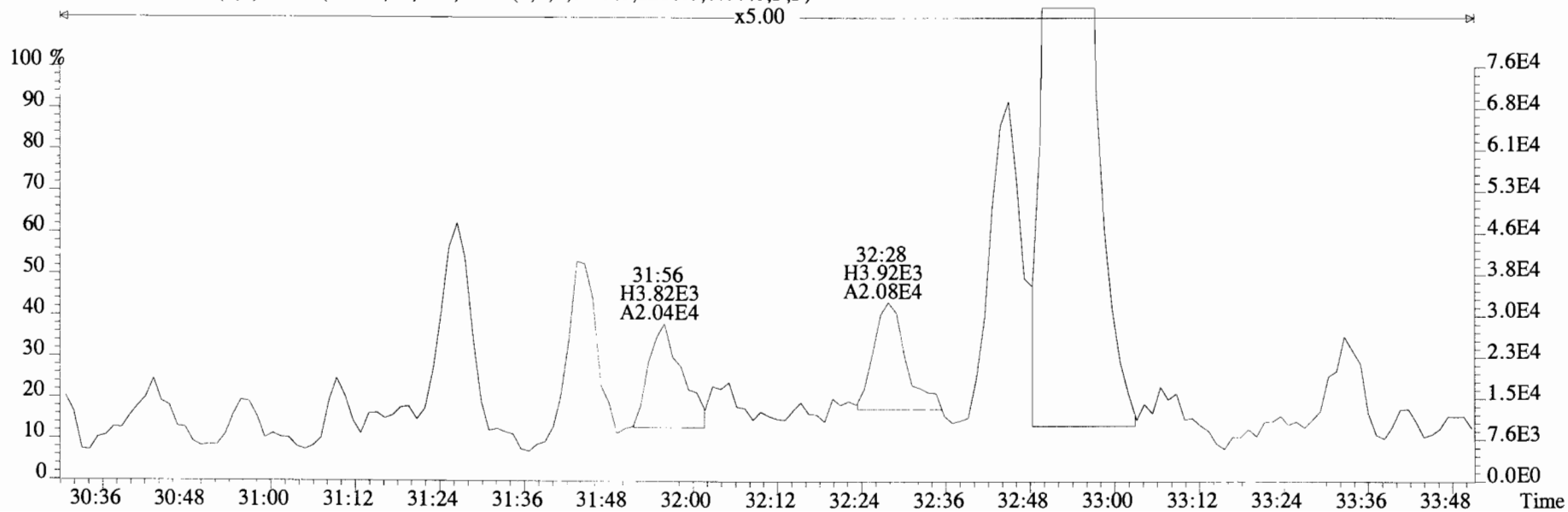

257.9584 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2280.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
255.9613 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2824.0,0.00%,F,F)

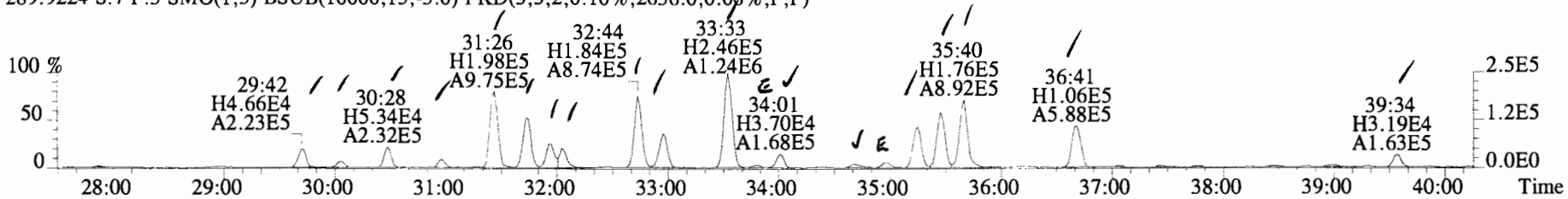



257.9584 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2280.0,0.00%,F,F)

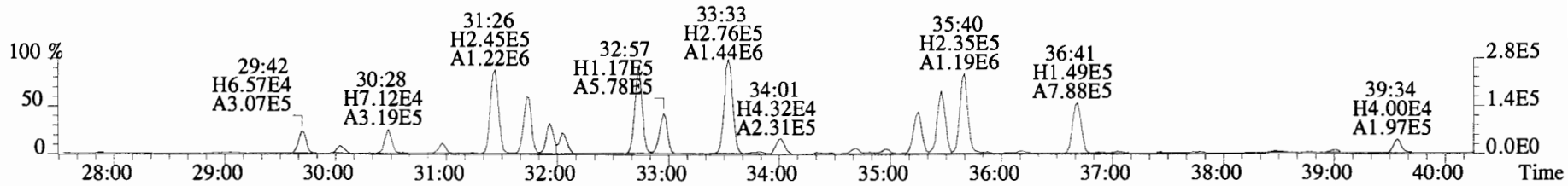


File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

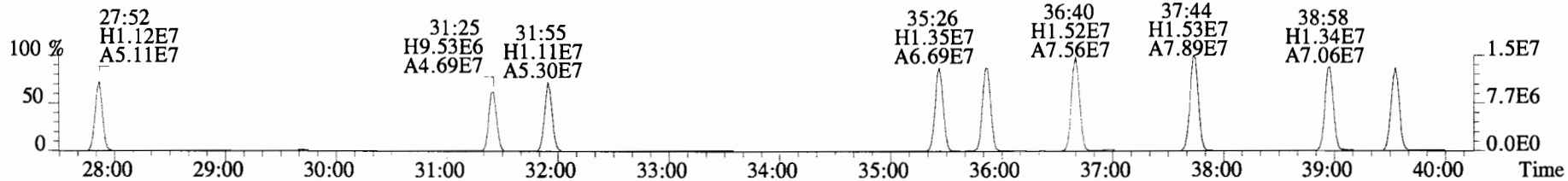
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



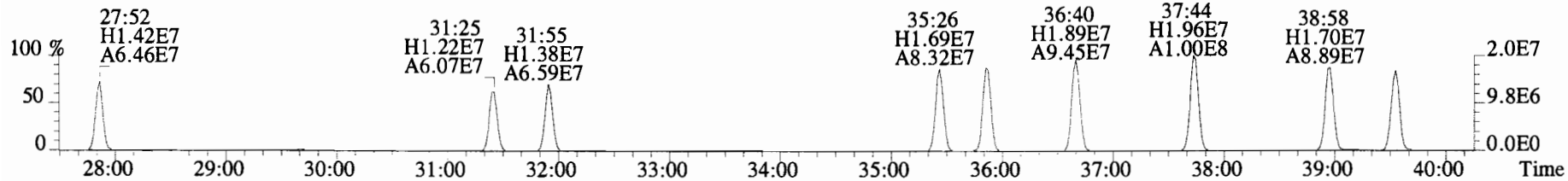

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



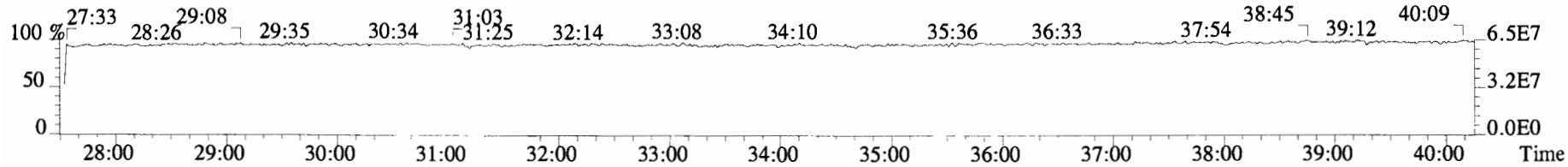

301.9626 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37132.0,0.00%,F,F)




303.9597 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20796.0,0.00%,F,F)

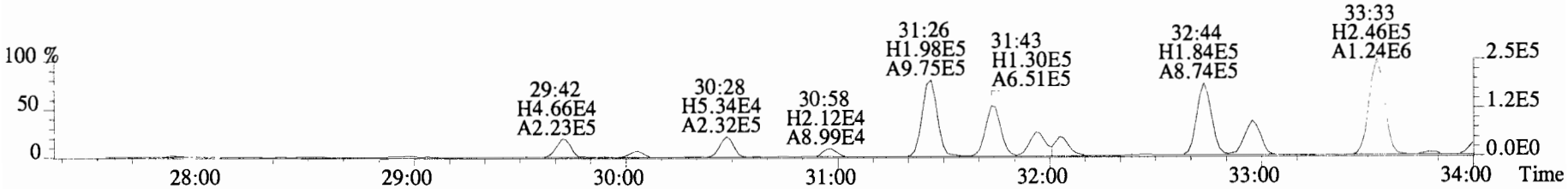



330.9792 S:7 F:3

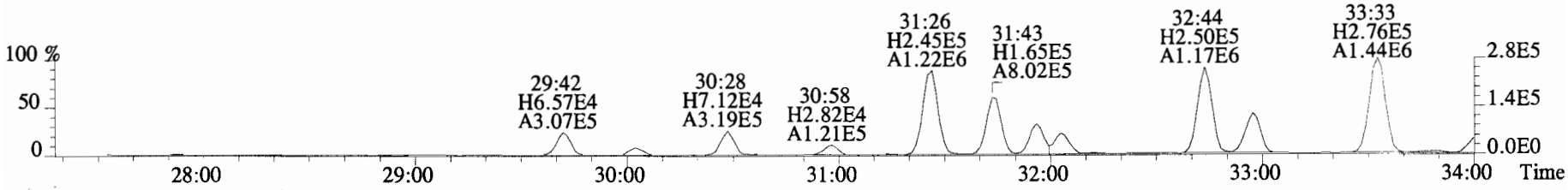


File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

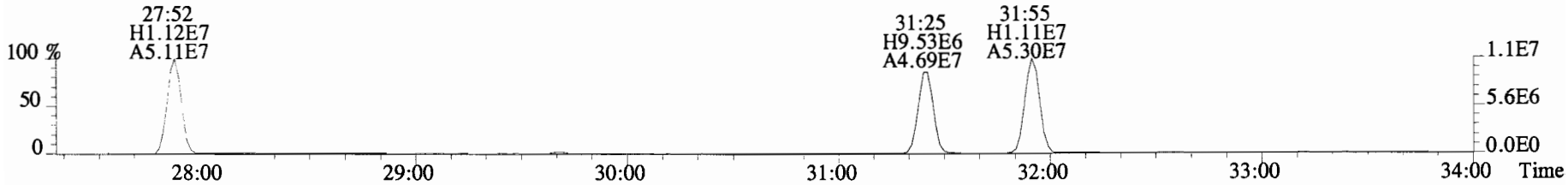
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



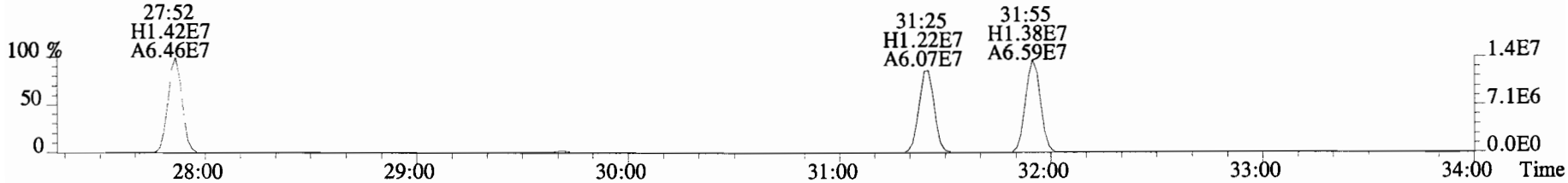

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



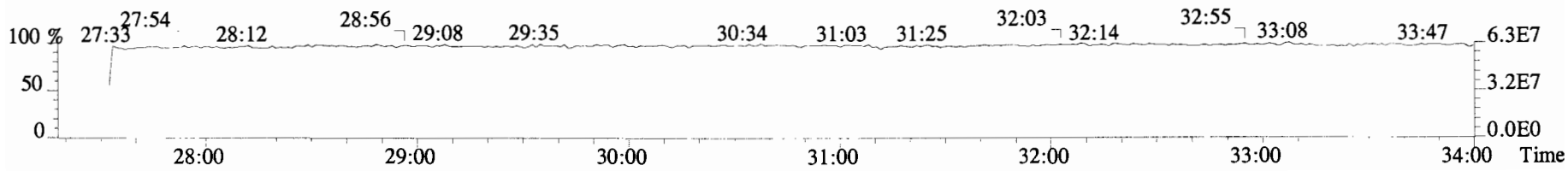

301.9626 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37132.0,0.00%,F,F)



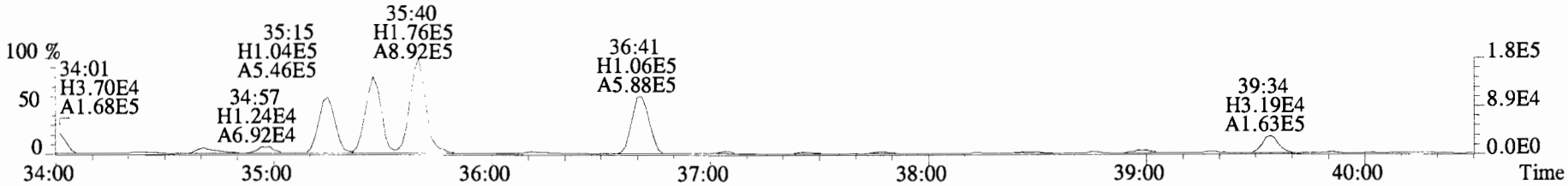

303.9597 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20796.0,0.00%,F,F)



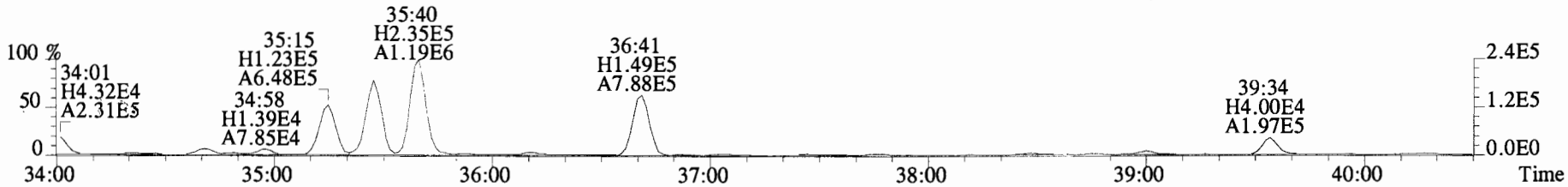

330.9792 S:7 F:3



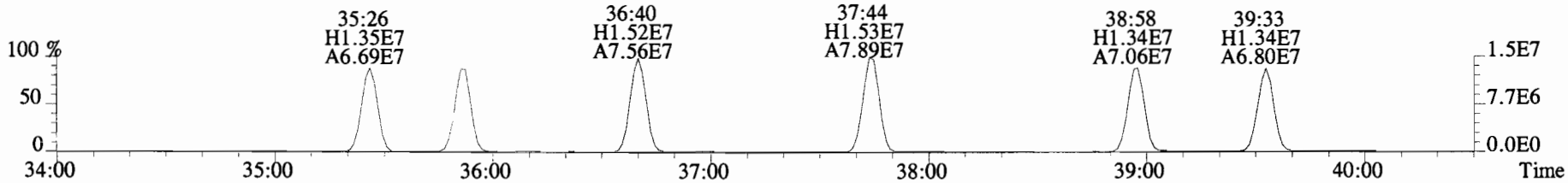
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



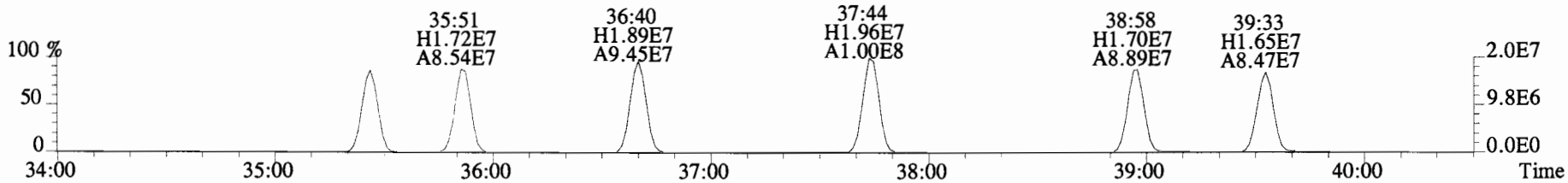

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



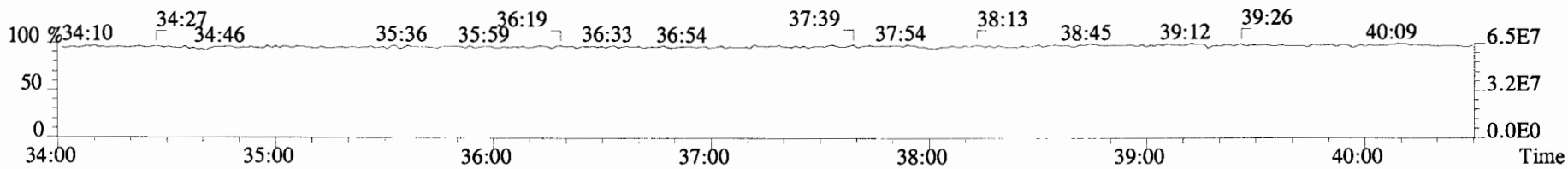

301.9626 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37132.0,0.00%,F,F)




303.9597 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20796.0,0.00%,F,F)

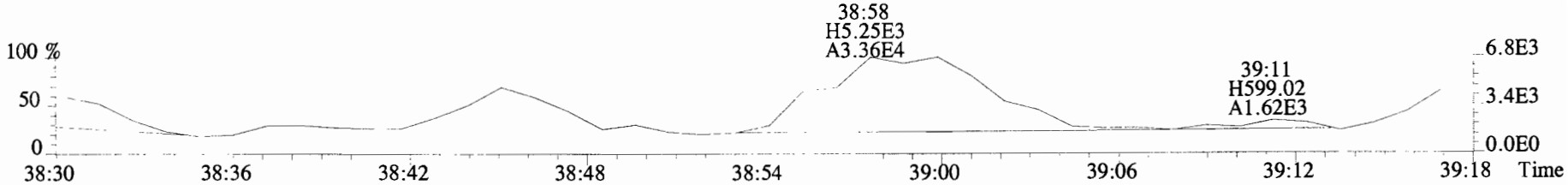



330.9792 S:7 F:3

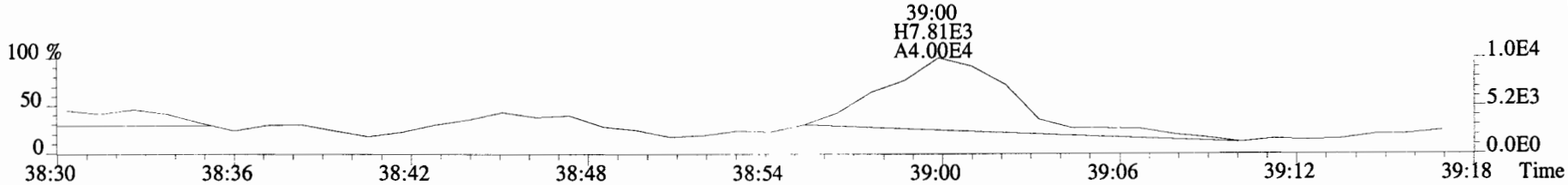


File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

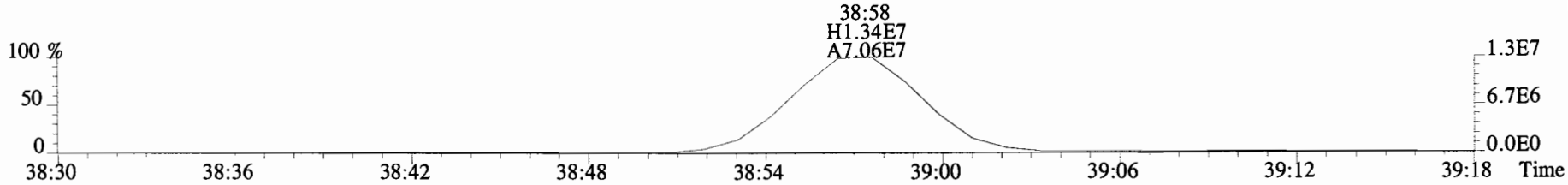
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



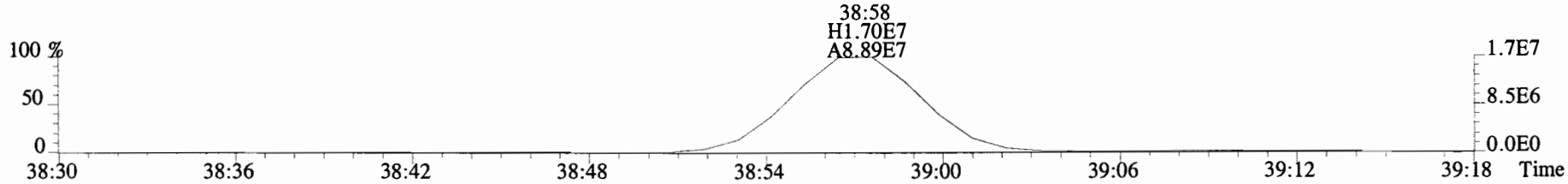

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



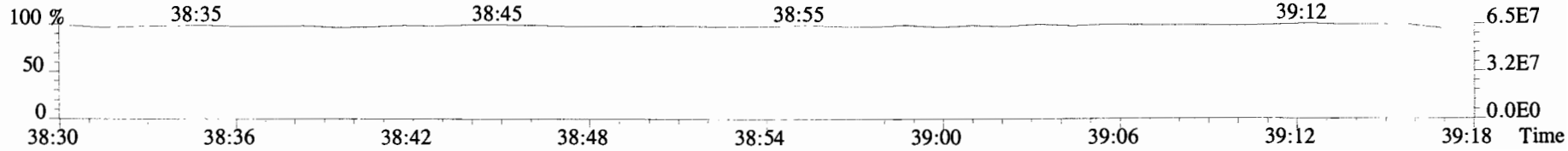

301.9626 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37132.0,0.00%,F,F)



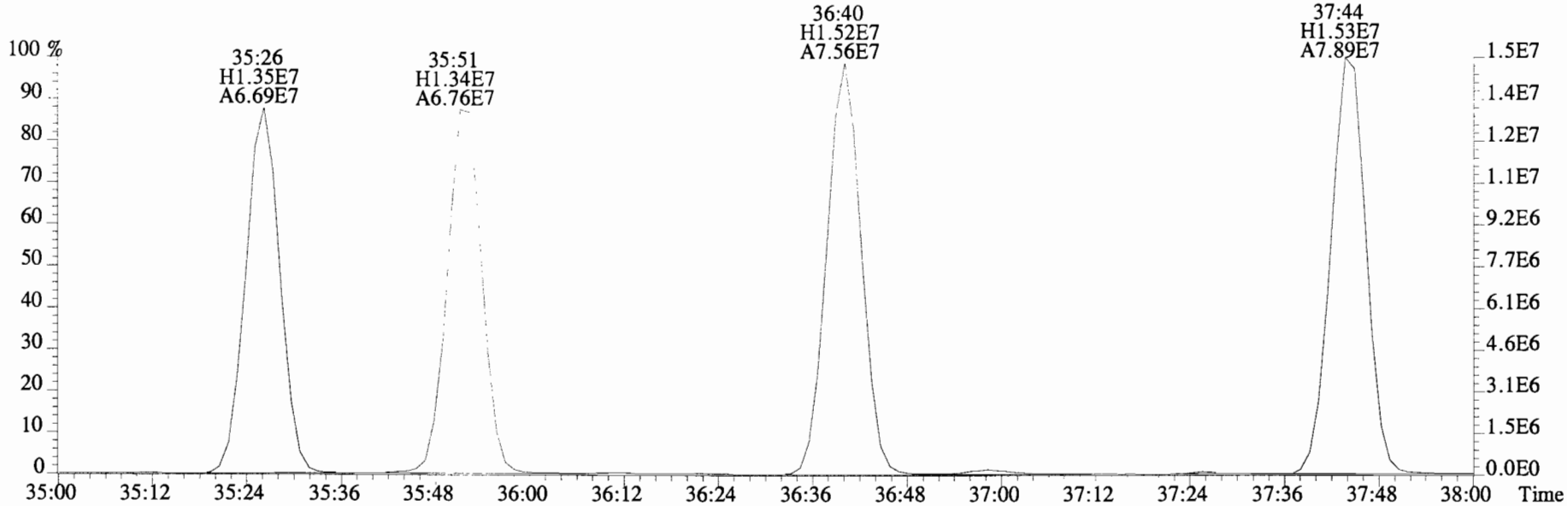

303.9597 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20796.0,0.00%,F,F)



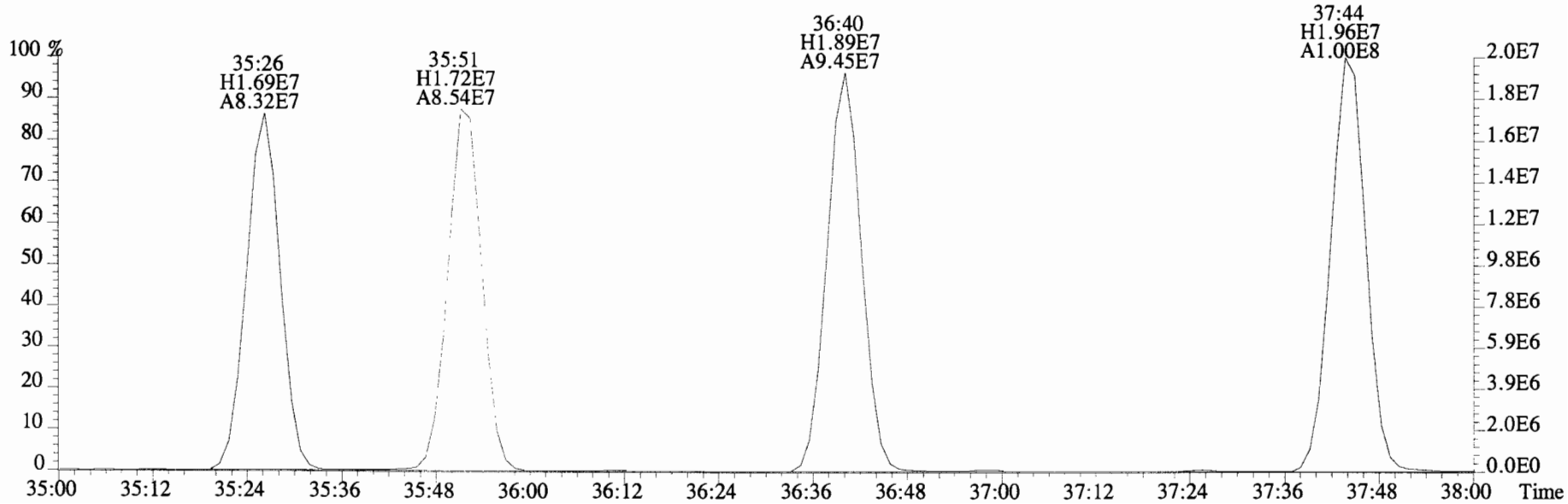

330.9792 S:7 F:3



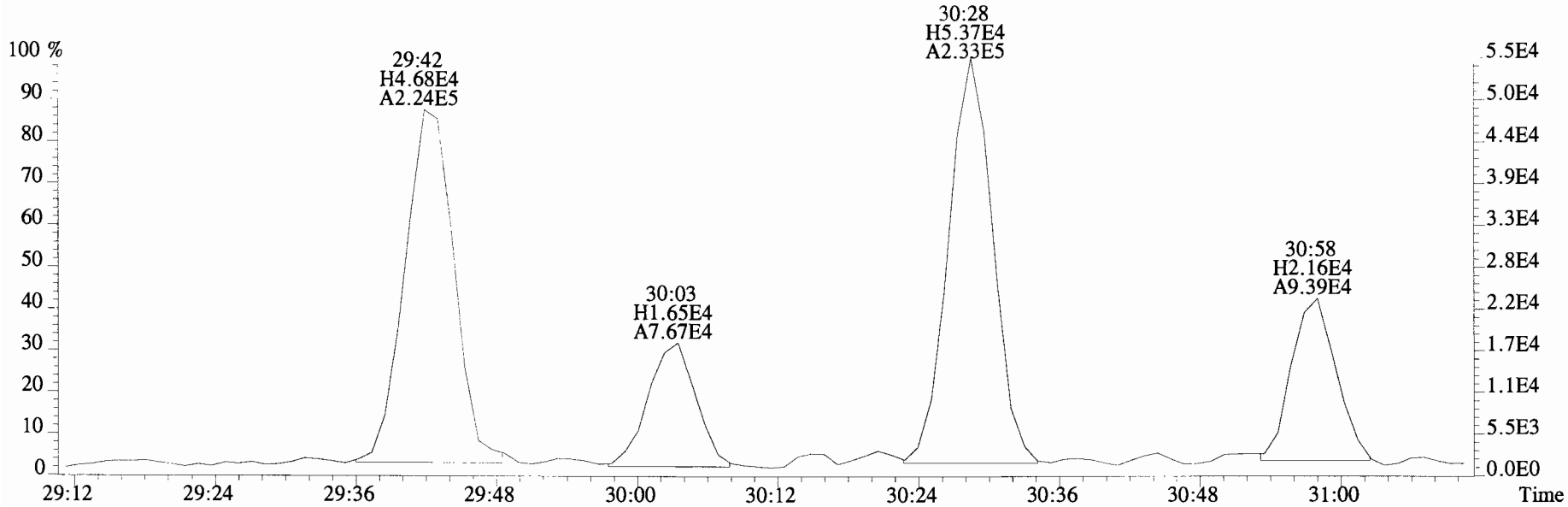
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
301.9626 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37132.0,0.00%,F,F)



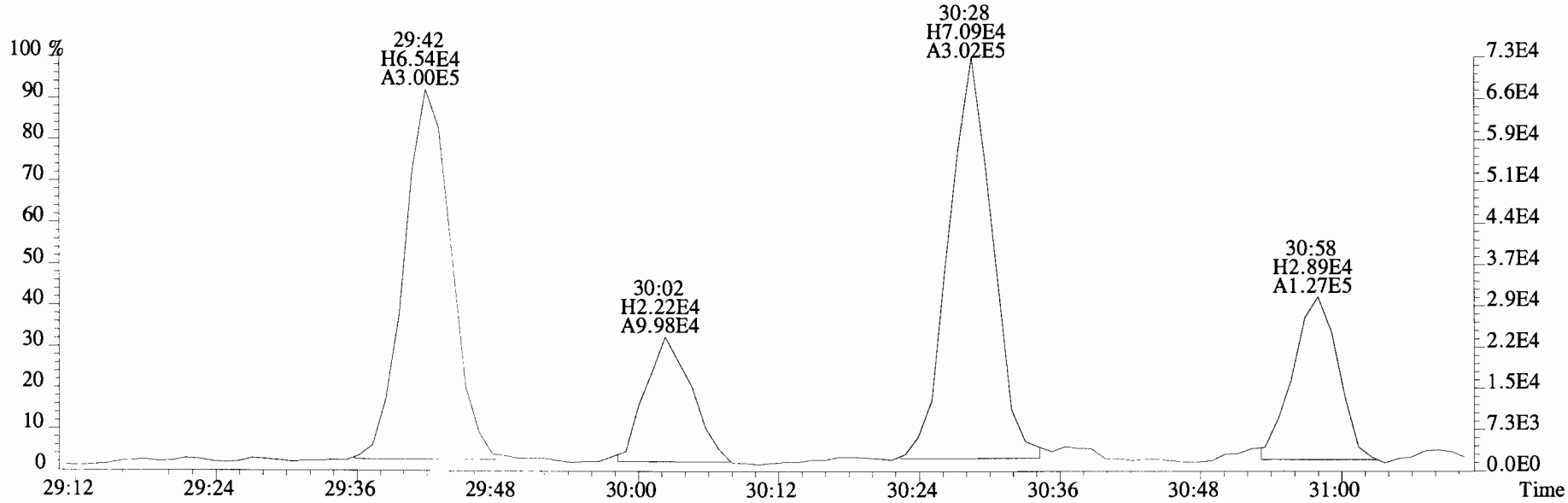

303.9597 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20796.0,0.00%,F,F)



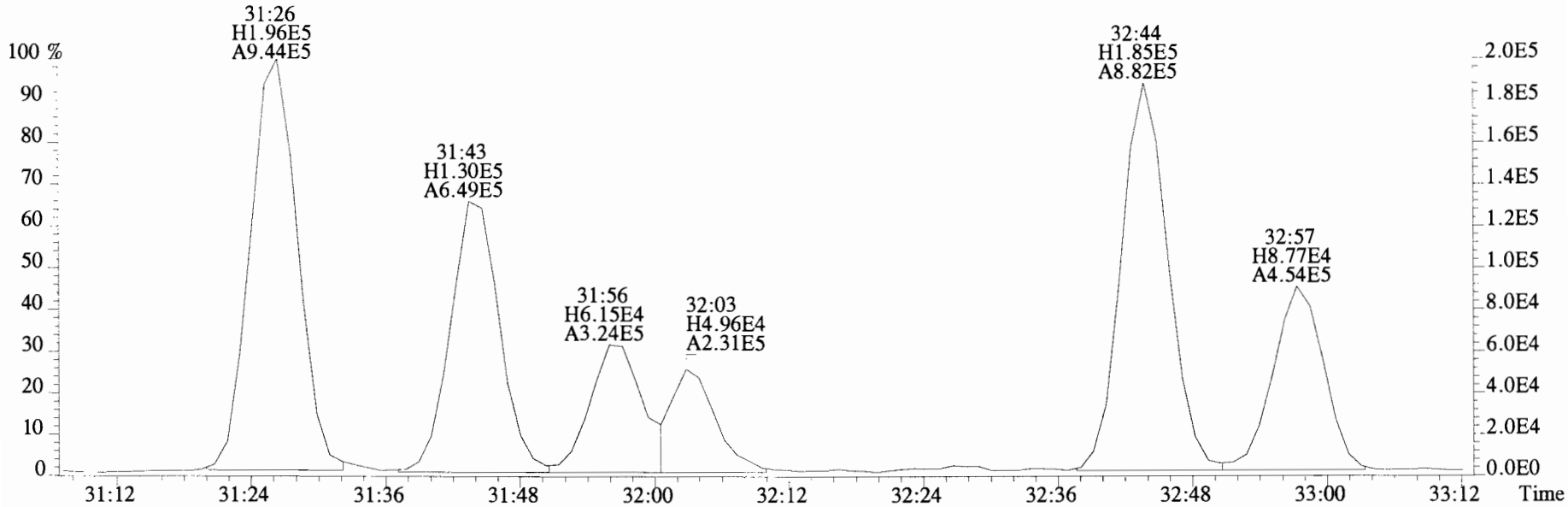
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



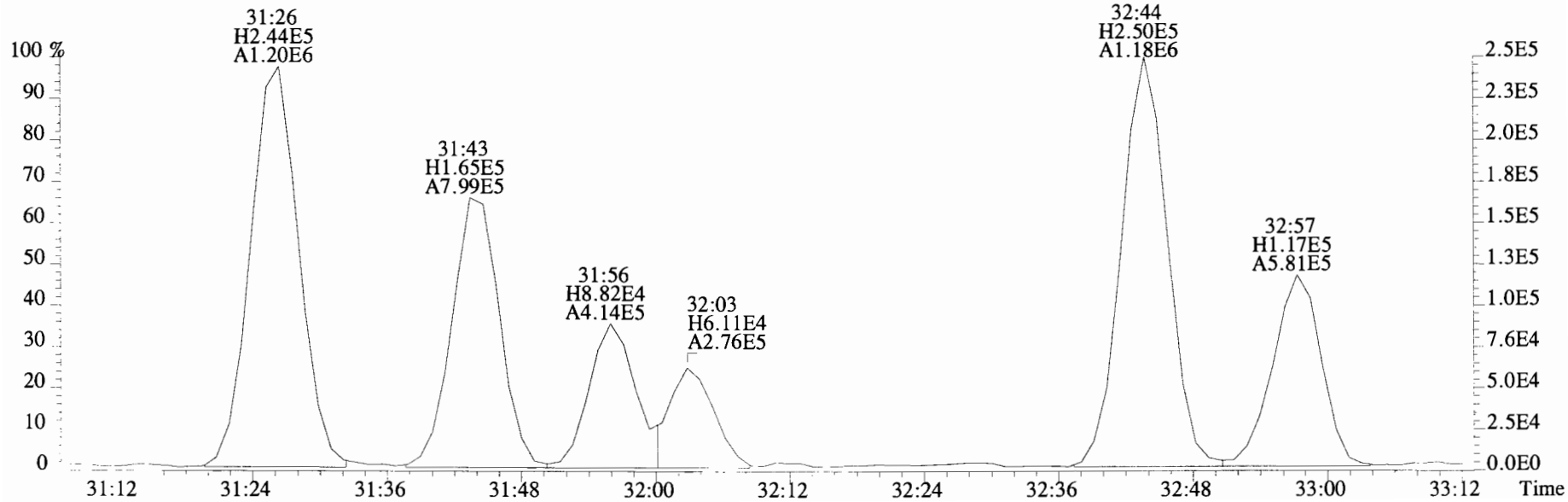

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



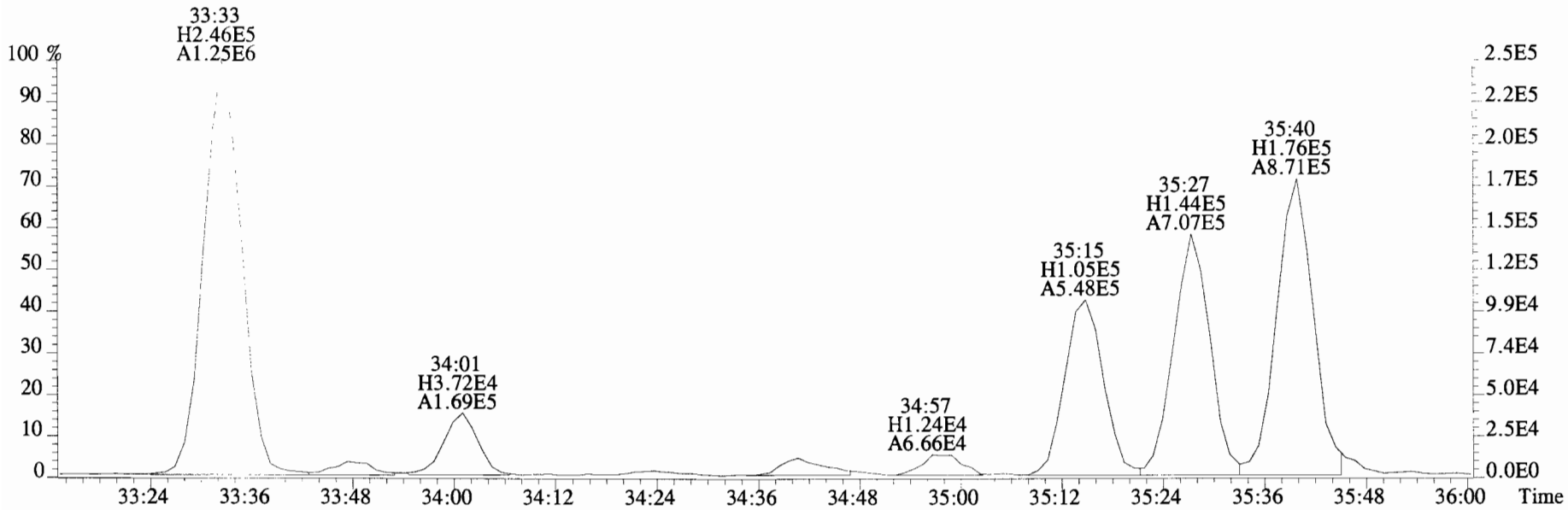
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



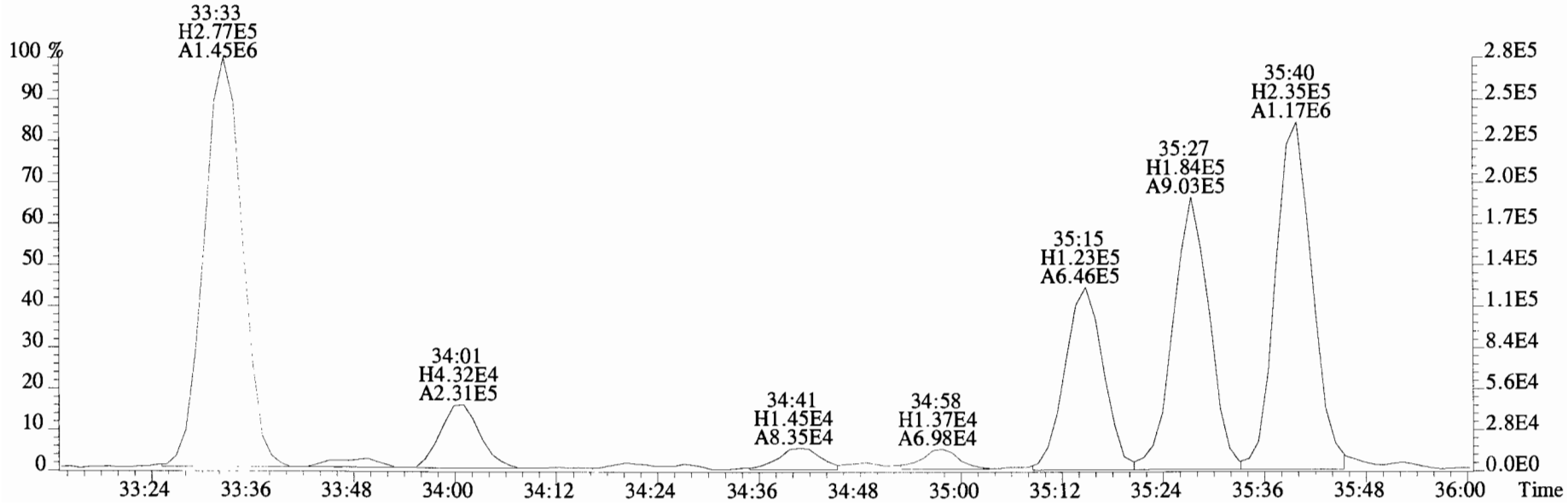

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



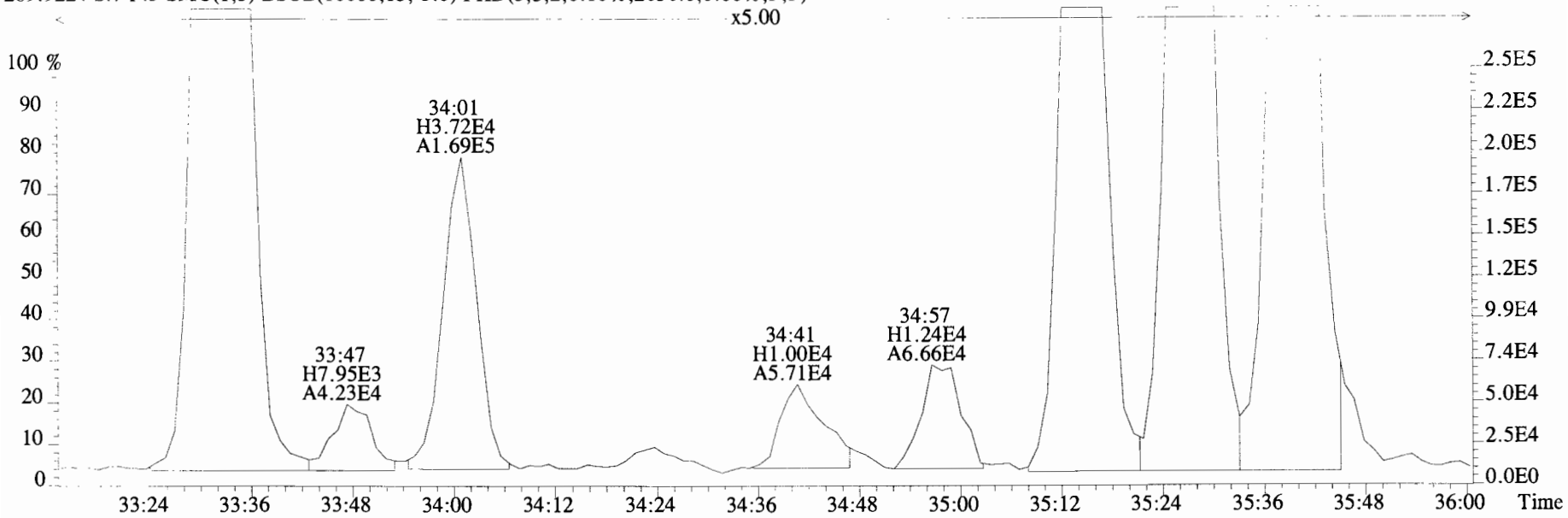
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



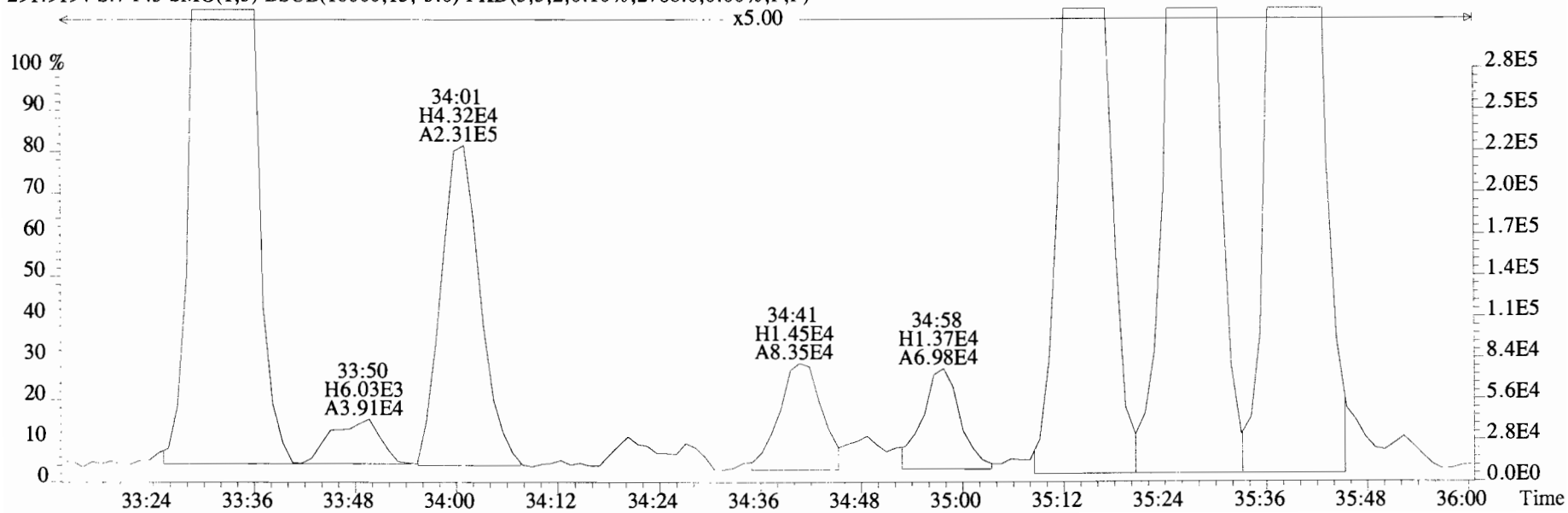

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



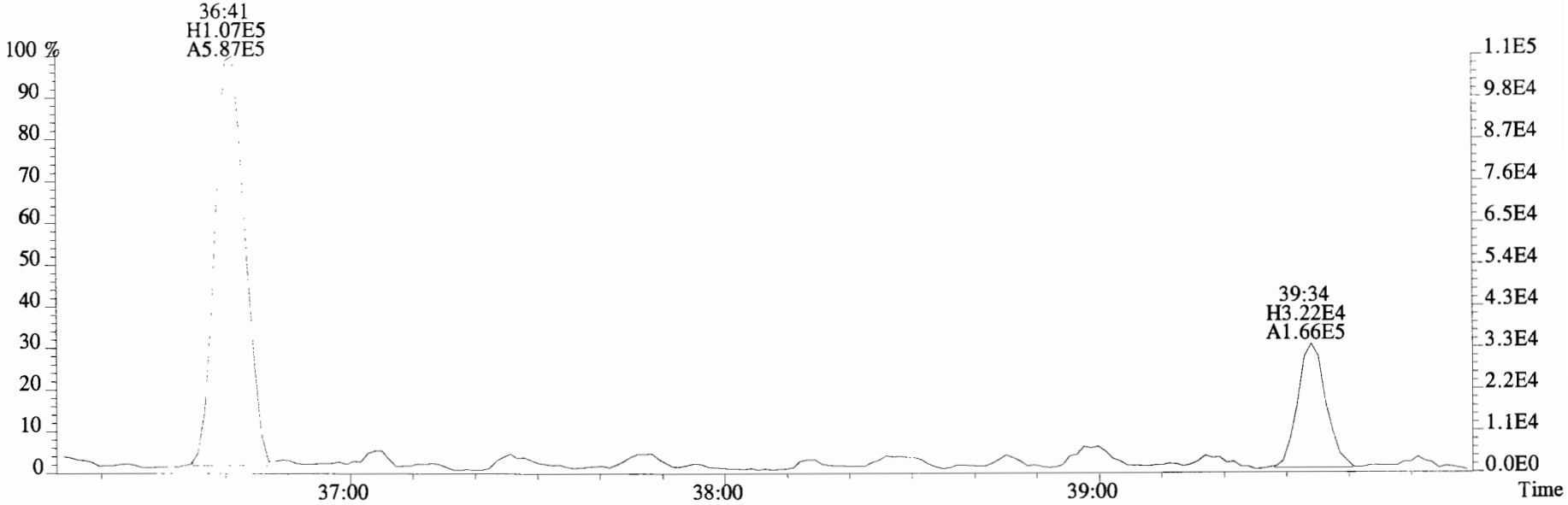
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)



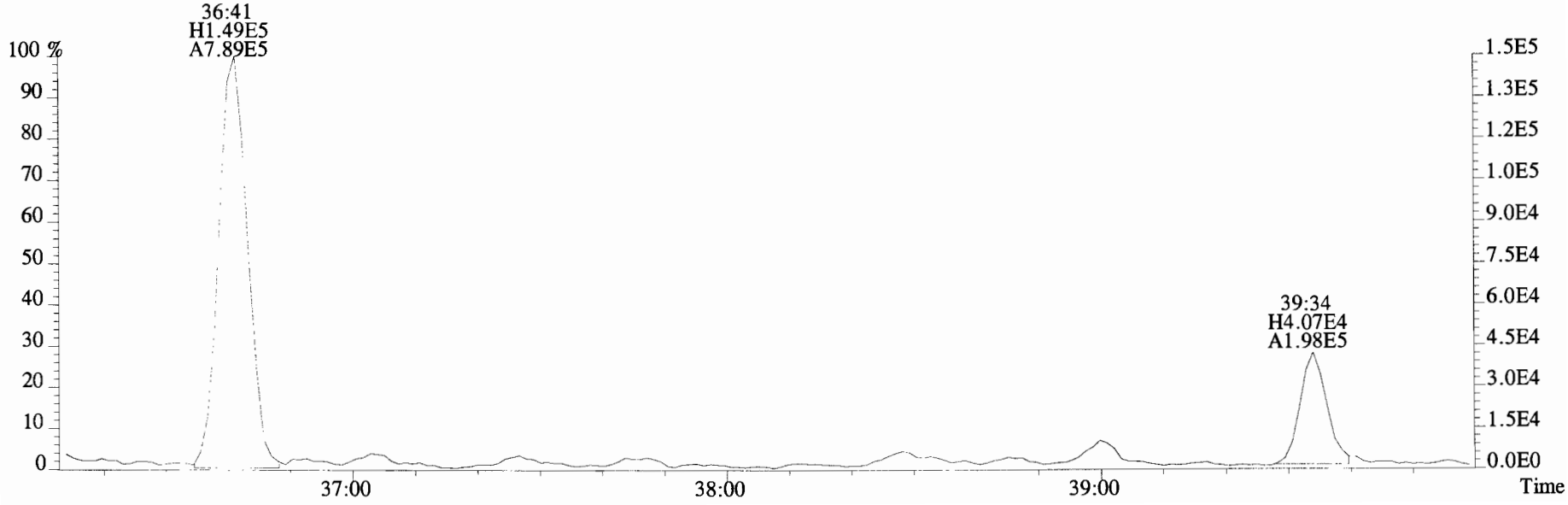

291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



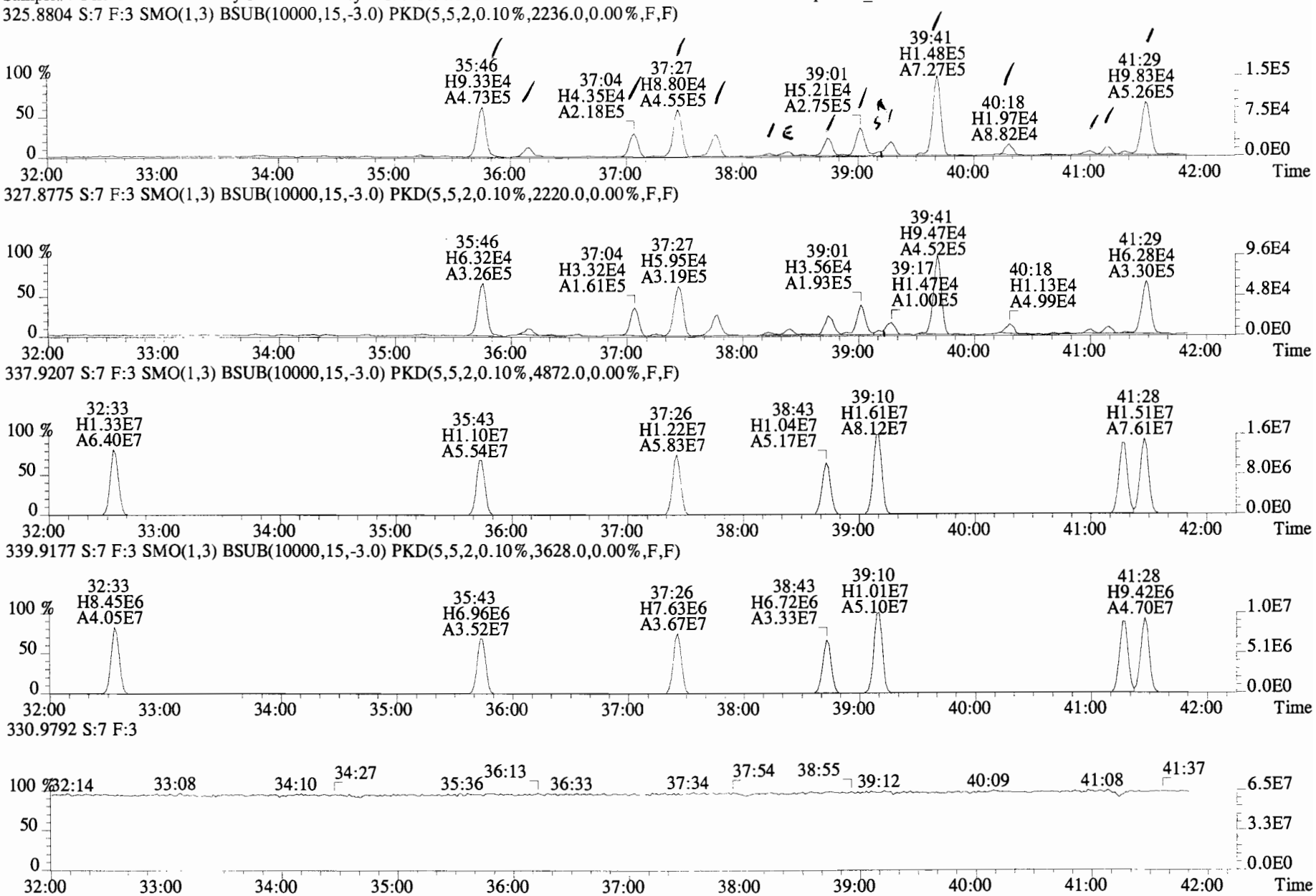
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
289.9224 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2636.0,0.00%,F,F)




291.9194 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)

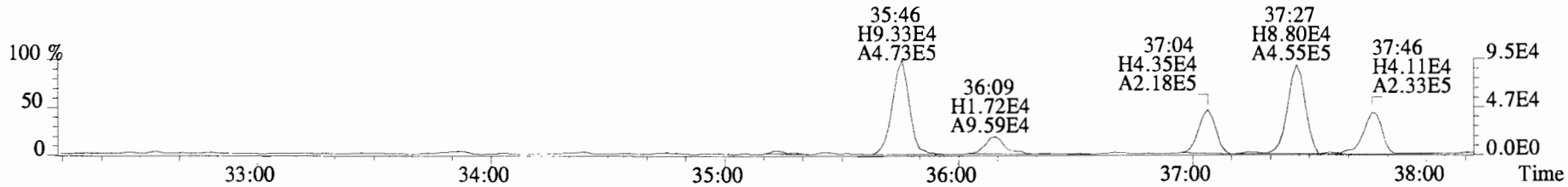


File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

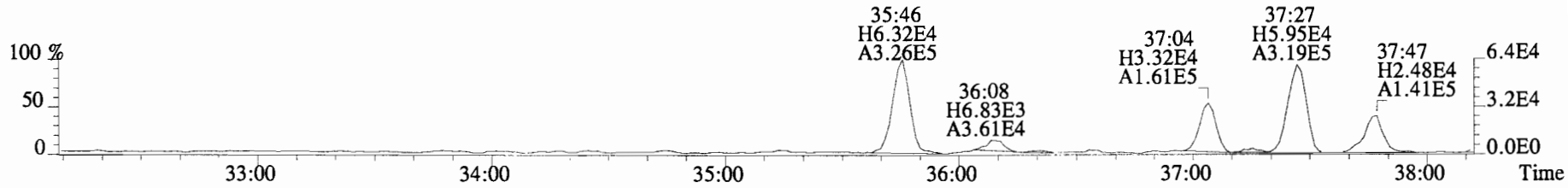


File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

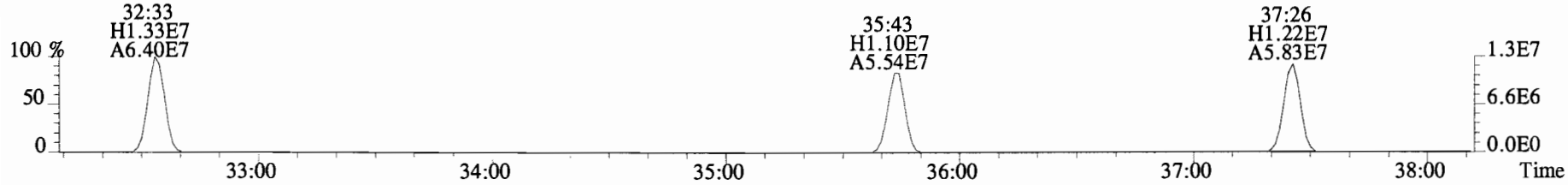
325.8804 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



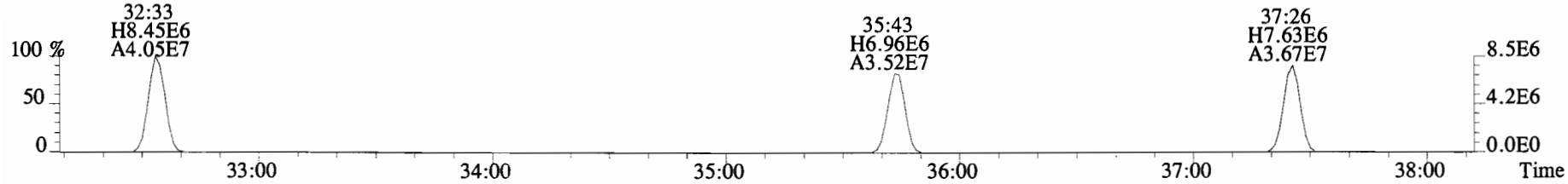

327.8775 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



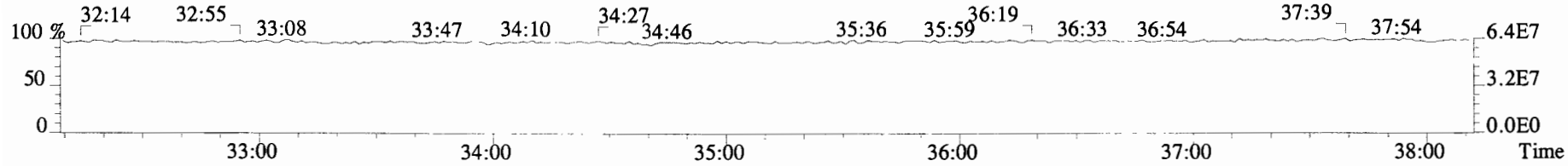

337.9207 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4872.0,0.00%,F,F)



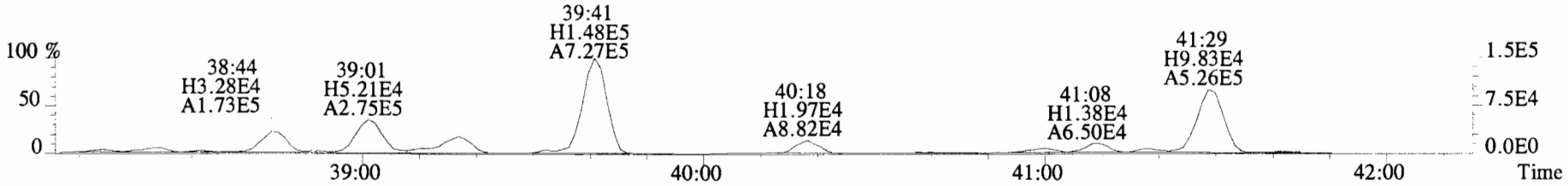

339.9177 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3628.0,0.00%,F,F)



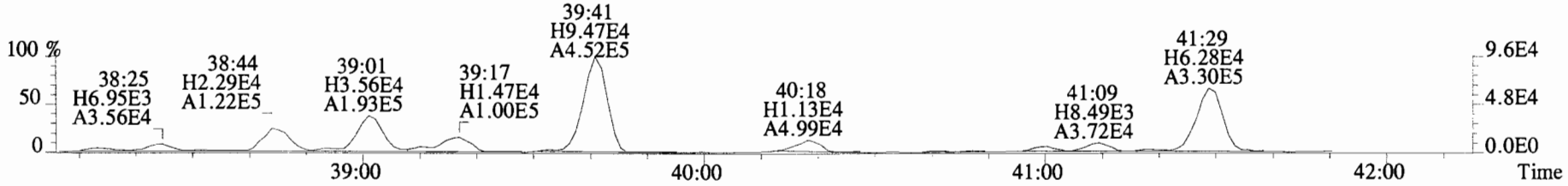

330.9792 S:7 F:3



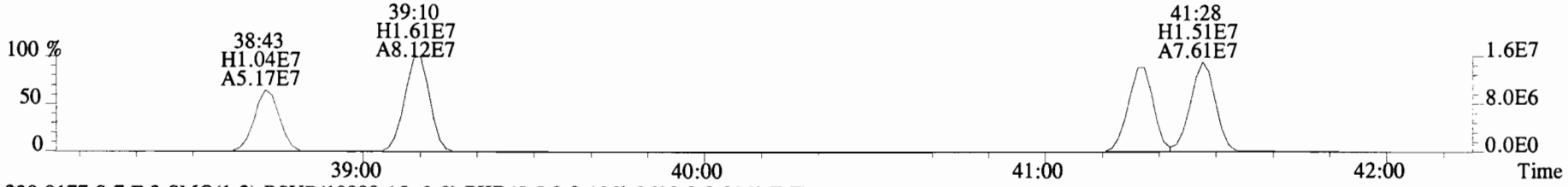
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



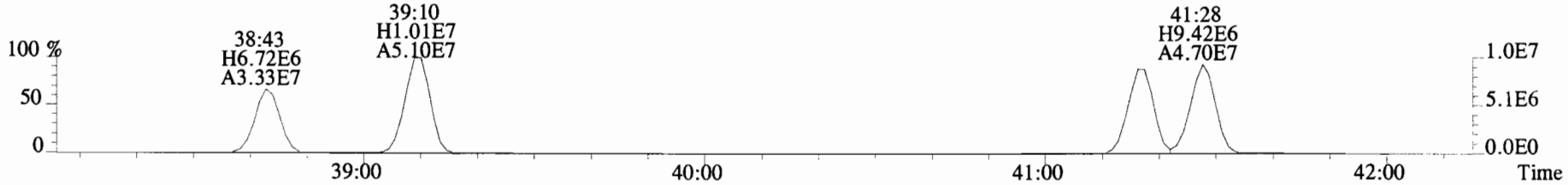

327.8775 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



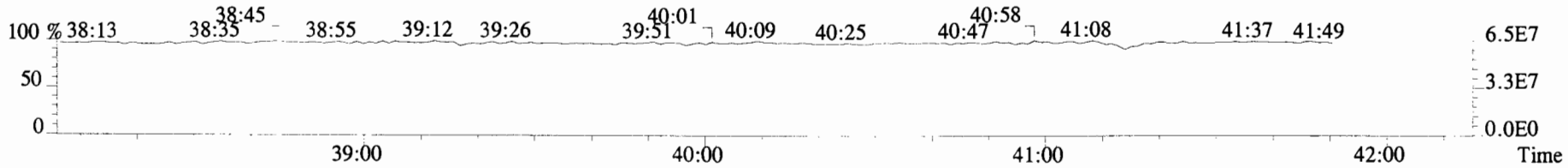

337.9207 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4872.0,0.00%,F,F)



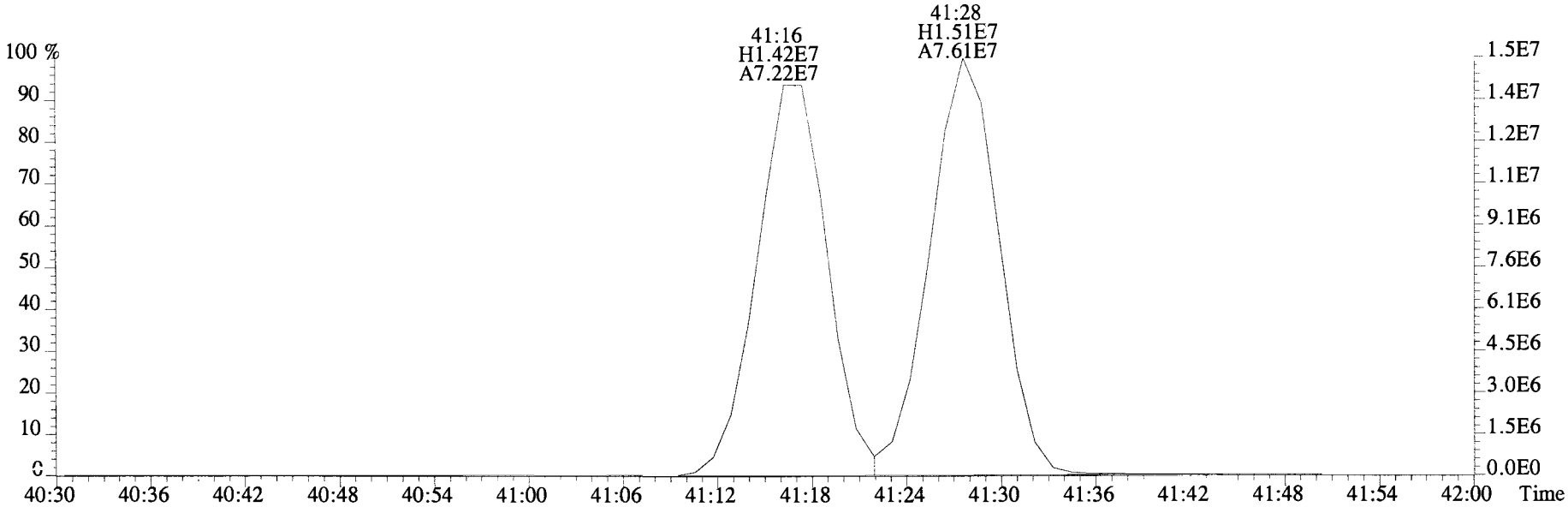

339.9177 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3628.0,0.00%,F,F)



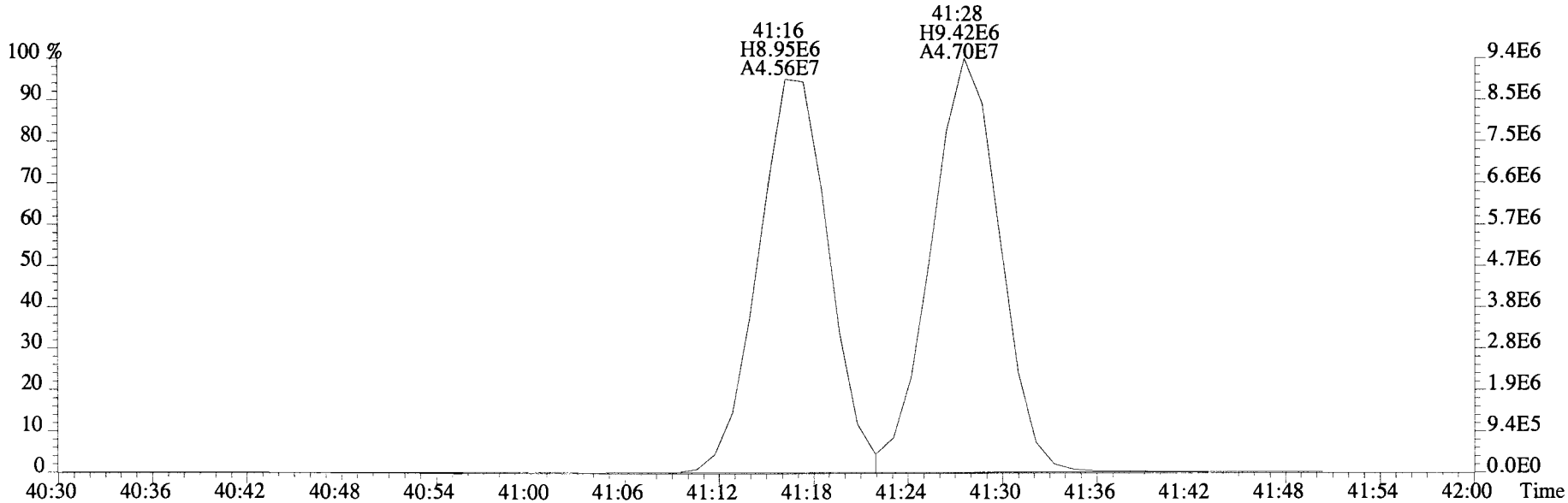

330.9792 S:7 F:3



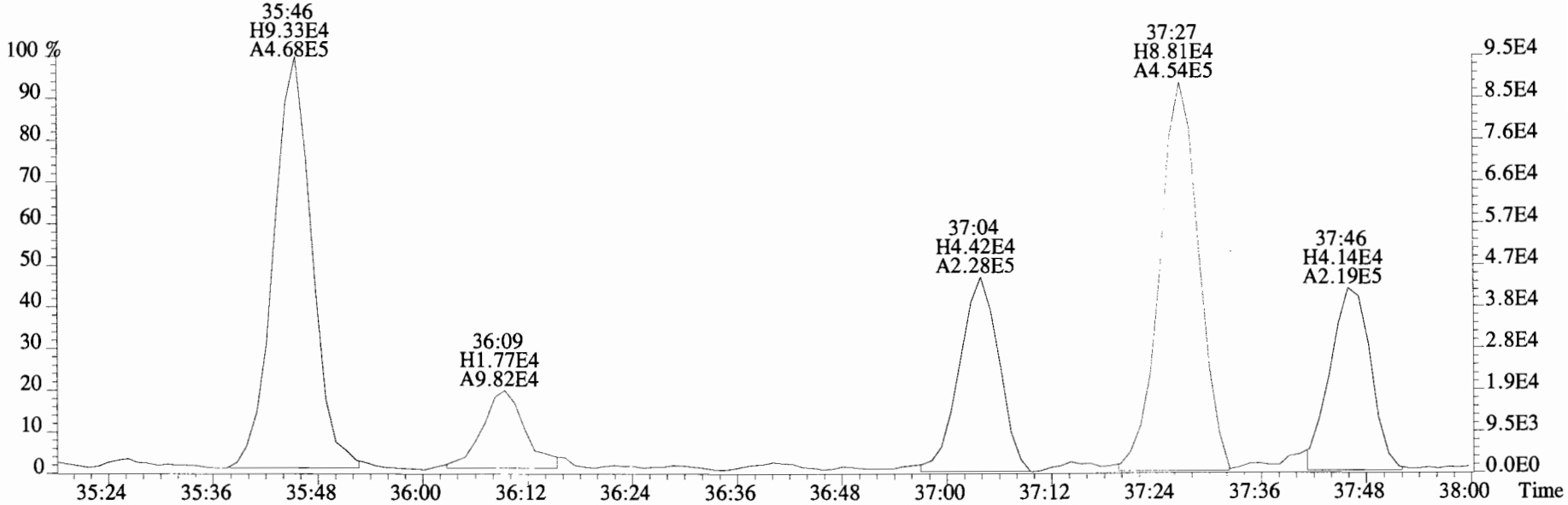
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
337.9207 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4872.0,0.00%,F,F)



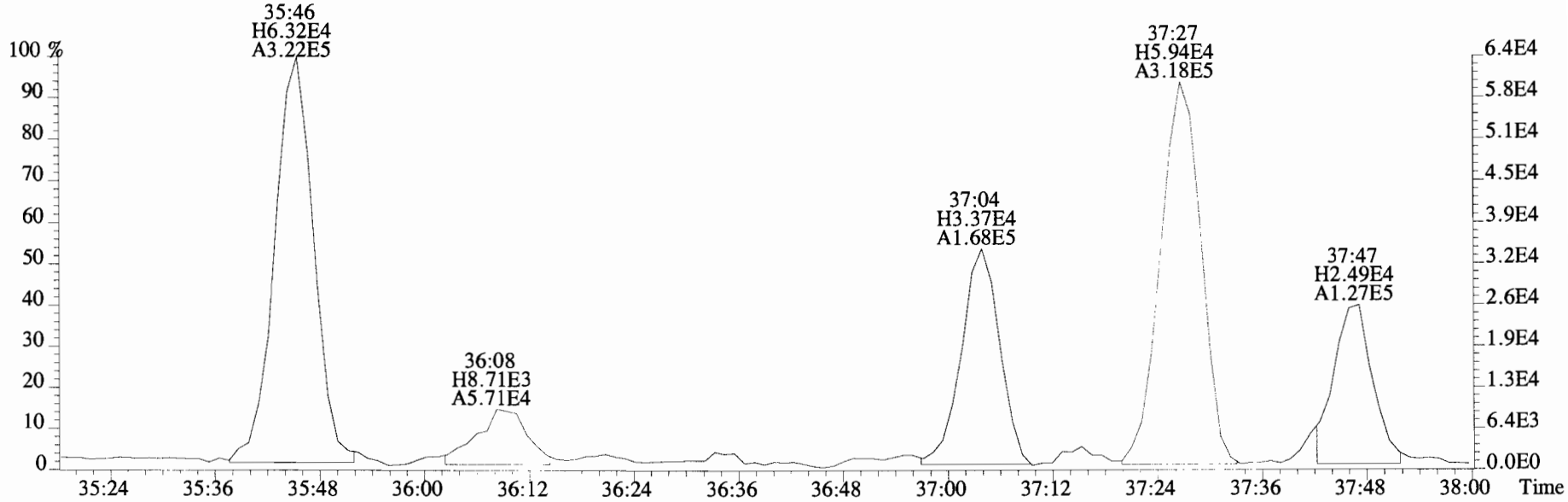

339.9177 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3628.0,0.00%,F,F)



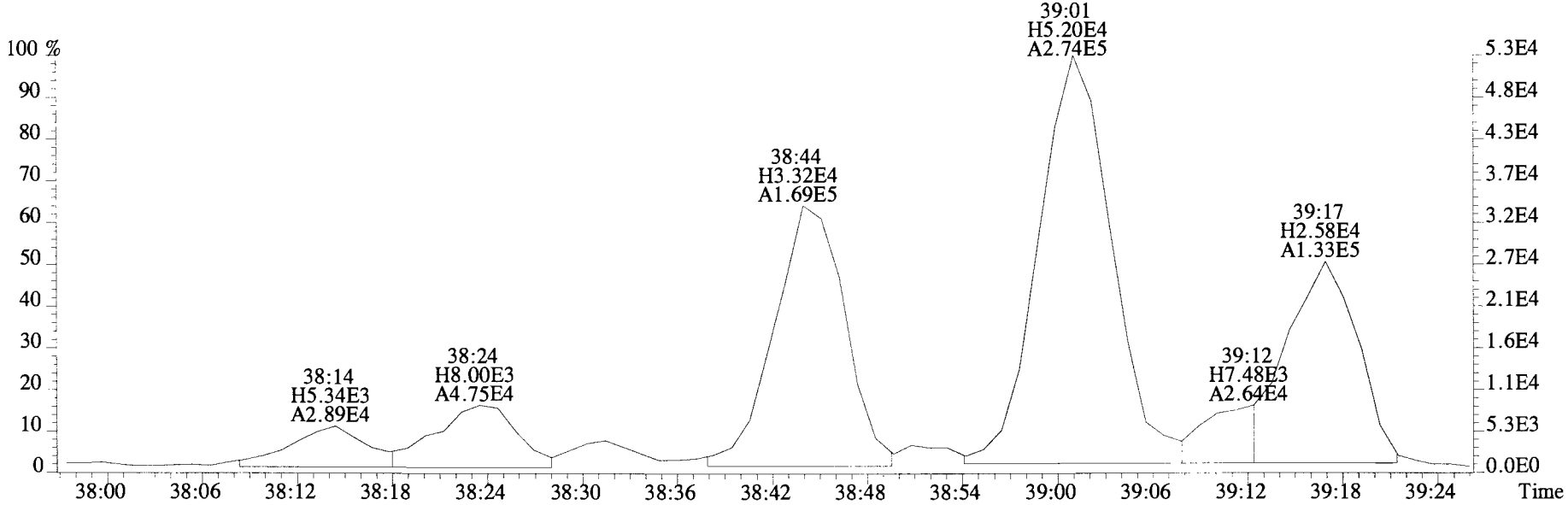
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



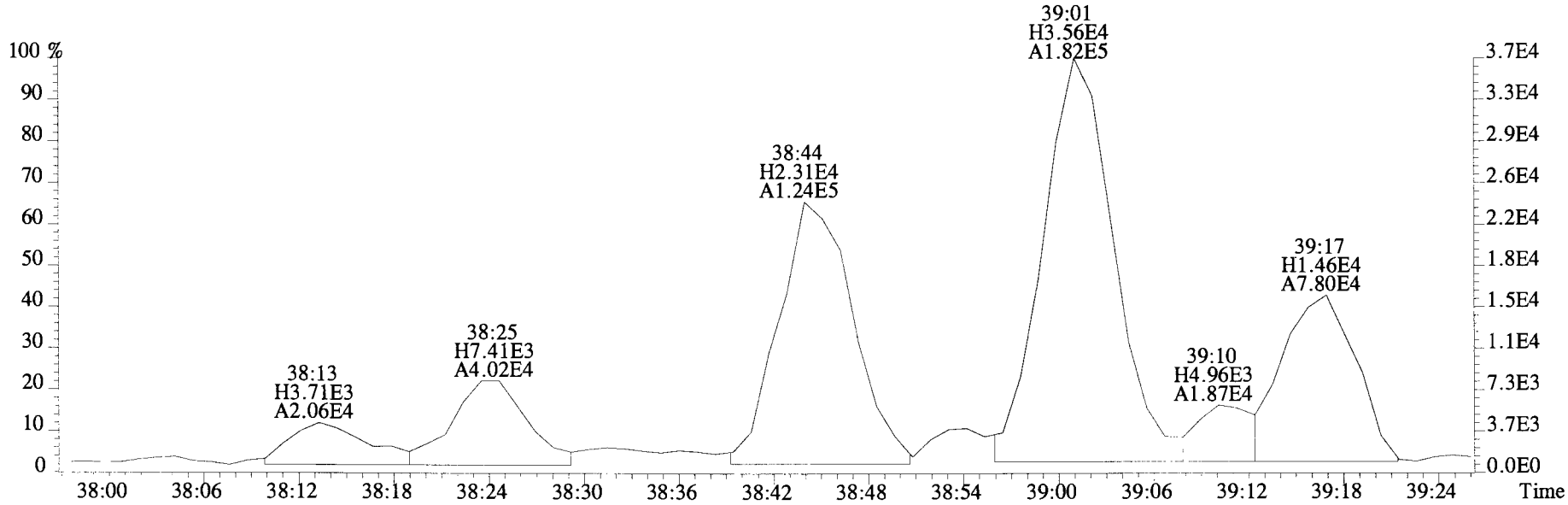

327.8775 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



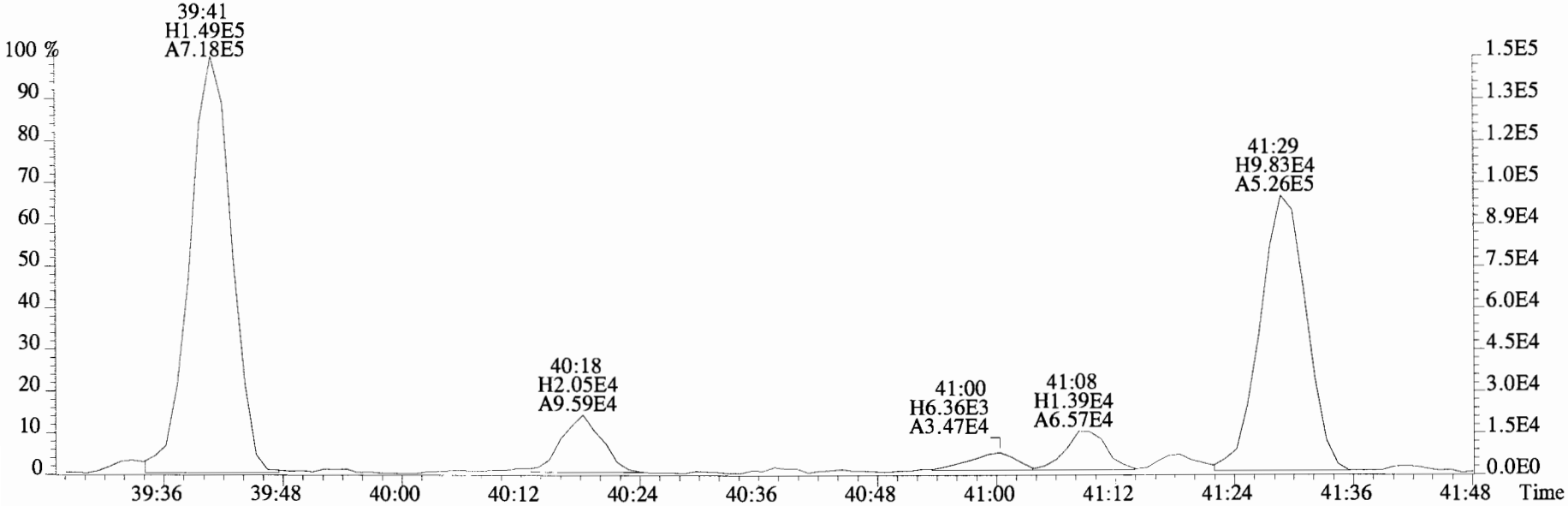
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



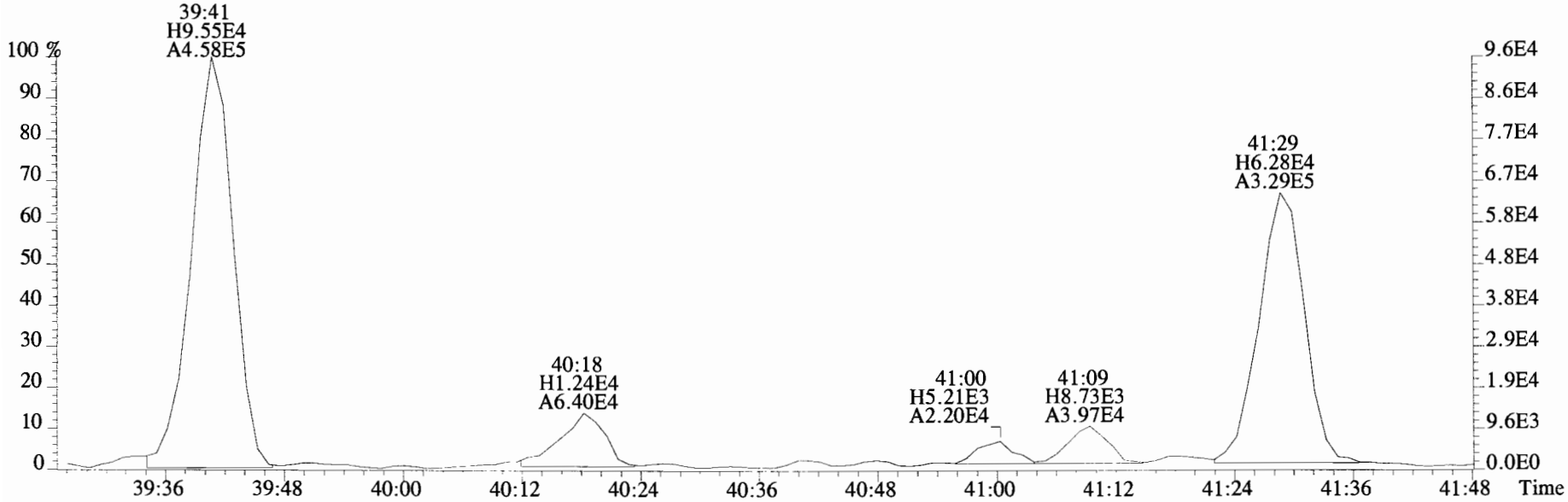

327.8775 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



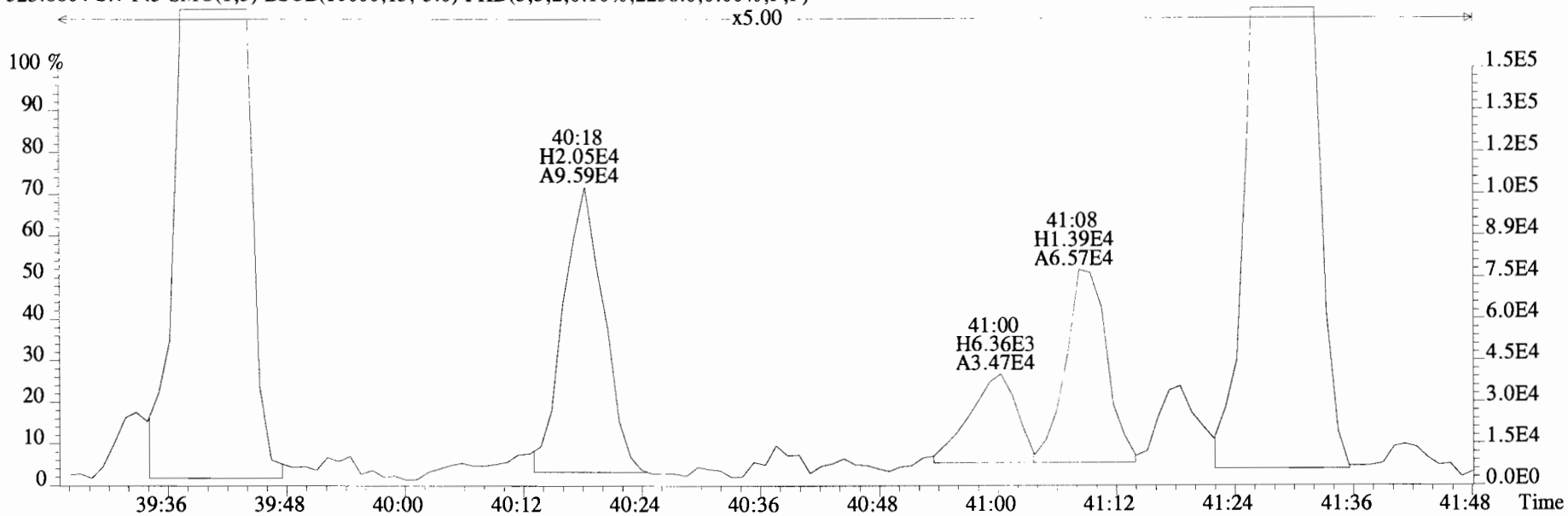
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



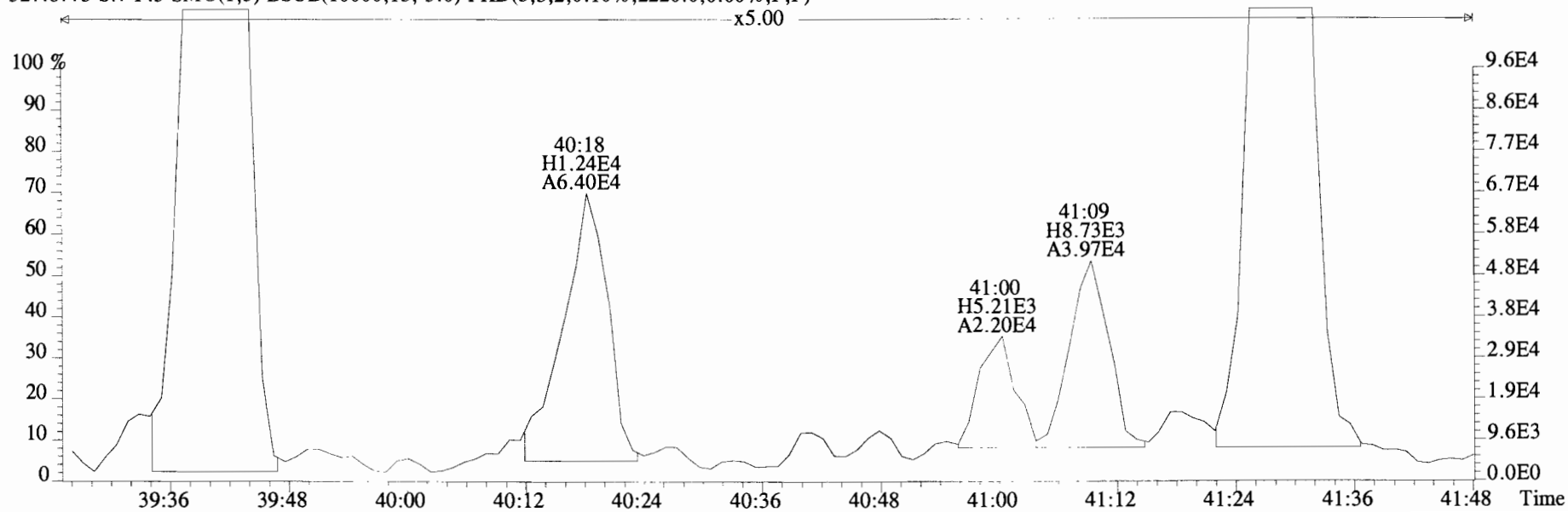

327.8775 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



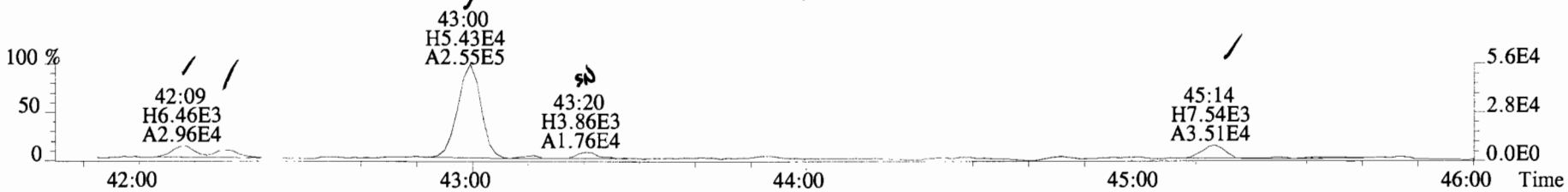
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



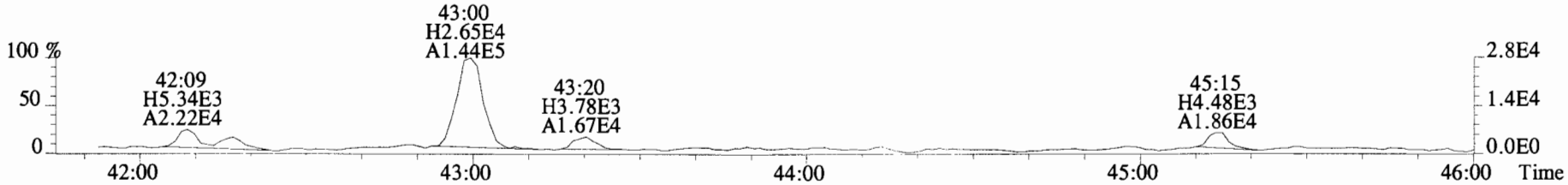

327.8775 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



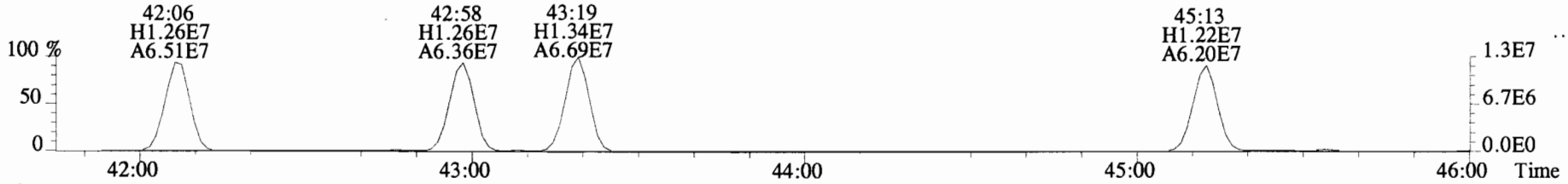
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



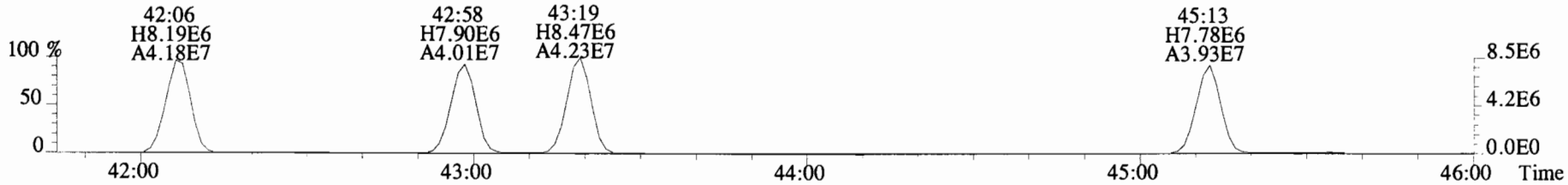

327.8775 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1840.0,0.00%,F,F)



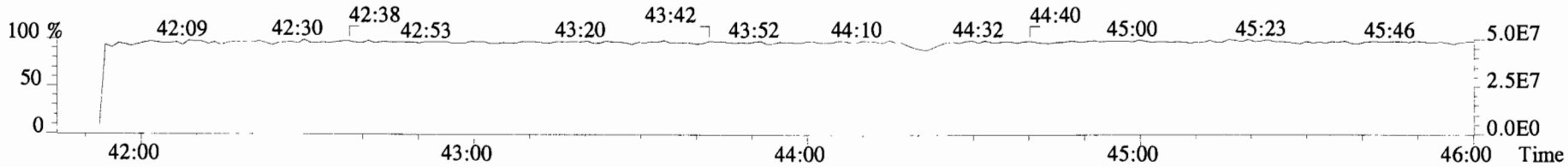

337.9207 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6748.0,0.00%,F,F)



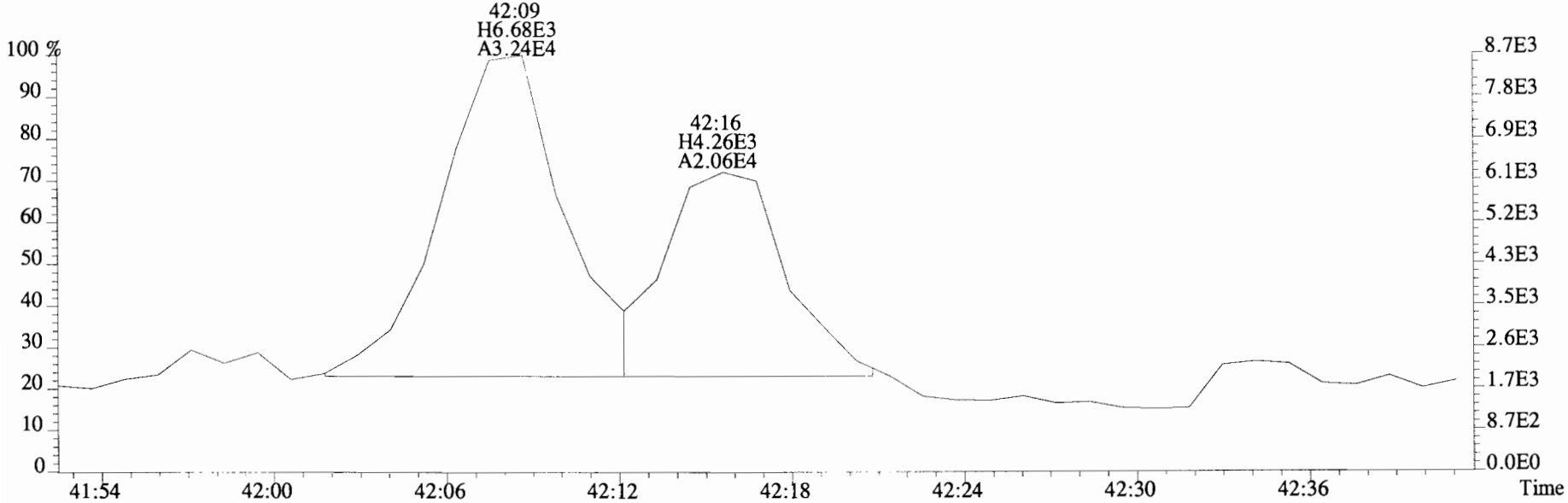

339.9177 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5980.0,0.00%,F,F)



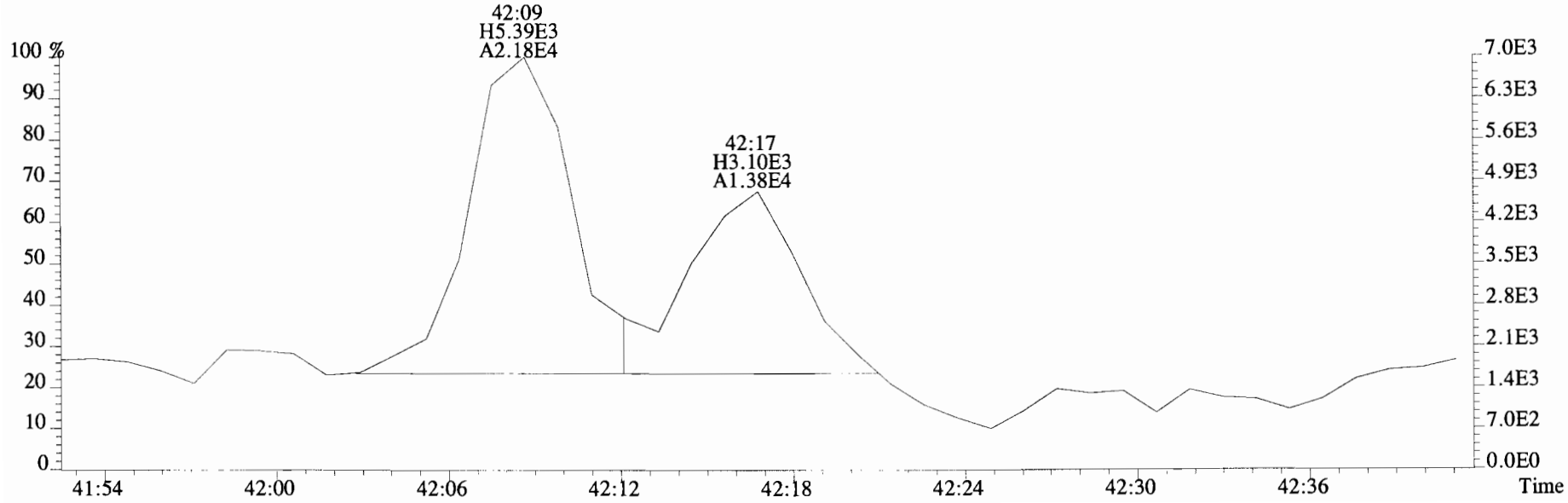

380.9760 S:7 F:4



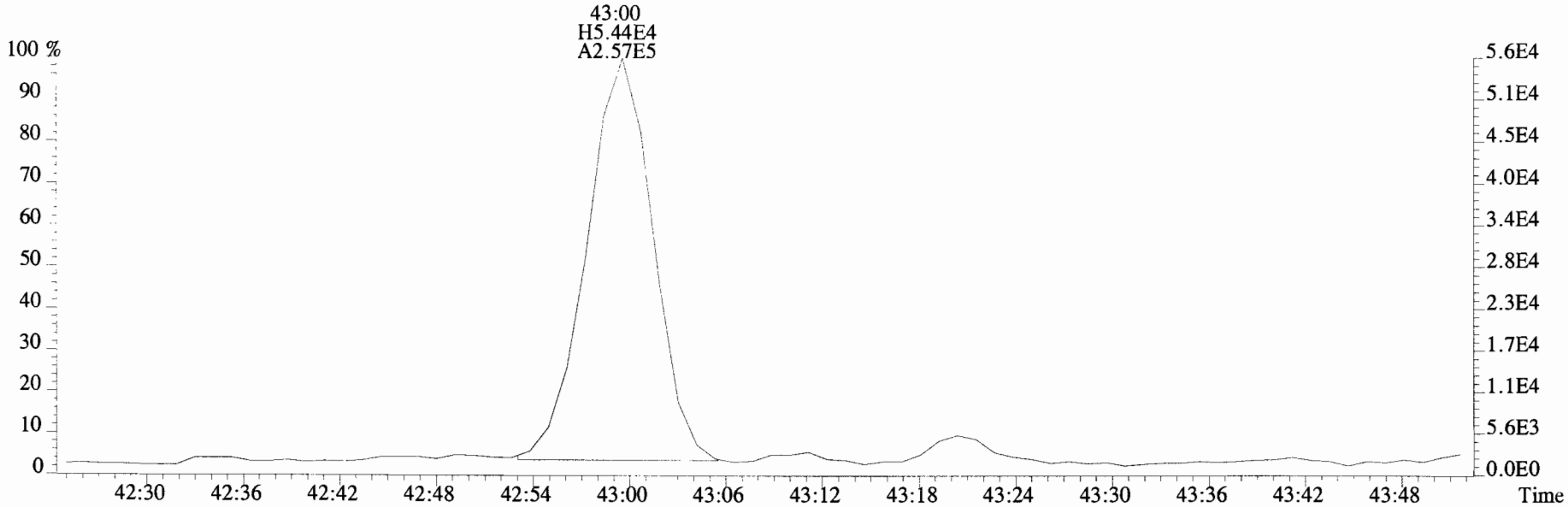
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



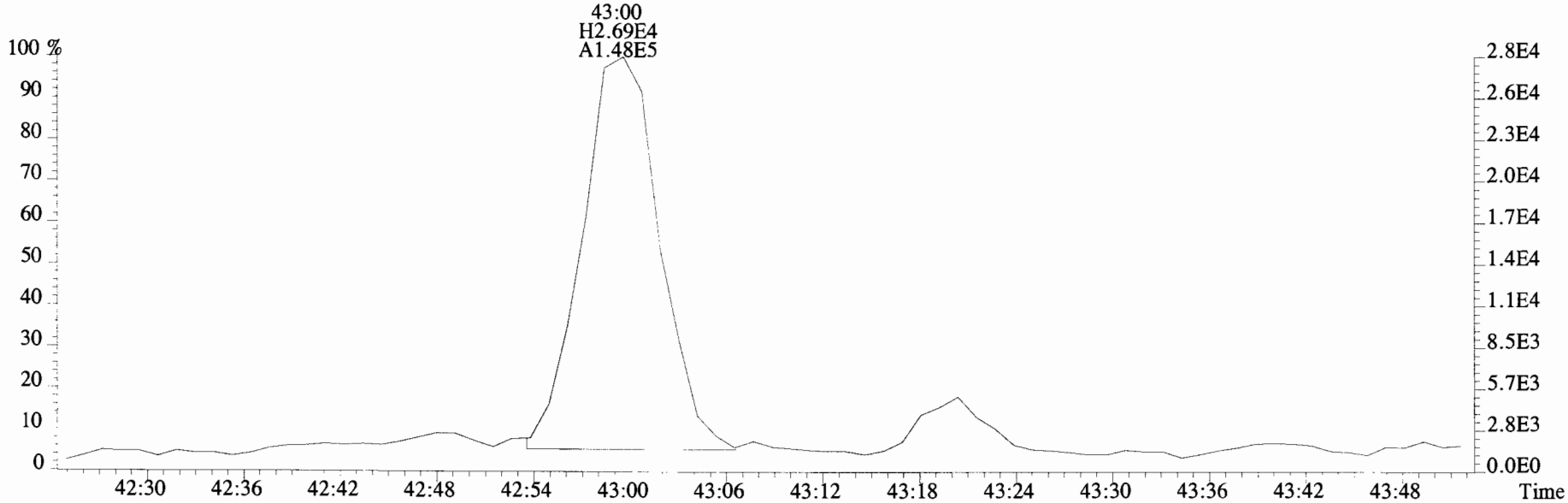

327.8775 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1840.0,0.00%,F,F)



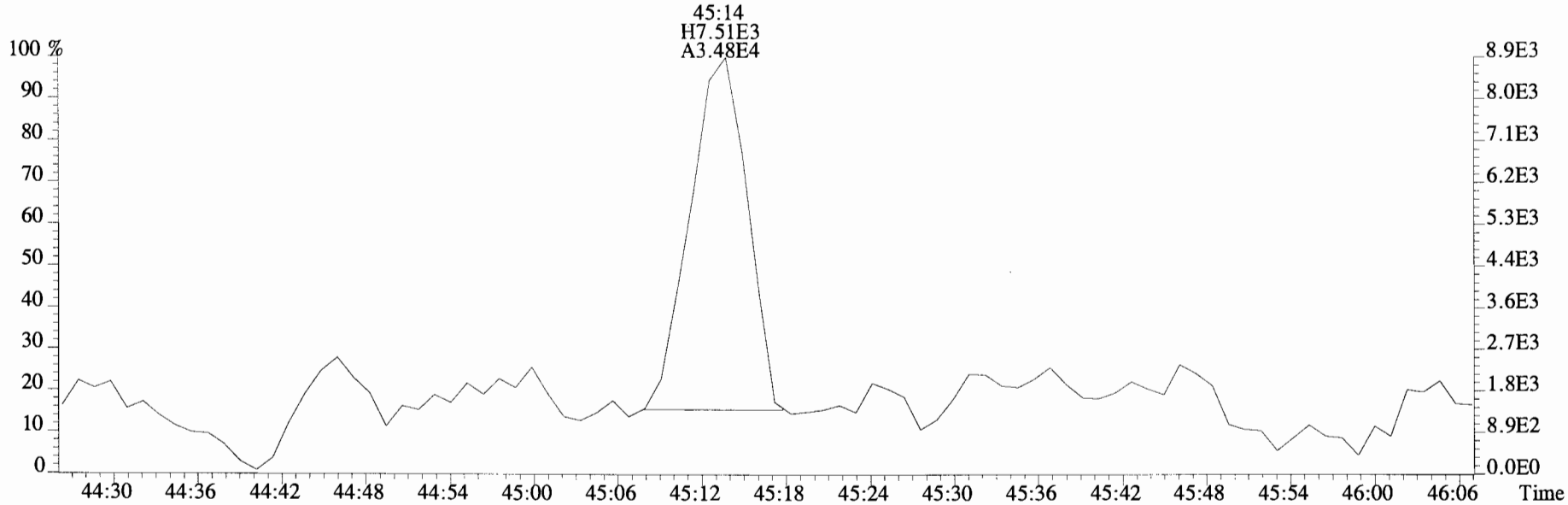
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



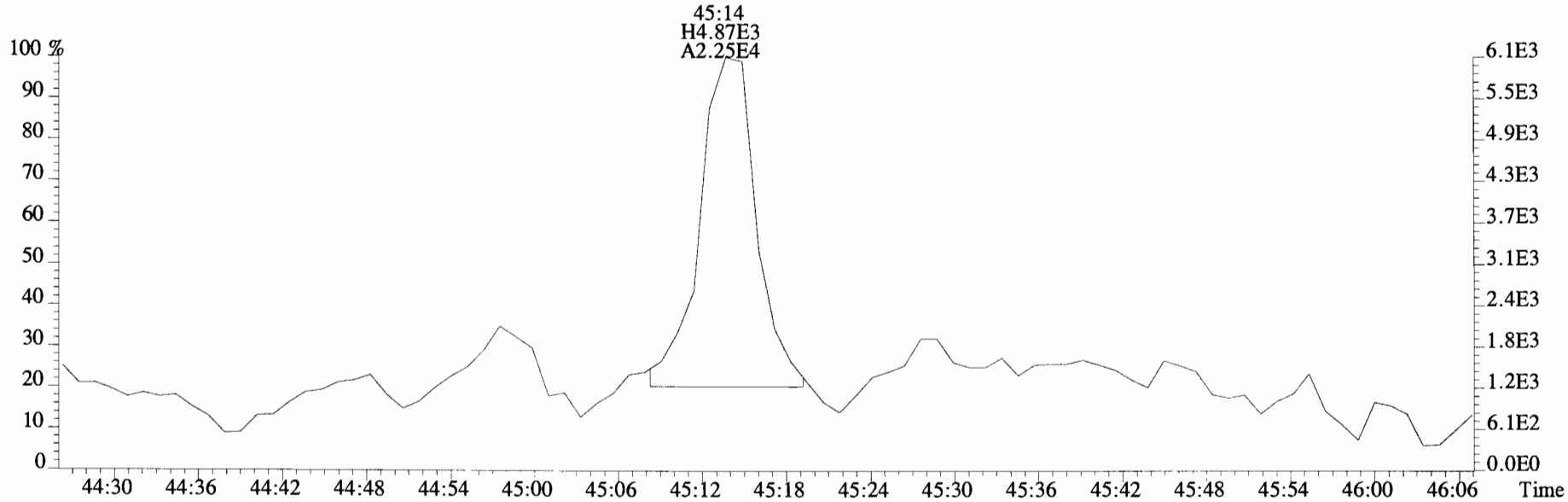

327.8775 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1840.0,0.00%,F,F)



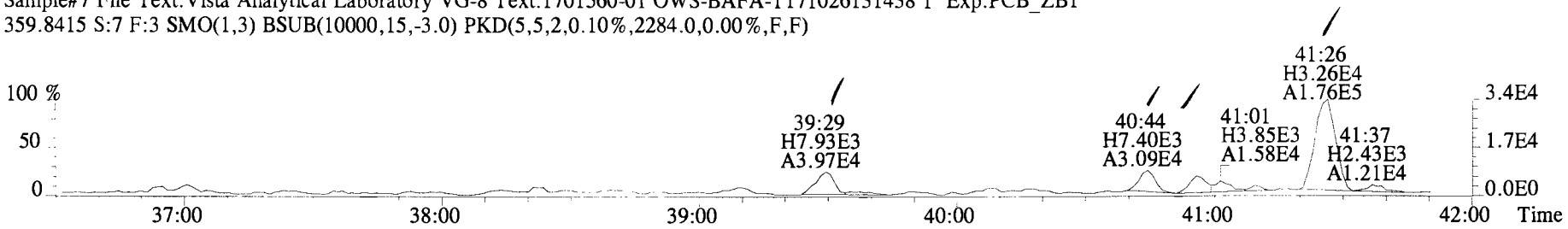
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
325.8804 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



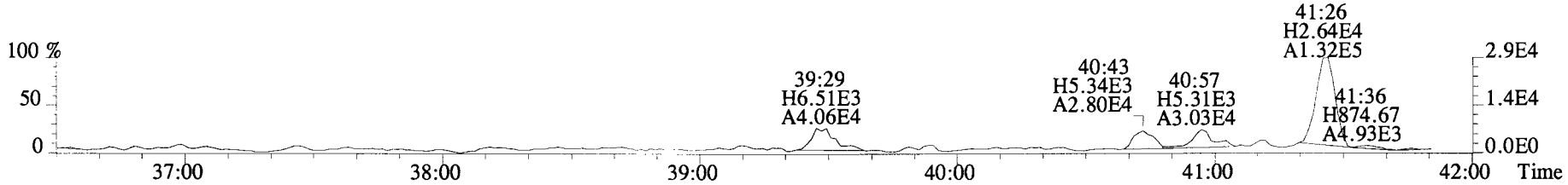

327.8775 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1840.0,0.00%,F,F)



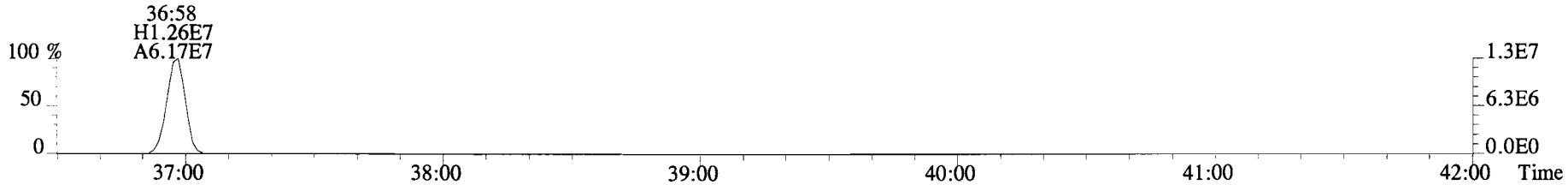
File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
359.8415 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2284.0,0.00%,F,F)



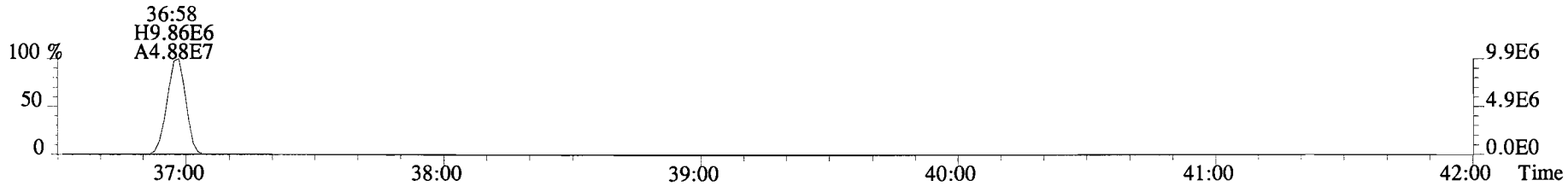

361.8385 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2108.0,0.00%,F,F)



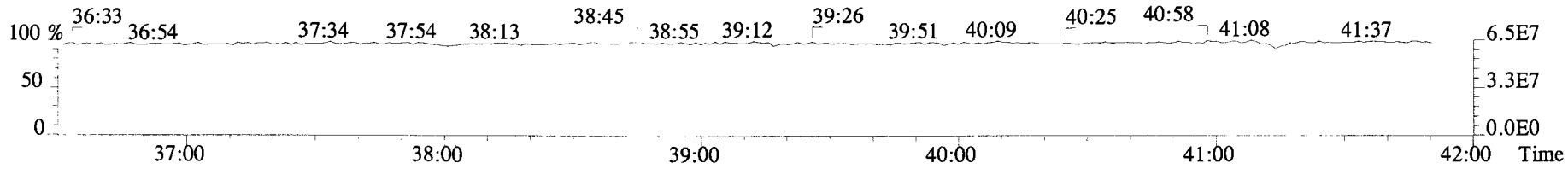

371.8817 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2280.0,0.00%,F,F)



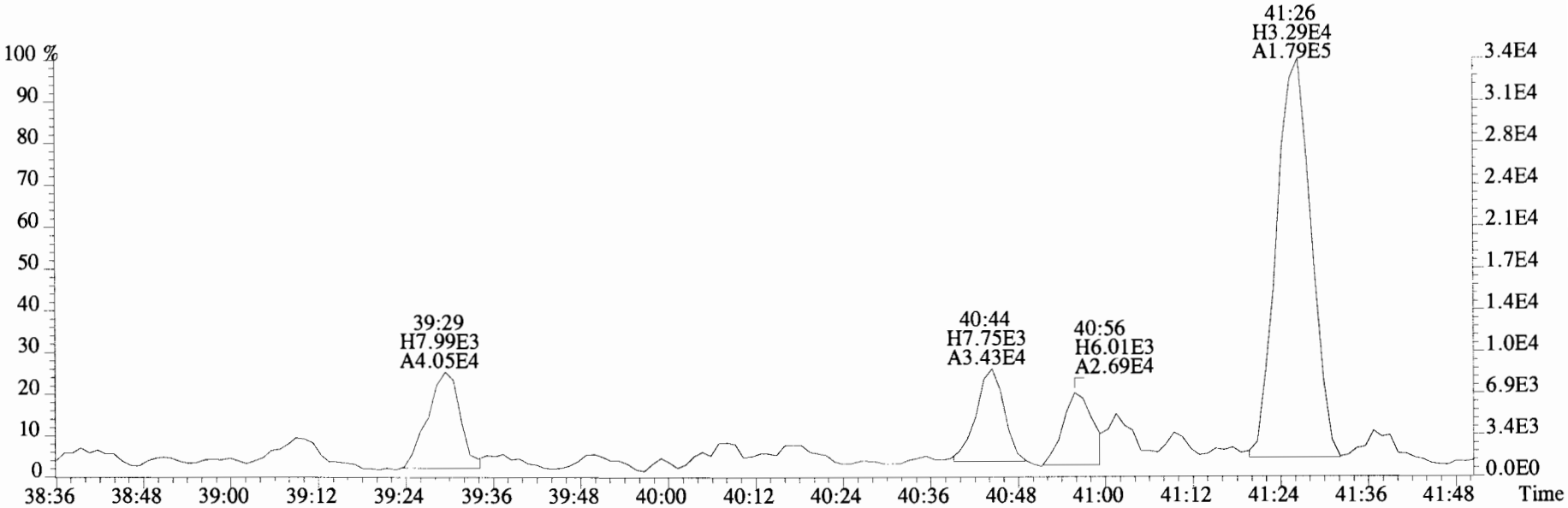

373.8788 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2188.0,0.00%,F,F)



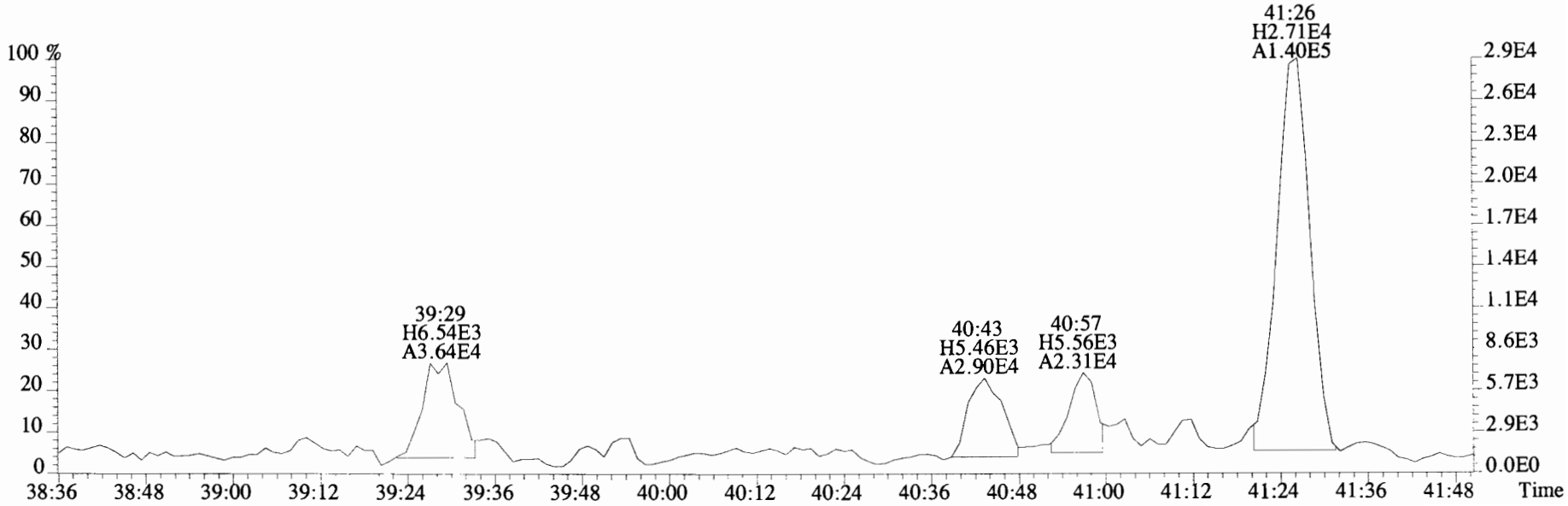

330.9792 S:7 F:3



File:180409E1 #1-756 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
359.8415 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2284.0,0.00%,F,F)

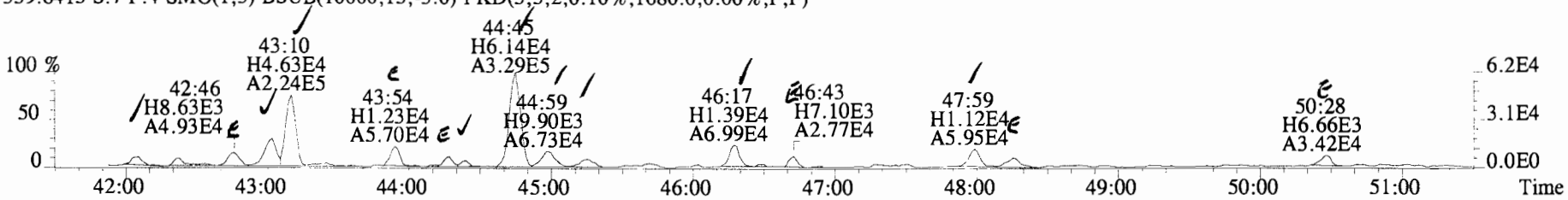



361.8385 S:7 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2108.0,0.00%,F,F)

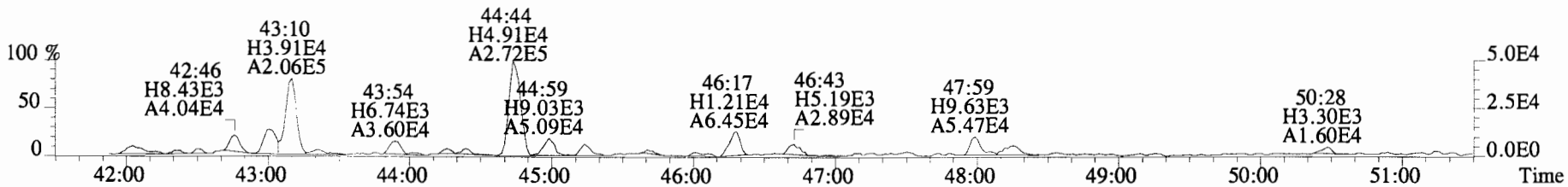


File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

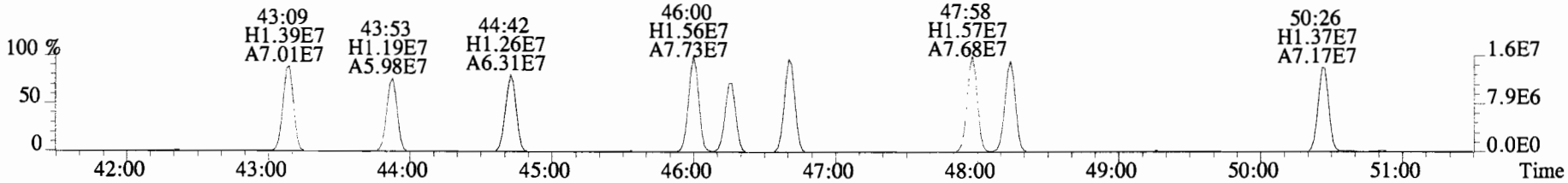
359.8415 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1680.0,0.00%,F,F)



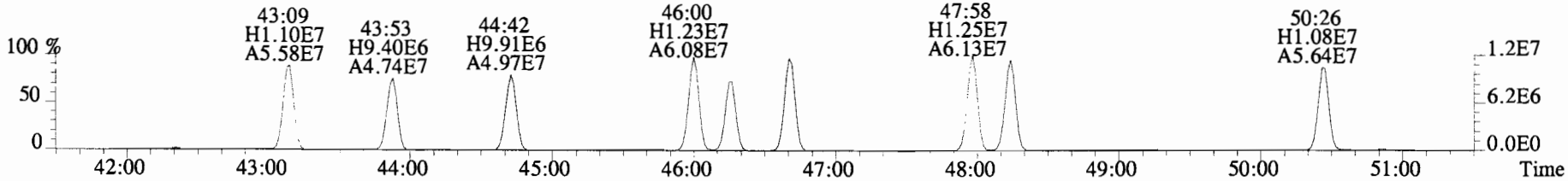

361.8385 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1624.0,0.00%,F,F)



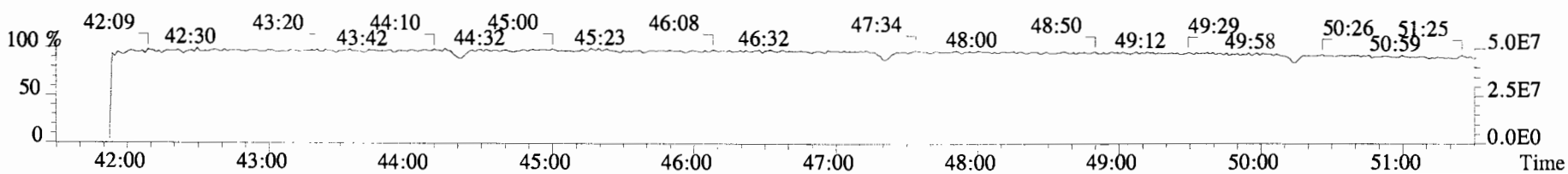

371.8817 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13488.0,0.00%,F,F)



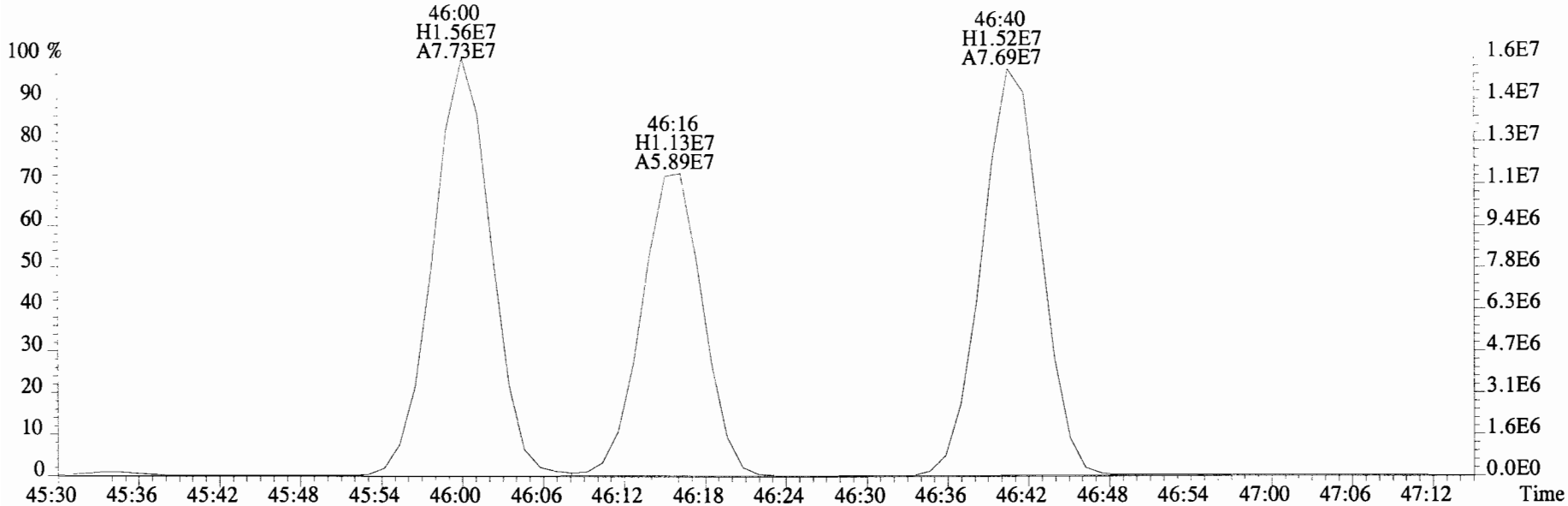

373.8788 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10684.0,0.00%,F,F)



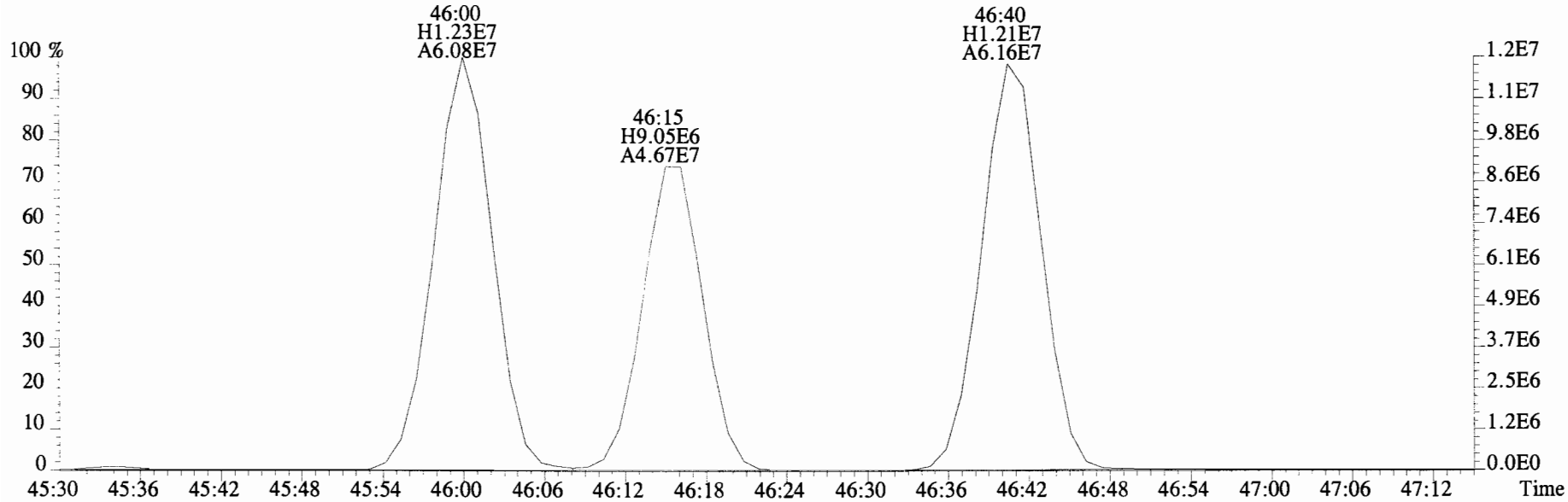

380.9760 S:7 F:4



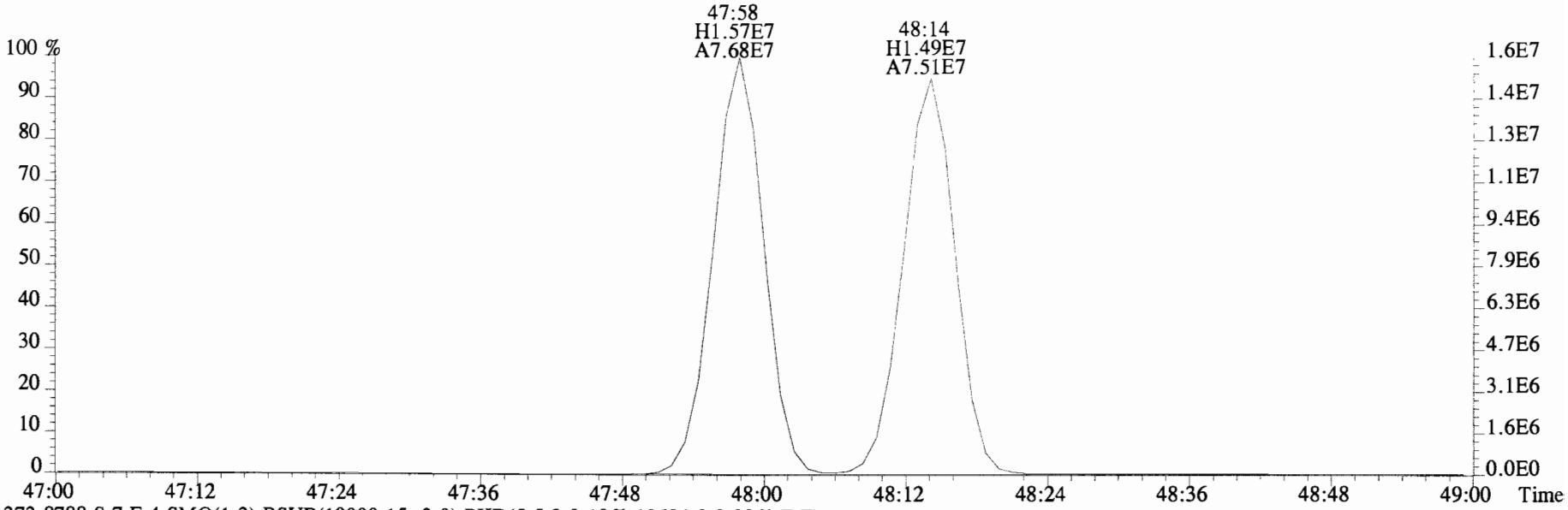
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
371.8817 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13488.0,0.00%,F,F)



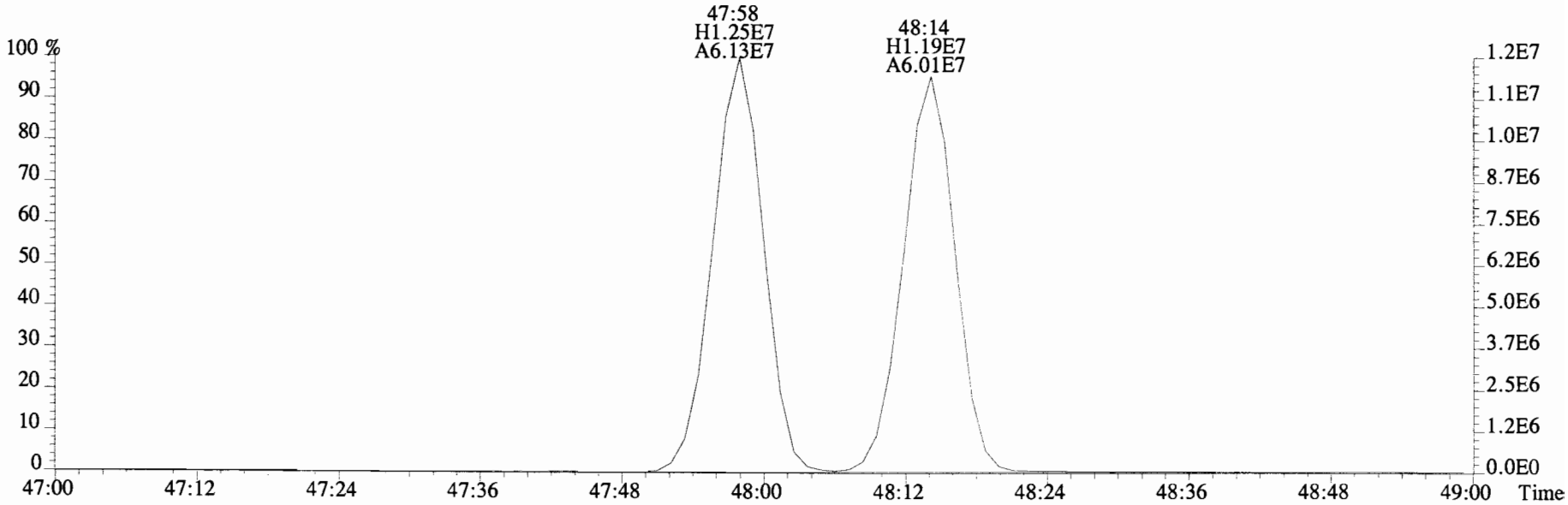

373.8788 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10684.0,0.00%,F,F)



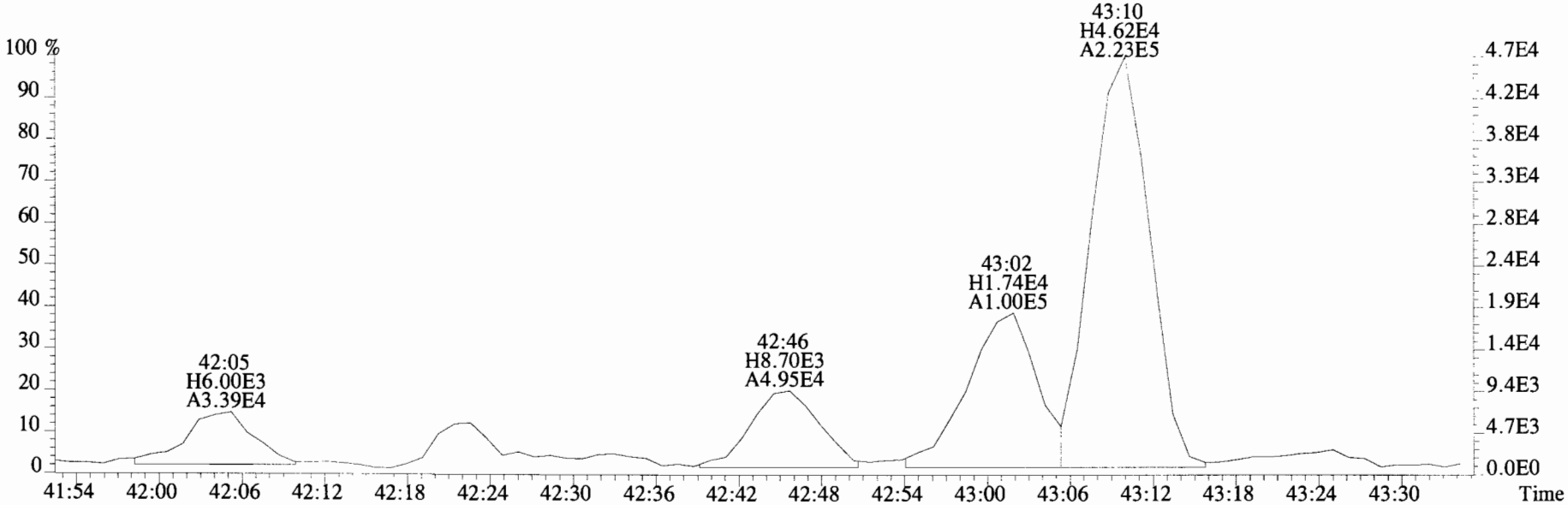
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
371.8817 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13488.0,0.00%,F,F)



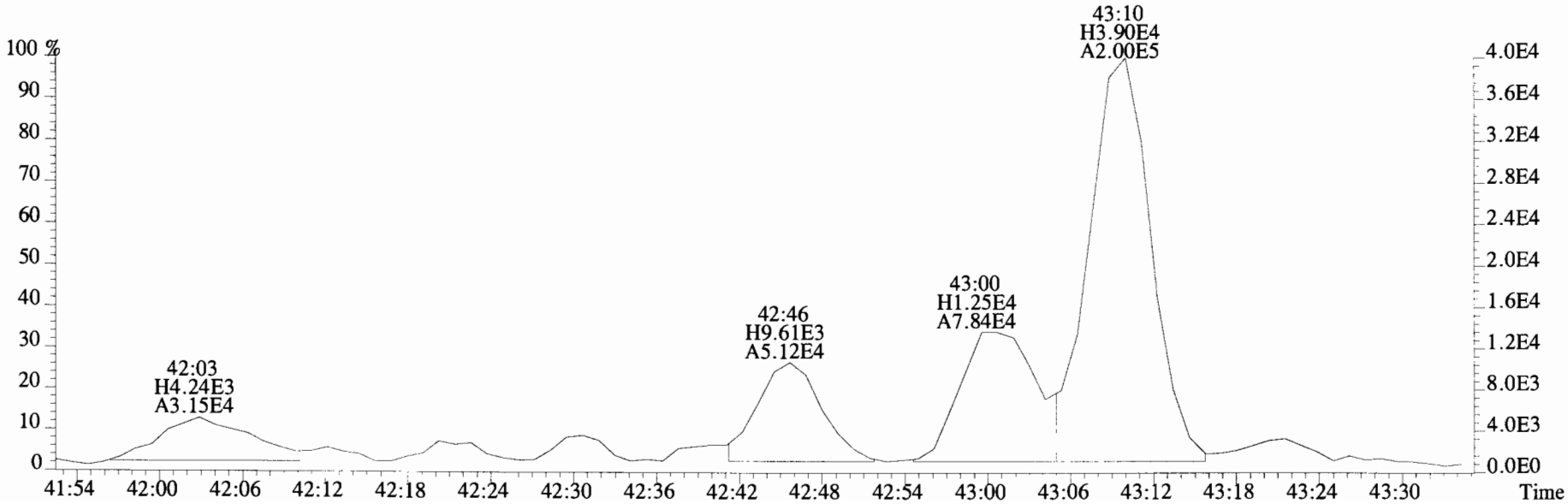

373.8788 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10684.0,0.00%,F,F)



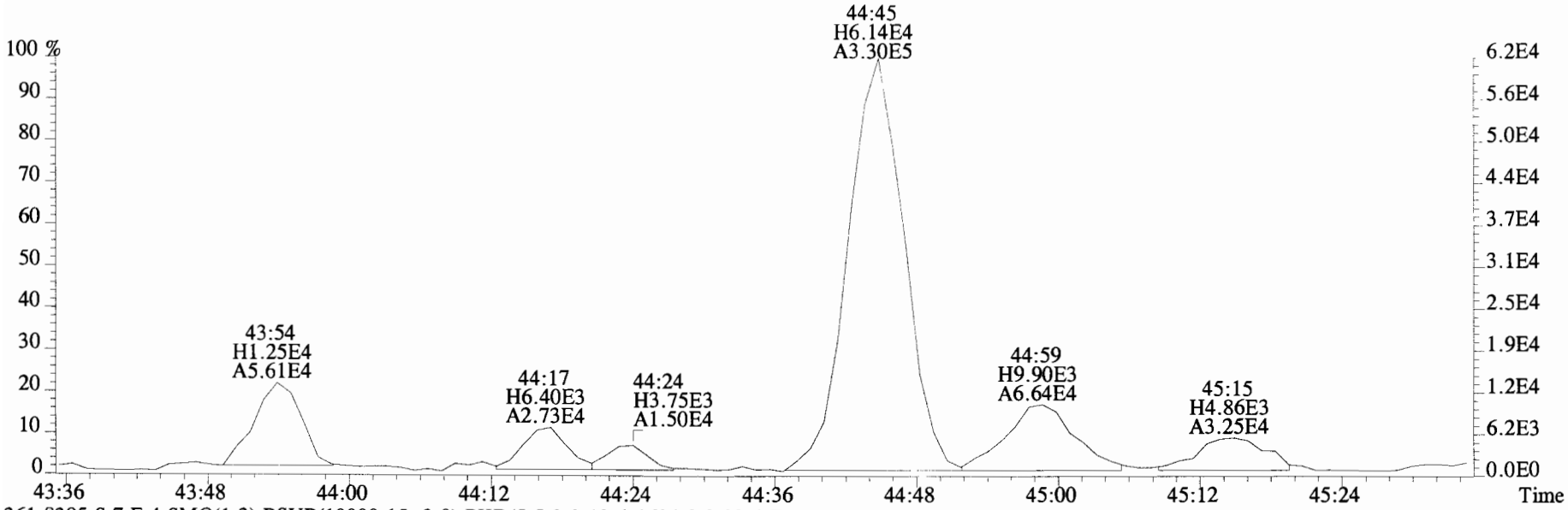
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
359.8415 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1680.0,0.00%,F,F)



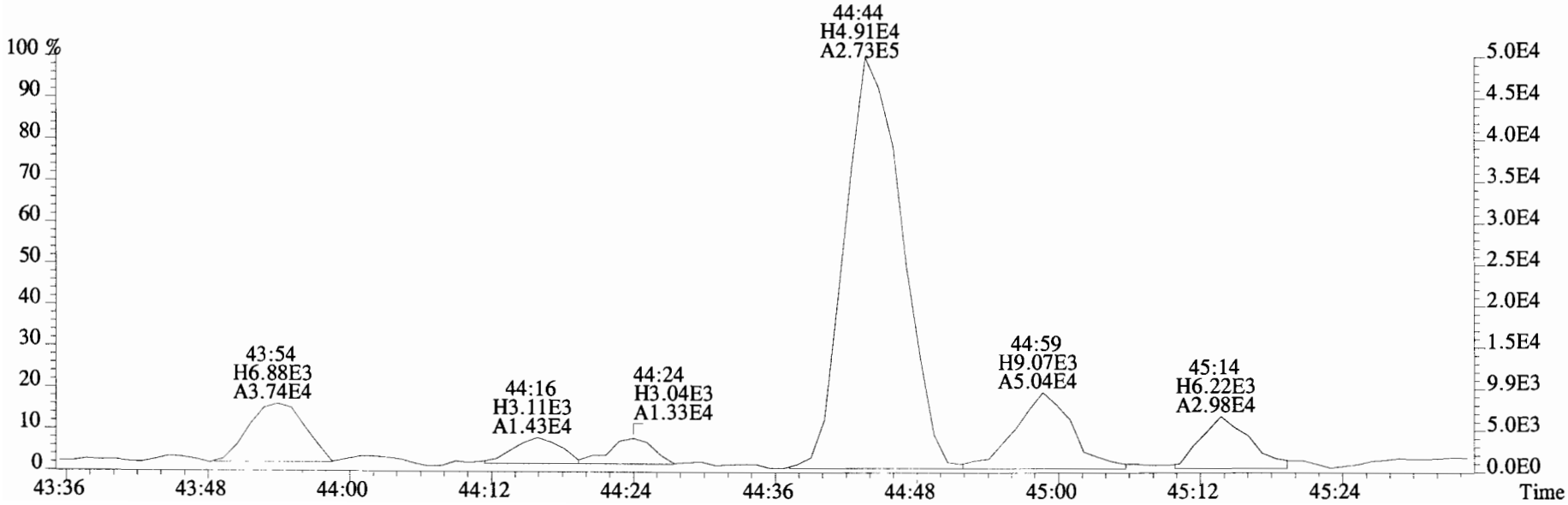

361.8385 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1624.0,0.00%,F,F)



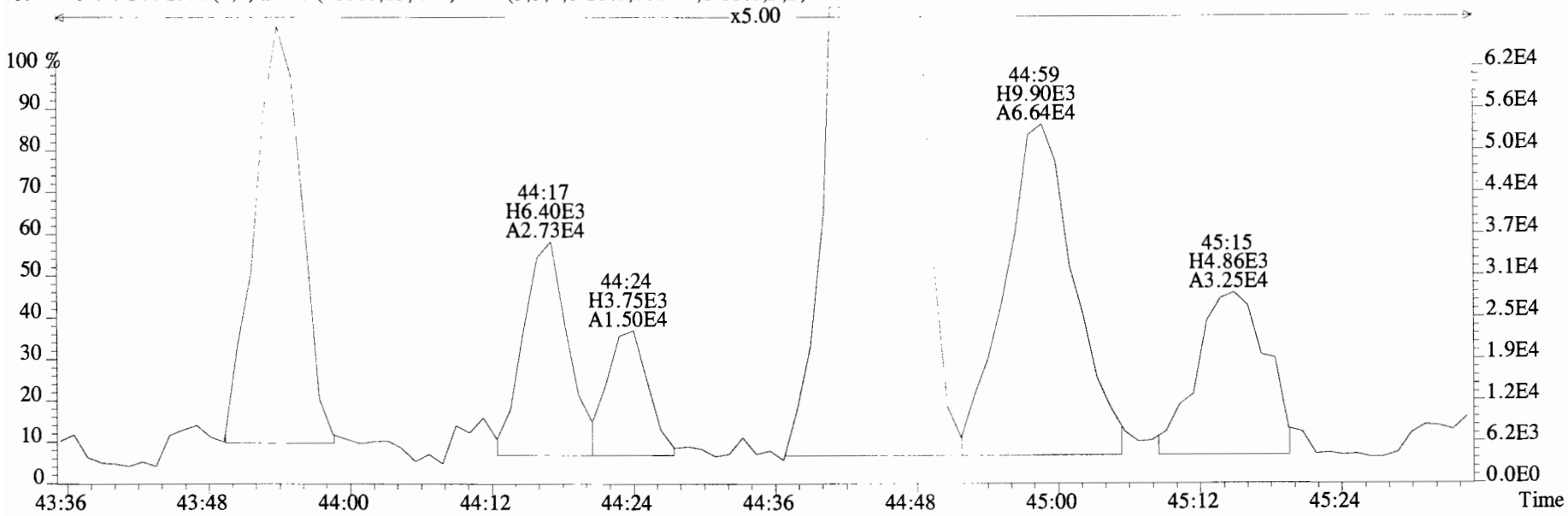
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
359.8415 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1680.0,0.00%,F,F)



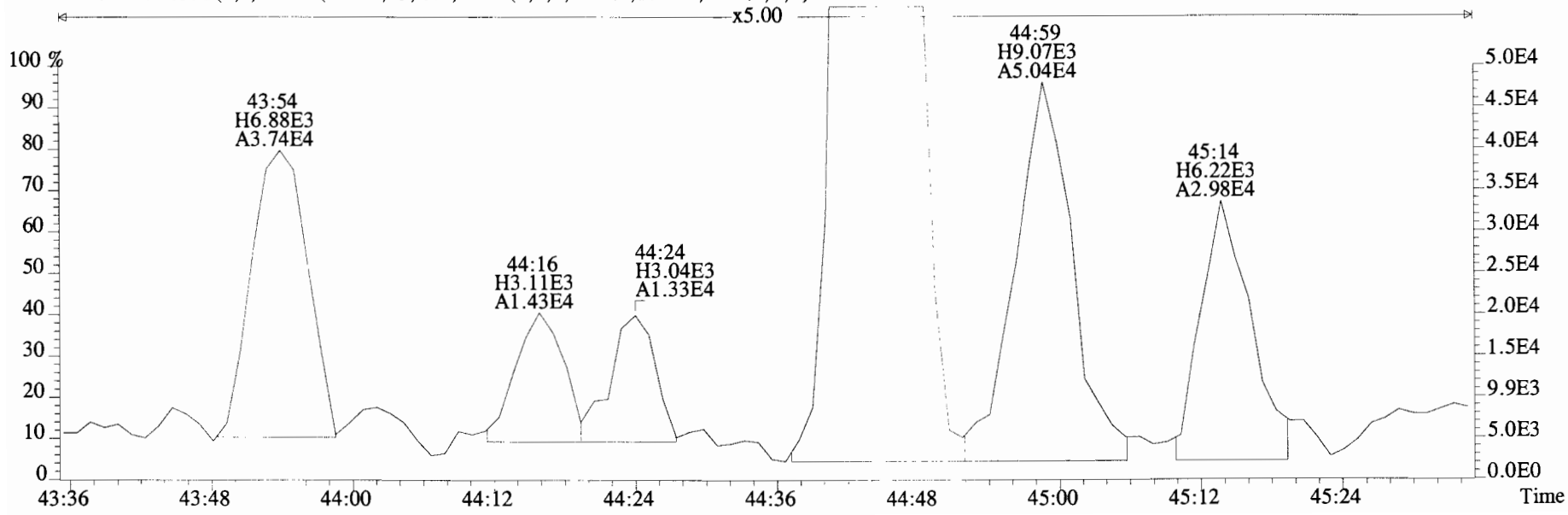

361.8385 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1624.0,0.00%,F,F)



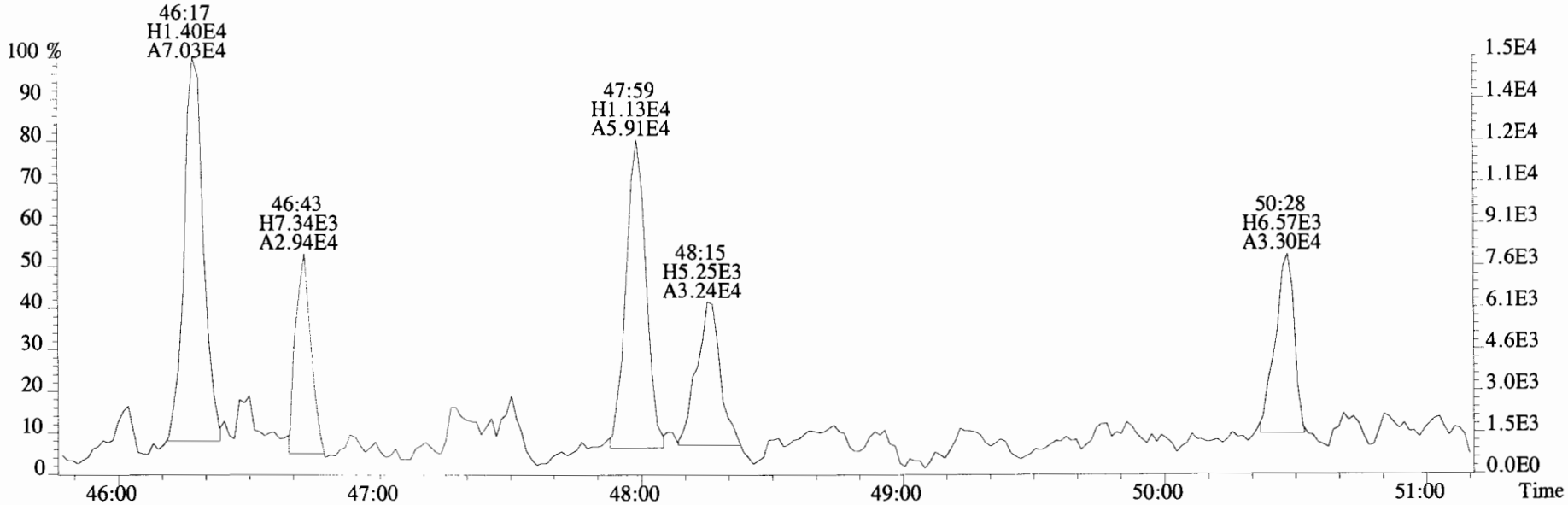
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
359.8415 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1680.0,0.00%,F,F)



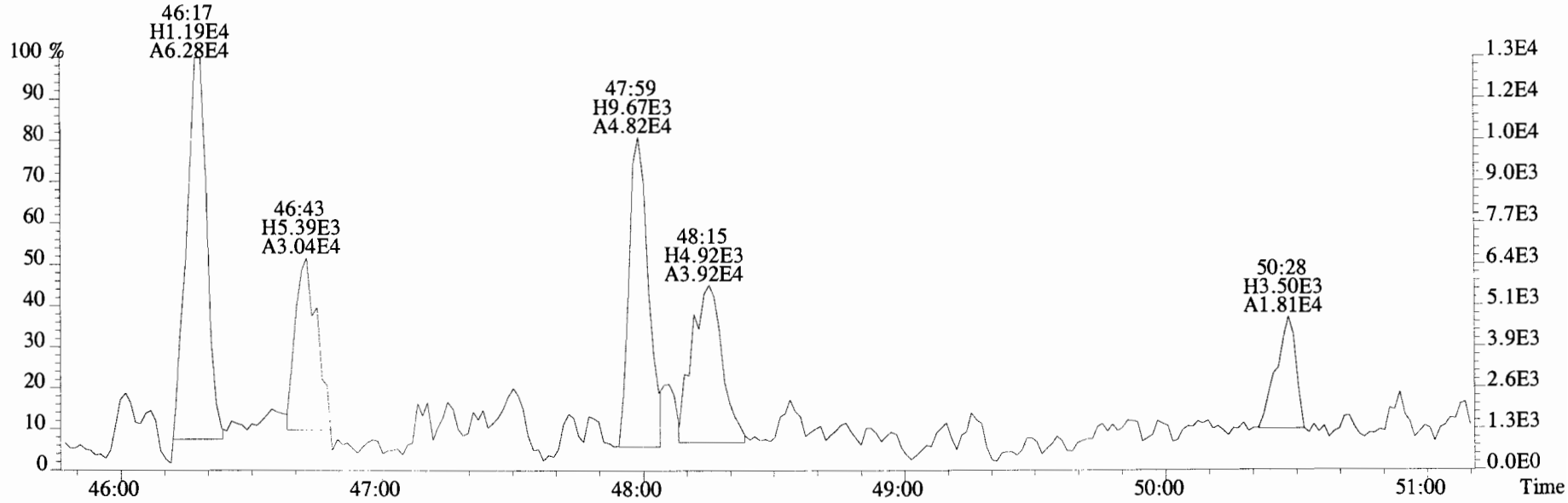

361.8385 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1624.0,0.00%,F,F)



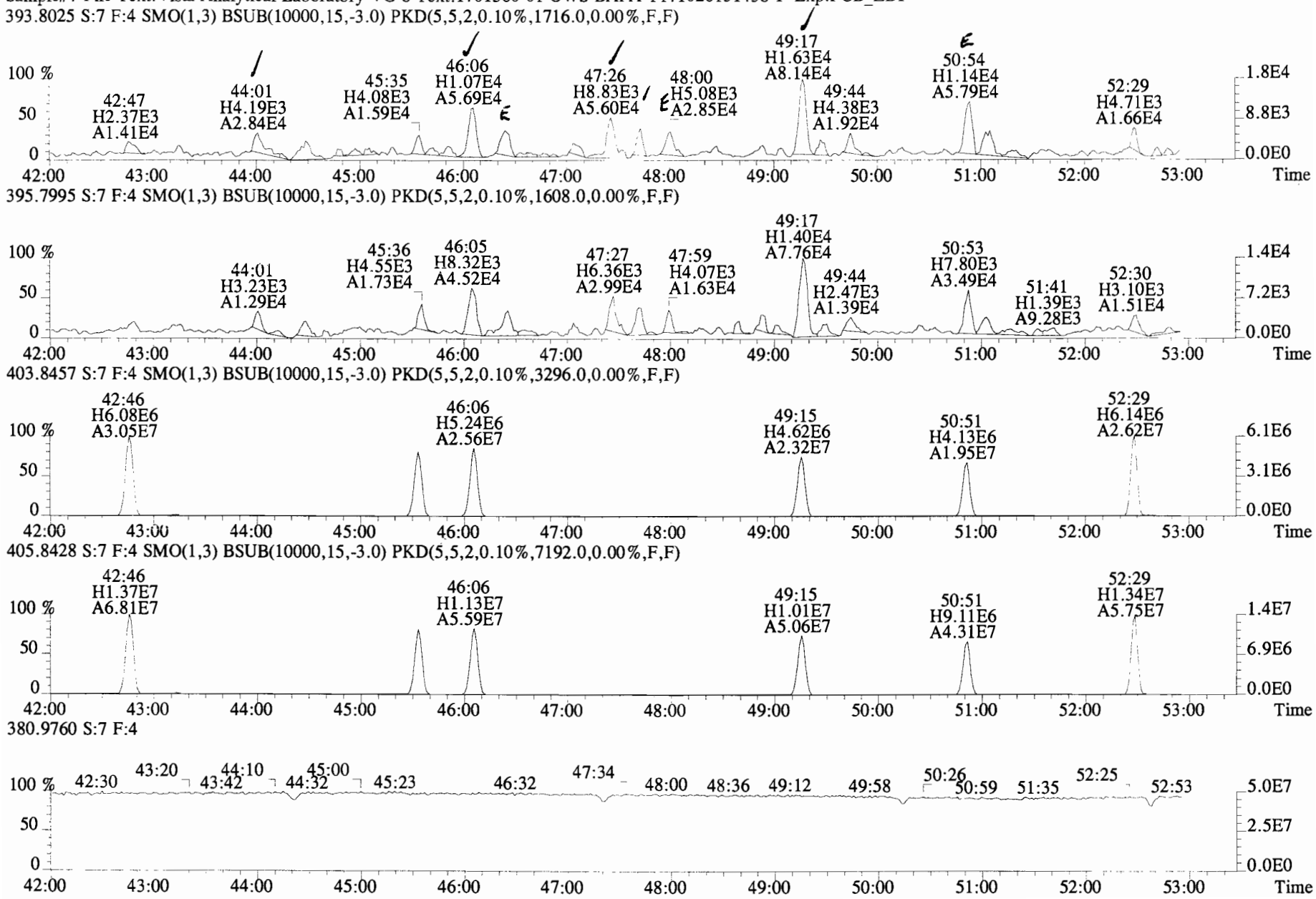
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
359.8415 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1680.0,0.00%,F,F)



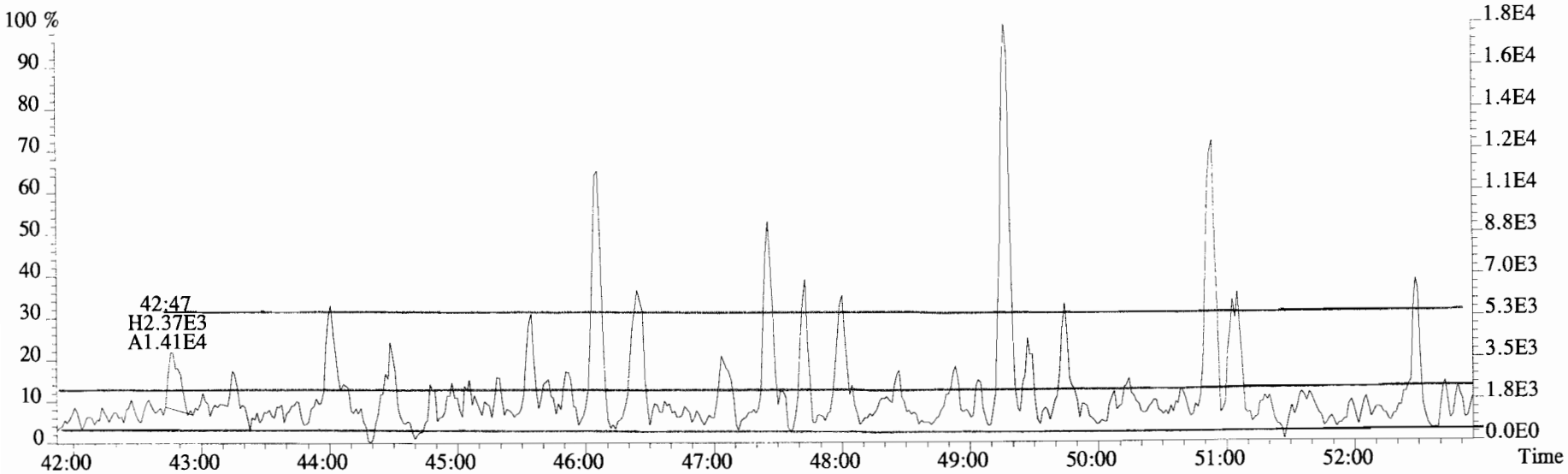

361.8385 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1624.0,0.00%,F,F)



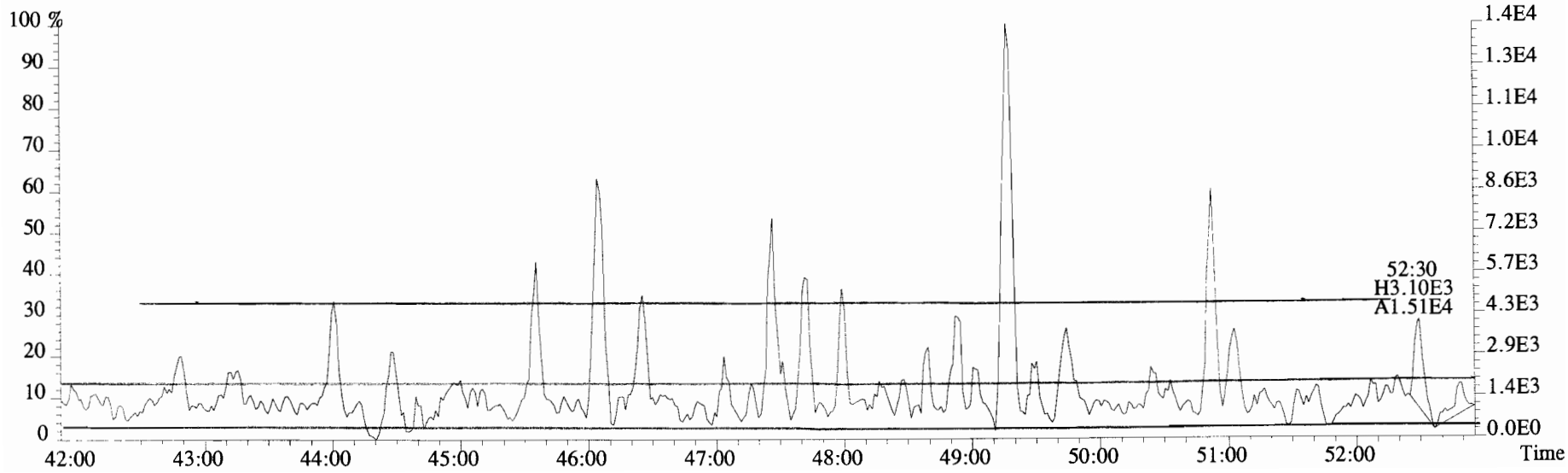
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1



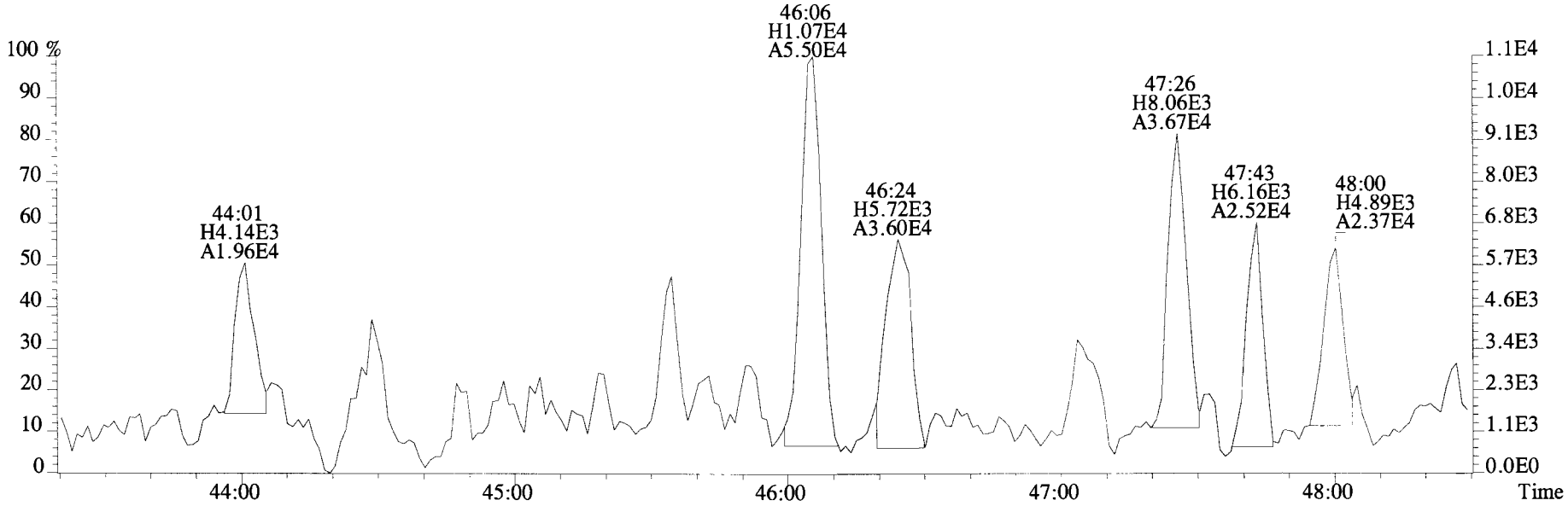
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
393.8025 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1716.0,0.00%,F,F)



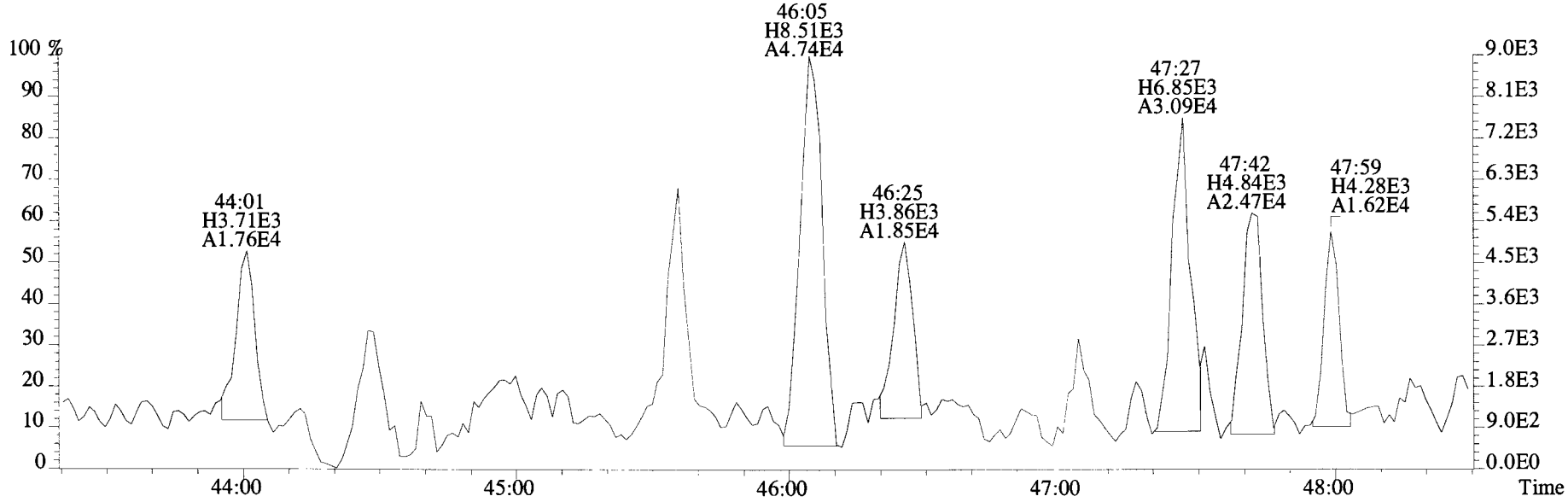

395.7995 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1608.0,0.00%,F,F)



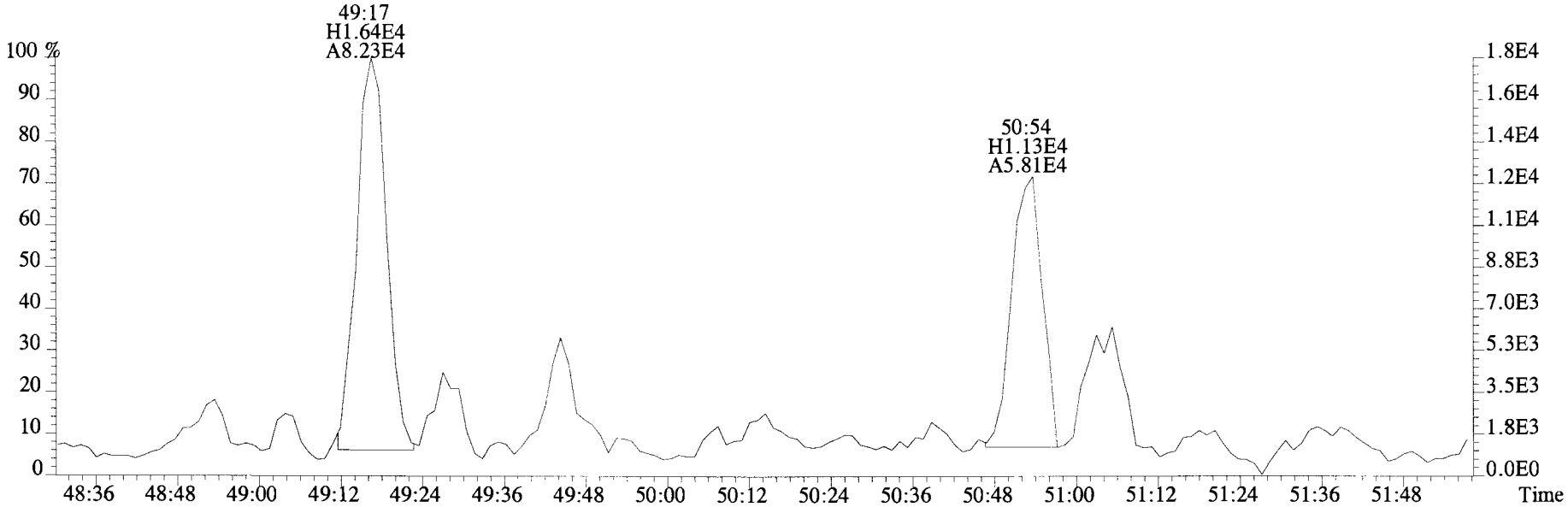
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
393.8025 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1716.0,0.00%,F,F)



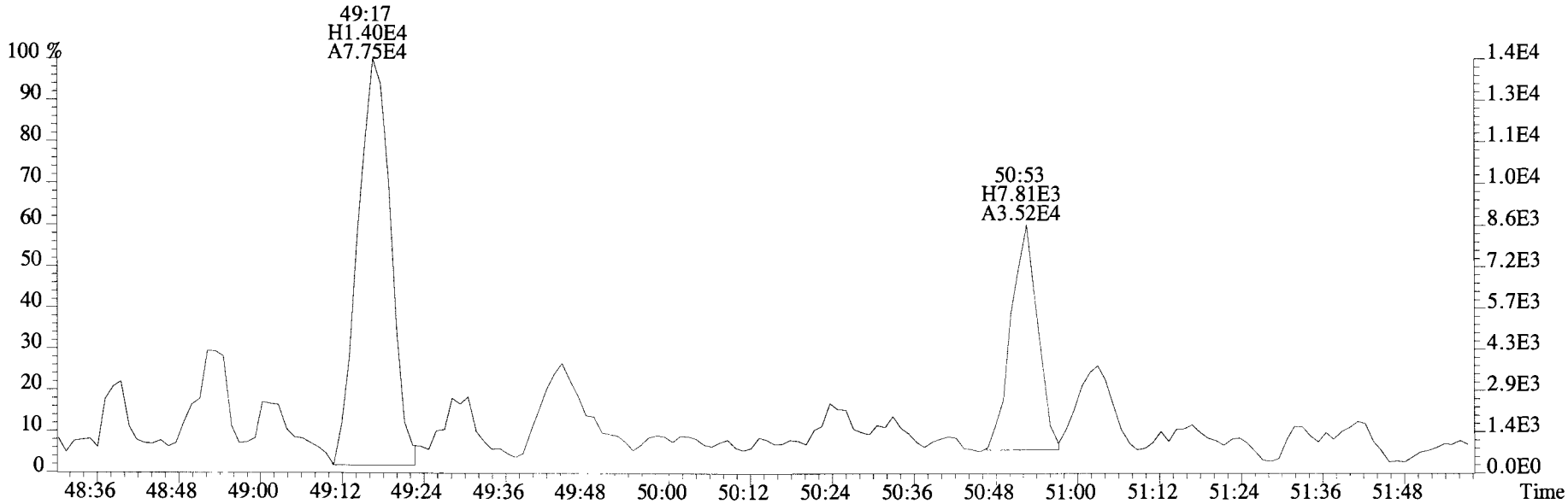

395.7995 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1608.0,0.00%,F,F)



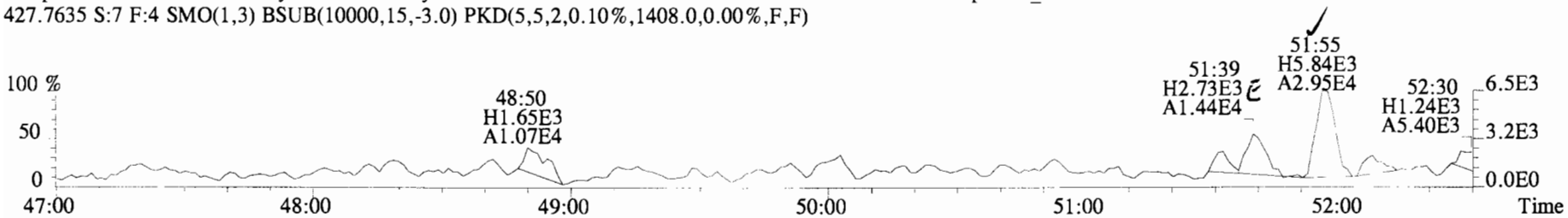
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
393.8025 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1716.0,0.00%,F,F)



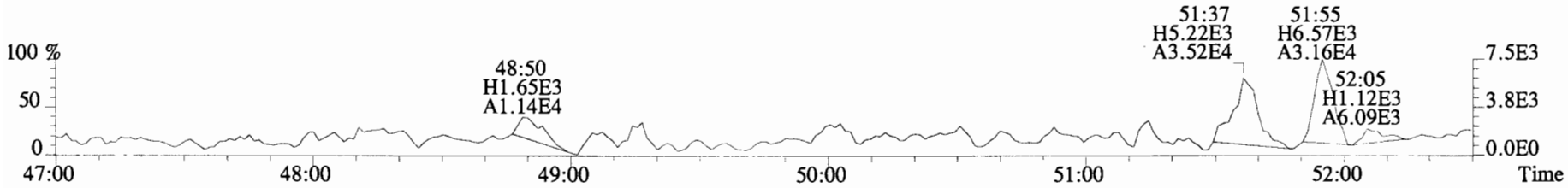

395.7995 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1608.0,0.00%,F,F)



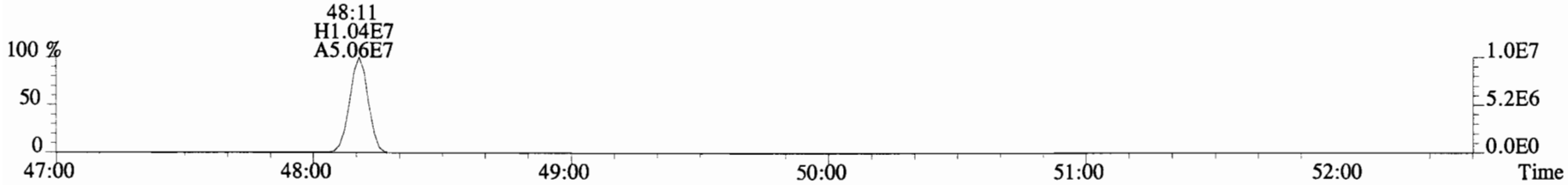
File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
427.7635 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1408.0,0.00%,F,F)



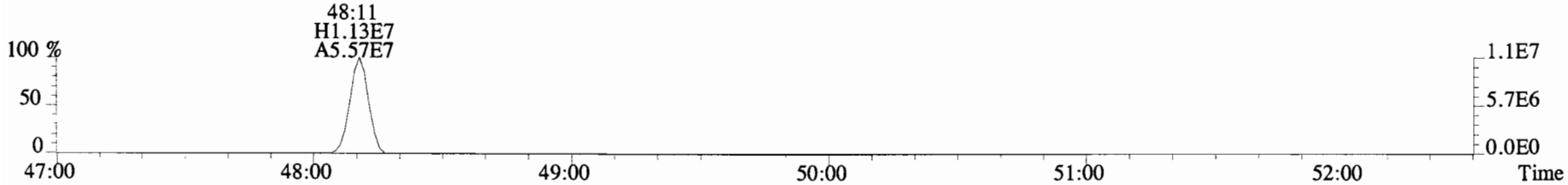

429.7606 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1708.0,0.00%,F,F)



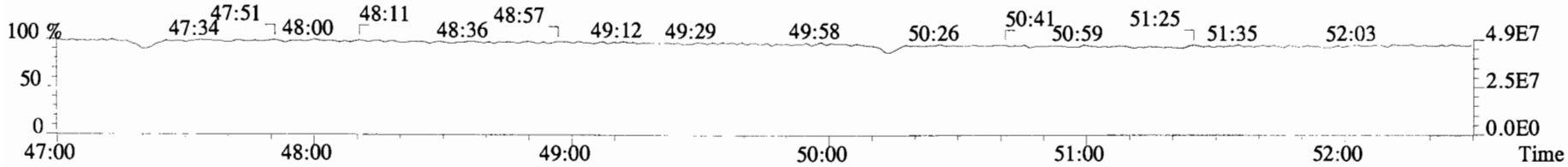

439.8038 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)



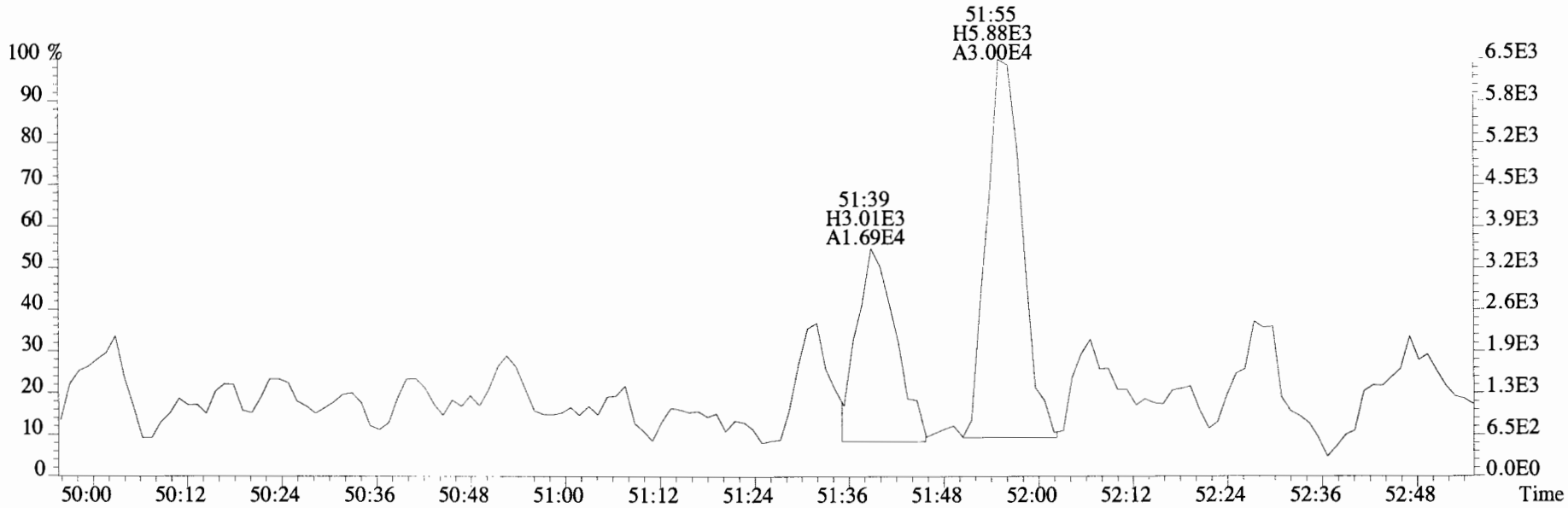

441.8008 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



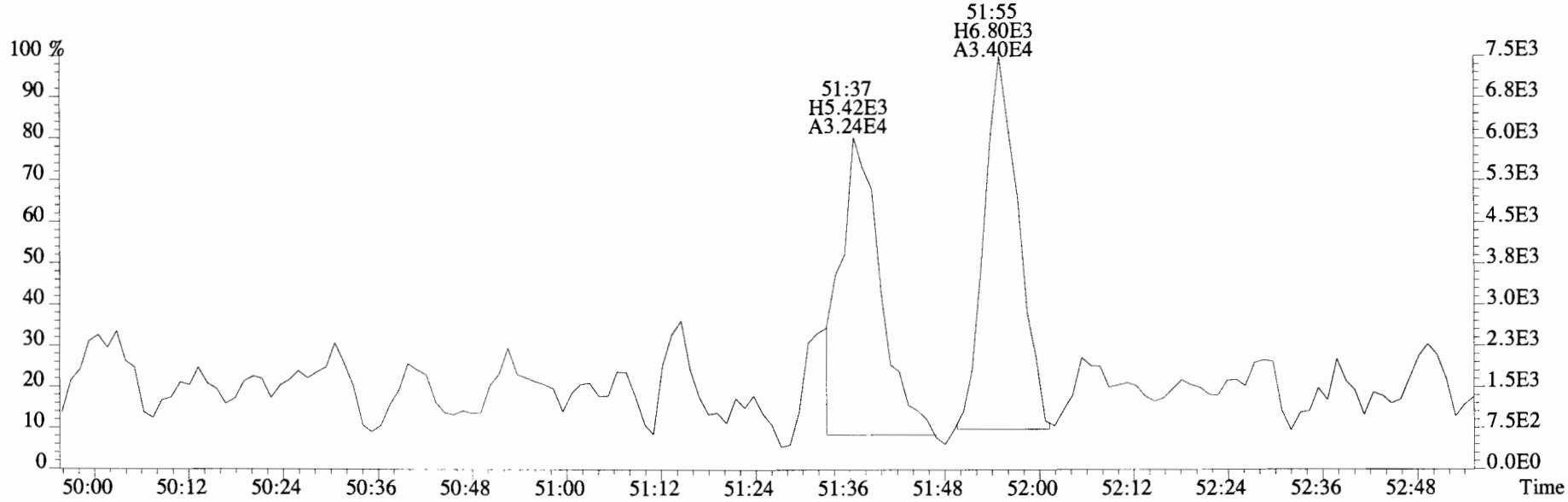

380.9760 S:7 F:4



File:180409E1 #1-574 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
427.7635 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1408.0,0.00%,F,F)

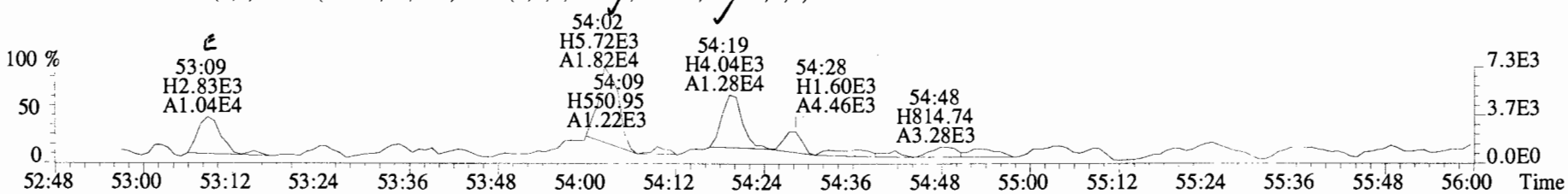



429.7606 S:7 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1708.0,0.00%,F,F)

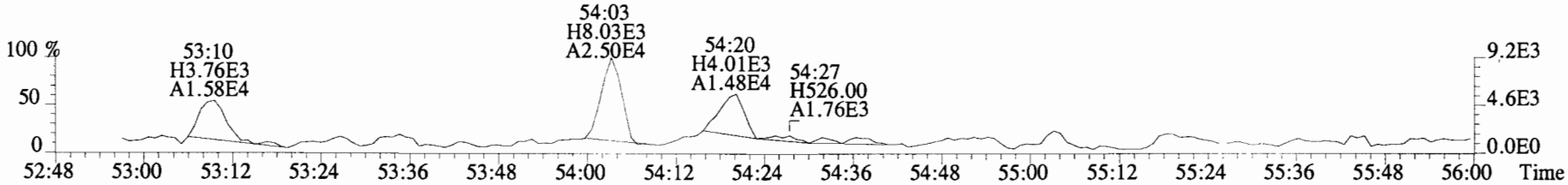


File:180409E1 #1-407 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

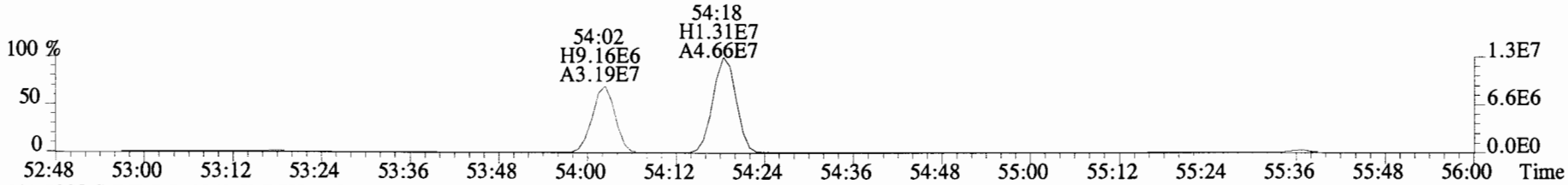
427.7635 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1176.0,0.00%,F,F)



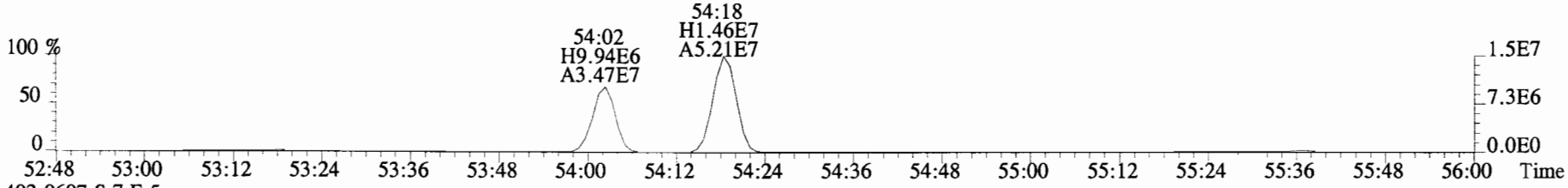

429.7606 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1468.0,0.00%,F,F)



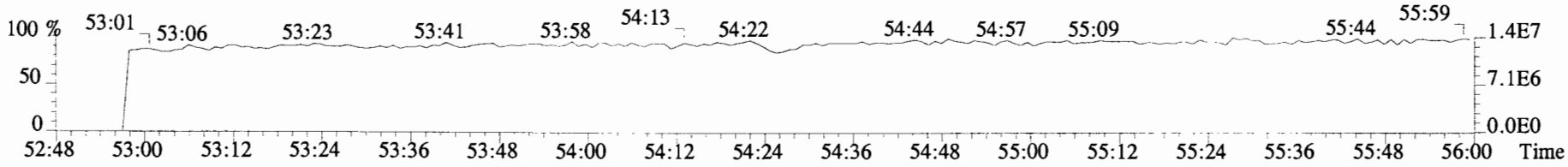

439.8038 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3596.0,0.00%,F,F)



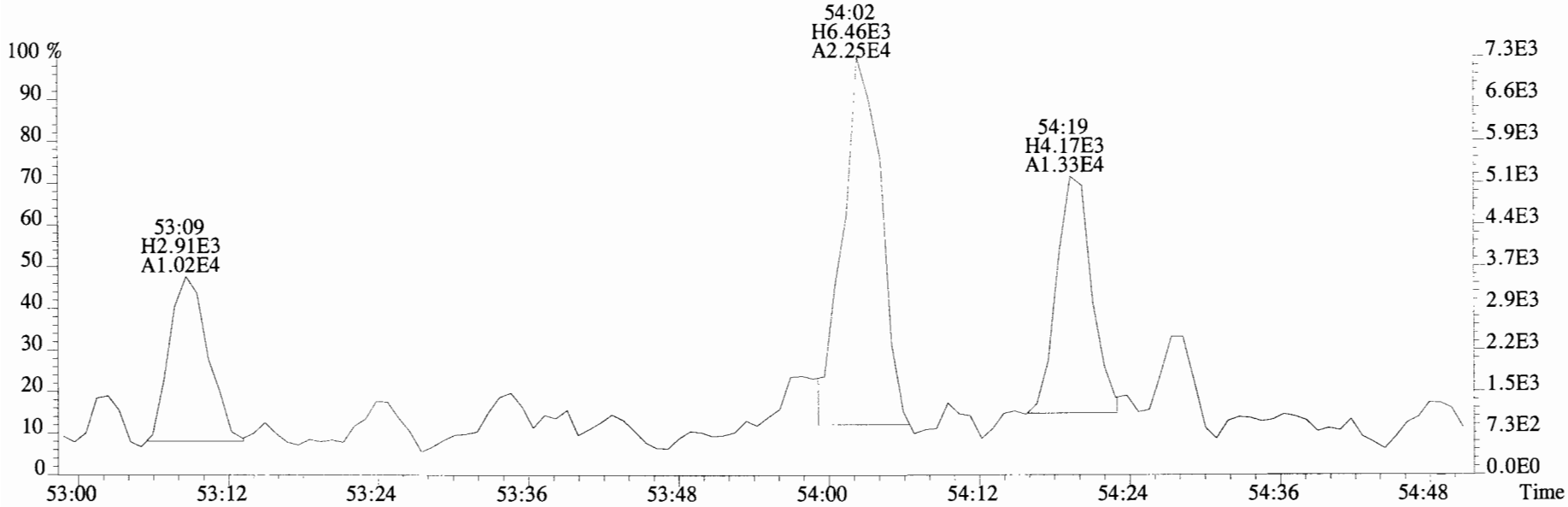

441.8008 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4332.0,0.00%,F,F)



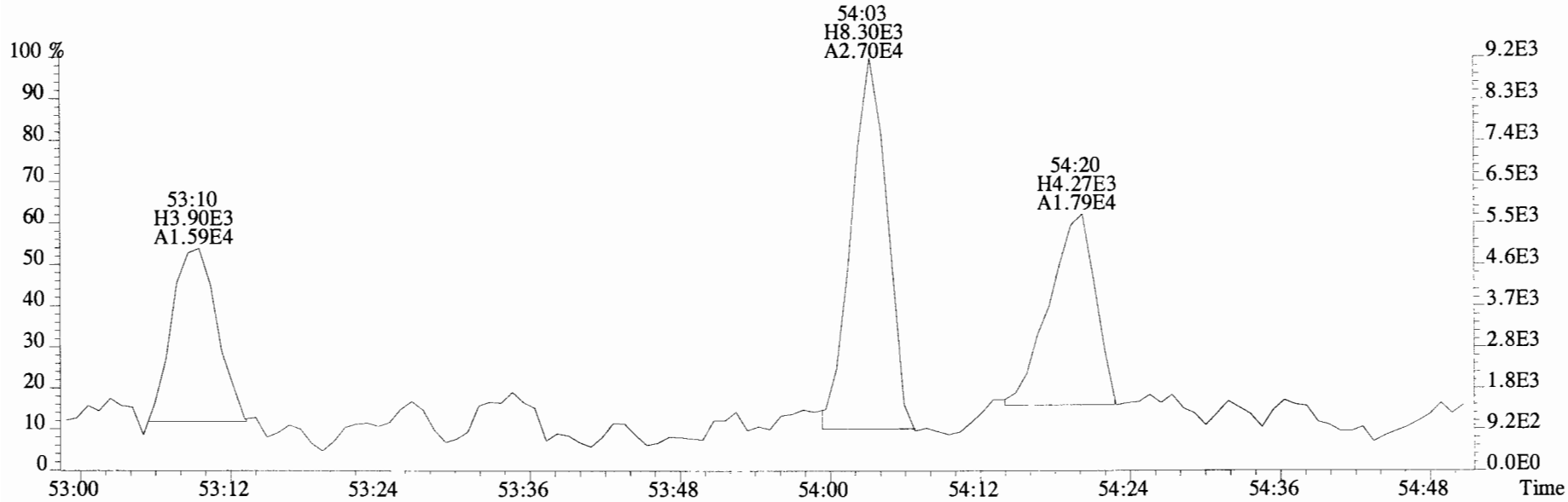

492.9697 S:7 F:5



File:180409E1 #1-407 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
427.7635 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1176.0,0.00%,F,F)

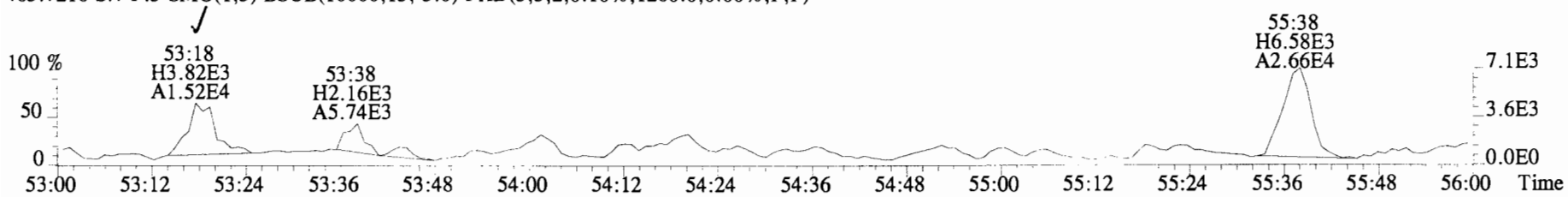



429.7606 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1468.0,0.00%,F,F)

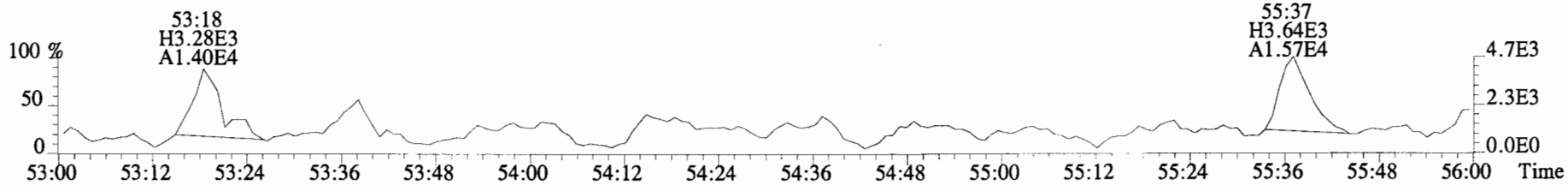


File:180409E1 #1-407 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1

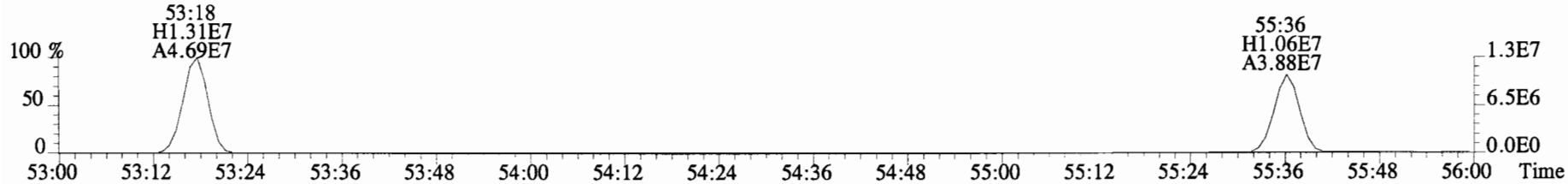
463.7216 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1260.0,0.00%,F,F)



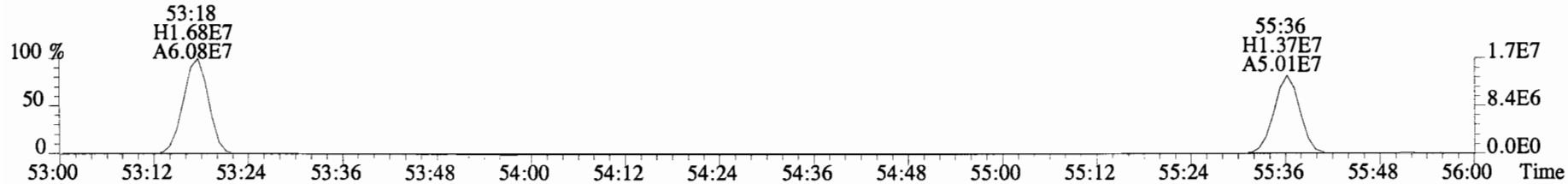

465.7186 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1364.0,0.00%,F,F)



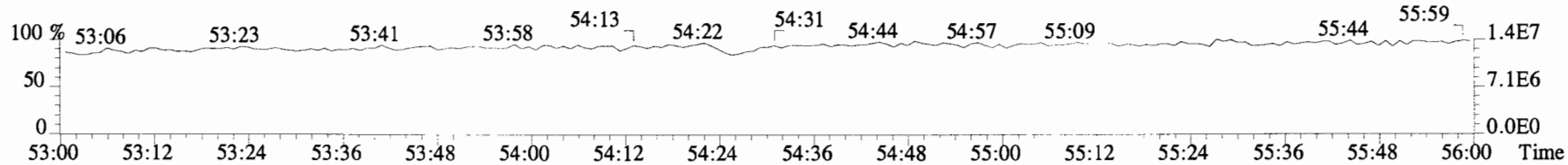

473.7648 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13316.0,0.00%,F,F)



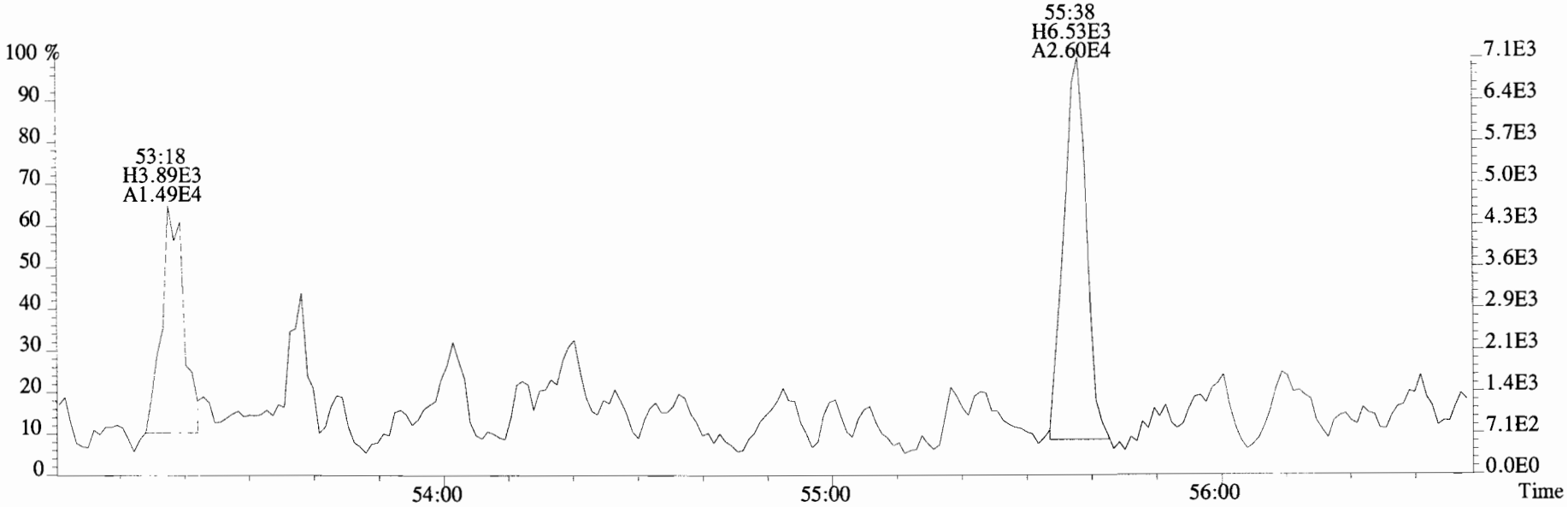

475.7619 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17372.0,0.00%,F,F)



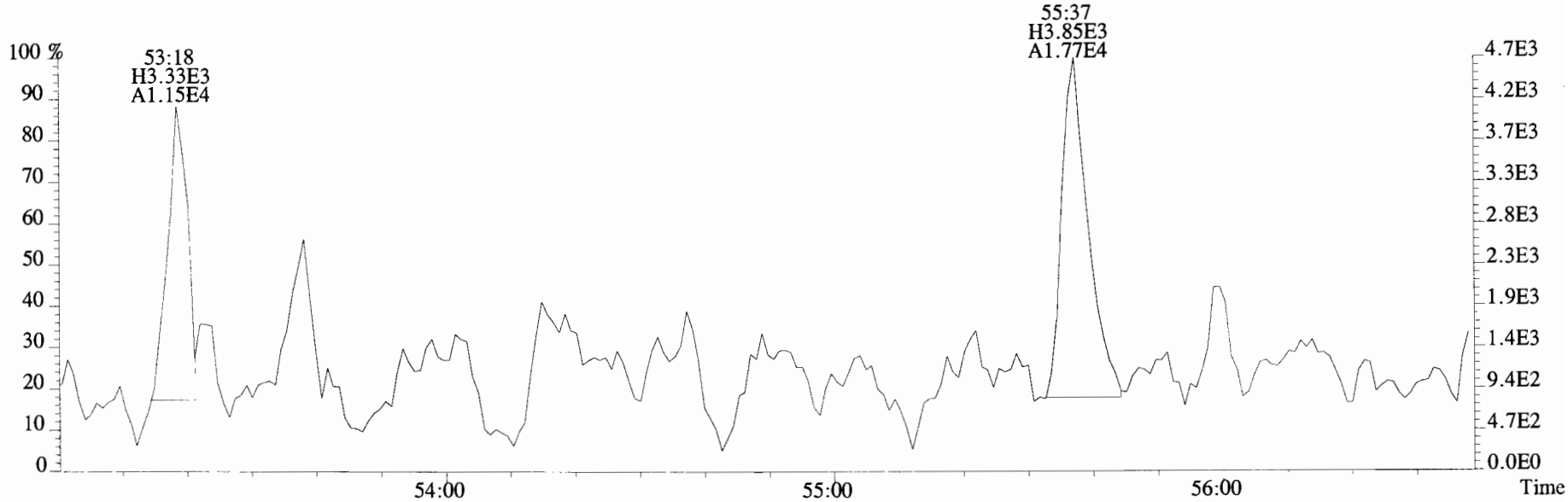

492.9697 S:7 F:5



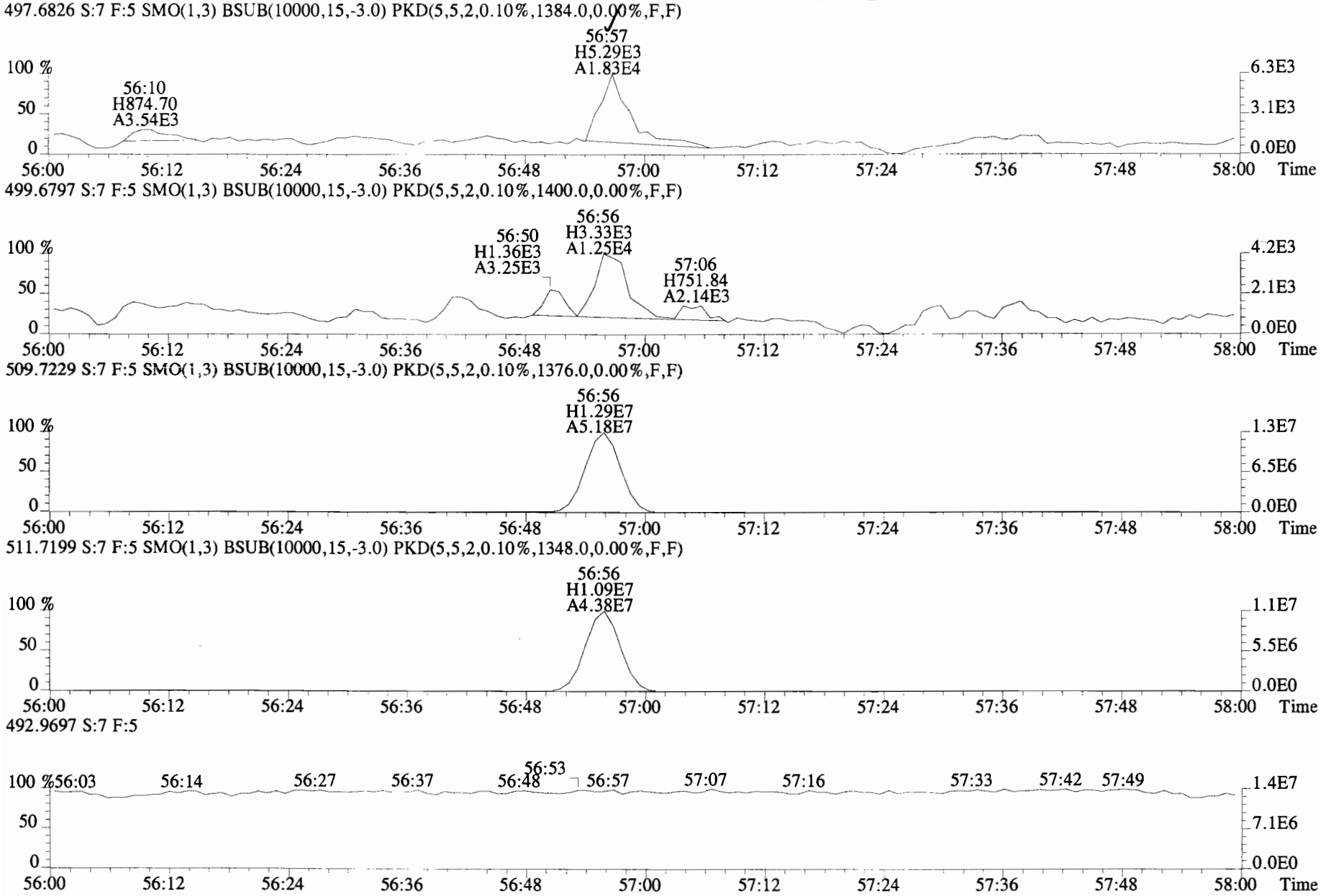
File:180409E1 #1-407 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
463.7216 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1260.0,0.00%,F,F)



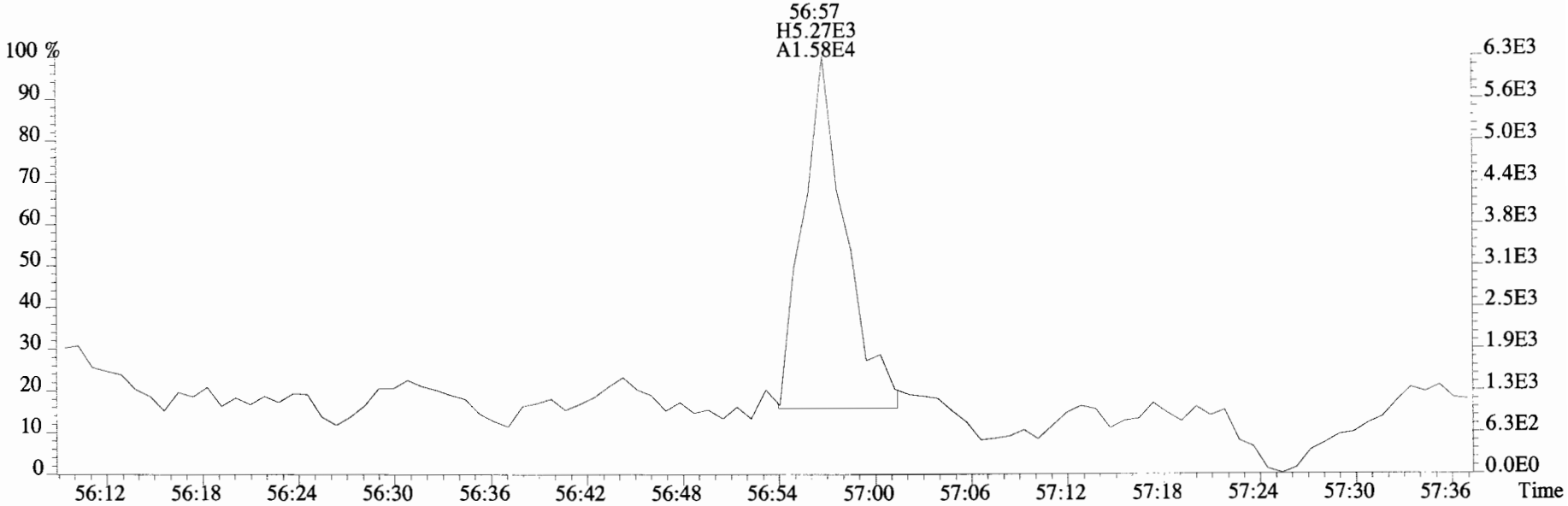

465.7186 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1364.0,0.00%,F,F)



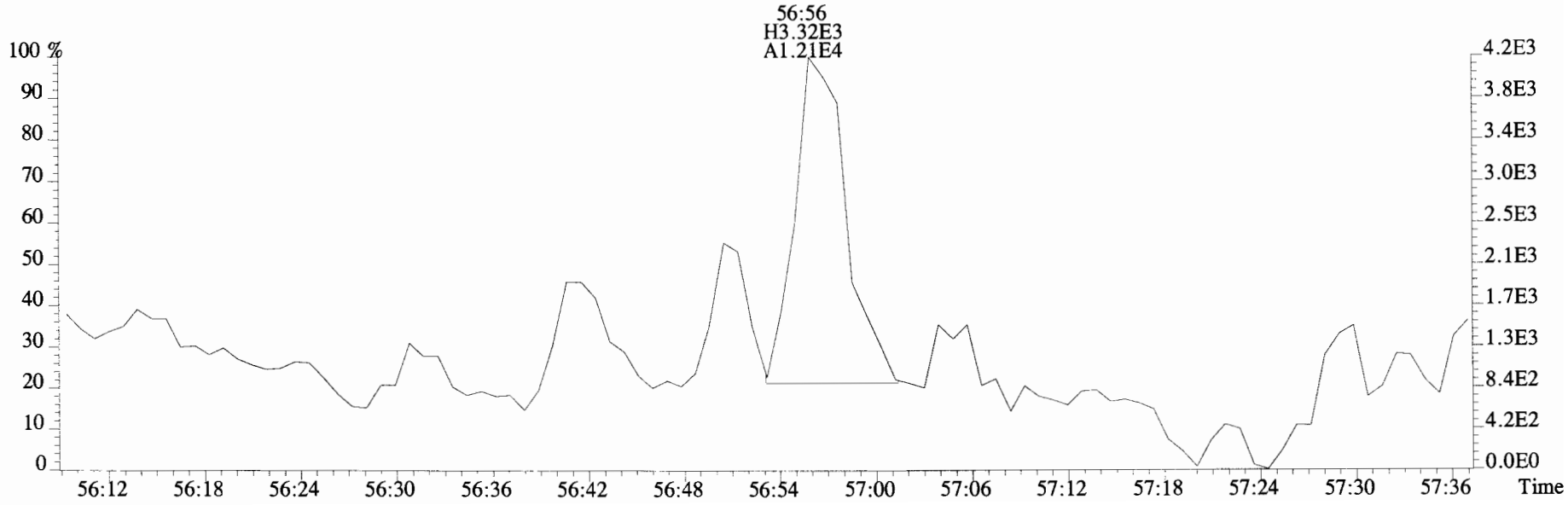
File:180409E1 #1-407 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1



File:180409E1 #1-407 Acq:10-APR-2018 00:04:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG-8 Text:1701560-01 OWS-BAFA-T171026131438 1 Exp:PCB_ZB1
497.6826 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1384.0,0.00%,F,F)




499.6797 S:7 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1400.0,0.00%,F,F)



Client ID: OWS-BDUP-T171026131726 Filename: 180409E1 S:8 Acq:10-APR-18 01:09:38 ConCal: ST180409E1-1 
Lab ID: 1701560-02 GC Column ID: ZB-1 ICal. PCBVG8-2-8-18 wt/vol: 0.982 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | * | * | n NotF╗ | 1.07 | * | | 1630 | 2.5 | 1.30 | * | 0.996-1.006 |
| Mono | PCB-2 | * | * | n NotF╗ | 1.06 | * | | 1630 | 2.5 | 1.29 | * | 0.983-0.993 |
| Mono | PCB-3 | * | * | n NotF╗ | 1.06 | * | | 1630 | 2.5 | 1.29 | * | 0.996-1.006 |
| Di | PCB-4/10 | 5.05e+06 | 1.38 | y 19:59 | 1.24 | 132.1 | | * | 2.5 | * | 1.003 | 0.998-1.008 |
| Di | PCB-7/9 | * | * | n NotF╗ | 0.99 | * | | 3620 | 2.5 | 1.52 | * | 0.863-0.871 |
| Di | PCB-6 | * | * | n NotF╗ | 1.06 | * | | 3620 | 2.5 | 1.43 | * | 0.888-0.897 |
| Di | PCB-5/8 | * | * | n NotF╗ | 1.03 | * | | 14300 | 1.0 | 2.32 | * | 0.904-0.913 |
| Di | PCB-14 | * | * | n NotF╗ | 1.03 | * | | 3620 | 2.5 | 1.32 | * | 0.948-0.958 |
| Di | PCB-11 | 7.13e+05 | 1.40 | y 25:09 | 1.11 | 9.605 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | * | * | n NotF╗ | 1.02 | * | | 3620 | 2.5 | 1.34 | * | 1.011-1.021 |
| Di | PCB-15 | 4.68e+05 | 1.49 | y 25:50 | 1.05 | 6.651 | | * | 2.5 | * | 1.028 | 1.023-1.033 |
| Tri | PCB-19 | 2.25e+06 | 1.04 | y 24:07 | 1.20 | 48.62 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | * | * | n NotF╗ | 1.93 | * | | 1640 | 2.5 | 0.435 | * | 1.034-1.044 |
| Tri | PCB-18 | 1.54e+06 | 0.95 | y 25:46 | 0.91 | 26.09 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 4.35e+05 | 1.18 | y 25:56 | 0.84 | 7.990 | | * | 2.5 | * | 0.959 | 0.955-0.965 |
| Tri | PCB-24/27 | 9.09e+05 | 1.12 | y 26:30 | 1.15 | 12.21 | | * | 2.5 | * | 0.980 | 0.977-0.986 |
| Tri | PCB-16/32 | 2.07e+06 | 0.98 | y 27:02 | 1.02 | 31.33 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | * | * | n NotF╗ | 0.96 | * | | 1170 | 2.5 | 0.490 | * | 0.955-0.965 |
| Tri | PCB-23 | * | * | n NotF╗ | 0.95 | * | | 1170 | 2.5 | 0.497 | * | 0.958-0.968 |
| Tri | PCB-29 | * | * | n NotF╗ | 0.96 | * | | 1170 | 2.5 | 0.490 | * | 0.966-0.976 |
| Tri | PCB-26 | 1.92e+05 | 1.11 | y 28:24 | 1.00 | 3.096 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 5.16e+04 | 1.13 | y 28:33 | 1.06 | 0.7891 | | * | 2.5 | * | 0.984 | 0.980-0.990 |
| Tri | PCB-31 | 3.88e+05 | 1.20 | y 28:54 | 1.10 | 5.698 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 6.71e+05 | 1.08 | y 29:00 | 1.14 | 9.523 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 1.27e+05 | 0.89 | y 29:40 | 1.00 | 2.058 | | * | 2.5 | * | 1.023 | 1.017-1.027 |
| Tri | PCB-22 | 4.38e+04 | 1.40 | n 30:04 | 1.09 | 0.6510 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | * | * | n NotF╗ | 1.15 | * | | 1170 | 2.5 | 0.411 | * | 0.929-0.939 |
| Tri | PCB-39 | * | * | n NotF╗ | 1.07 | * | | 1170 | 2.5 | 0.442 | * | 0.943-0.953 |
| Tri | PCB-38 | * | * | n NotF╗ | 1.10 | * | | 1170 | 2.5 | 0.429 | * | 0.966-0.976 |
| Tri | PCB-35 | * | * | n NotF╗ | 1.12 | * | | 1170 | 2.5 | 0.421 | * | 0.982-0.992 |
| Tri | PCB-37 | 2.20e+05 | 0.95 | y 32:53 | 1.11 | 3.133 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 6.57e+04 | 0.76 | y 27:53 | 1.07 | 0.9486 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | * | * | n NotF╗ | 0.87 | * | | 1660 | 2.5 | 0.615 | * | 1.038-1.048 |
| Tetra | PCB-53 | 5.83e+05 | 0.77 | y 29:42 | 1.01 | 9.862 | | * | 2.5 | * | 0.946 | 0.940-0.950 |
| Tetra | PCB-51 | 1.50e+05 | 1.07 | n 30:02 | 1.10 | 2.325 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 4.80e+05 | 0.81 | y 30:27 | 0.87 | 9.399 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 1.96e+05 | 0.80 | y 30:57 | 0.84 | 3.998 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/10/18

Reviewed by: CT Date: 4/12/18

Client ID: OWS-BDUP-T171026131726 Filename: 180409E1 S:8 Acq:10-APR-18 01:09:38 ConCal: ST180409E1-1 
Lab ID: 1701560-02 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.982 BndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL | UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 1.79e+06 | 0.80 | y | 31:25 | 1.21 | 25.31 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Tetra | PCB-73 | * | * | n | NotF¶ | 1.45 | * | | 1660 | 2.5 | 0.429 | * | 1.000 | 1.010 |
| Tetra | PCB-43/49 | 1.02e+06 | 0.76 | y | 31:44 | 1.01 | 17.18 | | * | 2.5 | * | 1.011 | 1.005 | 1.015 |
| Tetra | PCB-47 | 6.02e+05 | 0.73 | y | 31:56 | 0.91 | 10.21 | | * | 2.5 | * | 1.001 | 0.995 | 1.005 |
| Tetra | PCB-48/75 | 3.05e+05 | 0.79 | y | 32:03 | 1.13 | 4.130 | | * | 2.5 | * | 1.004 | 0.999 | 1.009 |
| Tetra | PCB-65 | * | * | n | NotF¶ | 1.27 | * | | 1660 | 2.5 | 0.426 | * | 1.007 | 1.017 |
| Tetra | PCB-62 | * | * | n | NotF¶ | 1.10 | * | | 1660 | 2.5 | 0.494 | * | 1.011 | 1.021 |
| Tetra | PCB-44 | 1.42e+06 | 0.85 | y | 32:43 | 0.85 | 25.58 | | * | 2.5 | * | 1.025 | 1.020 | 1.030 |
| Tetra | PCB-42/59 | 5.55e+05 | 0.82 | y | 32:56 | 1.02 | 8.352 | | * | 2.5 | * | 1.032 | 1.027 | 1.037 |
| Tetra | PCB-41/64/71/72 | 1.78e+06 | 0.86 | y | 33:31 | 1.17 | 23.43 | | * | 2.5 | * | 1.050 | 1.046 | 1.056 |
| Tetra | PCB-68 | 5.56e+04 | 0.51 | n | 33:47 | 1.28 | 0.6683 | | * | 2.5 | * | 1.058 | 1.054 | 1.064 |
| Tetra | PCB-40 | 2.03e+05 | 0.80 | y | 34:00 | 0.62 | 5.004 | | * | 2.5 | * | 1.065 | 1.060 | 1.070 |
| Tetra | PCB-57 | * | * | n | NotF¶ | 1.13 | * | | 1660 | 2.5 | 0.422 | * | 0.965 | 0.975 |
| Tetra | PCB-67 | 5.91e+04 | 0.77 | y | 34:41 | 1.10 | 0.7006 | | * | 2.5 | * | 0.979 | 0.973 | 0.983 |
| Tetra | PCB-58 | * | * | n | NotF¶ | 1.12 | * | | 1660 | 2.5 | 0.424 | * | 0.977 | 0.987 |
| Tetra | PCB-63 | 5.16e+04 | 0.53 | n | 34:57 | 1.00 | 0.6739 | | * | 2.5 | * | 0.986 | 0.981 | 0.991 |
| Tetra | PCB-74 | 5.15e+05 | 0.73 | y | 35:14 | 1.18 | 5.686 | | * | 2.5 | * | 0.994 | 0.989 | 0.999 |
| Tetra | PCB-61/70 | 6.20e+05 | 0.73 | y | 35:26 | 1.03 | 7.886 | | * | 2.5 | * | 1.000 | 0.994 | 1.004 |
| Tetra | PCB-76/66 | 8.48e+05 | 0.78 | y | 35:39 | 1.13 | 9.766 | | * | 2.5 | * | 1.006 | 1.000 | 1.010 |
| Tetra | PCB-80 | * | * | n | NotF¶ | 1.19 | * | | 1660 | 2.5 | 0.403 | * | 0.995 | 1.005 |
| Tetra | PCB-55 | * | * | n | NotF¶ | 1.16 | * | | 1660 | 2.5 | 0.415 | * | 1.004 | 1.014 |
| Tetra | PCB-56/60 | 5.25e+05 | 0.75 | y | 36:40 | 1.04 | 6.522 | | * | 2.5 | * | 1.023 | 1.018 | 1.028 |
| Tetra | PCB-79 | * | * | n | NotF¶ | 1.17 | * | | 1660 | 2.5 | 0.412 | * | 1.047 | 1.057 |
| Tetra | PCB-78 | * | * | n | NotF¶ | 1.10 | * | | 1660 | 2.5 | 0.423 | * | 0.982 | 0.992 |
| Tetra | PCB-81 | * | * | n | NotF¶ | 0.97 | * | | 1660 | 2.5 | 0.482 | * | 0.995 | 1.005 |
| Tetra | PCB-77 | 1.03e+05 | 0.87 | y | 39:34 | 1.08 | 1.221 | | * | 2.5 | * | 1.000 | 0.995 | 1.005 |
| Penta | PCB-104 | * | * | n | NotF¶ | 1.08 | * | | 1060 | 2.5 | 0.529 | * | 0.996 | 1.006 |
| Penta | PCB-96 | * | * | n | NotF¶ | 1.13 | * | | 1060 | 2.5 | 0.503 | * | 1.034 | 1.044 |
| Penta | PCB-103 | * | * | n | NotF¶ | 0.91 | * | | 1060 | 2.5 | 0.627 | * | 1.051 | 1.061 |
| Penta | PCB-100 | * | * | n | NotF¶ | 0.93 | * | | 1060 | 2.5 | 0.615 | * | 1.062 | 1.072 |
| Penta | PCB-94 | * | * | n | NotF¶ | 0.91 | * | | 1060 | 2.5 | 0.806 | * | 0.981 | 0.991 |
| Penta | PCB-95/98/102 | 4.10e+05 | 1.51 | y | 35:44 | 1.17 | 7.691 | | * | 2.5 | * | 1.000 | 0.994 | 1.004 |
| Penta | PCB-93 | * | * | n | NotF¶ | 0.93 | * | | 1060 | 2.5 | 0.796 | * | 0.997 | 1.007 |
| Penta | PCB-88/91 | 9.59e+04 | 1.45 | y | 36:08 | 0.97 | 2.165 | | * | 2.5 | * | 1.012 | 1.005 | 1.015 |
| Penta | PCB-121 | * | * | n | NotF¶ | 1.68 | * | | 1060 | 2.5 | 0.438 | * | 1.009 | 1.019 |
| Penta | PCB-84/92 | 1.80e+05 | 1.72 | y | 37:03 | 0.97 | 4.002 | | * | 2.5 | * | 0.990 | 0.985 | 0.995 |
| Penta | PCB-89 | * | * | n | NotF¶ | 1.06 | * | | 1060 | 2.5 | 0.675 | * | 0.990 | 1.000 |

Analyst: DB

Date: 4/10/18

Client ID: OWS-BDUP-T171026131726 Filename: 180409E1 S:8 Acq:10-APR-18 01:09:38 ConCal: ST180409E1-1 
Lab ID: 1701560-02 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.982 EndCAL: NA - -

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 3.40e+05 | 1.53 | y 37:26 | 1.08 | 6.826 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | * | * | n NotF╗ | 1.48 | * | | 1060 | 2.5 | 0.487 | * | 1.002-1.012 |
| Penta | PCB-99 | 1.38e+05 | 2.74 | n 37:45 | 1.25 | 2.380 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | * | * | n NotF╗ | 1.70 | * | | 1060 | 2.5 | 0.461 | * | 0.982-0.992 |
| Penta | PCB-108/112 | * | * | n NotF╗ | 1.40 | * | | 1060 | 2.5 | 0.558 | * | 0.986-0.996 |
| Penta | PCB-83 | * | * | n NotF╗ | 1.75 | * | | 1060 | 2.5 | 0.447 | * | 0.990-1.000 |
| Penta | PCB-97 | 1.23e+05 | 1.51 | y 38:43 | 1.17 | 2.476 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | * | * | n NotF╗ | 1.08 | * | | 1060 | 2.5 | 0.724 | * | 0.999-1.009 |
| Penta | PCB-87/117/125 | 1.75e+05 | 1.57 | y 39:01 | 1.55 | 2.676 | | * | 2.5 | * | 1.008 | 1.002-1.012 |
| Penta | PCB-111/115 | * | * | n NotF╗ | 1.79 | * | | 1060 | 2.5 | 0.437 | * | 1.006-1.016 |
| Penta | PCB-85/116 | 7.09e+04 | 1.43 | y 39:16 | 1.29 | 1.303 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | * | * | n NotF╗ | 1.98 | * | | 1060 | 2.5 | 0.395 | * | 1.016-1.026 |
| Penta | PCB-110 | 5.46e+05 | 1.54 | y 39:40 | 1.69 | 7.679 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 4.91e+04 | 1.16 | n 40:17 | 0.81 | 1.006 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | * | * | n NotF╗ | 1.30 | * | | 1060 | 2.5 | 0.430 | * | 0.988-0.998 |
| Penta | PCB-107/109 | * | * | n NotF╗ | 1.31 | * | | 1060 | 2.5 | 0.424 | * | 0.991-1.001 |
| Penta | PCB-123 | * | * | n NotF╗ | 1.12 | * | | 1060 | 2.5 | 0.498 | * | 0.996-1.006 |
| Penta | PCB-106/118 | 3.16e+05 | 1.69 | y 41:29 | 1.18 | 4.370 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-114 | * | * | n NotF╗ | 1.11 | * | | 1160 | 2.5 | 0.622 | * | 0.995-1.005 |
| Penta | PCB-122 | * | * | n NotF╗ | 1.03 | * | | 1160 | 2.5 | 0.674 | * | 0.999-1.009 |
| Penta | PCB-105 | 1.27e+05 | 1.39 | y 42:58 | 1.12 | 2.238 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-127 | * | * | n NotF╗ | 1.12 | * | | 1160 | 2.5 | 0.637 | * | 0.995-1.005 |
| Penta | PCB-126 | * | * | n NotF╗ | 1.20 | * | | 1160 | 2.5 | 0.649 | * | 0.995-1.005 |
| Hexa | PCB-155 | * | * | n NotF╗ | 0.99 | * | | 1570 | 2.5 | 0.838 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n NotF╗ | 1.02 | * | | 1570 | 2.5 | 0.809 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n NotF╗ | 1.16 | * | | 1570 | 2.5 | 0.717 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n NotF╗ | 1.13 | * | | 1570 | 2.5 | 0.735 | * | 1.054-1.064 |
| Hexa | PCB-136 | 3.76e+04 | 0.77 | n 39:28 | 1.02 | 0.6868 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n NotF╗ | 0.77 | * | | 1570 | 2.5 | 1.07 | * | 1.066-1.076 |
| Hexa | PCB-154 | * | * | n NotF╗ | 0.88 | * | | 1570 | 2.5 | 0.947 | * | 1.079-1.089 |
| Hexa | PCB-151 | 3.67e+04 | 1.67 | n 40:43 | 0.75 | 0.9114 | | * | 2.5 | * | 1.102 | 1.095-1.107 |
| Hexa | PCB-135 | 3.47e+04 | 1.53 | n 40:56 | 0.86 | 0.7526 | | * | 2.5 | * | 1.108 | 1.101-1.113 |
| Hexa | PCB-144 | * | * | n NotF╗ | 0.77 | * | | 1570 | 2.5 | 1.08 | * | 1.105-1.116 |
| Hexa | PCB-147 | * | * | n NotF╗ | 0.80 | * | | 1570 | 2.5 | 1.03 | * | 1.108-1.120 |
| Hexa | PCB-139/149 | 1.52e+05 | 1.32 | y 41:25 | 0.88 | 3.234 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | * | * | n NotF╗ | 0.77 | * | | 1570 | 2.5 | 1.08 | * | 1.120-1.132 |
| Hexa | PCB-134/143 | * | * | n NotF╗ | 0.76 | * | | 1090 | 2.5 | 0.641 | * | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: OWS-BDUP-T171026131726 Filename: 180409E1 S:8 Acq:10-APR-18 01:09:38 ConCal: ST180409E1-1
Lab ID: 1701560-02 GC Column ID: ZB-1 ICal: PCBVC8-2-8-18 wt/vol: 0.982 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | * | * | n NotF╗ | 0.82 | * | | 1090 | 2.5 | 0.599 | * | 0.977-0.987 |
| Hexa | PCB-142 | * | * | n NotF╗ | 0.73 | * | | 1090 | 2.5 | 0.668 | * | 0.981-0.991 |
| Hexa | PCB-146/165 | * | * | n NotF╗ | 1.02 | * | | 1090 | 2.5 | 0.479 | * | 0.986-0.996 |
| Hexa | PCB-132/161 | 5.44e+04 | 2.02 | n 43:01 | 1.00 | 0.8427 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 2.08e+05 | 1.29 | y 43:09 | 1.08 | 2.999 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | * | * | n NotF╗ | 1.12 | * | | 1090 | 2.5 | 0.438 | * | 1.000-1.010 |
| Hexa | PCB-141 | 4.25e+04 | 1.16 | y 43:53 | 1.02 | 0.7612 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | * | * | n NotF╗ | 1.10 | * | | 1090 | 2.5 | 0.516 | * | 1.004-1.014 |
| Hexa | PCB-130 | * | * | n NotF╗ | 0.81 | * | | 1090 | 2.5 | 0.707 | * | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 2.19e+05 | 1.68 | n 44:44 | 1.23 | 3.074 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-158/160 | 4.54e+04 | 1.64 | n 44:59 | 1.18 | 0.6671 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | * | * | n NotF╗ | 0.78 | * | | 1090 | 2.5 | 0.666 | * | 1.007-1.017 |
| Hexa | PCB-166 | * | * | n NotF╗ | 1.13 | * | | 1090 | 2.5 | 0.379 | * | 0.988-0.998 |
| Hexa | PCB-159 | * | * | n NotF╗ | 1.16 | * | | 1090 | 2.5 | 0.369 | * | 0.995-1.005 |
| Hexa | PCB-128/162 | 6.74e+04 | 1.19 | y 46:17 | 0.89 | 1.072 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Hexa | PCB-167 | * | * | n NotF╗ | 1.02 | * | | 1090 | 2.5 | 0.436 | * | 0.995-1.005 |
| Hexa | PCB-156 | 4.81e+04 | 1.34 | y 47:59 | 1.06 | 0.6335 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 3.58e+04 | 1.20 | y 48:14 | 1.02 | 0.4944 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | * | * | n NotF╗ | 1.13 | * | | 1090 | 2.5 | 0.399 | * | 0.995-1.005 |
| Hepta | PCB-188 | * | * | n NotF╗ | 1.37 | * | | 1470 | 2.5 | 0.379 | * | 0.995-1.005 |
| Hepta | PCB-184 | * | * | n NotF╗ | 1.32 | * | | 1470 | 2.5 | 0.394 | * | 1.006-1.016 |
| Hepta | PCB-179 | * | * | n NotF╗ | 1.38 | * | | 1470 | 2.5 | 0.375 | * | 1.024-1.034 |
| Hepta | PCB-176 | * | * | n NotF╗ | 1.31 | * | | 1470 | 2.5 | 0.396 | * | 1.035-1.045 |
| Hepta | PCB-186 | * | * | n NotF╗ | 1.42 | * | | 1470 | 2.5 | 0.365 | * | 1.049-1.059 |
| Hepta | PCB-178 | * | * | n NotF╗ | 0.97 | * | | 1470 | 2.5 | 0.535 | * | 1.060-1.070 |
| Hepta | PCB-175 | * | * | n NotF╗ | 1.00 | * | | 1470 | 2.5 | 0.520 | * | 1.069-1.079 |
| Hepta | PCB-182/187 | 6.32e+04 | 1.43 | n 46:03 | 1.14 | 1.109 | | * | 2.5 | * | 1.077 | 1.072-1.082 |
| Hepta | PCB-183 | * | * | n NotF╗ | 1.13 | * | | 1470 | 2.5 | 0.460 | * | 1.080-1.090 |
| Hepta | PCB-185 | * | * | n NotF╗ | 1.36 | * | | 1470 | 2.5 | 0.514 | * | 0.950-0.960 |
| Hepta | PCB-174 | * | * | n NotF╗ | 1.42 | * | | 1470 | 2.5 | 0.492 | * | 0.958-0.968 |
| Hepta | PCB-181 | * | * | n NotF╗ | 1.48 | * | | 1470 | 2.5 | 0.472 | * | 0.960-0.970 |
| Hepta | PCB-177 | * | * | n NotF╗ | 1.33 | * | | 1470 | 2.5 | 0.525 | * | 0.963-0.973 |
| Hepta | PCB-171 | * | * | n NotF╗ | 1.37 | * | | 1470 | 2.5 | 0.509 | * | 0.969-0.979 |
| Hepta | PCB-173 | * | * | n NotF╗ | 1.27 | * | | 1470 | 2.5 | 0.549 | * | 0.978-0.988 |
| Hepta | PCB-172 | * | * | n NotF╗ | 1.39 | * | | 1470 | 2.5 | 0.503 | * | 0.987-0.997 |
| Hepta | PCB-192 | * | * | n NotF╗ | 1.80 | * | | 1470 | 2.5 | 0.386 | * | 0.991-1.001 |
| Hepta | PCB-180 | 8.78e+04 | 1.08 | y 49:17 | 1.52 | 1.506 | | * | 2.5 | * | 1.001 | 0.995-1.005 |

Analyst: JB

Date: 4/10/18

Client ID: OWS-BDUP-T171026131726 Filename: 180409E1 S:8 Acq:10-APR-18 01:09:38 ConCal: ST180409E1-1 
Lab ID: 1701560-02 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.982 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | * | * | n NotF¶ | 1.71 | * | | 1470 | 2.5 | 0.407 | * | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n NotF¶ | 1.74 | * | | 1470 | 2.5 | 0.401 | * | 1.005-1.015 |
| Hepta | PCB-170 | * | * | n NotF¶ | 1.44 | * | | 1470 | 2.5 | 0.533 | * | 0.995-1.005 |
| Hepta | PCB-190 | * | * | n NotF¶ | 1.95 | * | | 1470 | 2.5 | 0.392 | * | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n NotF¶ | 1.46 | * | | 1470 | 2.5 | 0.337 | * | 0.995-1.005 |
| Octa | PCB-202 | * | * | n NotF¶ | 1.06 | * | | 1200 | 2.5 | 0.511 | * | 0.995-1.005 |
| Octa | PCB-201 | * | * | n NotF¶ | 0.98 | * | | 1200 | 2.5 | 0.553 | * | 1.006-1.016 |
| Octa | PCB-204 | * | * | n NotF¶ | 1.07 | * | | 1200 | 2.5 | 0.505 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n NotF¶ | 1.10 | * | | 1200 | 2.5 | 0.492 | * | 1.015-1.025 |
| Octa | PCB-200 | * | * | n NotF¶ | 1.04 | * | | 1200 | 2.5 | 0.519 | * | 1.034-1.044 |
| Octa | PCB-198 | * | * | n NotF¶ | 0.84 | * | | 1200 | 2.5 | 0.644 | * | 1.065-1.075 |
| Octa | PCB-199 | * | * | n NotF¶ | 0.80 | * | | 1200 | 2.5 | 0.676 | * | 1.067-1.077 |
| Octa | PCB-196/203 | * | * | n NotF¶ | 0.84 | * | | 1200 | 2.5 | 0.642 | * | 1.072-1.082 |
| Octa | PCB-195 | * | * | n NotF¶ | 1.04 | * | | 781 | 2.5 | 0.335 | * | 0.979-0.989 |
| Octa | PCB-194 | 4.41e+04 | 1.08 | n 54:03 | 1.16 | 1.019 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | * | * | n NotF¶ | 1.33 | * | | 781 | 2.5 | 0.261 | * | 1.000-1.010 |
| Nona | PCB-208 | * | * | n NotF¶ | 0.90 | * | | 789 | 2.5 | 0.244 | * | 0.995-1.005 |
| Nona | PCB-207 | * | * | n NotF¶ | 0.89 | * | | 789 | 2.5 | 0.246 | * | 1.001-1.011 |
| Nona | PCB-206 | * | * | n NotF¶ | 0.88 | * | | 789 | 2.5 | 0.323 | * | 0.995-1.005 |
| Deca | PCB-209 | * | * | n NotF¶ | 1.04 | * | | 731 | 2.5 | 0.318 | * | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: OWS-BDUP-T171026131726 Filename: 180409E1 S:8 Acq:10-APR-18 01:09:38 ConCal: ST180409E1-1
Lab ID: 1701560-02 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.982 EndCAL: NA

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | * | * | n | NotFnd | 1.06 | * | |
| Total Di-PCB | 6.24e+06 | 1.38 | y | 19:59 | 1.04 | 148.401 | |
| Total Tri-PCB | 7.21e+06 | 1.04 | y | 24:07 | 1.15 | 126.242 | |
| Total Tri-PCB | 1.65e+06 | 1.11 | y | 28:24 | 1.05 | 24.2958 | Sum:150.538 |
| Total Tetra-PCB | 1.17e+07 | 0.76 | y | 27:53 | 1.06 | 175.170 | |
| Total Penta-PCB | 2.26e+06 | 1.51 | y | 35:44 | 1.18 | 39.1870 | |
| Total Penta-PCB | 1.27e+05 | 1.39 | y | 42:58 | 1.12 | 2.23751 | Sum:41.4245 |
| Total Hexa-PCB | 1.52e+05 | 1.32 | y | 41:25 | 0.91 | 3.23445 | |
| Total Hexa-PCB | 4.02e+05 | 1.29 | y | 43:09 | 1.00 | 5.95988 | Sum:9.19433 |
| Total Hepta-PCB | 8.78e+04 | 1.08 | y | 49:17 | 1.35 | 1.50558 | |
| Total Octa-PCB | * | * | n | NotFnd | 0.95 | * | |
| Total Octa-PCB | * | * | n | NotFnd | 1.17 | * | Sum:0.00000 |
| Total Nona-PCB | * | * | n | NotFnd | 0.89 | * | |
| Total Deca-PCB | * | * | n | NotFnd | 1.04 | * | |

Total PCB Conc:542.999288000

Integrations by Analyst: DB

Date: 4/10/18

Client ID: OWS-BDUP-T171026131726 Filename: 180409E1 S:8 Acq:10-APR-18 01:09:38 ConCal: ST180409E1-1
Lab ID: 1701560-02 CC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:0.9824 EndCAL. NA

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 7.73e+07 | 3.17 y | 1.13 | 15:58 | 0.618 | 0.616 | 0.622 | 737 | 36.2 |
| 13C-PCB-3 | 8.71e+07 | 3.19 y | 1.21 | 18:36 | 0.720 | 0.716 | 0.724 | 776 | 38.1 |
| 13C-PCB-4 | 6.30e+07 | 1.56 y | 0.59 | 19:56 | 0.772 | 0.769 | 0.777 | 1140 | 56.1 |
| 13C-PCB-9 | 1.12e+08 | 1.52 y | 0.94 | 21:44 | 0.841 | 0.837 | 0.845 | 1280 | 63.0 |
| 13C-PCB-11 | 1.36e+08 | 1.53 y | 0.95 | 25:08 | 0.973 | 0.968 | 0.978 | 1550 | 75.9 |
| 13C-PCB-19 | 7.88e+07 | 1.06 y | 0.62 | 24:06 | 0.933 | 0.928 | 0.938 | 1360 | 66.9 |
| 13C-PCB-28 | 1.26e+08 | 1.07 y | 1.05 | 29:00 | 1.004 | 0.999 | 1.009 | 1630 | 79.9 |
| 13C-PCB-32 | 1.32e+08 | 1.05 y | 0.91 | 27:02 | 1.046 | 1.041 | 1.051 | 1560 | 76.7 |
| 13C-PCB-37 | 1.29e+08 | 1.08 y | 1.02 | 32:52 | 1.138 | 1.132 | 1.144 | 1710 | 83.9 |
| 13C-PCB-47 | 1.32e+08 | 0.78 y | 0.83 | 31:55 | 0.870 | 0.867 | 0.875 | 1890 | 92.6 |
| 13C-PCB-52 | 1.19e+08 | 0.79 y | 0.76 | 31:24 | 0.856 | 0.853 | 0.861 | 1850 | 90.9 |
| 13C-PCB-54 | 1.31e+08 | 0.79 y | 0.93 | 27:51 | 0.760 | 0.756 | 0.764 | 1680 | 82.4 |
| 13C-PCB-70 | 1.56e+08 | 0.80 y | 1.00 | 35:26 | 0.966 | 0.961 | 0.971 | 1850 | 91.0 |
| 13C-PCB-77 | 1.58e+08 | 0.81 y | 0.96 | 39:33 | 1.079 | 1.073 | 1.083 | 1960 | 96.2 |
| 13C-PCB-80 | 1.57e+08 | 0.78 y | 1.00 | 35:51 | 0.978 | 0.973 | 0.983 | 1870 | 91.9 |
| 13C-PCB-81 | 1.65e+08 | 0.79 y | 1.01 | 38:57 | 1.062 | 1.057 | 1.067 | 1950 | 95.7 |
| 13C-PCB-95 | 9.26e+07 | 1.58 y | 0.80 | 35:43 | 0.912 | 0.908 | 0.918 | 1740 | 85.5 |
| 13C-PCB-97 | 8.58e+07 | 1.58 y | 0.70 | 38:43 | 0.989 | 0.984 | 0.994 | 1850 | 90.7 |
| 13C-PCB-101 | 9.43e+07 | 1.59 y | 0.80 | 37:25 | 0.956 | 0.951 | 0.961 | 1770 | 87.1 |
| 13C-PCB-104 | 1.16e+08 | 1.56 y | 1.01 | 32:34 | 0.832 | 0.828 | 0.836 | 1740 | 85.6 |
| 13C-PCB-105 | 1.03e+08 | 1.58 y | 1.14 | 42:58 | 0.929 | 0.924 | 0.934 | 1640 | 80.5 |
| 13C-PCB-114 | 1.11e+08 | 1.59 y | 1.18 | 42:06 | 0.910 | 0.905 | 0.915 | 1700 | 83.4 |
| 13C-PCB-118 | 1.25e+08 | 1.62 y | 1.00 | 41:28 | 1.059 | 1.054 | 1.064 | 1890 | 92.9 |
| 13C-PCB-123 | 1.23e+08 | 1.56 y | 0.95 | 41:16 | 1.054 | 1.049 | 1.059 | 1970 | 96.7 |
| 13C-PCB-126 | 1.01e+08 | 1.59 y | 1.14 | 45:12 | 0.977 | 0.972 | 0.982 | 1620 | 79.5 |
| 13C-PCB-127 | 1.10e+08 | 1.60 y | 1.24 | 43:19 | 0.937 | 0.931 | 0.941 | 1600 | 78.7 |
| 13C-PCB-138 | 1.17e+08 | 1.25 y | 1.17 | 44:43 | 0.967 | 0.962 | 0.972 | 1810 | 89.1 |
| 13C-PCB-141 | 1.12e+08 | 1.26 y | 1.11 | 43:52 | 0.948 | 0.944 | 0.954 | 1830 | 90.0 |
| 13C-PCB-153 | 1.31e+08 | 1.25 y | 1.34 | 43:08 | 0.933 | 0.928 | 0.938 | 1780 | 87.4 |
| 13C-PCB-155 | 1.09e+08 | 1.27 y | 0.83 | 36:57 | 0.944 | 0.939 | 0.949 | 1990 | 97.9 |
| 13C-PCB-156 | 1.45e+08 | 1.25 y | 1.38 | 47:58 | 1.037 | 1.032 | 1.042 | 1910 | 93.8 |
| 13C-PCB-157 | 1.44e+08 | 1.27 y | 1.37 | 48:14 | 1.043 | 1.037 | 1.047 | 1900 | 93.4 |
| 13C-PCB-159 | 1.44e+08 | 1.26 y | 1.39 | 46:00 | 0.995 | 0.989 | 0.999 | 1880 | 92.3 |
| 13C-PCB-167 | 1.44e+08 | 1.30 y | 1.40 | 46:40 | 1.009 | 1.004 | 1.014 | 1870 | 91.9 |
| 13C-PCB-169 | 1.42e+08 | 1.27 y | 1.39 | 50:27 | 1.091 | 1.085 | 1.095 | 1860 | 91.3 |
| 13C-PCB-170 | 6.85e+07 | 0.47 y | 0.86 | 50:51 | 1.103 | 1.097 | 1.109 | 1910 | 94.0 |
| 13C-PCB-180 | 7.83e+07 | 0.46 y | 0.98 | 49:15 | 1.069 | 1.064 | 1.074 | 1920 | 94.5 |
| 13C-PCB-188 | 1.02e+08 | 0.45 y | 1.40 | 42:46 | 0.928 | 0.923 | 0.933 | 1740 | 85.7 |
| 13C-PCB-189 | 9.34e+07 | 0.45 y | 1.15 | 52:28 | 1.139 | 1.132 | 1.144 | 1950 | 95.9 |
| 13C-PCB-194 | 7.61e+07 | 0.90 y | 0.77 | 54:02 | 0.995 | 0.990 | 1.000 | 1800 | 88.4 |
| 13C-PCB-202 | 1.08e+08 | 0.91 y | 1.28 | 48:10 | 1.045 | 1.040 | 1.050 | 2010 | 99.0 |
| 13C-PCB-206 | 9.55e+07 | 0.77 y | 0.81 | 55:36 | 1.024 | 1.019 | 1.029 | 2150 | 106 |
| 13C-PCB-208 | 1.17e+08 | 0.78 y | 1.09 | 53:18 | 0.982 | 0.977 | 0.987 | 1960 | 96.2 |
| 13C-PCB-209 | 9.88e+07 | 1.20 y | 0.74 | 56:56 | 1.048 | 1.043 | 1.053 | 2450 | 120 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.90e+08 | 0.79 y | 1.03 | 37:44 | 1.029 | 1.024 | 1.034 | 2190 | 107 |
| 13C-PCB-178 | 8.31e+07 | 0.45 y | 0.93 | 45:33 | 0.985 | 0.980 | 0.990 | 2150 | 106 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.90e+08 | 0.79 y | 1.03 | 37:44 | 0.969 | 0.963 | 0.973 | 2290 | 112 |
| 13C-PCB-178 | 8.31e+07 | 0.45 y | 0.95 | 45:33 | 0.925 | 0.920 | 0.930 | 2270 | 112 |

RS

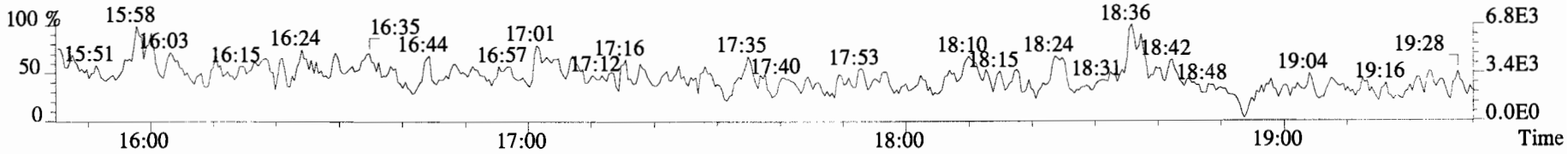
| Name | Resp | RA | | RRF | RT | Conc |
|---|---|---|---|---|---|---|
| 13C-PCB-15 | 1.89e+08 | 1.53 | y | 1.00 | 25:50 | 2040 |
| 13C-PCB-31 | 1.51e+08 | 1.09 | y | 1.00 | 28:53 | 2040 |
| 13C-PCB-60 | 1.71e+08 | 0.78 | y | 1.00 | 36:40 | 2040 |
| 13C-PCB-111 | 1.35e+08 | 1.58 | y | 1.00 | 39:09 | 2040 |
| 13C-PCB-128 | 1.12e+08 | 1.27 | y | 1.00 | 46:15 | 2040 |
| 13C-PCB-182 | 8.48e+07 | 0.45 | y | 1.00 | 46:05 | 2040 |
| 13C-PCB-205 | 1.12e+08 | 0.91 | y | 1.00 | 54:18 | 2040 |

Analyst: DB

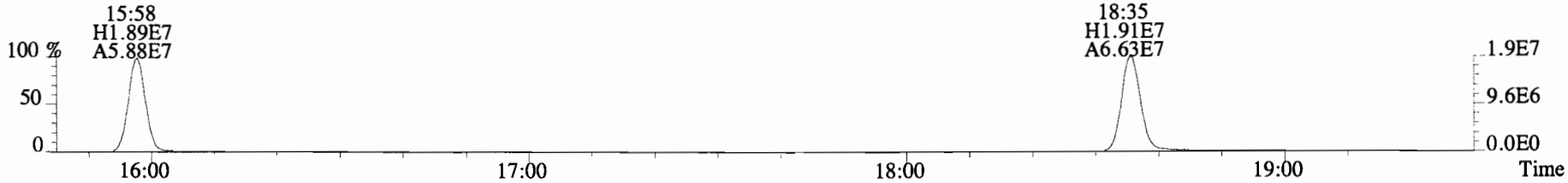
Date: 4/10/18

File:180409E1 #1-867 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
188.0393 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5808.0,0.00%,F,F)

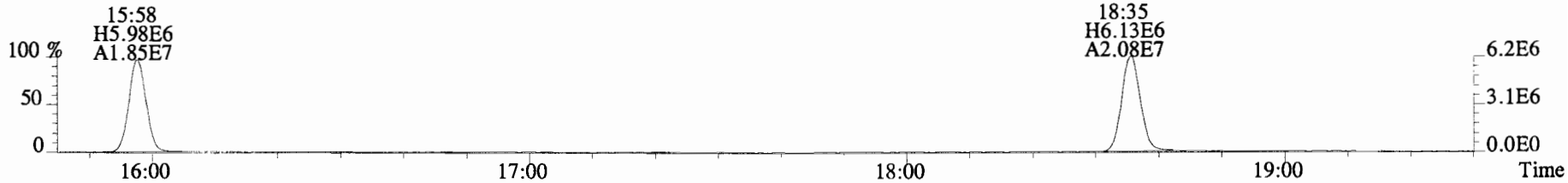
190.0363 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3904.0,0.00%,F,F)



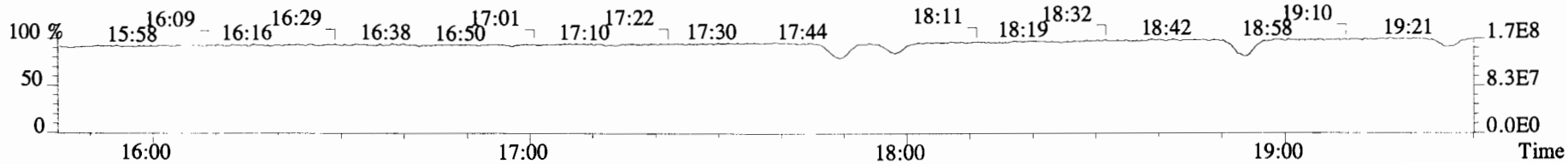

200.0795 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6732.0,0.00%,F,F)




202.0766 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33440.0,0.00%,F,F)

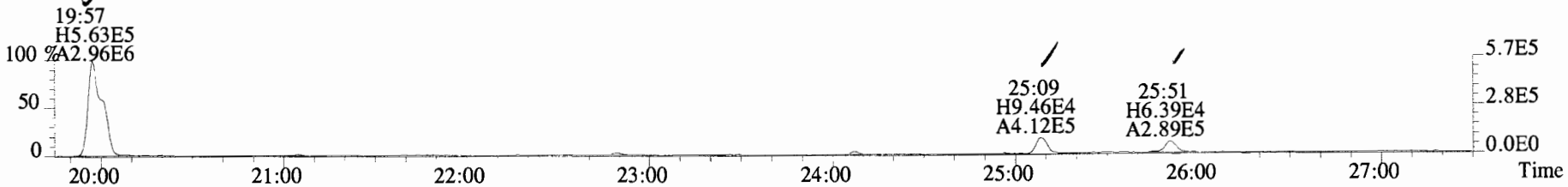



180.9880 S:8

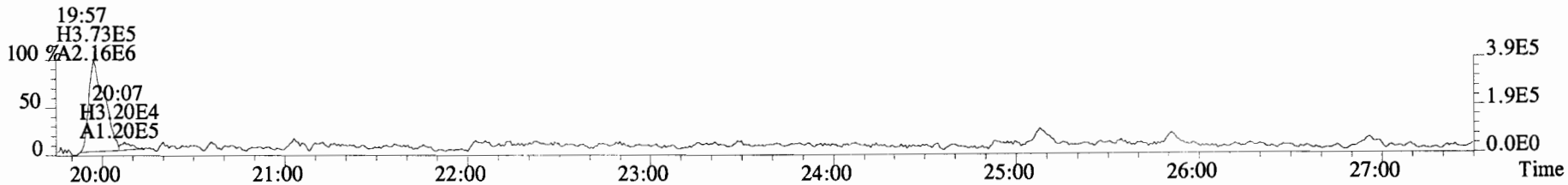


File:180409E1 #1-757 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1

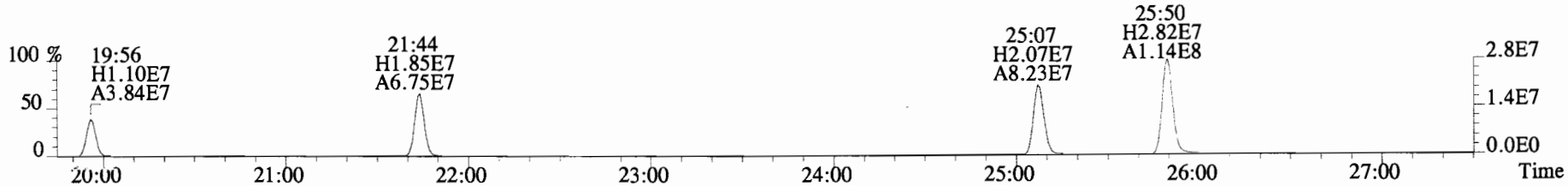
222.0003 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4216.0,0.00%,F,F)



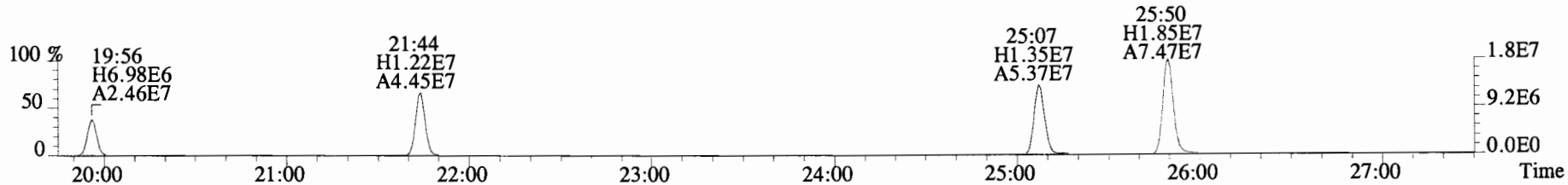

223.9974 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,46028.0,0.00%,F,F)



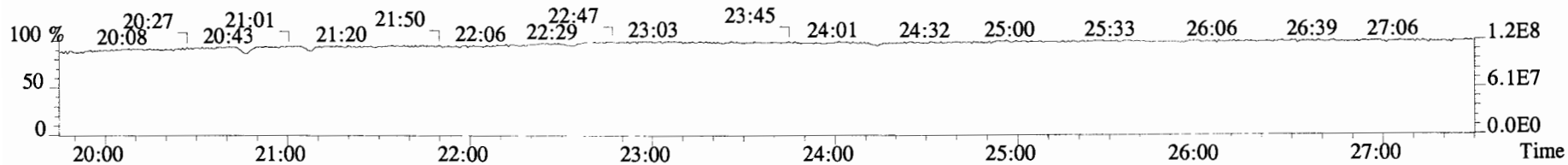

234.0406 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4600.0,0.00%,F,F)



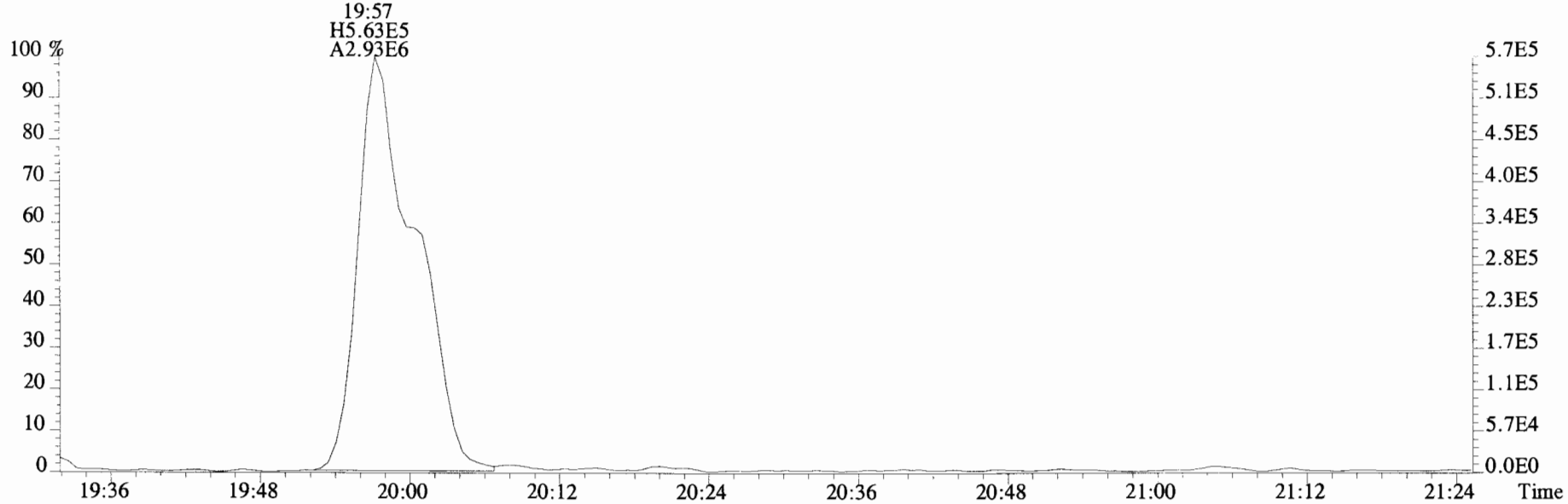

236.0376 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3784.0,0.00%,F,F)



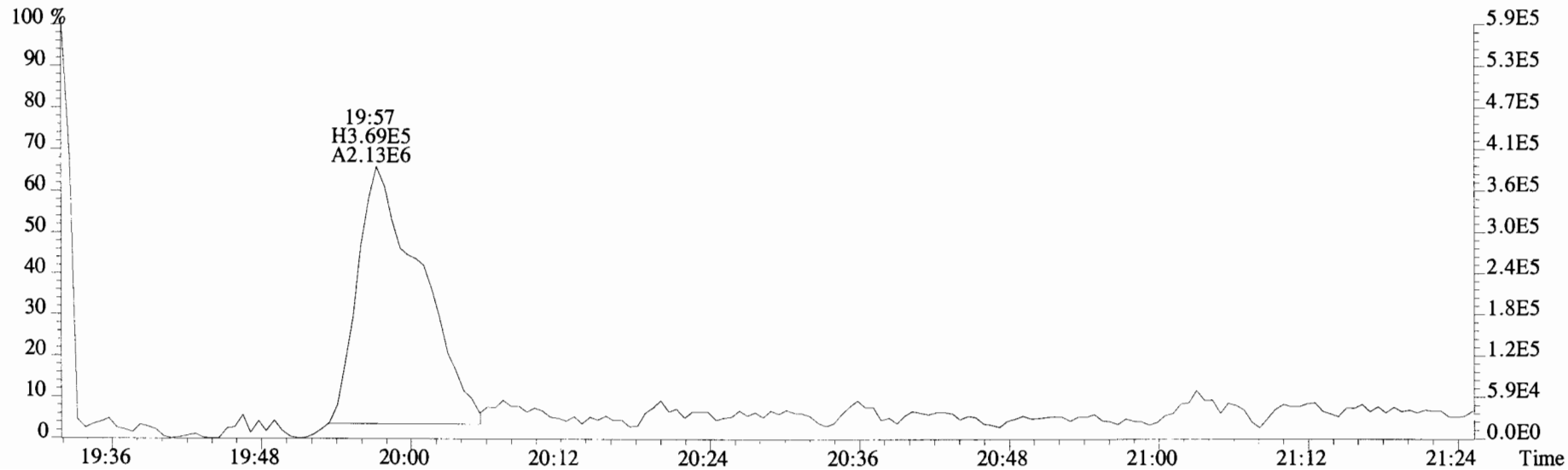

230.9856 S:8 F:2



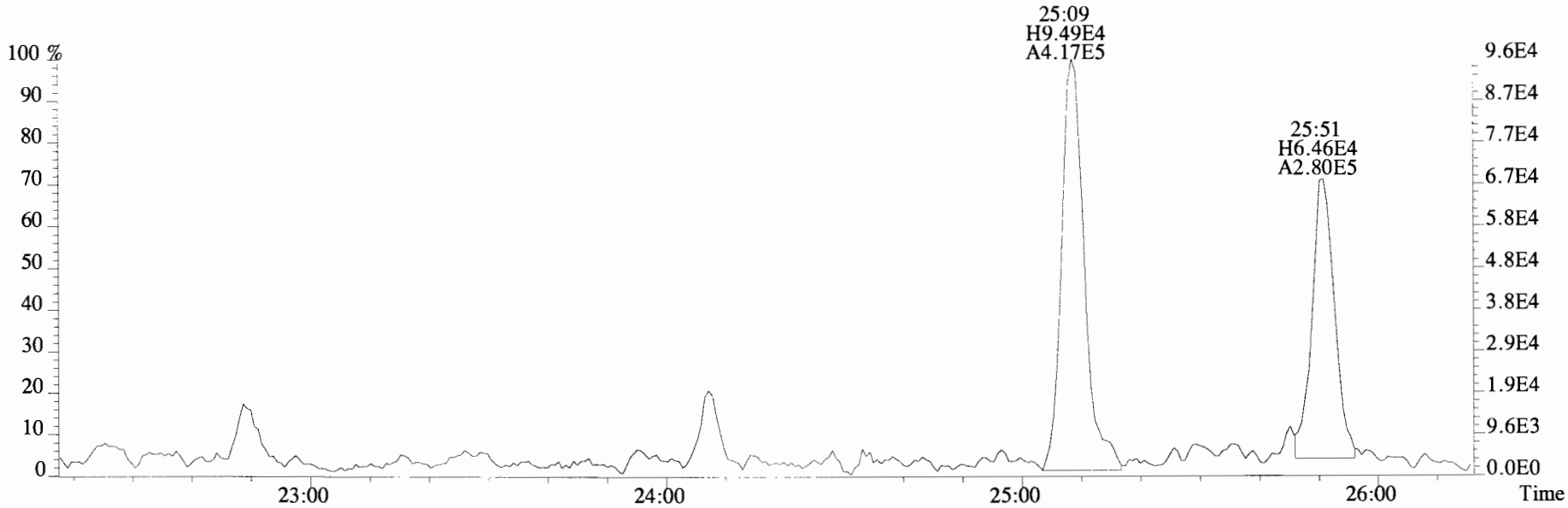
File:180409E1 #1-757 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
222.0003 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4216.0,0.00%,F,F)



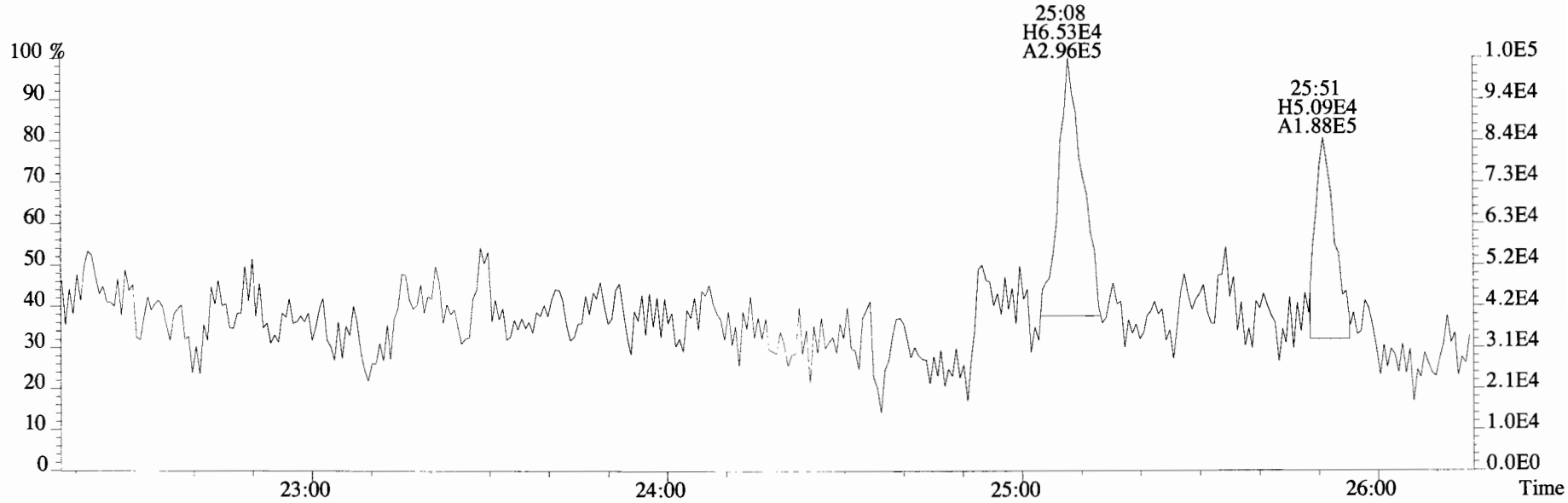

223.9974 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,46028.0,0.00%,F,F)



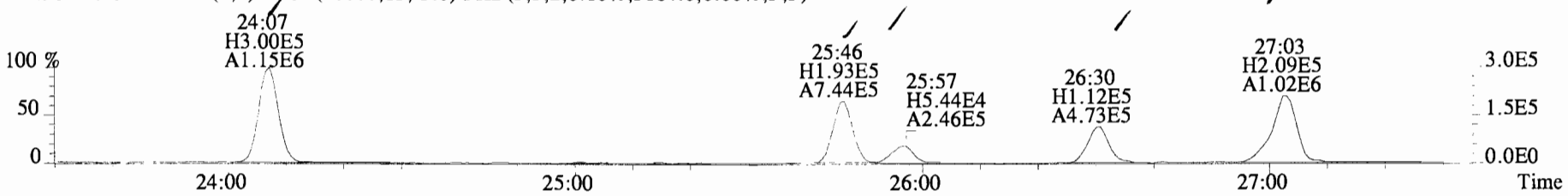
File:180409E1 #1-757 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
222.0003 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4216.0,0.00%,F,F)



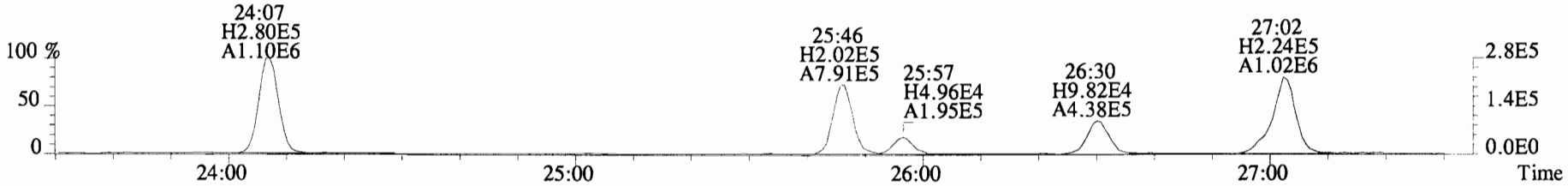

223.9974 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,46028.0,0.00%,F,F)



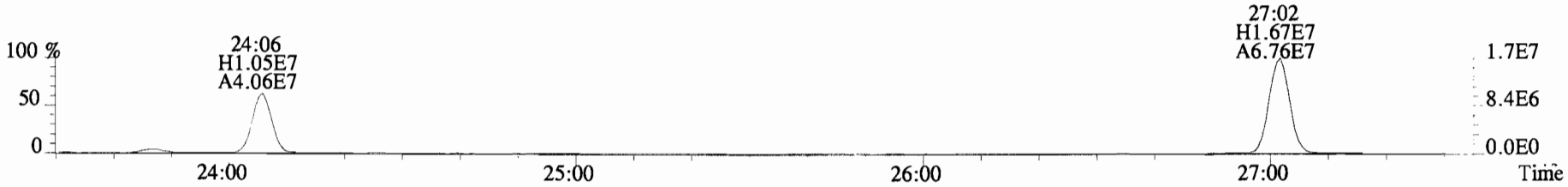
File:180409E1 #1-757 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
255.9613 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3184.0,0.00%,F,F)



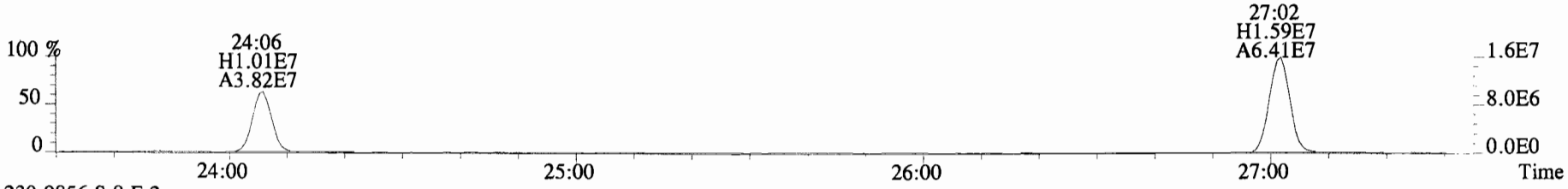

257.9584 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2472.0,0.00%,F,F)



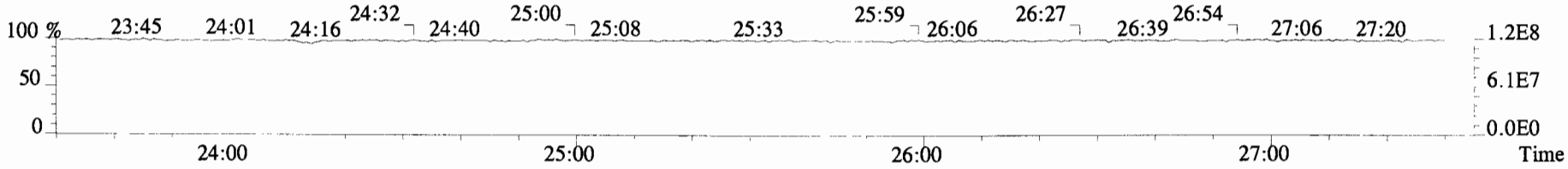

268.0016 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,77160.0,0.00%,F,F)



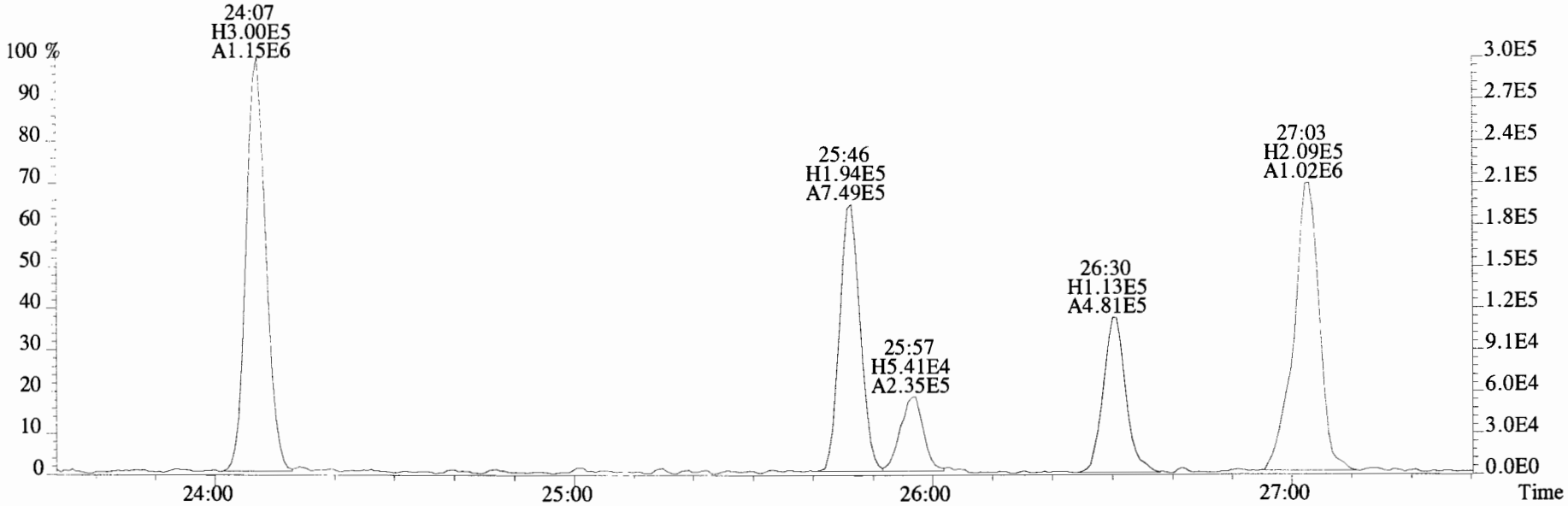

269.9986 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,74220.0,0.00%,F,F)



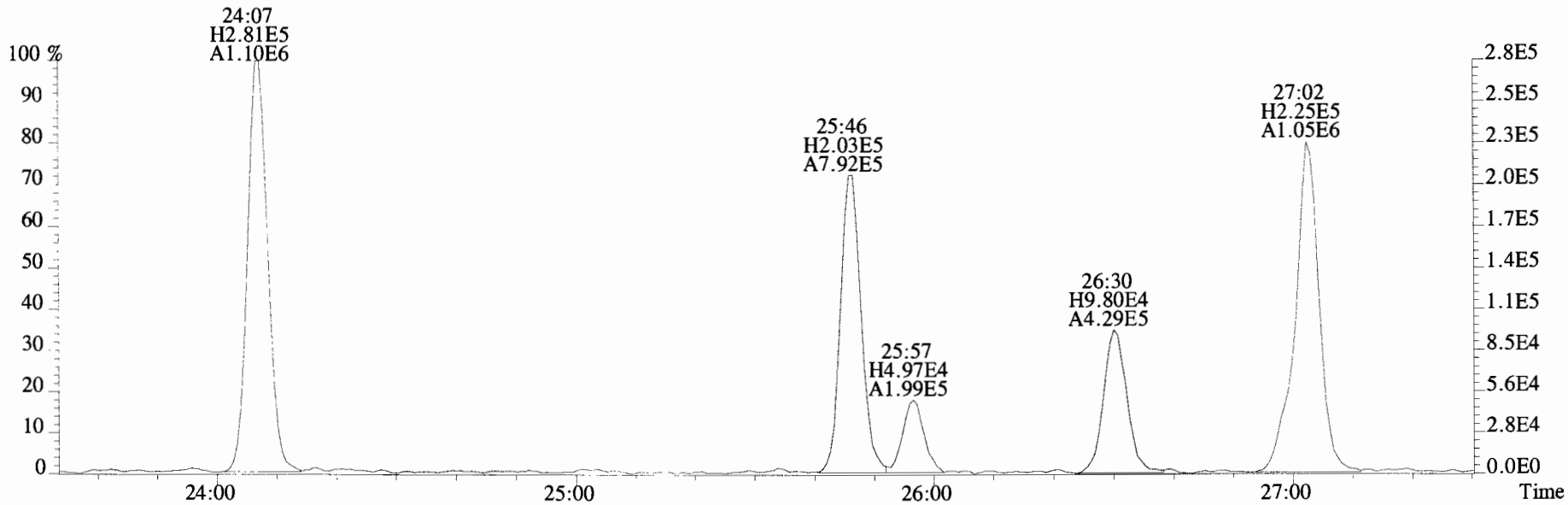

230.9856 S:8 F:2



File:180409E1 #1-757 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
255.9613 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3184.0,0.00%,F,F)

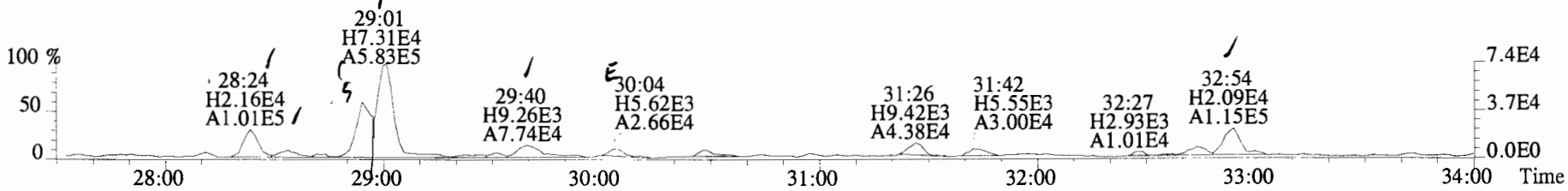



257.9584 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2472.0,0.00%,F,F)

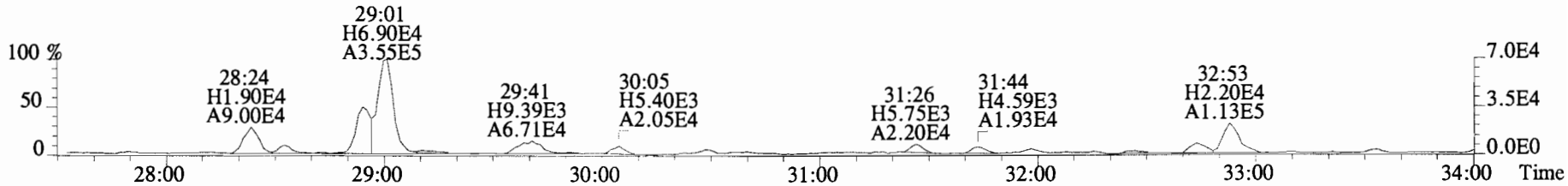


File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1

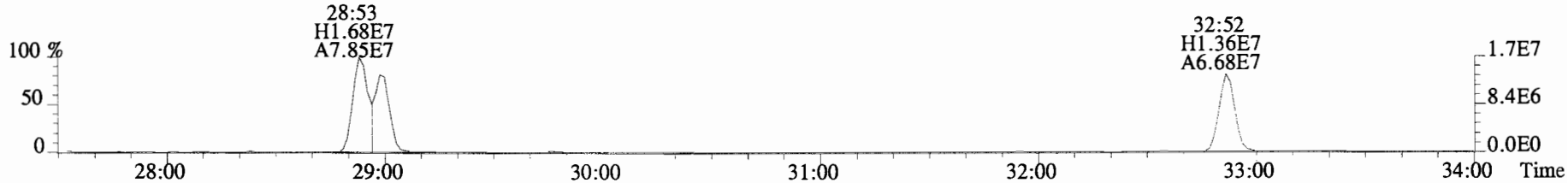
255.9613 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3068.0,0.00%,F,F)



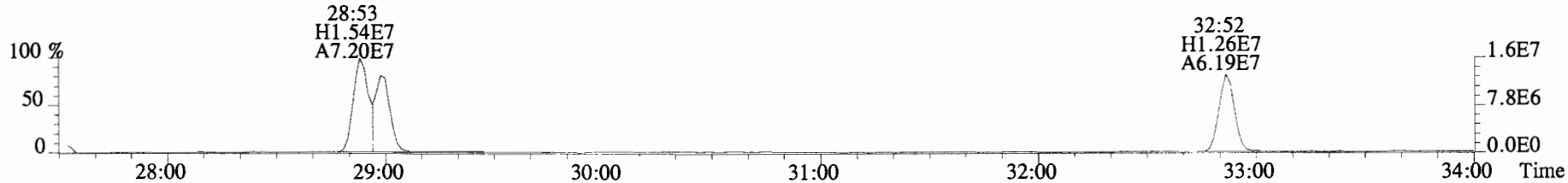

257.9584 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



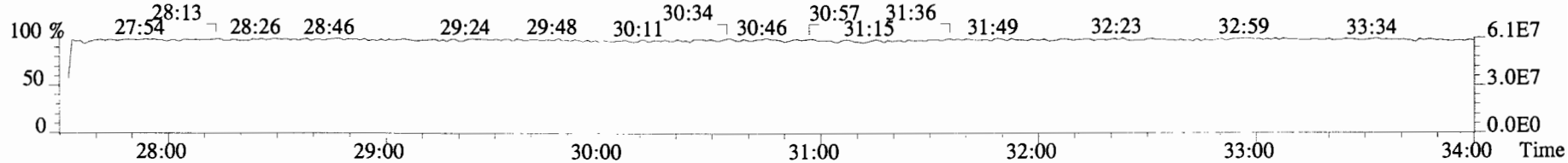

268.0016 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,108752.0,0.00%,F,F)



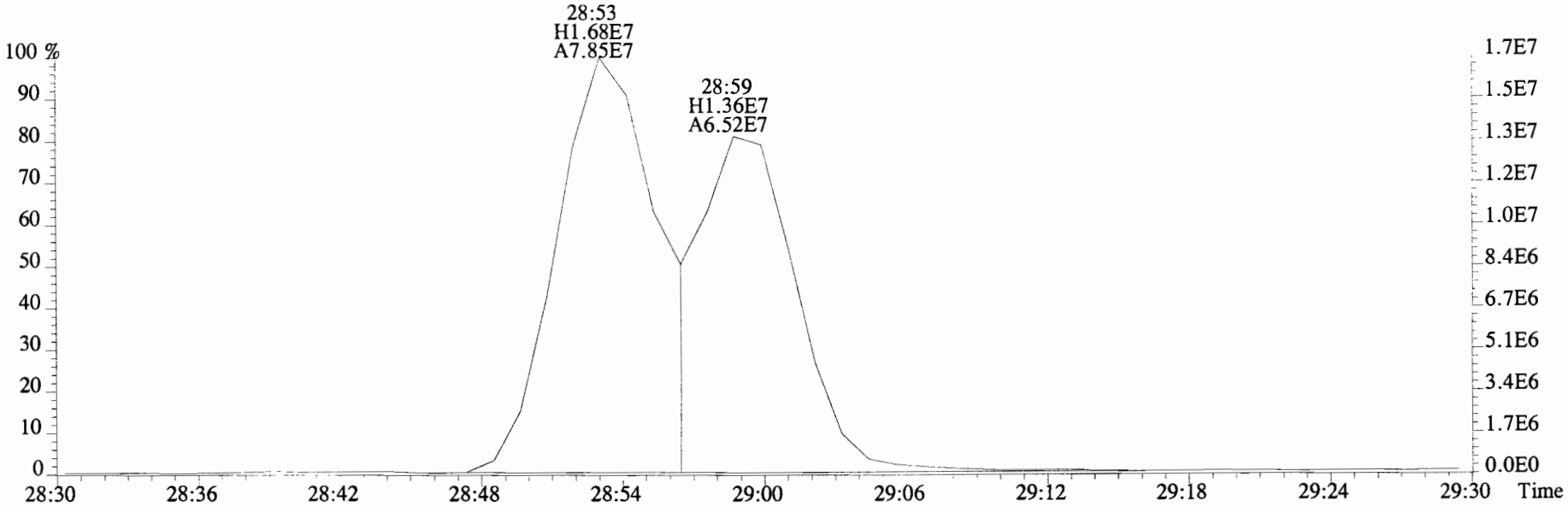

269.9986 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,198308.0,0.00%,F,F)



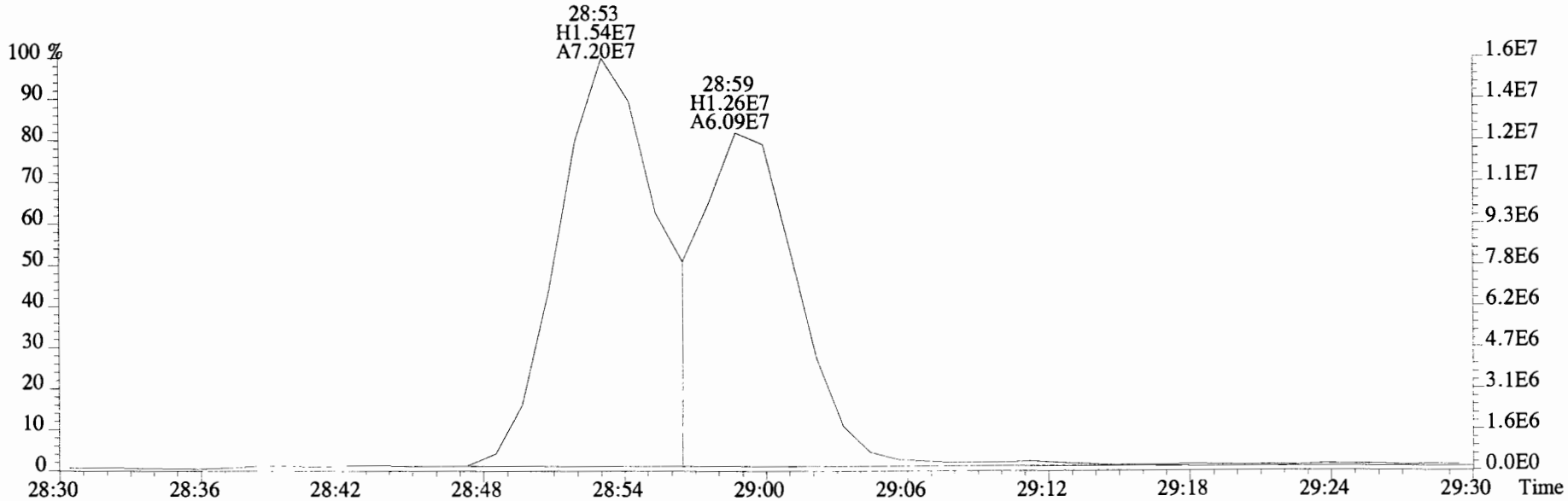

330.9792 S:8 F:3



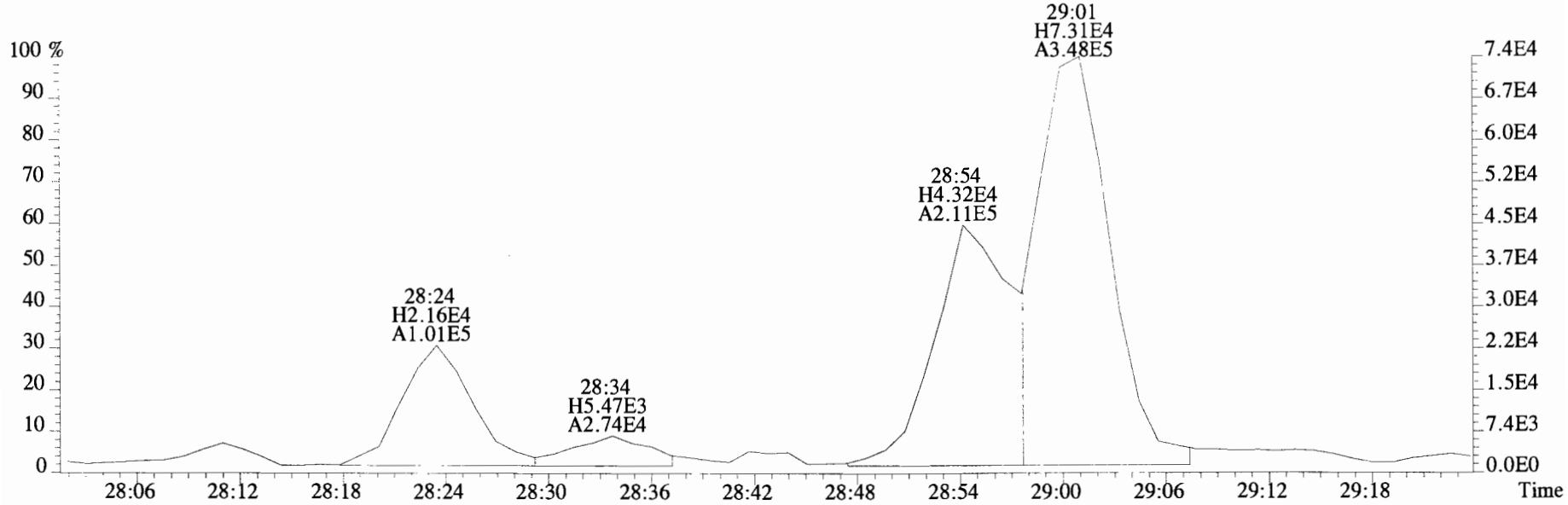
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
268.0016 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,108752.0,0.00%,F,F)



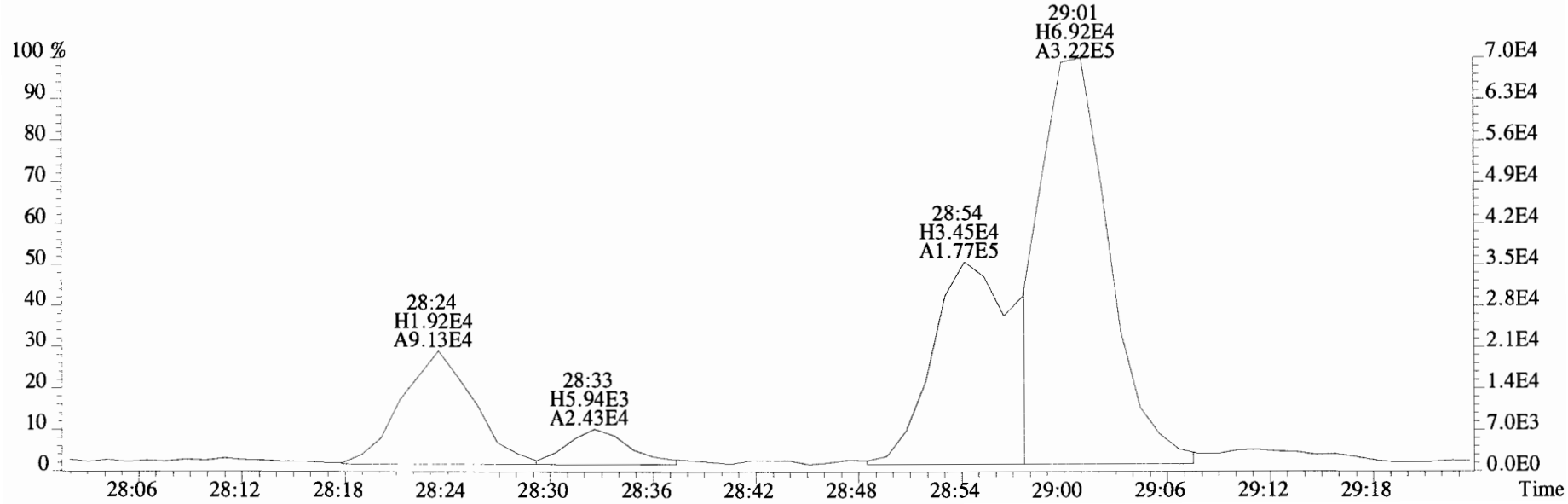

269.9986 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,198308.0,0.00%,F,F)



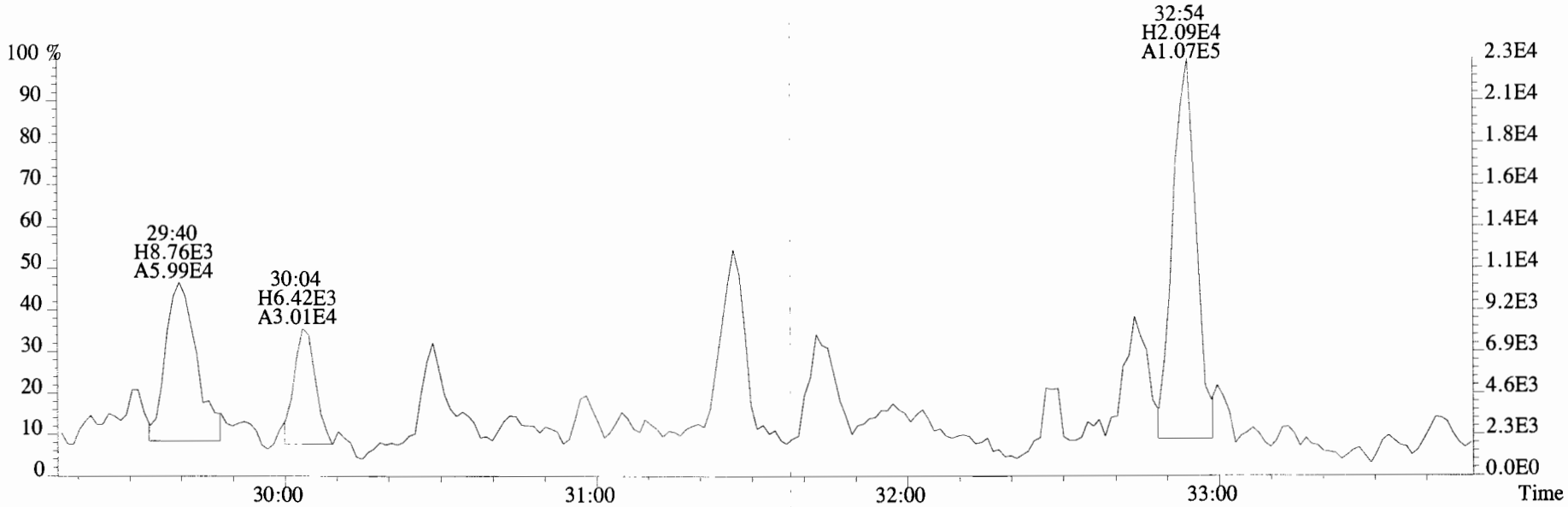
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
255.9613 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3068.0,0.00%,F,F)



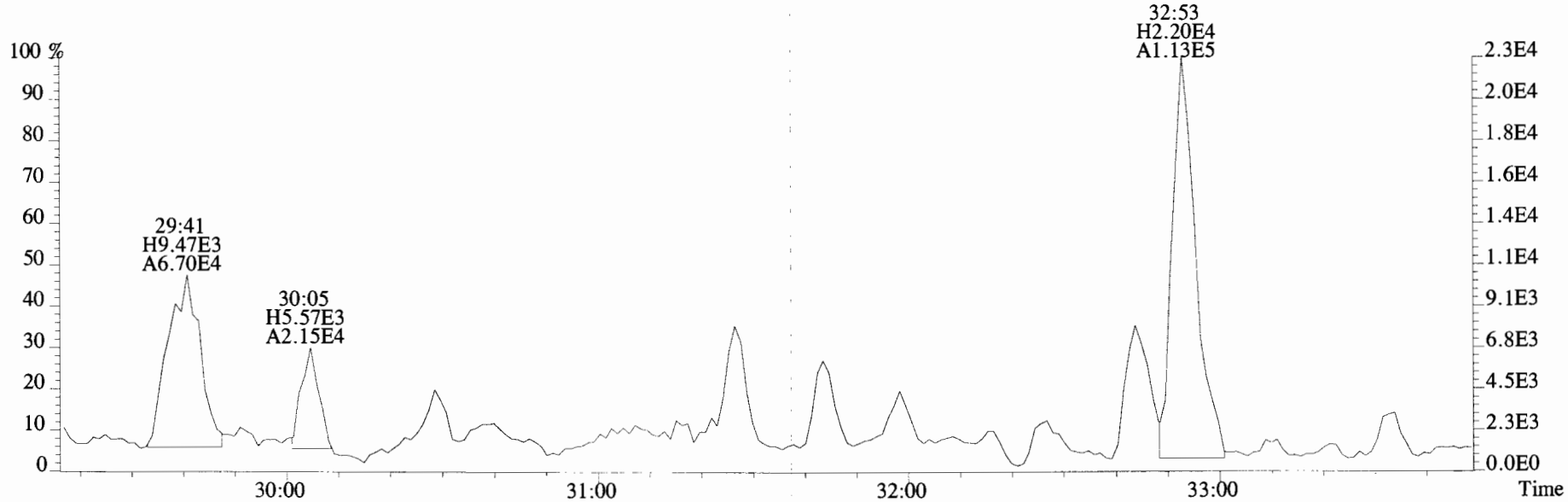

257.9584 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
255.9613 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3068.0,0.00%,F,F)

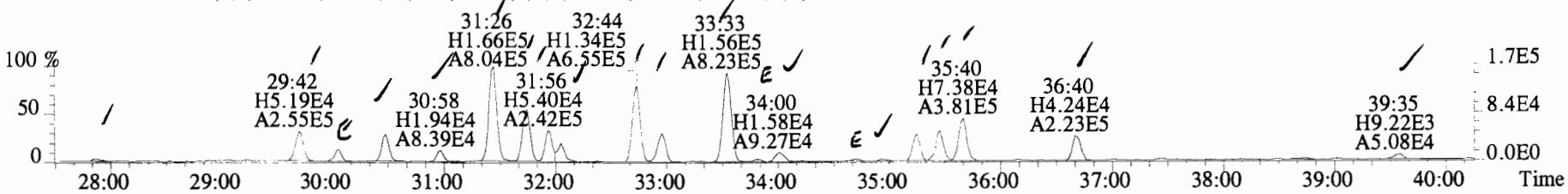



257.9584 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)

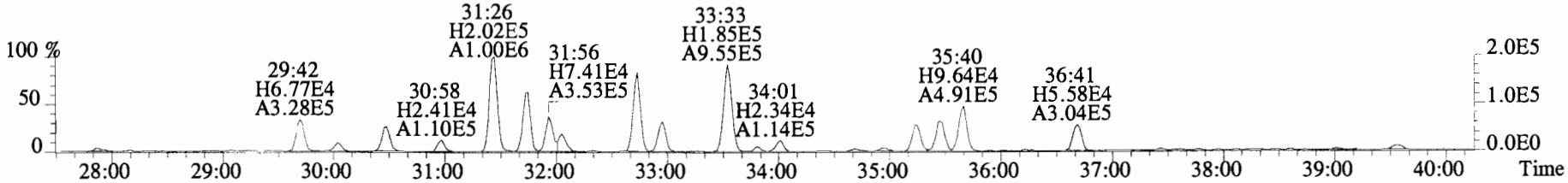


File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1

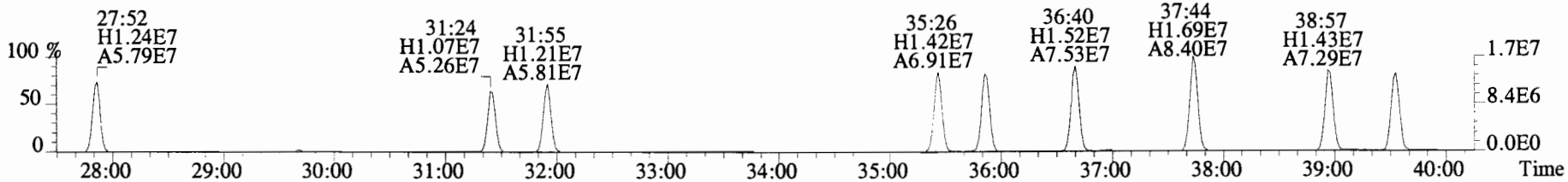
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



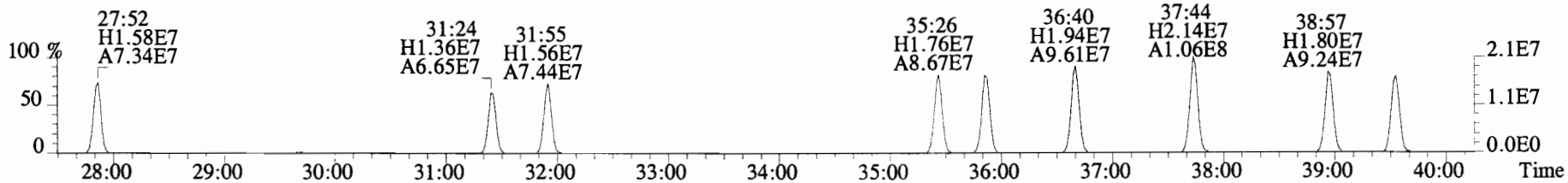

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



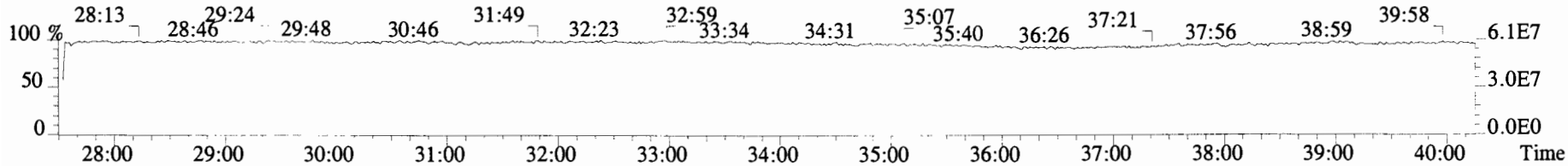

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30616.0,0.00%,F,F)



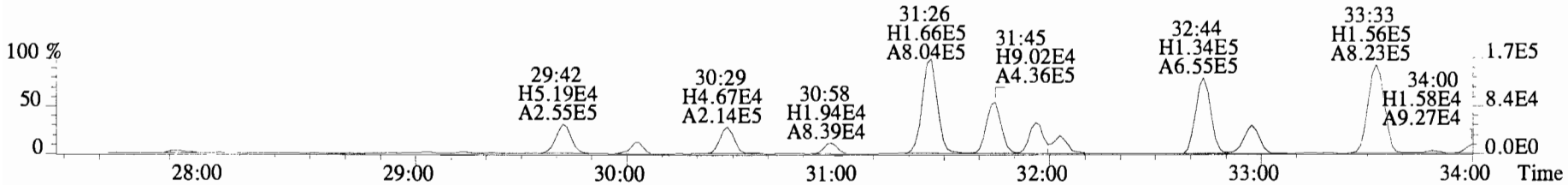

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19844.0,0.00%,F,F)



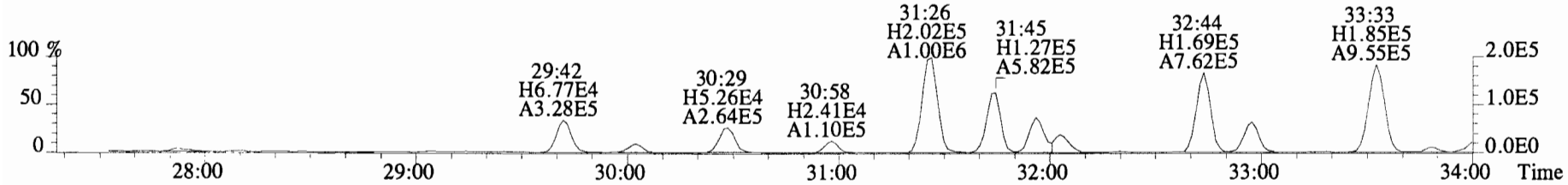

330.9792 S:8 F:3



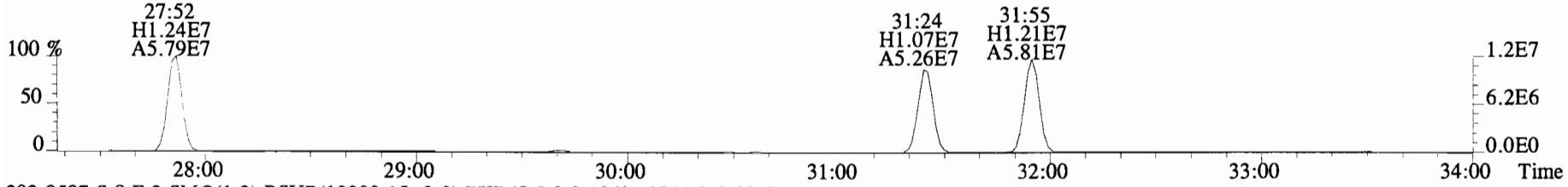
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



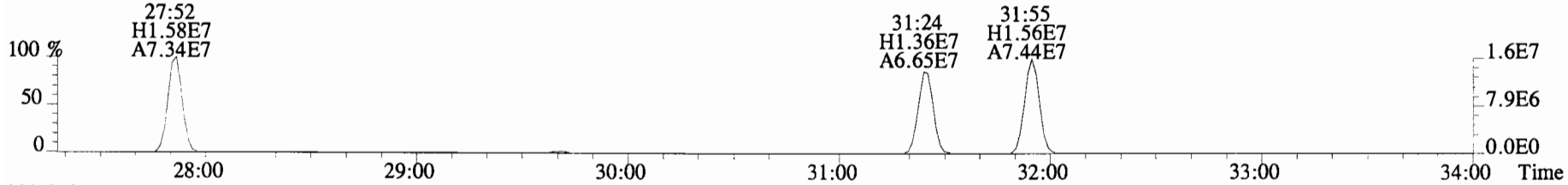

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



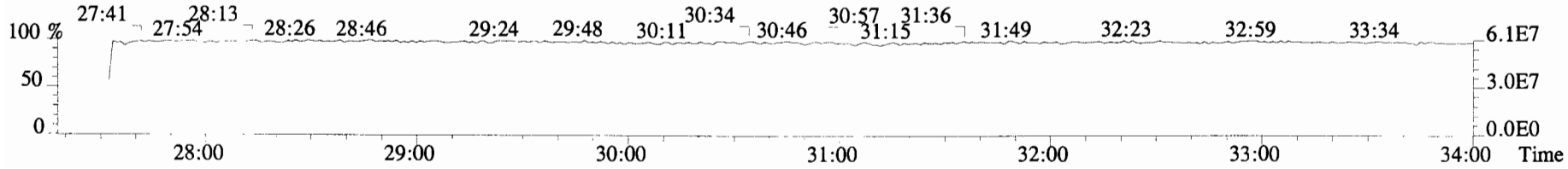

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30616.0,0.00%,F,F)



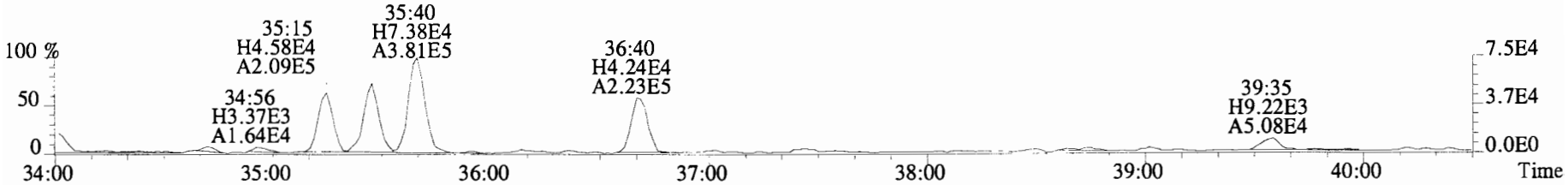

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19844.0,0.00%,F,F)



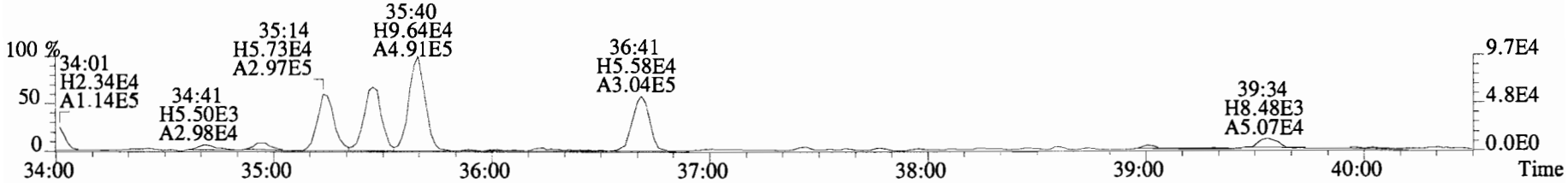

330.9792 S:8 F:3



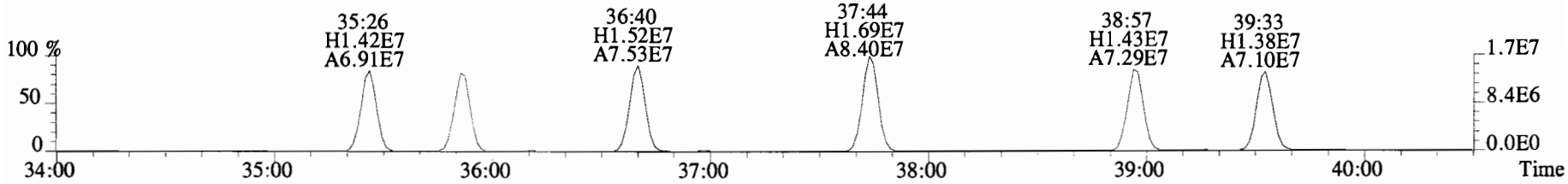
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



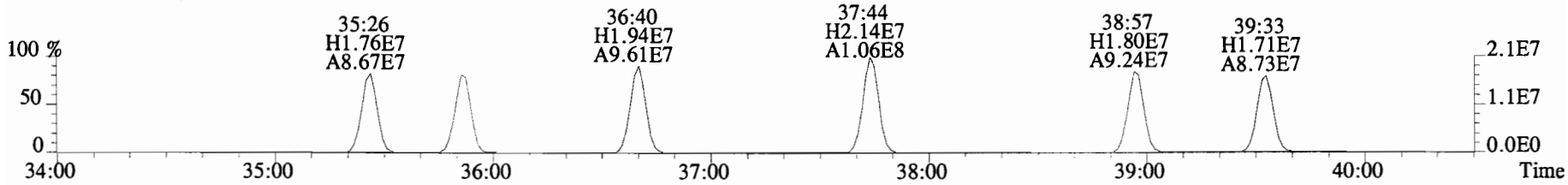

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



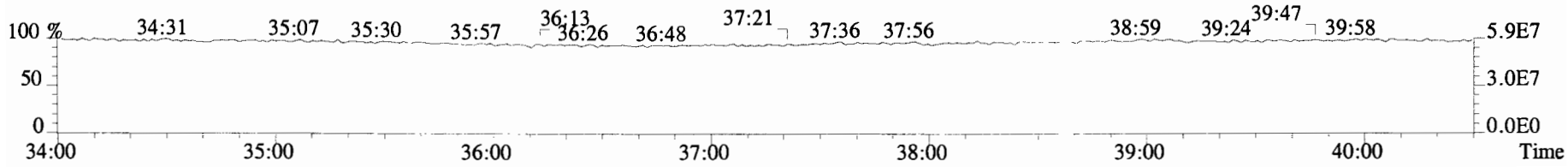

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30616.0,0.00%,F,F)



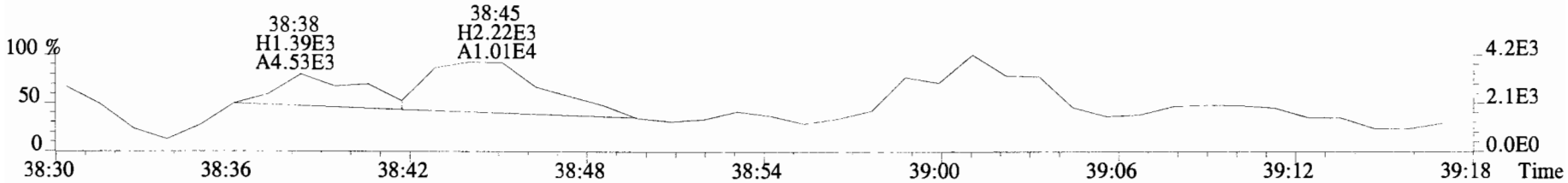

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19844.0,0.00%,F,F)



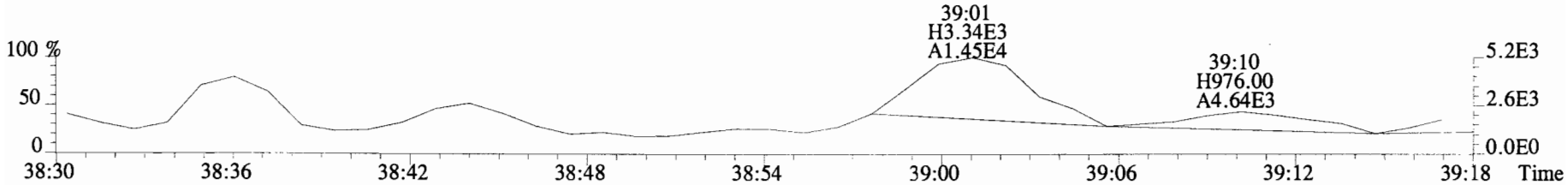

330.9792 S:8 F:3



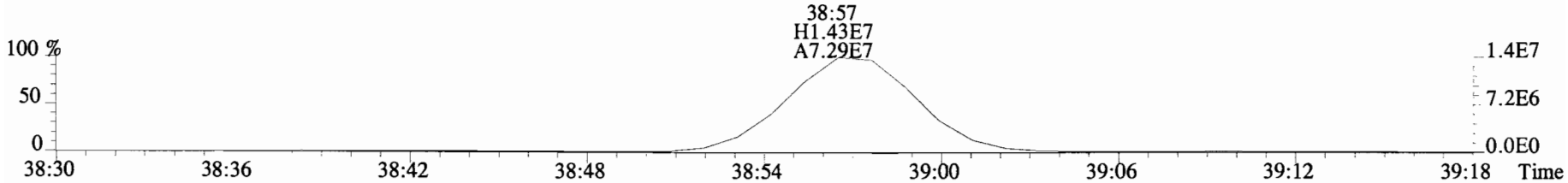
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



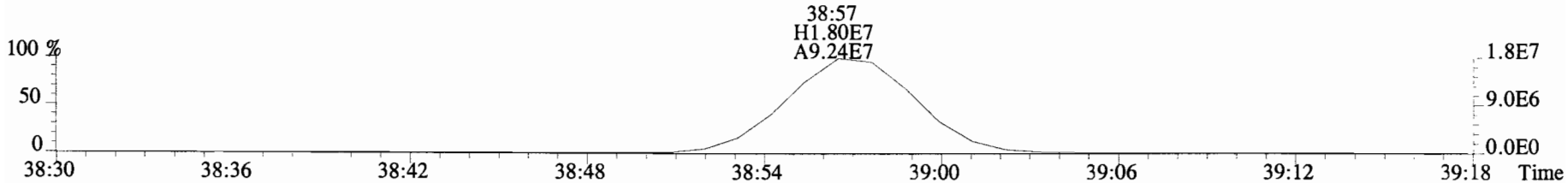

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



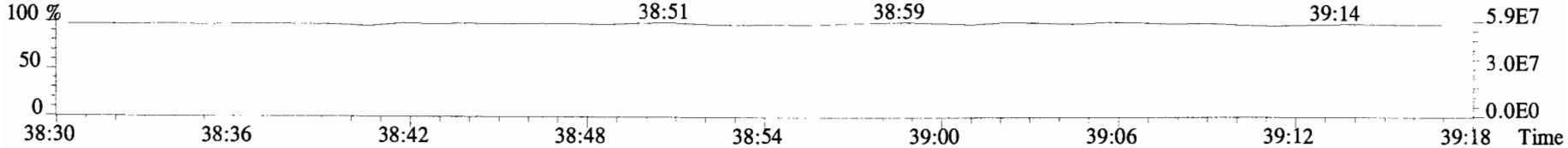

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30616.0,0.00%,F,F)



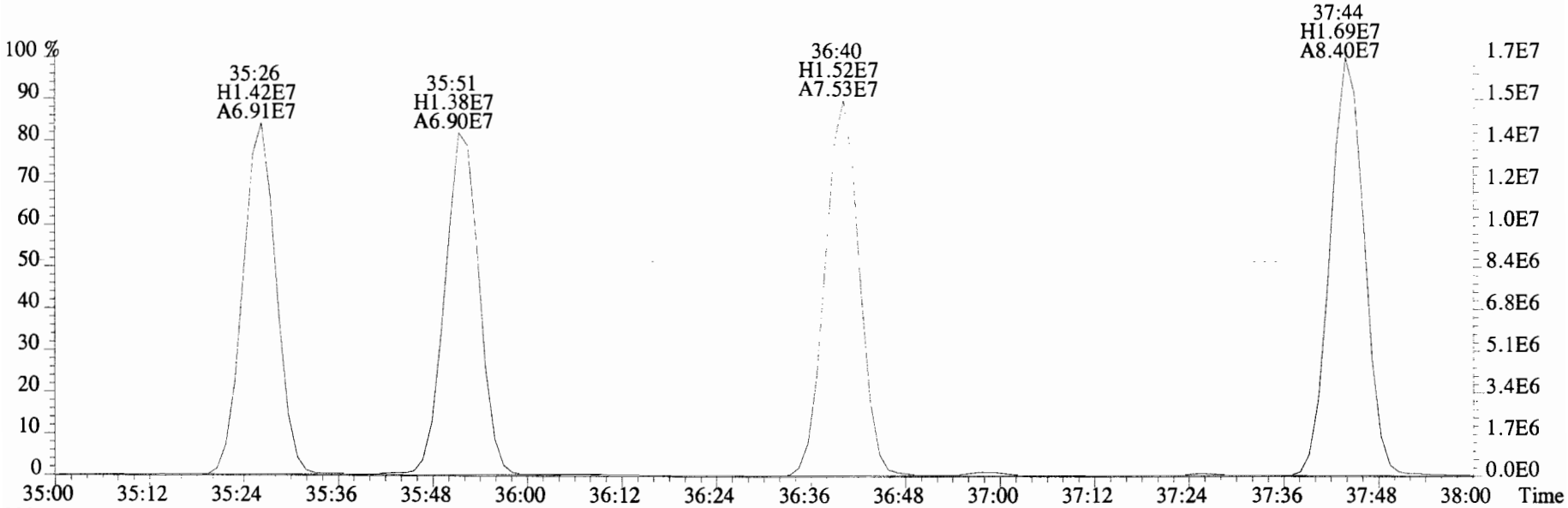

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19844.0,0.00%,F,F)



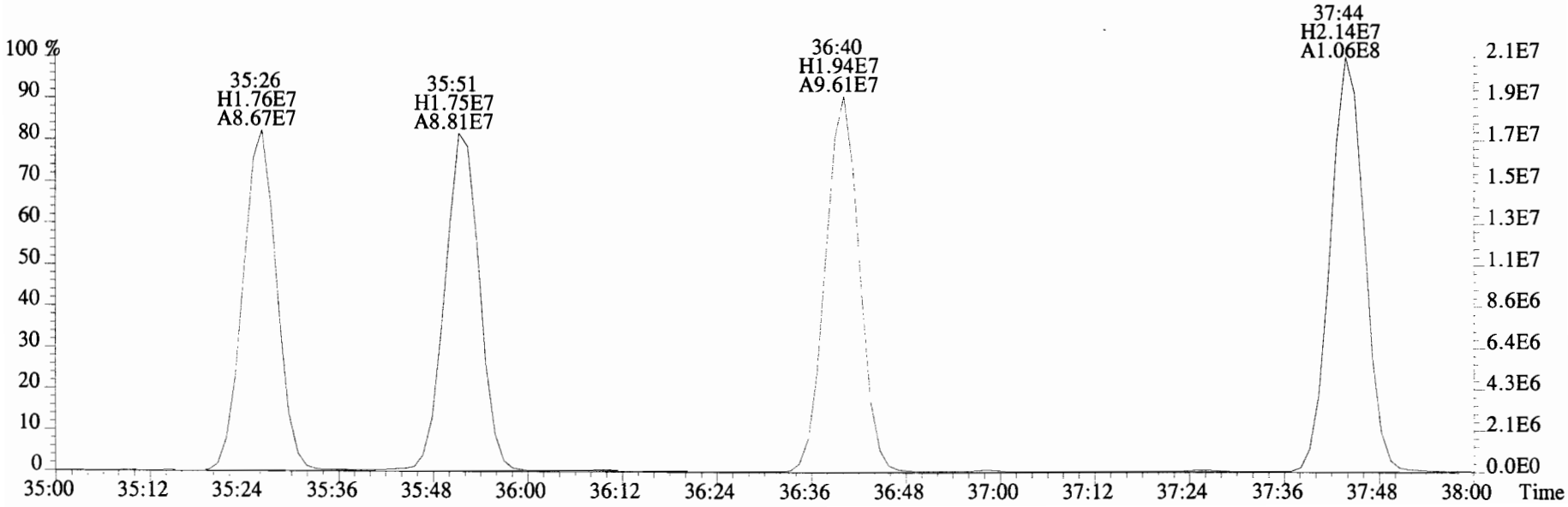

330.9792 S:8 F:3



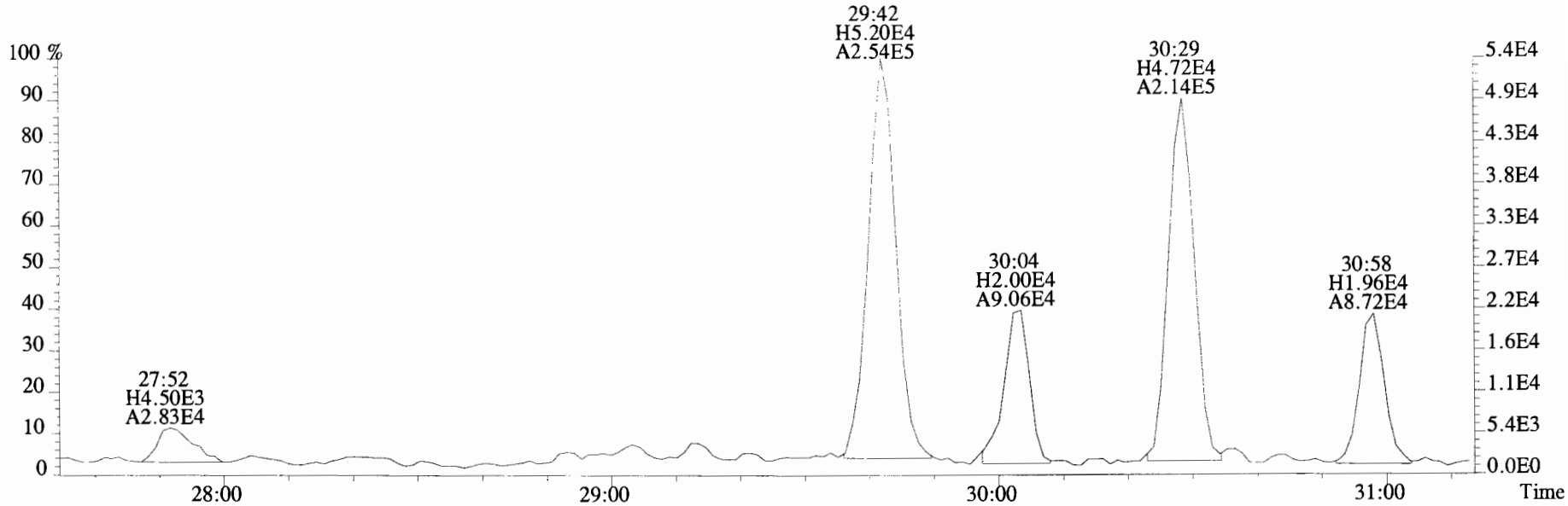
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30616.0,0.00%,F,F)



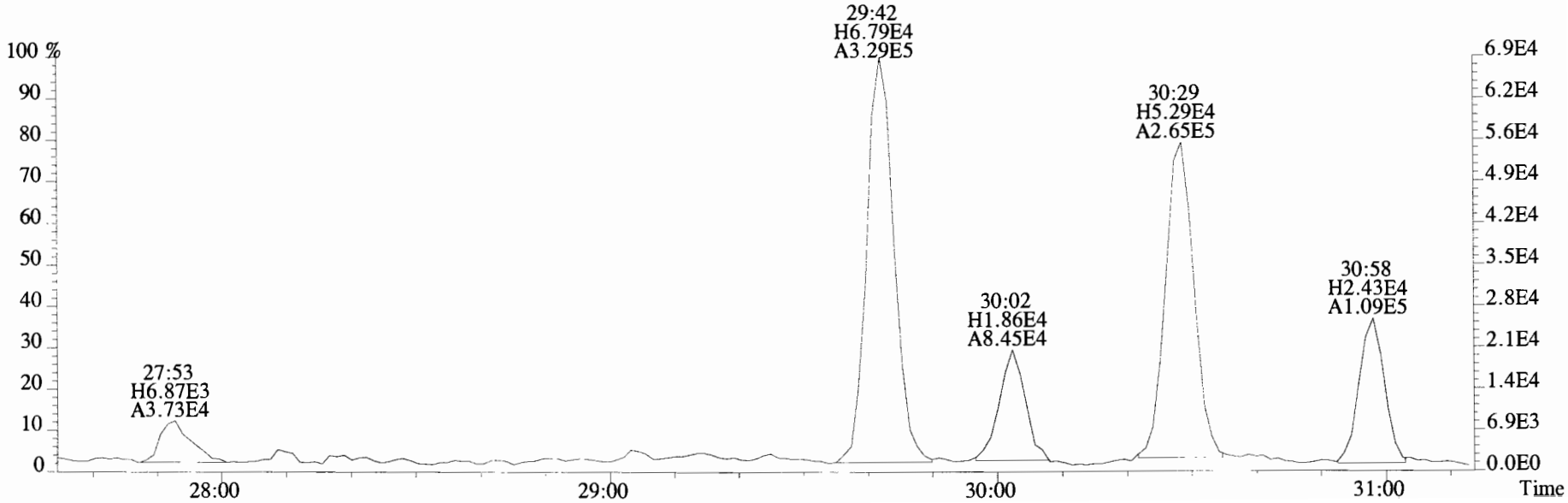

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19844.0,0.00%,F,F)



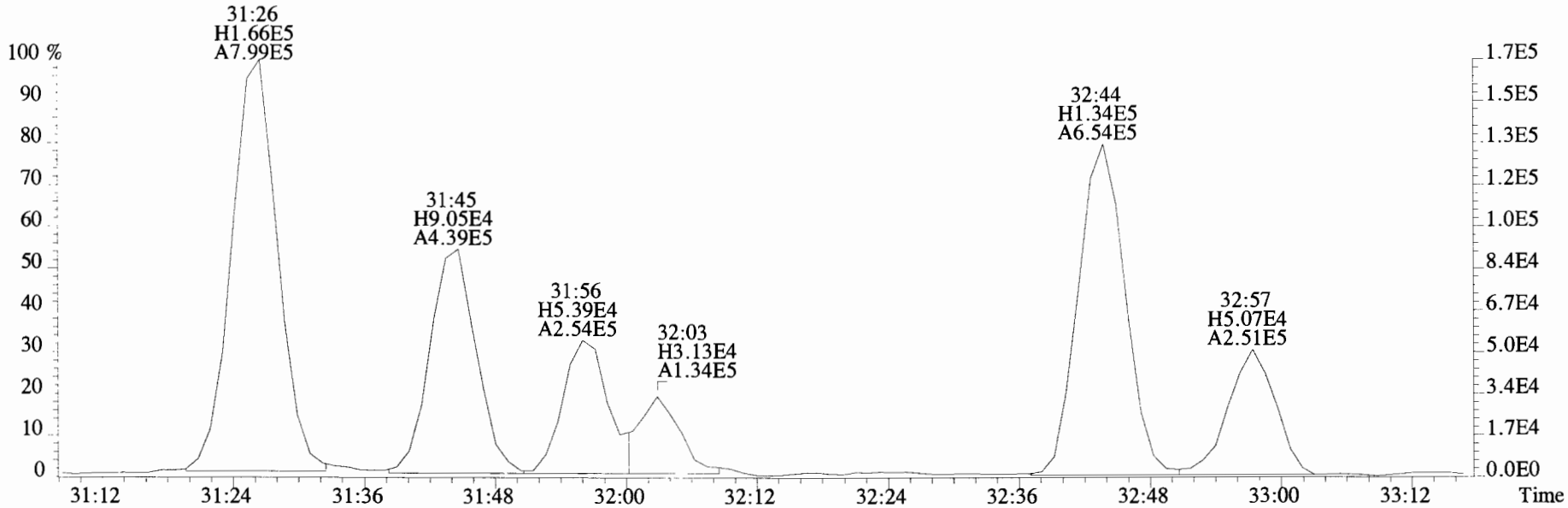
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



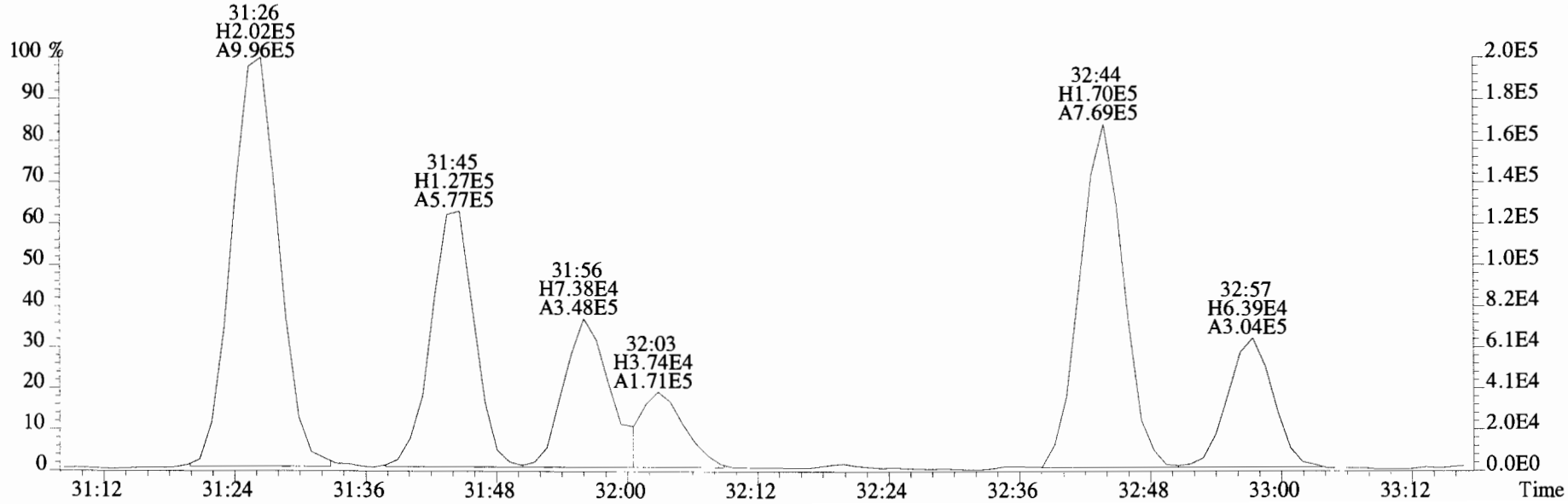

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



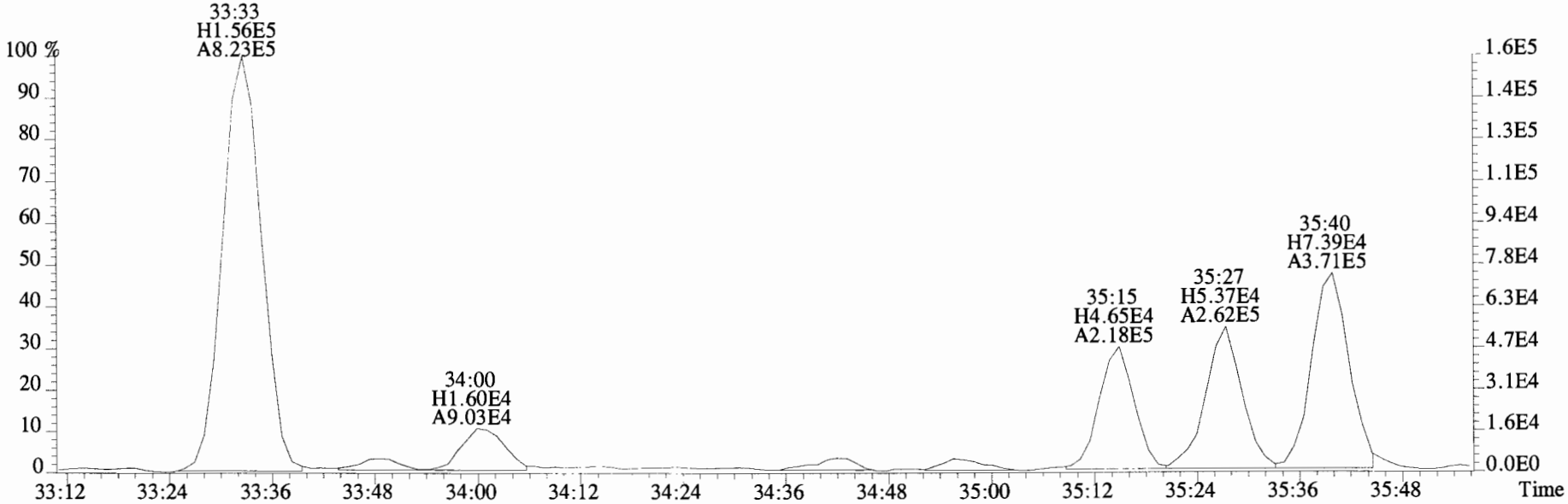
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



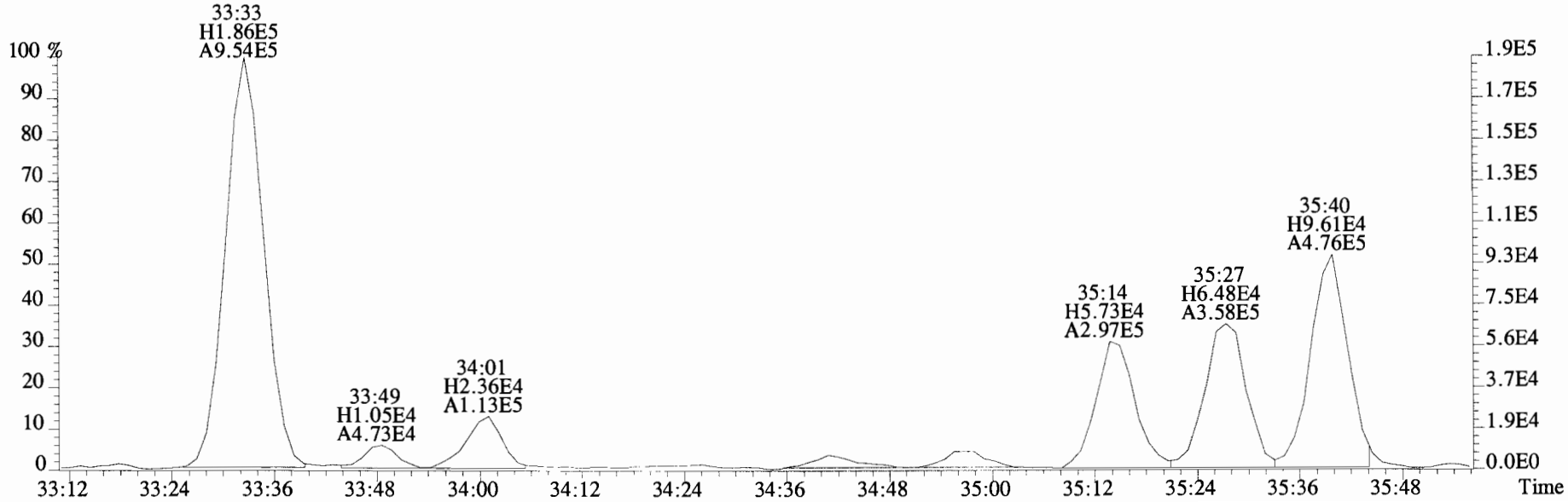

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



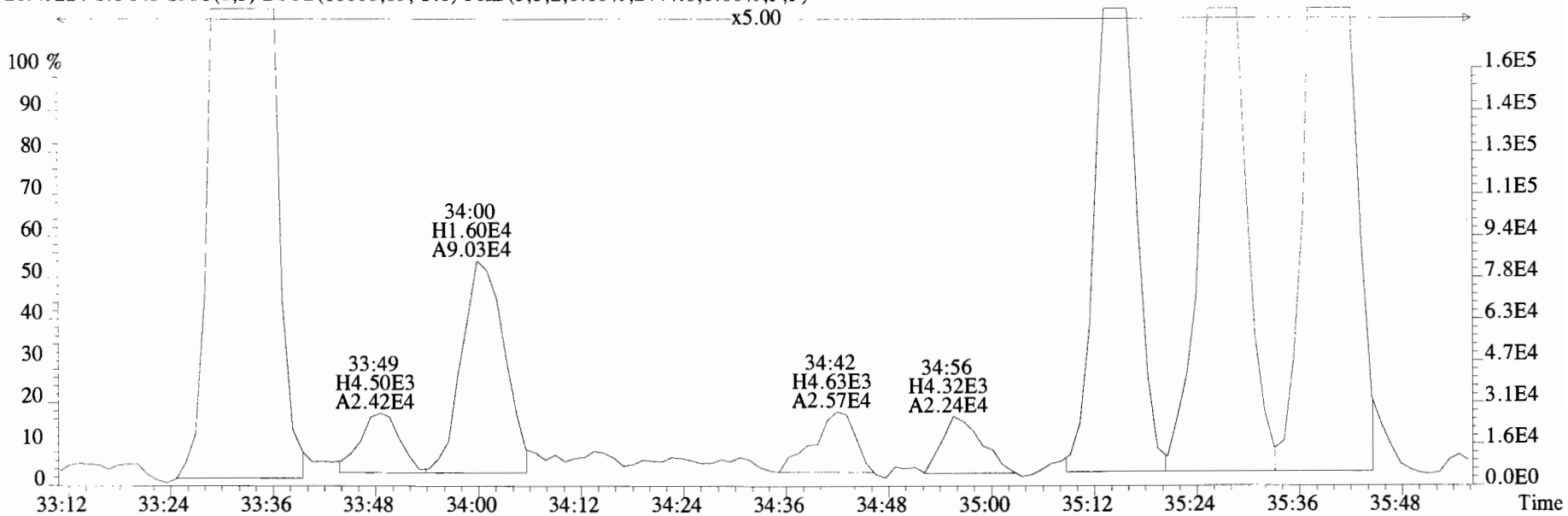
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



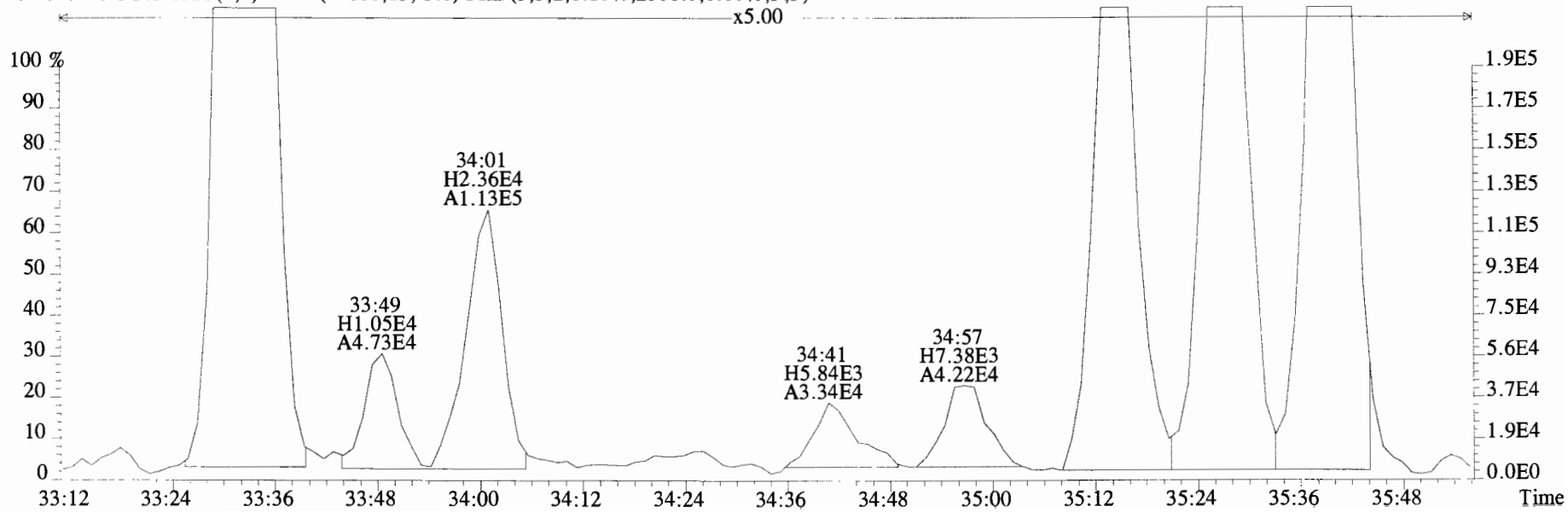

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



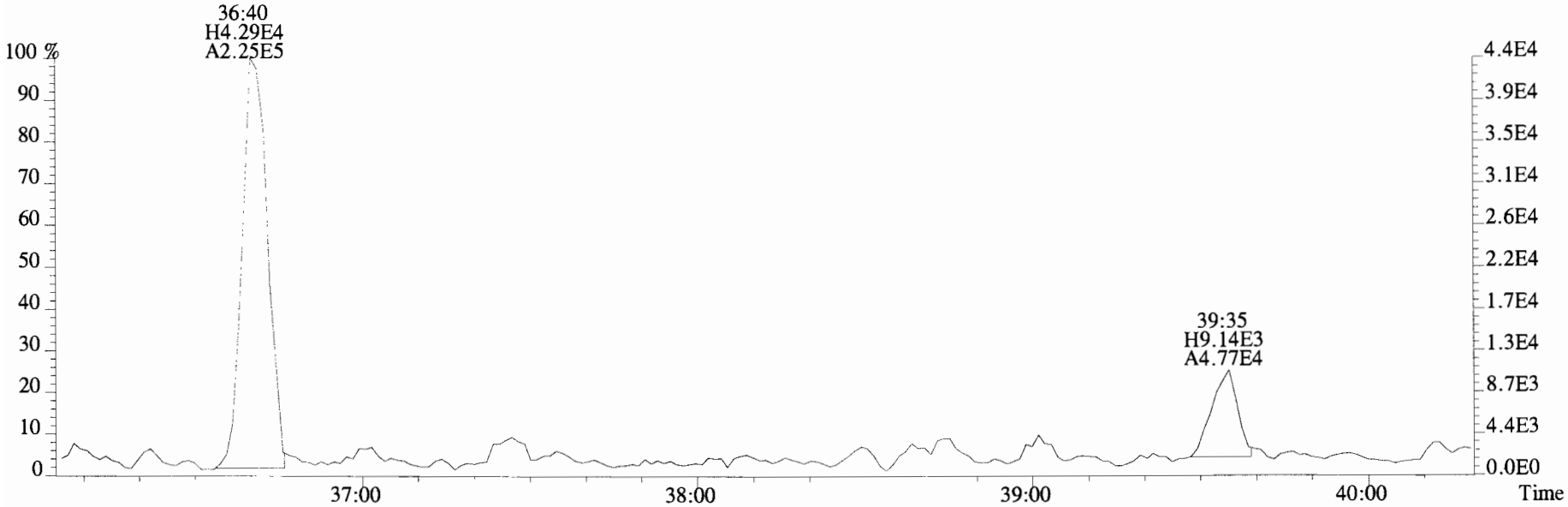
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



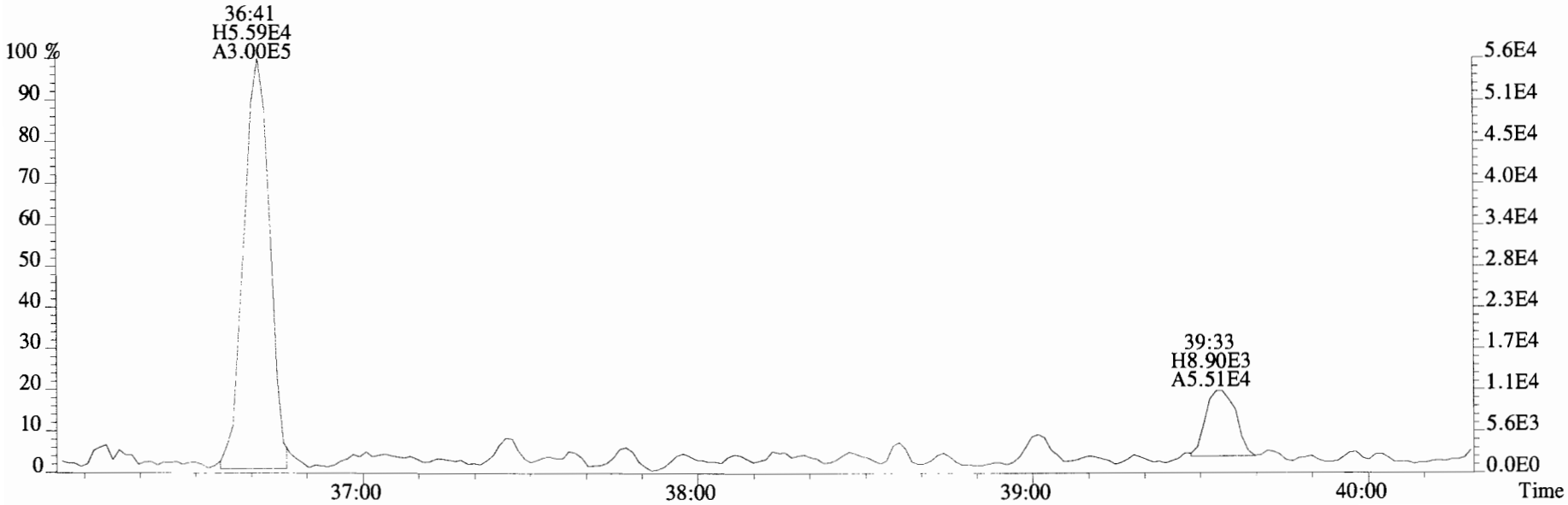

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)

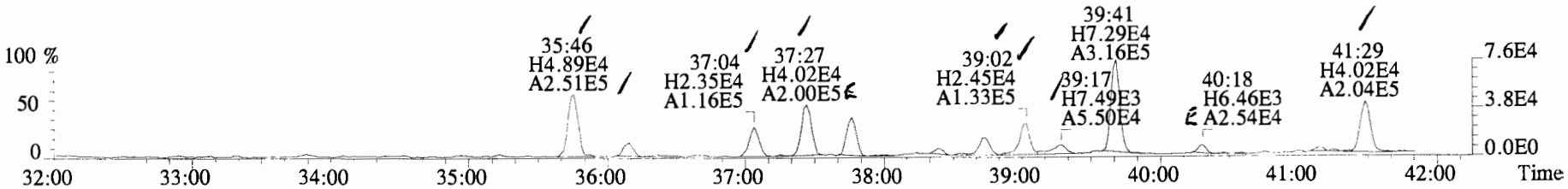



291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2508.0,0.00%,F,F)

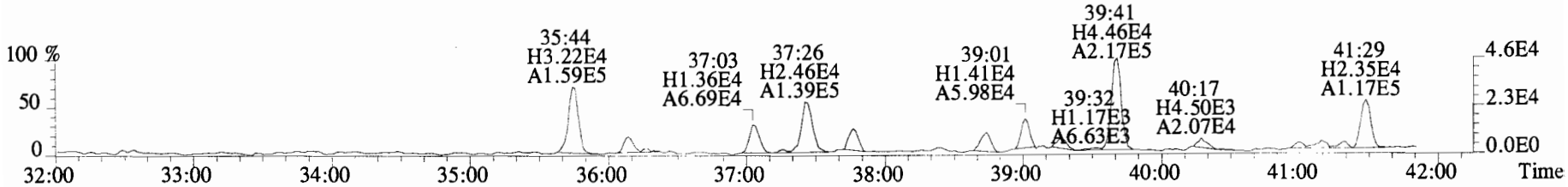


File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1

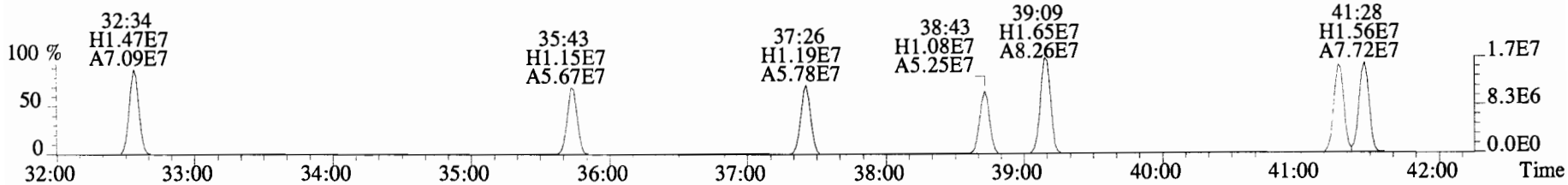
325.8804 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2064.0,0.00%,F,F)



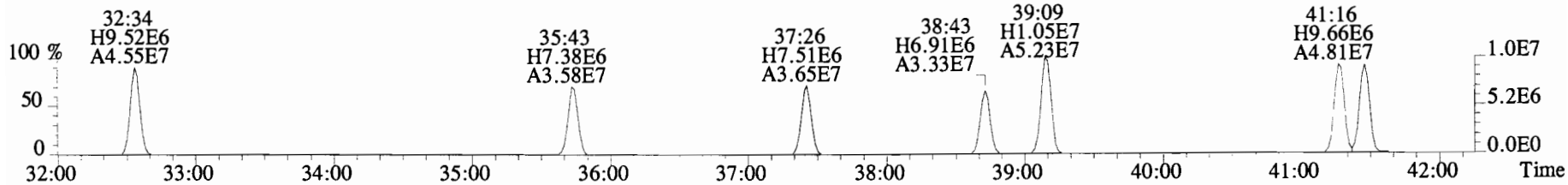

327.8775 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2252.0,0.00%,F,F)



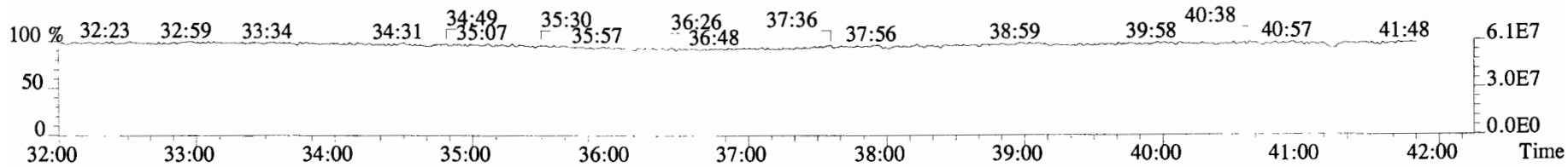

337.9207 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4144.0,0.00%,F,F)



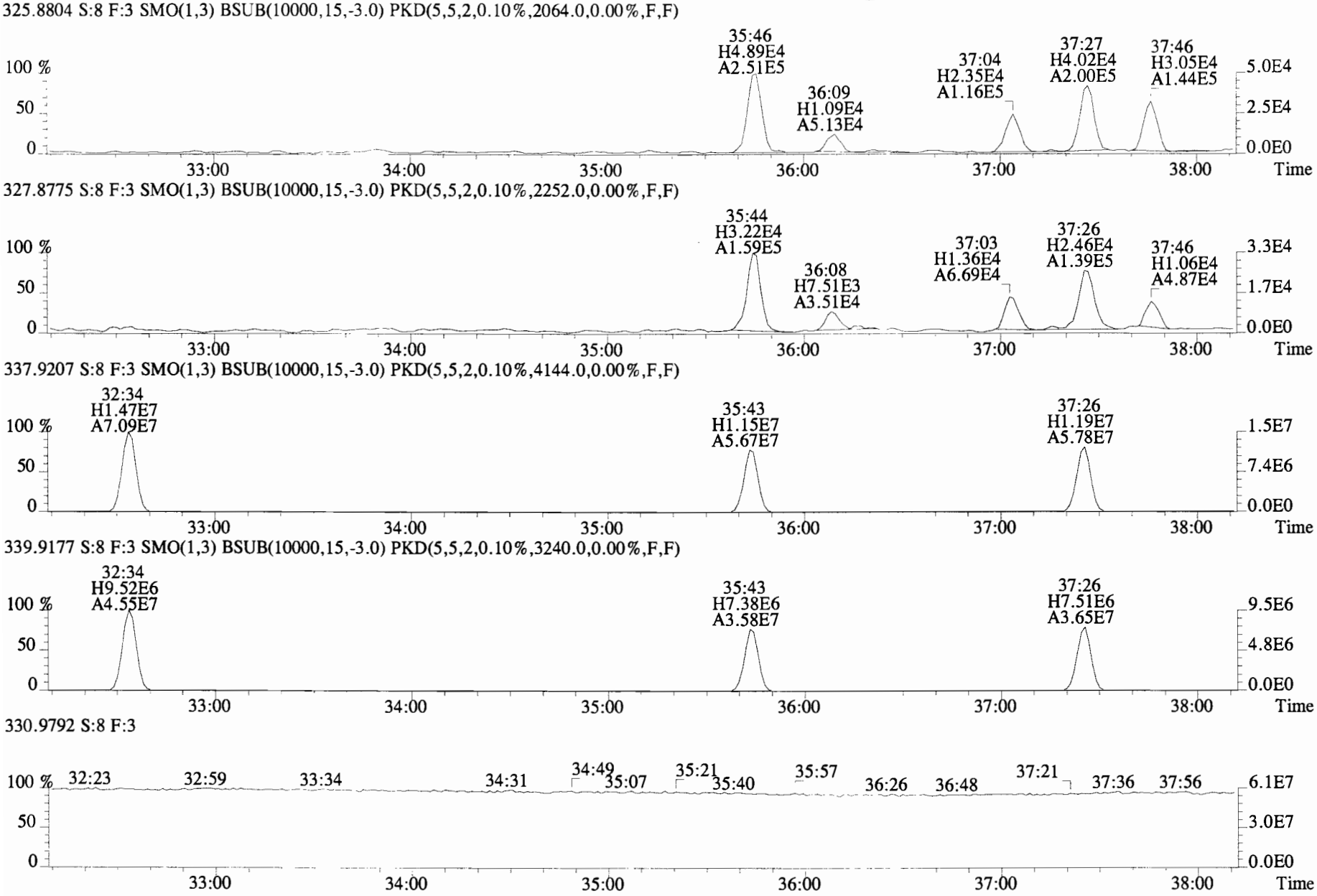

339.9177 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3240.0,0.00%,F,F)



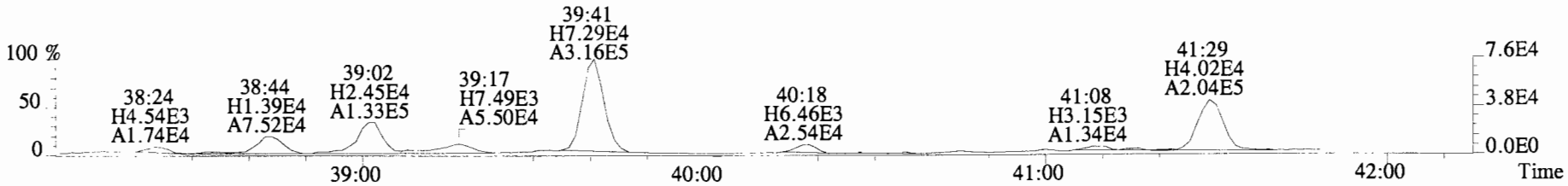

330.9792 S:8 F:3



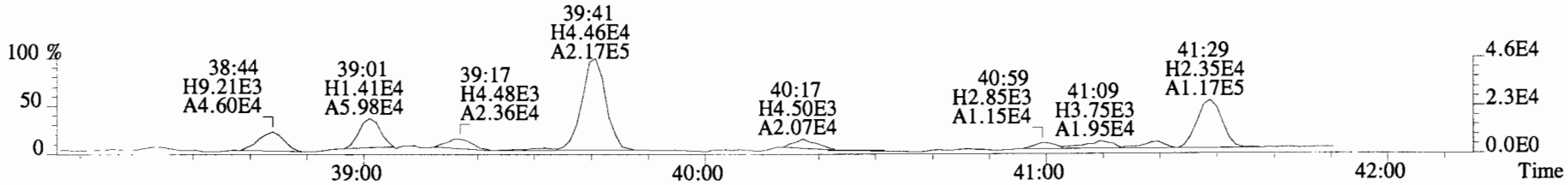
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1



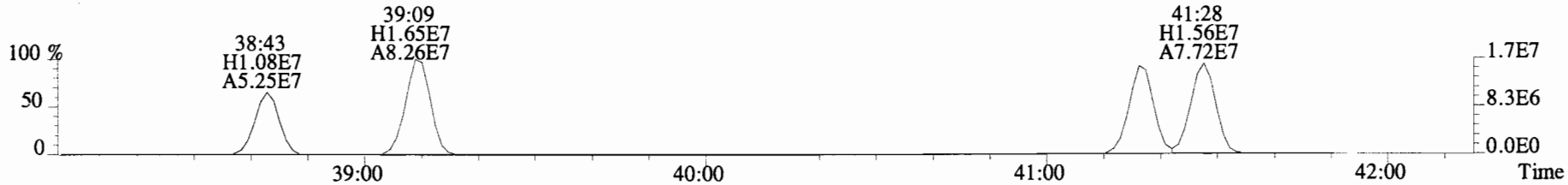
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
325.8804 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2064.0,0.00%,F,F)



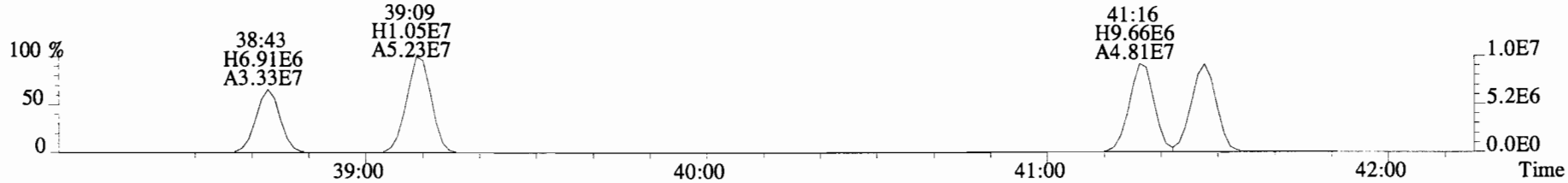

327.8775 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2252.0,0.00%,F,F)



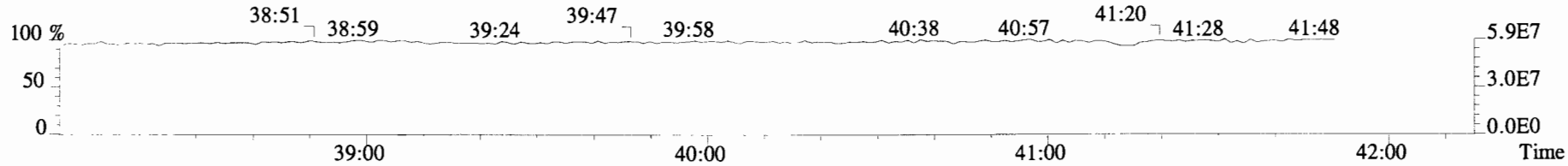

337.9207 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4144.0,0.00%,F,F)



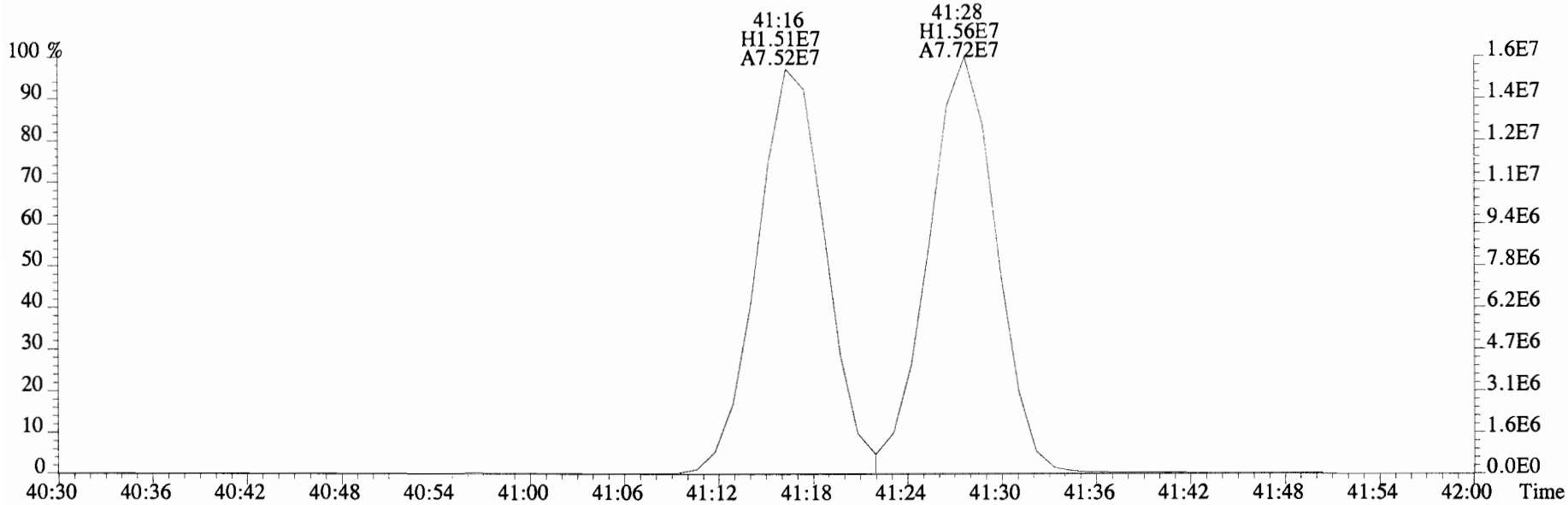

339.9177 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3240.0,0.00%,F,F)



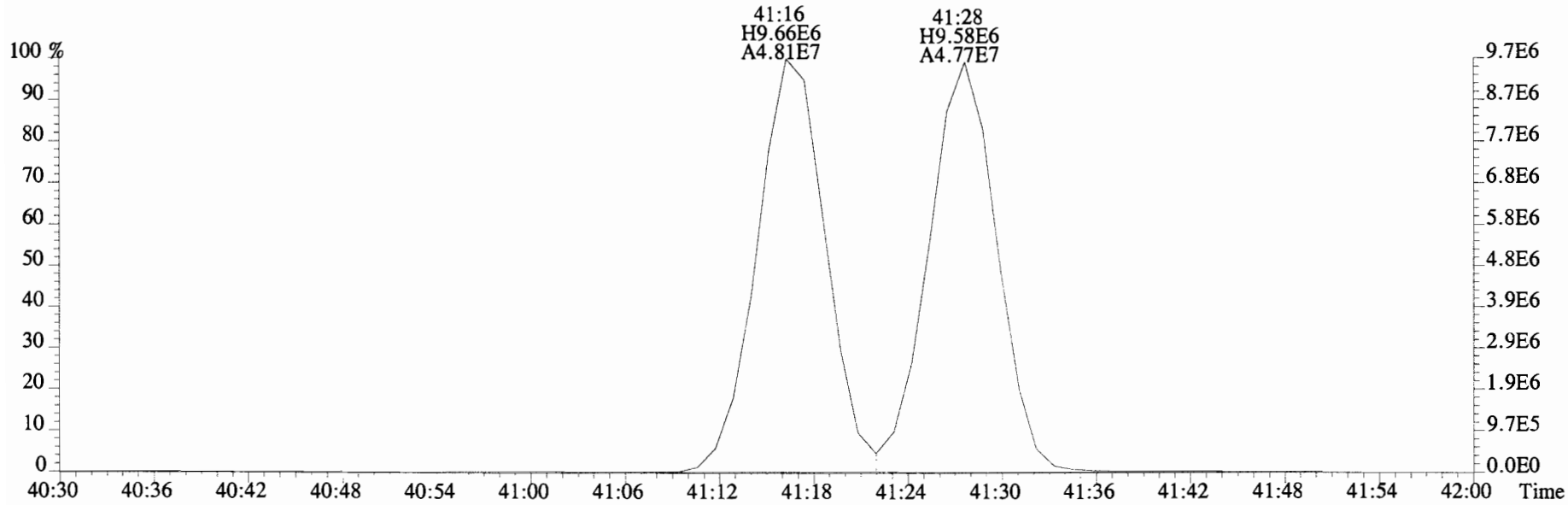

330.9792 S:8 F:3



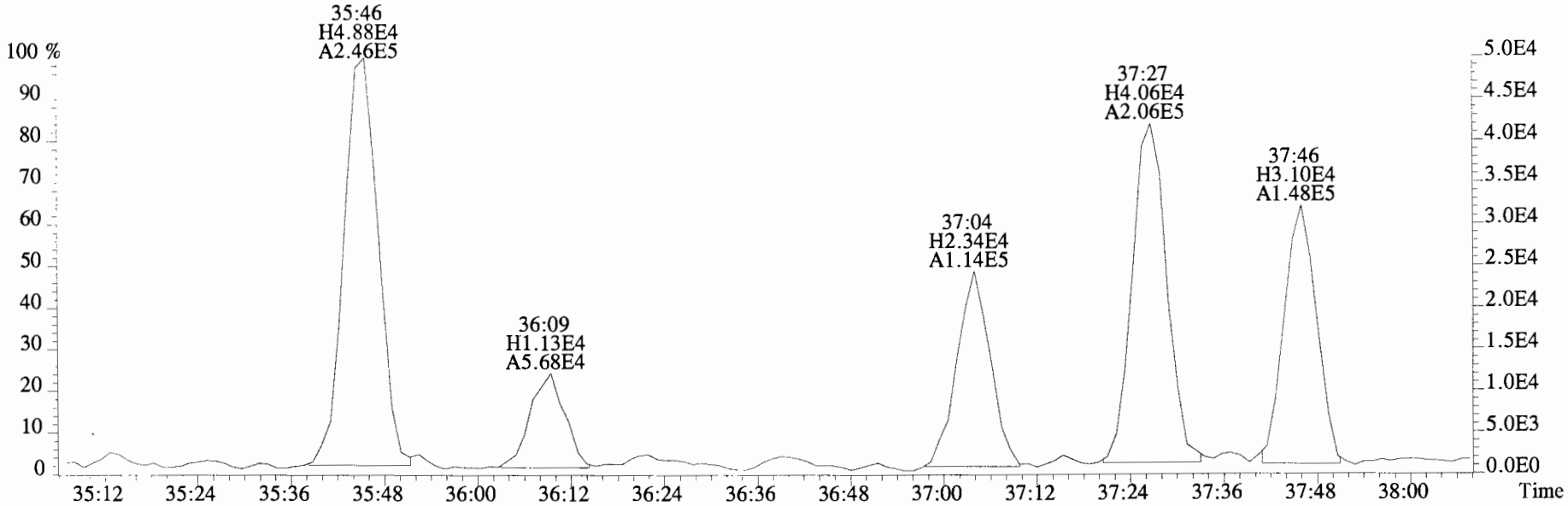
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
337.9207 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4144.0,0.00%,F,F)



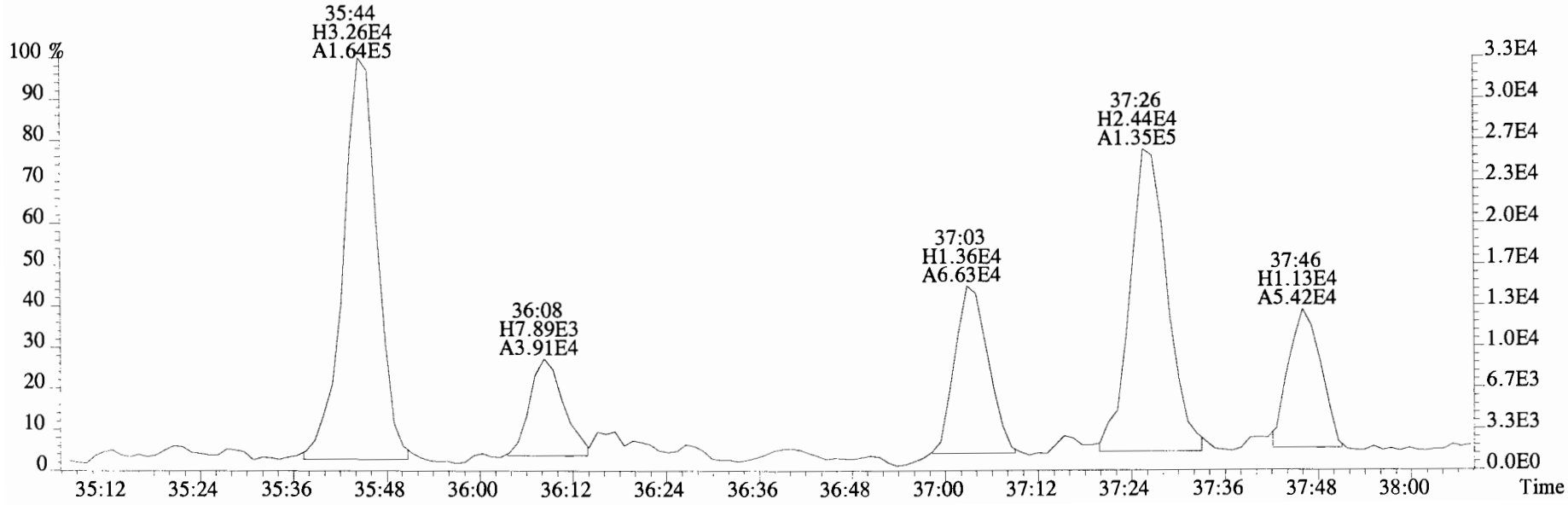

339.9177 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3240.0,0.00%,F,F)



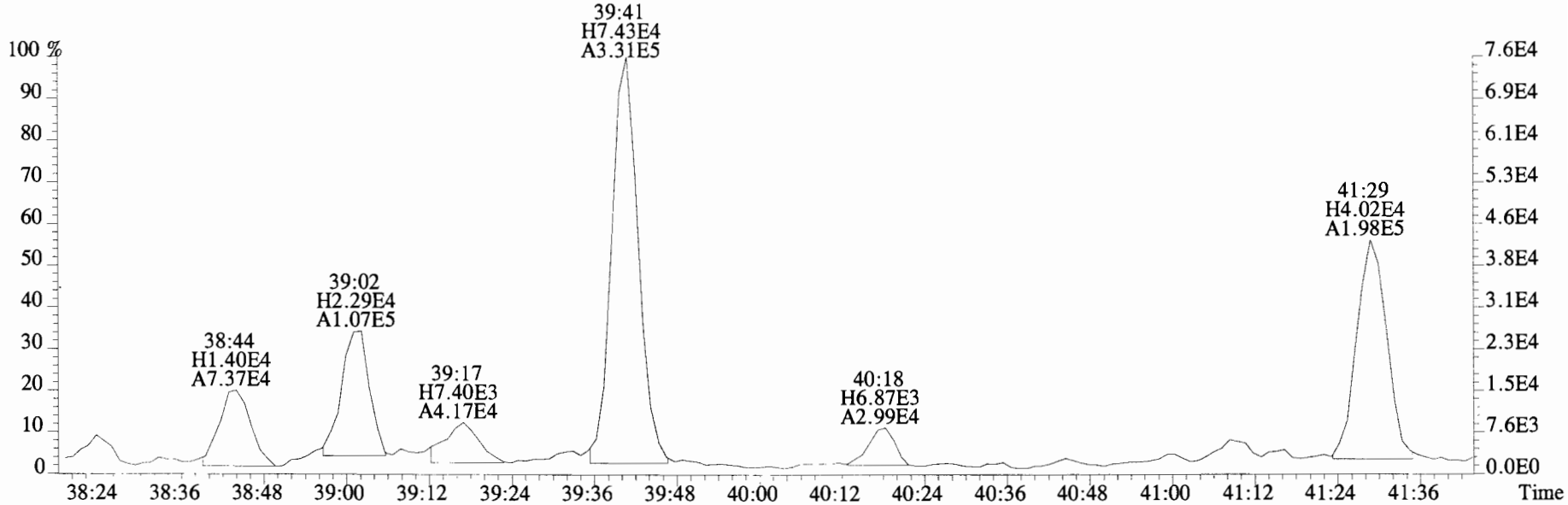
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
325.8804 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2064.0,0.00%,F,F)



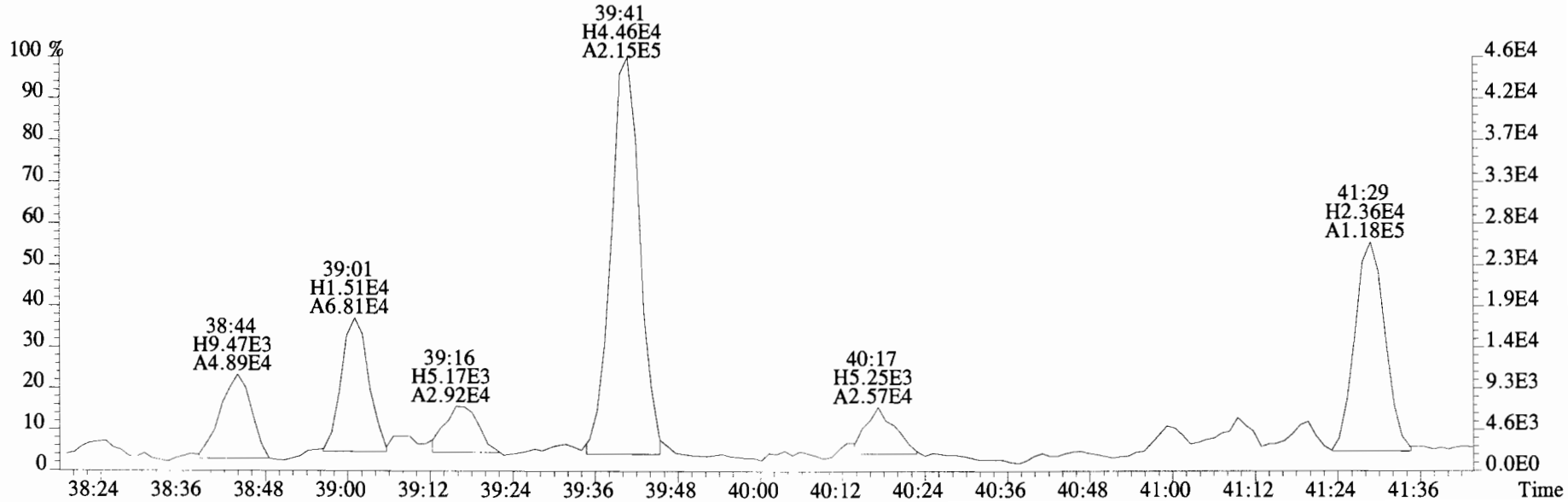

327.8775 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2252.0,0.00%,F,F)



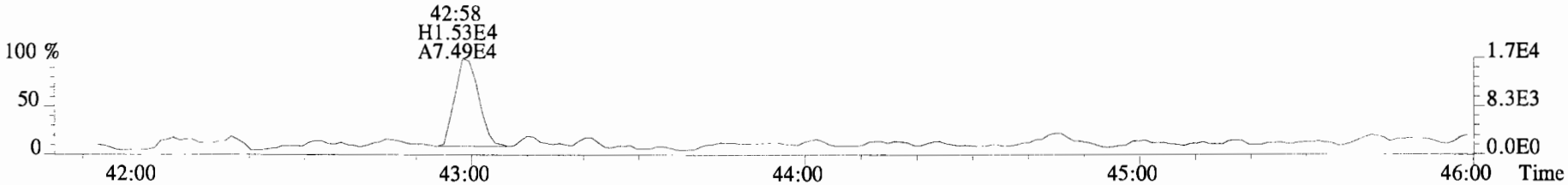
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
325.8804 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2064.0,0.00%,F,F)



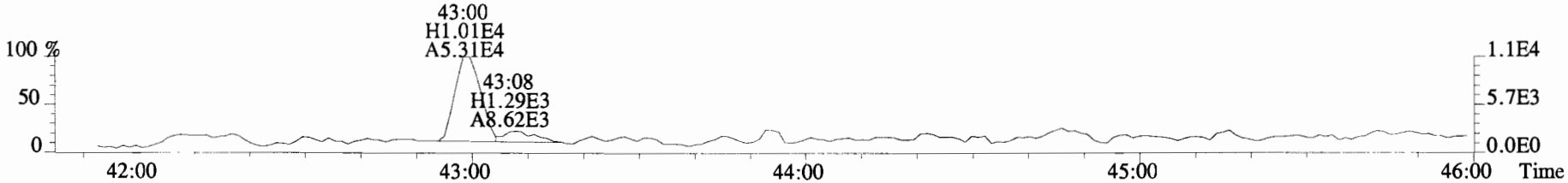

327.8775 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2252.0,0.00%,F,F)



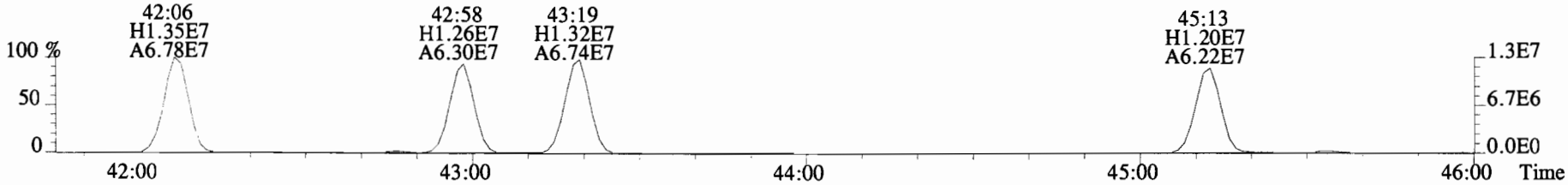
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
325.8804 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



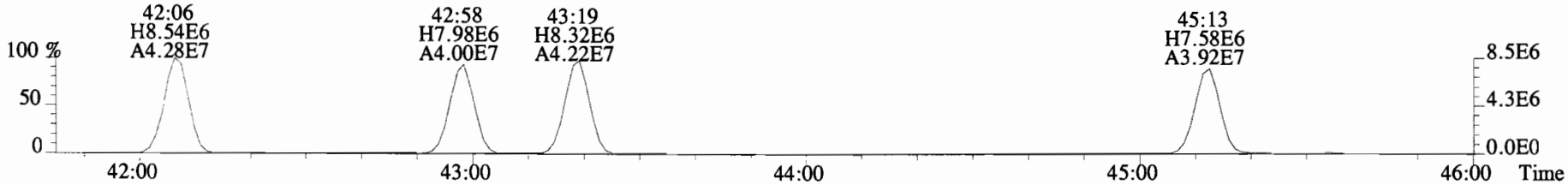

327.8775 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2484.0,0.00%,F,F)



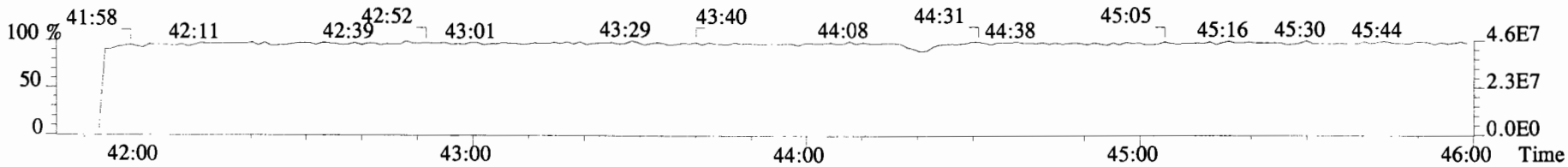

337.9207 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6492.0,0.00%,F,F)



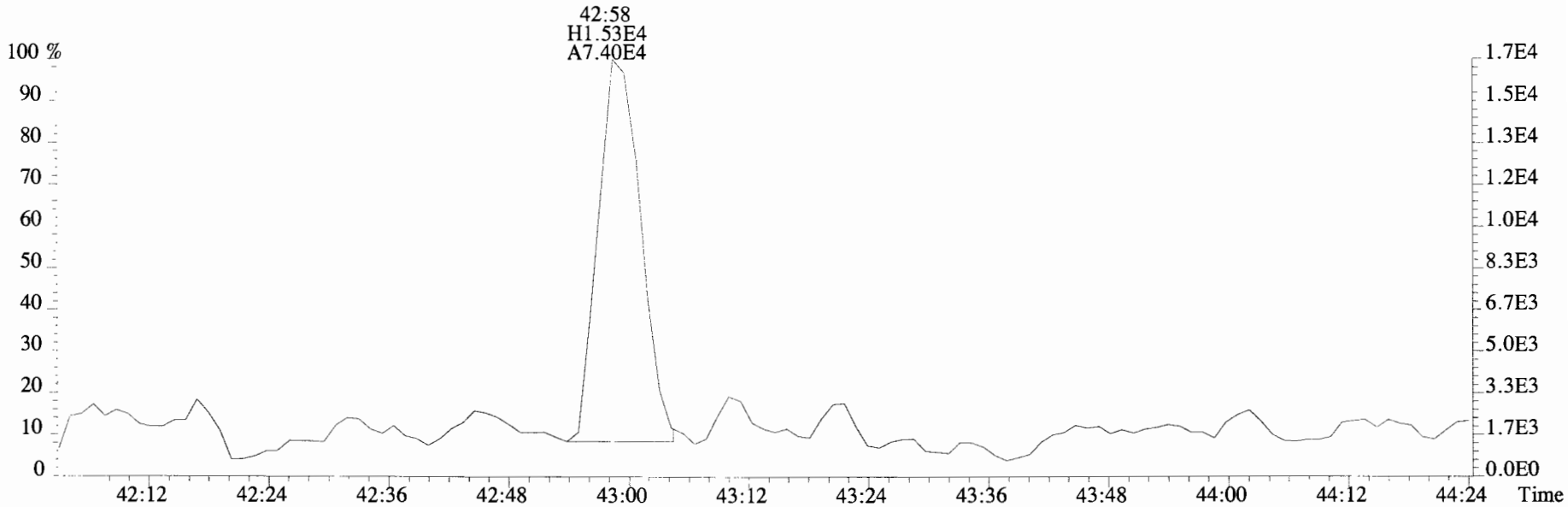

339.9177 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5560.0,0.00%,F,F)



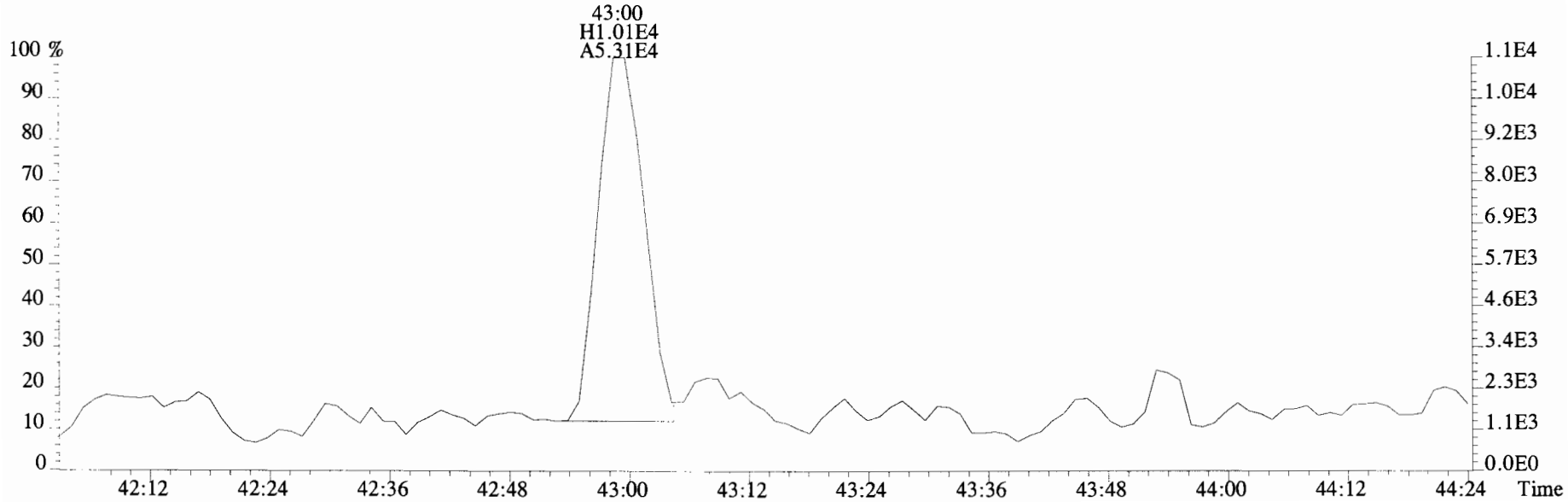

380.9760 S:8 F:4



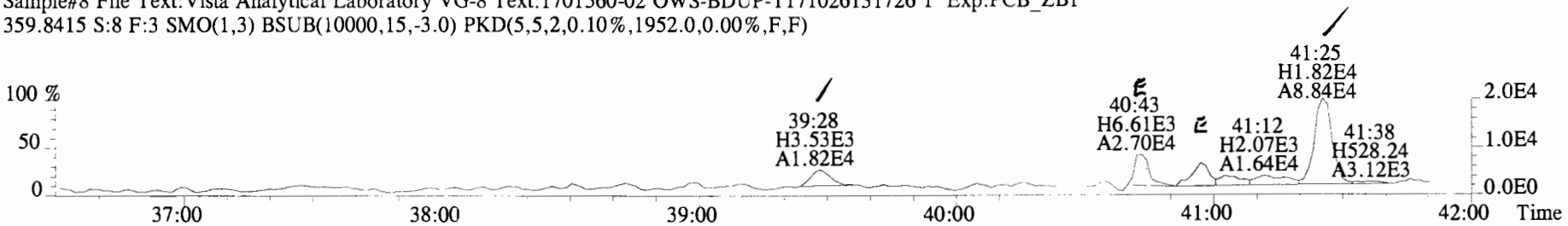
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
325.8804 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2768.0,0.00%,F,F)



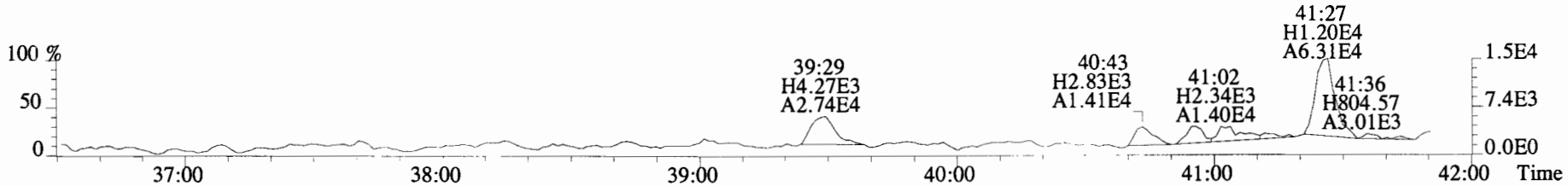

327.8775 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2484.0,0.00%,F,F)



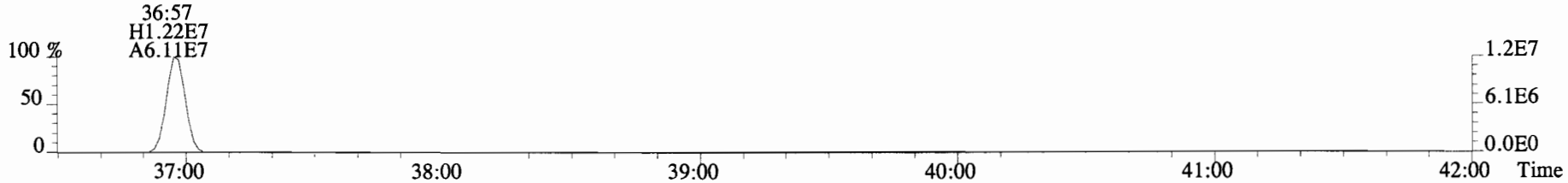
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
359.8415 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



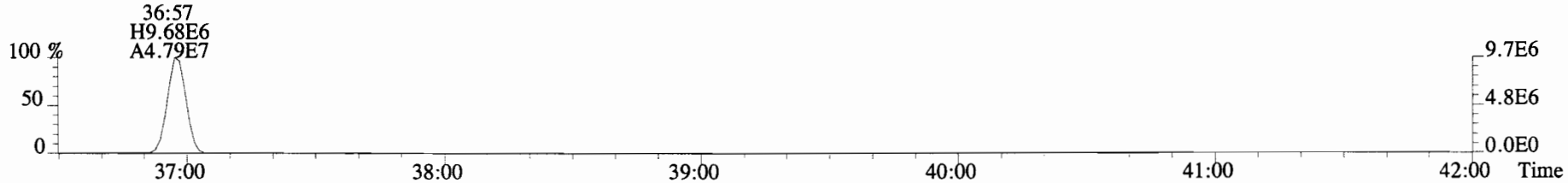

361.8385 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1928.0,0.00%,F,F)



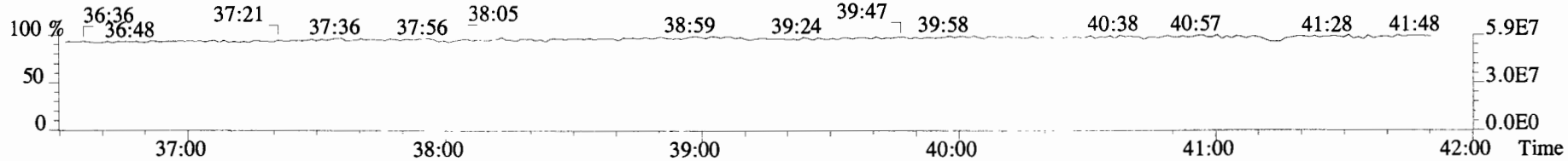

371.8817 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



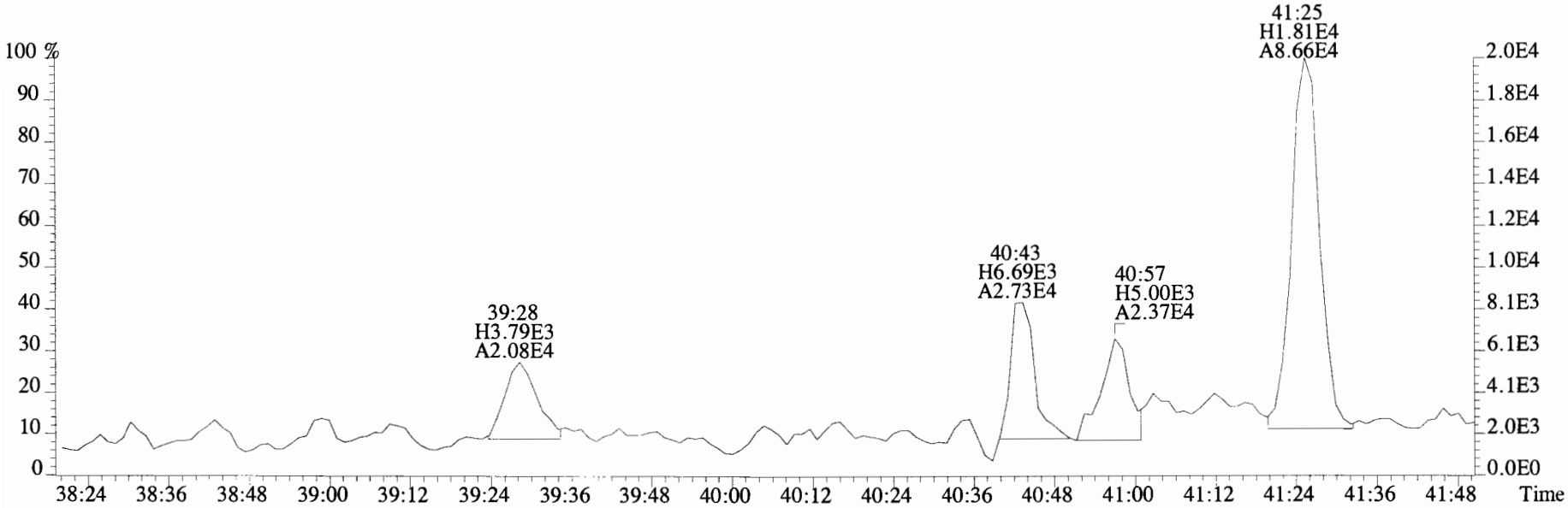

373.8788 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2680.0,0.00%,F,F)



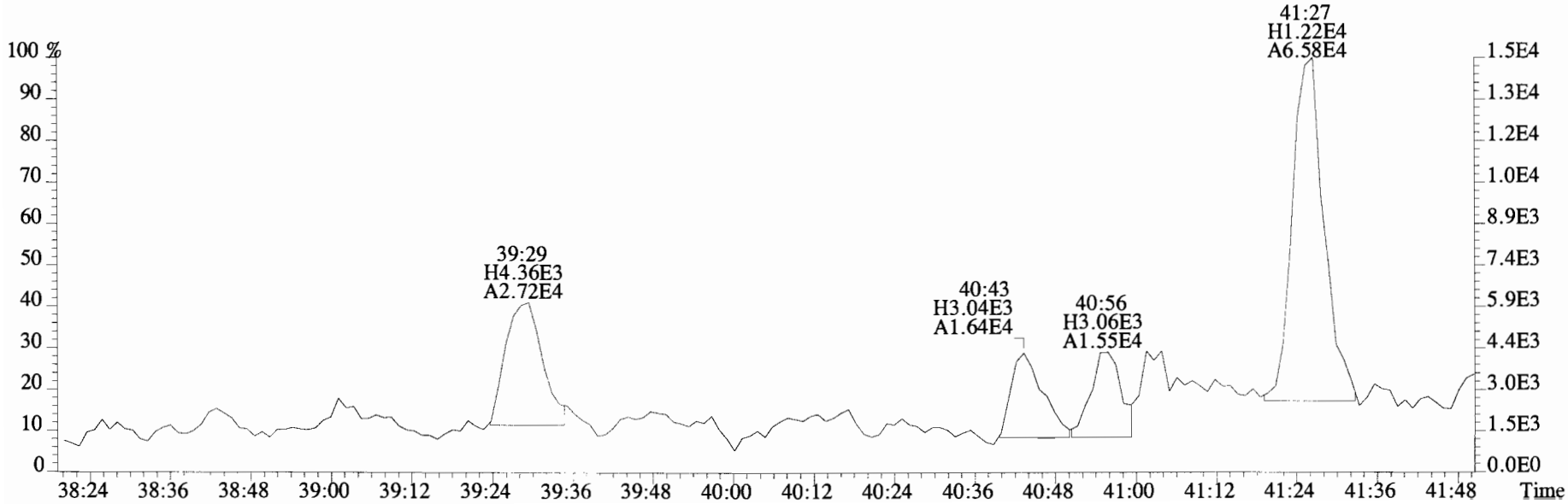

330.9792 S:8 F:3



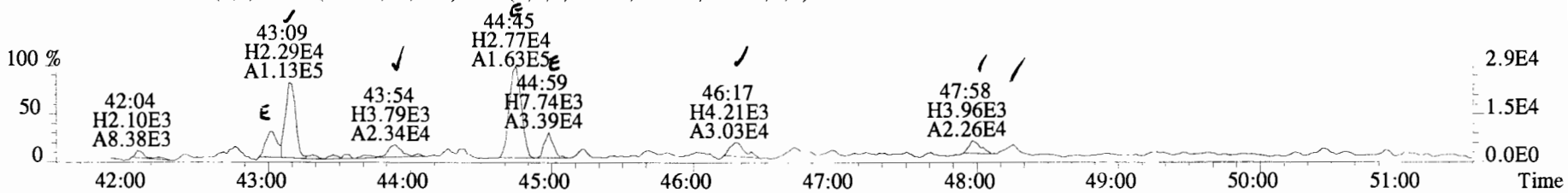
File:180409E1 #1-756 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
359.8415 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



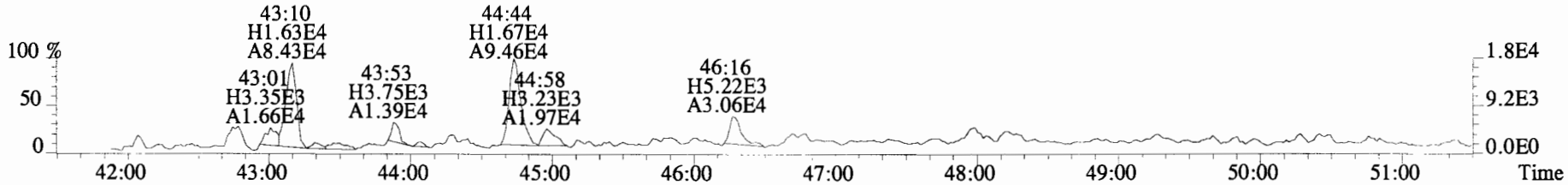

361.8385 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1928.0,0.00%,F,F)



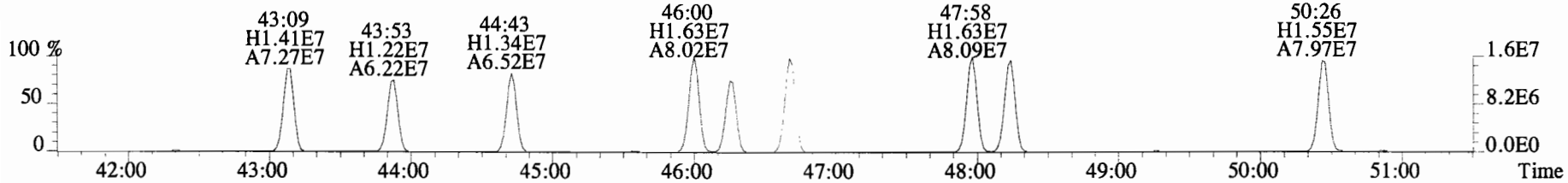
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
359.8415 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



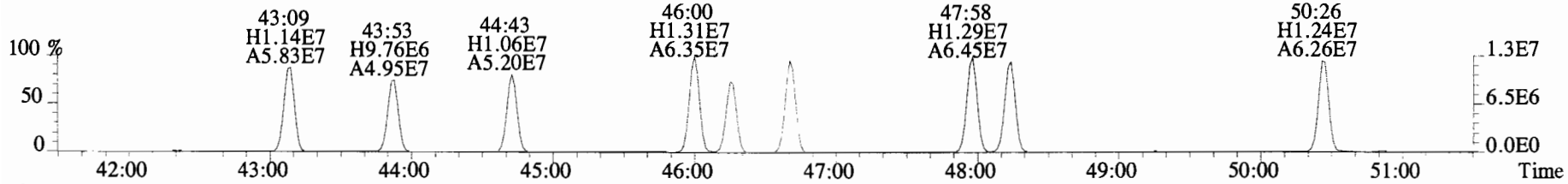

361.8385 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2656.0,0.00%,F,F)



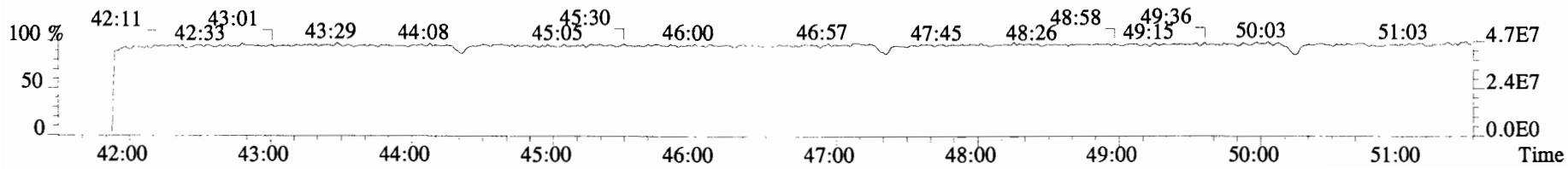

371.8817 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14968.0,0.00%,F,F)



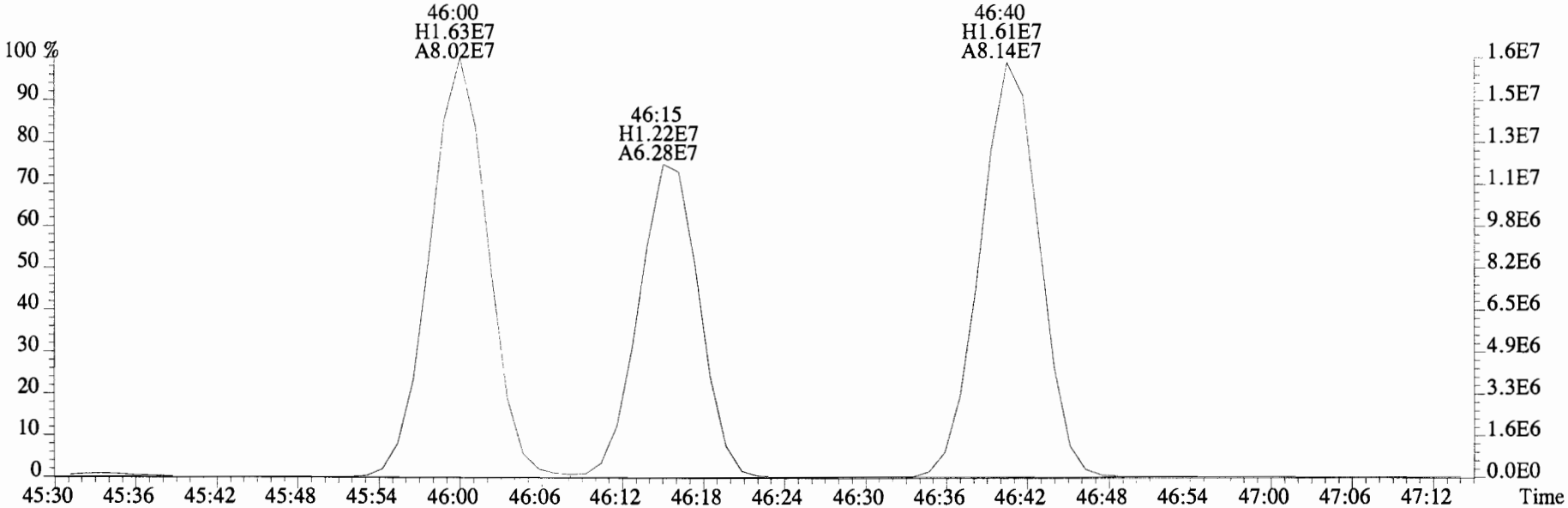

373.8788 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13540.0,0.00%,F,F)



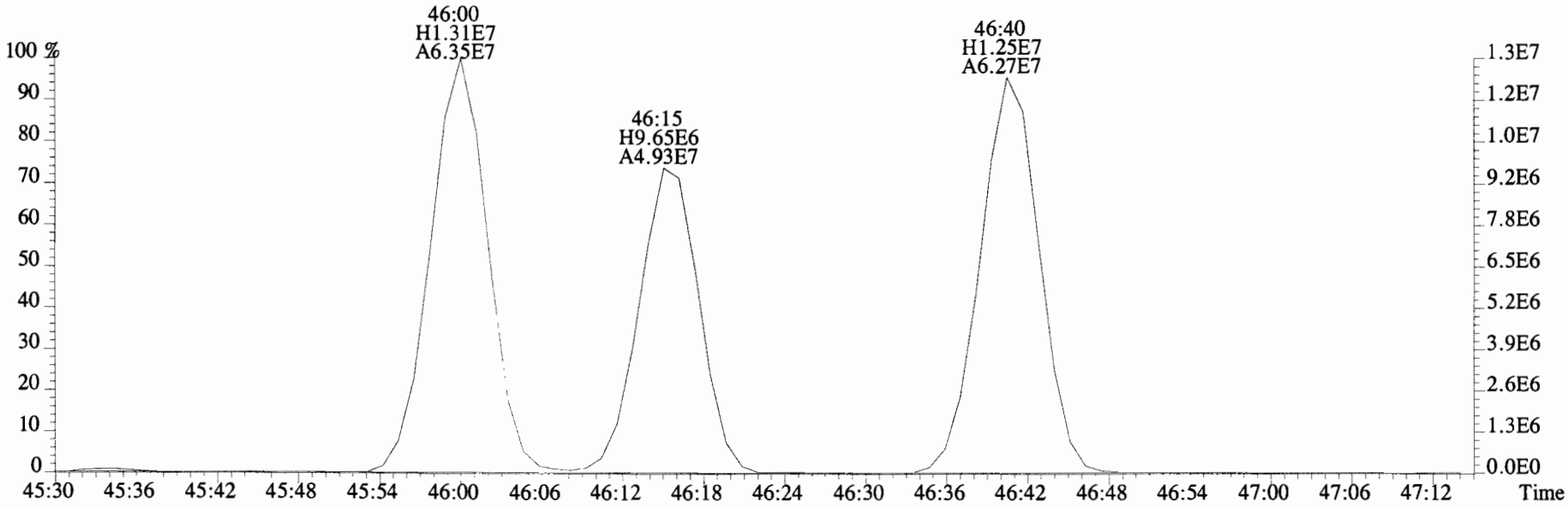

380.9760 S:8 F:4



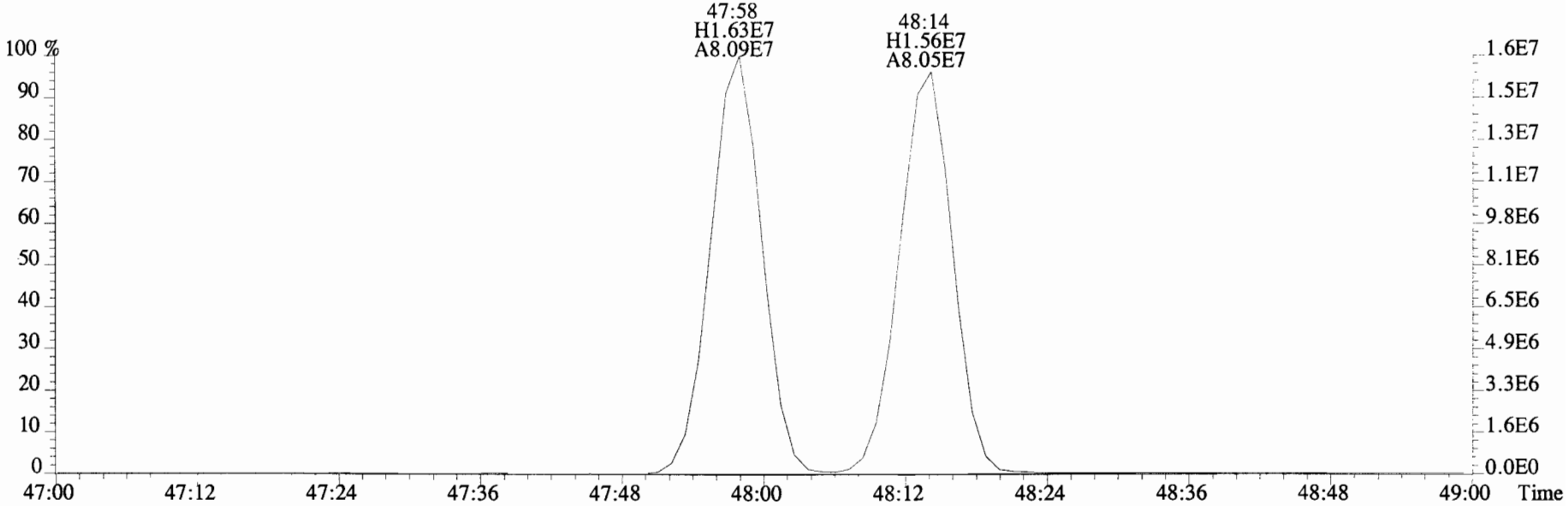
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
371.8817 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14968.0,0.00%,F,F)



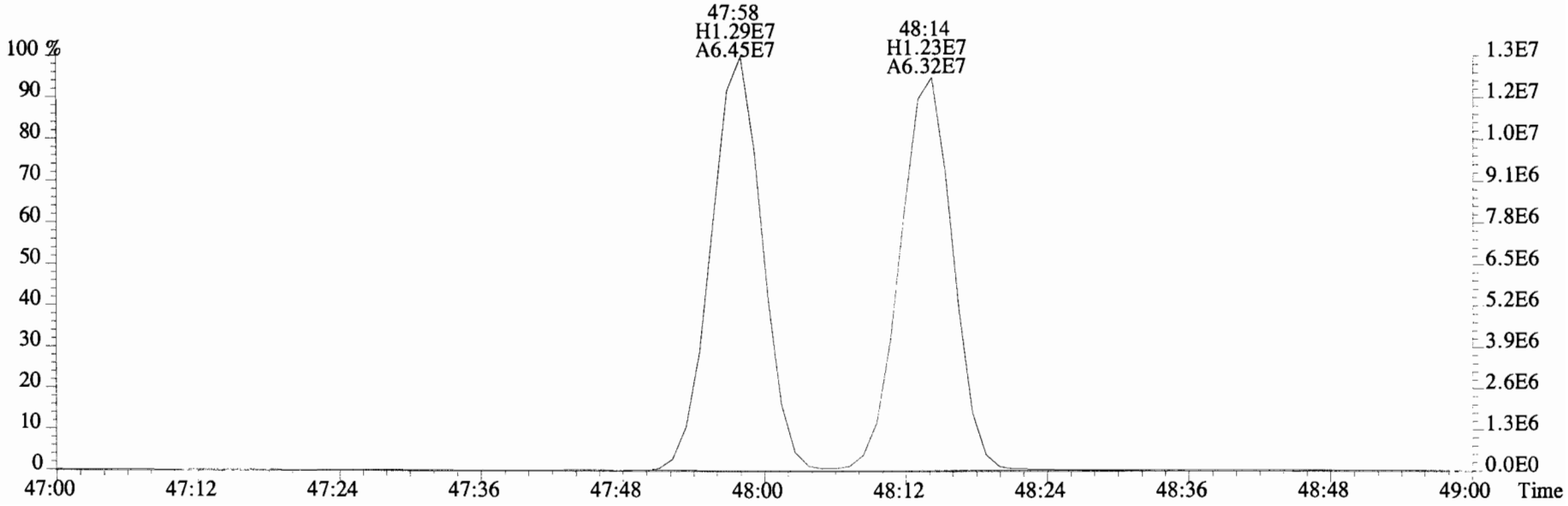

373.8788 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13540.0,0.00%,F,F)



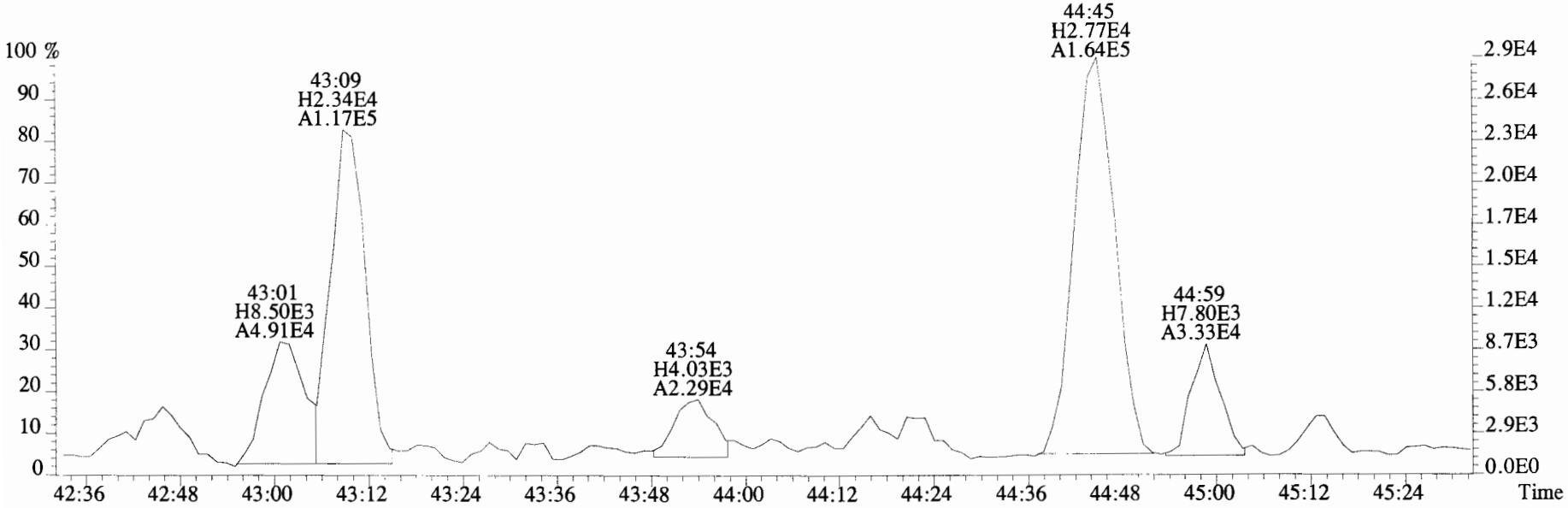
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
371.8817 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14968.0,0.00%,F,F)



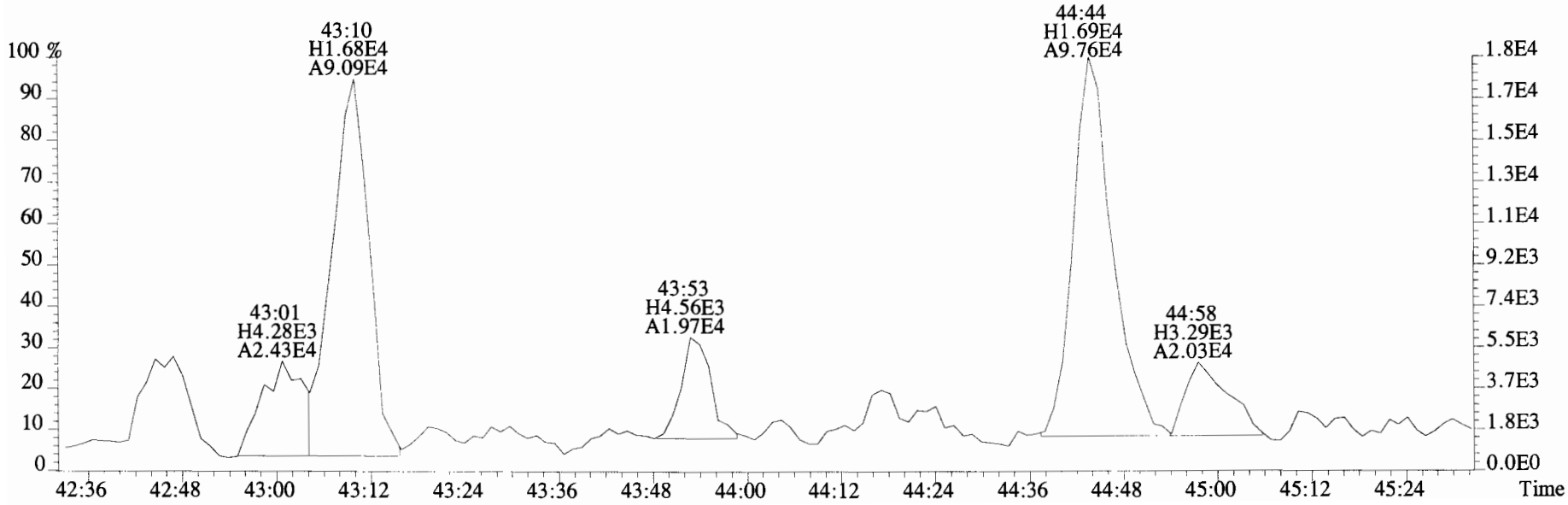

373.8788 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13540.0,0.00%,F,F)



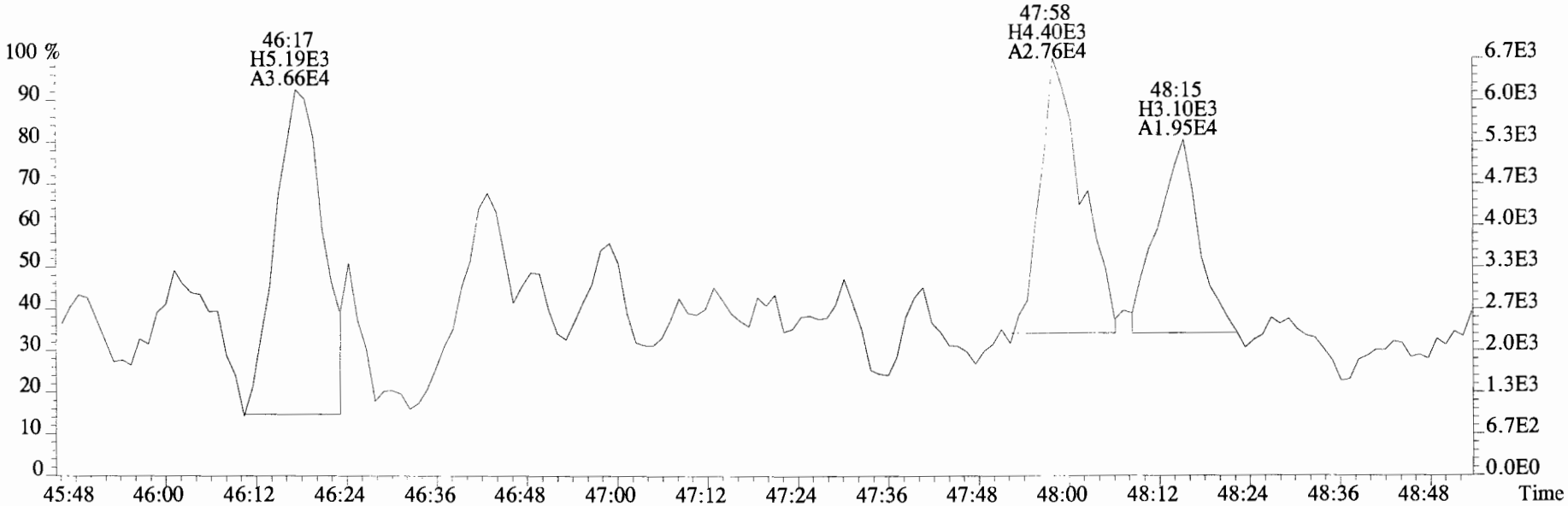
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
359.8415 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



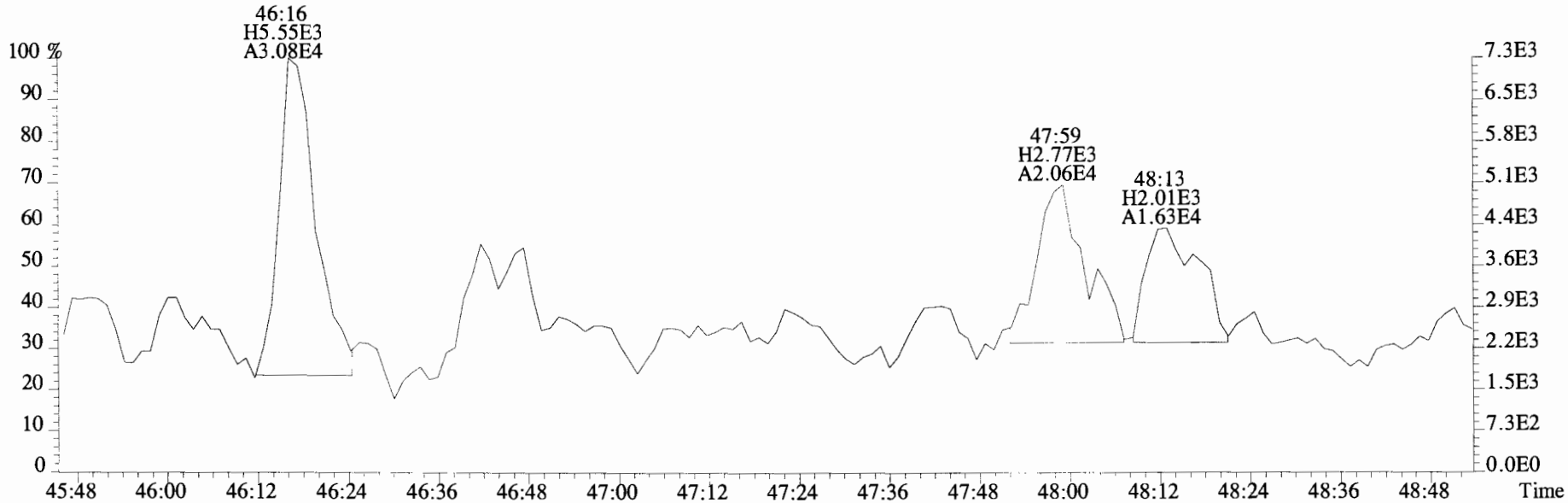

361.8385 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2656.0,0.00%,F,F)



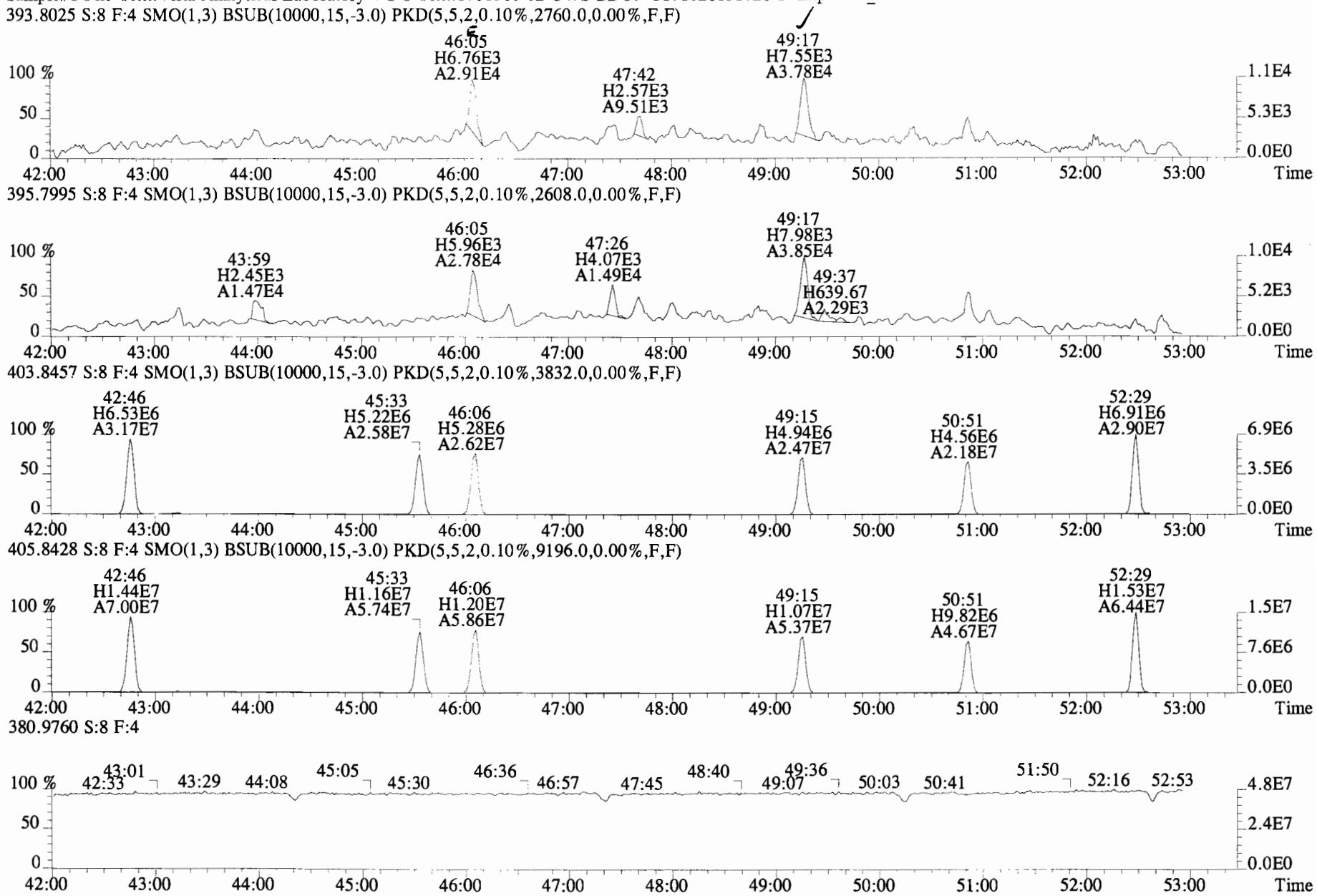
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
359.8415 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



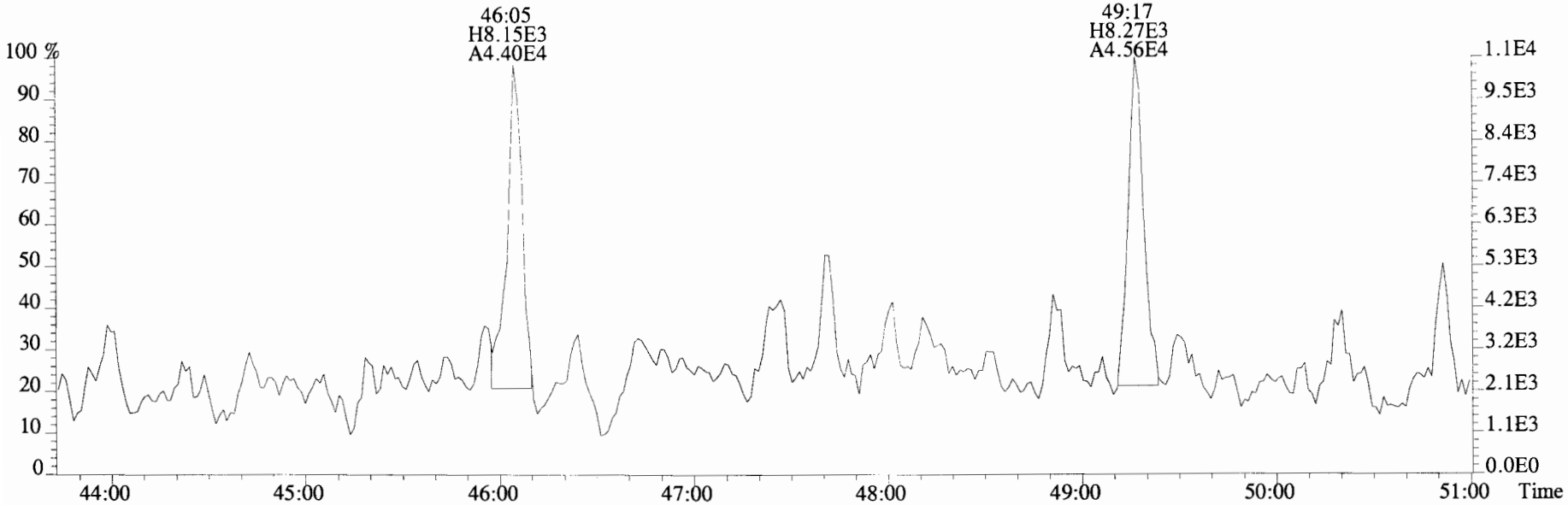

361.8385 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2656.0,0.00%,F,F)



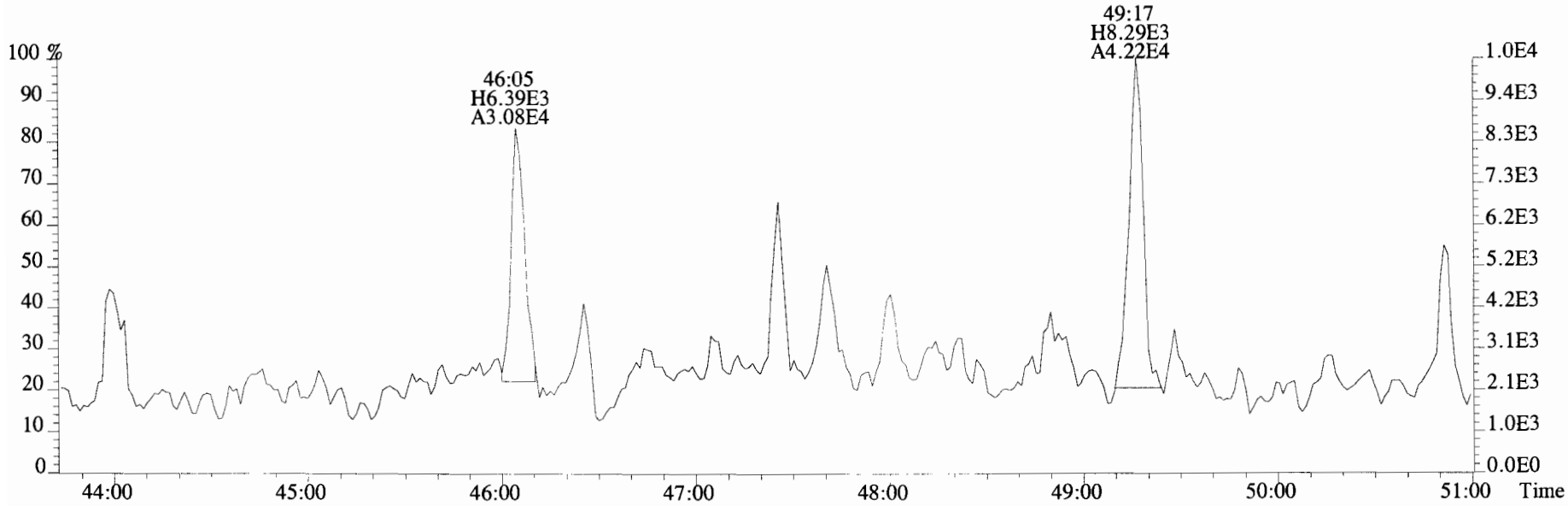
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1



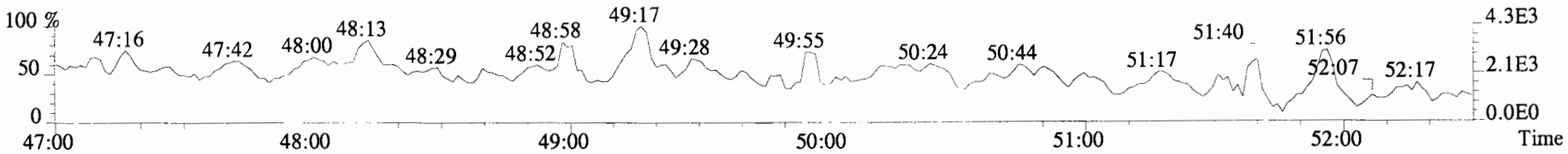
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
393.8025 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2760.0,0.00%,F,F)



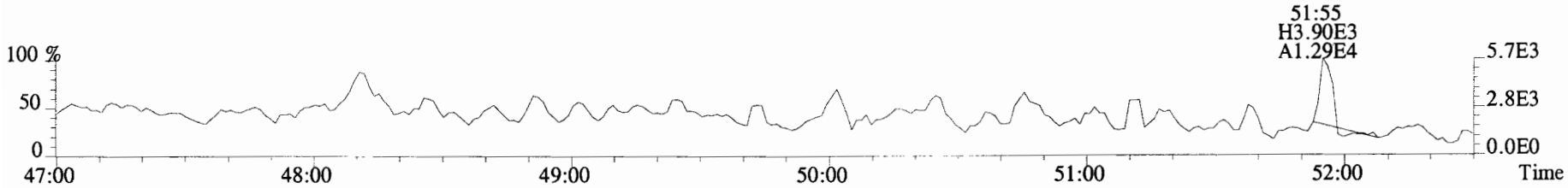

395.7995 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2608.0,0.00%,F,F)



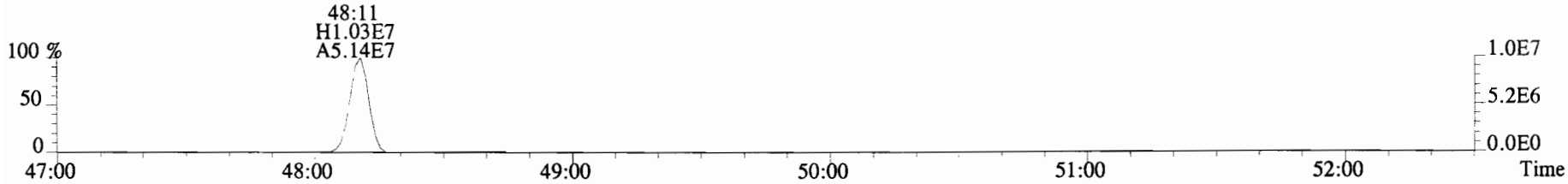
File:180409E1 #1-574 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
427.7635 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2556.0,0.00%,F,F)



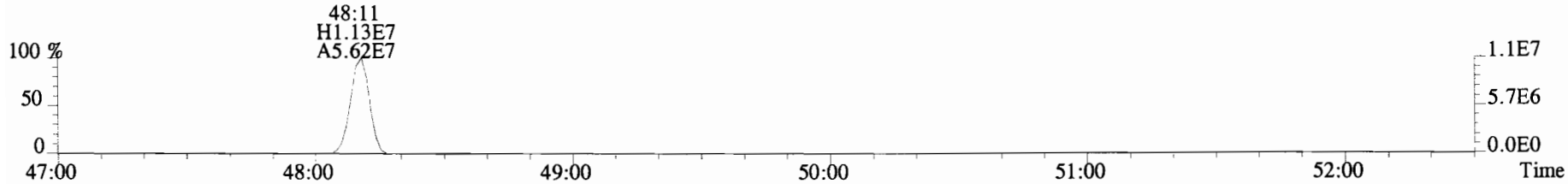

429.7606 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2900.0,0.00%,F,F)



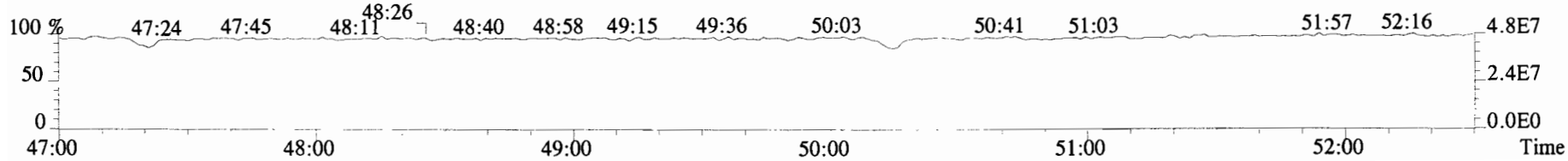

439.8038 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1904.0,0.00%,F,F)




441.8008 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2112.0,0.00%,F,F)

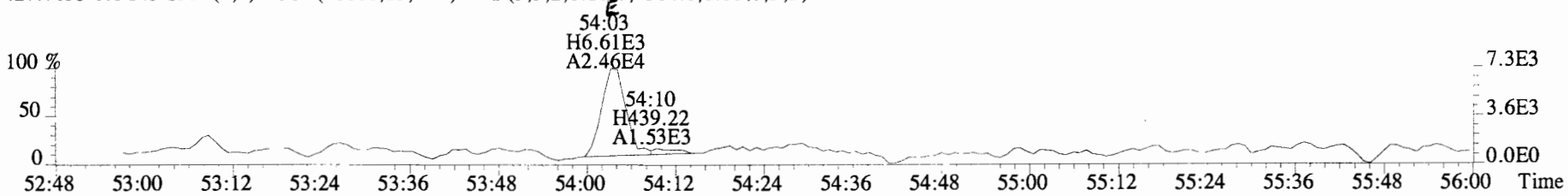



380.9760 S:8 F:4

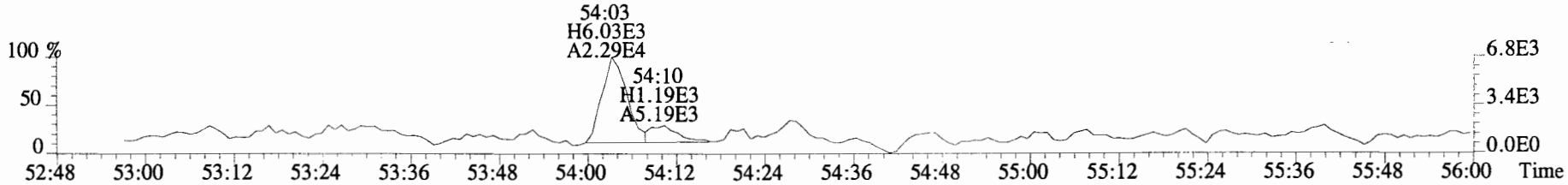


File:180409E1 #1-407 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1

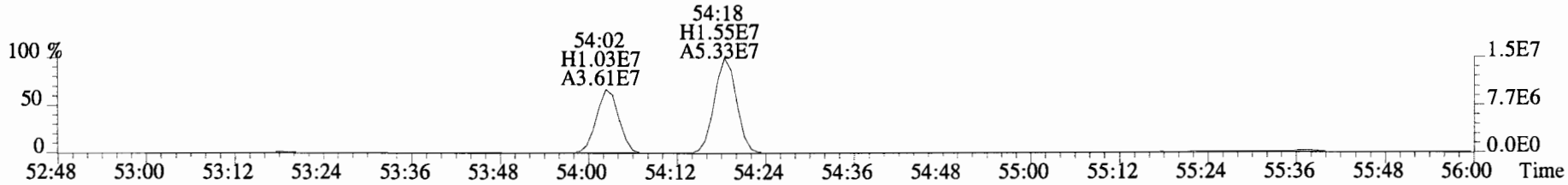
427.7635 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1304.0,0.00%,F,F)



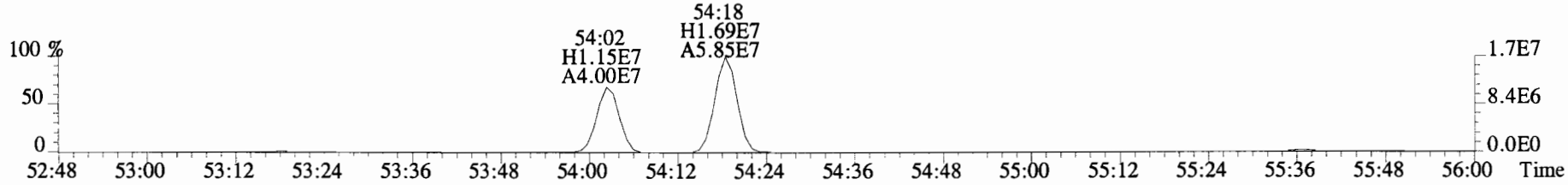

429.7606 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1628.0,0.00%,F,F)



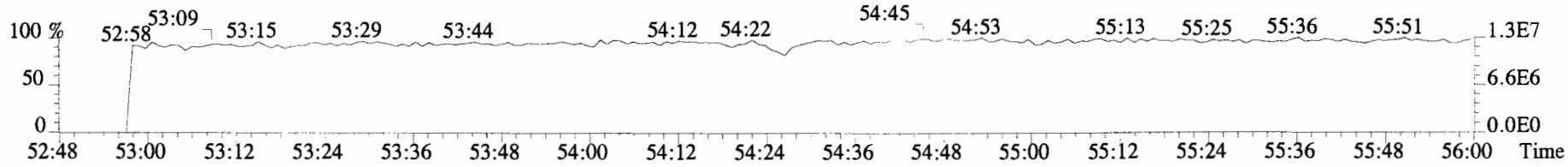

439.8038 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3228.0,0.00%,F,F)



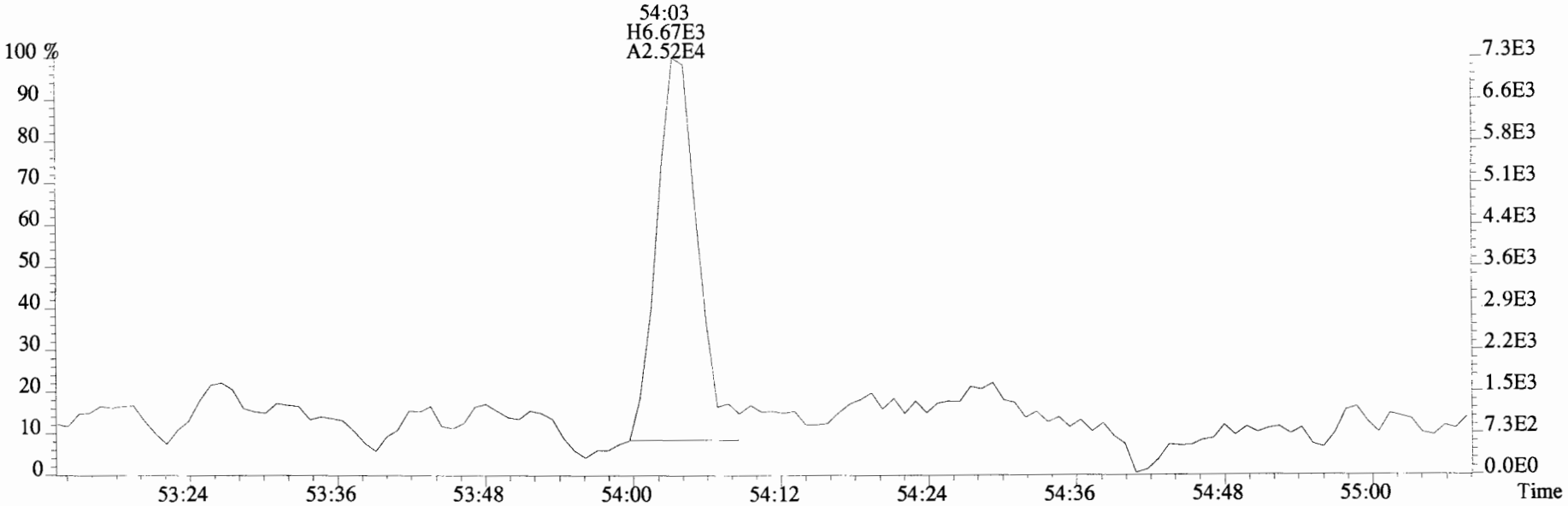

441.8008 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4972.0,0.00%,F,F)



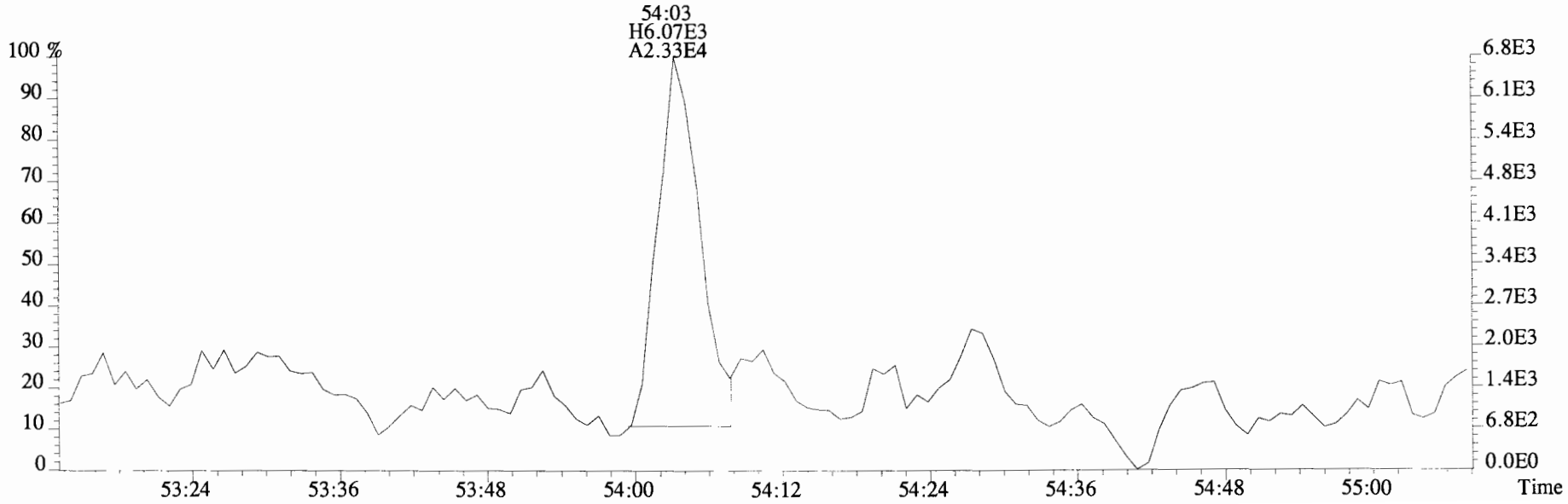

492.9697 S:8 F:5



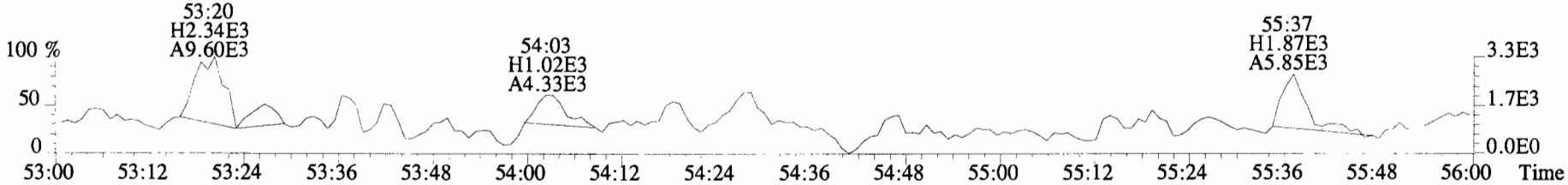
File:180409E1 #1-407 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
427.7635 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1304.0,0.00%,F,F)



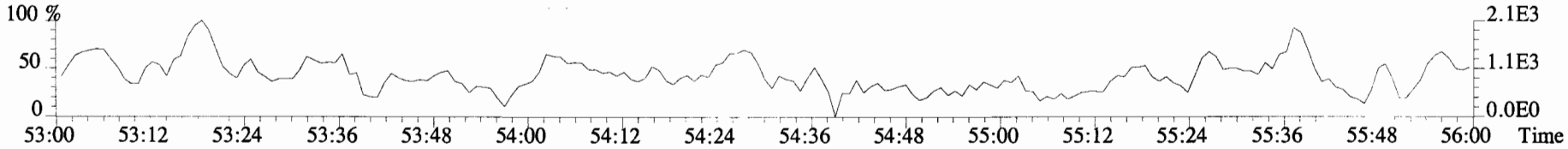

429.7606 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1628.0,0.00%,F,F)



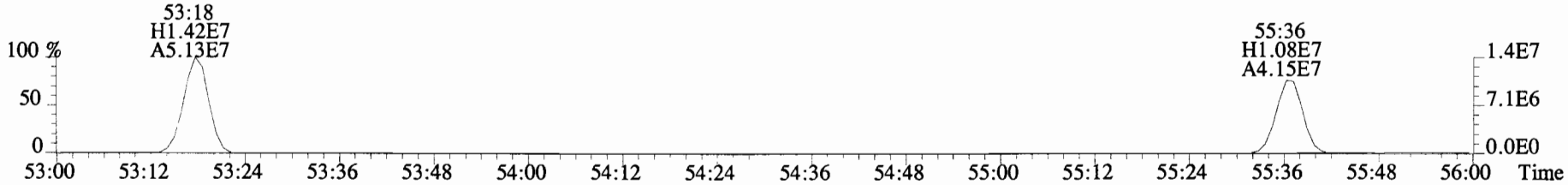
File:180409E1 #1-407 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1
463.7216 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1296.0,0.00%,F,F)



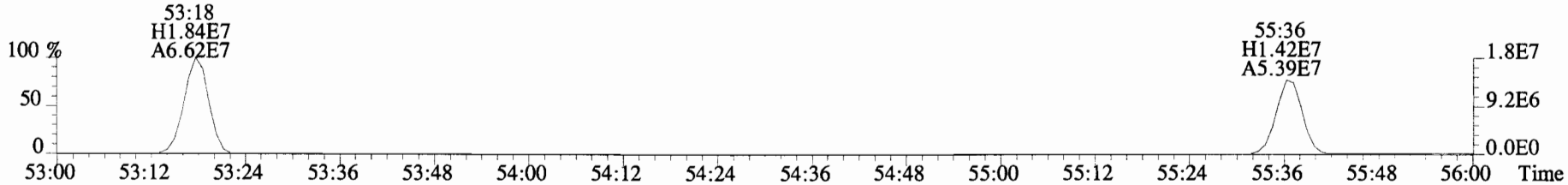

465.7186 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1208.0,0.00%,F,F)



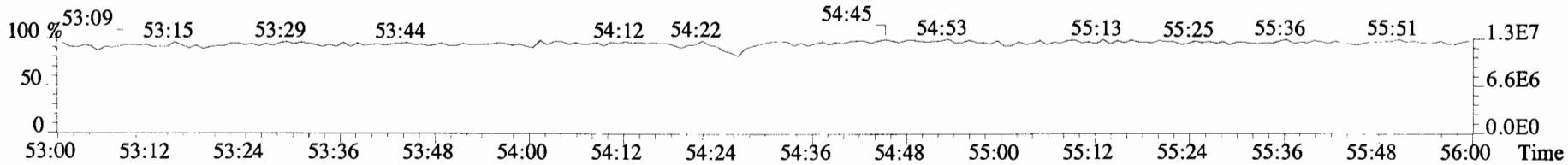

473.7648 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17796.0,0.00%,F,F)




475.7619 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22784.0,0.00%,F,F)

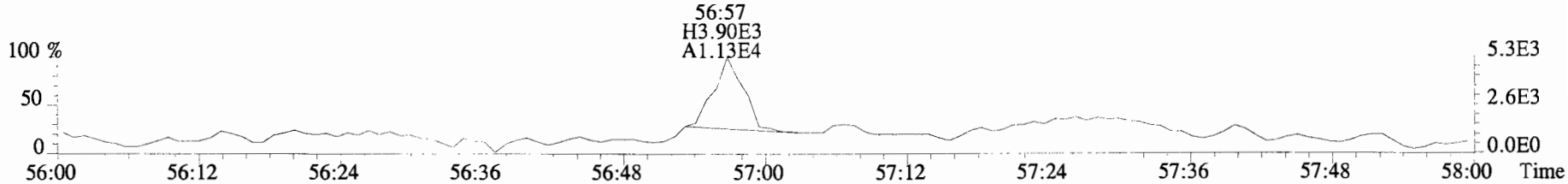



492.9697 S:8 F:5

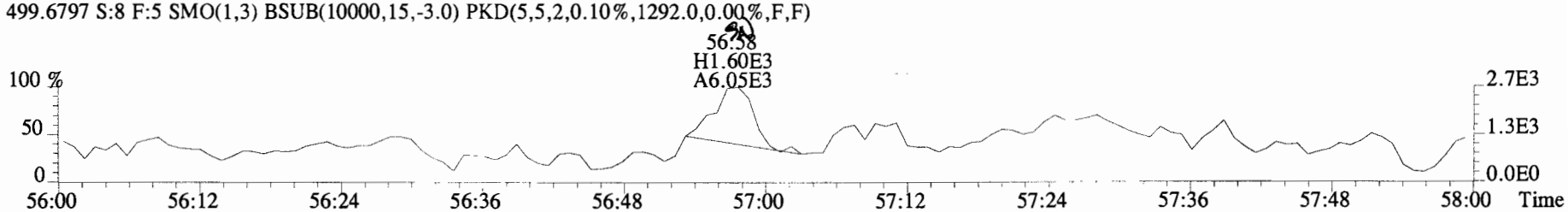


File:180409E1 #1-407 Acq:10-APR-2018 01:09:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:1701560-02 OWS-BDUP-T171026131726 1 Exp:PCB_ZB1

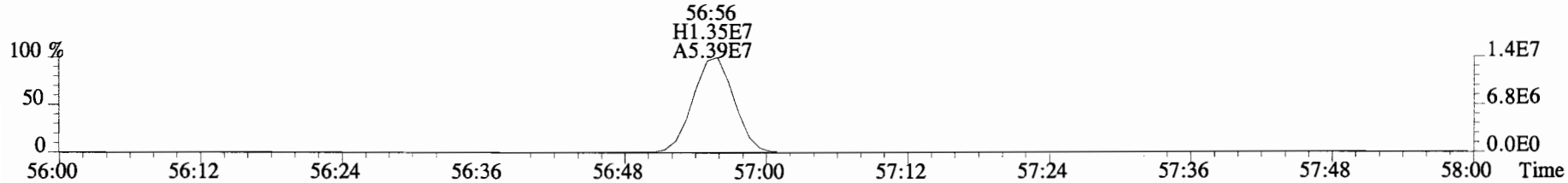
497.6826 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1216.0,0.00%,F,F)



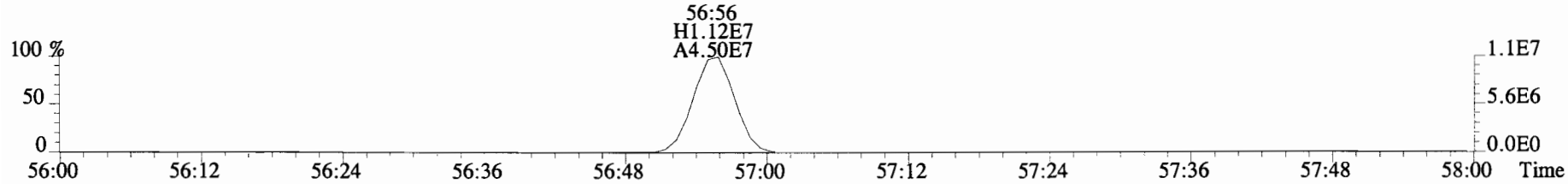

499.6797 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1292.0,0.00%,F,F)



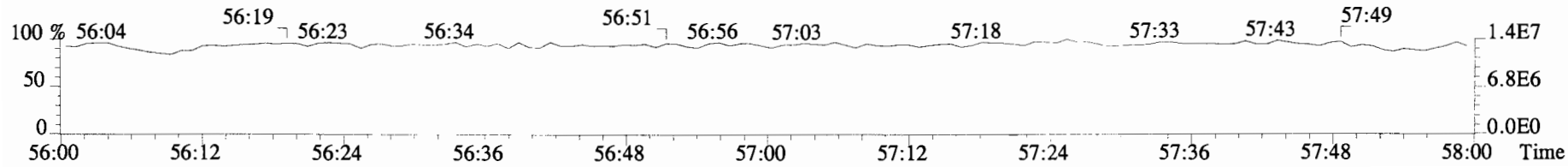

509.7229 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1484.0,0.00%,F,F)




511.7199 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1424.0,0.00%,F,F)




492.9697 S:8 F:5



Client ID: OWS-FDBL-T171026132307 Filename: 180409E1 S:9 Acq:10-APR-18 02:14:46 ✓ConCal: ST180409E1-1 
Lab ID: 1701560-01 GC Column ID: ZB-1 ICal: PCBVG8 2-8-18 wt/vol: 0.858 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 6.21e+04 | 2.69 | y 15:58 | 1.07 | 2.256 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Mono | PCB-2 | * | * | n NotF╗ | 1.06 | * | | 3060 | 1.0 | 1.47 | * | 0.983-0.993 |
| Mono | PCB-3 | * | * | n NotF╗ | 1.06 | * | | 2520 | 1.0 | 1.21 | * | 0.996-1.006 |
| Di | PCB-4/10 | * | * | n NotF╗ | 1.24 | * | | 26300 | 1.0 | 9.47 | * | 0.998-1.008 |
| Di | PCB-7/9 | * | * | n NotF╗ | 0.99 | * | | 2430 | 2.5 | 1.62 | * | 0.863-0.871 |
| Di | PCB-6 | * | * | n NotF╗ | 1.06 | * | | 14300 | 1.0 | 3.58 | * | 0.888-0.897 |
| Di | PCB-5/8 | * | * | n NotF╗ | 1.03 | * | | 32100 | 1.0 | 8.28 | * | 0.904-0.913 |
| Di | PCB-14 | * | * | n NotF╗ | 1.03 | * | | 2430 | 2.5 | 1.35 | * | 0.948-0.958 |
| Di | PCB-11 | 3.51e+05 | 2.04 | n 25:08 | 1.11 | 7.204 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | * | * | n NotF╗ | 1.02 | * | | 2430 | 2.5 | 1.37 | * | 1.011-1.021 |
| Di | PCB-15 | * | * | n NotF╗ | 1.05 | * | | 16900 | 1.0 | 3.66 | * | 1.023-1.033 |
| Tri | PCB-19 | 1.07e+05 | 1.16 | y 24:06 | 1.20 | 3.510 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | * | * | n NotF╗ | 1.93 | * | | 2280 | 2.5 | 0.917 | * | 1.034-1.044 |
| Tri | PCB-18 | 2.87e+05 | 1.18 | y 25:46 | 0.91 | 7.174 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 1.47e+05 | 1.09 | y 25:56 | 0.84 | 3.993 | | * | 2.5 | * | 0.959 | 0.955-0.965 |
| Tri | PCB-24/27 | 1.40e+05 | 1.16 | y 26:30 | 1.15 | 2.783 | | * | 2.5 | * | 0.980 | 0.977-0.986 |
| Tri | PCB-16/32 | 3.25e+05 | 1.13 | y 27:01 | 1.02 | 7.267 | | * | 2.5 | * | 0.999 | 0.995-1.005 |
| Tri | PCB-34 | * | * | n NotF╗ | 0.96 | * | | 1370 | 2.5 | 0.749 | * | 0.955-0.965 |
| Tri | PCB-23 | * | * | n NotF╗ | 0.95 | * | | 1370 | 2.5 | 0.756 | * | 0.958-0.968 |
| Tri | PCB-29 | * | * | n NotF╗ | 0.96 | * | | 1370 | 2.5 | 0.746 | * | 0.966-0.976 |
| Tri | PCB-26 | 7.68e+04 | 0.91 | y 28:23 | 1.00 | 1.716 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | * | * | n NotF╗ | 1.06 | * | | 1370 | 2.5 | 0.680 | * | 0.980-0.990 |
| Tri | PCB-31 | 2.93e+05 | 1.05 | y 28:54 | 1.10 | 5.972 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 3.28e+05 | 1.19 | y 29:00 | 1.14 | 6.473 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 2.82e+05 | 1.08 | y 29:38 | 1.00 | 6.355 | | * | 2.5 | * | 1.022 | 1.017-1.027 |
| Tri | PCB-22 | 1.67e+05 | 0.93 | y 30:03 | 1.09 | 3.447 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | * | * | n NotF╗ | 1.15 | * | | 1370 | 2.5 | 0.686 | * | 0.929-0.939 |
| Tri | PCB-39 | * | * | n NotF╗ | 1.07 | * | | 1370 | 2.5 | 0.738 | * | 0.943-0.953 |
| Tri | PCB-38 | * | * | n NotF╗ | 1.10 | * | | 1370 | 2.5 | 0.716 | * | 0.966-0.976 |
| Tri | PCB-35 | * | * | n NotF╗ | 1.12 | * | | 1370 | 2.5 | 0.703 | * | 0.982-0.992 |
| Tri | PCB-37 | 6.50e+04 | 1.36 | n 32:53 | 1.11 | 1.325 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | * | * | n NotF╗ | 1.07 | * | | 1350 | 2.5 | 0.611 | * | 0.996-1.006 |
| Tetra | PCB-50 | * | * | n NotF╗ | 0.87 | * | | 1350 | 2.5 | 0.749 | * | 1.038-1.048 |
| Tetra | PCB-53 | 7.35e+04 | 0.76 | y 29:41 | 1.01 | 1.705 | | * | 2.5 | * | 0.945 | 0.940-0.950 |
| Tetra | PCB-51 | * | * | n NotF╗ | 1.10 | * | | 1350 | 2.5 | 0.604 | * | 0.952-0.962 |
| Tetra | PCB-45 | 4.78e+04 | 1.12 | n 30:28 | 0.87 | 1.285 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 4.83e+04 | 0.73 | y 30:57 | 0.84 | 1.353 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:
Analyst: DB
Date: 4/11/18

Reviewed by: CT Date: 4/12/18

Client ID: OWS-FDBL-T171026132307 Filename: 180409E1 S:9 Acq:10-APR-18 02:14:46 ConCal: ST180409E1-1 
Lab ID: 1701560-03 GC Column ID: ZB-1 ICal: PCBVG9-2-8-18 wt/vol: 0.858 FndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 2.45e+05 | 0.77 | y 31:25 | 1.21 | 4.725 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | * | * | n NotF | 1.45 | * | | 1350 | 2.5 | 0.457 | * | 1.000-1.010 |
| Tetra | PCB-43/49 | 1.52e+05 | 0.71 | y 31:43 | 1.01 | 3.531 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 1.20e+05 | 0.82 | y 31:55 | 0.91 | 2.790 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-48/75 | 7.24e+04 | 0.84 | y 32:02 | 1.13 | 1.349 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | * | * | n NotF | 1.27 | * | | 1350 | 2.5 | 0.471 | * | 1.007-1.017 |
| Tetra | PCB-62 | * | * | n NotF | 1.10 | * | | 1350 | 2.5 | 0.546 | * | 1.011-1.021 |
| Tetra | PCB-44 | 1.70e+05 | 0.57 | n 32:43 | 0.85 | 4.204 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Tetra | PCB-42/59 | 7.01e+04 | 1.15 | n 32:56 | 1.02 | 1.450 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 2.78e+05 | 0.74 | y 33:31 | 1.17 | 5.040 | | * | 2.5 | * | 1.050 | 1.046-1.056 |
| Tetra | PCB-68 | 5.75e+04 | 0.70 | y 33:47 | 1.28 | 0.9505 | | * | 2.5 | * | 1.058 | 1.054-1.064 |
| Tetra | PCB-40 | * | * | n NotF | 0.62 | * | | 1350 | 2.5 | 0.959 | * | 1.060-1.070 |
| Tetra | PCB-57 | * | * | n NotF | 1.13 | * | | 1350 | 2.5 | 0.454 | * | 0.965-0.975 |
| Tetra | PCB-67 | * | * | n NotF | 1.10 | * | | 1350 | 2.5 | 0.465 | * | 0.973-0.983 |
| Tetra | PCB-58 | * | * | n NotF | 1.12 | * | | 1350 | 2.5 | 0.456 | * | 0.977-0.987 |
| Tetra | PCB-63 | * | * | n NotF | 1.00 | * | | 1350 | 2.5 | 0.512 | * | 0.981-0.991 |
| Tetra | PCB-74 | 7.12e+04 | 0.68 | y 35:14 | 1.18 | 1.045 | | * | 2.5 | * | 0.994 | 0.989-0.999 |
| Tetra | PCB-61/70 | 1.66e+05 | 0.87 | y 35:26 | 1.03 | 2.813 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 1.01e+05 | 1.01 | n 35:39 | 1.13 | 1.548 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | * | * | n NotF | 1.19 | * | | 1350 | 2.5 | 0.409 | * | 0.995-1.005 |
| Tetra | PCB-55 | * | * | n NotF | 1.16 | * | | 1350 | 2.5 | 0.422 | * | 1.004-1.014 |
| Tetra | PCB-56/60 | 1.25e+05 | 0.65 | y 36:40 | 1.04 | 2.016 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | * | * | n NotF | 1.17 | * | | 1350 | 2.5 | 0.418 | * | 1.047-1.057 |
| Tetra | PCB-78 | * | * | n NotF | 1.10 | * | | 1350 | 2.5 | 0.408 | * | 0.982-0.992 |
| Tetra | PCB-81 | * | * | n NotF | 0.97 | * | | 1350 | 2.5 | 0.465 | * | 0.995-1.005 |
| Tetra | PCB-77 | * | * | n NotF | 1.08 | * | | 1350 | 2.5 | 0.448 | * | 0.995-1.005 |
| Penta | PCB-104 | * | * | n NotF | 1.08 | * | | 1260 | 2.5 | 0.808 | * | 0.996-1.006 |
| Penta | PCB-96 | * | * | n NotF | 1.13 | * | | 1260 | 2.5 | 0.769 | * | 1.034-1.044 |
| Penta | PCB-103 | * | * | n NotF | 0.91 | * | | 1260 | 2.5 | 0.959 | * | 1.051-1.061 |
| Penta | PCB-100 | * | * | n NotF | 0.93 | * | | 1260 | 2.5 | 0.941 | * | 1.062-1.072 |
| Penta | PCB-94 | * | * | n NotF | 0.91 | * | | 1260 | 2.5 | 1.22 | * | 0.981-0.991 |
| Penta | PCB-95/98/102 | 1.22e+05 | 1.66 | y 35:44 | 1.17 | 3.011 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Penta | PCB-93 | * | * | n NotF | 0.93 | * | | 1260 | 2.5 | 1.21 | * | 0.997-1.007 |
| Penta | PCB-88/91 | * | * | n NotF | 0.97 | * | | 1260 | 2.5 | 1.15 | * | 1.005-1.015 |
| Penta | PCB-121 | * | * | n NotF | 1.68 | * | | 1260 | 2.5 | 0.665 | * | 1.009-1.019 |
| Penta | PCB-84/92 | 4.30e+04 | 1.14 | n 37:03 | 0.97 | 1.159 | | * | 2.5 | * | 0.991 | 0.985-0.995 |
| Penta | PCB-89 | * | * | n NotF | 1.06 | * | | 1260 | 2.5 | 0.966 | * | 0.990-1.000 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-FDBL-T171026132307 Filename: 180409E1 S:9 Acq:10-APR-18 02:14:46 ConCal: ST180409E1-1

Lab ID: 1701560-03 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.858 EndCAL: NA



| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 5.52e+04 | 2.10 | n 37:26 | 1.08 | 1.346 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-113 | * | * | n NotF¶ | 1.48 | * | | 1260 | 2.5 | 0.699 | * | 1.002-1.012 |
| Penta | PCB-99 | 2.83e+04 | 1.64 | y 37:45 | 1.25 | 0.5925 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | * | * | n NotF¶ | 1.70 | * | | 1260 | 2.5 | 0.655 | * | 0.982-0.992 |
| Penta | PCB-108/112 | * | * | n NotF¶ | 1.40 | * | | 1260 | 2.5 | 0.794 | * | 0.986-0.996 |
| Penta | PCB-83 | * | * | n NotF¶ | 1.75 | * | | 1260 | 2.5 | 0.635 | * | 0.990-1.000 |
| Penta | PCB-97 | * | * | n NotF¶ | 1.17 | * | | 1260 | 2.5 | 0.948 | * | 0.995-1.005 |
| Penta | PCB-86 | * | * | n NotF¶ | 1.08 | * | | 1260 | 2.5 | 1.03 | * | 0.999-1.009 |
| Penta | PCB-87/117/125 | 6.11e+04 | 1.56 | y 39:00 | 1.55 | 1.135 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Penta | PCB-111/115 | * | * | n NotF¶ | 1.79 | * | | 1260 | 2.5 | 0.621 | * | 1.006-1.016 |
| Penta | PCB-85/116 | * | * | n NotF¶ | 1.29 | * | | 1260 | 2.5 | 0.863 | * | 1.009-1.019 |
| Penta | PCB-120 | * | * | n NotF¶ | 1.98 | * | | 1260 | 2.5 | 0.562 | * | 1.016-1.026 |
| Penta | PCB-110 | 1.07e+05 | 1.57 | y 39:40 | 1.69 | 1.832 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | * | * | n NotF¶ | 0.81 | * | | 1260 | 2.5 | 0.986 | * | 0.972-0.982 |
| Penta | PCB-124 | * | * | n NotF¶ | 1.30 | * | | 1260 | 2.5 | 0.614 | * | 0.988-0.998 |
| Penta | PCB-107/109 | * | * | n NotF¶ | 1.31 | * | | 1260 | 2.5 | 0.605 | * | 0.991-1.001 |
| Penta | PCB-123 | * | * | n NotF¶ | 1.12 | * | | 1260 | 2.5 | 0.708 | * | 0.996-1.006 |
| Penta | PCB-106/118 | 3.94e+04 | 1.13 | n 41:29 | 1.18 | 0.6534 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-114 | * | * | n NotF¶ | 1.11 | * | | 1000 | 2.5 | 0.629 | * | 0.995-1.005 |
| Penta | PCB-122 | * | * | n NotF¶ | 1.03 | * | | 1000 | 2.5 | 0.680 | * | 0.999-1.009 |
| Penta | PCB-105 | * | * | n NotF¶ | 1.12 | * | | 1000 | 2.5 | 0.687 | * | 0.995-1.005 |
| Penta | PCB-127 | * | * | n NotF¶ | 1.12 | * | | 1000 | 2.5 | 0.618 | * | 0.995-1.005 |
| Penta | PCB-126 | * | * | n NotF¶ | 1.20 | * | | 1000 | 2.5 | 0.693 | * | 0.995-1.005 |
| Hexa | PCB-155 | * | * | n NotF¶ | 0.99 | * | | 1070 | 2.5 | 0.667 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n NotF¶ | 1.02 | * | | 1070 | 2.5 | 0.643 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n NotF¶ | 1.16 | * | | 1070 | 2.5 | 0.569 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n NotF¶ | 1.13 | * | | 1070 | 2.5 | 0.583 | * | 1.054-1.064 |
| Hexa | PCB-136 | * | * | n NotF¶ | 1.02 | * | | 1070 | 2.5 | 0.644 | * | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n NotF¶ | 0.77 | * | | 1070 | 2.5 | 0.852 | * | 1.066-1.076 |
| Hexa | PCB-154 | * | * | n NotF¶ | 0.88 | * | | 1070 | 2.5 | 0.752 | * | 1.079-1.089 |
| Hexa | PCB-151 | * | * | n NotF¶ | 0.75 | * | | 1070 | 2.5 | 0.876 | * | 1.095-1.107 |
| Hexa | PCB-135 | * | * | n NotF¶ | 0.86 | * | | 1070 | 2.5 | 0.766 | * | 1.101-1.113 |
| Hexa | PCB-144 | * | * | n NotF¶ | 0.77 | * | | 1070 | 2.5 | 0.860 | * | 1.105-1.116 |
| Hexa | PCB-147 | * | * | n NotF¶ | 0.80 | * | | 1070 | 2.5 | 0.818 | * | 1.108-1.120 |
| Hexa | PCB-139/149 | 7.55e+04 | 1.10 | y 41:25 | 0.88 | 1.990 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | * | * | n NotF¶ | 0.77 | * | | 1070 | 2.5 | 0.852 | * | 1.120-1.132 |
| Hexa | PCB-134/143 | * | * | n NotF¶ | 0.76 | * | | 1280 | 2.5 | 0.858 | * | 0.970-0.980 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-FDBL-T171026132307 Filename: 180409E1 S:9 Acq:10-APR-18 02:14:46 ConCal: ST180409E1-1
Lab ID: 1701560-03 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.858 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | * | * | n NotF | 0.82 | * | | 1280 | 2.5 | 0.799 | * | 0.977-0.987 |
| Hexa | PCB-142 | * | * | n NotF | 0.73 | * | | 1280 | 2.5 | 0.892 | * | 0.981-0.991 |
| Hexa | PCB-146/165 | * | * | n NotF | 1.02 | * | | 1280 | 2.5 | 0.640 | * | 0.986-0.996 |
| Hexa | PCB-132/161 | * | * | n NotF | 1.00 | * | | 1280 | 2.5 | 0.650 | * | 0.992-1.002 |
| Hexa | PCB-153 | 6.56e+04 | 1.24 | y 43:09 | 1.08 | 1.140 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | * | * | n NotF | 1.12 | * | | 1280 | 2.5 | 0.585 | * | 1.000-1.010 |
| Hexa | PCB-141 | * | * | n NotF | 1.02 | * | | 1280 | 2.5 | 0.772 | * | 0.995-1.005 |
| Hexa | PCB-137 | * | * | n NotF | 1.10 | * | | 1280 | 2.5 | 0.713 | * | 1.004-1.014 |
| Hexa | PCB-130 | * | * | n NotF | 0.81 | * | | 1280 | 2.5 | 0.976 | * | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 4.91e+04 | 1.80 | n 44:45 | 1.23 | 0.8338 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | * | * | n NotF | 1.18 | * | | 1280 | 2.5 | 0.627 | * | 1.001-1.011 |
| Hexa | PCB-129 | * | * | n NotF | 0.78 | * | | 1280 | 2.5 | 0.948 | * | 1.007-1.017 |
| Hexa | PCB-166 | * | * | n NotF | 1.13 | * | | 1280 | 2.5 | 0.541 | * | 0.988-0.998 |
| Hexa | PCB-159 | * | * | n NotF | 1.16 | * | | 1280 | 2.5 | 0.526 | * | 0.995-1.005 |
| Hexa | PCB-128/162 | * | * | n NotF | 0.89 | * | | 1280 | 2.5 | 0.683 | * | 1.002-1.012 |
| Hexa | PCB-167 | * | * | n NotF | 1.02 | * | | 1280 | 2.5 | 0.581 | * | 0.995-1.005 |
| Hexa | PCB-156 | * | * | n NotF | 1.06 | * | | 1280 | 2.5 | 0.576 | * | 0.995-1.005 |
| Hexa | PCB-157 | * | * | n NotF | 1.02 | * | | 1280 | 2.5 | 0.610 | * | 0.996-1.006 |
| Hexa | PCB-169 | * | * | n NotF | 1.13 | * | | 1280 | 2.5 | 0.545 | * | 0.995-1.005 |
| Hepta | PCB-188 | * | * | n NotF | 1.37 | * | | 1070 | 2.5 | 0.327 | * | 0.995-1.005 |
| Hepta | PCB-184 | * | * | n NotF | 1.32 | * | | 1070 | 2.5 | 0.340 | * | 1.006-1.016 |
| Hepta | PCB-179 | * | * | n NotF | 1.38 | * | | 1070 | 2.5 | 0.324 | * | 1.024-1.034 |
| Hepta | PCB-176 | * | * | n NotF | 1.31 | * | | 1070 | 2.5 | 0.343 | * | 1.035-1.045 |
| Hepta | PCB-186 | * | * | n NotF | 1.42 | * | | 1070 | 2.5 | 0.316 | * | 1.049-1.059 |
| Hepta | PCB-178 | * | * | n NotF | 0.97 | * | | 1070 | 2.5 | 0.463 | * | 1.060-1.070 |
| Hepta | PCB-175 | * | * | n NotF | 1.00 | * | | 1070 | 2.5 | 0.450 | * | 1.069-1.079 |
| Hepta | PCB-182/187 | * | * | n NotF | 1.14 | * | | 1070 | 2.5 | 0.393 | * | 1.072-1.082 |
| Hepta | PCB-183 | * | * | n NotF | 1.13 | * | | 1070 | 2.5 | 0.398 | * | 1.080-1.090 |
| Hepta | PCB-185 | * | * | n NotF | 1.36 | * | | 1070 | 2.5 | 0.436 | * | 0.950-0.960 |
| Hepta | PCB-174 | * | * | n NotF | 1.42 | * | | 1070 | 2.5 | 0.418 | * | 0.958-0.968 |
| Hepta | PCB-181 | * | * | n NotF | 1.48 | * | | 1070 | 2.5 | 0.401 | * | 0.960-0.970 |
| Hepta | PCB-177 | * | * | n NotF | 1.33 | * | | 1070 | 2.5 | 0.445 | * | 0.963-0.973 |
| Hepta | PCB-171 | * | * | n NotF | 1.37 | * | | 1070 | 2.5 | 0.431 | * | 0.969-0.979 |
| Hepta | PCB-173 | * | * | n NotF | 1.27 | * | | 1070 | 2.5 | 0.466 | * | 0.978-0.988 |
| Hepta | PCB-172 | * | * | n NotF | 1.39 | * | | 1070 | 2.5 | 0.427 | * | 0.987-0.997 |
| Hepta | PCB-192 | * | * | n NotF | 1.80 | * | | 1070 | 2.5 | 0.328 | * | 0.991-1.001 |
| Hepta | PCB-180 | * | * | n NotF | 1.52 | * | | 1070 | 2.5 | 0.390 | * | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-FDBL-T171026132307 Filename: 180409E1 S:9 Acq:10-APR-18 02:14:46 ConCal: ST180409E1-1
Lab ID: 1701560-03 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.858 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | * | * | n NotF | 1.71 | * | | 1070 | 2.5 | 0.345 | * | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n NotF | 1.74 | * | | 1070 | 2.5 | 0.340 | * | 1.005-1.015 |
| Hepta | PCB-170 | * | * | n NotF | 1.44 | * | | 1070 | 2.5 | 0.441 | * | 0.995-1.005 |
| Hepta | PCB-190 | * | * | n NotF | 1.95 | * | | 1070 | 2.5 | 0.324 | * | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n NotF | 1.46 | * | | 1070 | 2.5 | 0.294 | * | 0.995-1.005 |
| Octa | PCB-202 | * | * | n NotF | 1.06 | * | | 970 | 2.5 | 0.494 | * | 0.995-1.005 |
| Octa | PCB-201 | * | * | n NotF | 0.98 | * | | 970 | 2.5 | 0.536 | * | 1.006-1.016 |
| Octa | PCB-204 | * | * | n NotF | 1.07 | * | | 970 | 2.5 | 0.489 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n NotF | 1.10 | * | | 970 | 2.5 | 0.477 | * | 1.015-1.025 |
| Octa | PCB-200 | * | * | n NotF | 1.04 | * | | 970 | 2.5 | 0.503 | * | 1.034-1.044 |
| Octa | PCB-198 | * | * | n NotF | 0.84 | * | | 970 | 2.5 | 0.624 | * | 1.065-1.075 |
| Octa | PCB-199 | * | * | n NotF | 0.80 | * | | 970 | 2.5 | 0.655 | * | 1.067-1.077 |
| Octa | PCB-196/203 | * | * | n NotF | 0.84 | * | | 970 | 2.5 | 0.622 | * | 1.072-1.082 |
| Octa | PCB-195 | * | * | n NotF | 1.04 | * | | 851 | 2.5 | 0.433 | * | 0.979-0.989 |
| Octa | PCB-194 | 3.54e+04 | 0.98 | y 54:03 | 1.16 | 0.9785 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | * | * | n NotF | 1.33 | * | | 851 | 2.5 | 0.337 | * | 1.000-1.010 |
| Nona | PCB-208 | * | * | n NotF | 0.90 | * | | 873 | 2.5 | 0.309 | * | 0.995-1.005 |
| Nona | PCB-207 | * | * | n NotF | 0.89 | * | | 873 | 2.5 | 0.311 | * | 1.001-1.011 |
| Nona | PCB-206 | * | * | n NotF | 0.88 | * | | 873 | 2.5 | 0.411 | * | 0.995-1.005 |
| Deca | PCB-209 | * | * | n NotF | 1.04 | * | | 959 | 2.5 | 0.510 | * | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-FDBL-T171026132307 Filename: 180409E1 S:9 Acq:10-APR-18 02:14:46 ConCal: ST180409E1-1
Lab ID: 1701560-03 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.858 EndCAL: NA

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | 6.21e+04 | 2.69 | y | 15:58 | 1.06 | 2.25603 | |
| Total Di-PCB | * | * | n | NotFnd | 1.04 | * | |
| Total Tri-PCB | 1.01e+06 | 1.16 | y | 24:06 | 1.15 | 24.7271 | |
| Total Tri-PCB | 1.15e+06 | 0.91 | y | 28:23 | 1.05 | 23.9625 | Sum:48.6896 |
| Total Tetra-PCB | 1.41e+06 | 0.76 | y | 29:41 | 1.06 | 27.3173 | |
| Total Penta-PCB | 3.18e+05 | 1.66 | y | 35:44 | 1.18 | 6.57130 | |
| Total Penta-PCB | 4.75e+05 | 1.67 | y | 48:55 | 1.12 | 9.78997 | Sum:16.3613 |
| Total Hexa-PCB | 7.55e+04 | 1.10 | y | 41:25 | 0.91 | 1.98972 | |
| Total Hexa-PCB | 6.56e+04 | 1.24 | y | 43:09 | 1.00 | 1.13953 | Sum:3.12925 |
| Total Hepta-PCB | * | * | n | NotFnd | 1.35 | * | |
| Total Octa-PCB | * | * | n | NotFnd | 0.95 | * | |
| Total Octa-PCB | 3.54e+04 | 0.98 | y | 54:03 | 1.17 | 0.978485 | Sum:0.978485 |
| Total Nona-PCB | * | * | n | NotFnd | 0.89 | * | |
| Total Deca-PCB | * | * | n | NotFnd | 1.04 | * | |

Total PCB Conc:109.950237000

Integrations by Analyst: DB

Date: 4/11/18

Client ID: OWS-FDBL-T171026132307 Filename: 180409E1 S:9 Acq:10-APR-18 02:14:46 ConCal: ST180409E1-1
Lab ID: 1701560-03 GC Column ID. ZB-1 ICal: PCBVG8-2-8-18 wt/vol:0.8582 EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 5.98e+07 | 3.19 y | 1.13 | 15:57 | 0.617 | 0.616-0.622 | 735 | 31.5 |
| 13C-PCB-3 | 6.49e+07 | 3.18 y | 1.21 | 18:35 | 0.719 | 0.716-0.724 | 745 | 32.0 |
| 13C-PCB-4 | 4.78e+07 | 1.54 y | 0.59 | 19:56 | 0.772 | 0.769-0.777 | 1120 | 48.0 |
| 13C-PCB-9 | 8.30e+07 | 1.53 y | 0.94 | 21:44 | 0.841 | 0.837-0.845 | 1230 | 52.6 |
| 13C-PCB-11 | 1.02e+08 | 1.53 y | 0.95 | 25:07 | 0.972 | 0.968-0.978 | 1500 | 64.3 |
| 13C-PCB-19 | 5.95e+07 | 1.05 y | 0.62 | 24:05 | 0.932 | 0.928-0.938 | 1330 | 56.9 |
| 13C-PCB-28 | 1.04e+08 | 1.07 y | 1.05 | 28:59 | 1.003 | 0.999-1.009 | 1650 | 70.7 |
| 13C-PCB-32 | 1.02e+08 | 1.05 y | 0.91 | 27:02 | 1.046 | 1.041-1.051 | 1560 | 66.9 |
| 13C-PCB-37 | 1.03e+08 | 1.09 y | 1.02 | 32:52 | 1.138 | 1.132-1.144 | 1680 | 71.9 |
| 13C-PCB-47 | 1.10e+08 | 0.80 y | 0.83 | 31:55 | 0.870 | 0.867-0.875 | 1840 | 79.2 |
| 13C-PCB-52 | 9.95e+07 | 0.80 y | 0.76 | 31:24 | 0.856 | 0.853-0.861 | 1820 | 77.9 |
| 13C-PCB-54 | 1.01e+08 | 0.79 y | 0.93 | 27:51 | 0.760 | 0.756-0.764 | 1520 | 65.1 |
| 13C-PCB-70 | 1.34e+08 | 0.80 y | 1.00 | 35:26 | 0.966 | 0.961-0.971 | 1870 | 80.4 |
| 13C-PCB-77 | 1.46e+08 | 0.79 y | 0.96 | 39:32 | 1.078 | 1.073-1.083 | 2120 | 91.0 |
| 13C-PCB-80 | 1.38e+08 | 0.79 y | 1.00 | 35:51 | 0.978 | 0.973-0.983 | 1940 | 83.1 |
| 13C-PCB-81 | 1.52e+08 | 0.79 y | 1.01 | 38:56 | 1.062 | 1.057-1.067 | 2100 | 90.0 |
| 13C-PCB-95 | 8.04e+07 | 1.58 y | 0.80 | 35:43 | 0.912 | 0.908-0.918 | 1790 | 76.9 |
| 13C-PCB-97 | 8.08e+07 | 1.56 y | 0.70 | 38:43 | 0.989 | 0.984-0.994 | 2060 | 88.4 |
| 13C-PCB-101 | 8.88e+07 | 1.59 y | 0.80 | 37:24 | 0.955 | 0.951-0.961 | 1980 | 85.0 |
| 13C-PCB-104 | 1.01e+08 | 1.55 y | 1.01 | 32:33 | 0.831 | 0.828-0.836 | 1790 | 76.8 |
| 13C-PCB-105 | 9.83e+07 | 1.57 y | 1.14 | 42:58 | 0.929 | 0.924-0.934 | 1860 | 79.9 |
| 13C-PCB-114 | 1.03e+08 | 1.58 y | 1.18 | 42:06 | 0.910 | 0.905-0.915 | 1880 | 80.8 |
| 13C-PCB-118 | 1.19e+08 | 1.58 y | 1.00 | 41:27 | 1.059 | 1.054-1.064 | 2140 | 91.9 |
| 13C-PCB-123 | 1.15e+08 | 1.59 y | 0.95 | 41:16 | 1.054 | 1.049-1.059 | 2180 | 93.5 |
| 13C-PCB-126 | 9.35e+07 | 1.58 y | 1.14 | 45:12 | 0.977 | 0.972-0.982 | 1780 | 76.4 |
| 13C-PCB-127 | 1.09e+08 | 1.59 y | 1.24 | 43:18 | 0.936 | 0.931-0.941 | 1910 | 81.8 |
| 13C-PCB-138 | 1.11e+08 | 1.27 y | 1.17 | 44:42 | 0.966 | 0.962-0.972 | 2050 | 87.9 |
| 13C-PCB-141 | 1.06e+08 | 1.26 y | 1.11 | 43:52 | 0.948 | 0.944-0.954 | 2070 | 88.7 |
| 13C-PCB-153 | 1.25e+08 | 1.26 y | 1.34 | 43:08 | 0.933 | 0.928-0.938 | 2020 | 86.5 |
| 13C-PCB-155 | 1.01e+08 | 1.25 y | 0.83 | 36:57 | 0.944 | 0.939-0.949 | 2180 | 93.4 |
| 13C-PCB-156 | 1.37e+08 | 1.26 y | 1.38 | 47:57 | 1.037 | 1.032-1.042 | 2140 | 91.8 |
| 13C-PCB-157 | 1.36e+08 | 1.27 y | 1.37 | 48:13 | 1.043 | 1.037-1.047 | 2150 | 92.1 |
| 13C-PCB-159 | 1.36e+08 | 1.26 y | 1.39 | 46:00 | 0.995 | 0.989-0.999 | 2130 | 91.3 |
| 13C-PCB-167 | 1.37e+08 | 1.26 y | 1.40 | 46:40 | 1.009 | 1.004-1.014 | 2120 | 90.9 |
| 13C-PCB-169 | 1.34e+08 | 1.24 y | 1.39 | 50:26 | 1.090 | 1.085-1.095 | 2080 | 89.3 |
| 13C-PCB-170 | 6.60e+07 | 0.46 y | 0.86 | 50:50 | 1.103 | 1.097-1.109 | 2190 | 94.1 |
| 13C-PCB-180 | 7.55e+07 | 0.46 y | 0.98 | 49:15 | 1.069 | 1.064-1.074 | 2200 | 94.5 |
| 13C-PCB-188 | 9.58e+07 | 0.45 y | 1.40 | 42:46 | 0.928 | 0.923-0.933 | 1950 | 83.8 |
| 13C-PCB-189 | 9.04e+07 | 0.45 y | 1.15 | 52:28 | 1.139 | 1.132-1.144 | 2240 | 96.2 |
| 13C-PCB-194 | 7.30e+07 | 0.91 y | 0.77 | 54:02 | 0.995 | 0.990-1.000 | 2090 | 89.5 |
| 13C-PCB-202 | 1.03e+08 | 0.91 y | 1.28 | 48:10 | 1.045 | 1.040-1.050 | 2290 | 98.2 |
| 13C-PCB-206 | 9.16e+07 | 0.76 y | 0.81 | 55:36 | 1.024 | 1.019-1.029 | 2490 | 107 |
| 13C-PCB-208 | 1.14e+08 | 0.78 y | 1.09 | 53:17 | 0.981 | 0.977-0.987 | 2310 | 98.9 |
| 13C-PCB-209 | 9.61e+07 | 1.20 y | 0.74 | 56:55 | 1.048 | 1.043-1.053 | 2870 | 123 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.71e+08 | 0.79 y | 1.03 | 37:44 | 1.029 | 1.024-1.034 | 2310 | 99.1 |
| 13C-PCB-178 | 7.62e+07 | 0.47 y | 0.93 | 45:33 | 0.985 | 0.980-0.990 | 2340 | 101 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.71e+08 | 0.79 y | 1.03 | 37:44 | 0.969 | 0.963-0.973 | 2570 | 110 |
| 13C-PCB-178 | 7.62e+07 | 0.47 y | 0.95 | 45:33 | 0.925 | 0.920-0.930 | 2480 | 106 |

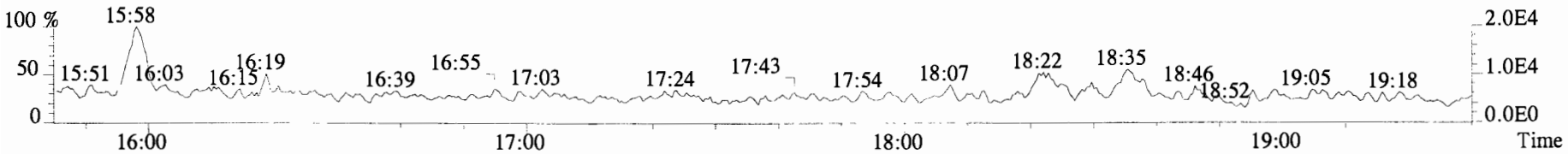
RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 1.67e+08 | 1.50 y | 1.00 | 25:50 | 2330 |
| 13C-PCB-31 | 1.40e+08 | 1.08 y | 1.00 | 28:53 | 2330 |
| 13C-PCB-60 | 1.67e+08 | 0.80 y | 1.00 | 36:40 | 2330 |
| 13C-PCB-111 | 1.30e+08 | 1.59 y | 1.00 | 39:09 | 2330 |
| 13C-PCB-128 | 1.08e+08 | 1.28 y | 1.00 | 46:15 | 2330 |
| 13C-PCB-182 | 8.18e+07 | 0.46 y | 1.00 | 46:05 | 2330 |
| 13C-PCB-205 | 1.06e+08 | 0.91 y | 1.00 | 54:18 | 2330 |

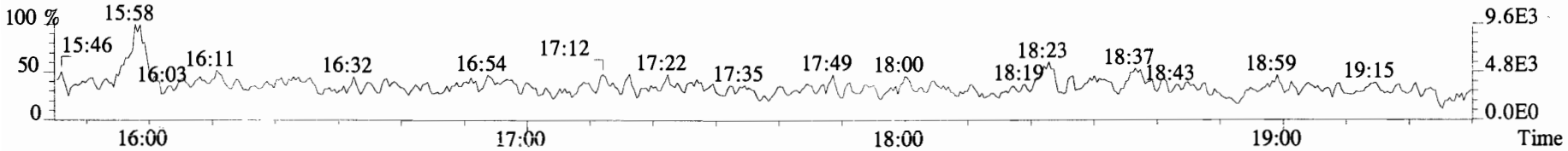
Analyst: DB

Date: 4/11/18

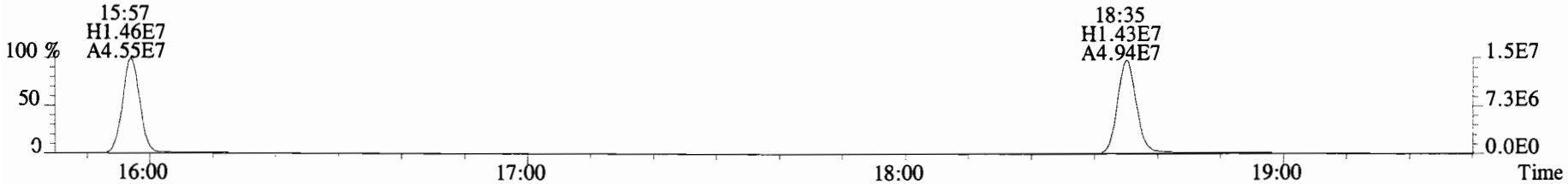
File:180409E1 #1-867 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
188.0393 S:9 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7800.0,0.00%,F,F)



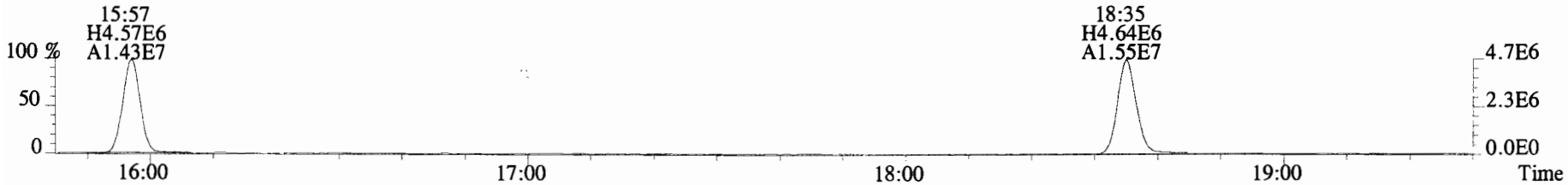

190.0363 S:9 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4408.0,0.00%,F,F)



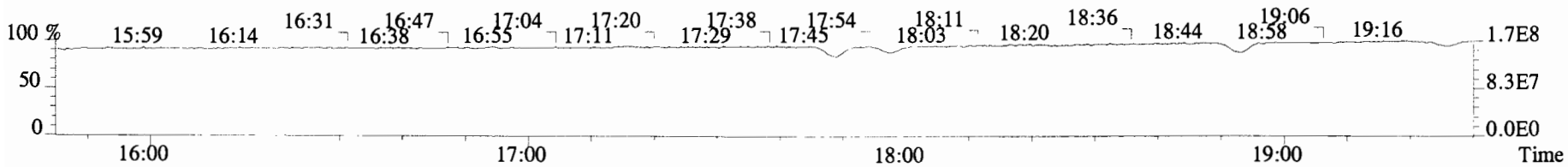

200.0795 S:9 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7064.0,0.00%,F,F)



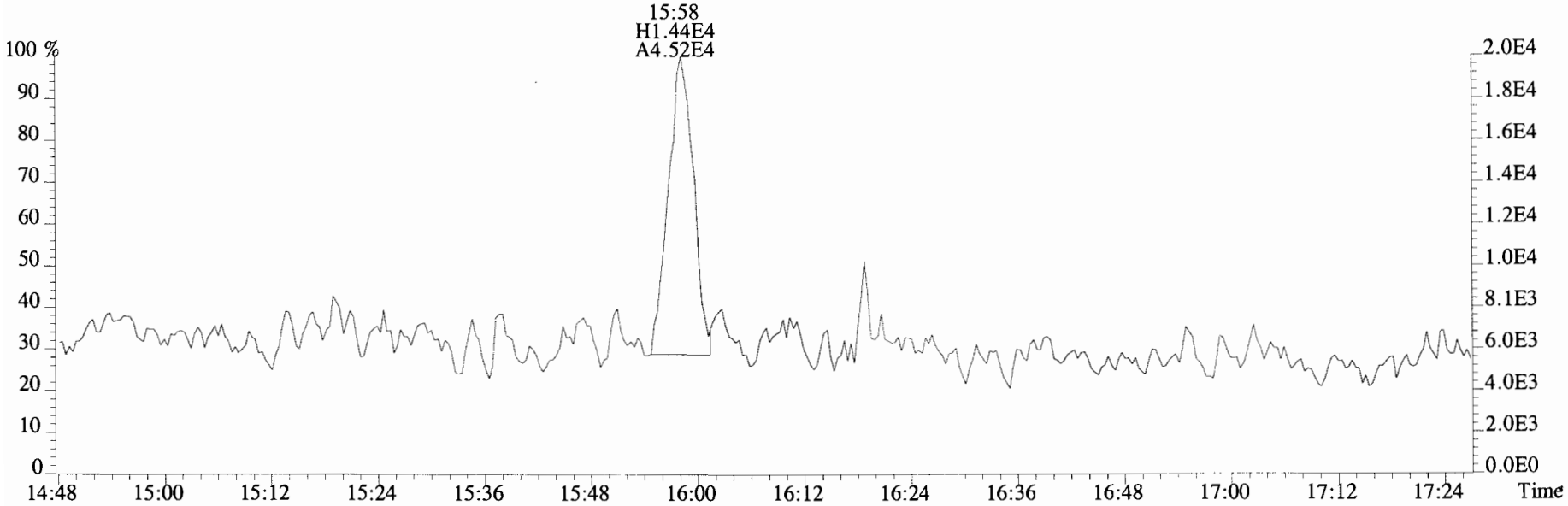

202.0766 S:9 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30772.0,0.00%,F,F)



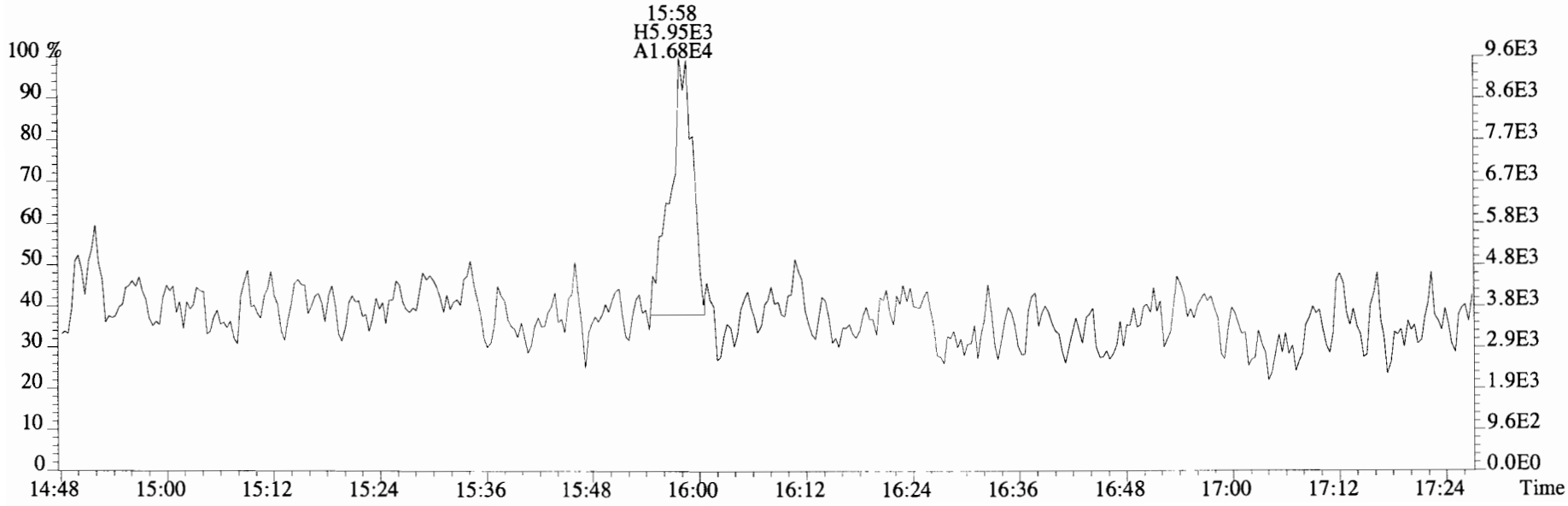

180.9880 S:9



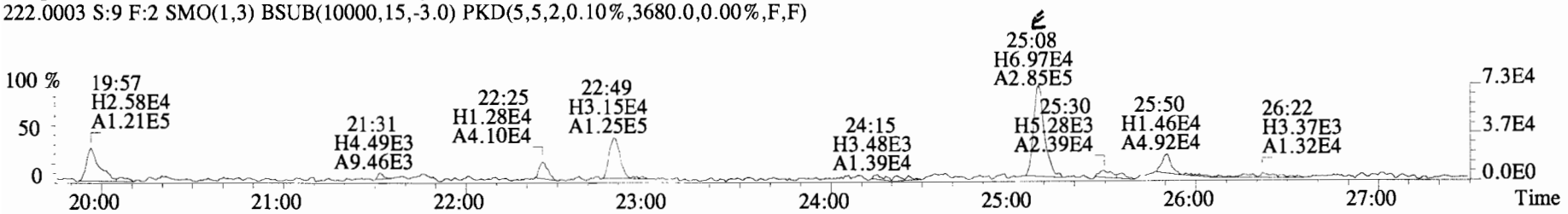
File:180409E1 #1-867 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
188.0393 S:9 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7800.0,0.00%,F,F)



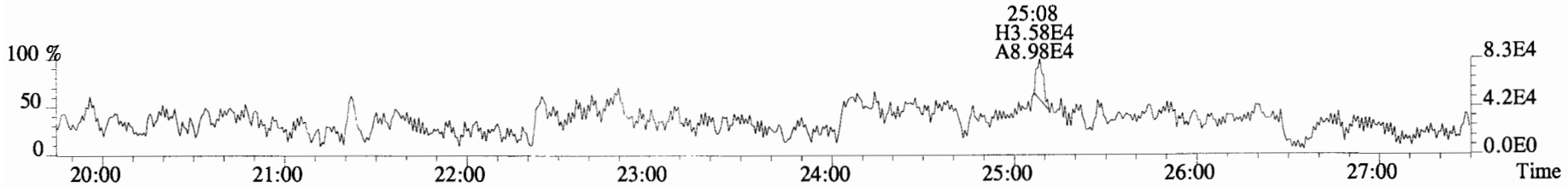

190.0363 S:9 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4408.0,0.00%,F,F)



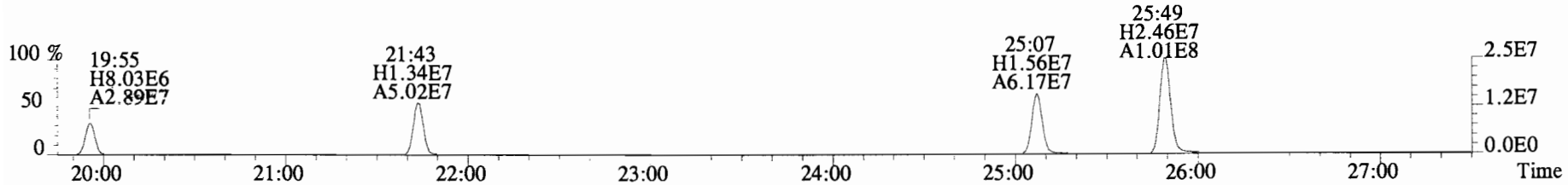
File:180409E1 #1-757 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
222.0003 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3680.0,0.00%,F,F)



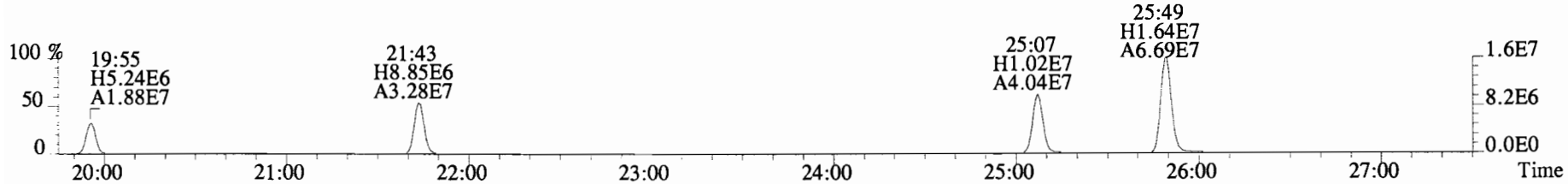

223.9974 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37848.0,0.00%,F,F)



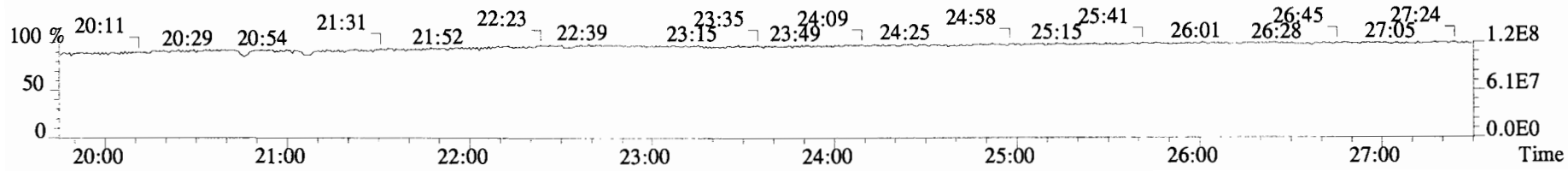

234.0406 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5756.0,0.00%,F,F)



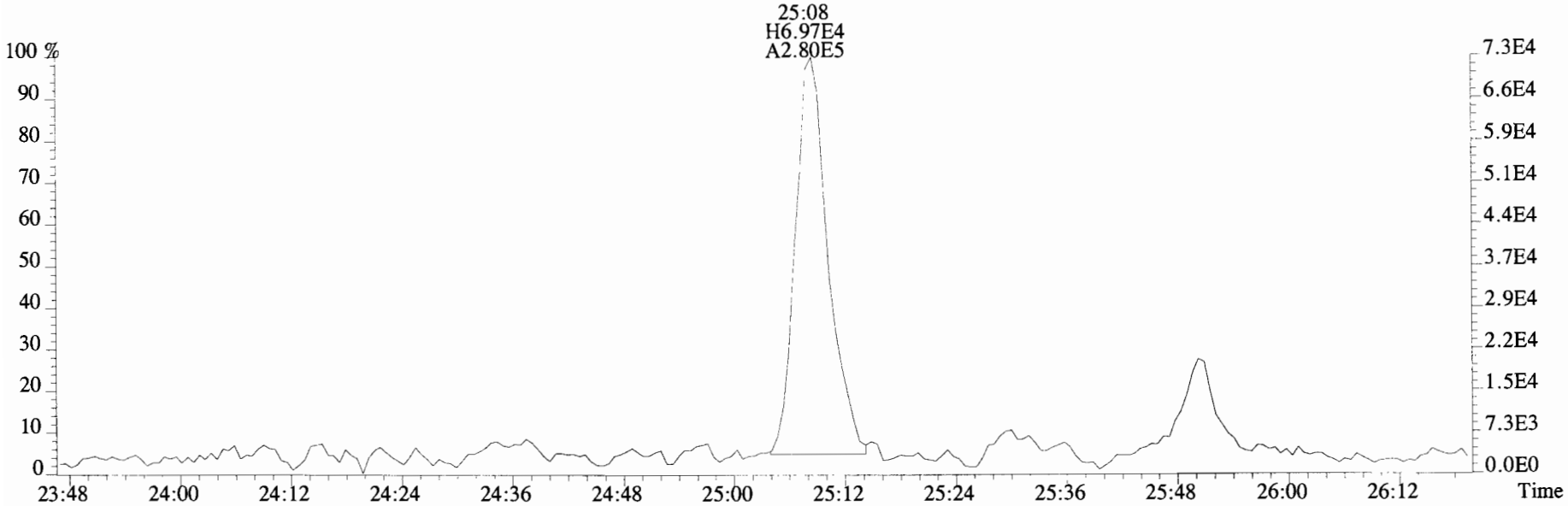

236.0376 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4364.0,0.00%,F,F)



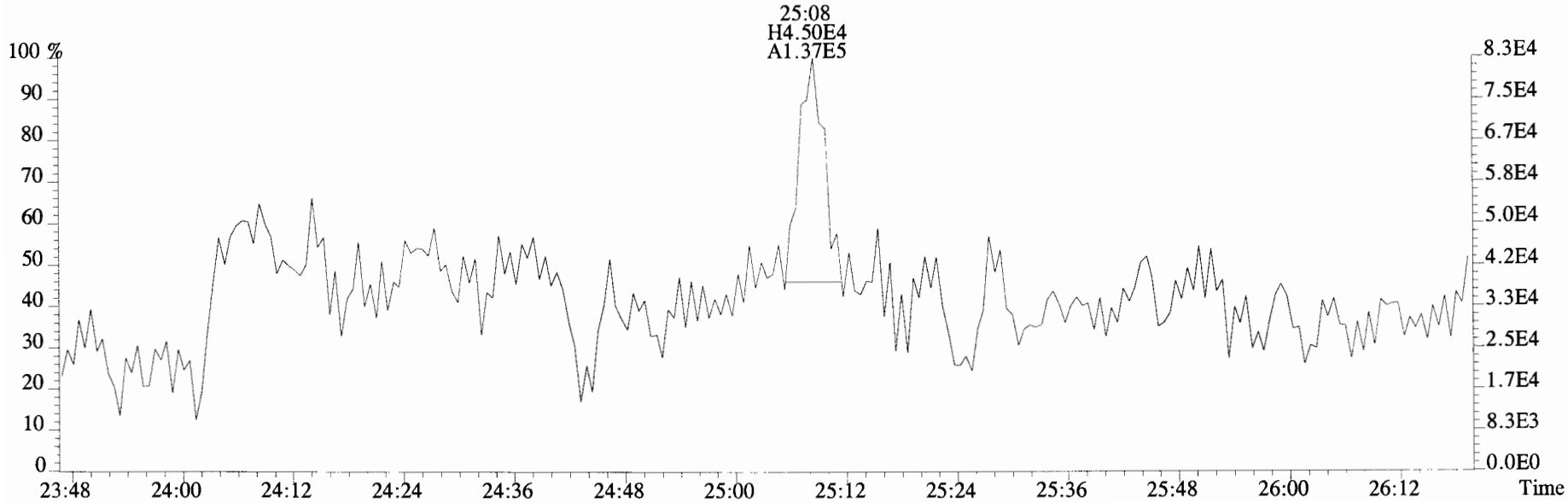

230.9856 S:9 F:2



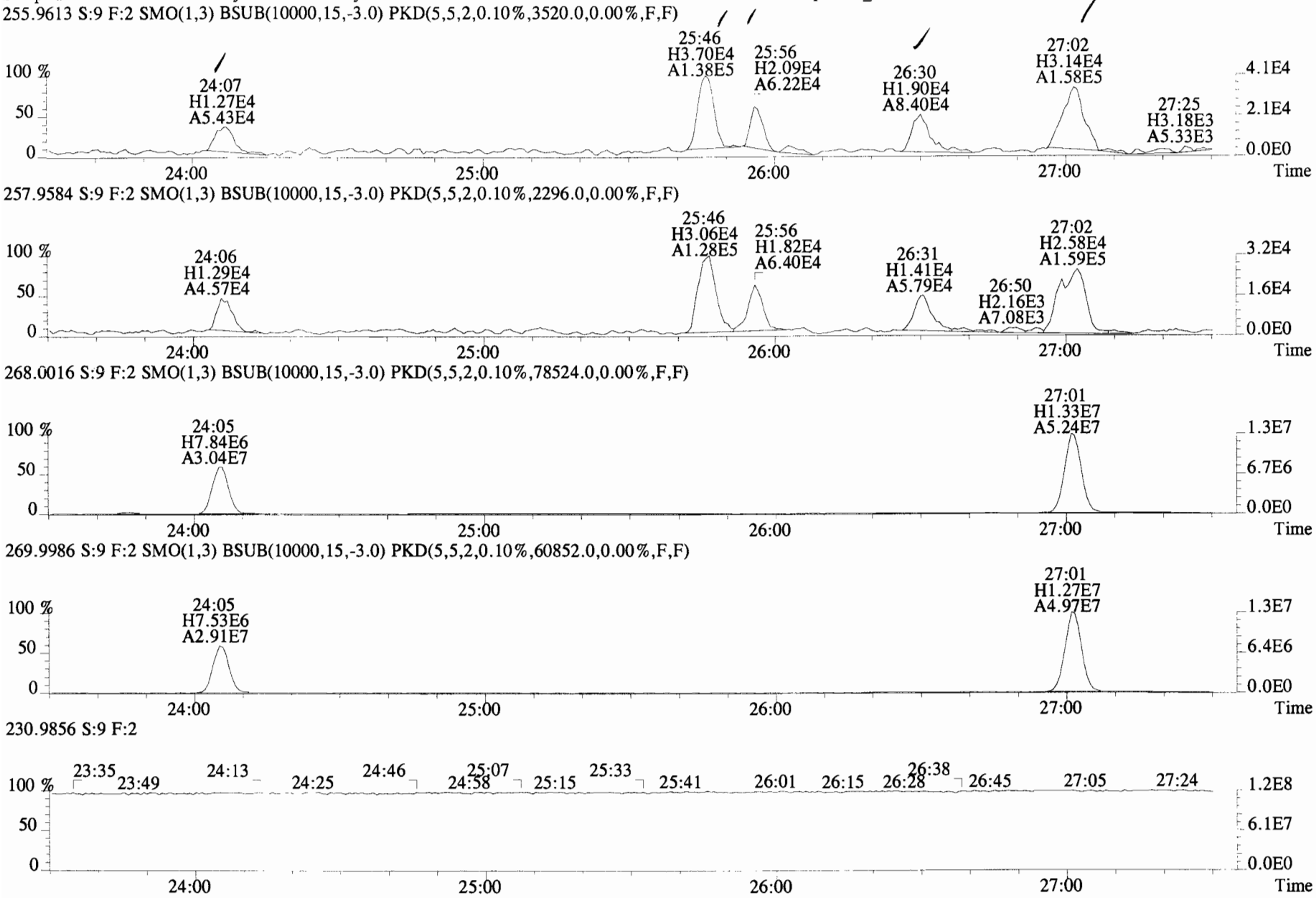
File:180409E1 #1-757 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
222.0003 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3680.0,0.00%,F,F)



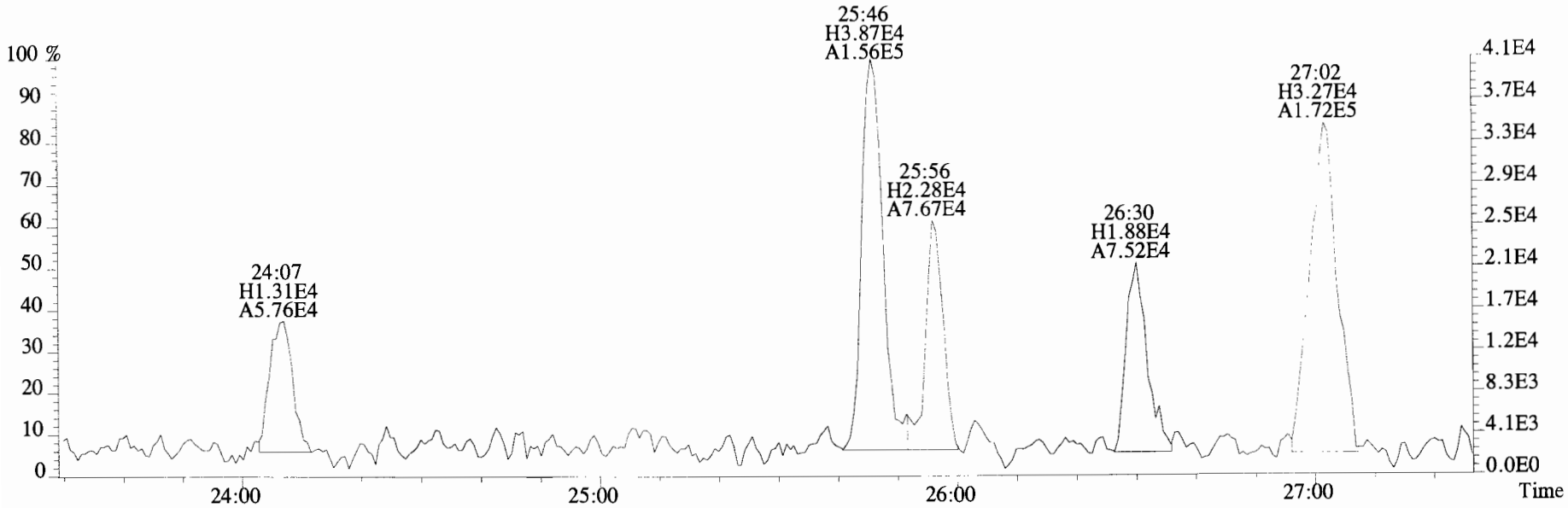

223.9974 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37848.0,0.00%,F,F)



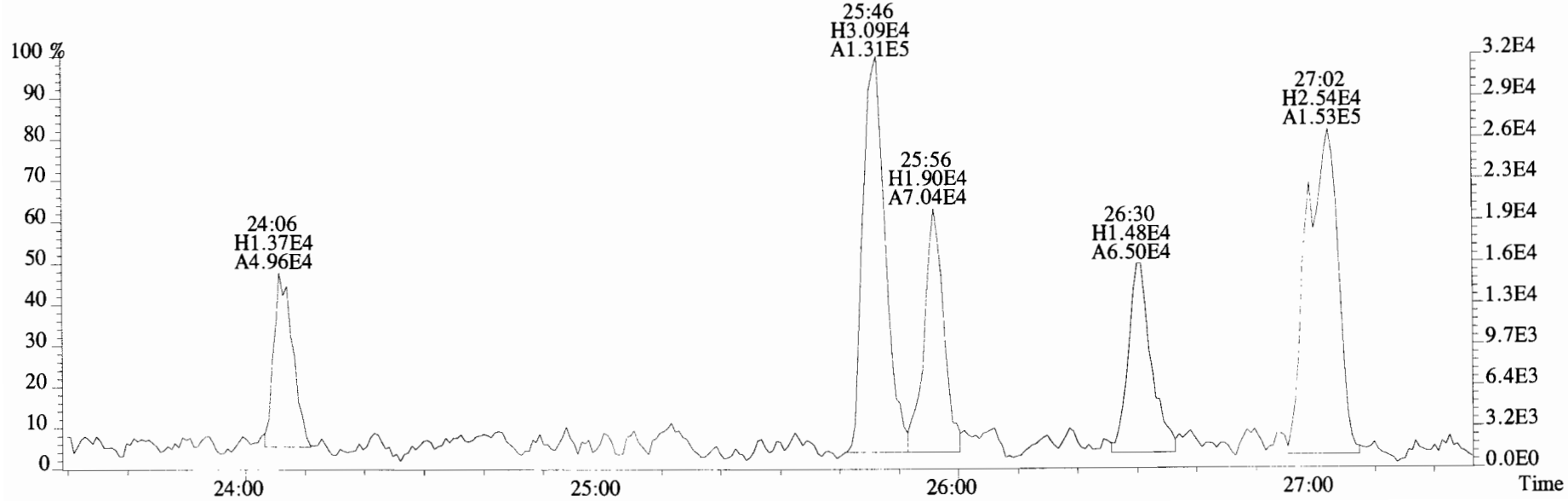
File:180409E1 #1-757 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1



File:180409E1 #1-757 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
255.9613 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3520.0,0.00%,F,F)

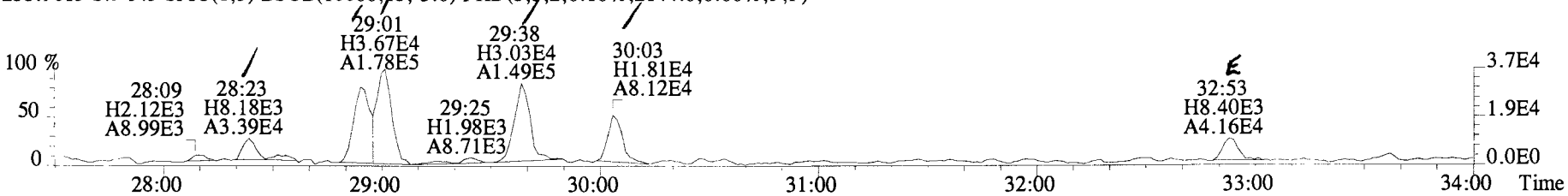



257.9584 S:9 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2296.0,0.00%,F,F)

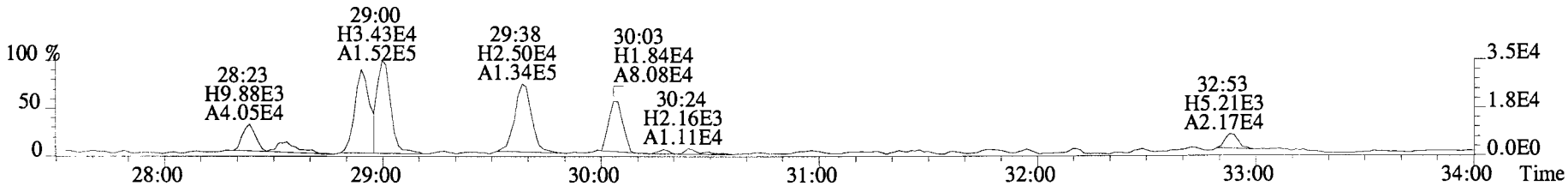


File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1

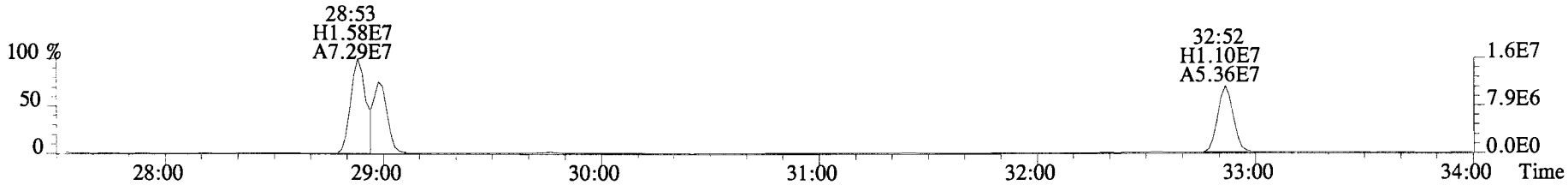
255.9613 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



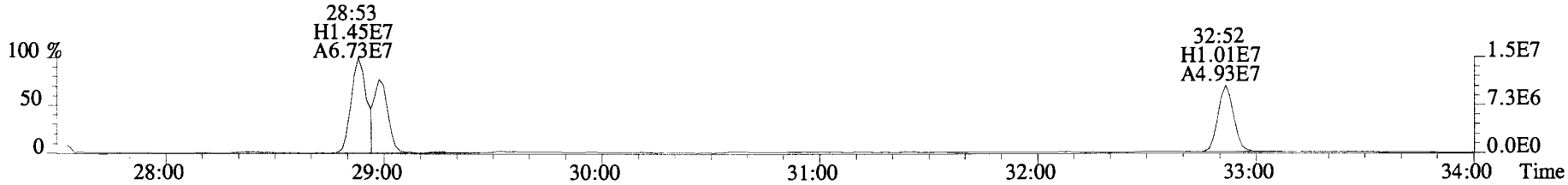

257.9584 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



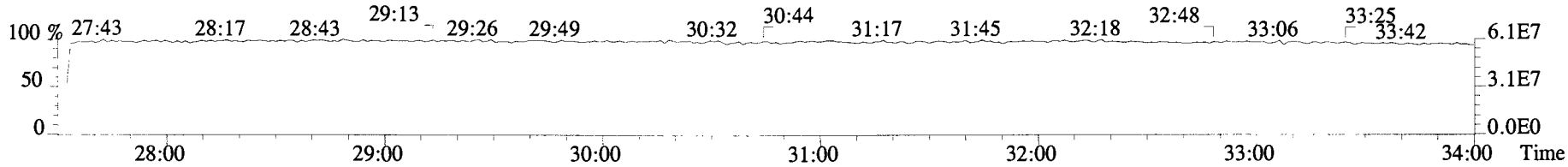

268.0016 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,100956.0,0.00%,F,F)



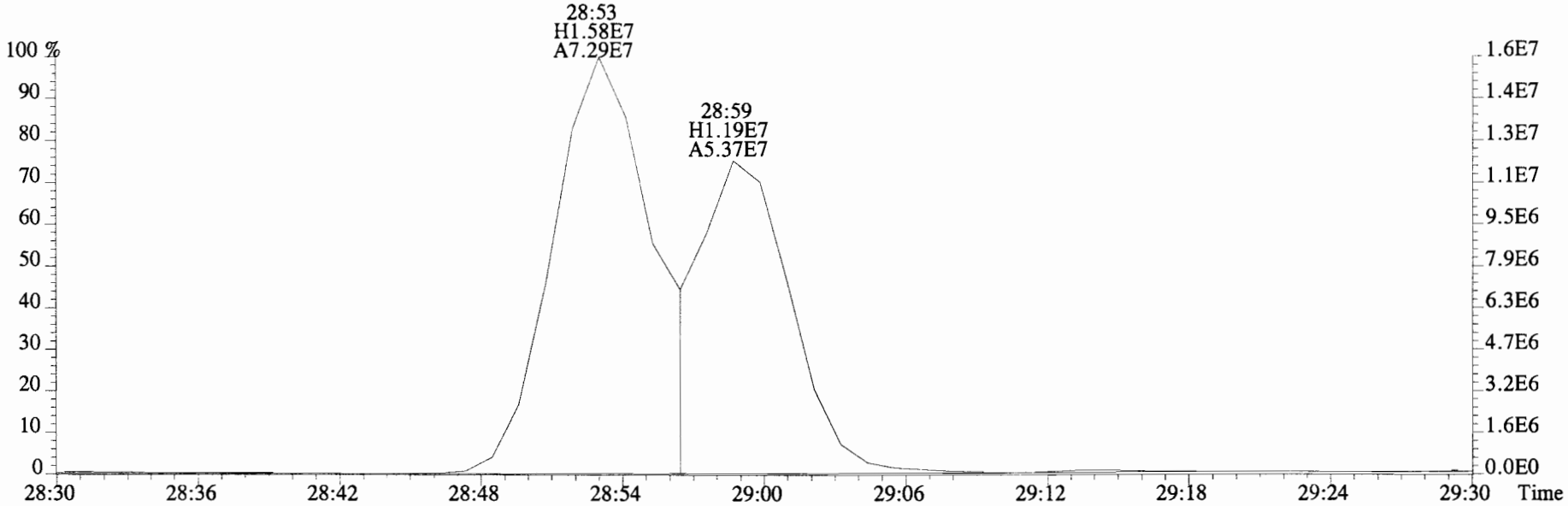

269.9986 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,221412.0,0.00%,F,F)



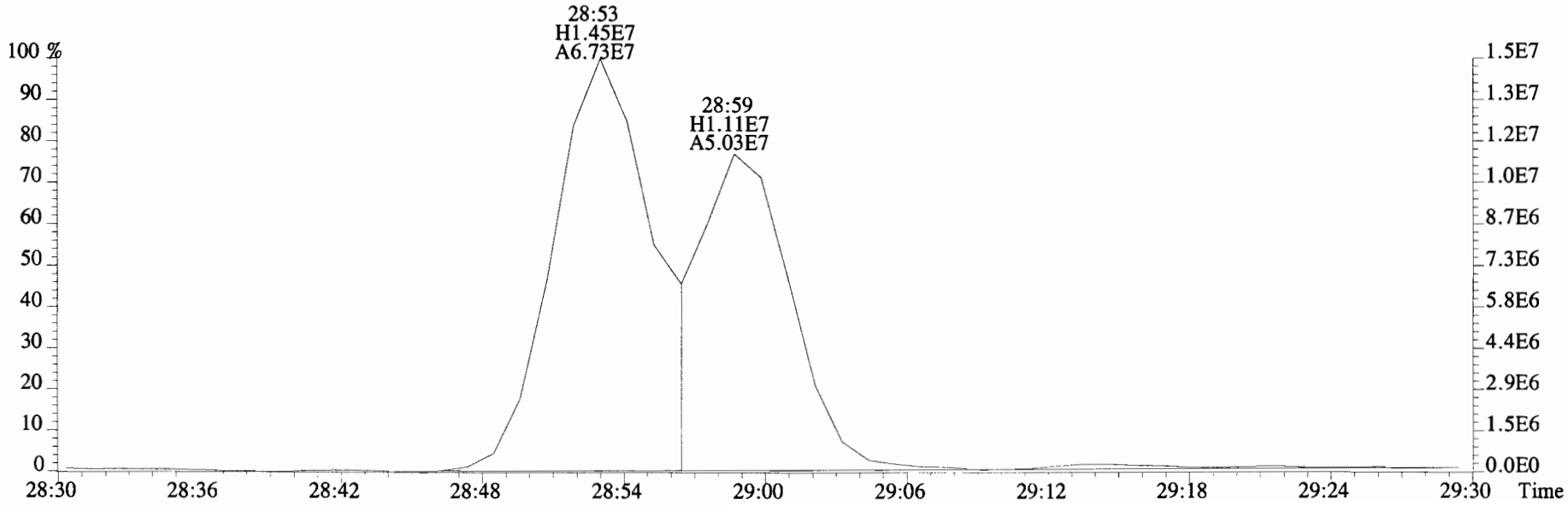

330.9792 S:9 F:3



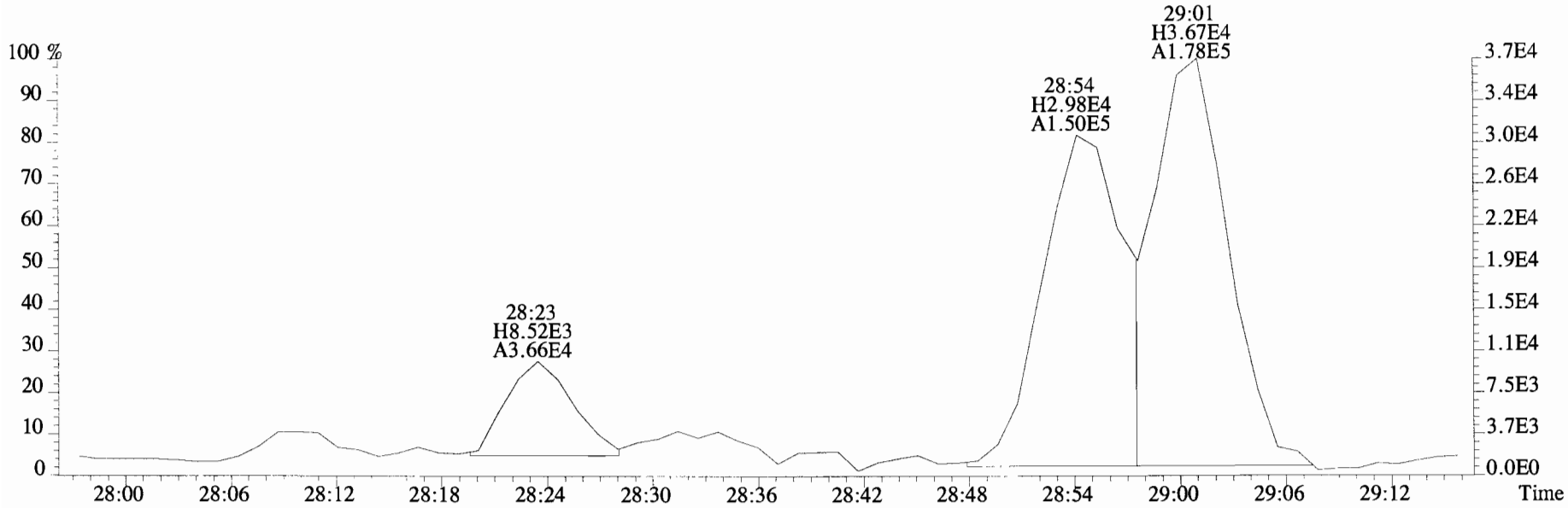
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
268.0016 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,100956.0,0.00%,F,F)



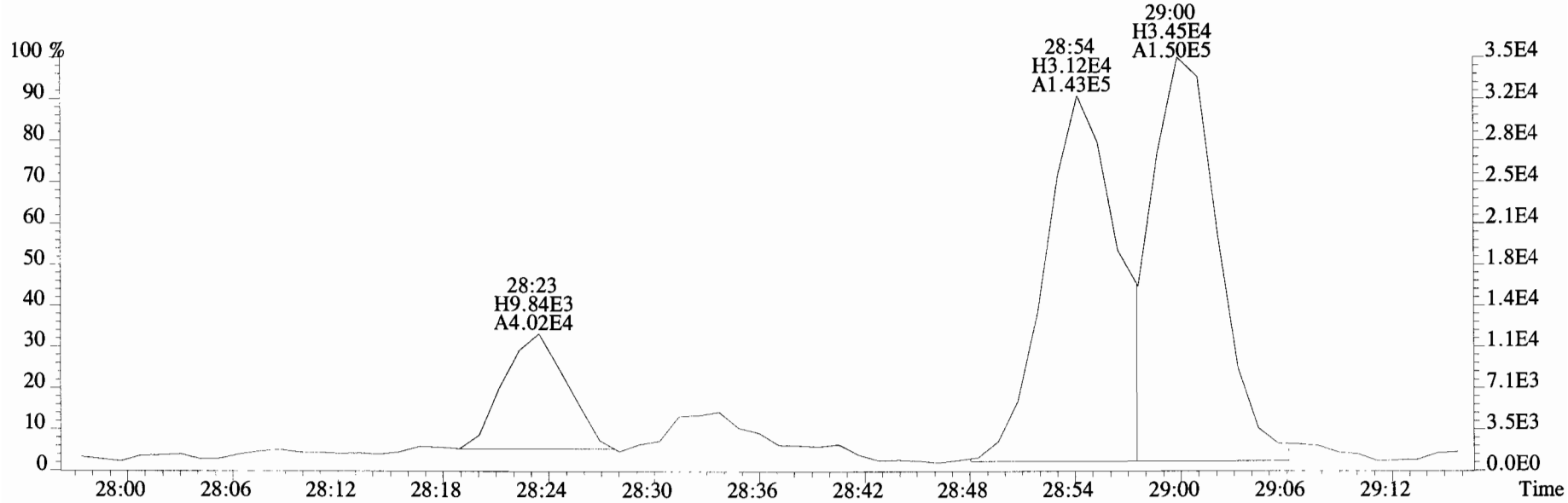

269.9986 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,221412.0,0.00%,F,F)



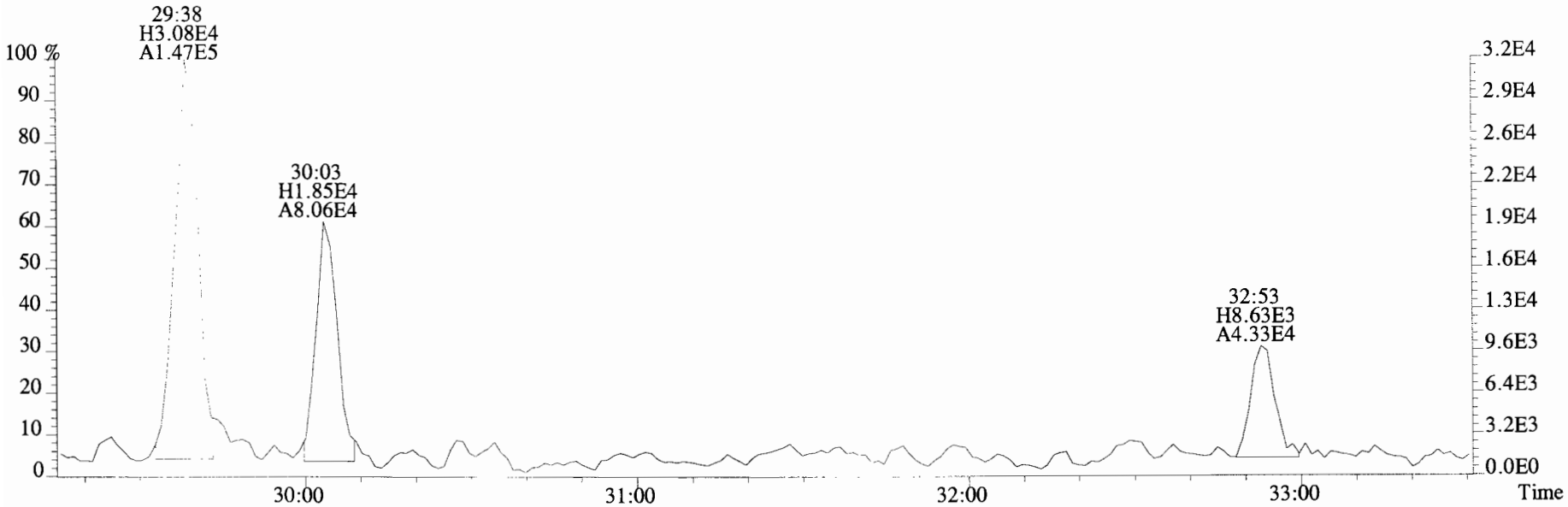
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
255.9613 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



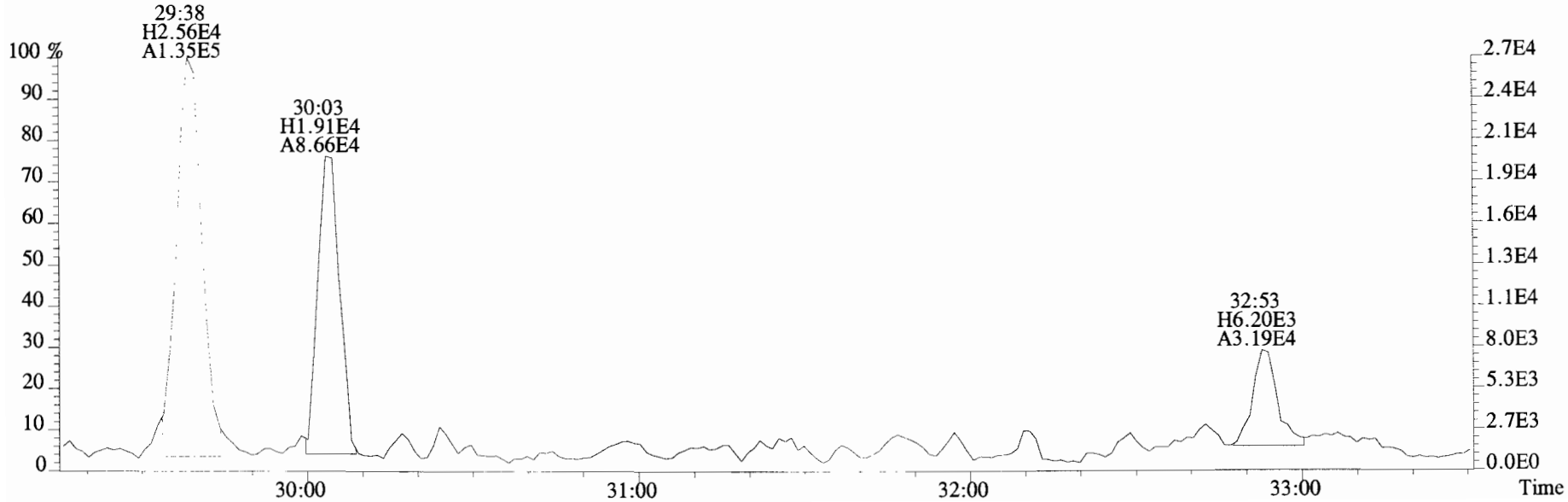

257.9584 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



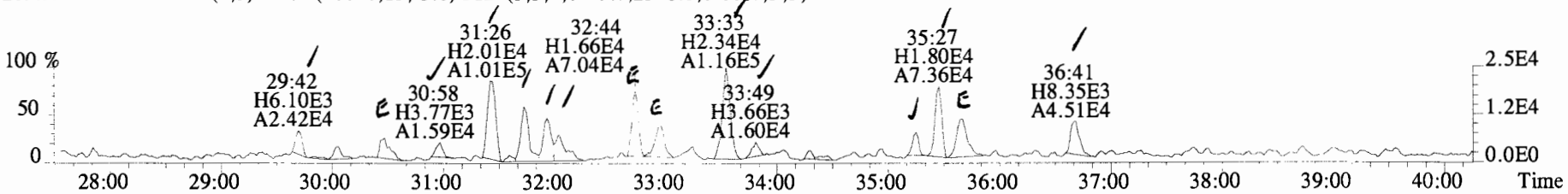
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
255.9613 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



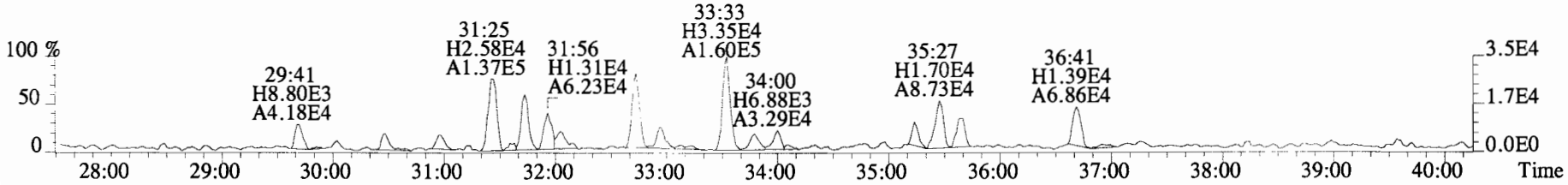

257.9584 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



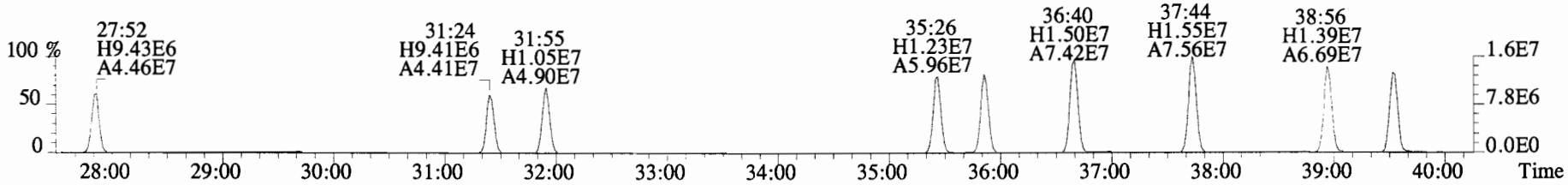
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



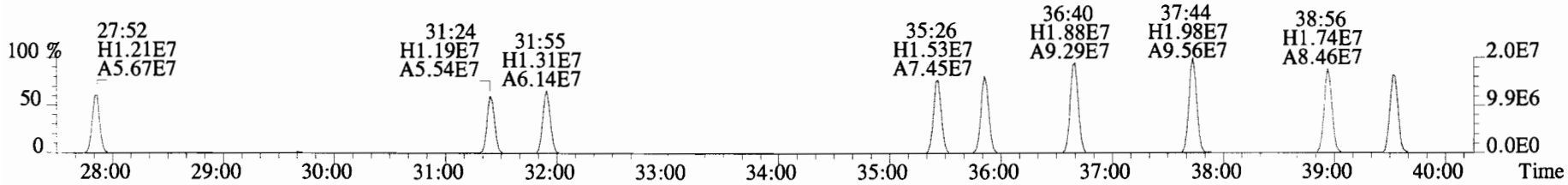

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



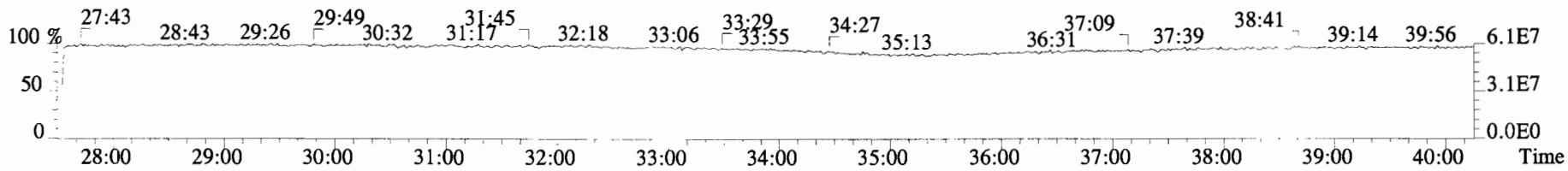

301.9626 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31364.0,0.00%,F,F)



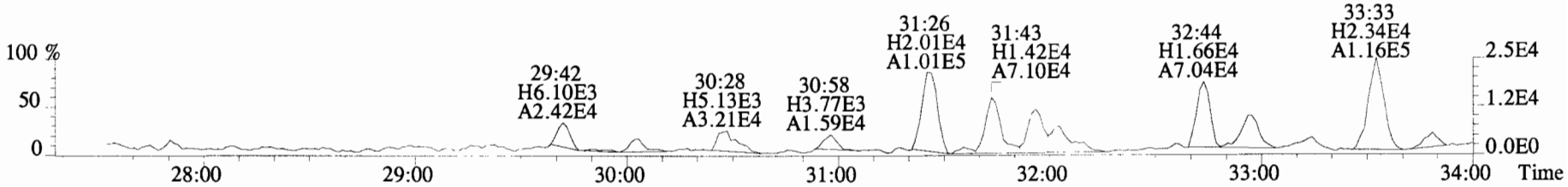

303.9597 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16140.0,0.00%,F,F)



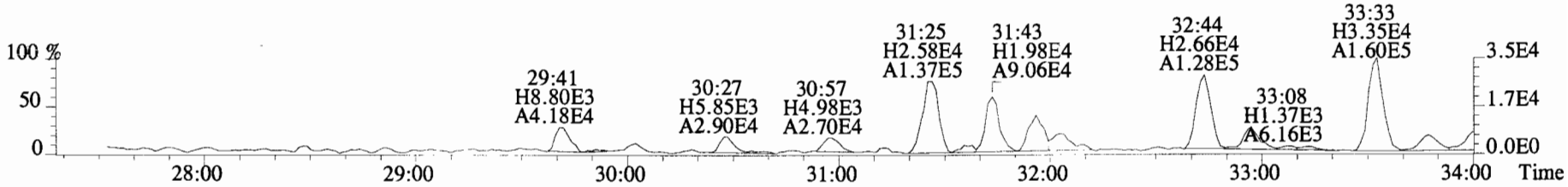

330.9792 S:9 F:3



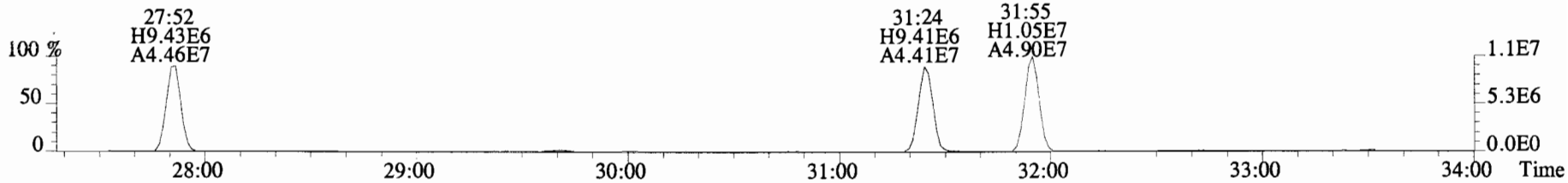
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



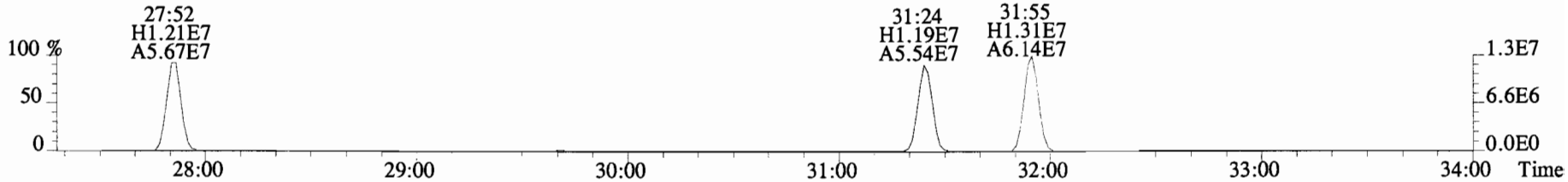

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



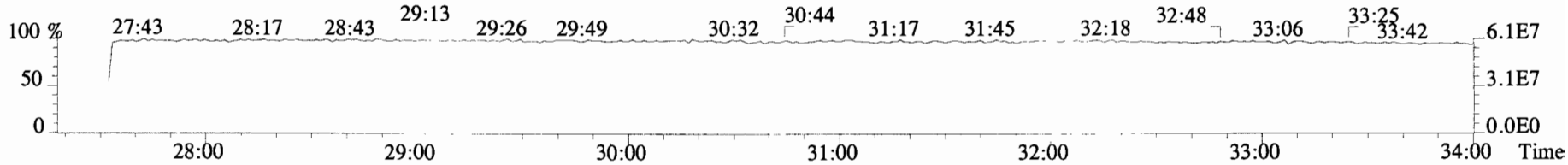

301.9626 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31364.0,0.00%,F,F)



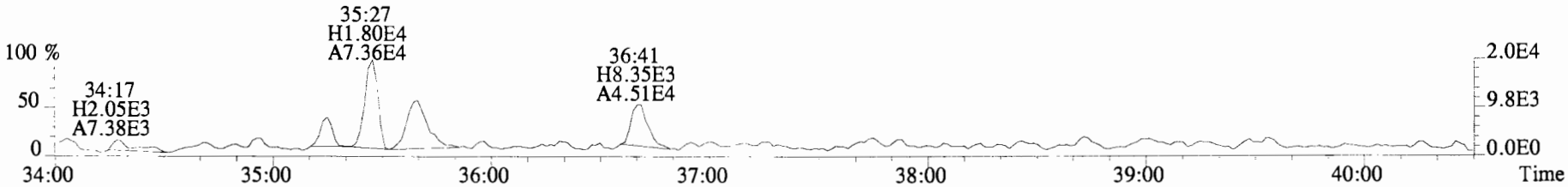

303.9597 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16140.0,0.00%,F,F)



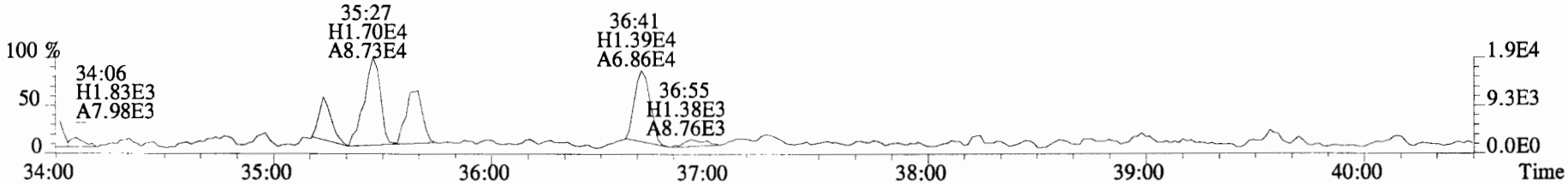

330.9792 S:9 F:3



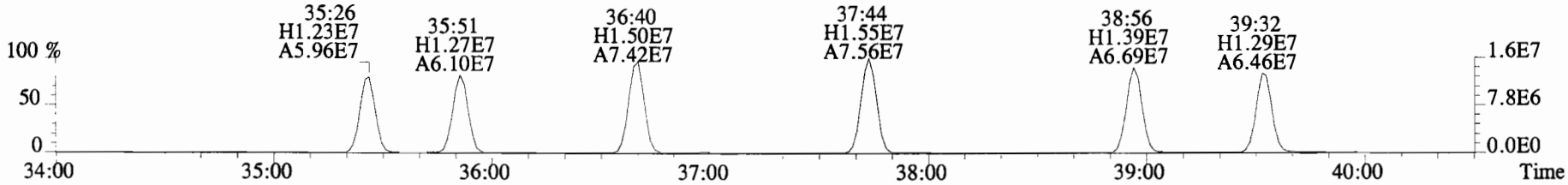
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



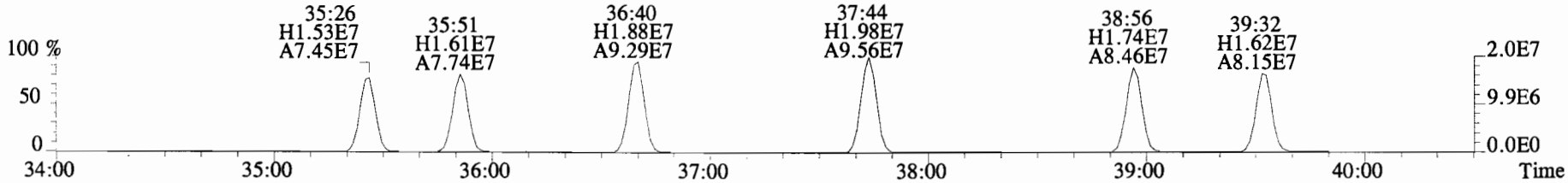

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



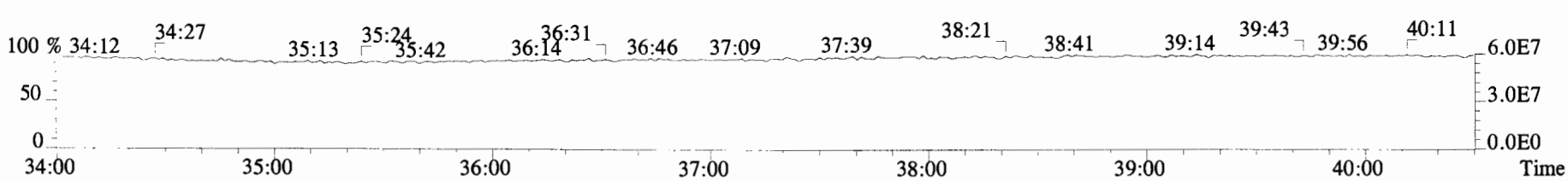

301.9626 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31364.0,0.00%,F,F)



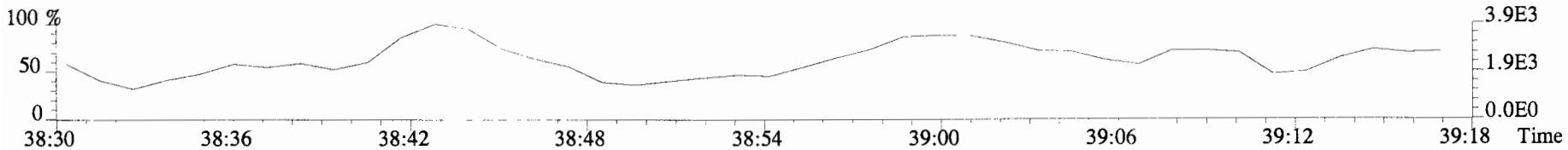

303.9597 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16140.0,0.00%,F,F)



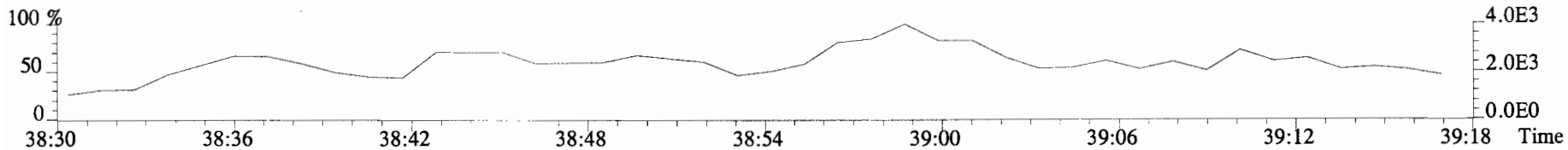

330.9792 S:9 F:3



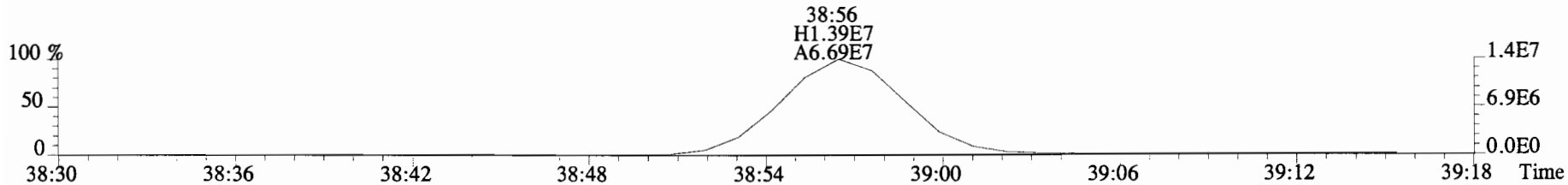
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



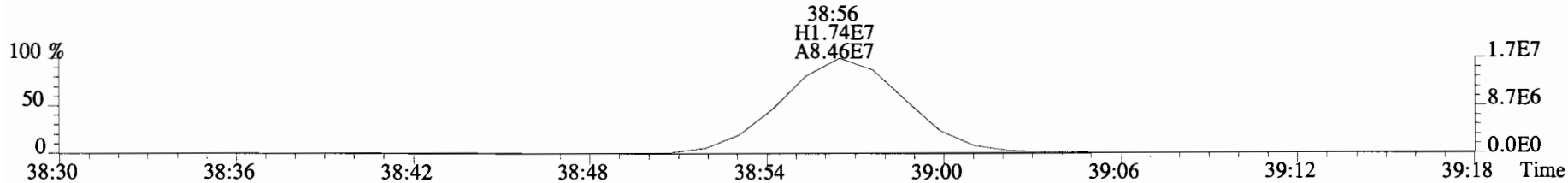

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



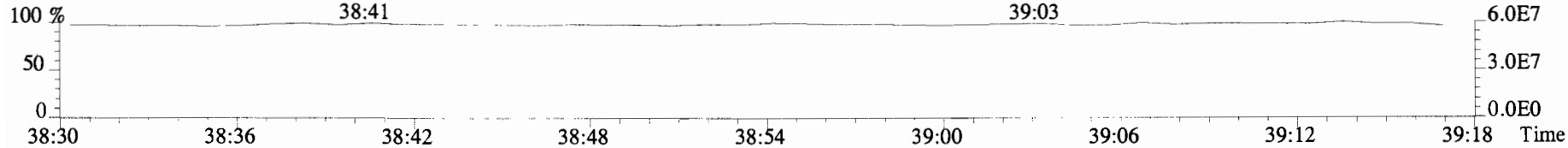

301.9626 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31364.0,0.00%,F,F)



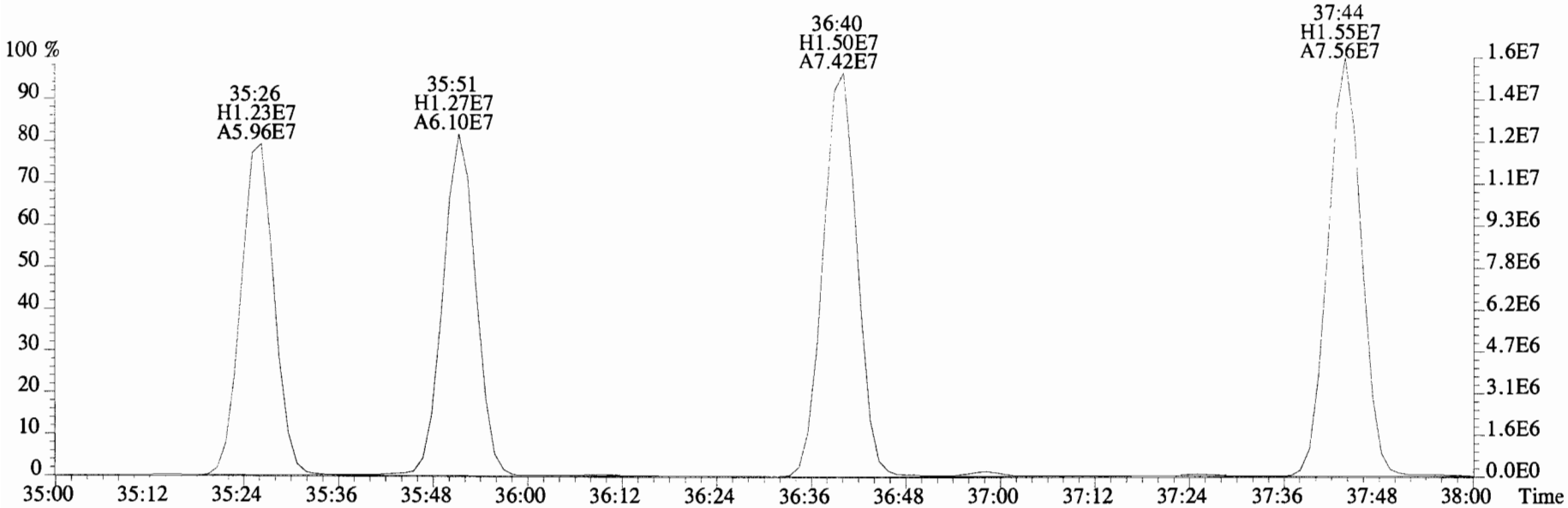

303.9597 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16140.0,0.00%,F,F)



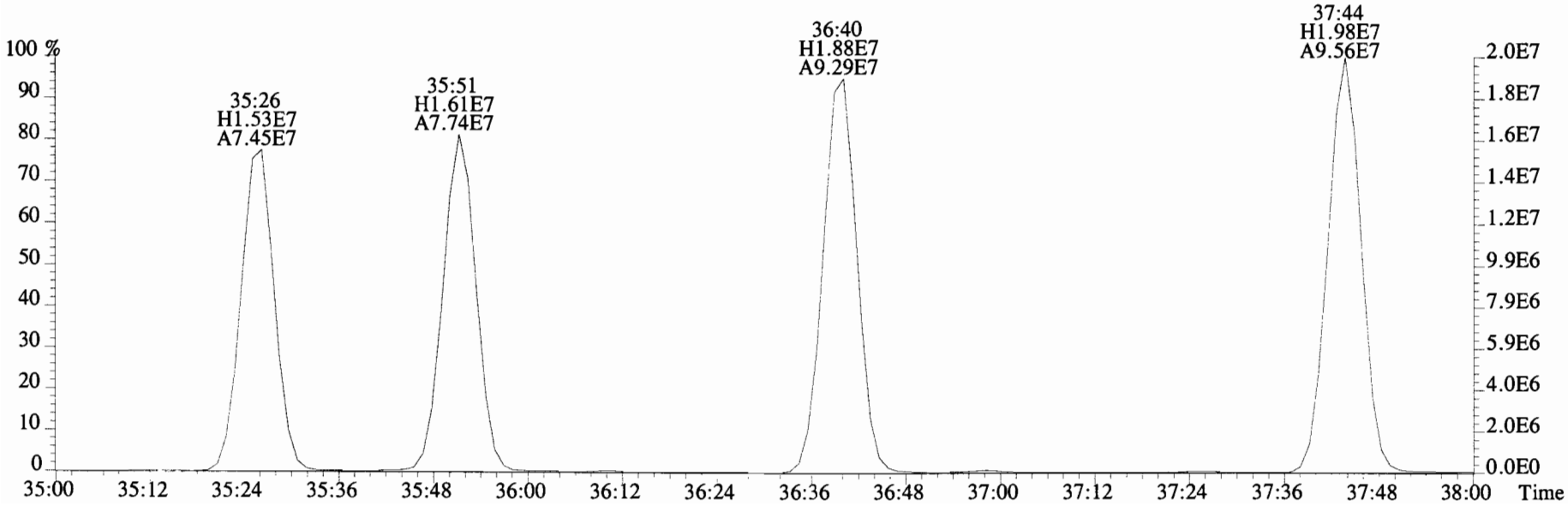

330.9792 S:9 F:3



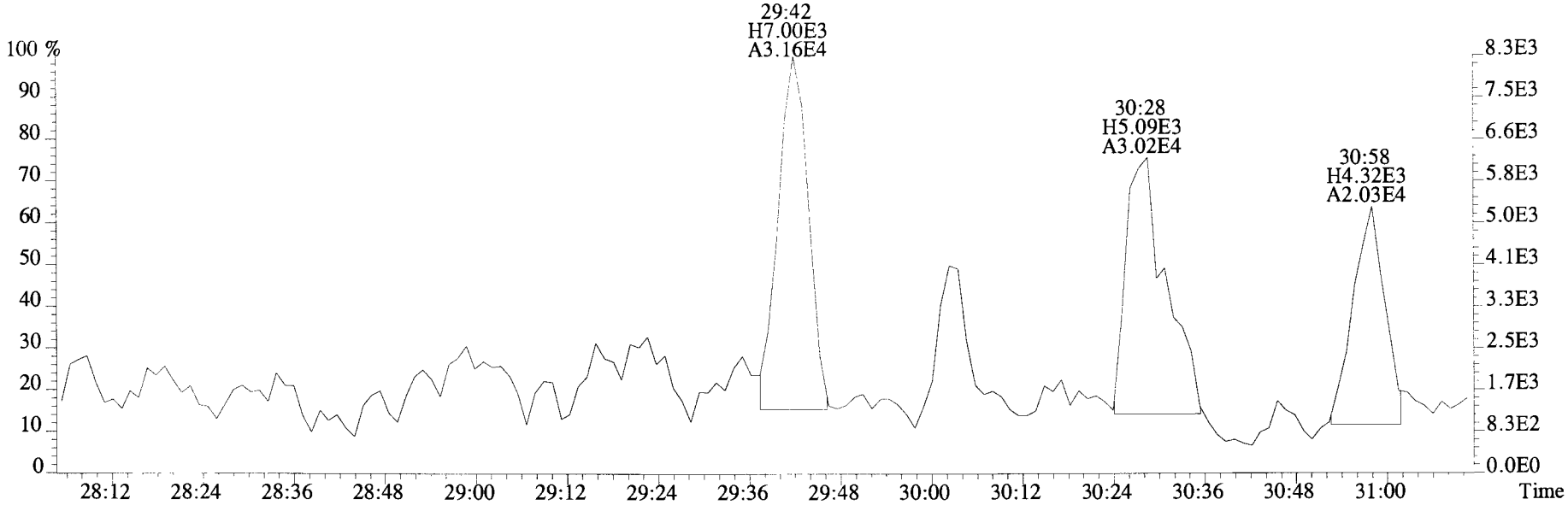
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
301.9626 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31364.0,0.00%,F,F)



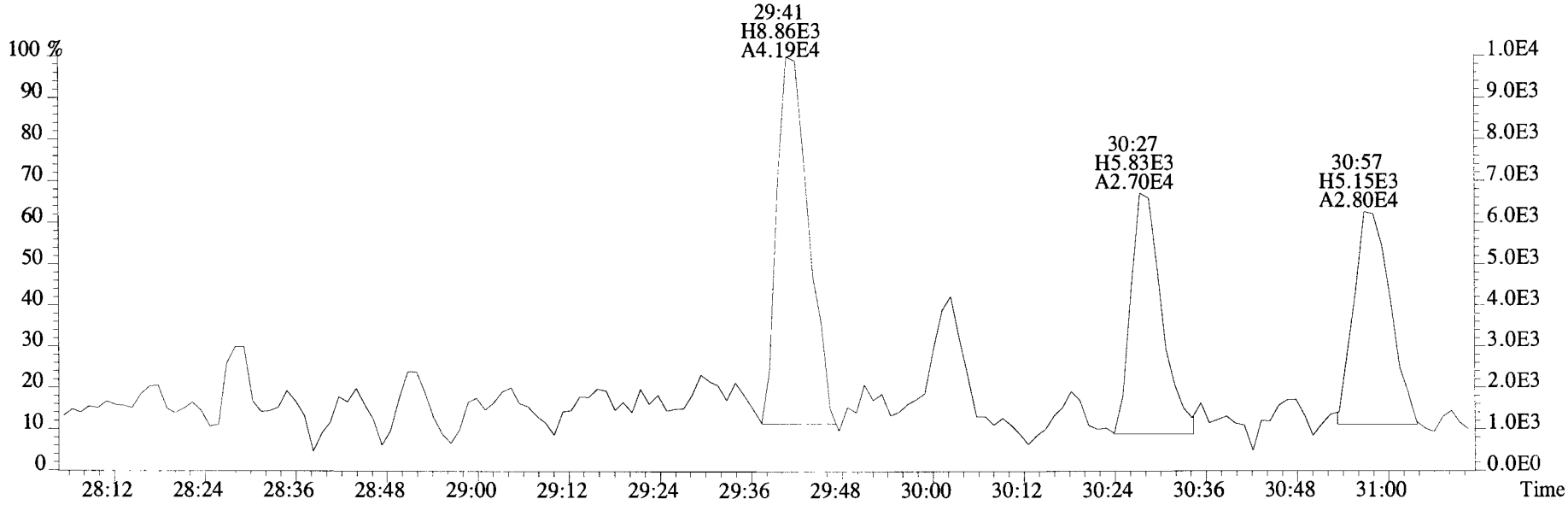

303.9597 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16140.0,0.00%,F,F)



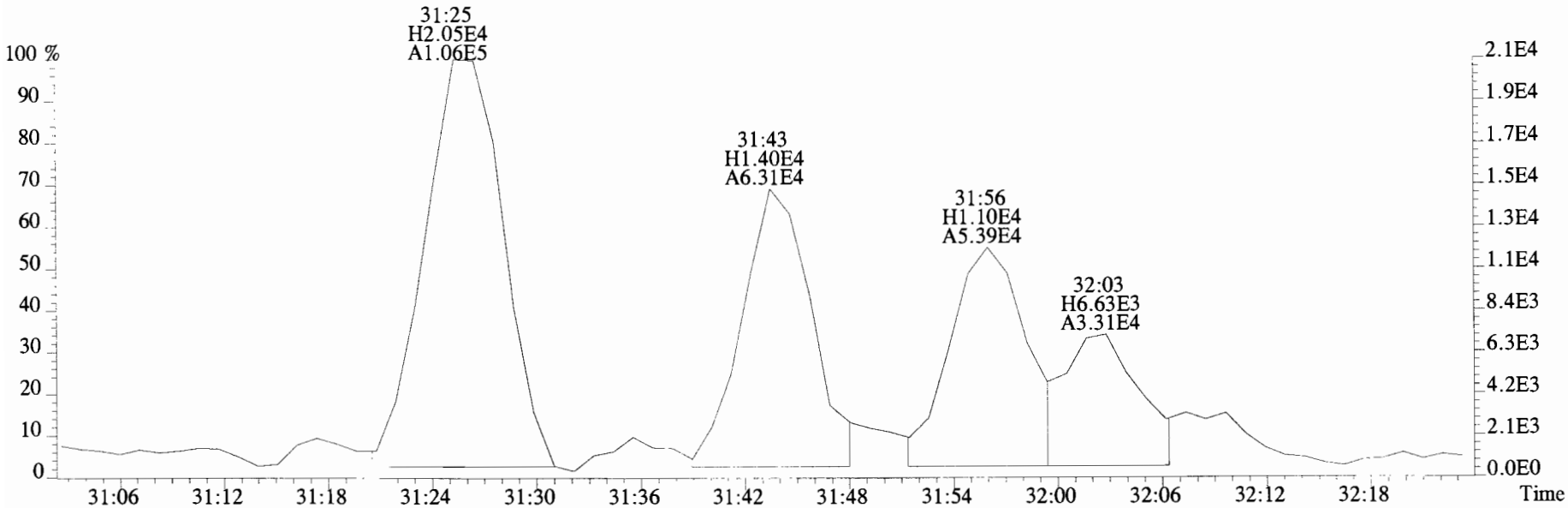
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



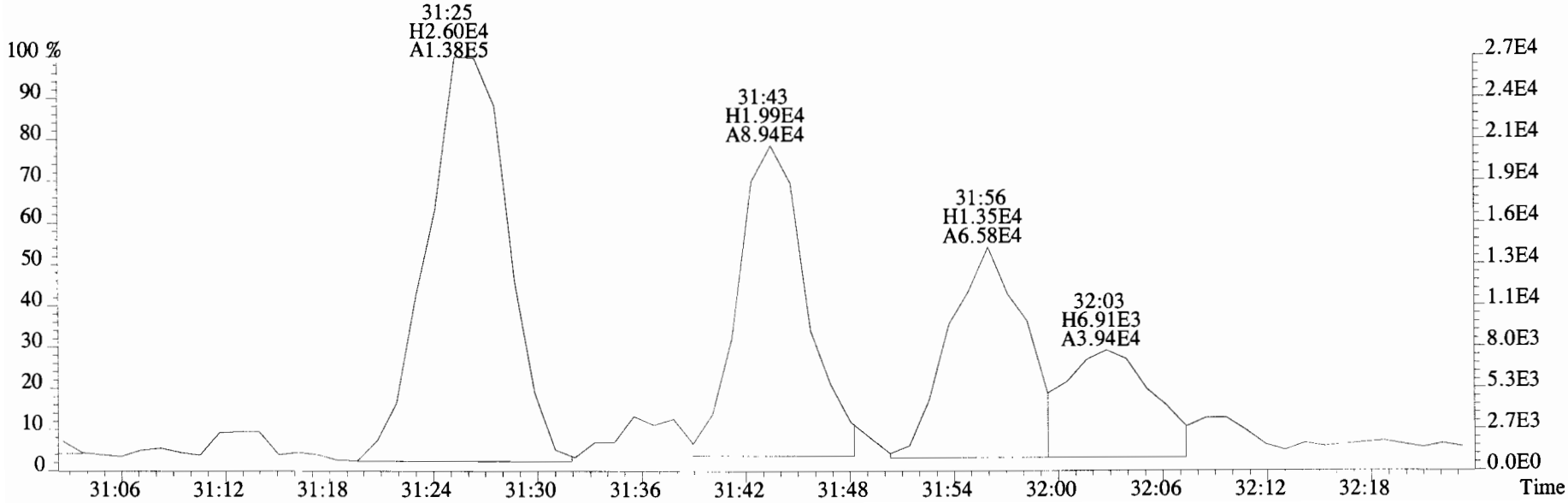

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



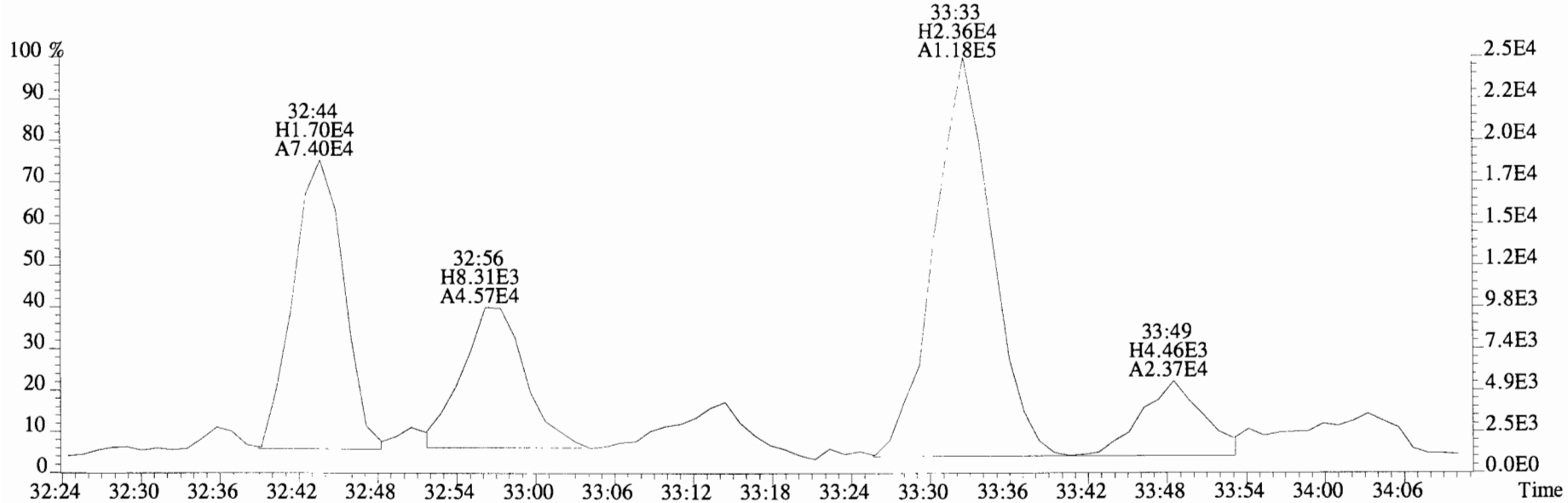
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



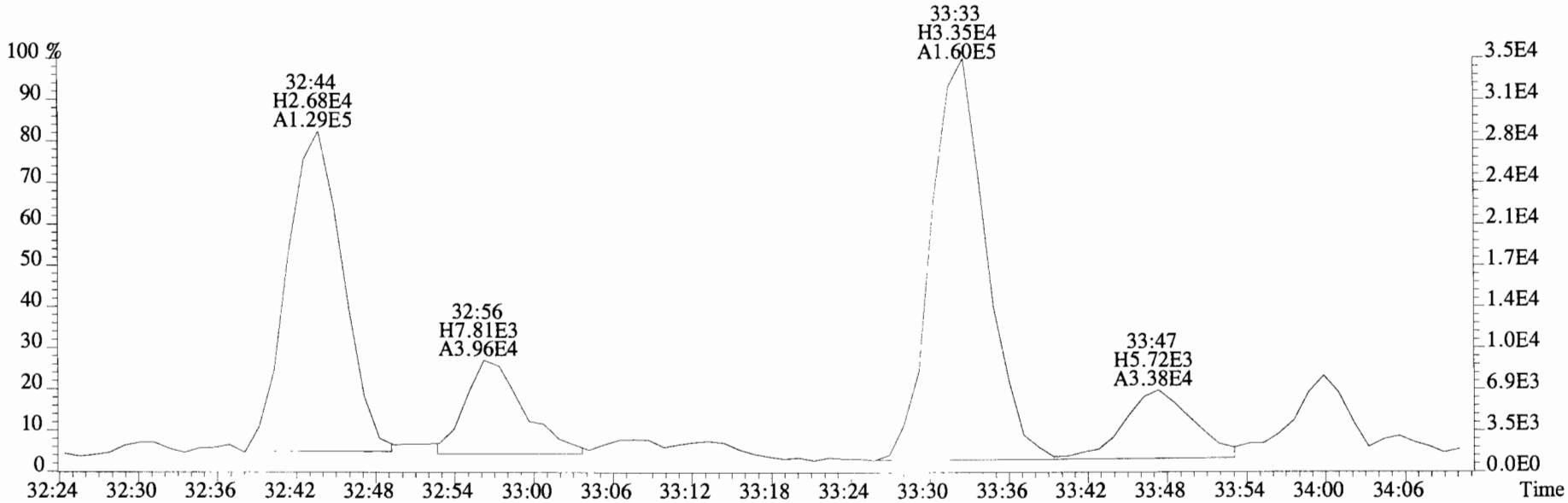

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



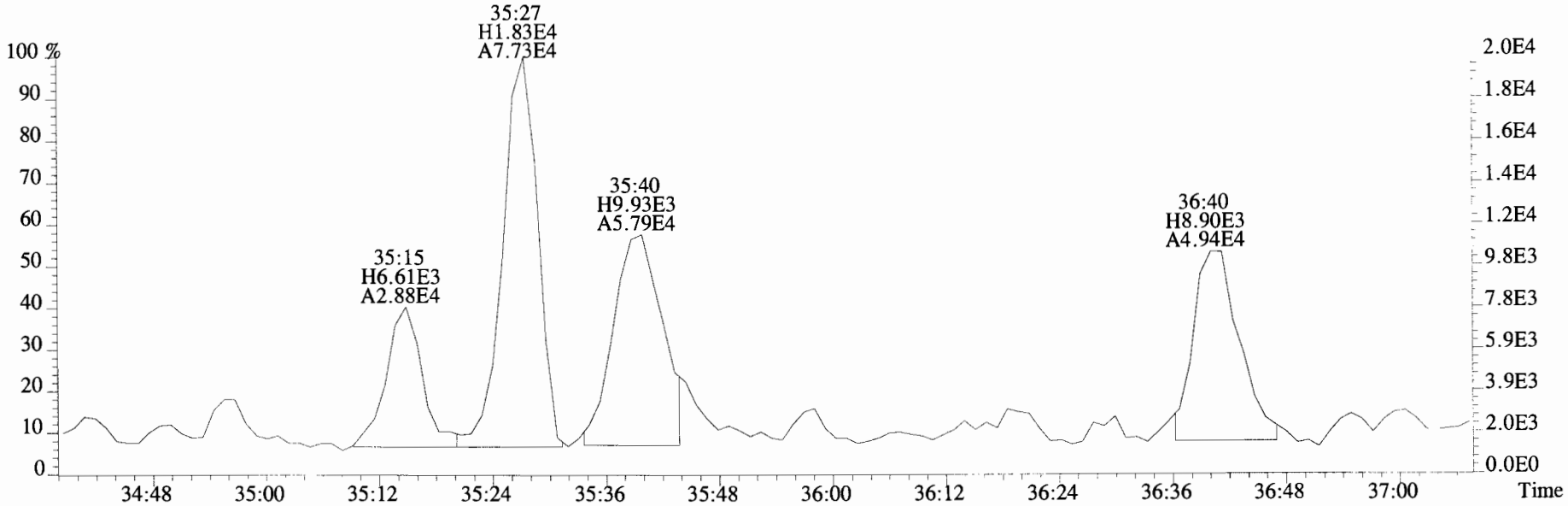
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



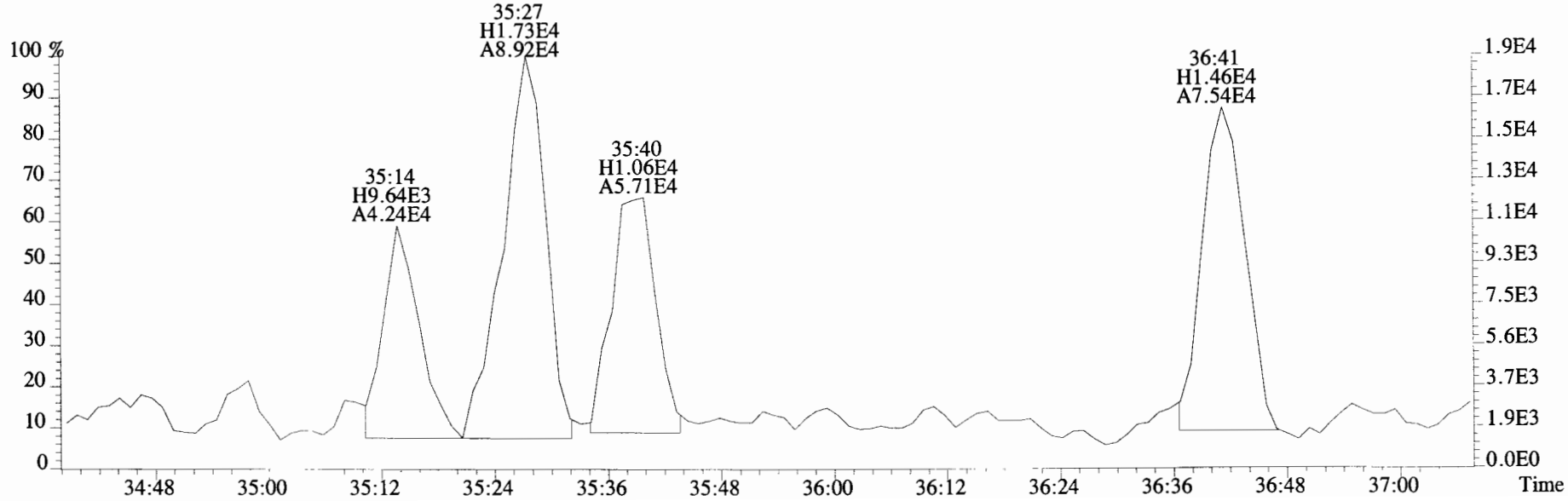

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



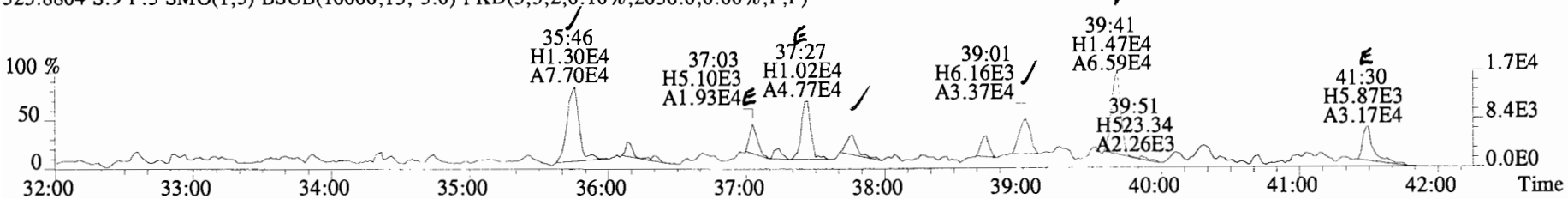
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
289.9224 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



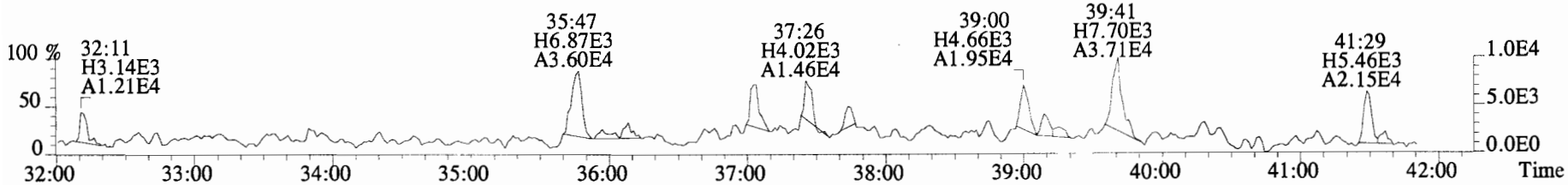

291.9194 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2420.0,0.00%,F,F)



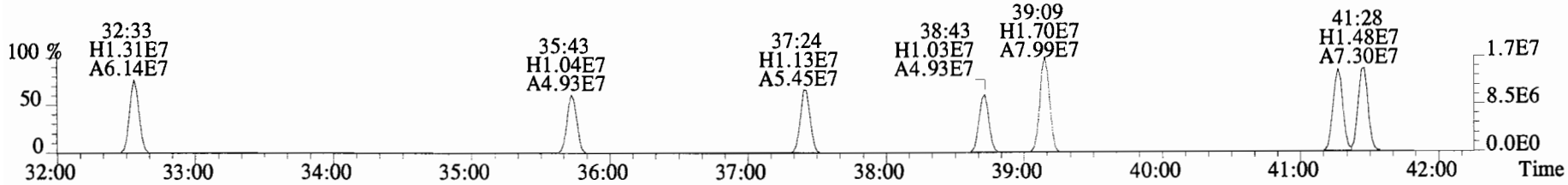
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
325.8804 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2036.0,0.00%,F,F)



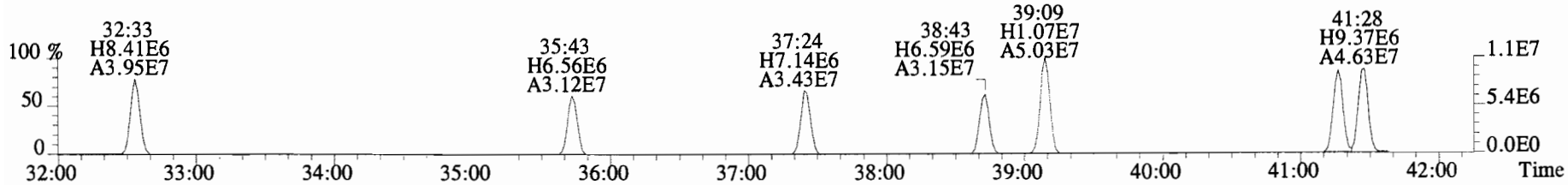

327.8775 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2160.0,0.00%,F,F)



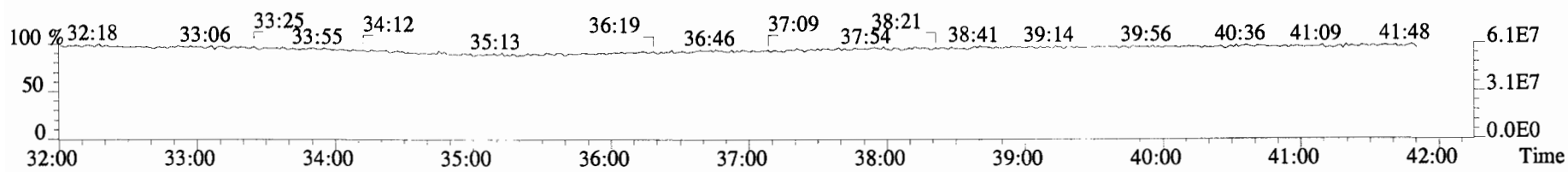

337.9207 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4176.0,0.00%,F,F)



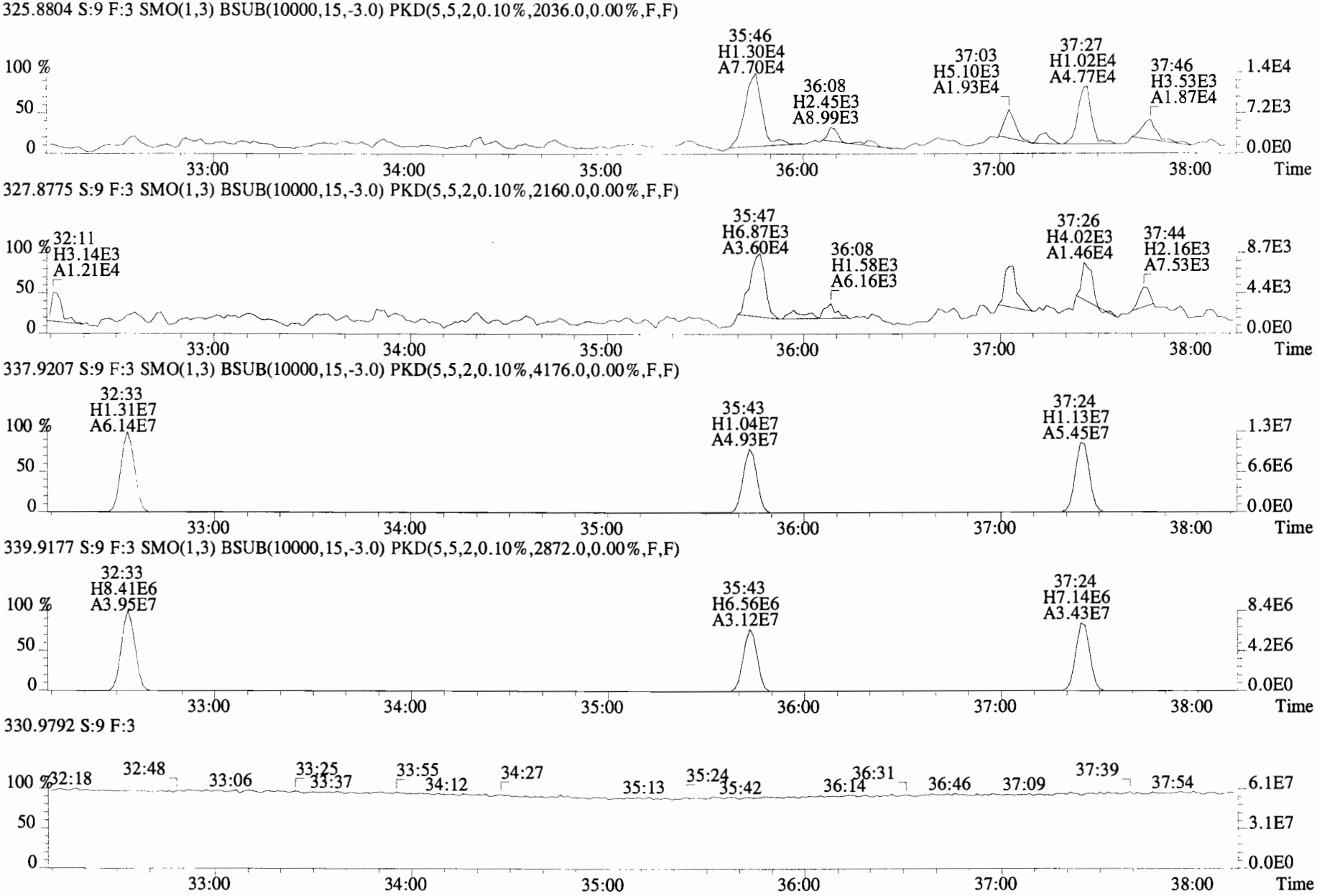

339.9177 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



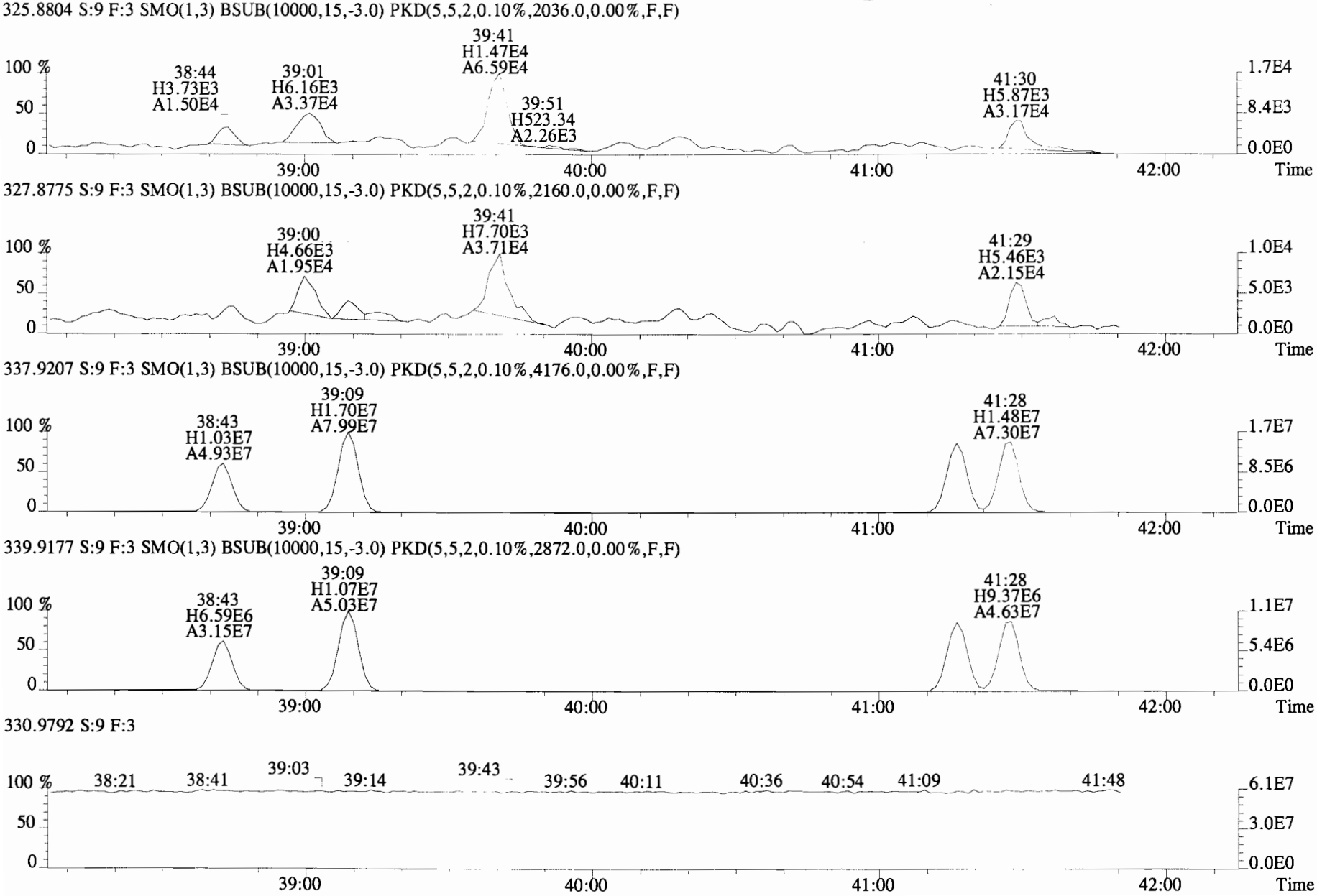

330.9792 S:9 F:3



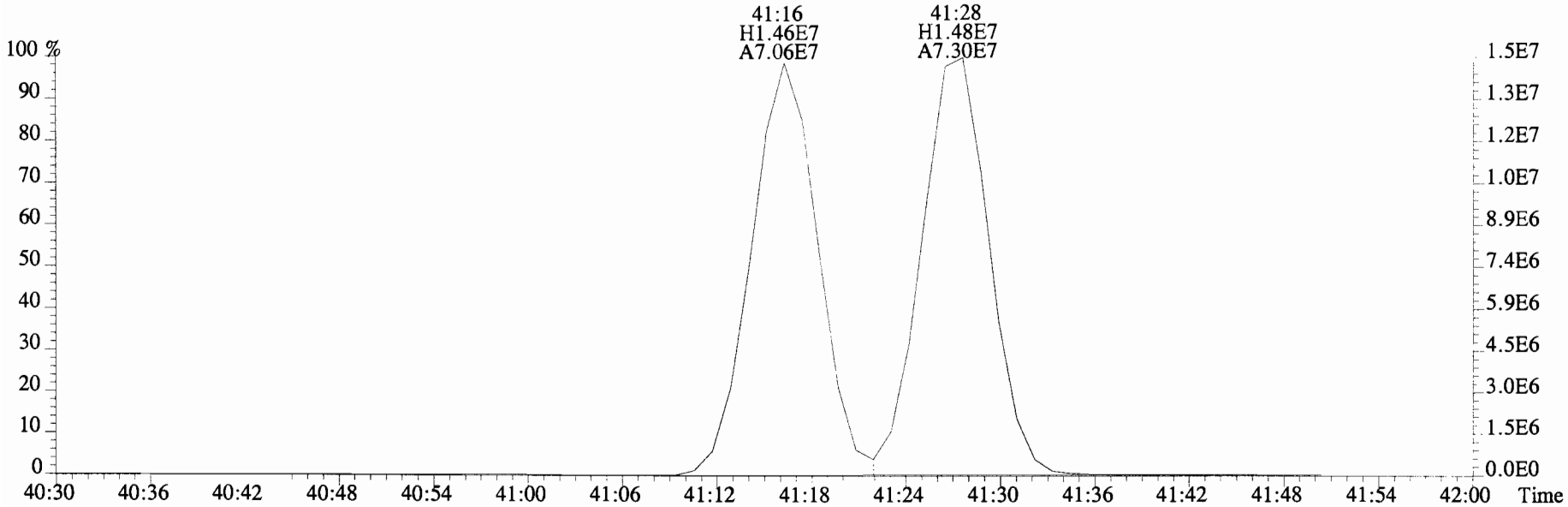
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1



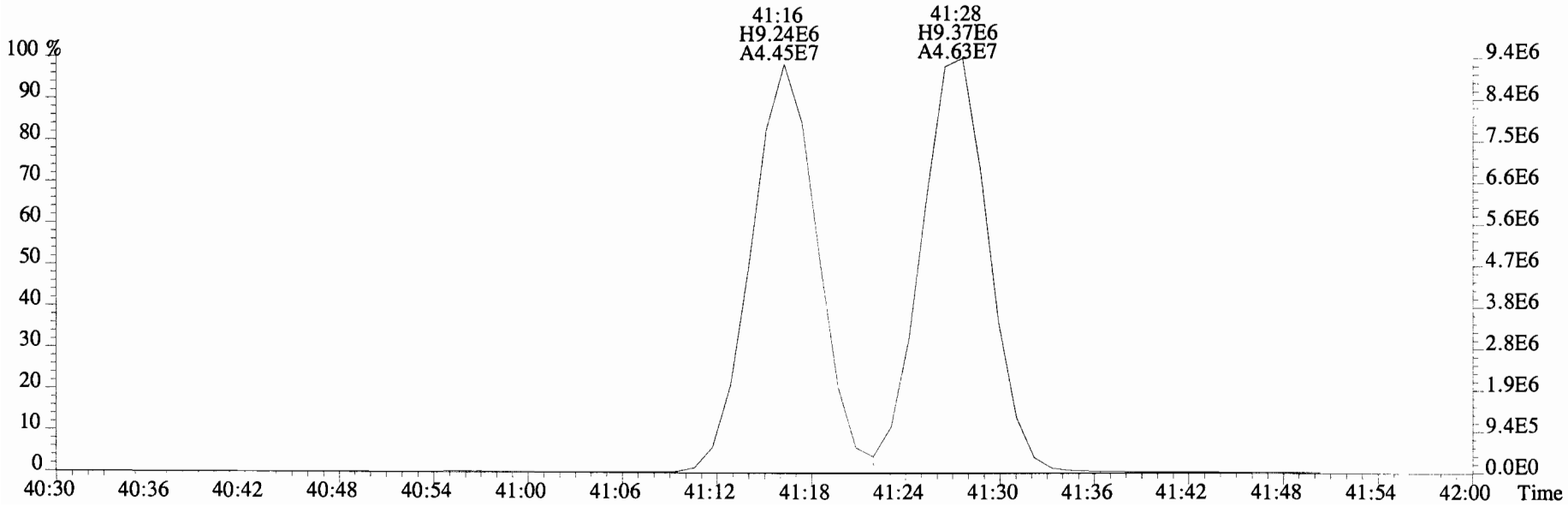
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1



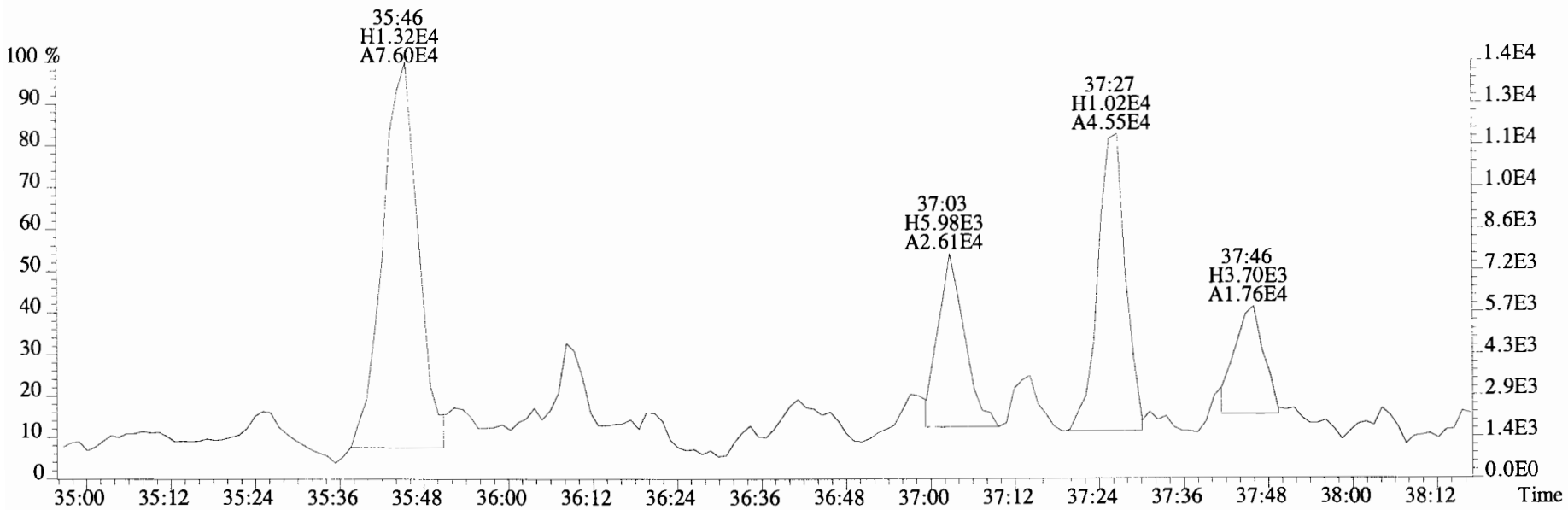
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
337.9207 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4176.0,0.00%,F,F)



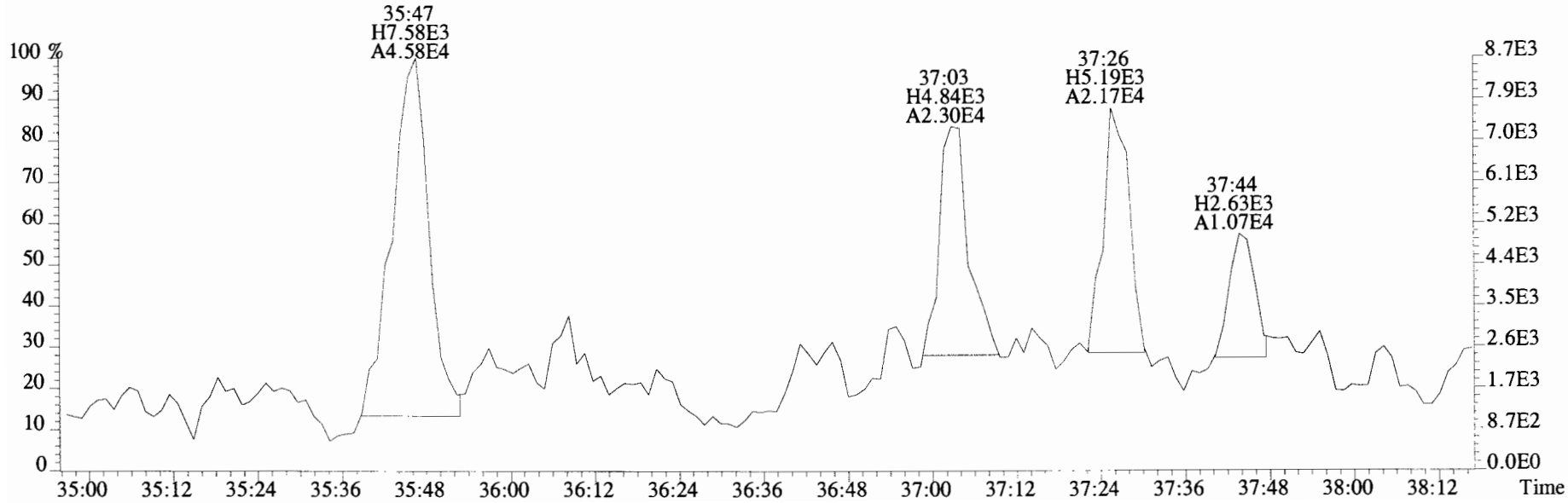

339.9177 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



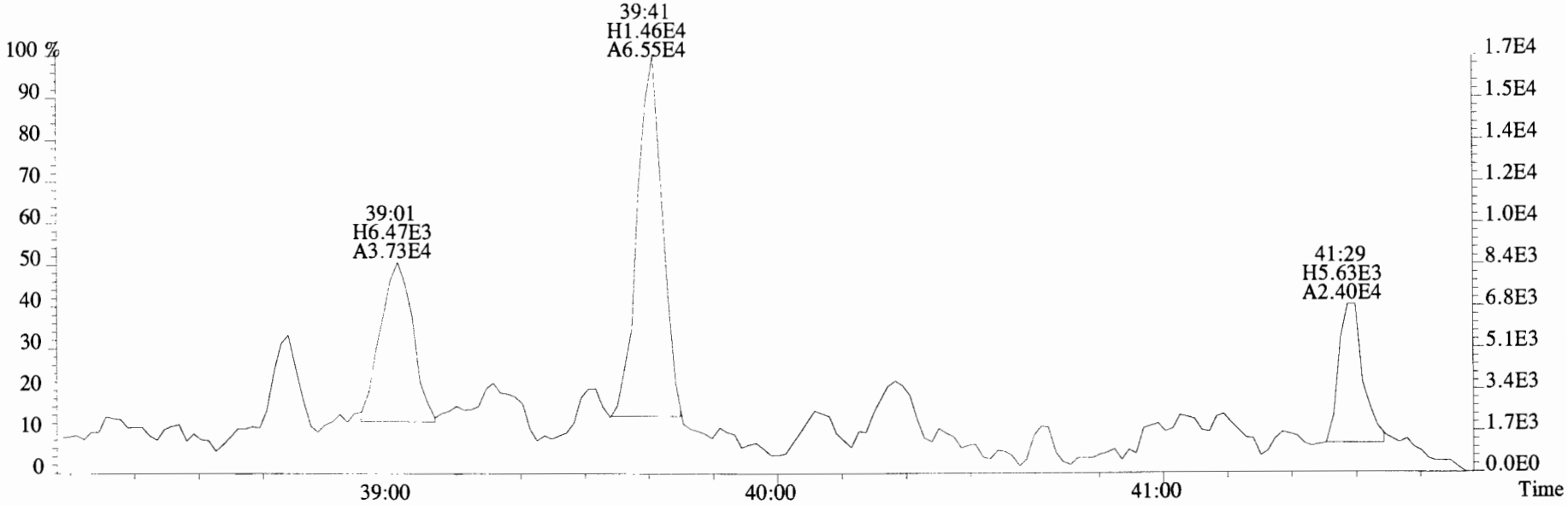
File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
325.8804 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2036.0,0.00%,F,F)



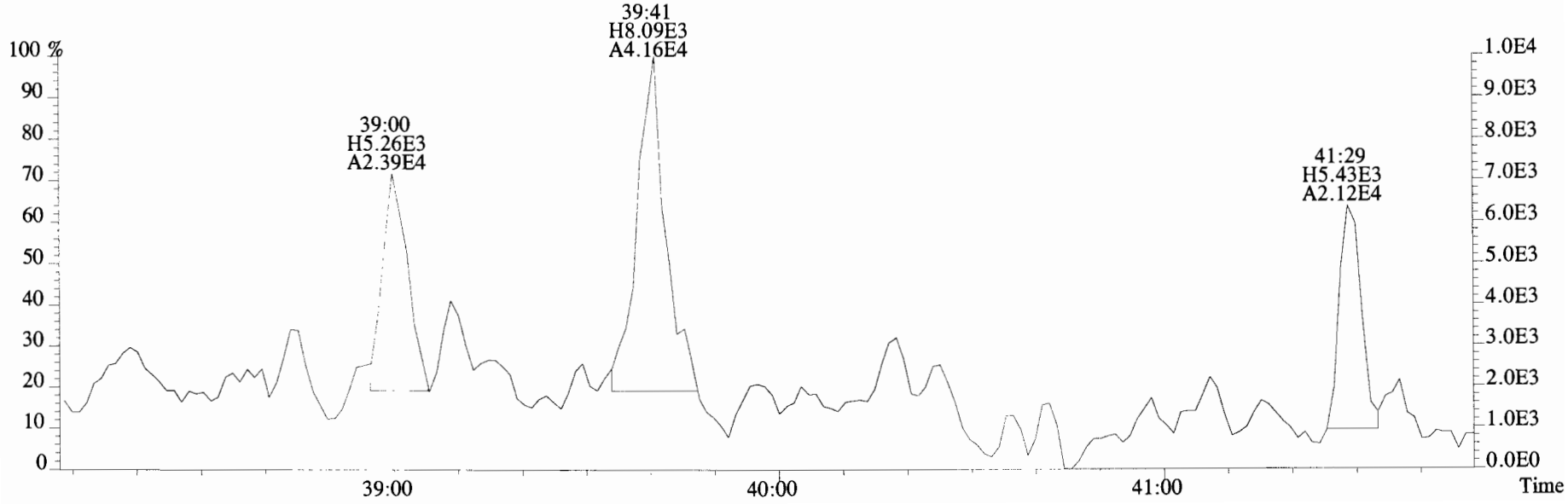

327.8775 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2160.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
325.8804 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2036.0,0.00%,F,F)

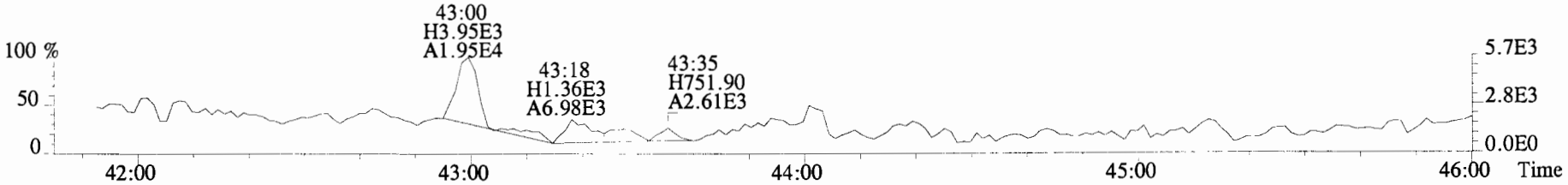



327.8775 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2160.0,0.00%,F,F)

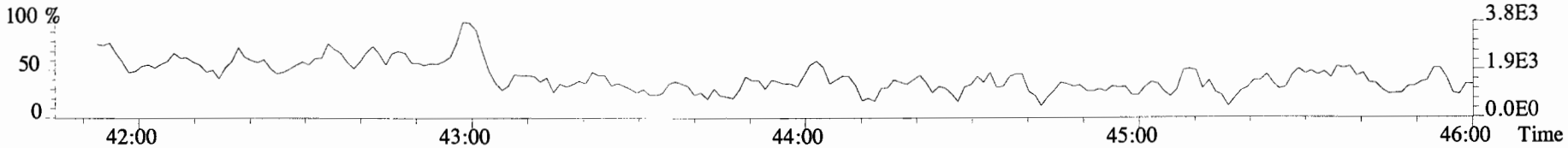


File:180409E1 #1-574 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1

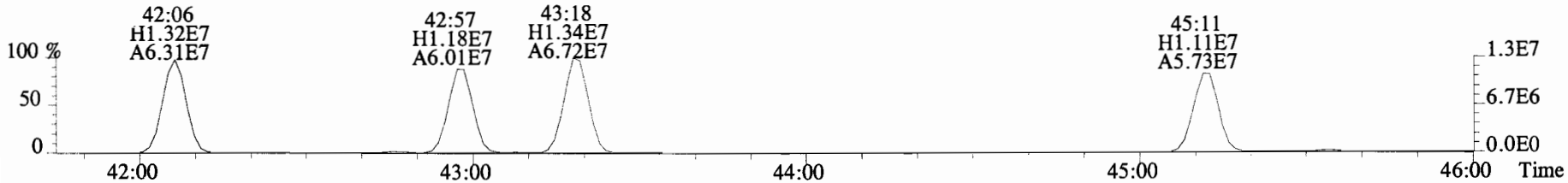
325.8804 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1704.0,0.00%,F,F)



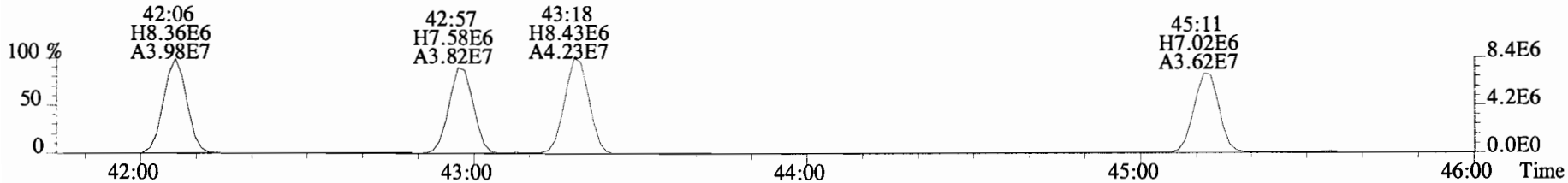

327.8775 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1800.0,0.00%,F,F)



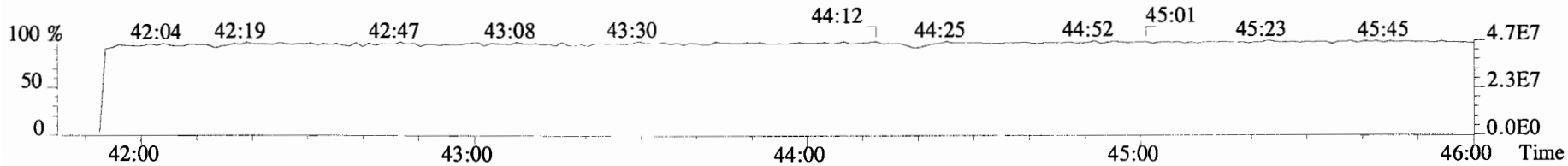

337.9207 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7588.0,0.00%,F,F)




339.9177 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5556.0,0.00%,F,F)

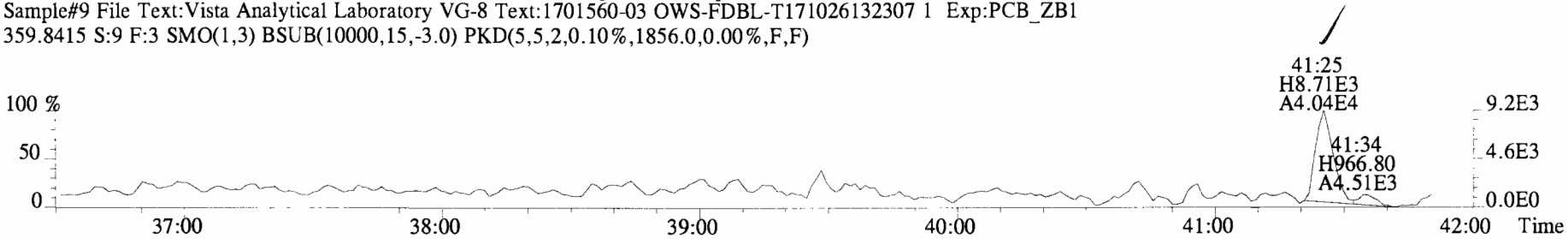



380.9760 S:9 F:4

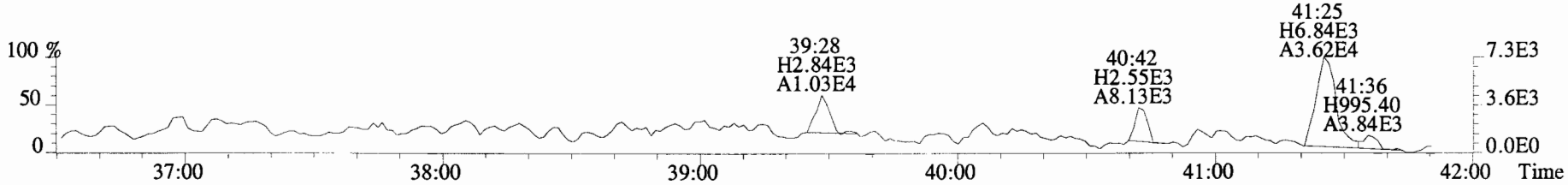


File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1

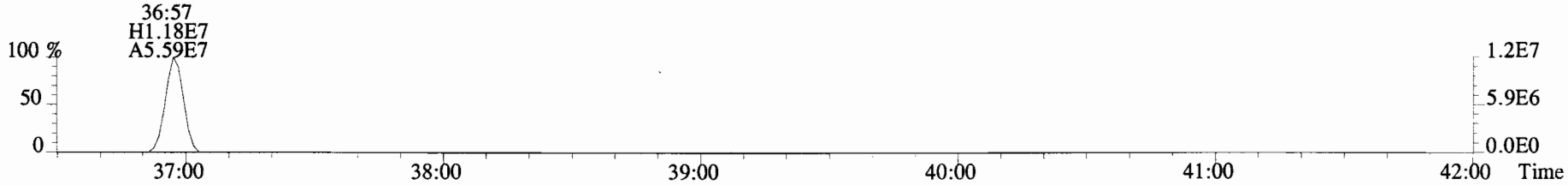
359.8415 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1856.0,0.00%,F,F)



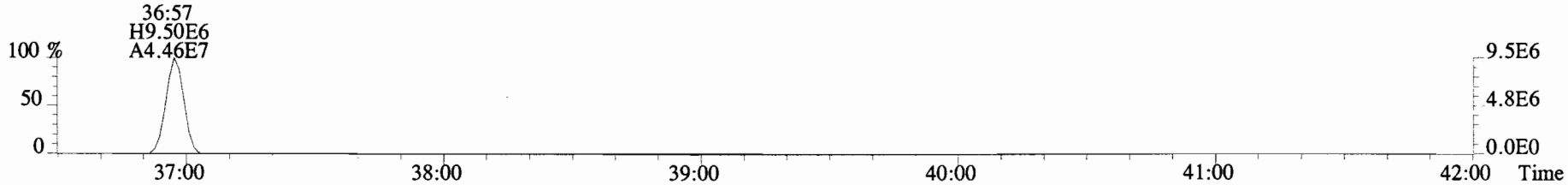

361.8385 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1940.0,0.00%,F,F)



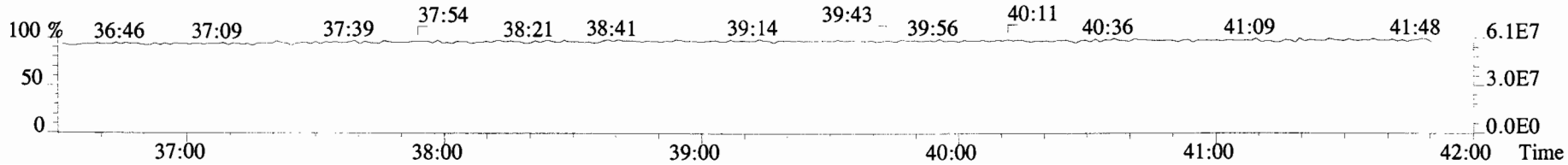

371.8817 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2052.0,0.00%,F,F)



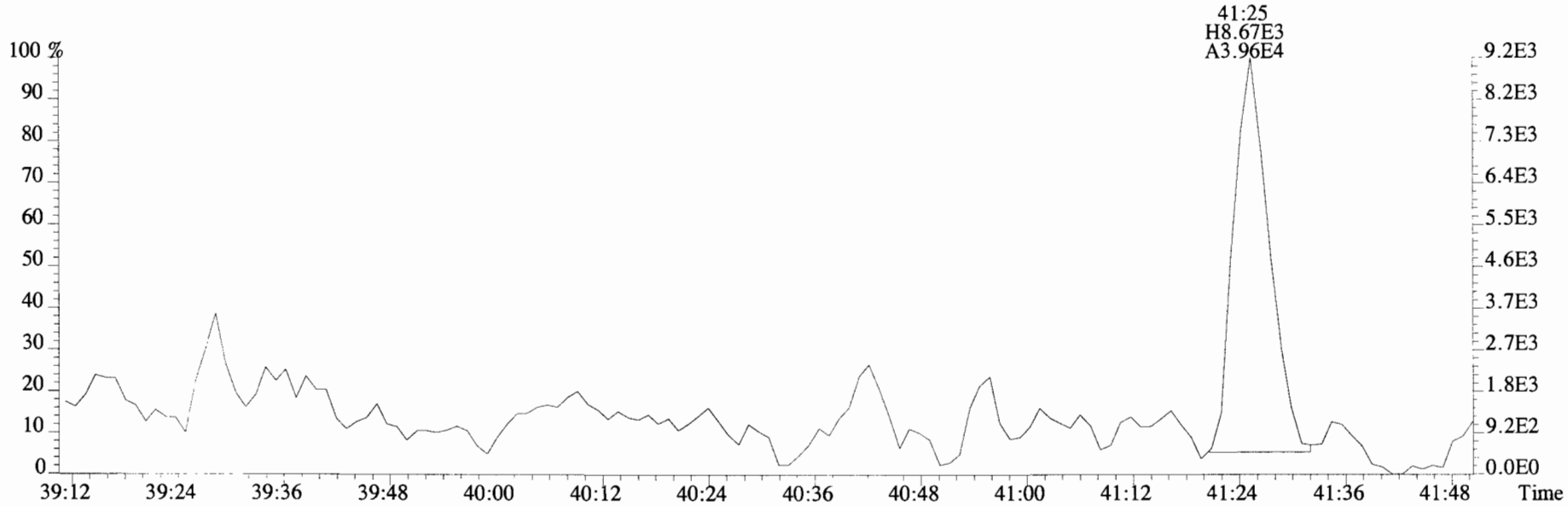

373.8788 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



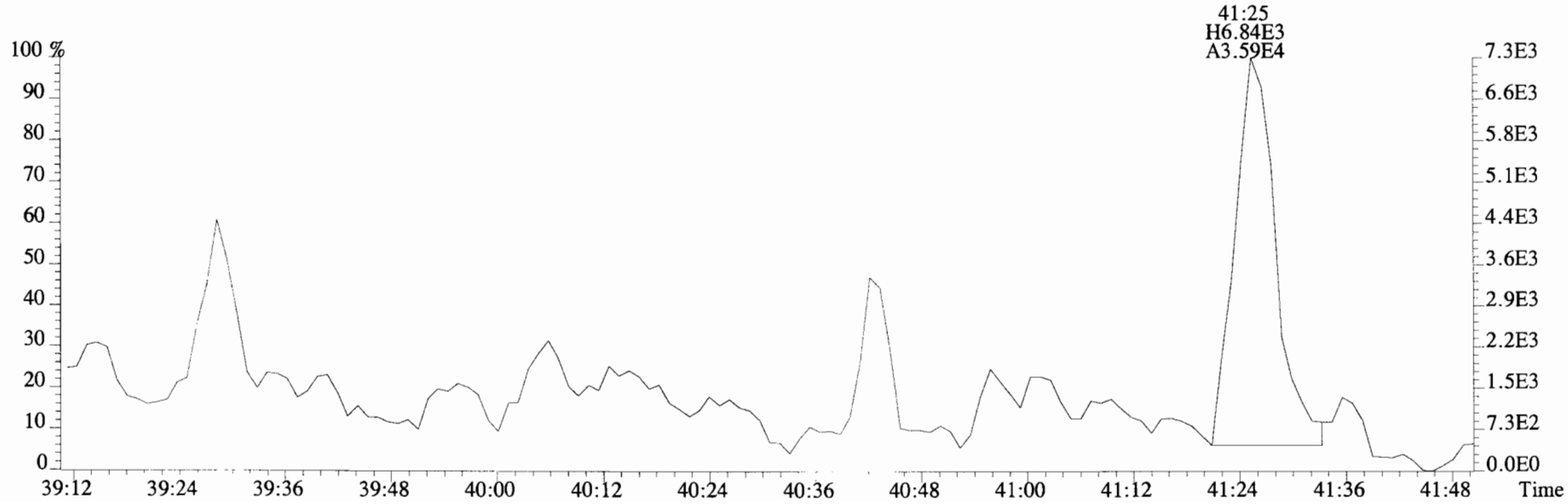

330.9792 S:9 F:3



File:180409E1 #1-756 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
359.8415 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1856.0,0.00%,F,F)

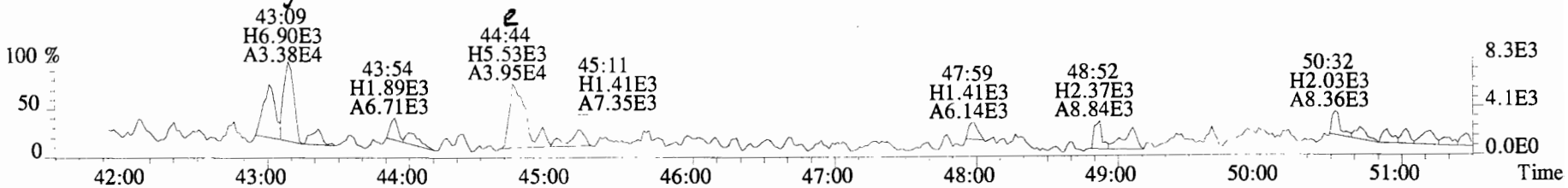



361.8385 S:9 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1940.0,0.00%,F,F)

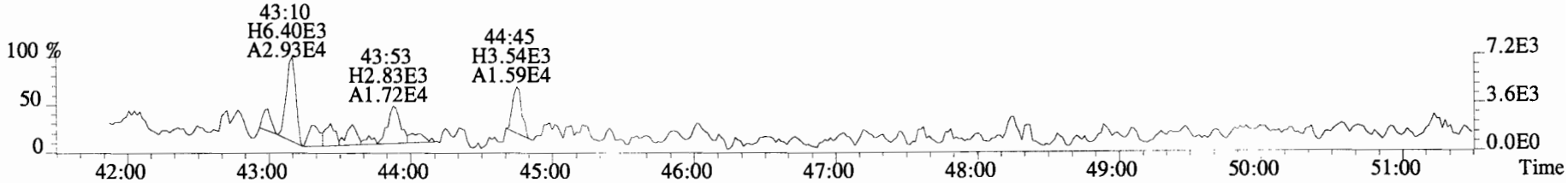


File:180409E1 #1-574 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1

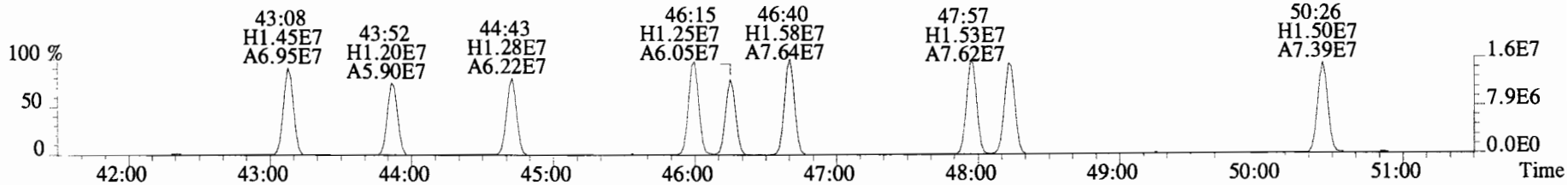
359.8415 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1772.0,0.00%,F,F)



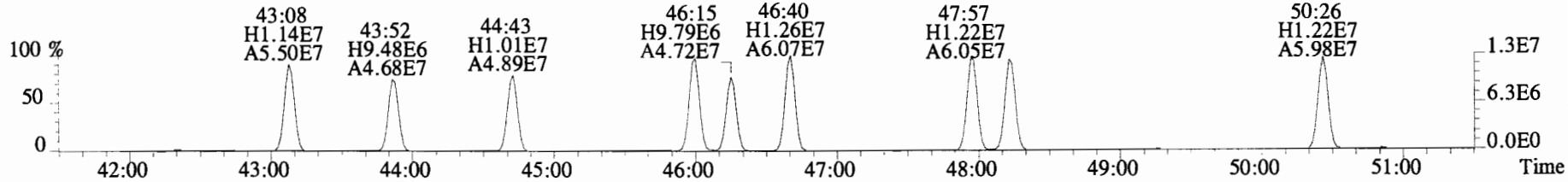

361.8385 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1748.0,0.00%,F,F)



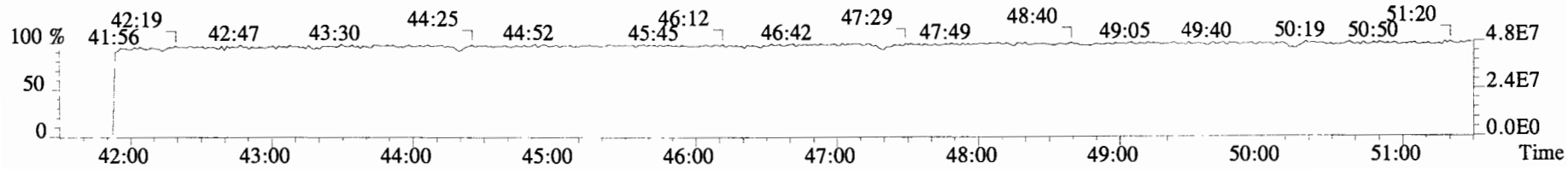

371.8817 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11352.0,0.00%,F,F)



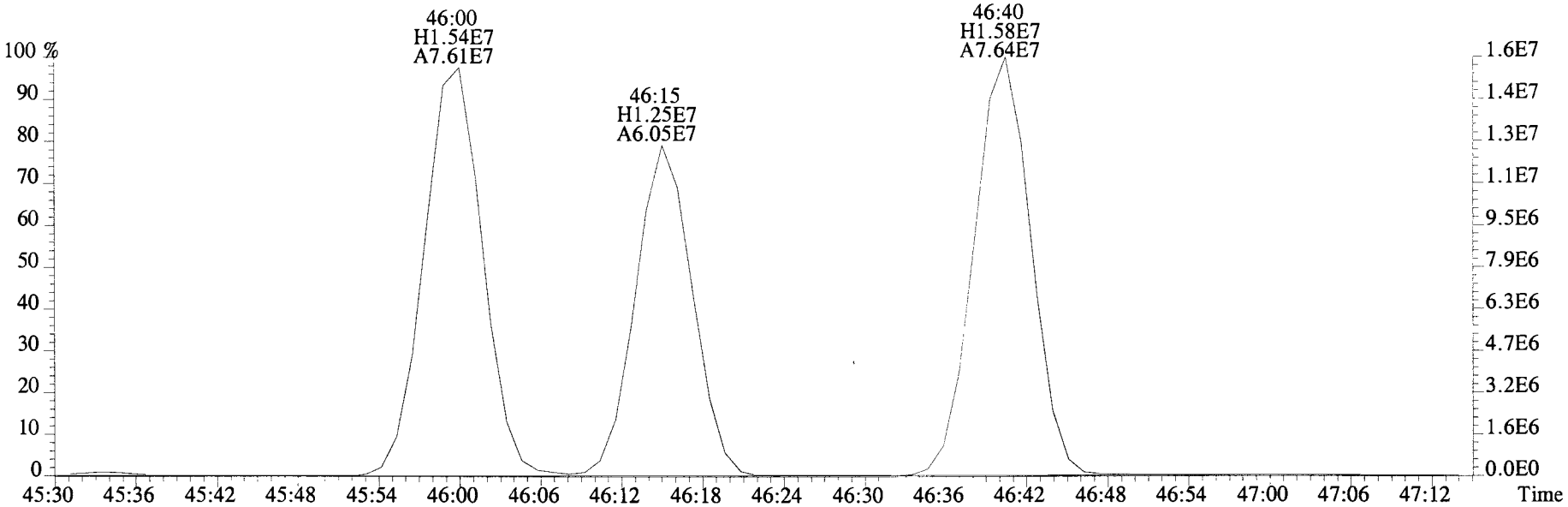

373.8788 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9812.0,0.00%,F,F)



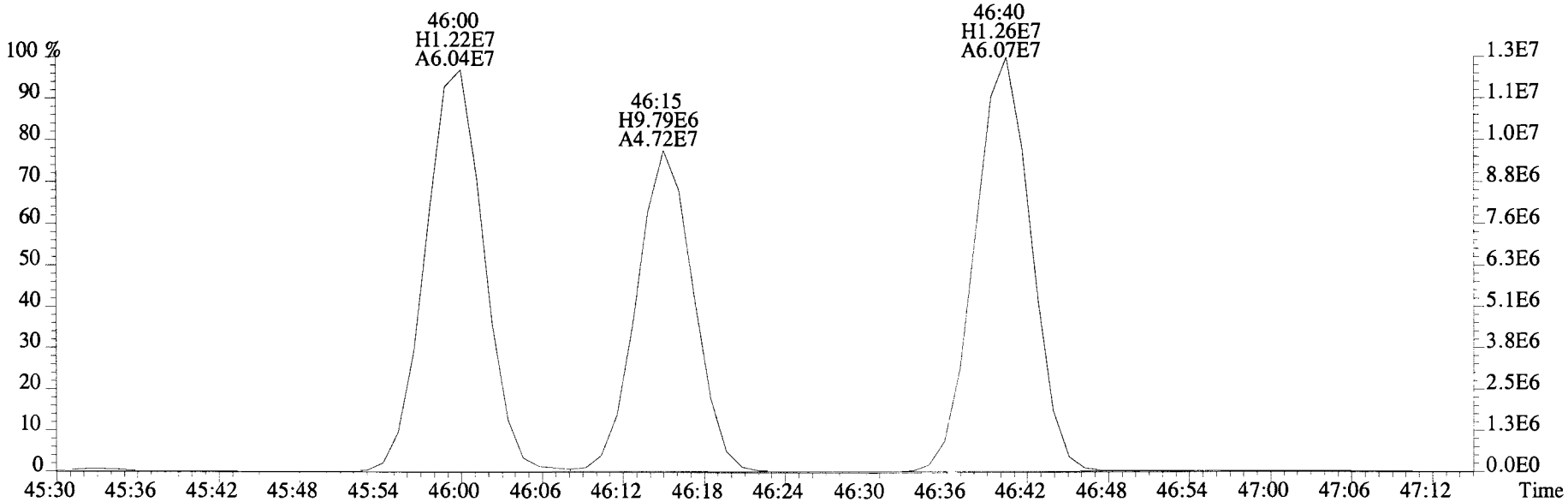

380.9760 S:9 F:4



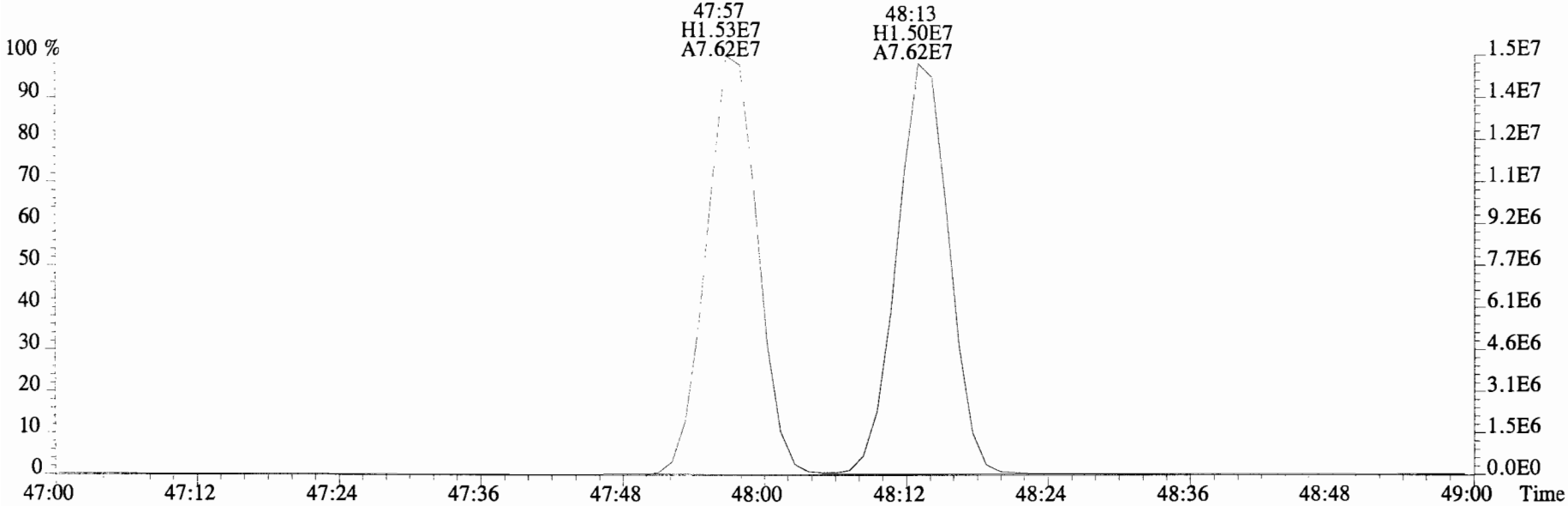
File:180409E1 #1-574 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
371.8817 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11352.0,0.00%,F,F)



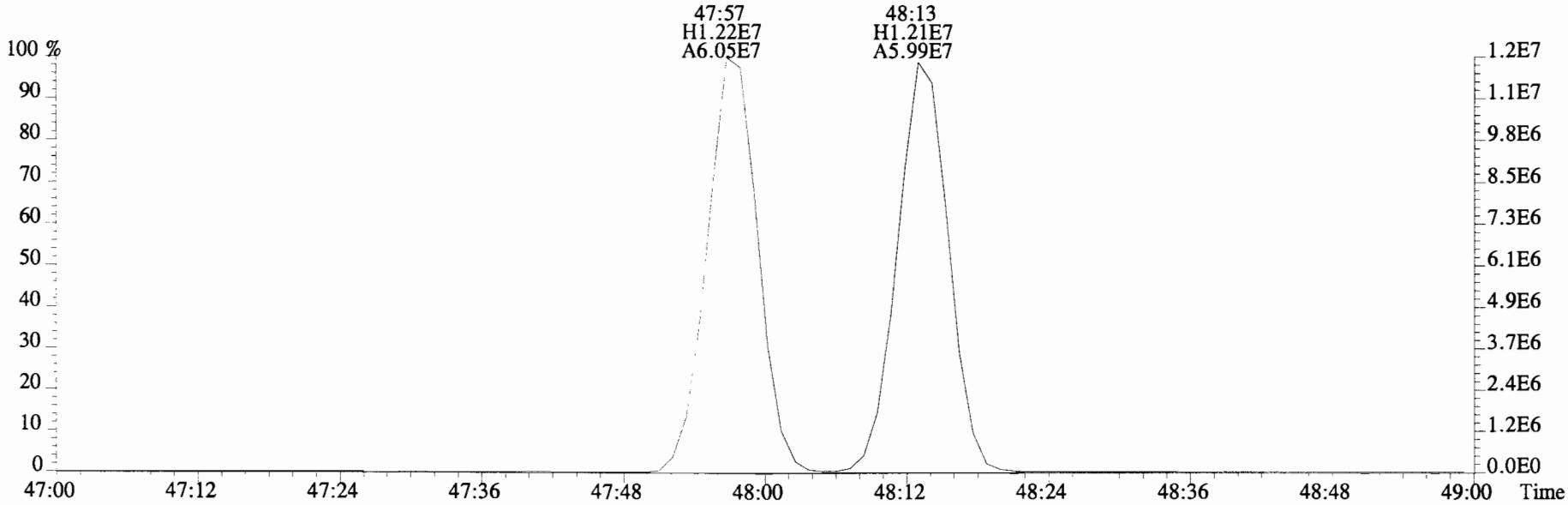

373.8788 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9812.0,0.00%,F,F)



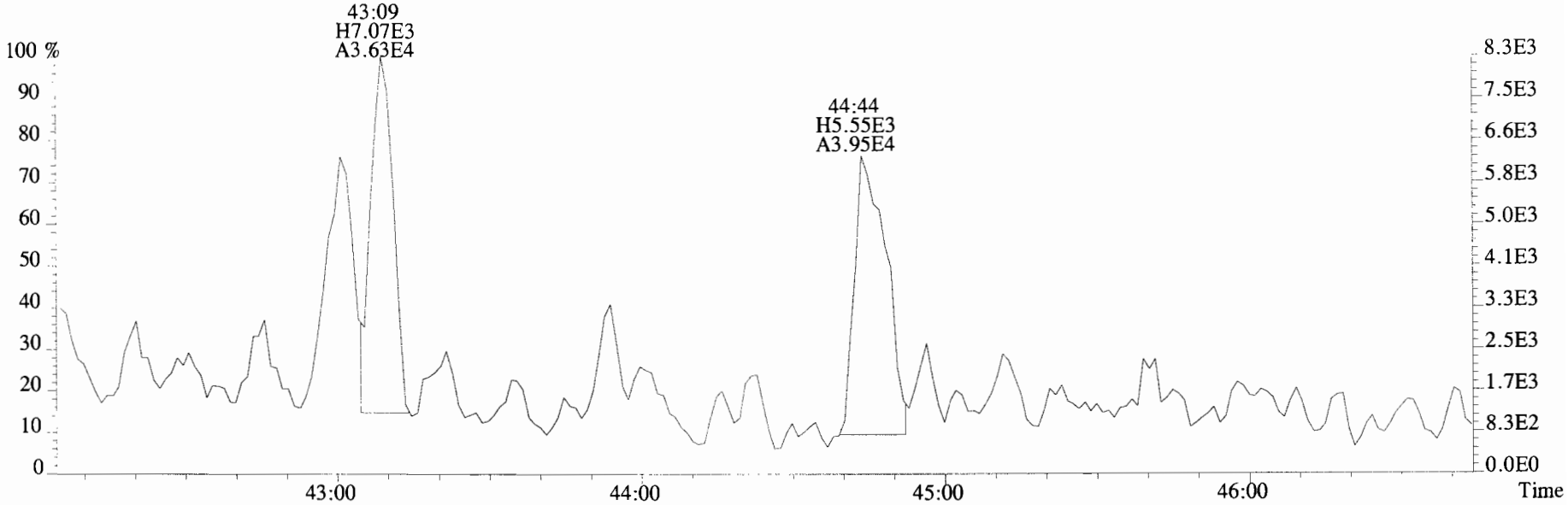
File:180409E1 #1-574 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
371.8817 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11352.0,0.00%,F,F)



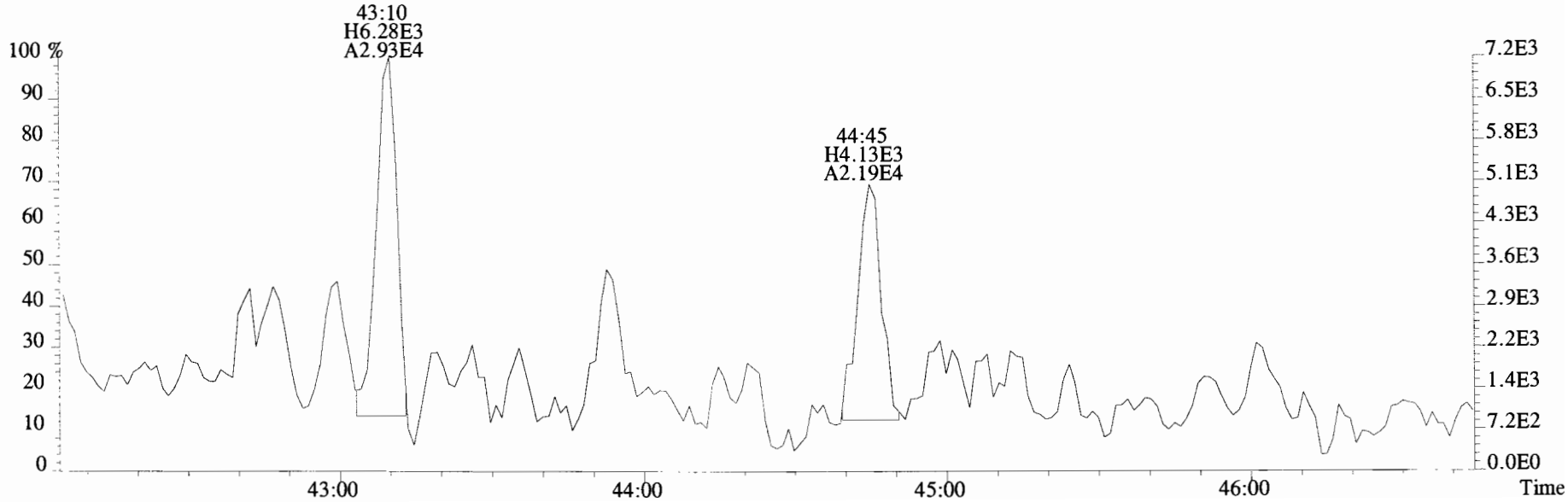

373.8788 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9812.0,0.00%,F,F)



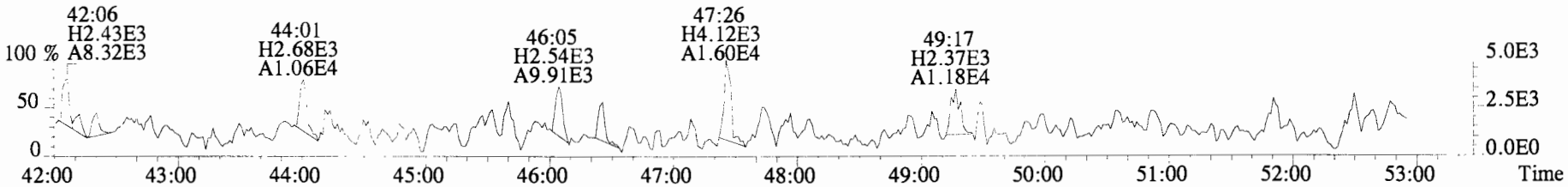
File:180409E1 #1-574 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
359.8415 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1772.0,0.00%,F,F)



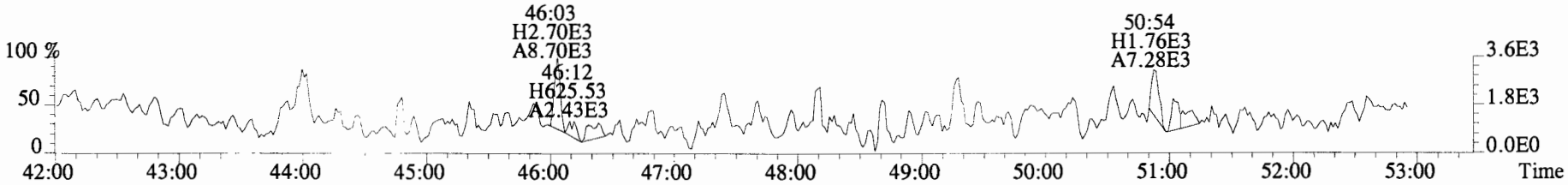

361.8385 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1748.0,0.00%,F,F)



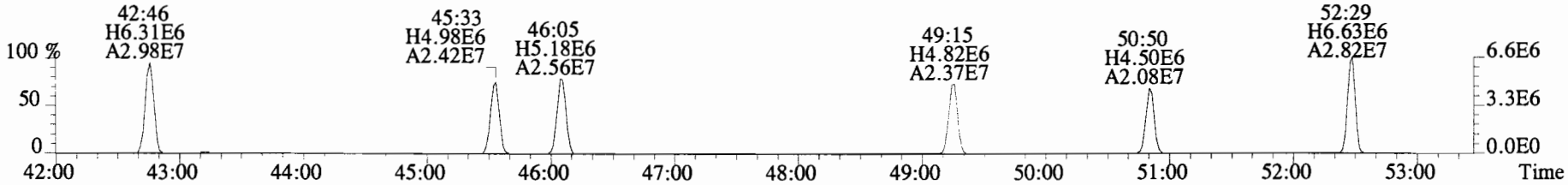
File:180409E1 #1-574 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
393.8025 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1604.0,0.00%,F,F)



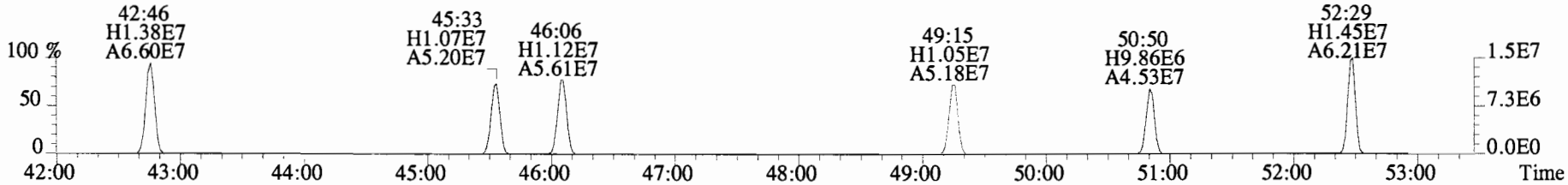

395.7995 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1640.0,0.00%,F,F)



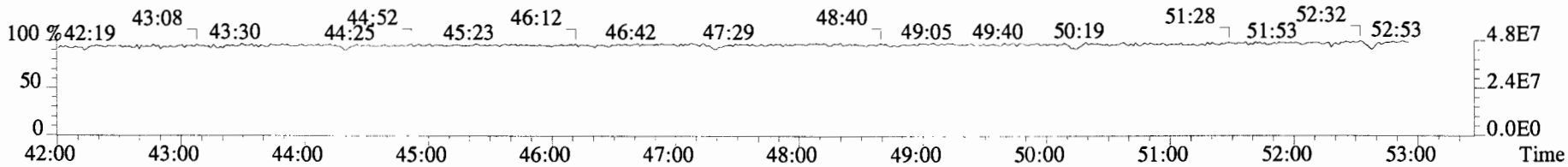

403.8457 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5136.0,0.00%,F,F)



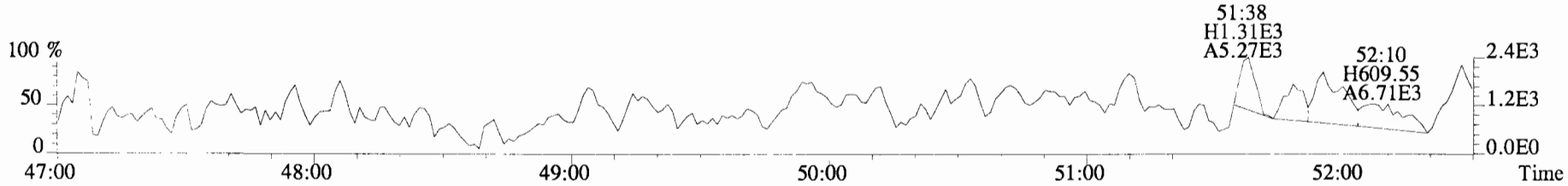

405.8428 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8676.0,0.00%,F,F)



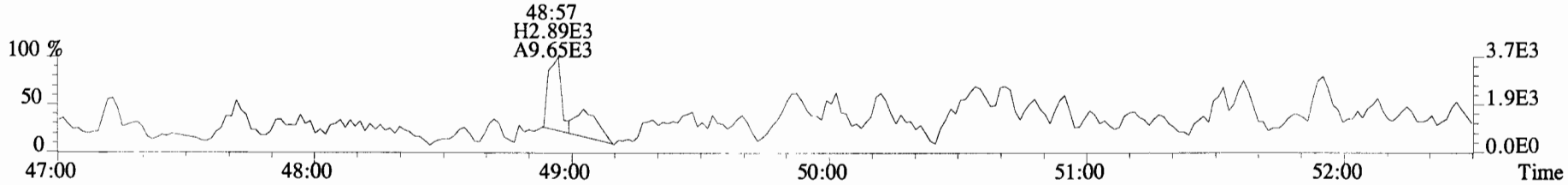

380.9760 S:9 F:4



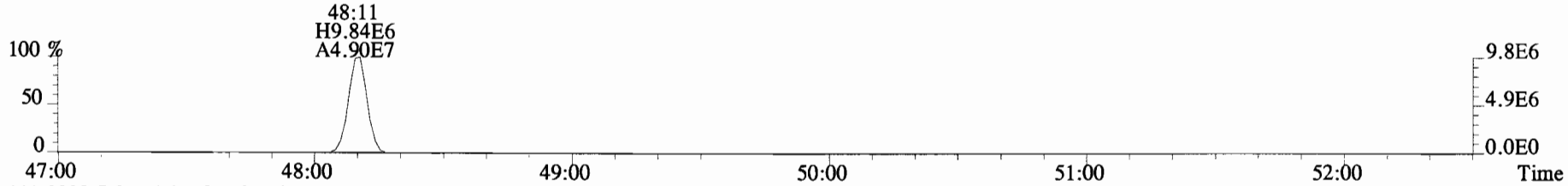
File:180409E1 #1-574 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
427.7635 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1520.0,0.00%,F,F)



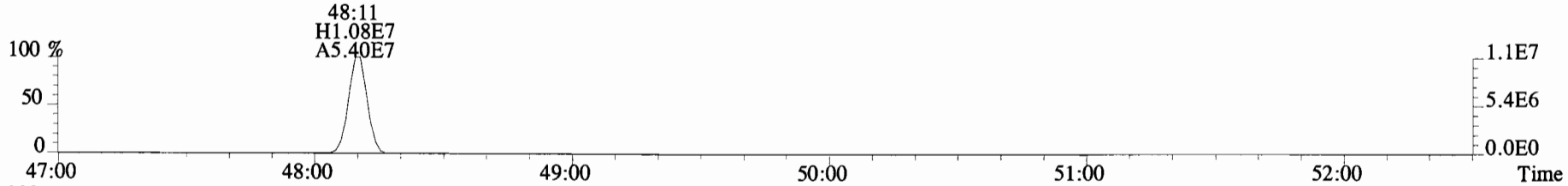

429.7606 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1532.0,0.00%,F,F)



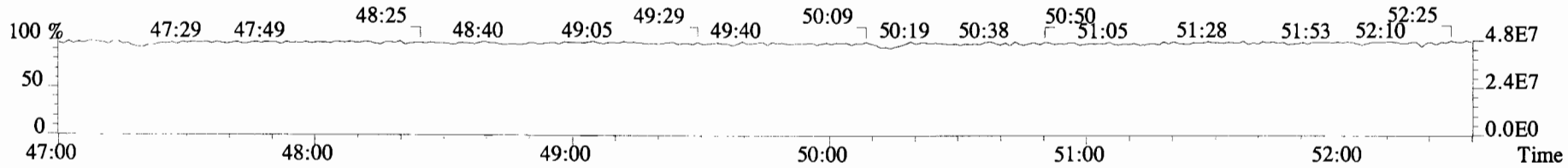

439.8038 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



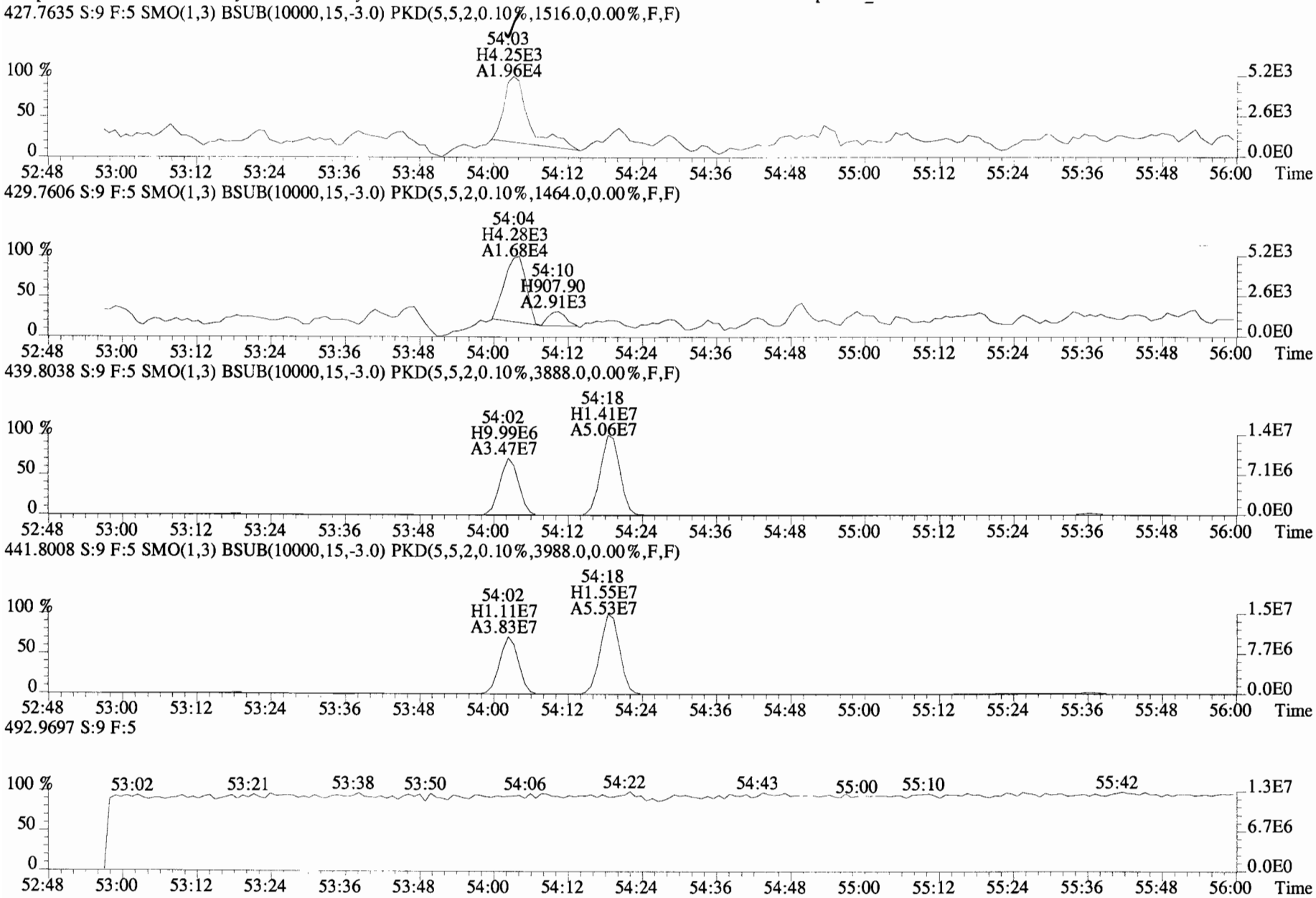

441.8008 S:9 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1500.0,0.00%,F,F)



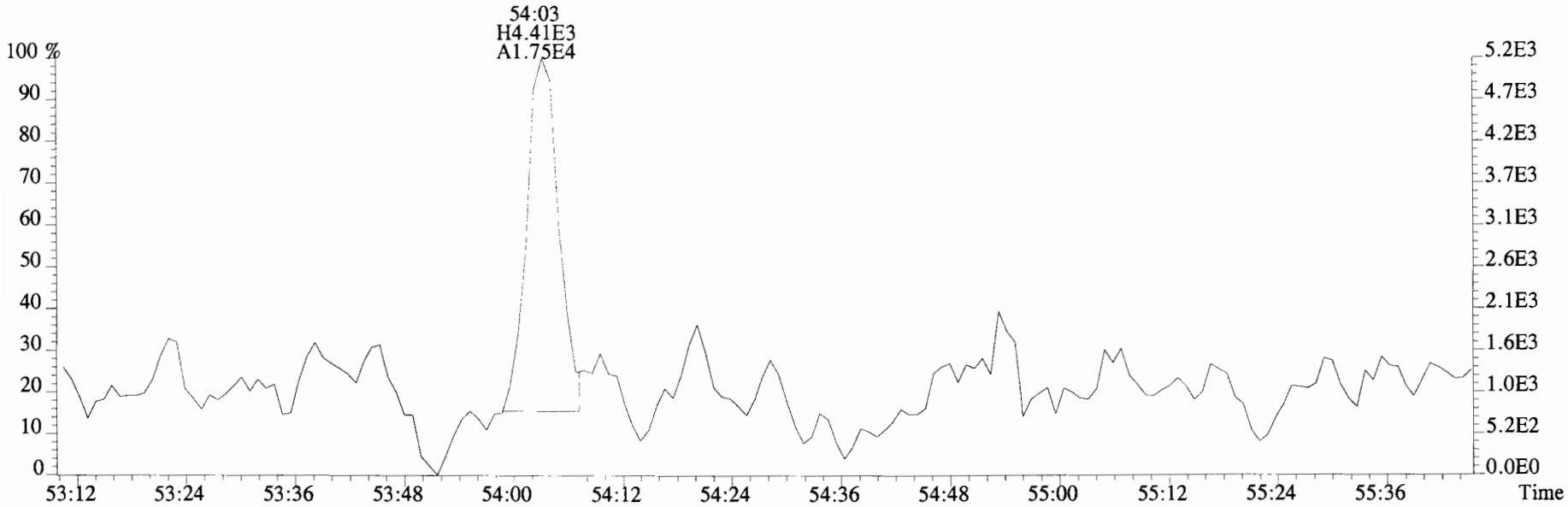

380.9760 S:9 F:4



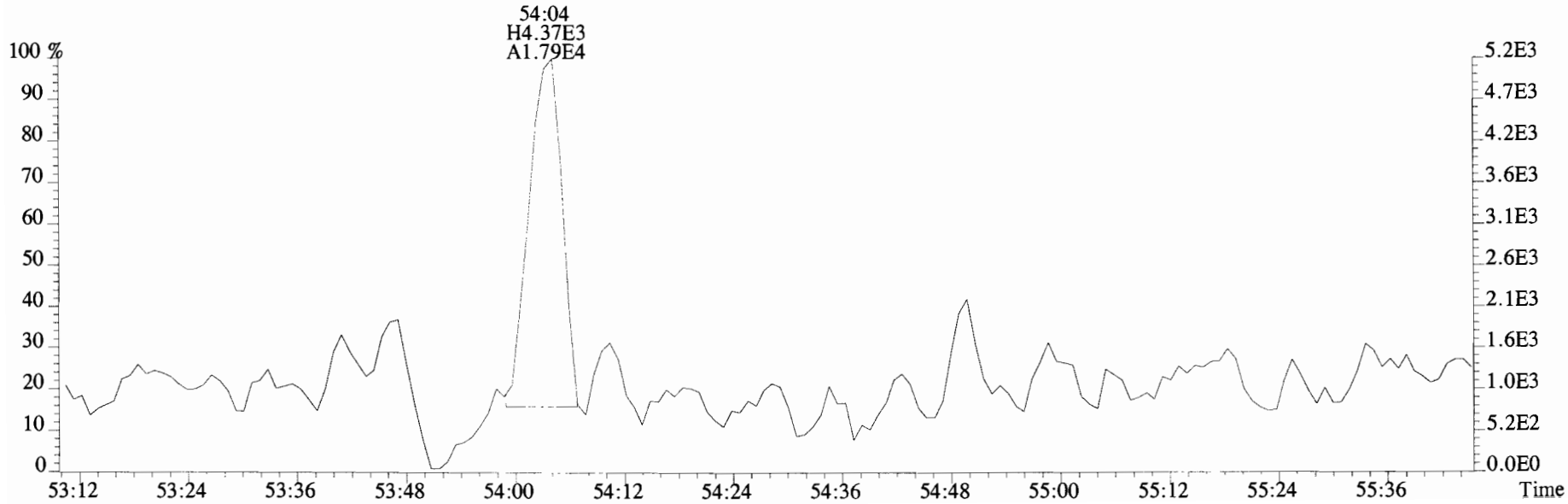
File:180409E1 #1-407 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1



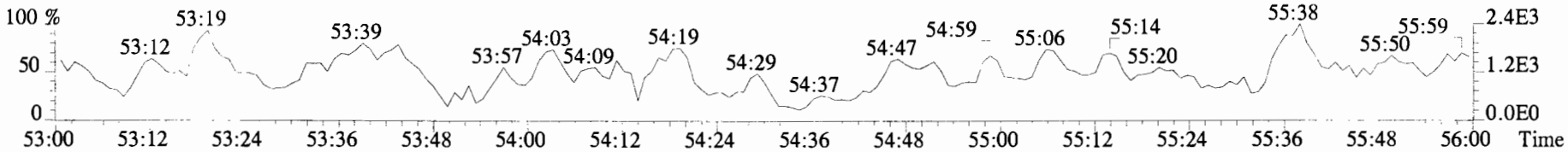
File:180409E1 #1-407 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
427.7635 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1516.0,0.00%,F,F)



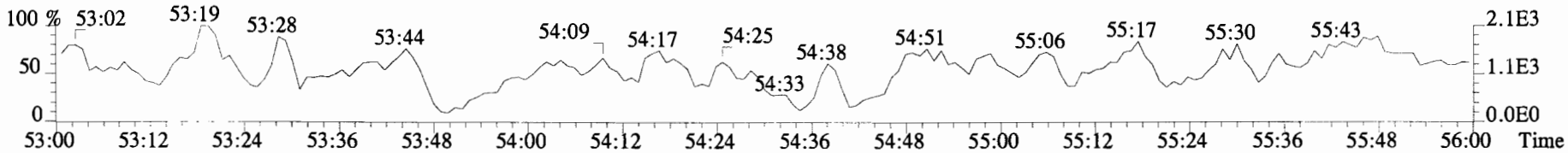

429.7606 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1464.0,0.00%,F,F)



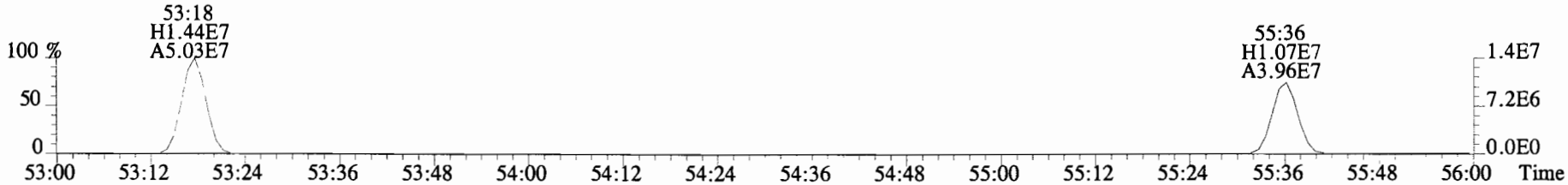
File:180409E1 #1-407 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
463.7216 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1600.0,0.00%,F,F)



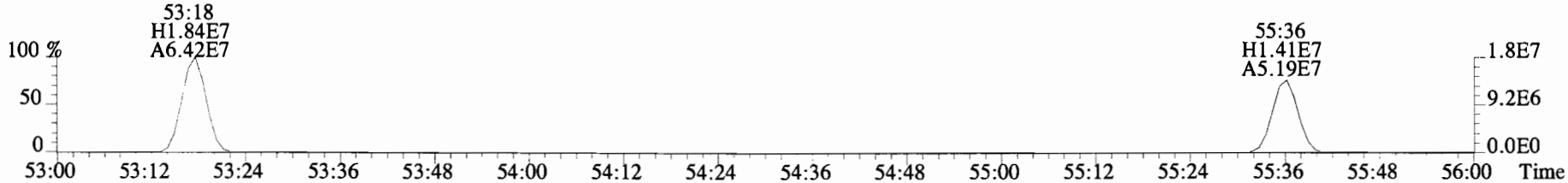

465.7186 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1564.0,0.00%,F,F)



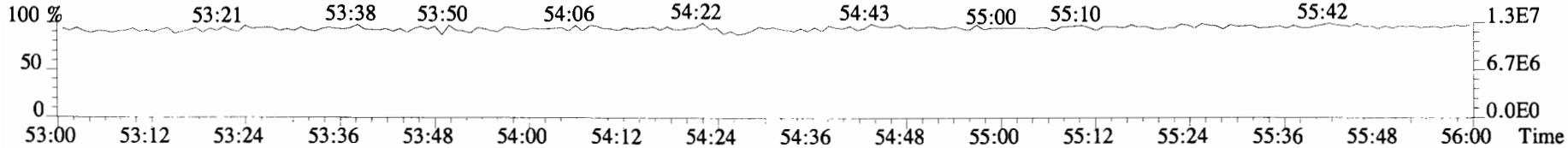

473.7648 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15600.0,0.00%,F,F)



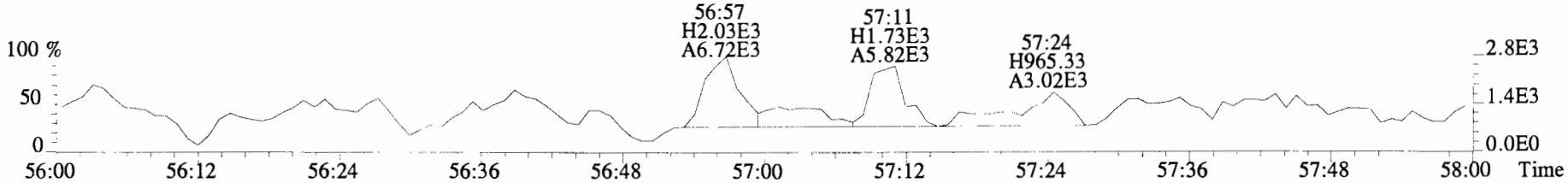

475.7619 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20524.0,0.00%,F,F)



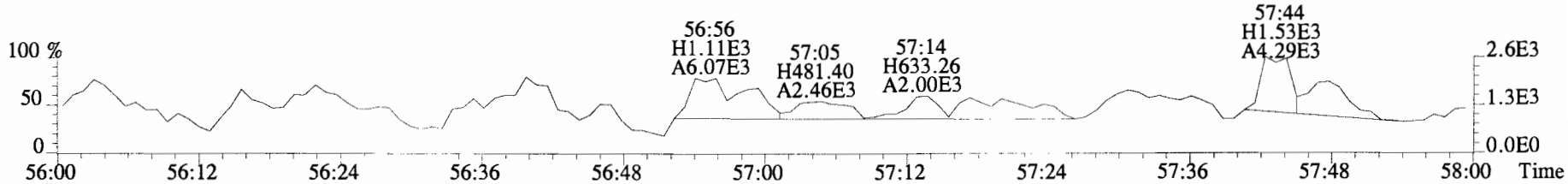

492.9697 S:9 F:5



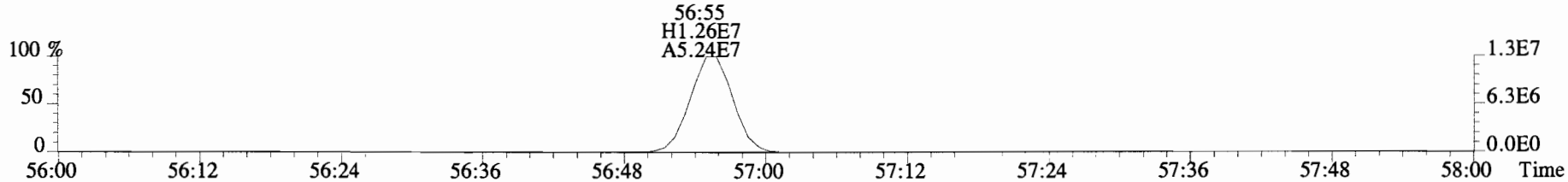
File:180409E1 #1-407 Acq:10-APR-2018 02:14:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG-8 Text:1701560-03 OWS-FDBL-T171026132307 1 Exp:PCB_ZB1
497.6826 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1360.0,0.00%,F,F)



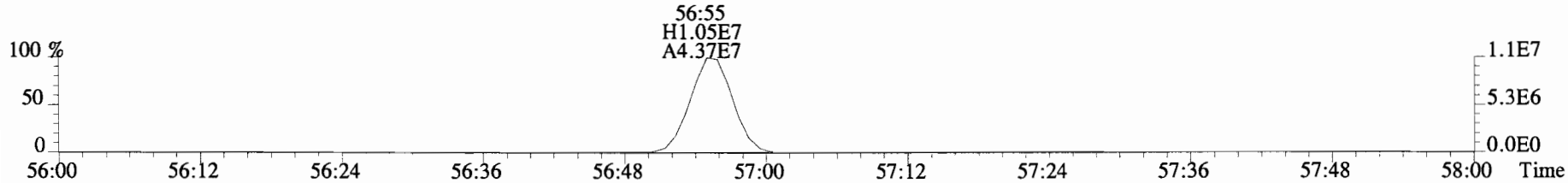

499.6797 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1524.0,0.00%,F,F)



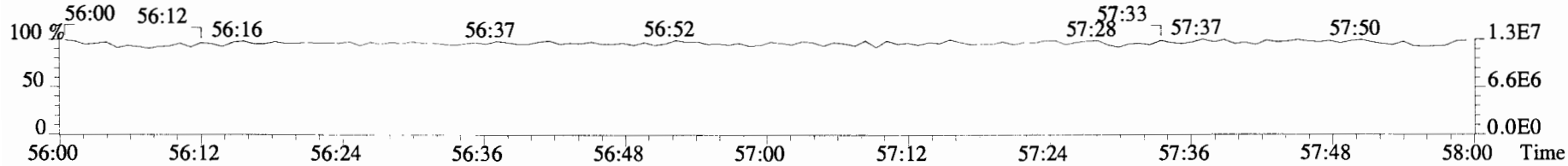

509.7229 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1512.0,0.00%,F,F)




511.7199 S:9 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1592.0,0.00%,F,F)




492.9697 S:9 F:5



| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL-UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | * | * | n | NotF | 1.07 | * | | 1570 | 2.5 | 1.22 | * | 0.996-1.006 |
| Mono | PCB-2 | * | * | n | NotF | 1.06 | * | | 1570 | 2.5 | 1.21 | * | 0.983-0.993 |
| Mono | PCB-3 | * | * | n | NotF | 1.06 | * | | 1570 | 2.5 | 1.21 | * | 0.996-1.006 |
| Di | PCB-4/10 | 5.45e+06 | 1.53 | y | 19:59 | 1.24 | 137.3 | | * | 2.5 | * | 1.002 | 0.998-1.008 |
| Di | PCB-7/9 | * | * | n | NotF | 0.99 | * | | 7980 | 1.0 | 1.30 | * | 0.863-0.871 |
| Di | PCB-6 | * | * | n | NotF | 1.06 | * | | 3300 | 2.5 | 1.26 | * | 0.888-0.897 |
| Di | PCB-5/8 | * | * | n | NotF | 1.03 | * | | 11700 | 1.0 | 1.84 | * | 0.904-0.913 |
| Di | PCB-14 | * | * | n | NotF | 1.03 | * | | 3300 | 2.5 | 1.16 | * | 0.948-0.958 |
| Di | PCB-11 | * | * | n | NotF | 1.11 | * | | 53200 | 1.0 | 6.93 | * | 0.996-1.006 |
| Di | PCB-12/13 | * | * | n | NotF | 1.02 | * | | 3300 | 2.5 | 1.17 | * | 1.011-1.021 |
| Di | PCB-15 | * | * | n | NotF | 1.05 | * | | 75200 | 1.0 | 10.3 | * | 1.023-1.033 |
| Tri | PCB-19 | 2.29e+06 | 1.02 | y | 24:08 | 1.20 | 46.99 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | * | * | n | NotF | 1.93 | * | | 1810 | 2.5 | 0.464 | * | 1.034-1.044 |
| Tri | PCB-18 | 1.61e+06 | 1.12 | y | 25:47 | 0.91 | 25.52 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 4.44e+05 | 1.17 | y | 25:57 | 0.84 | 7.626 | | * | 2.5 | * | 0.959 | 0.955-0.965 |
| Tri | PCB-24/27 | 9.46e+05 | 1.11 | y | 26:31 | 1.15 | 11.89 | | * | 2.5 | * | 0.980 | 0.977-0.986 |
| Tri | PCB-16/32 | 2.14e+06 | 1.06 | y | 27:03 | 1.02 | 30.32 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | * | * | n | NotF | 0.96 | * | | 1600 | 2.5 | 0.628 | * | 0.955-0.965 |
| Tri | PCB-23 | * | * | n | NotF | 0.95 | * | | 1600 | 2.5 | 0.634 | * | 0.958-0.968 |
| Tri | PCB-29 | * | * | n | NotF | 0.96 | * | | 1600 | 2.5 | 0.626 | * | 0.966-0.976 |
| Tri | PCB-26 | 1.97e+05 | 1.06 | y | 28:24 | 1.00 | 2.816 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 5.80e+04 | 1.09 | y | 28:34 | 1.06 | 0.7865 | | * | 2.5 | * | 0.985 | 0.980-0.990 |
| Tri | PCB-31 | 4.23e+05 | 1.06 | y | 28:55 | 1.10 | 5.515 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 9.05e+05 | 1.14 | y | 29:01 | 1.14 | 11.39 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 9.77e+04 | 1.17 | y | 29:41 | 1.00 | 1.404 | | * | 2.5 | * | 1.024 | 1.017-1.027 |
| Tri | PCB-22 | 7.18e+04 | 1.10 | y | 30:05 | 1.09 | 0.9450 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | * | * | n | NotF | 1.15 | * | | 1600 | 2.5 | 0.588 | * | 0.929-0.939 |
| Tri | PCB-39 | * | * | n | NotF | 1.07 | * | | 1600 | 2.5 | 0.632 | * | 0.943-0.953 |
| Tri | PCB-38 | * | * | n | NotF | 1.10 | * | | 1600 | 2.5 | 0.614 | * | 0.966-0.976 |
| Tri | PCB-35 | * | * | n | NotF | 1.12 | * | | 1600 | 2.5 | 0.603 | * | 0.982-0.992 |
| Tri | PCB-37 | 2.54e+05 | 0.94 | y | 32:54 | 1.11 | 3.622 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 4.72e+04 | 0.81 | y | 27:53 | 1.07 | 0.6380 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | * | * | n | NotF | 0.87 | * | | 1690 | 2.5 | 0.575 | * | 1.038-1.048 |
| Tetra | PCB-53 | 6.01e+05 | 0.72 | y | 29:42 | 1.01 | 9.805 | | * | 2.5 | * | 0.945 | 0.940-0.950 |
| Tetra | PCB-51 | 1.90e+05 | 0.80 | y | 30:03 | 1.10 | 2.849 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 5.39e+05 | 0.73 | y | 30:29 | 0.87 | 10.18 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 1.61e+05 | 0.66 | y | 30:58 | 0.84 | 3.173 | | * | 2.5 | * | 0.985 | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/11/18

Reviewed by: CT Date: 4/12/18

Client ID: OWS-ROIS-T171026131614 Filename: 180409E1 S:10 Acq:10-APR-18 03:19:53 ConCal: ST180409E1-1 
Lab ID: 1701560-04 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.978 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 1.89e+06 | 0.76 | y 31:27 | 1.21 | 25.66 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | * | * | n NotF | 1.45 | * | | 1690 | 2.5 | 0.410 | * | 1.000-1.010 |
| Tetra | PCB-43/49 | 1.06e+06 | 0.74 | y 31:44 | 1.01 | 17.21 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 6.65e+05 | 0.74 | y 31:56 | 0.91 | 11.11 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | 3.03e+05 | 0.87 | y 32:03 | 1.13 | 4.047 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | * | * | n NotF | 1.27 | * | | 1690 | 2.5 | 0.444 | * | 1.007-1.017 |
| Tetra | PCB-62 | * | * | n NotF | 1.10 | * | | 1690 | 2.5 | 0.515 | * | 1.011-1.021 |
| Tetra | PCB-44 | 1.46e+06 | 0.82 | y 32:44 | 0.85 | 25.95 | | * | 2.5 | * | 1.026 | 1.020-1.030 |
| Tetra | PCB-42/59 | 6.15e+05 | 0.74 | y 32:58 | 1.02 | 9.126 | | * | 2.5 | * | 1.033 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 1.80e+06 | 0.74 | y 33:33 | 1.17 | 23.33 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 6.16e+04 | 0.76 | y 33:49 | 1.28 | 0.7303 | | * | 2.5 | * | 1.060 | 1.054-1.064 |
| Tetra | PCB-40 | 2.08e+05 | 0.59 | n 34:01 | 0.62 | 5.054 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Tetra | PCB-57 | * | * | n NotF | 1.13 | * | | 1690 | 2.5 | 0.428 | * | 0.965-0.975 |
| Tetra | PCB-67 | 4.49e+04 | 0.98 | n 34:42 | 1.10 | 0.5130 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | * | * | n NotF | 1.12 | * | | 1690 | 2.5 | 0.431 | * | 0.977-0.987 |
| Tetra | PCB-63 | 5.07e+04 | 0.80 | y 34:58 | 1.00 | 0.6388 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Tetra | PCB-74 | 5.40e+05 | 0.80 | y 35:15 | 1.18 | 5.751 | | * | 2.5 | * | 0.994 | 0.989-0.999 |
| Tetra | PCB-61/70 | 6.66e+05 | 0.77 | y 35:28 | 1.03 | 8.162 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 8.49e+05 | 0.74 | y 35:40 | 1.13 | 9.437 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | * | * | n NotF | 1.19 | * | | 1690 | 2.5 | 0.395 | * | 0.995-1.005 |
| Tetra | PCB-55 | * | * | n NotF | 1.16 | * | | 1690 | 2.5 | 0.407 | * | 1.004-1.014 |
| Tetra | PCB-56/60 | 6.88e+05 | 0.77 | y 36:42 | 1.04 | 8.193 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | * | * | n NotF | 1.17 | * | | 1690 | 2.5 | 0.404 | * | 1.047-1.057 |
| Tetra | PCB-78 | * | * | n NotF | 1.10 | * | | 1690 | 2.5 | 0.418 | * | 0.982-0.992 |
| Tetra | PCB-81 | * | * | n NotF | 0.97 | * | | 1690 | 2.5 | 0.477 | * | 0.995-1.005 |
| Tetra | PCB-77 | 7.89e+04 | 0.70 | y 39:34 | 1.08 | 0.8908 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | * | * | n NotF | 1.08 | * | | 1260 | 2.5 | 0.622 | * | 0.996-1.006 |
| Penta | PCB-96 | * | * | n NotF | 1.13 | * | | 1260 | 2.5 | 0.593 | * | 1.034-1.044 |
| Penta | PCB-103 | * | * | n NotF | 0.91 | * | | 1260 | 2.5 | 0.739 | * | 1.051-1.061 |
| Penta | PCB-100 | * | * | n NotF | 0.93 | * | | 1260 | 2.5 | 0.725 | * | 1.062-1.072 |
| Penta | PCB-94 | * | * | n NotF | 0.91 | * | | 1260 | 2.5 | 0.923 | * | 0.981-0.991 |
| Penta | PCB-95/98/102 | 4.16e+05 | 1.61 | y 35:45 | 1.17 | 7.475 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Penta | PCB-93 | * | * | n NotF | 0.93 | * | | 1260 | 2.5 | 0.911 | * | 0.997-1.007 |
| Penta | PCB-88/91 | 9.44e+04 | 1.50 | y 36:10 | 0.97 | 2.041 | | * | 2.5 | * | 1.012 | 1.005-1.015 |
| Penta | PCB-121 | * | * | n NotF | 1.68 | * | | 1260 | 2.5 | 0.502 | * | 1.009-1.019 |
| Penta | PCB-84/92 | 2.18e+05 | 1.36 | y 37:03 | 0.97 | 4.438 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | * | * | n NotF | 1.06 | * | | 1260 | 2.5 | 0.751 | * | 0.990-1.000 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-ROIS-T171026131614 Filename: 180409E1 S:10 Acq:10-APR-18 03:19:53 ConCal: ST180409E1-1 
Lab ID: 1701560-04 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.978 EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 3.67e+05 | 1.64 | y | 37:27 | 1.08 | 6.748 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | * | * | n | NotF¶ | 1.48 | * | | 1260 | 2.5 | 0.541 | * | 1.002-1.012 |
| Penta | PCB-99 | 1.96e+05 | 1.29 | n | 37:46 | 1.25 | 3.087 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | * | * | n | NotF¶ | 1.70 | * | | 1260 | 2.5 | 0.544 | * | 0.982-0.992 |
| Penta | PCB-108/112 | * | * | n | NotF¶ | 1.40 | * | | 1260 | 2.5 | 0.659 | * | 0.986-0.996 |
| Penta | PCB-83 | * | * | n | NotF¶ | 1.75 | * | | 1260 | 2.5 | 0.527 | * | 0.990-1.000 |
| Penta | PCB-97 | 1.33e+05 | 1.33 | y | 38:44 | 1.17 | 2.496 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | * | * | n | NotF¶ | 1.08 | * | | 1260 | 2.5 | 0.854 | * | 0.999-1.009 |
| Penta | PCB-87/117/125 | 1.98e+05 | 2.02 | n | 39:01 | 1.55 | 2.806 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Penta | PCB-111/115 | * | * | n | NotF¶ | 1.79 | * | | 1260 | 2.5 | 0.515 | * | 1.006-1.016 |
| Penta | PCB-85/116 | 8.27e+04 | 1.56 | y | 39:17 | 1.29 | 1.409 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | * | * | n | NotF¶ | 1.98 | * | | 1260 | 2.5 | 0.466 | * | 1.016-1.026 |
| Penta | PCB-110 | 5.67e+05 | 1.51 | y | 39:41 | 1.69 | 7.404 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 4.51e+04 | 0.96 | n | 40:18 | 0.81 | 0.8993 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | * | * | n | NotF¶ | 1.30 | * | | 1260 | 2.5 | 0.491 | * | 0.988-0.998 |
| Penta | PCB-107/109 | * | * | n | NotF¶ | 1.31 | * | | 1260 | 2.5 | 0.485 | * | 0.991-1.001 |
| Penta | PCB-123 | * | * | n | NotF¶ | 1.12 | * | | 1260 | 2.5 | 0.569 | * | 0.996-1.006 |
| Penta | PCB-106/118 | 3.59e+05 | 1.42 | y | 41:29 | 1.18 | 4.712 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-114 | * | * | n | NotF¶ | 1.11 | * | | 1370 | 2.5 | 0.747 | * | 0.995-1.005 |
| Penta | PCB-122 | * | * | n | NotF¶ | 1.03 | * | | 1370 | 2.5 | 0.811 | * | 0.999-1.009 |
| Penta | PCB-105 | 1.63e+05 | 1.71 | y | 43:00 | 1.12 | 2.687 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-127 | * | * | n | NotF¶ | 1.12 | * | | 1370 | 2.5 | 0.644 | * | 0.995-1.005 |
| Penta | PCB-126 | * | * | n | NotF¶ | 1.20 | * | | 1370 | 2.5 | 0.767 | * | 0.995-1.005 |
| Hexa | PCB-155 | * | * | n | NotF¶ | 0.99 | * | | 997 | 2.5 | 0.490 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n | NotF¶ | 1.02 | * | | 997 | 2.5 | 0.472 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n | NotF¶ | 1.16 | * | | 997 | 2.5 | 0.419 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n | NotF¶ | 1.13 | * | | 997 | 2.5 | 0.429 | * | 1.054-1.064 |
| Hexa | PCB-136 | 3.85e+04 | 0.73 | n | 39:29 | 1.02 | 0.6552 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n | NotF¶ | 0.77 | * | | 997 | 2.5 | 0.626 | * | 1.066-1.076 |
| Hexa | PCB-154 | * | * | n | NotF¶ | 0.88 | * | | 997 | 2.5 | 0.553 | * | 1.079-1.089 |
| Hexa | PCB-151 | 3.98e+04 | 1.15 | y | 40:44 | 0.75 | 0.9200 | | * | 2.5 | * | 1.101 | 1.095-1.107 |
| Hexa | PCB-135 | 2.44e+04 | 0.90 | n | 40:56 | 0.86 | 0.4941 | | * | 2.5 | * | 1.107 | 1.101-1.113 |
| Hexa | PCB-144 | * | * | n | NotF¶ | 0.77 | * | | 997 | 2.5 | 0.632 | * | 1.105-1.116 |
| Hexa | PCB-147 | * | * | n | NotF¶ | 0.80 | * | | 997 | 2.5 | 0.602 | * | 1.108-1.120 |
| Hexa | PCB-139/149 | 1.23e+05 | 1.12 | y | 41:26 | 0.88 | 2.432 | | * | 2.5 | * | 1.120 | 1.115-1.127 |
| Hexa | PCB-140 | * | * | n | NotF¶ | 0.77 | * | | 997 | 2.5 | 0.629 | * | 1.120-1.132 |
| Hexa | PCB-134/143 | * | * | n | NotF¶ | 0.76 | * | | 1320 | 2.5 | 0.729 | * | 0.970-0.980 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-ROIS-T171026131614 Filename: 180409E1 S:10 Acq:10-APR-18 03:19:53 ConCal: ST180409E1-1
Lab ID: 1701560-04 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.978 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | * | * | n NotF¶ | 0.82 | * | | 1320 | 2.5 | 0.681 | * | 0.977-0.987 |
| Hexa | PCB-142 | * | * | n NotF¶ | 0.73 | * | | 1320 | 2.5 | 0.762 | * | 0.981-0.991 |
| Hexa | PCB-146/165 | * | * | n NotF¶ | 1.02 | * | | 1320 | 2.5 | 0.547 | * | 0.986-0.996 |
| Hexa | PCB-132/161 | 7.66e+04 | 1.10 | y 43:01 | 1.00 | 1.139 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 2.11e+05 | 1.53 | n 43:10 | 1.08 | 2.922 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | * | * | n NotF¶ | 1.12 | * | | 1320 | 2.5 | 0.499 | * | 1.000-1.010 |
| Hexa | PCB-141 | 3.88e+04 | 2.27 | n 43:54 | 1.02 | 0.6651 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | * | * | n NotF¶ | 1.10 | * | | 1320 | 2.5 | 0.590 | * | 1.004-1.014 |
| Hexa | PCB-130 | * | * | n NotF¶ | 0.81 | * | | 1320 | 2.5 | 0.808 | * | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 2.68e+05 | 1.14 | y 44:45 | 1.23 | 3.560 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | * | * | n NotF¶ | 1.18 | * | | 1320 | 2.5 | 0.530 | * | 1.001-1.011 |
| Hexa | PCB-129 | * | * | n NotF¶ | 0.78 | * | | 1320 | 2.5 | 0.802 | * | 1.007-1.017 |
| Hexa | PCB-166 | * | * | n NotF¶ | 1.13 | * | | 1320 | 2.5 | 0.442 | * | 0.988-0.998 |
| Hexa | PCB-159 | * | * | n NotF¶ | 1.16 | * | | 1320 | 2.5 | 0.431 | * | 0.995-1.005 |
| Hexa | PCB-128/162 | 4.11e+04 | 1.06 | y 46:18 | 0.89 | 0.6129 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Hexa | PCB-167 | * | * | n NotF¶ | 1.02 | * | | 1320 | 2.5 | 0.508 | * | 0.995-1.005 |
| Hexa | PCB-156 | * | * | n NotF¶ | 1.06 | * | | 1320 | 2.5 | 0.492 | * | 0.995-1.005 |
| Hexa | PCB-157 | * | * | n NotF¶ | 1.02 | * | | 1320 | 2.5 | 0.498 | * | 0.996-1.006 |
| Hexa | PCB-169 | * | * | n NotF¶ | 1.13 | * | | 1320 | 2.5 | 0.474 | * | 0.995-1.005 |
| Hepta | PCB-188 | * | * | n NotF¶ | 1.37 | * | | 1100 | 2.5 | 0.292 | * | 0.995-1.005 |
| Hepta | PCB-184 | * | * | n NotF¶ | 1.32 | * | | 1100 | 2.5 | 0.303 | * | 1.006-1.016 |
| Hepta | PCB-179 | * | * | n NotF¶ | 1.38 | * | | 1100 | 2.5 | 0.288 | * | 1.024-1.034 |
| Hepta | PCB-176 | * | * | n NotF¶ | 1.31 | * | | 1100 | 2.5 | 0.305 | * | 1.035-1.045 |
| Hepta | PCB-186 | * | * | n NotF¶ | 1.42 | * | | 1100 | 2.5 | 0.281 | * | 1.049-1.059 |
| Hepta | PCB-178 | * | * | n NotF¶ | 0.97 | * | | 1100 | 2.5 | 0.412 | * | 1.060-1.070 |
| Hepta | PCB-175 | * | * | n NotF¶ | 1.00 | * | | 1100 | 2.5 | 0.400 | * | 1.069-1.079 |
| Hepta | PCB-182/187 | 4.02e+04 | 0.95 | y 46:05 | 1.14 | 0.6837 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | * | * | n NotF¶ | 1.13 | * | | 1100 | 2.5 | 0.354 | * | 1.080-1.090 |
| Hepta | PCB-185 | * | * | n NotF¶ | 1.36 | * | | 1100 | 2.5 | 0.362 | * | 0.950-0.960 |
| Hepta | PCB-174 | 3.59e+04 | 1.64 | n 47:26 | 1.42 | 0.6282 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | * | * | n NotF¶ | 1.48 | * | | 1100 | 2.5 | 0.332 | * | 0.960-0.970 |
| Hepta | PCB-177 | * | * | n NotF¶ | 1.33 | * | | 1100 | 2.5 | 0.369 | * | 0.963-0.973 |
| Hepta | PCB-171 | * | * | n NotF¶ | 1.37 | * | | 1100 | 2.5 | 0.358 | * | 0.969-0.979 |
| Hepta | PCB-173 | * | * | n NotF¶ | 1.27 | * | | 1100 | 2.5 | 0.387 | * | 0.978-0.988 |
| Hepta | PCB-172 | * | * | n NotF¶ | 1.39 | * | | 1100 | 2.5 | 0.354 | * | 0.987-0.997 |
| Hepta | PCB-192 | * | * | n NotF¶ | 1.80 | * | | 1100 | 2.5 | 0.272 | * | 0.991-1.001 |
| Hepta | PCB-180 | 8.27e+04 | 1.19 | y 49:17 | 1.52 | 1.350 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-ROIS-T171026131614 Filename: 180409E1 S:10 Acq:10-APR-18 03:19:53 ConCal: ST180409E1-1 
Lab ID: 1701560-04 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.978 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | * | * | n NotF┐ | 1.71 | * | | 1100 | 2.5 | 0.288 | * | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n NotF┐ | 1.74 | * | | 1100 | 2.5 | 0.282 | * | 1.005-1.015 |
| Hepta | PCB-170 | * | * | n NotF┐ | 1.44 | * | | 1100 | 2.5 | 0.378 | * | 0.995-1.005 |
| Hepta | PCB-190 | * | * | n NotF┐ | 1.95 | * | | 1100 | 2.5 | 0.277 | * | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n NotF┐ | 1.46 | * | | 1100 | 2.5 | 0.246 | * | 0.995-1.005 |
| Octa | PCB-202 | * | * | n NotF┐ | 1.06 | * | | 1150 | 2.5 | 0.468 | * | 0.995-1.005 |
| Octa | PCB-201 | * | * | n NotF┐ | 0.98 | * | | 1150 | 2.5 | 0.507 | * | 1.006-1.016 |
| Octa | PCB-204 | * | * | n NotF┐ | 1.07 | * | | 1150 | 2.5 | 0.463 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n NotF┐ | 1.10 | * | | 1150 | 2.5 | 0.451 | * | 1.015-1.025 |
| Octa | PCB-200 | * | * | n NotF┐ | 1.04 | * | | 1150 | 2.5 | 0.476 | * | 1.034-1.044 |
| Octa | PCB-198 | * | * | n NotF┐ | 0.84 | * | | 1150 | 2.5 | 0.590 | * | 1.065-1.075 |
| Octa | PCB-199 | * | * | n NotF┐ | 0.80 | * | | 1150 | 2.5 | 0.620 | * | 1.067-1.077 |
| Octa | PCB-196/203 | * | * | n NotF┐ | 0.84 | * | | 1150 | 2.5 | 0.589 | * | 1.072-1.082 |
| Octa | PCB-195 | * | * | n NotF┐ | 1.04 | * | | 1010 | 2.5 | 0.421 | * | 0.979-0.989 |
| Octa | PCB-194 | 3.67e+04 | 0.90 | y 54:05 | 1.16 | 0.8122 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | * | * | n NotF┐ | 1.33 | * | | 1010 | 2.5 | 0.329 | * | 1.000-1.010 |
| Nona | PCB-208 | * | * | n NotF┐ | 0.90 | * | | 889 | 2.5 | 0.268 | * | 0.995-1.005 |
| Nona | PCB-207 | * | * | n NotF┐ | 0.89 | * | | 889 | 2.5 | 0.271 | * | 1.001-1.011 |
| Nona | PCB-206 | * | * | n NotF┐ | 0.88 | * | | 889 | 2.5 | 0.344 | * | 0.995-1.005 |
| Deca | PCB-209 | * | * | n NotF┐ | 1.04 | * | | 973 | 2.5 | 0.411 | * | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-ROIS-T171026131614 Filename: 180409E1 S:10 Acq:10-APR-18 03:19:53 ConCal: ST180409E1-1
Lab ID: 1701560-04 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.978 EndCAL: NA

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | * | * | n | NotFnd | 1.06 | * | |
| Total Di-PCB | 5.45e+06 | 1.53 | y | 19:59 | 1.04 | 137.268 | |
| Total Tri-PCB | 7.43e+06 | 1.02 | y | 24:08 | 1.15 | 122.341 | |
| Total Tri-PCB | 2.01e+06 | 1.06 | y | 28:24 | 1.05 | 26.4822 | Sum:148.823 |
| Total Tetra-PCB | 1.23e+07 | 0.81 | y | 27:53 | 1.06 | 176.875 | |
| Total Penta-PCB | 2.24e+06 | 1.61 | y | 35:45 | 1.18 | 36.7230 | |
| Total Penta-PCB | 1.63e+05 | 1.71 | y | 43:00 | 1.12 | 2.68712 | Sum:39.4102 |
| Total Hexa-PCB | 1.63e+05 | 1.15 | y | 40:44 | 0.91 | 3.35215 | |
| Total Hexa-PCB | 3.86e+05 | 1.10 | y | 43:01 | 1.00 | 5.31280 | Sum:8.66495 |
| Total Hepta-PCB | 1.23e+05 | 0.95 | y | 46:05 | 1.35 | 2.03352 | |
| Total Octa-PCB | * | * | n | NotFnd | 0.95 | * | |
| Total Octa-PCB | 3.67e+04 | 0.90 | y | 54:05 | 1.17 | 0.812221 | Sum:0.812221 |
| Total Nona-PCB | * | * | n | NotFnd | 0.89 | * | |
| Total Deca-PCB | * | * | n | NotFnd | 1.04 | * | |

Total PCB Conc:531.610208000

Integrations by Analyst: DB

Date: 4/11/18

Client ID: OWS-ROIS-T171026131614 Filename: 180409E1 S:10 Acq:10-APR-18 03:19:53 ConCal: ST180409E1-1
Lab ID: 1701560-04 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:0.9780 EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 7.72e+07 | 3.12 y | 1.13 | 15:59 | 0.618 | 0.616 | 0.622 | 635 | 31.1 |
| 13C-PCB-3 | 8.88e+07 | 3.21 y | 1.21 | 18:37 | 0.720 | 0.716 | 0.724 | 682 | 33.4 |
| 13C-PCB-4 | 6.57e+07 | 1.53 y | 0.59 | 19:57 | 0.772 | 0.769 | 0.777 | 1030 | 50.3 |
| 13C-PCB-9 | 1.21e+08 | 1.53 y | 0.94 | 21:45 | 0.841 | 0.837 | 0.845 | 1200 | 58.5 |
| 13C-PCB-11 | 1.43e+08 | 1.56 y | 0.95 | 25:08 | 0.972 | 0.968 | 0.978 | 1410 | 68.8 |
| 13C-PCB-19 | 8.33e+07 | 1.06 y | 0.62 | 24:07 | 0.933 | 0.928 | 0.938 | 1240 | 60.7 |
| 13C-PCB-28 | 1.43e+08 | 1.10 y | 1.05 | 29:00 | 1.004 | 0.999 | 1.009 | 1660 | 81.0 |
| 13C-PCB-32 | 1.41e+08 | 1.06 y | 0.91 | 27:03 | 1.046 | 1.041 | 1.051 | 1450 | 70.7 |
| 13C-PCB-37 | 1.29e+08 | 1.10 y | 1.02 | 32:53 | 1.138 | 1.132 | 1.144 | 1540 | 75.2 |
| 13C-PCB-47 | 1.35e+08 | 0.80 y | 0.83 | 31:55 | 0.870 | 0.867 | 0.875 | 1590 | 77.5 |
| 13C-PCB-52 | 1.24e+08 | 0.79 y | 0.76 | 31:26 | 0.857 | 0.853 | 0.861 | 1590 | 77.8 |
| 13C-PCB-54 | 1.41e+08 | 0.79 y | 0.93 | 27:52 | 0.760 | 0.756 | 0.764 | 1490 | 72.7 |
| 13C-PCB-70 | 1.62e+08 | 0.79 y | 1.00 | 35:27 | 0.967 | 0.961 | 0.971 | 1590 | 77.8 |
| 13C-PCB-77 | 1.67e+08 | 0.79 y | 0.96 | 39:33 | 1.079 | 1.073 | 1.083 | 1710 | 83.5 |
| 13C-PCB-80 | 1.65e+08 | 0.79 y | 1.00 | 35:53 | 0.979 | 0.973 | 0.983 | 1620 | 79.2 |
| 13C-PCB-81 | 1.75e+08 | 0.80 y | 1.01 | 38:58 | 1.063 | 1.057 | 1.067 | 1700 | 83.1 |
| 13C-PCB-95 | 9.71e+07 | 1.57 y | 0.80 | 35:45 | 0.913 | 0.908 | 0.918 | 1550 | 76.0 |
| 13C-PCB-97 | 9.29e+07 | 1.59 y | 0.70 | 38:44 | 0.989 | 0.984 | 0.994 | 1700 | 83.2 |
| 13C-PCB-101 | 1.03e+08 | 1.60 y | 0.80 | 37:26 | 0.956 | 0.951 | 0.961 | 1650 | 80.9 |
| 13C-PCB-104 | 1.20e+08 | 1.58 y | 1.01 | 32:35 | 0.832 | 0.828 | 0.836 | 1530 | 75.0 |
| 13C-PCB-105 | 1.11e+08 | 1.59 y | 1.14 | 42:59 | 0.929 | 0.924 | 0.934 | 1470 | 72.0 |
| 13C-PCB-114 | 1.11e+08 | 1.57 y | 1.18 | 42:08 | 0.911 | 0.905 | 0.915 | 1430 | 70.1 |
| 13C-PCB-118 | 1.32e+08 | 1.59 y | 1.00 | 41:28 | 1.059 | 1.054 | 1.064 | 1700 | 83.3 |
| 13C-PCB-123 | 1.27e+08 | 1.57 y | 0.95 | 41:17 | 1.054 | 1.049 | 1.059 | 1730 | 84.5 |
| 13C-PCB-126 | 1.05e+08 | 1.61 y | 1.14 | 45:13 | 0.977 | 0.972 | 0.982 | 1400 | 68.5 |
| 13C-PCB-127 | 1.25e+08 | 1.59 y | 1.24 | 43:20 | 0.937 | 0.931 | 0.941 | 1520 | 74.6 |
| 13C-PCB-138 | 1.25e+08 | 1.25 y | 1.17 | 44:43 | 0.966 | 0.962 | 0.972 | 1620 | 79.0 |
| 13C-PCB-141 | 1.17e+08 | 1.27 y | 1.11 | 43:53 | 0.948 | 0.944 | 0.954 | 1610 | 78.7 |
| 13C-PCB-153 | 1.37e+08 | 1.27 y | 1.34 | 43:09 | 0.933 | 0.928 | 0.938 | 1560 | 76.2 |
| 13C-PCB-155 | 1.18e+08 | 1.27 y | 0.83 | 36:59 | 0.944 | 0.939 | 0.949 | 1830 | 89.4 |
| 13C-PCB-156 | 1.52e+08 | 1.29 y | 1.38 | 47:58 | 1.037 | 1.032 | 1.042 | 1670 | 81.7 |
| 13C-PCB-157 | 1.54e+08 | 1.27 y | 1.37 | 48:15 | 1.043 | 1.037 | 1.047 | 1700 | 83.2 |
| 13C-PCB-159 | 1.54e+08 | 1.25 y | 1.39 | 46:00 | 0.994 | 0.989 | 0.999 | 1690 | 82.4 |
| 13C-PCB-167 | 1.53e+08 | 1.27 y | 1.40 | 46:42 | 1.009 | 1.004 | 1.014 | 1660 | 81.3 |
| 13C-PCB-169 | 1.48e+08 | 1.28 y | 1.39 | 50:27 | 1.090 | 1.085 | 1.095 | 1620 | 79.3 |
| 13C-PCB-170 | 7.23e+07 | 0.46 y | 0.86 | 50:52 | 1.103 | 1.097 | 1.109 | 1720 | 83.9 |
| 13C-PCB-180 | 8.27e+07 | 0.46 y | 0.98 | 49:16 | 1.069 | 1.064 | 1.074 | 1720 | 84.3 |
| 13C-PCB-188 | 1.05e+08 | 0.45 y | 1.40 | 42:46 | 0.928 | 0.923 | 0.933 | 1530 | 75.0 |
| 13C-PCB-189 | 9.86e+07 | 0.45 y | 1.15 | 52:29 | 1.138 | 1.132 | 1.144 | 1750 | 85.6 |
| 13C-PCB-194 | 7.99e+07 | 0.91 y | 0.77 | 54:04 | 0.995 | 0.990 | 1.000 | 1650 | 80.6 |
| 13C-PCB-202 | 1.15e+08 | 0.91 y | 1.28 | 48:11 | 1.045 | 1.040 | 1.050 | 1820 | 89.1 |
| 13C-PCB-206 | 9.87e+07 | 0.77 y | 0.81 | 55:38 | 1.024 | 1.019 | 1.029 | 1940 | 94.9 |
| 13C-PCB-208 | 1.24e+08 | 0.78 y | 1.09 | 53:19 | 0.981 | 0.977 | 0.987 | 1800 | 88.0 |
| 13C-PCB-209 | 1.05e+08 | 1.19 y | 0.74 | 56:56 | 1.048 | 1.043 | 1.053 | 2260 | 110 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.92e+08 | 0.78 y | 1.03 | 37:45 | 1.030 | 1.024 | 1.034 | 1820 | 88.8 |
| 13C-PCB-178 | 8.42e+07 | 0.45 y | 0.93 | 45:34 | 0.985 | 0.980 | 0.990 | 1850 | 90.5 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.92e+08 | 0.78 y | 1.03 | 37:45 | 0.969 | 0.963 | 0.973 | 2190 | 107 |
| 13C-PCB-178 | 8.42e+07 | 0.45 y | 0.95 | 45:34 | 0.925 | 0.920 | 0.930 | 2190 | 107 |

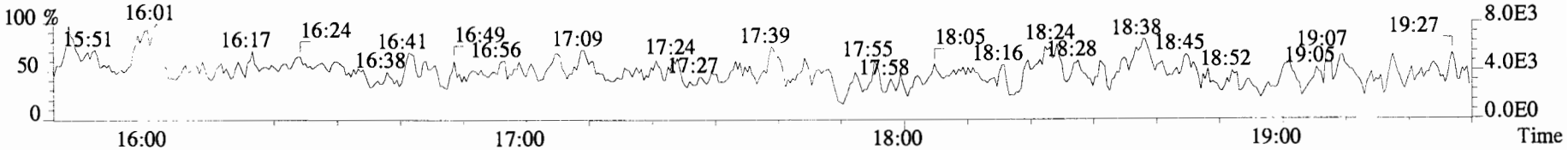
RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 2.20e+08 | 1.52 y | 1.00 | 25:51 | 2050 |
| 13C-PCB-31 | 1.68e+08 | 1.08 y | 1.00 | 28:53 | 2050 |
| 13C-PCB-60 | 2.09e+08 | 0.79 y | 1.00 | 36:40 | 2050 |
| 13C-PCB-111 | 1.59e+08 | 1.57 y | 1.00 | 39:10 | 2050 |
| 13C-PCB-128 | 1.34e+08 | 1.25 y | 1.00 | 46:16 | 2050 |
| 13C-PCB-182 | 1.00e+08 | 0.45 y | 1.00 | 46:06 | 2050 |
| 13C-PCB-205 | 1.29e+08 | 0.91 y | 1.00 | 54:20 | 2050 |

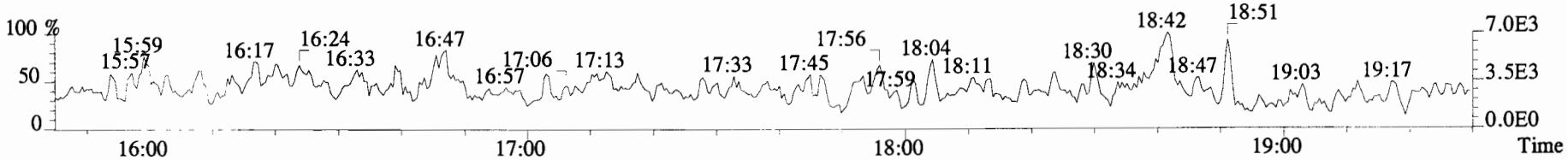
Analyst: DB

Date: 4/11/18

File:180409E1 #1-866 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
188.0393 S:10 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5172.0,0.00%,F,F)

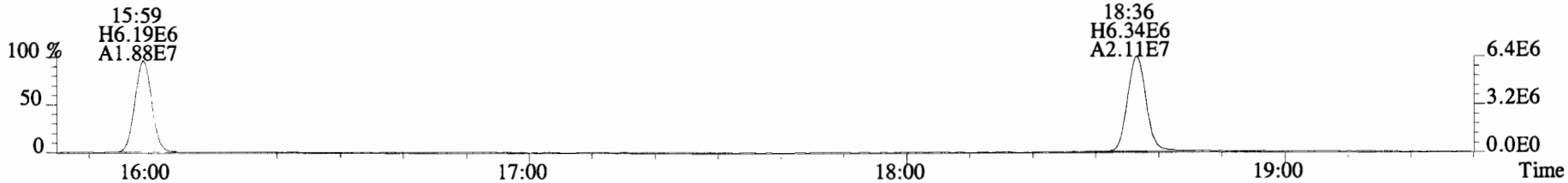



190.0363 S:10 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3840.0,0.00%,F,F)

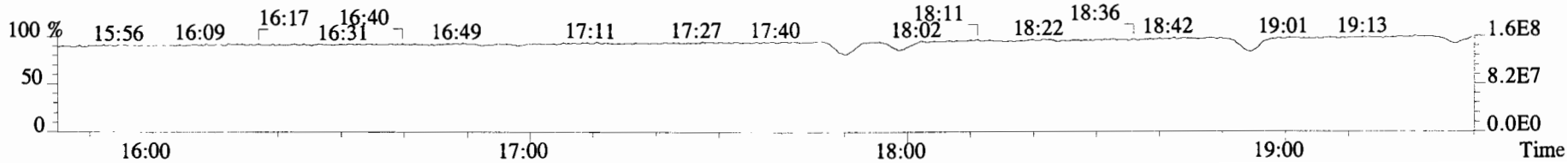



200.0795 S:10 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6392.0,0.00%,F,F)

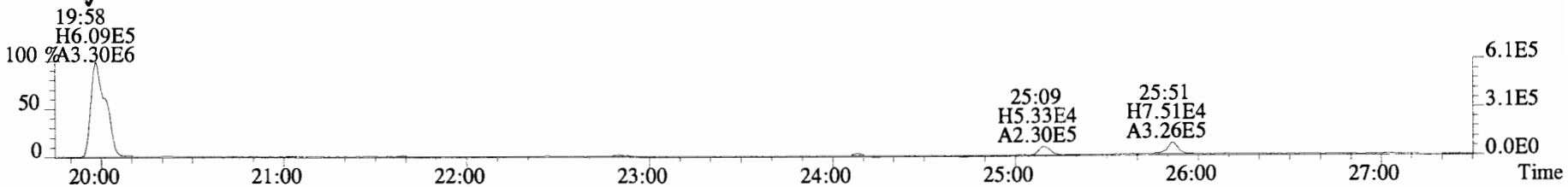
202.0766 S:10 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31280.0,0.00%,F,F)



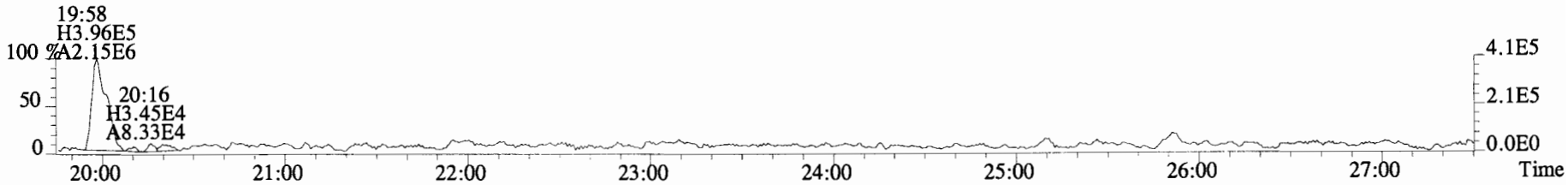

180.9880 S:10



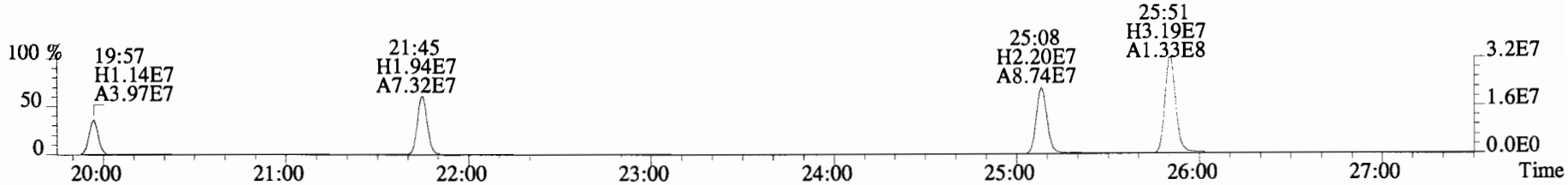
File:180409E1 #1-758 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
222.0003 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3932.0,0.00%,F,F)



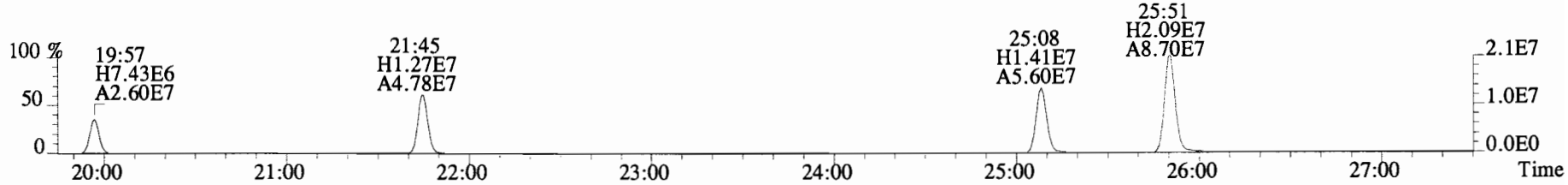

223.9974 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43440.0,0.00%,F,F)



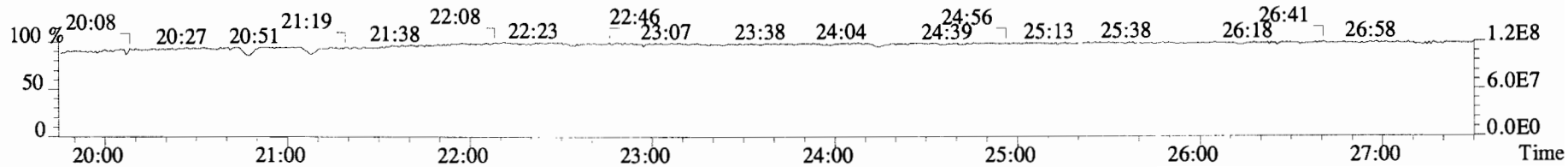

234.0406 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4220.0,0.00%,F,F)



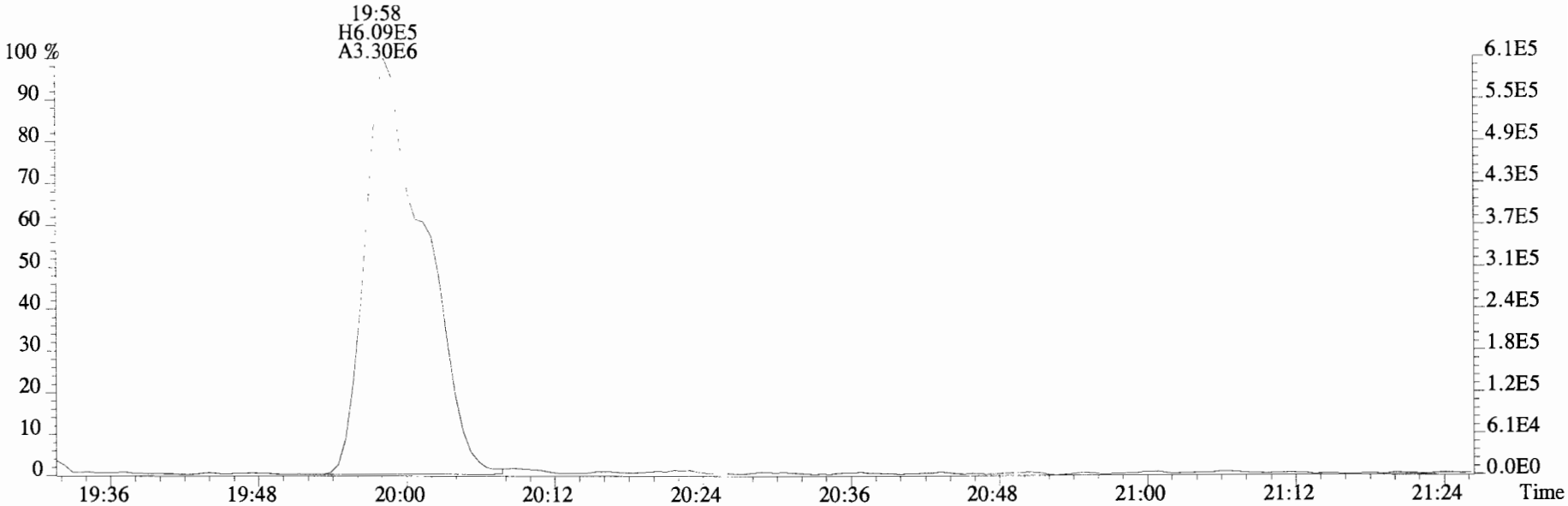

236.0376 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3228.0,0.00%,F,F)



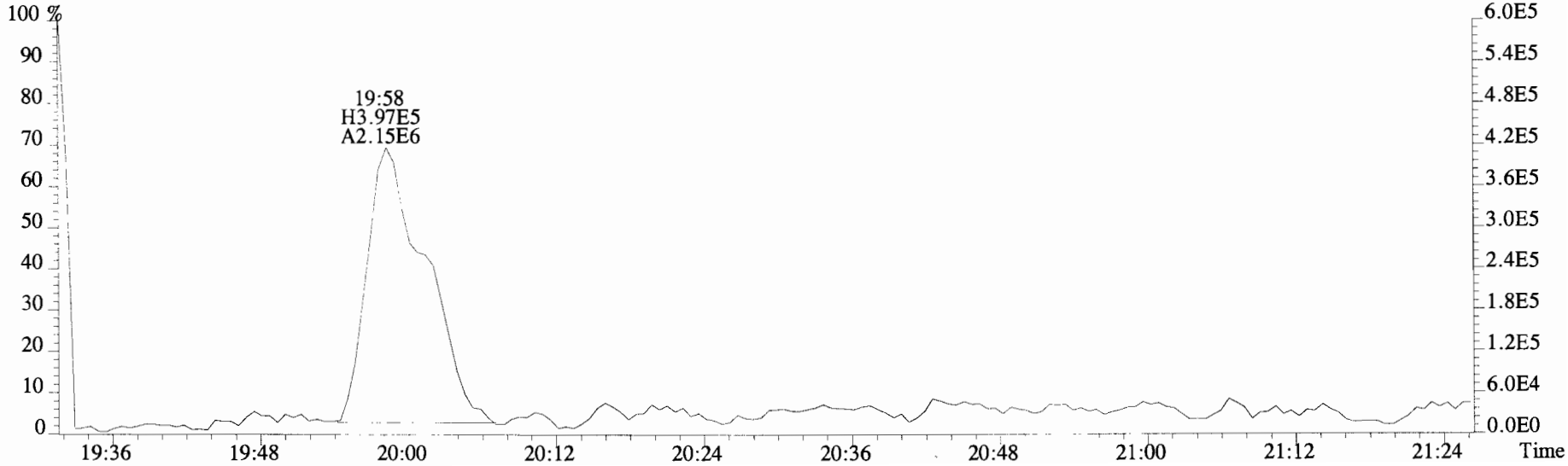

230.9856 S:10 F:2



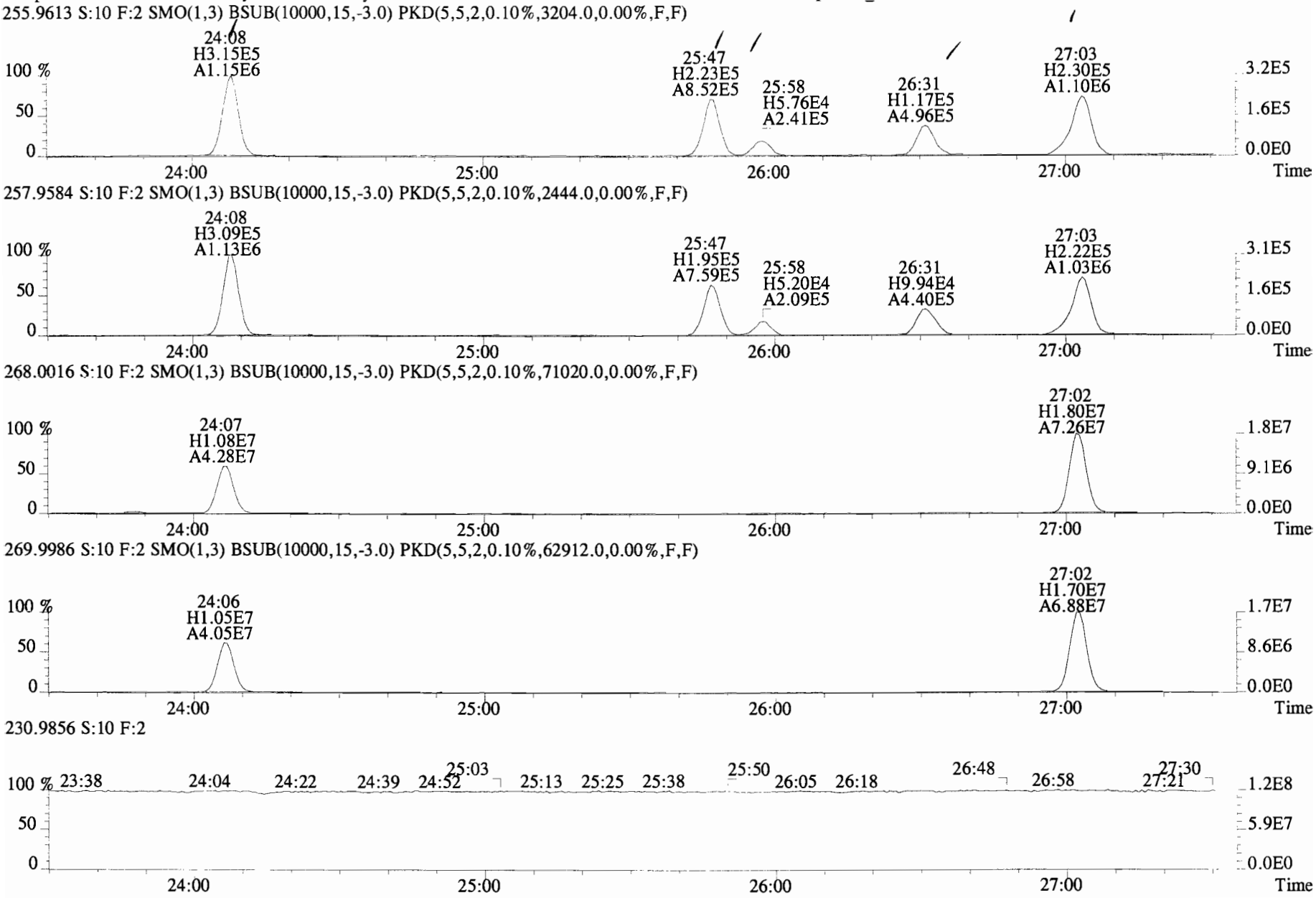
File:180409E1 #1-758 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
222.0003 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3932.0,0.00%,F,F)



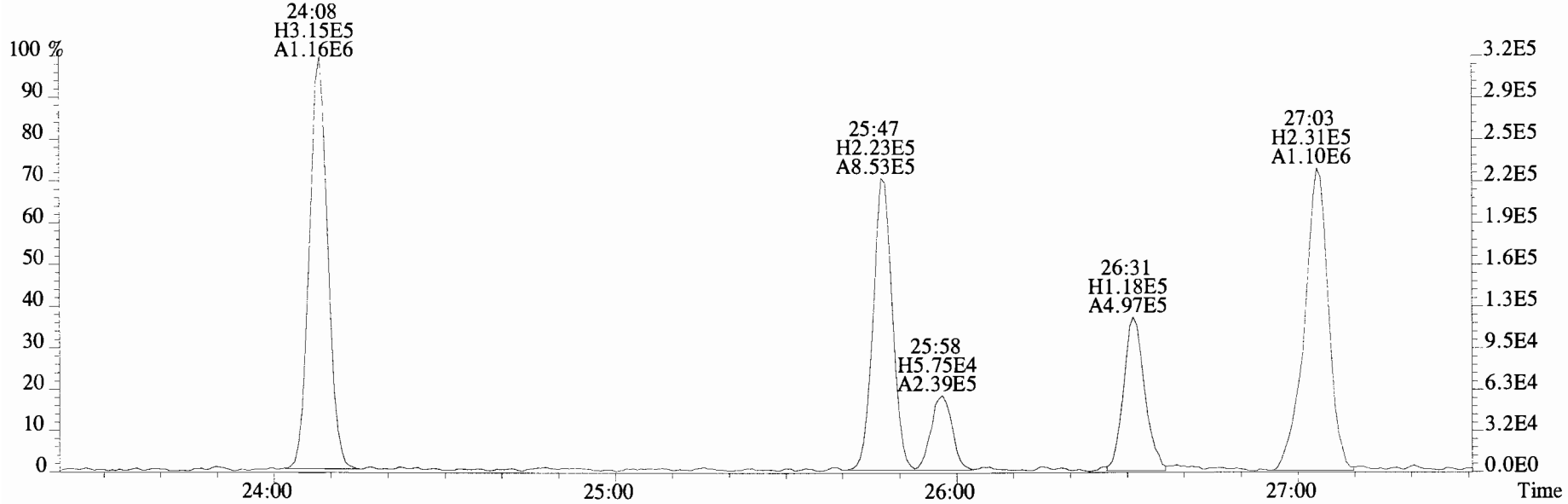

223.9974 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43440.0,0.00%,F,F)



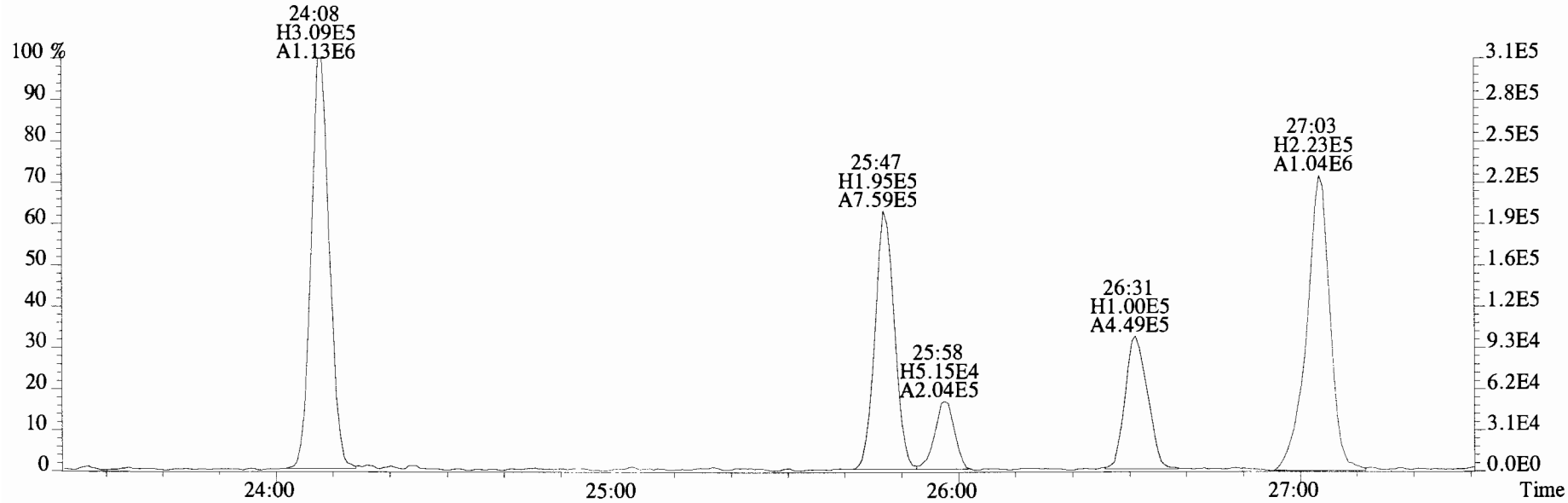
File:180409E1 #1-758 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1



File:180409E1 #1-758 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
255.9613 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3204.0,0.00%,F,F)

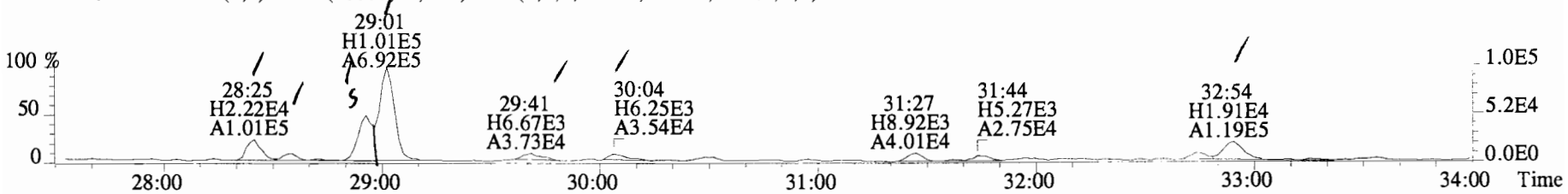



257.9584 S:10 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)

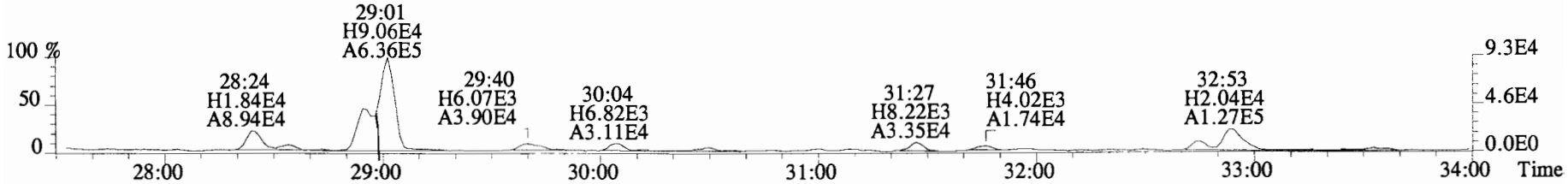


File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

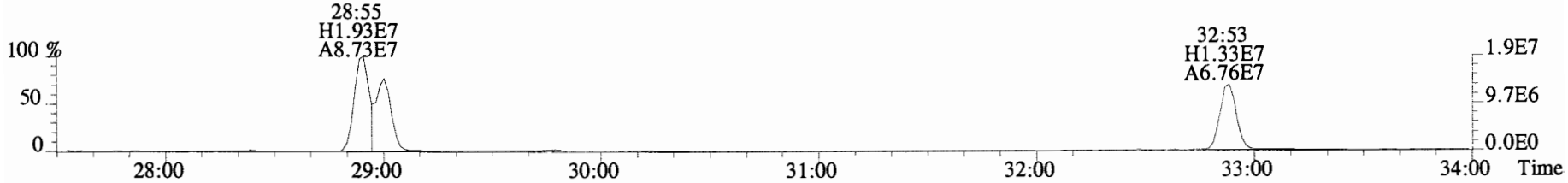
255.9613 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3384.0,0.00%,F,F)



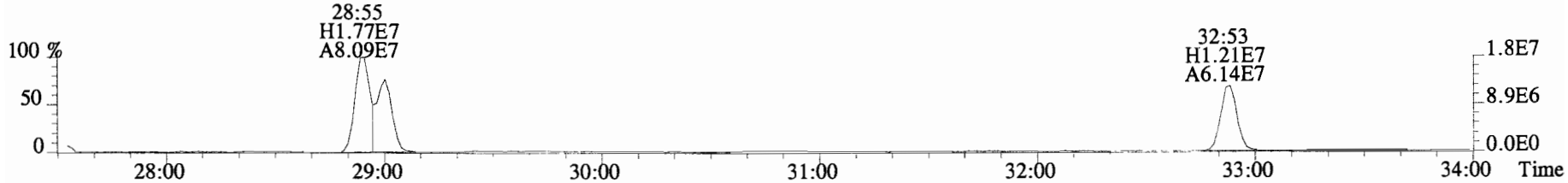

257.9584 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2928.0,0.00%,F,F)



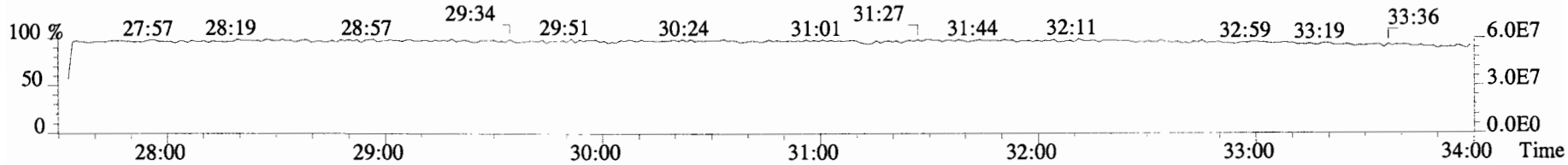

268.0016 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,98820.0,0.00%,F,F)



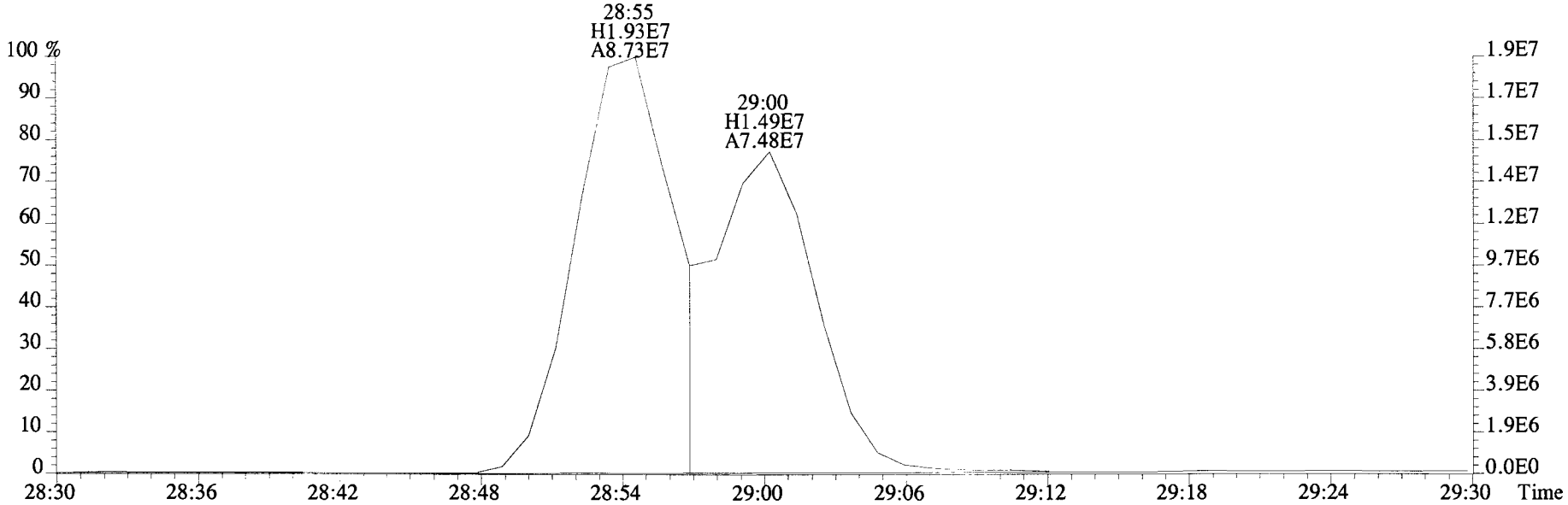

269.9986 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,204920.0,0.00%,F,F)



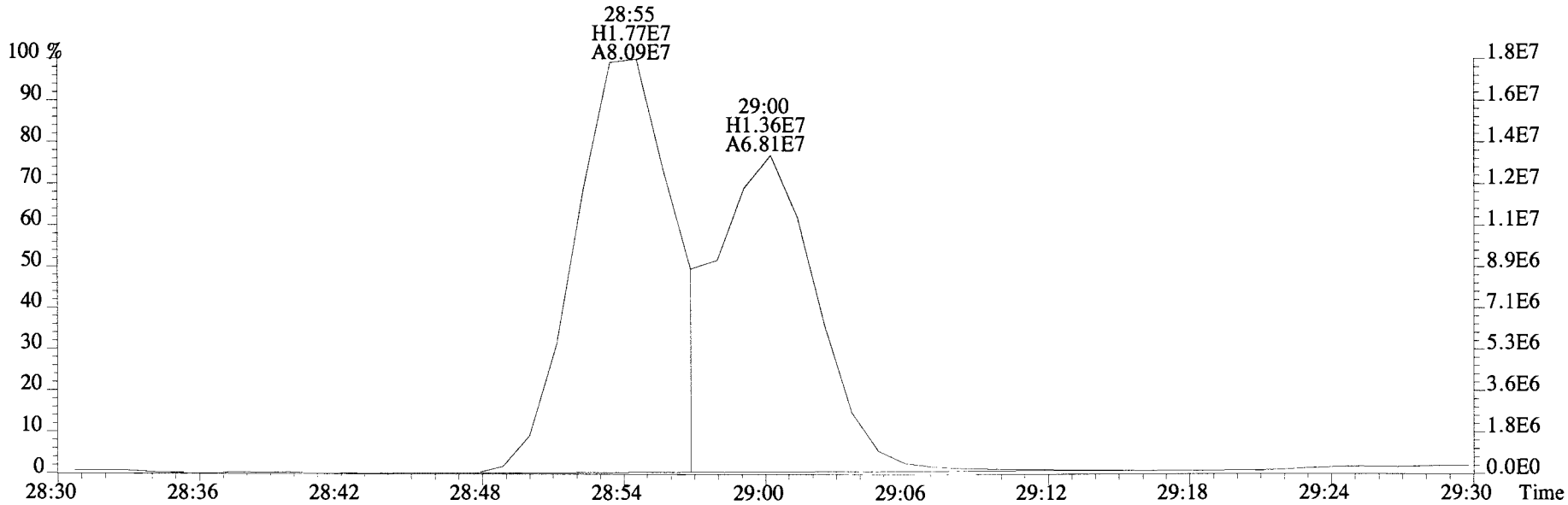

330.9792 S:10 F:3



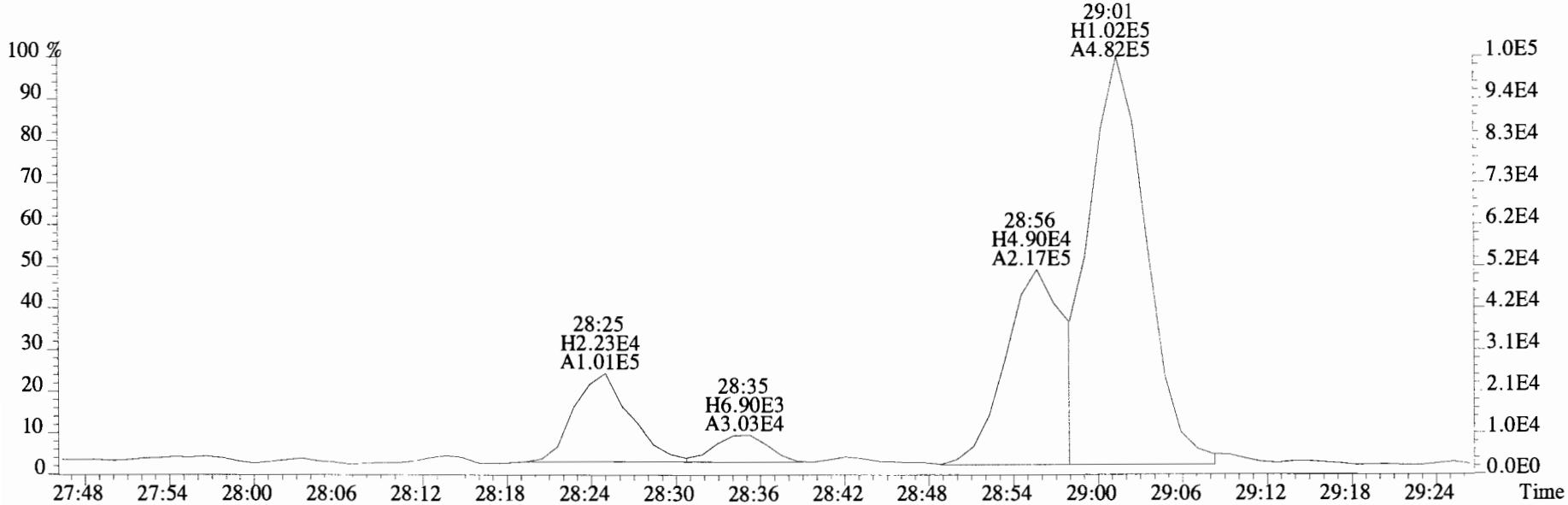
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
268.0016 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,98820.0,0.00%,F,F)



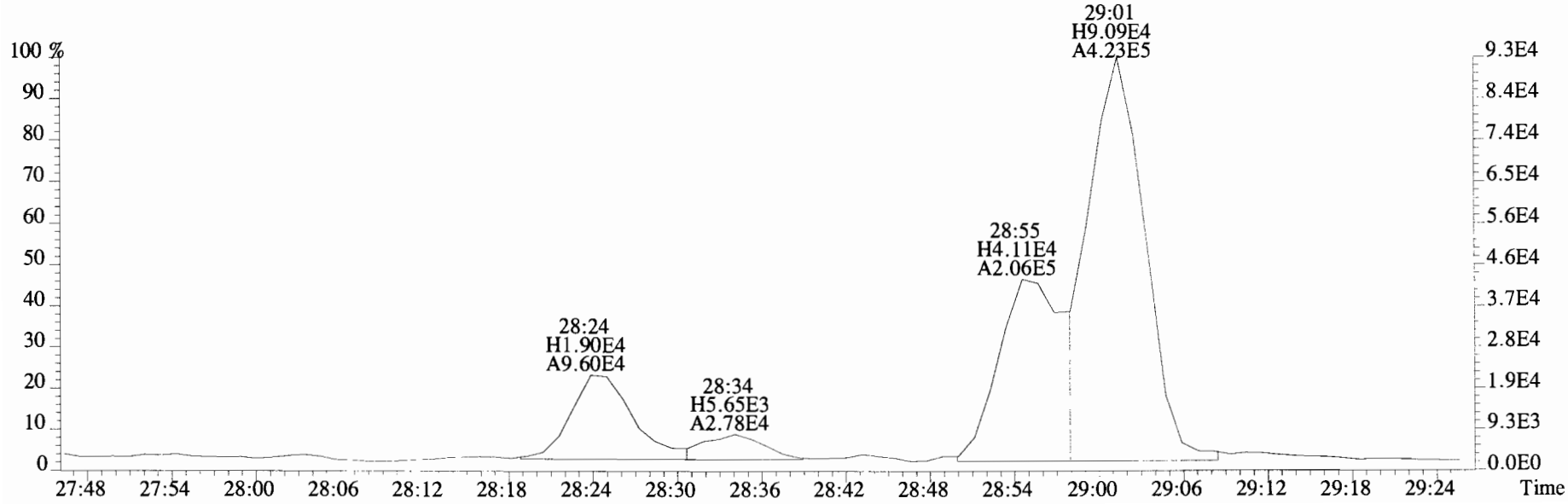

269.9986 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,204920.0,0.00%,F,F)



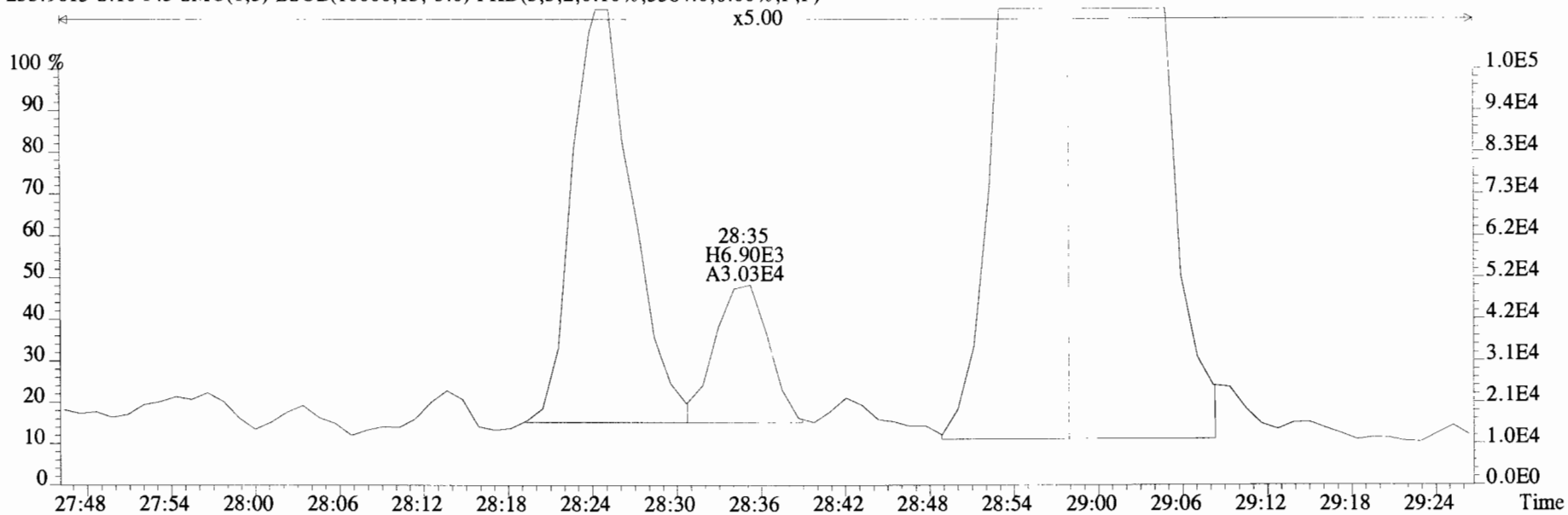
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
255.9613 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3384.0,0.00%,F,F)



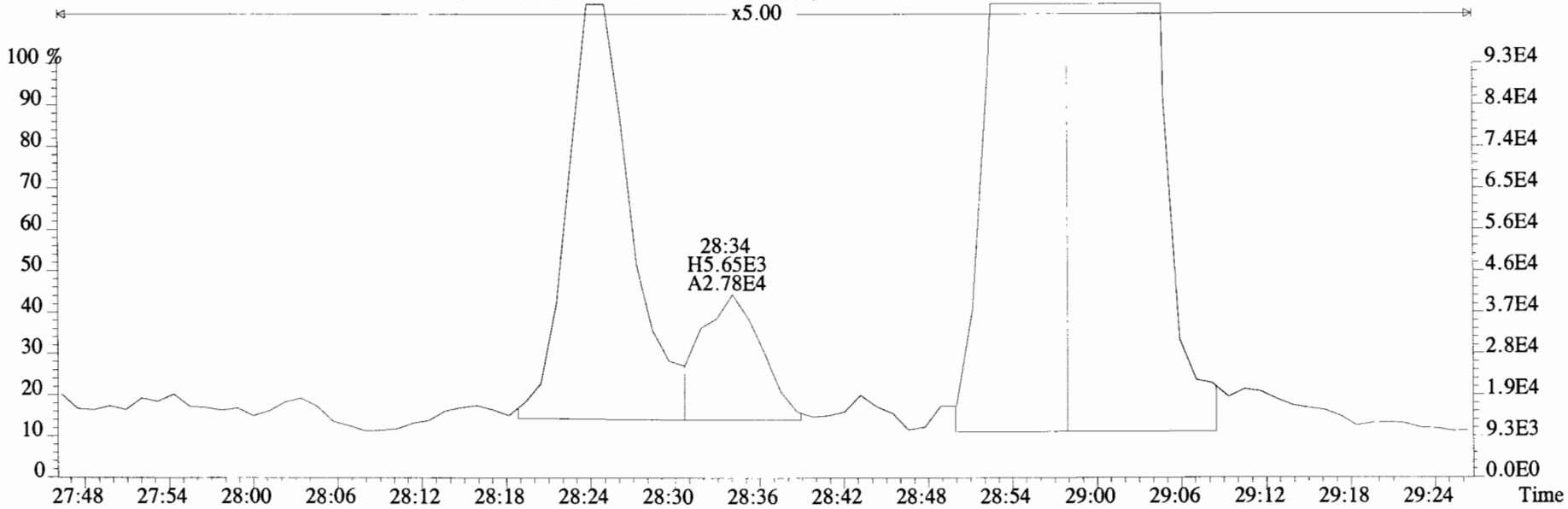

257.9584 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2928.0,0.00%,F,F)



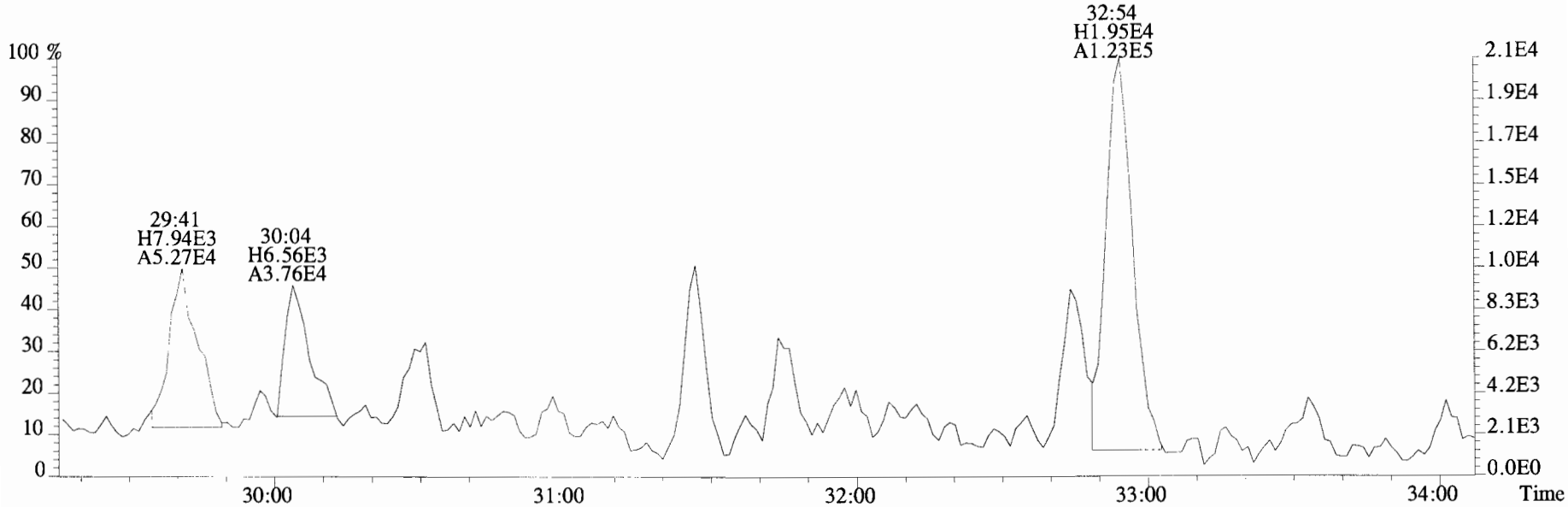
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
255.9613 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3384.0,0.00%,F,F)



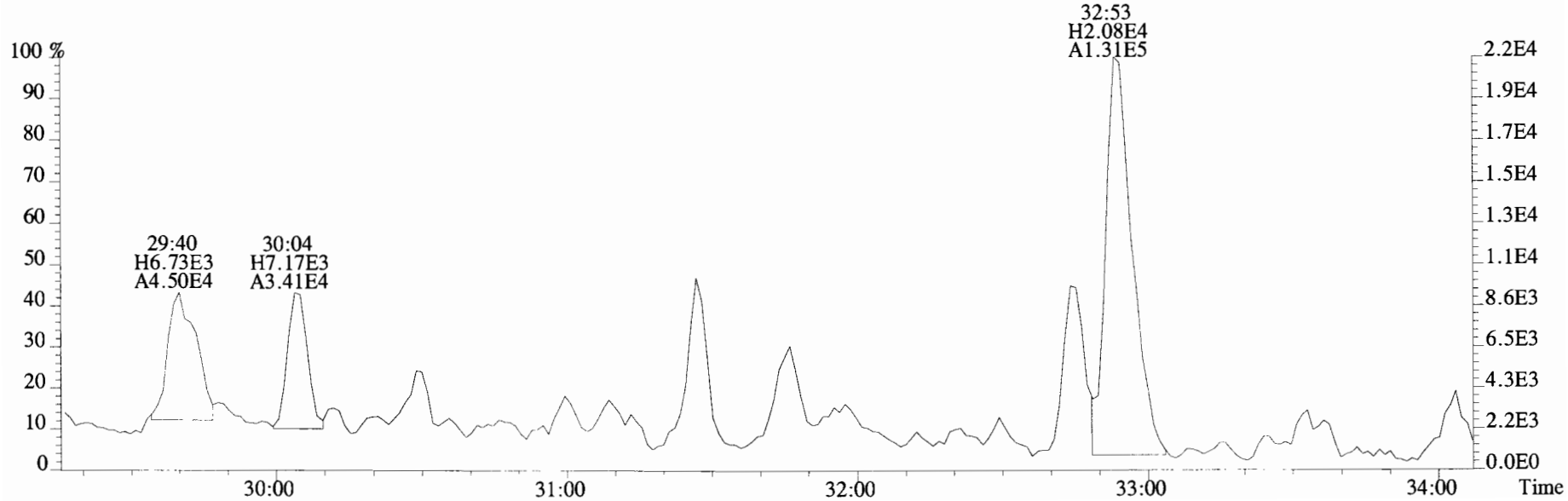

257.9584 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2928.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
255.9613 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3384.0,0.00%,F,F)

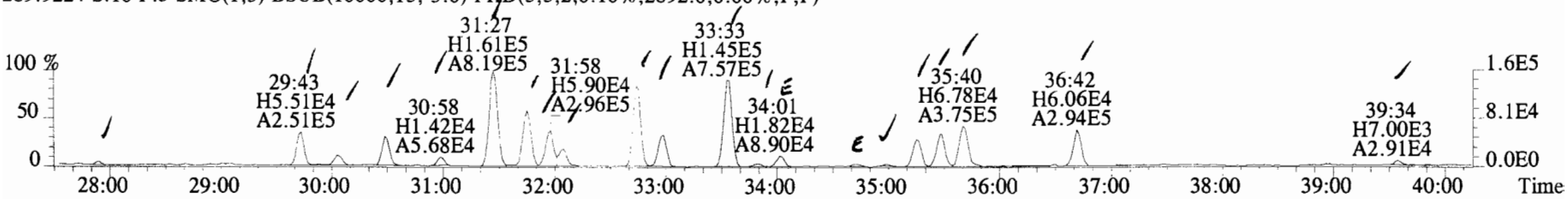



257.9584 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2928.0,0.00%,F,F)

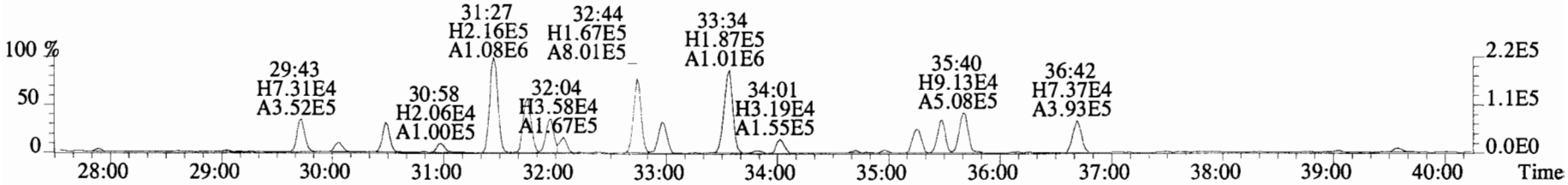


File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

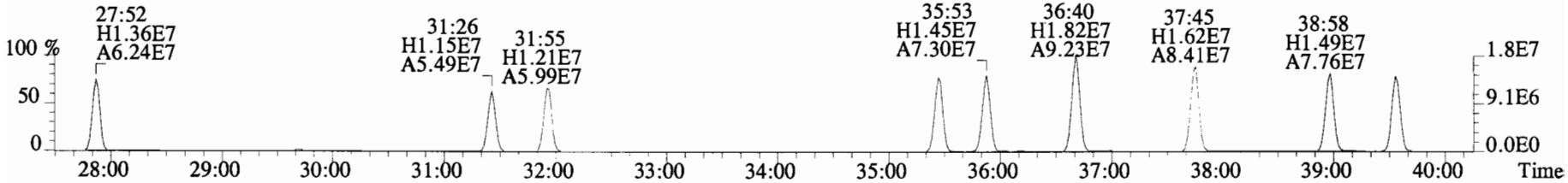
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



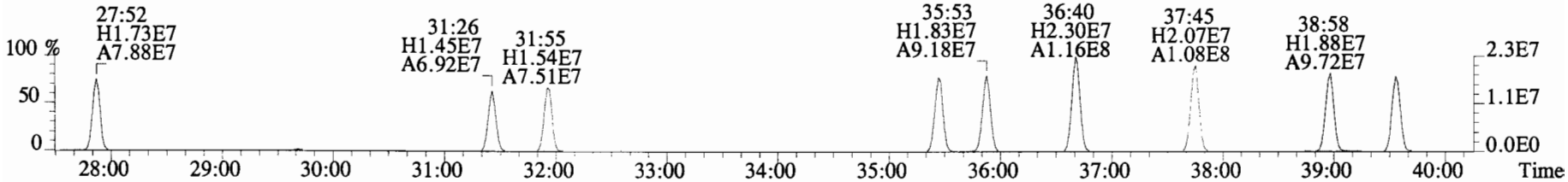

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



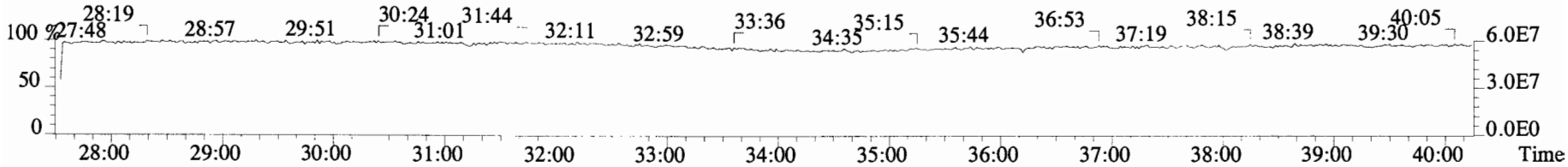

301.9626 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33176.0,0.00%,F,F)



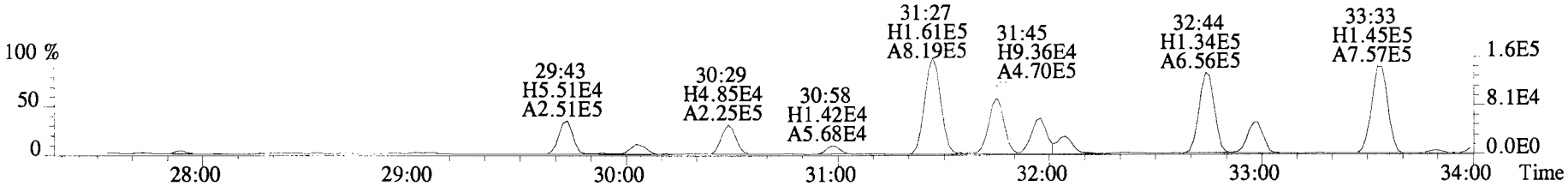

303.9597 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23032.0,0.00%,F,F)



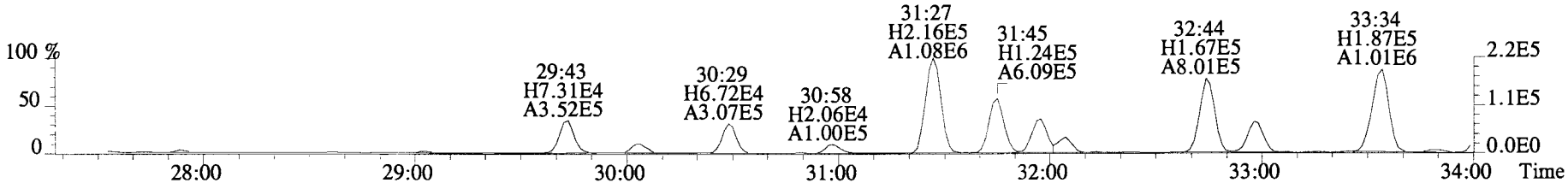

330.9792 S:10 F:3



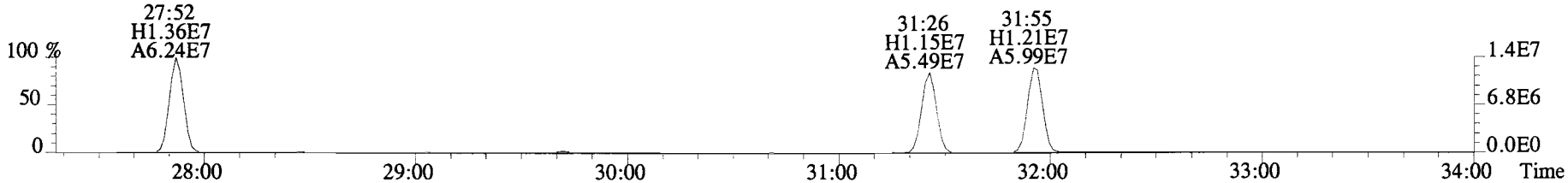
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



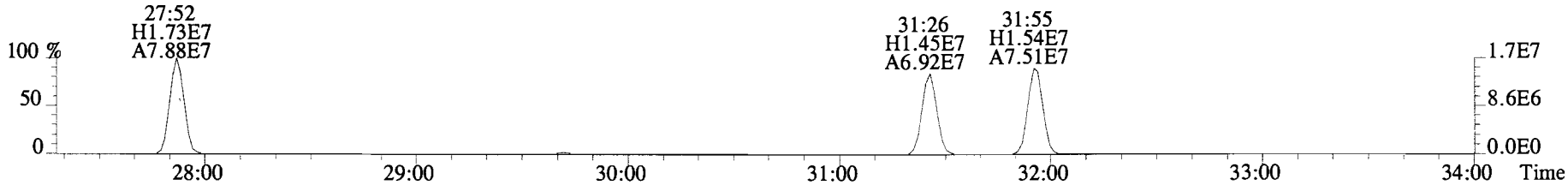

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



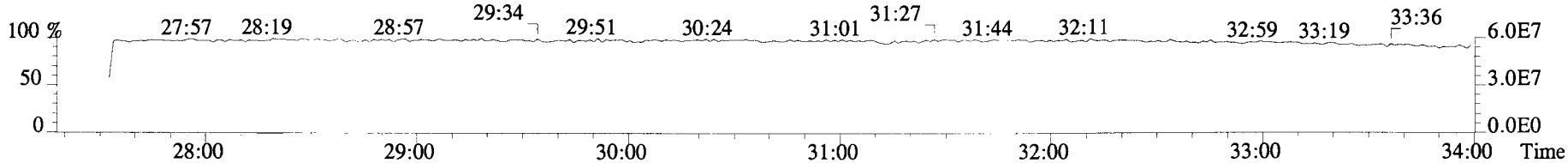

301.9626 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33176.0,0.00%,F,F)




303.9597 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23032.0,0.00%,F,F)

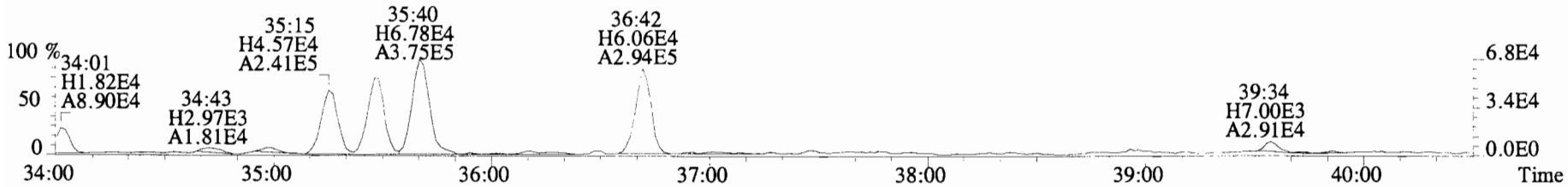



330.9792 S:10 F:3

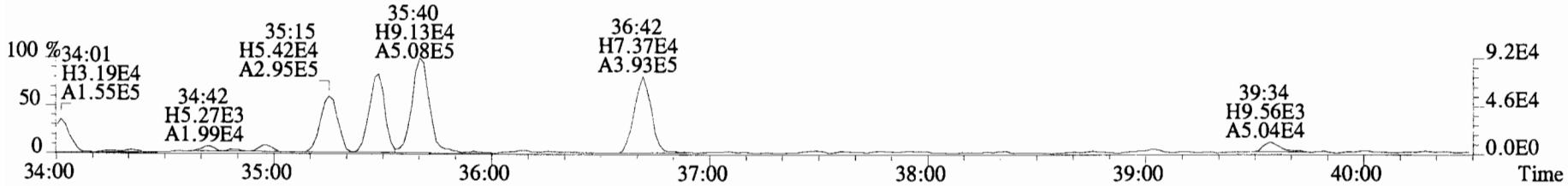


File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

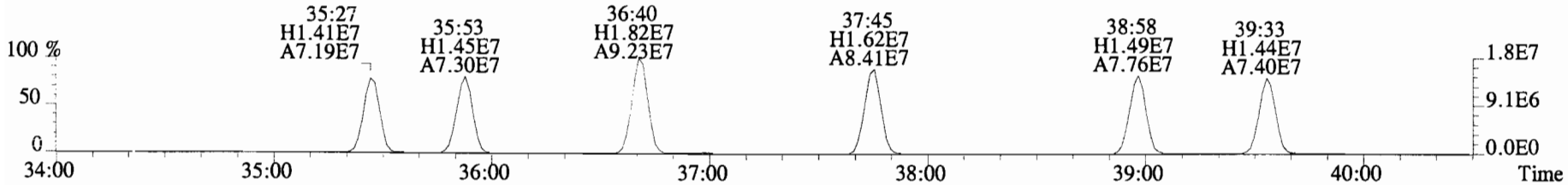
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



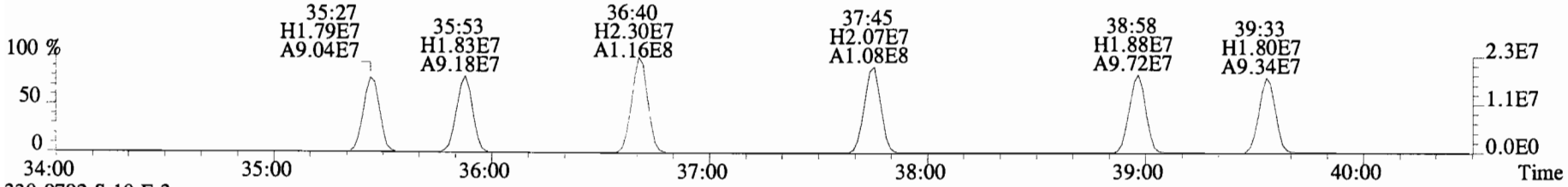

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



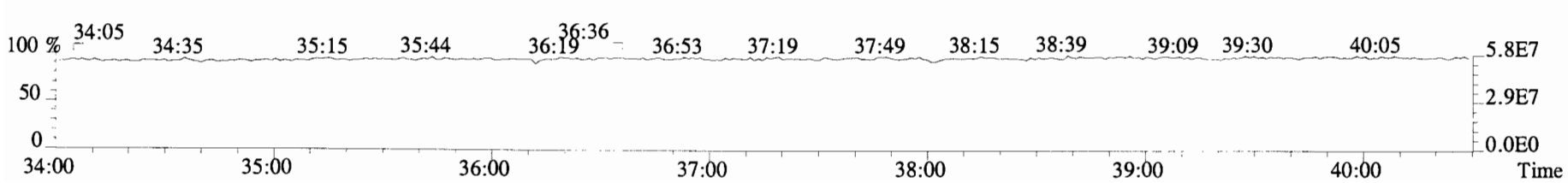

301.9626 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33176.0,0.00%,F,F)



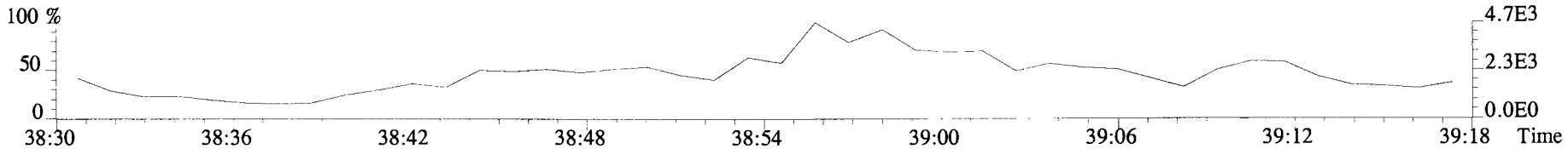

303.9597 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23032.0,0.00%,F,F)



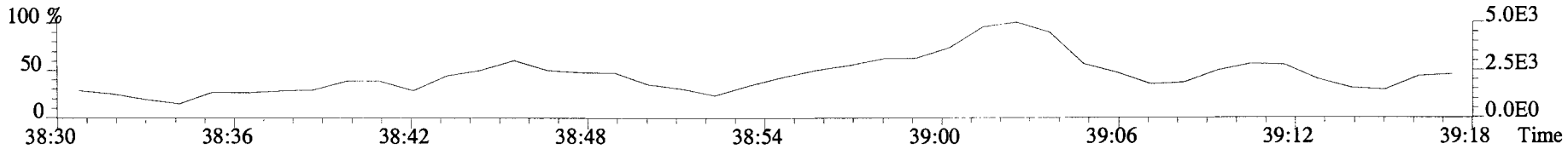

330.9792 S:10 F:3



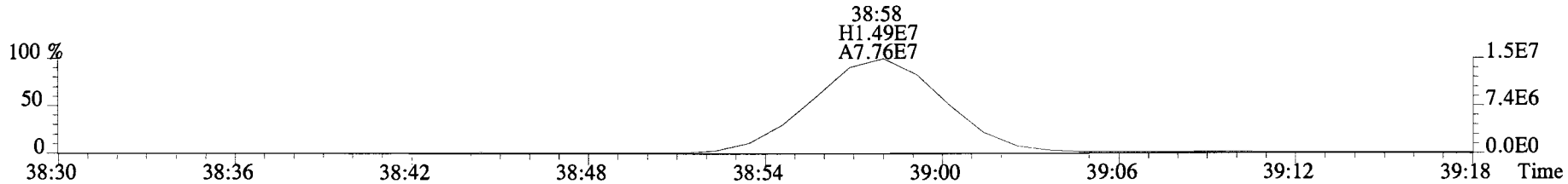
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



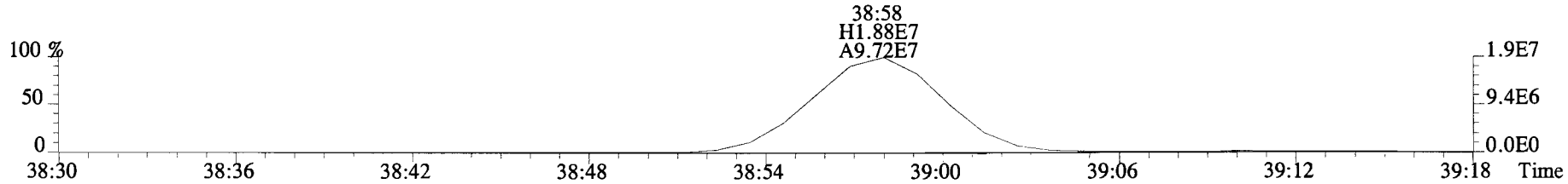

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



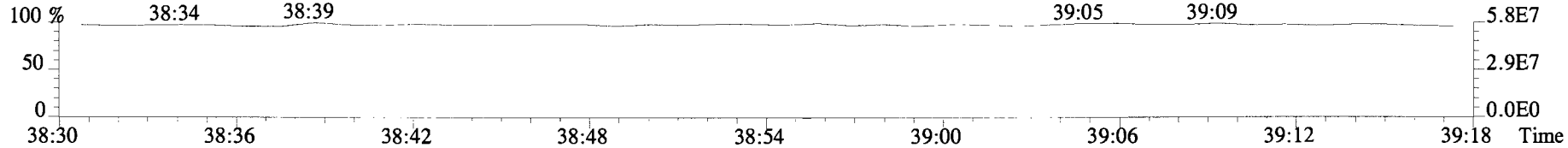

301.9626 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33176.0,0.00%,F,F)



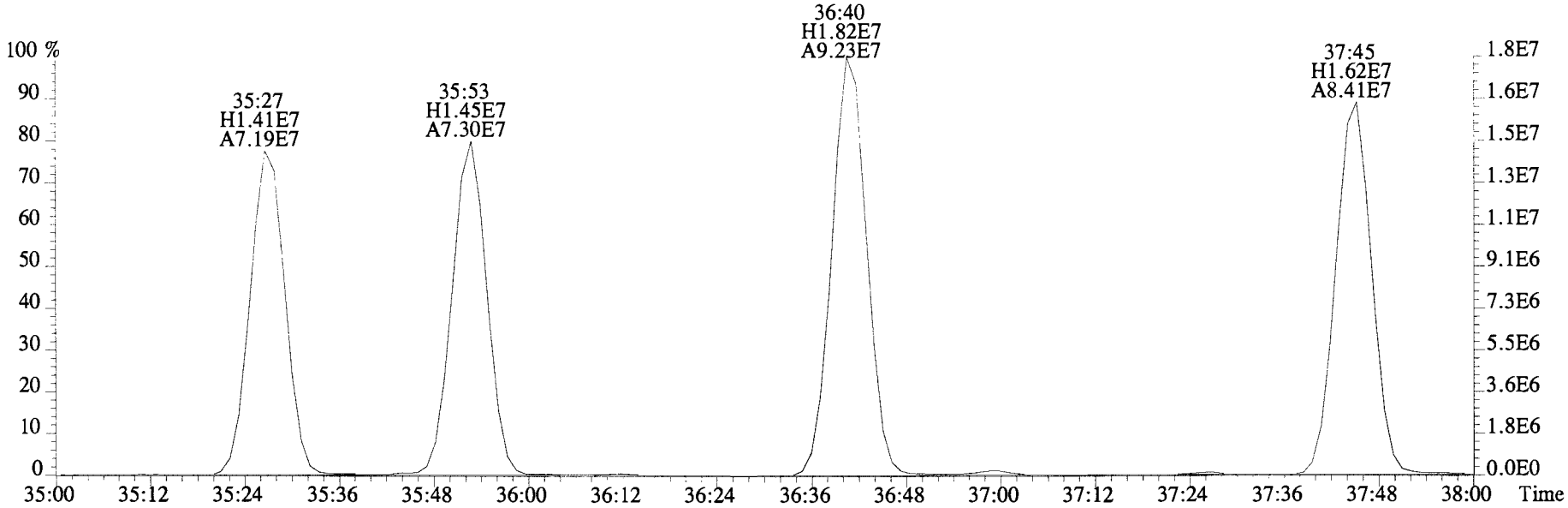

303.9597 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23032.0,0.00%,F,F)



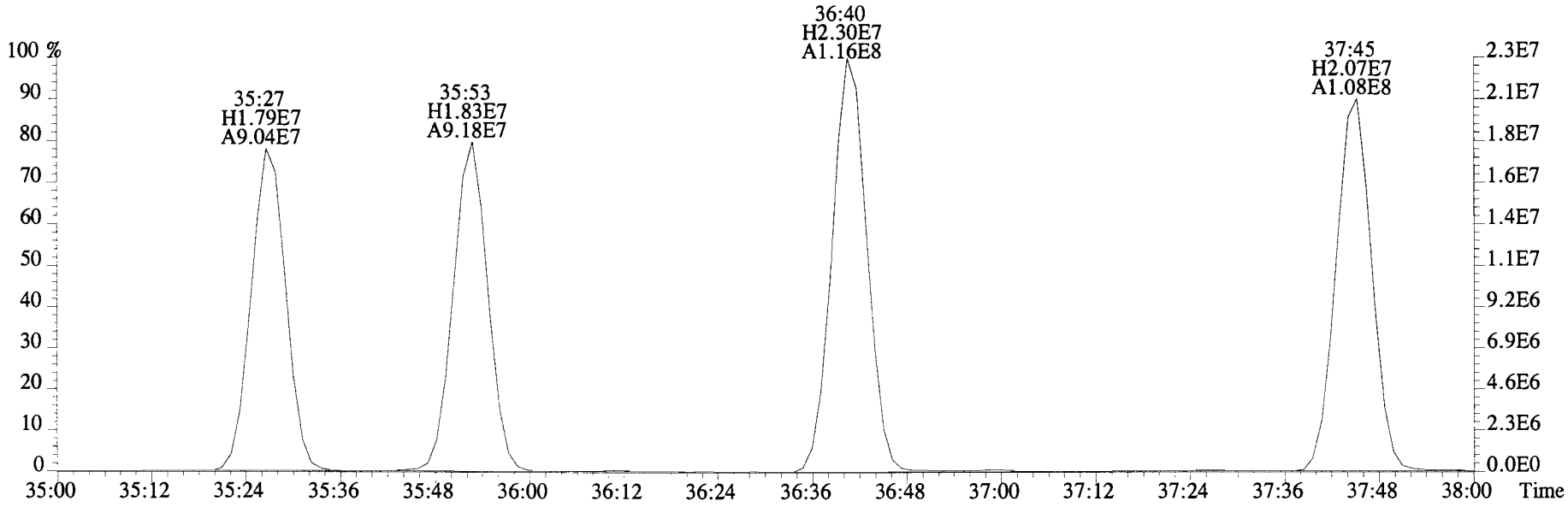

330.9792 S:10 F:3



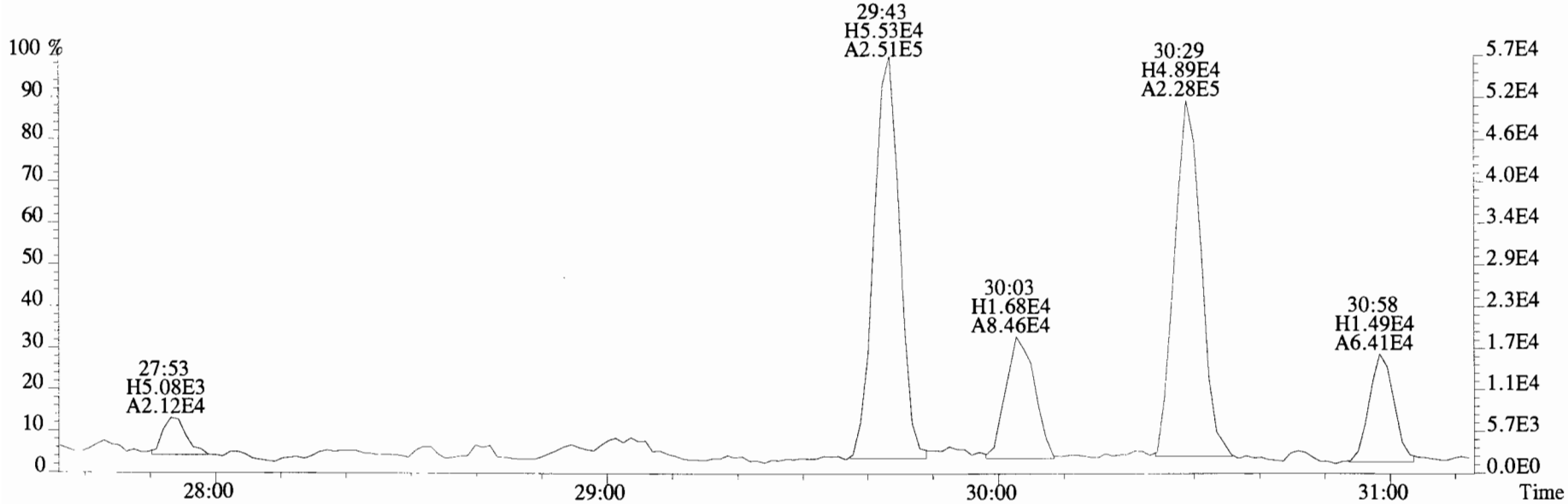
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
301.9626 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33176.0,0.00%,F,F)



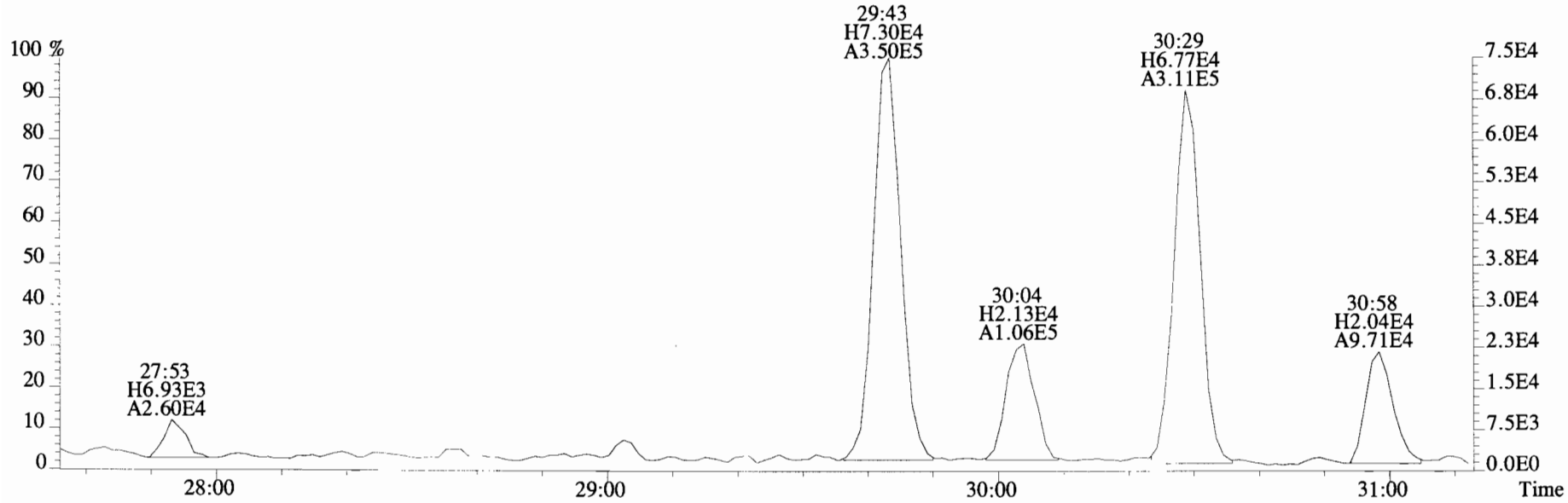

303.9597 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23032.0,0.00%,F,F)



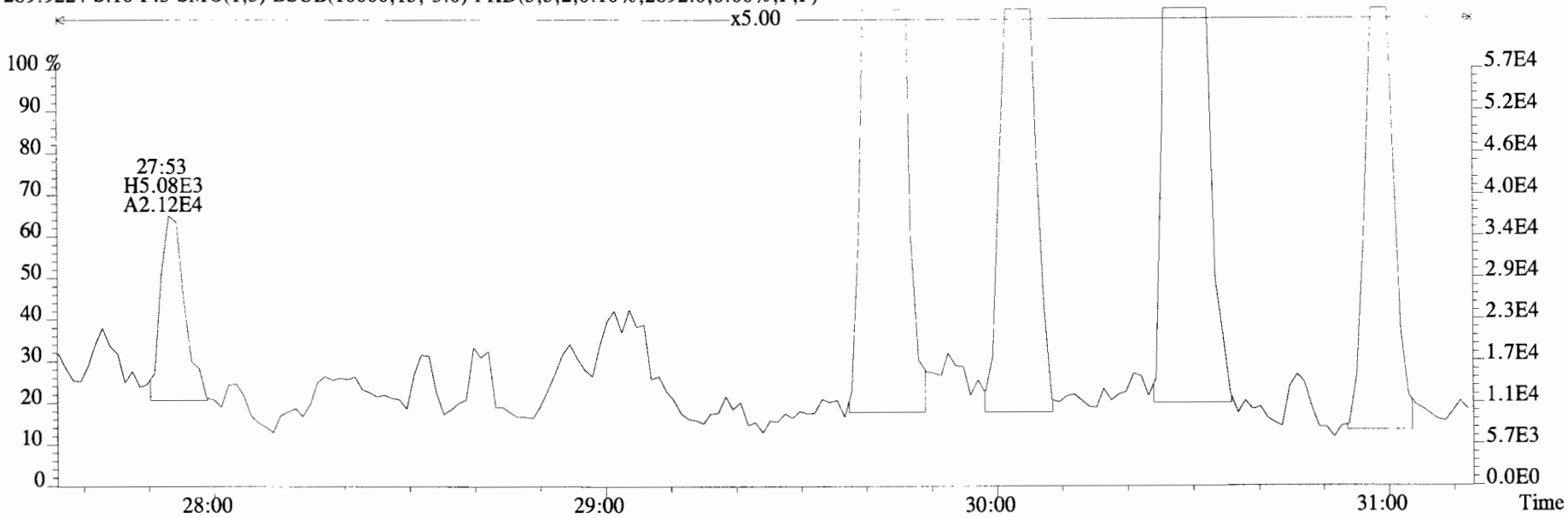
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



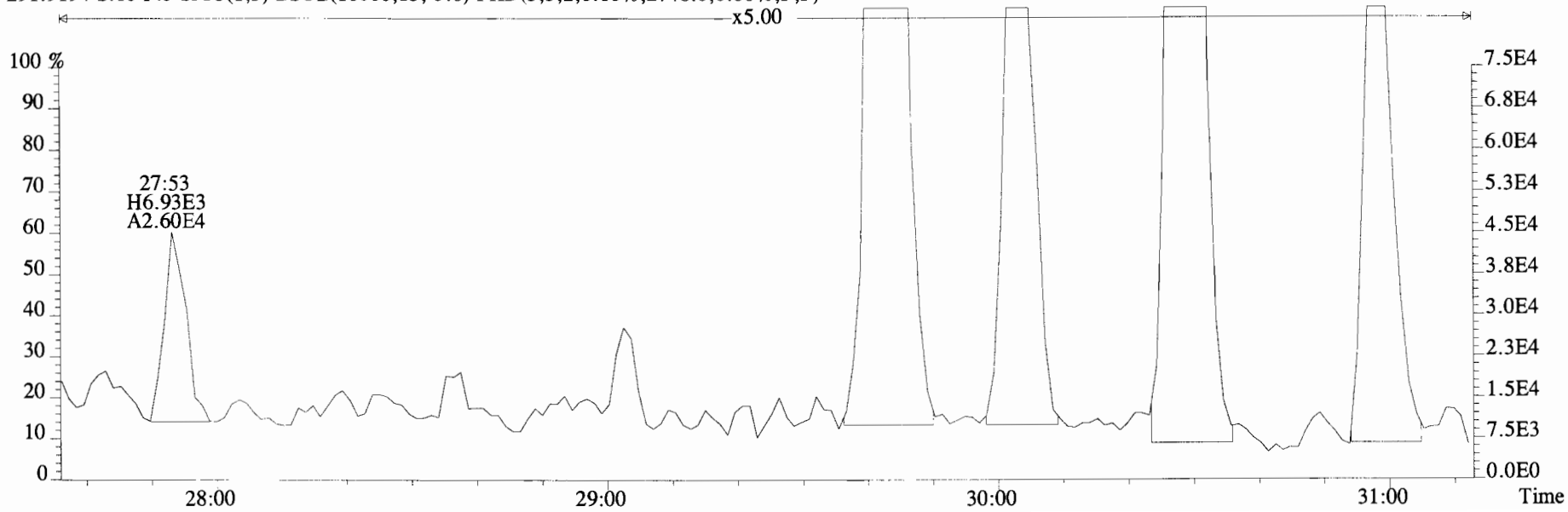

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



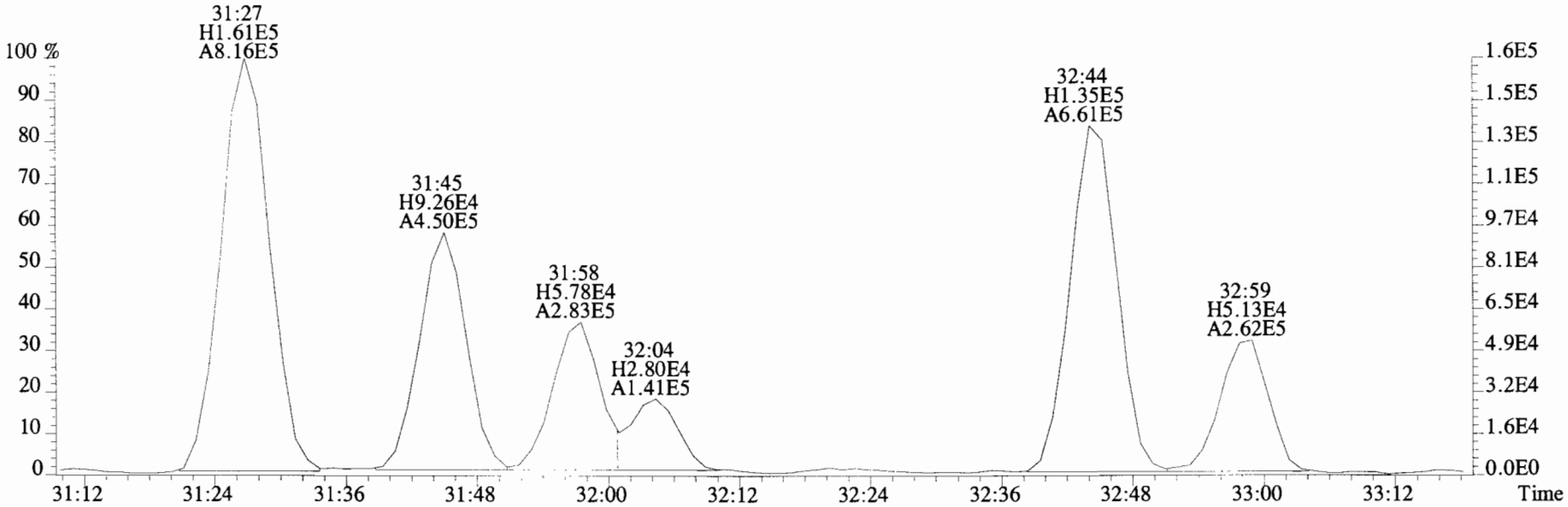
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



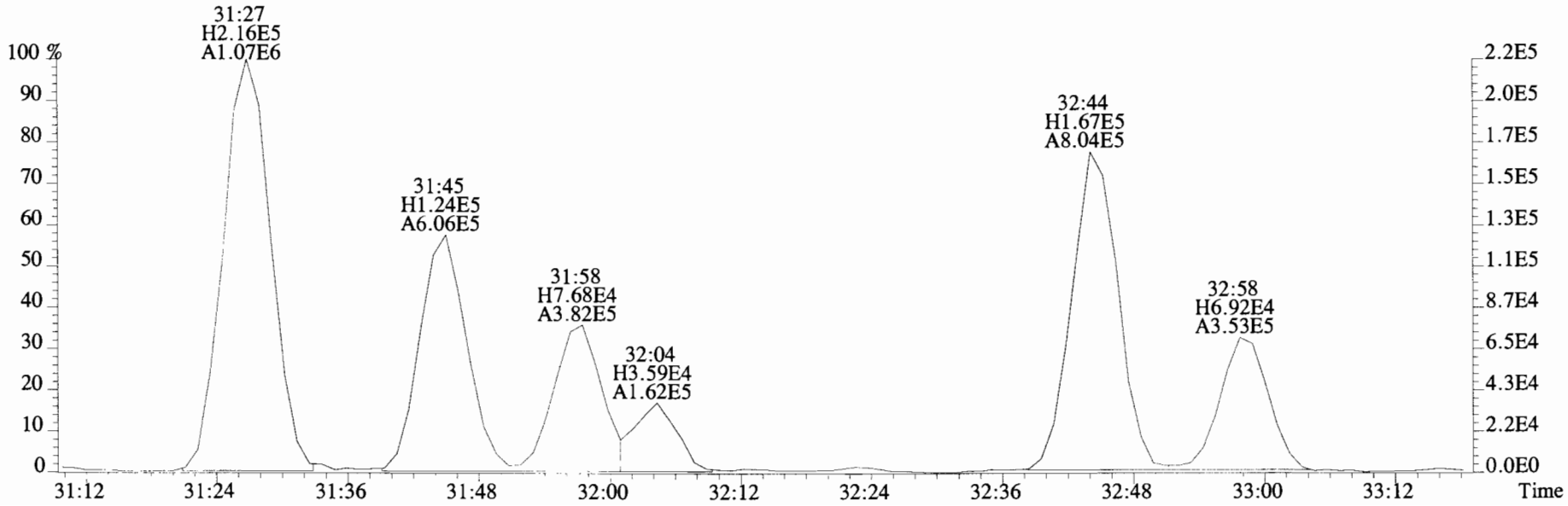

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



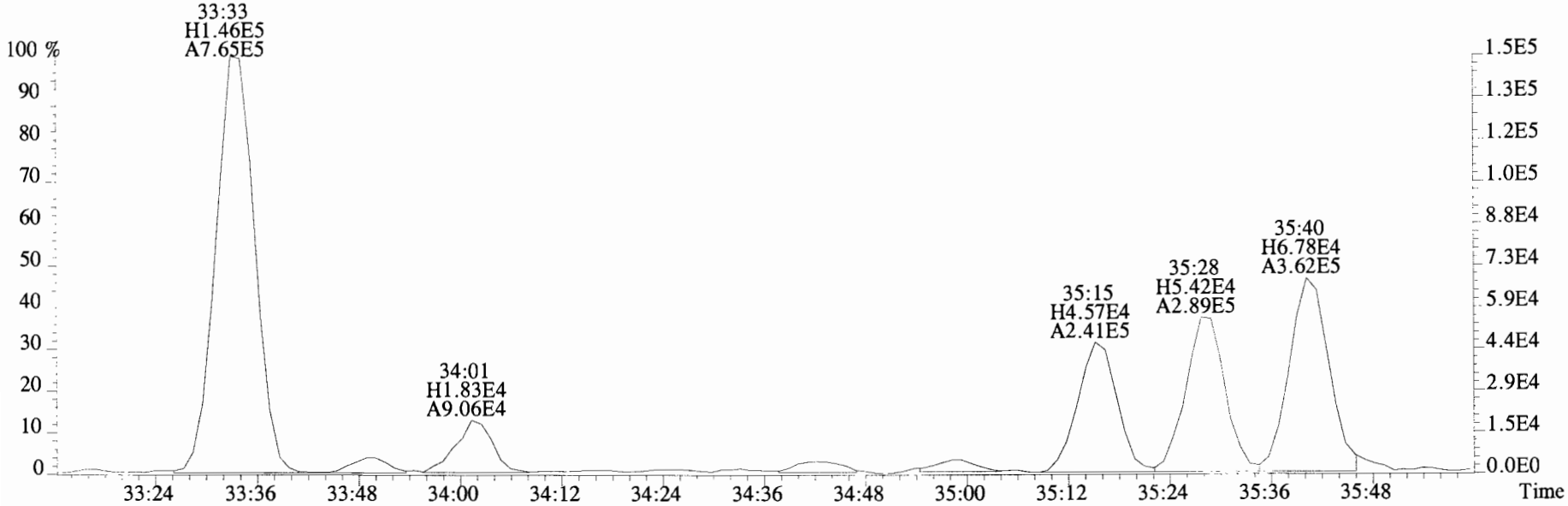
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



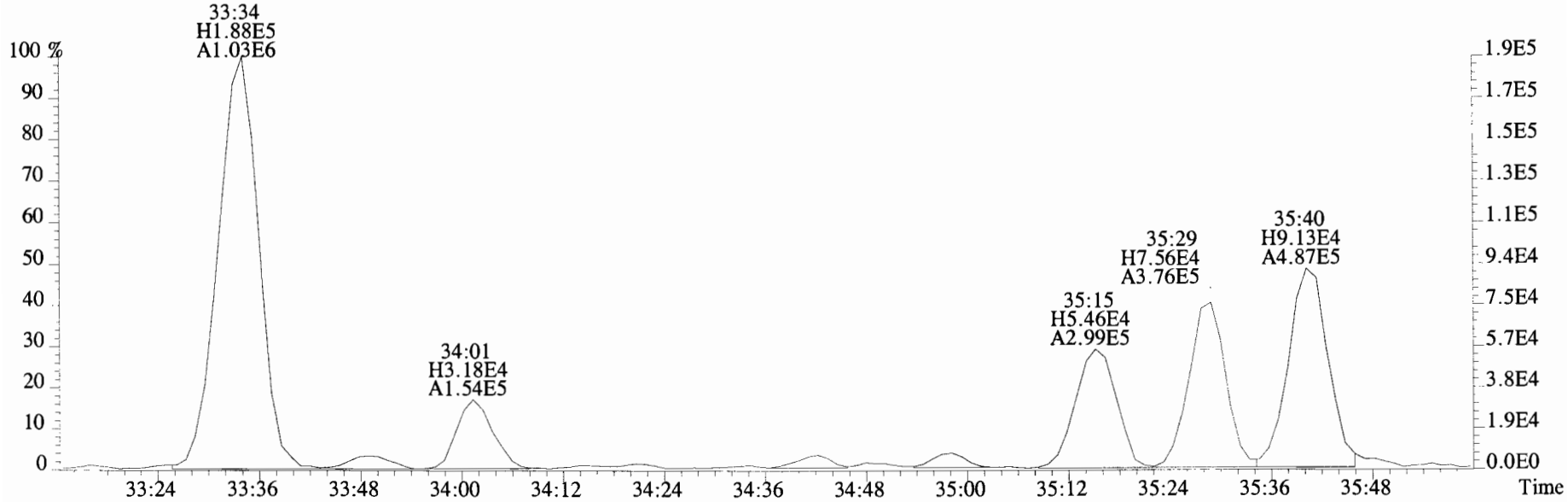

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



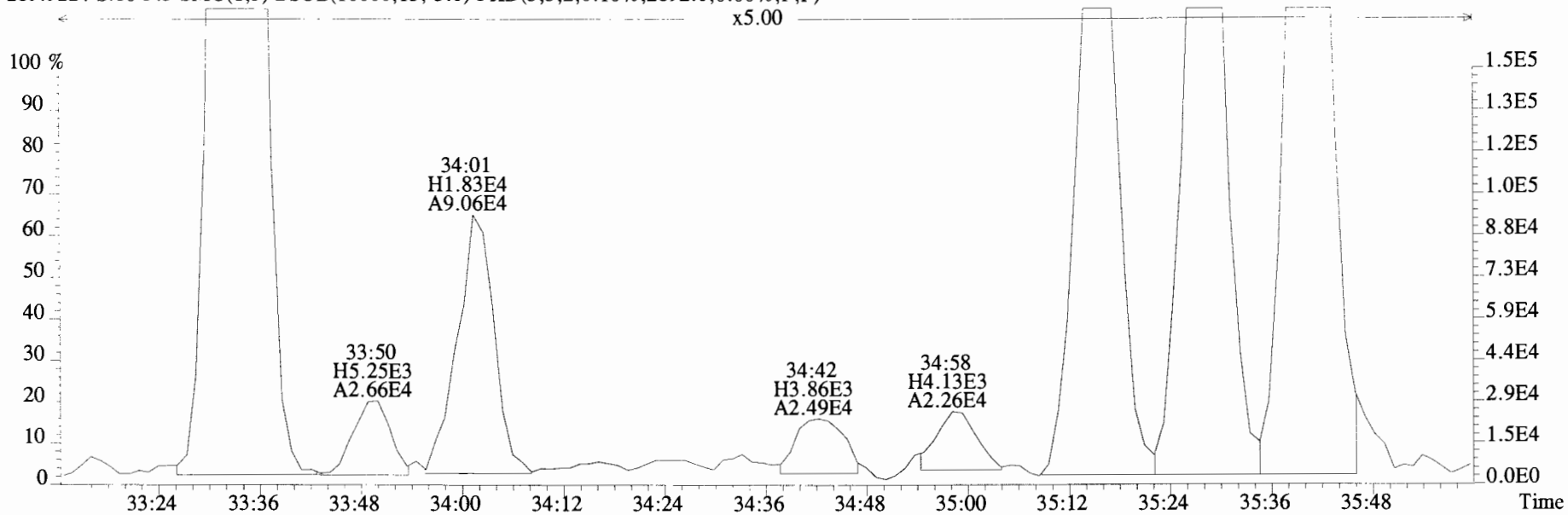
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



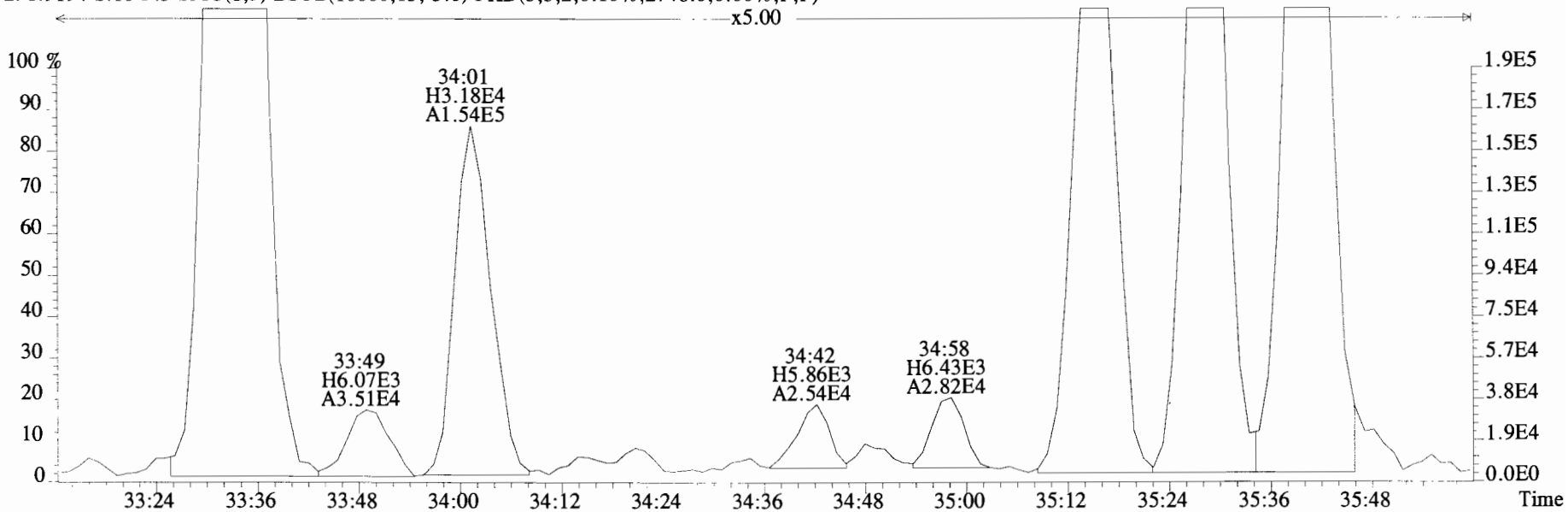

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



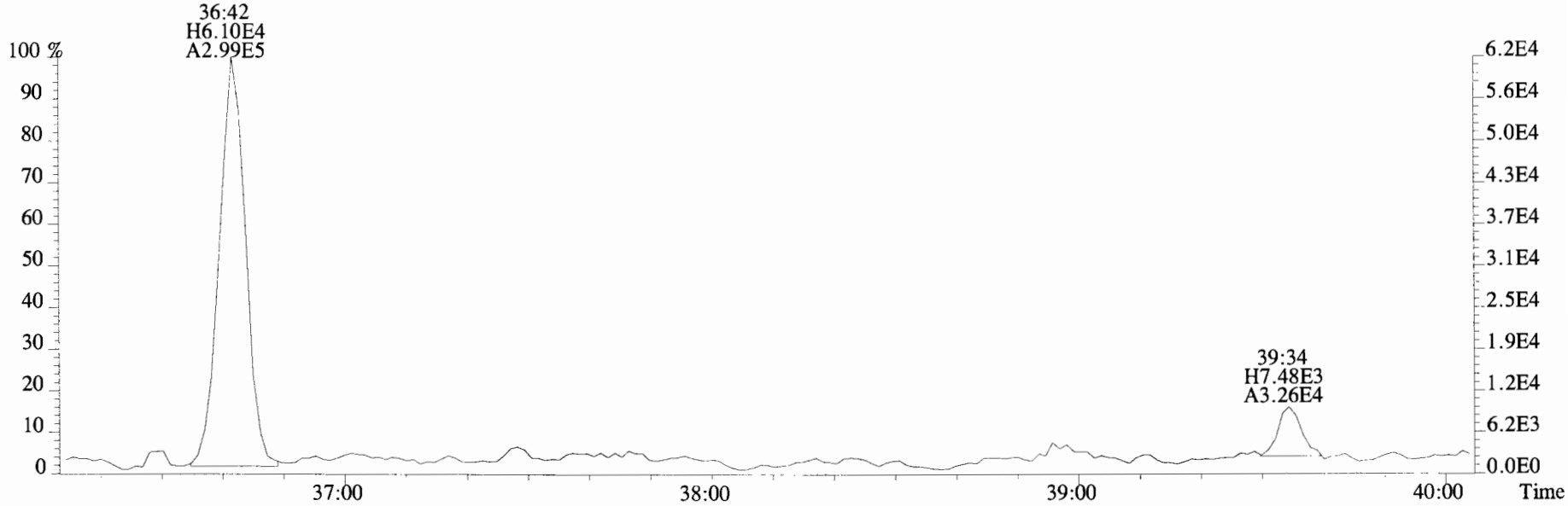
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



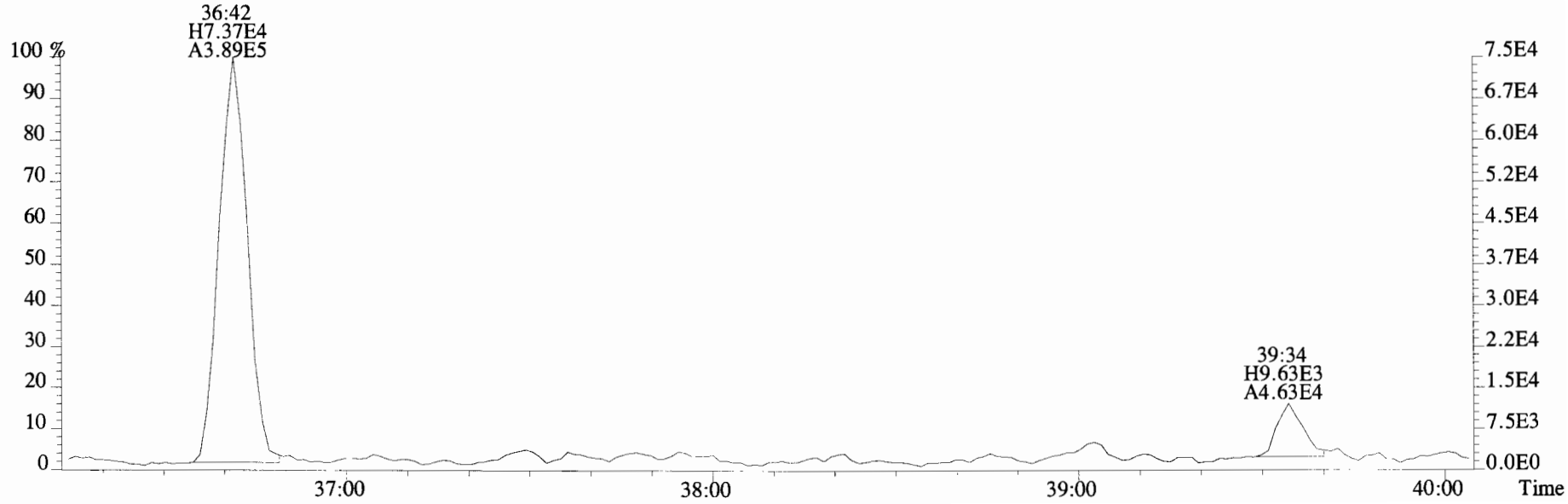

291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
289.9224 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)

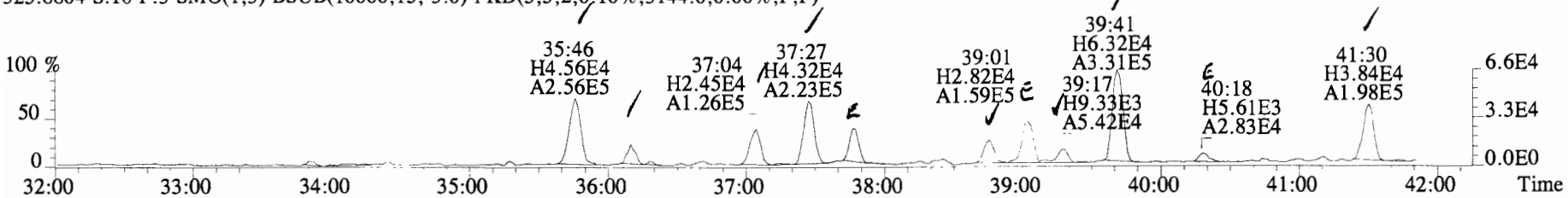



291.9194 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2748.0,0.00%,F,F)

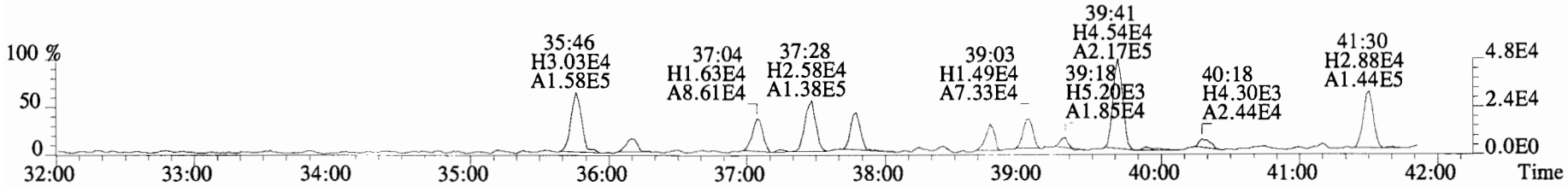


File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

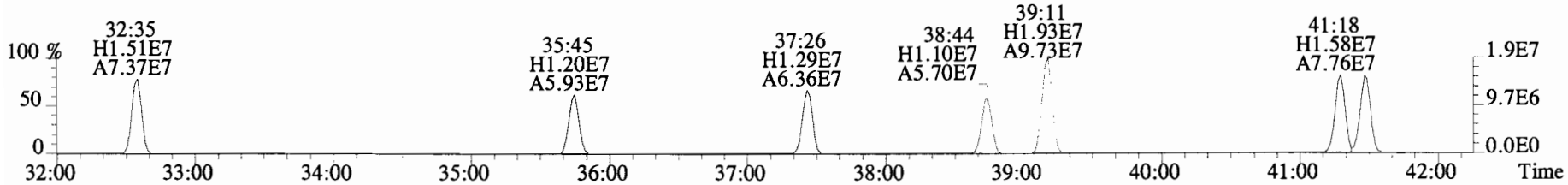
325.8804 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3144.0,0.00%,F,F)



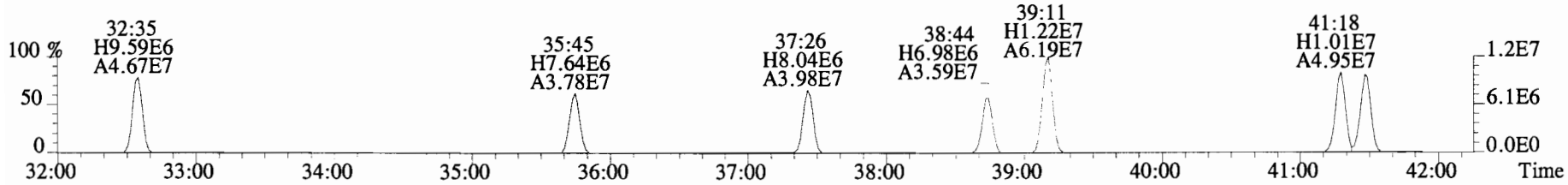

327.8775 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2704.0,0.00%,F,F)



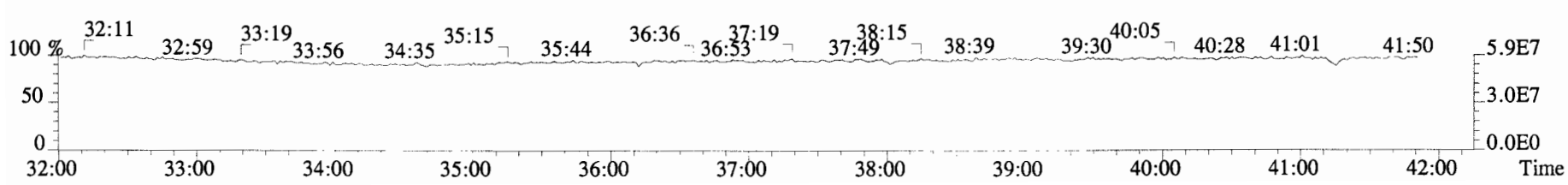

337.9207 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4500.0,0.00%,F,F)



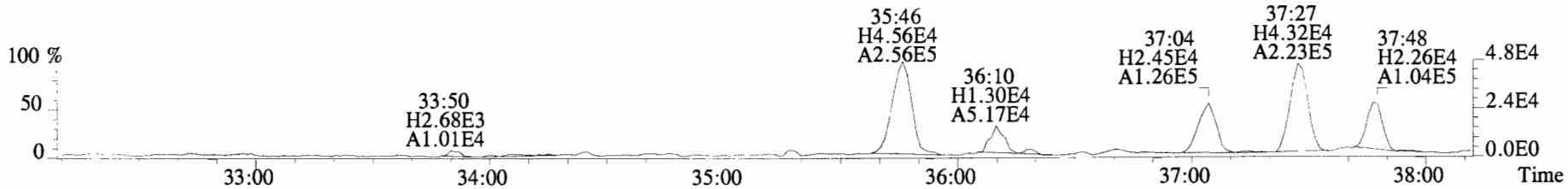

339.9177 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4068.0,0.00%,F,F)



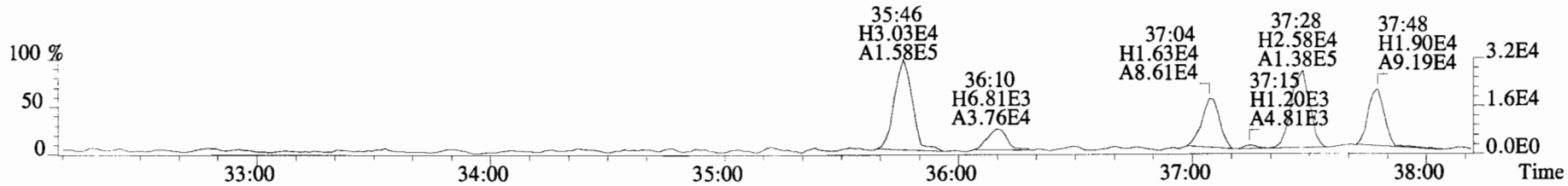

330.9792 S:10 F:3



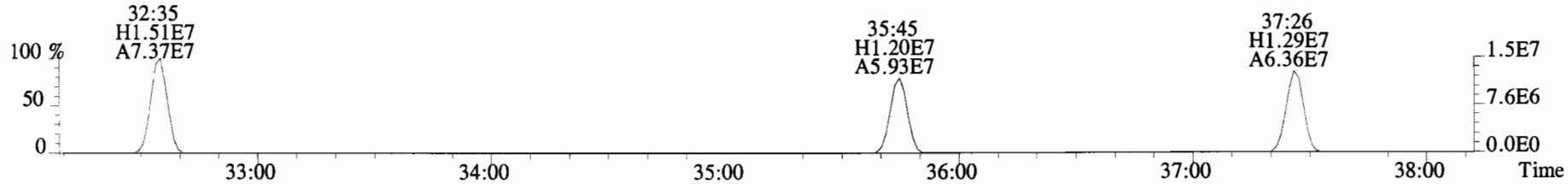
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
325.8804 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3144.0,0.00%,F,F)



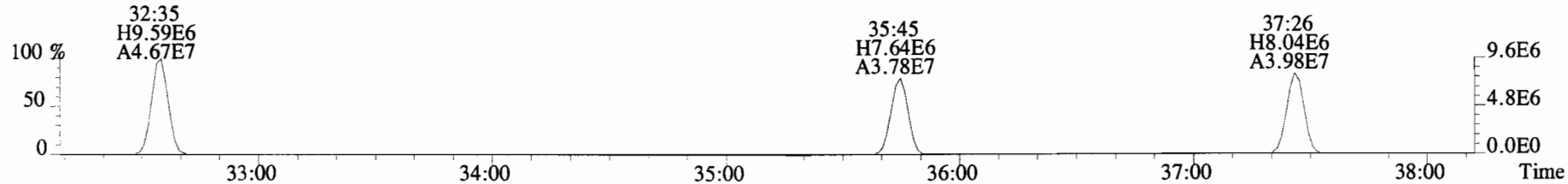

327.8775 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2704.0,0.00%,F,F)



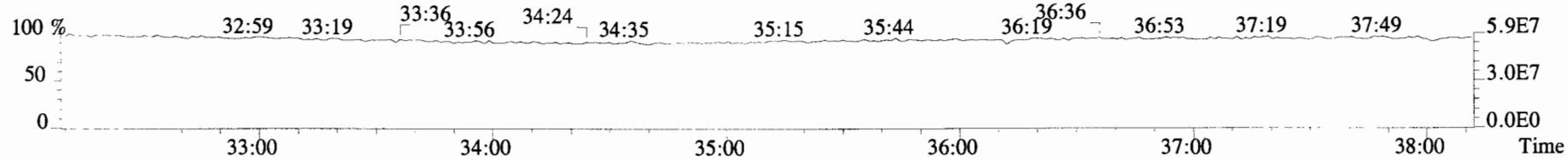

337.9207 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4500.0,0.00%,F,F)




339.9177 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4068.0,0.00%,F,F)

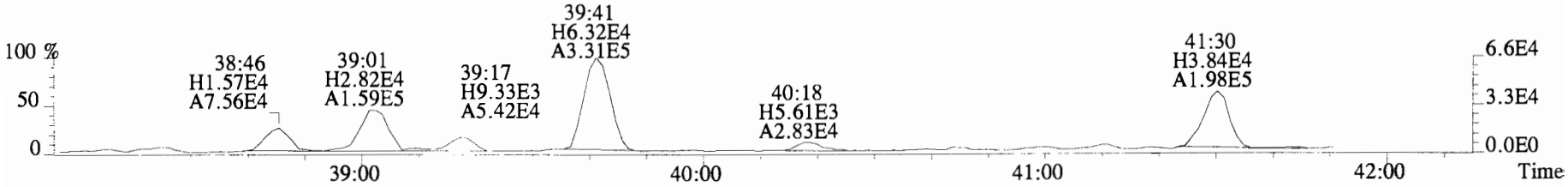



330.9792 S:10 F:3

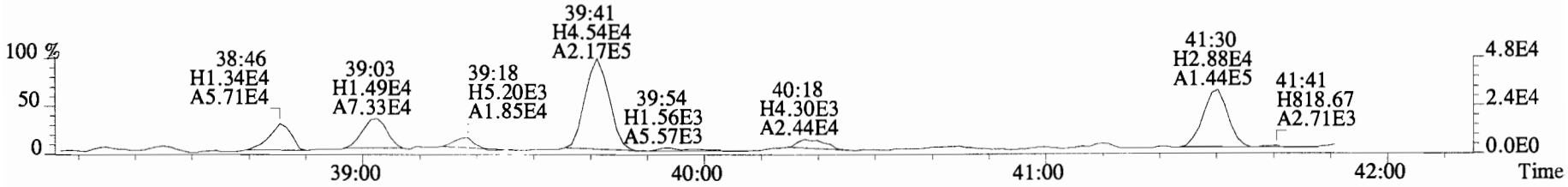


File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

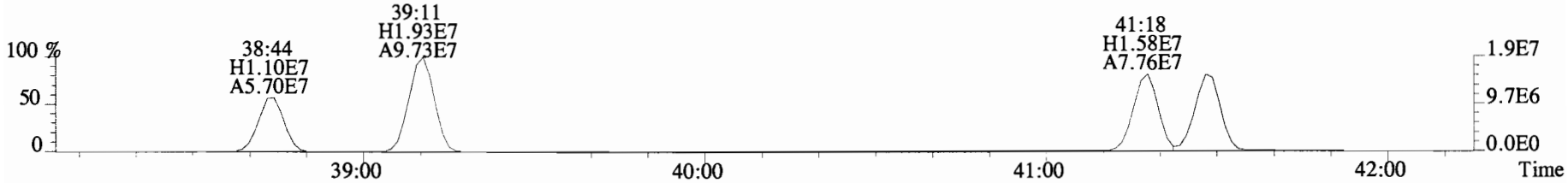
325.8804 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3144.0,0.00%,F,F)



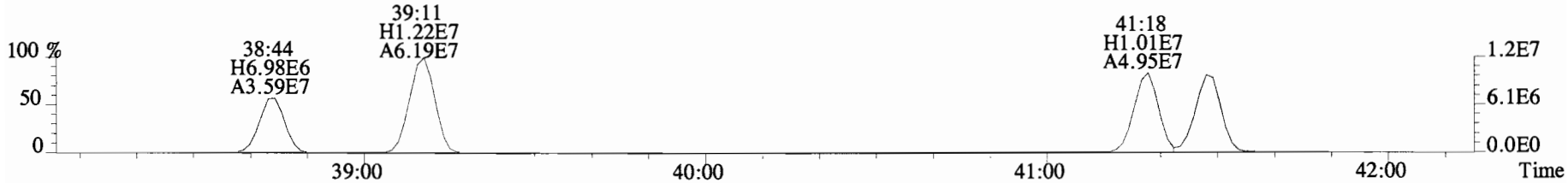

327.8775 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2704.0,0.00%,F,F)



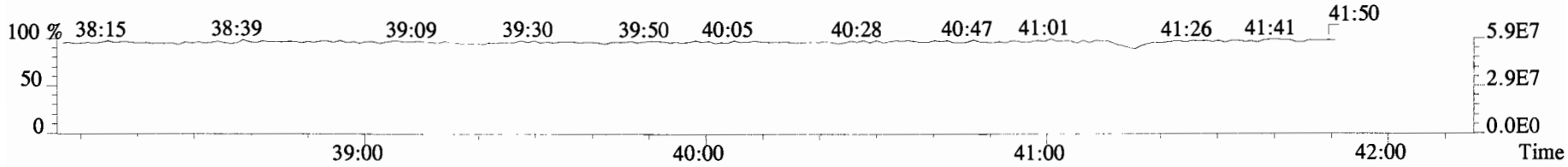

337.9207 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4500.0,0.00%,F,F)



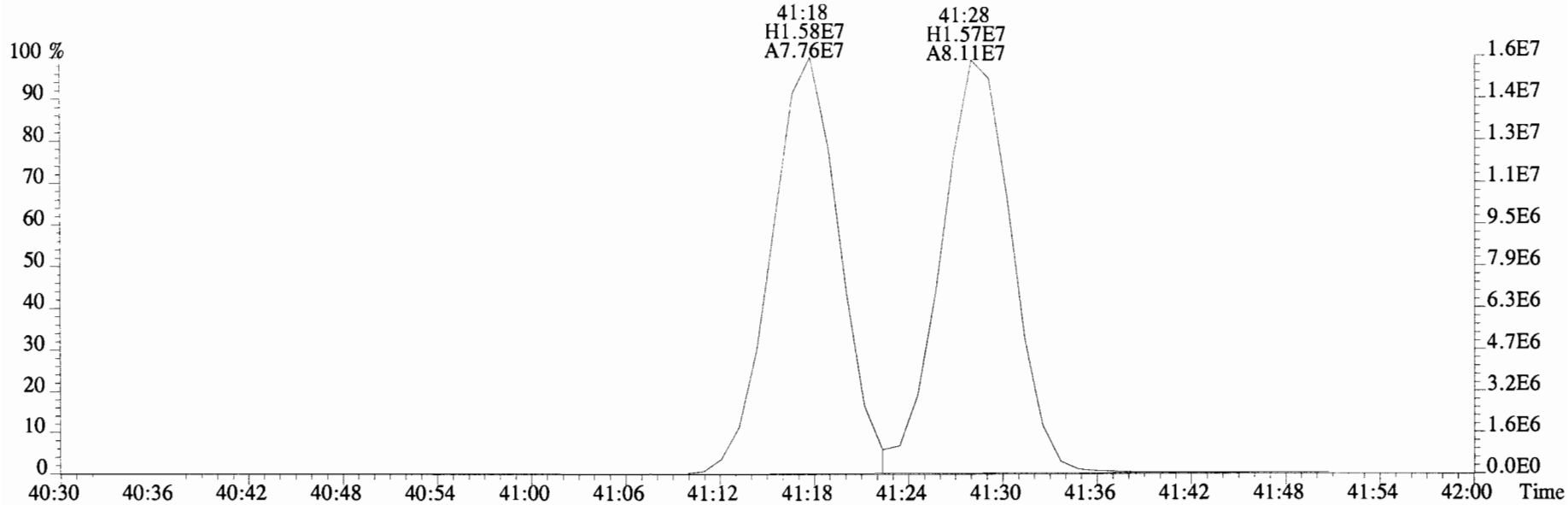

339.9177 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4068.0,0.00%,F,F)



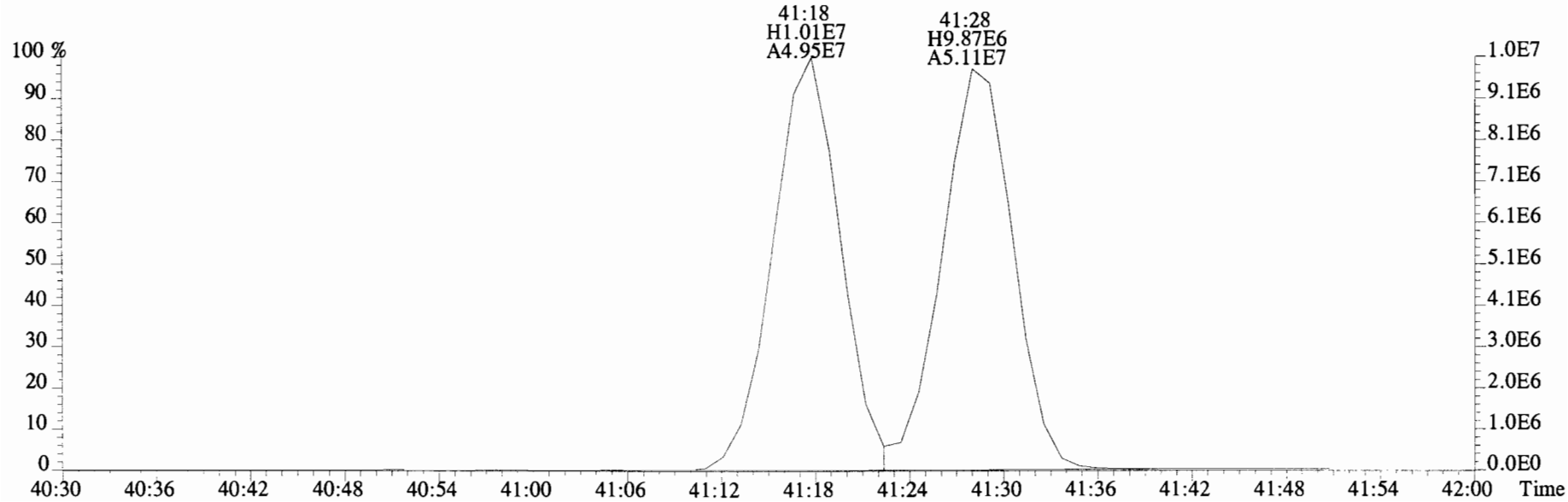

330.9792 S:10 F:3



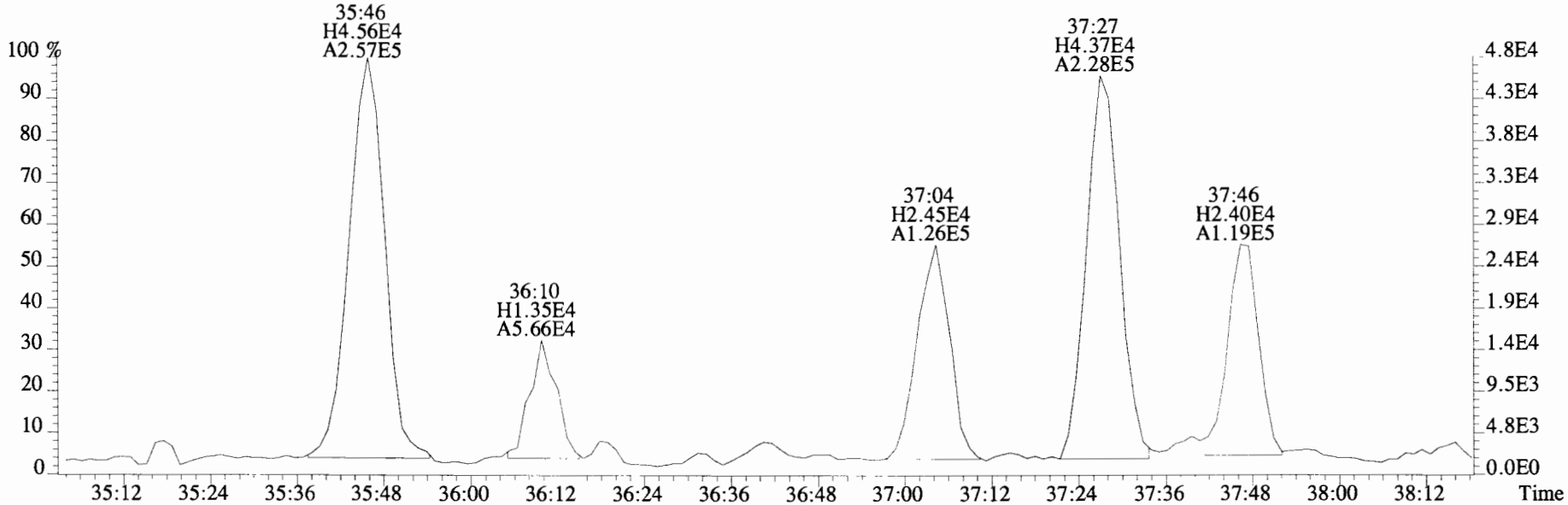
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
337.9207 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4500.0,0.00%,F,F)



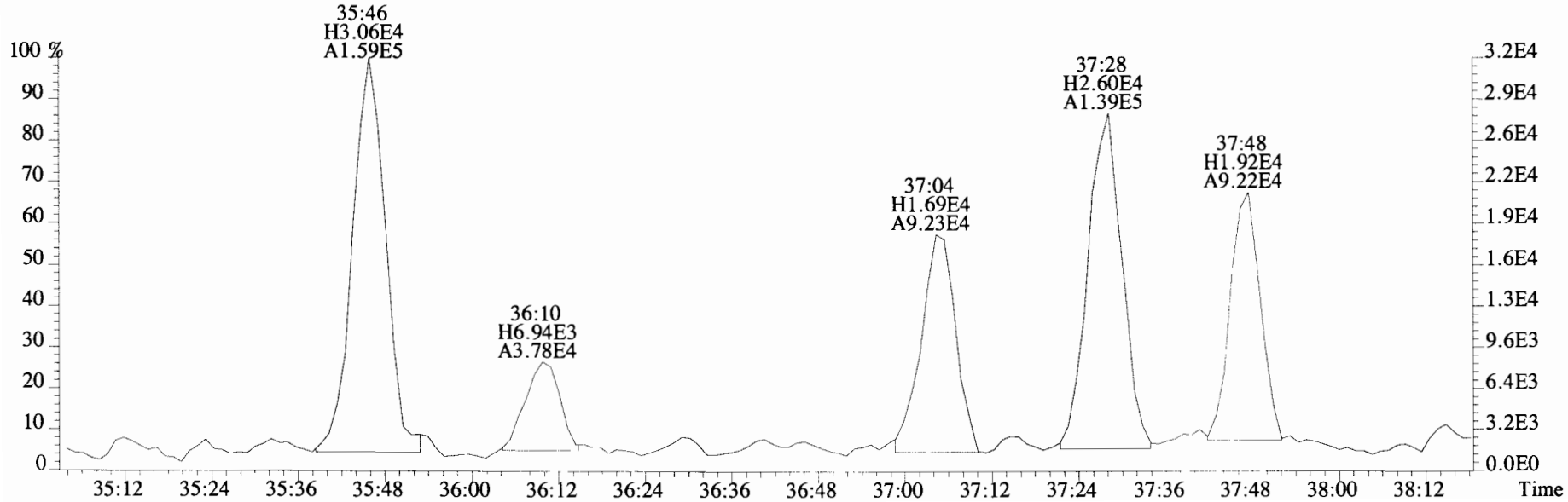

339.9177 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4068.0,0.00%,F,F)



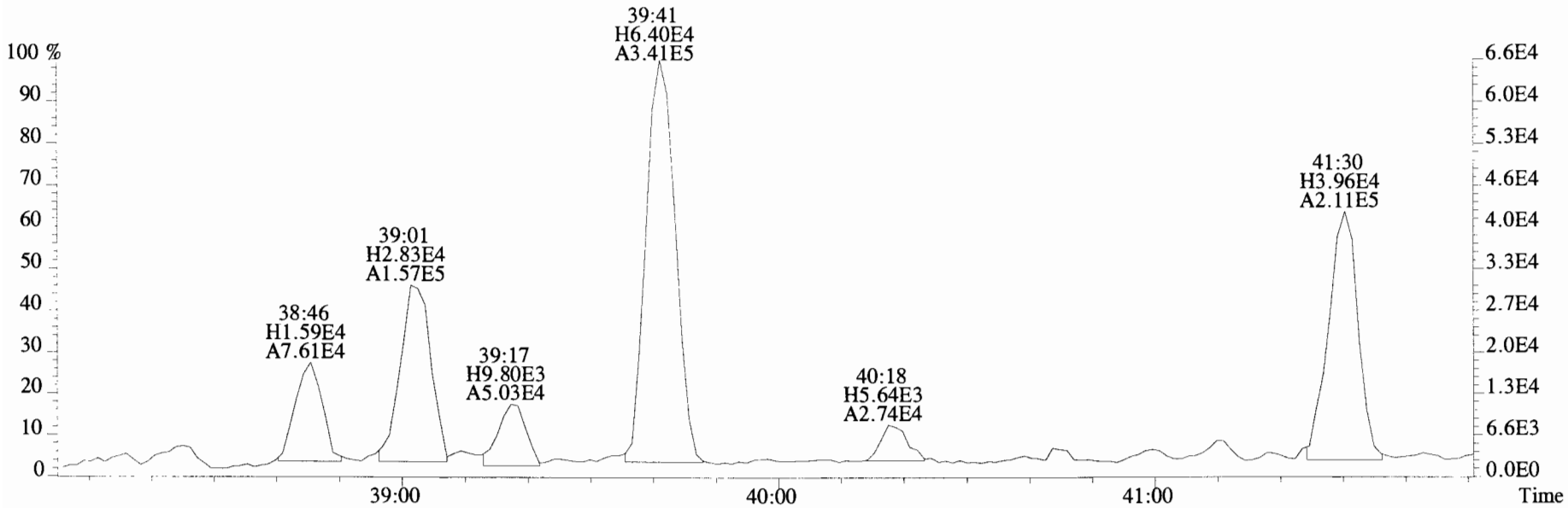
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
325.8804 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3144.0,0.00%,F,F)



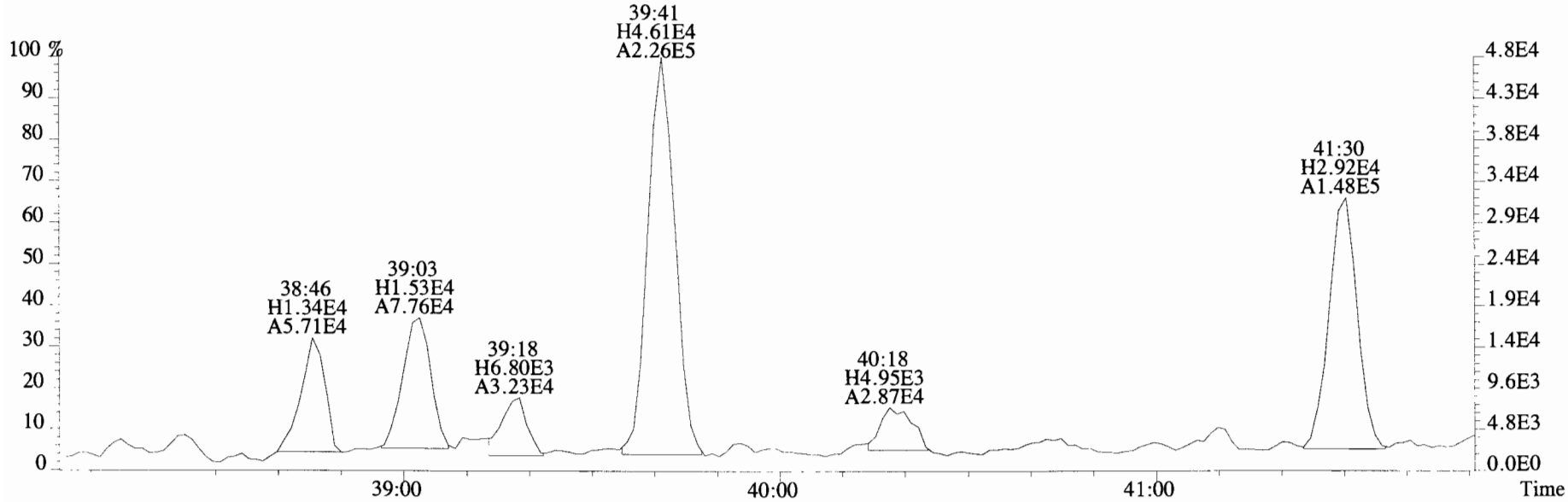

327.8775 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2704.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
325.8804 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3144.0,0.00%,F,F)

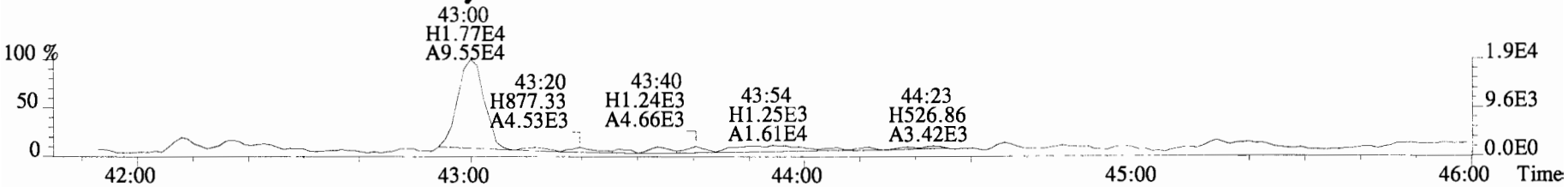



327.8775 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2704.0,0.00%,F,F)

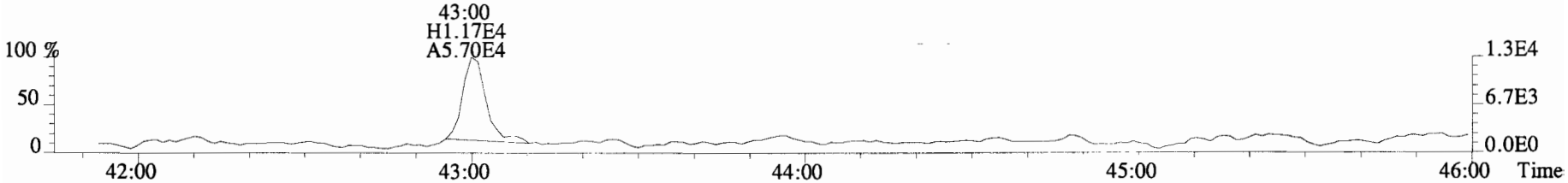


File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

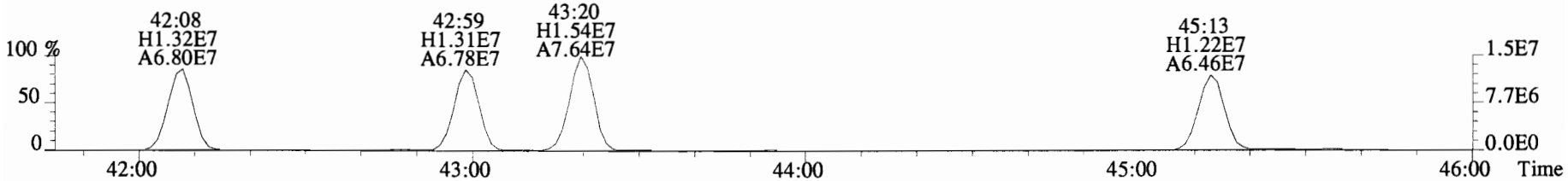
325.8804 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



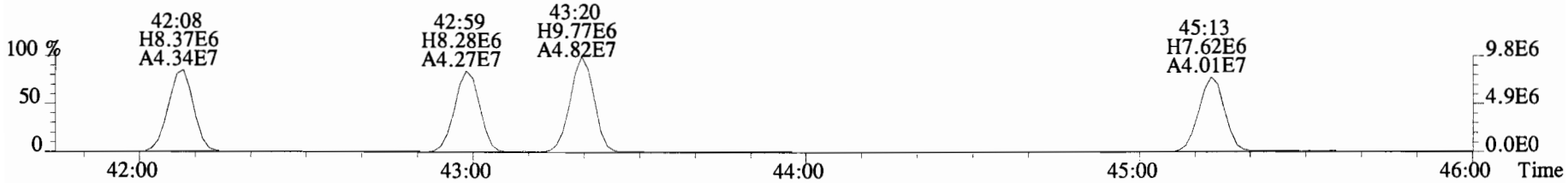

327.8775 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2292.0,0.00%,F,F)



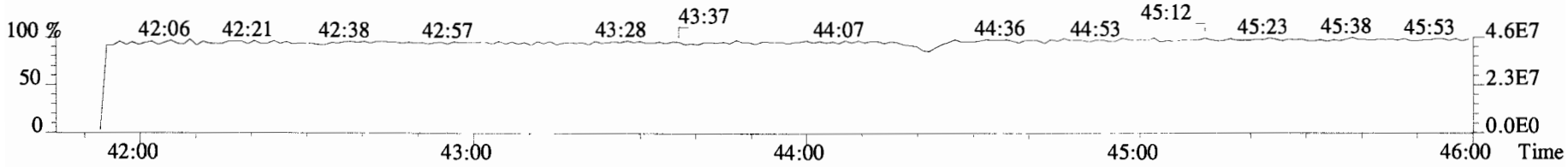

337.9207 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7876.0,0.00%,F,F)



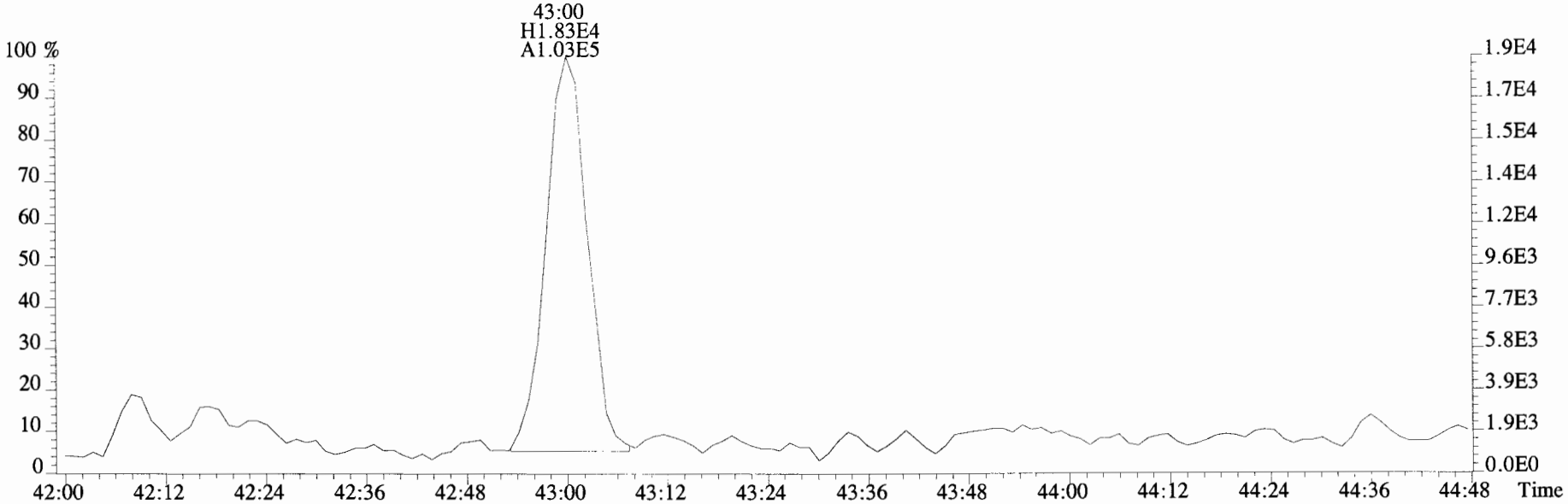

339.9177 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5948.0,0.00%,F,F)



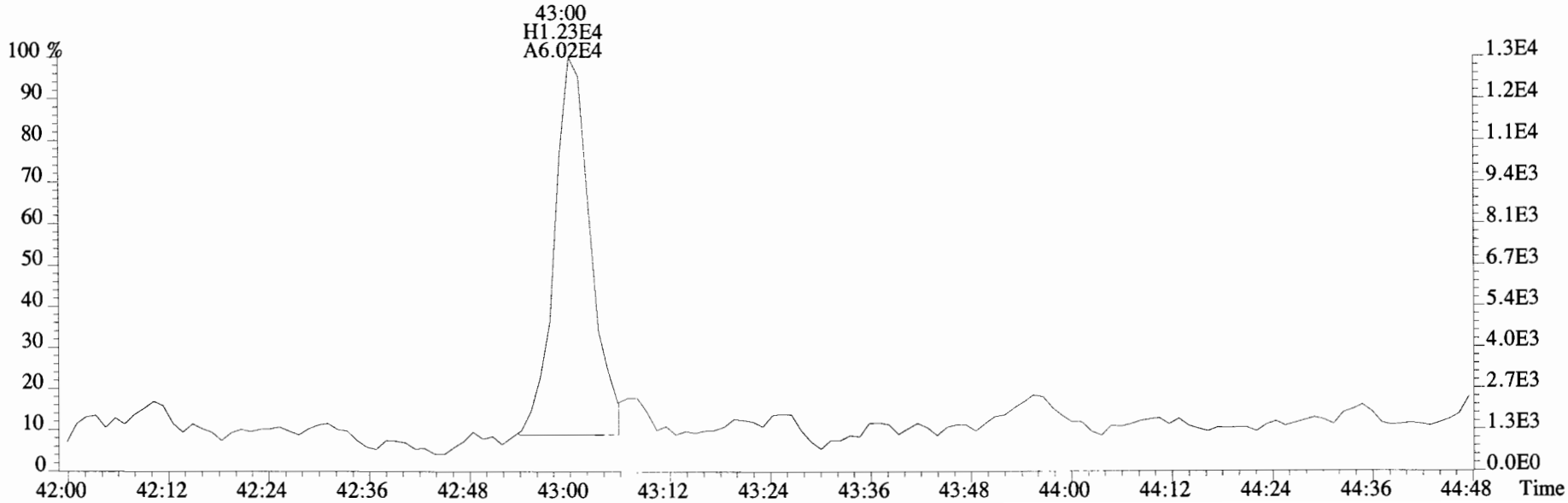

380.9760 S:10 F:4



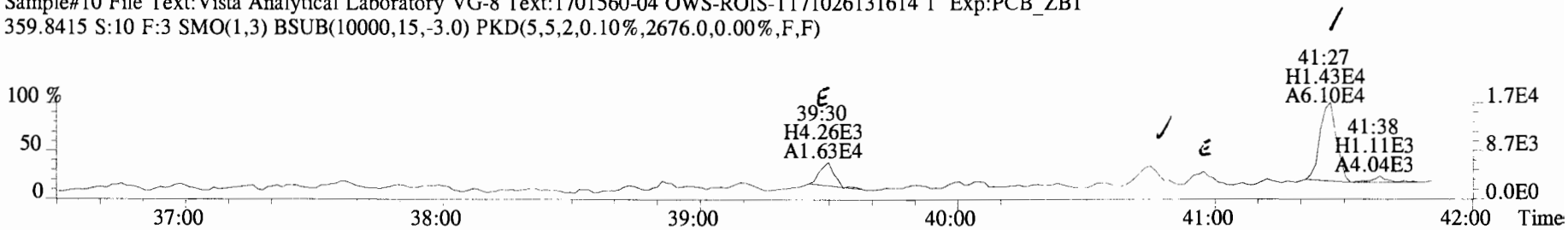
File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
325.8804 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



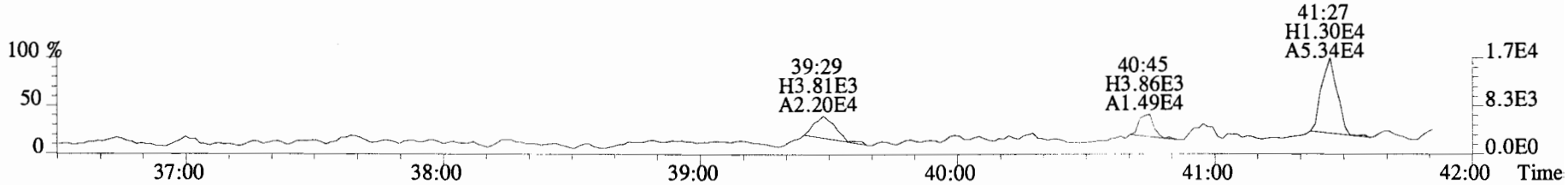

327.8775 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2292.0,0.00%,F,F)



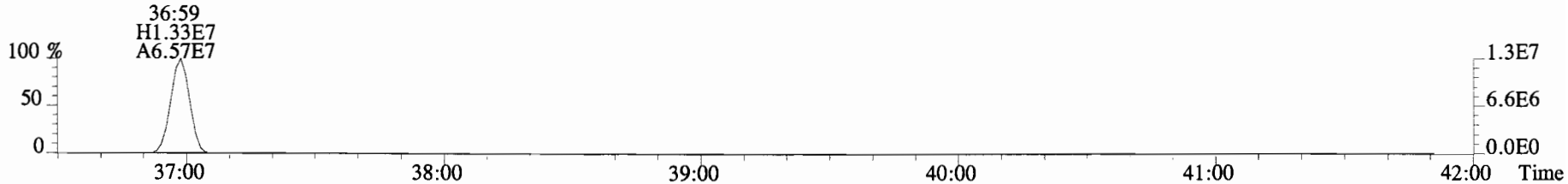
File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
359.8415 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2676.0,0.00%,F,F)



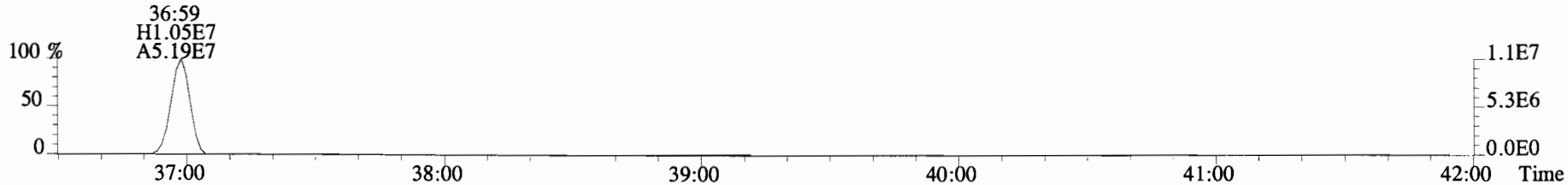

361.8385 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2524.0,0.00%,F,F)



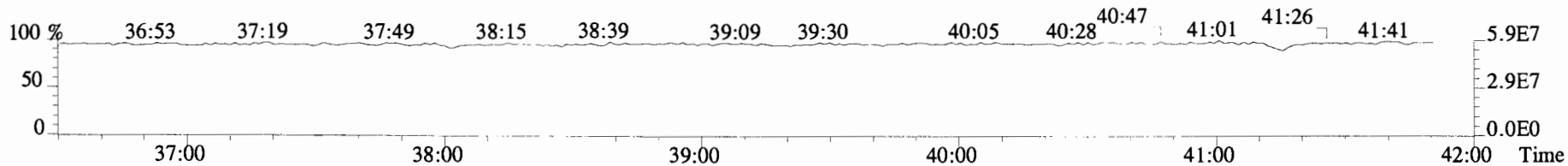

371.8817 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3584.0,0.00%,F,F)



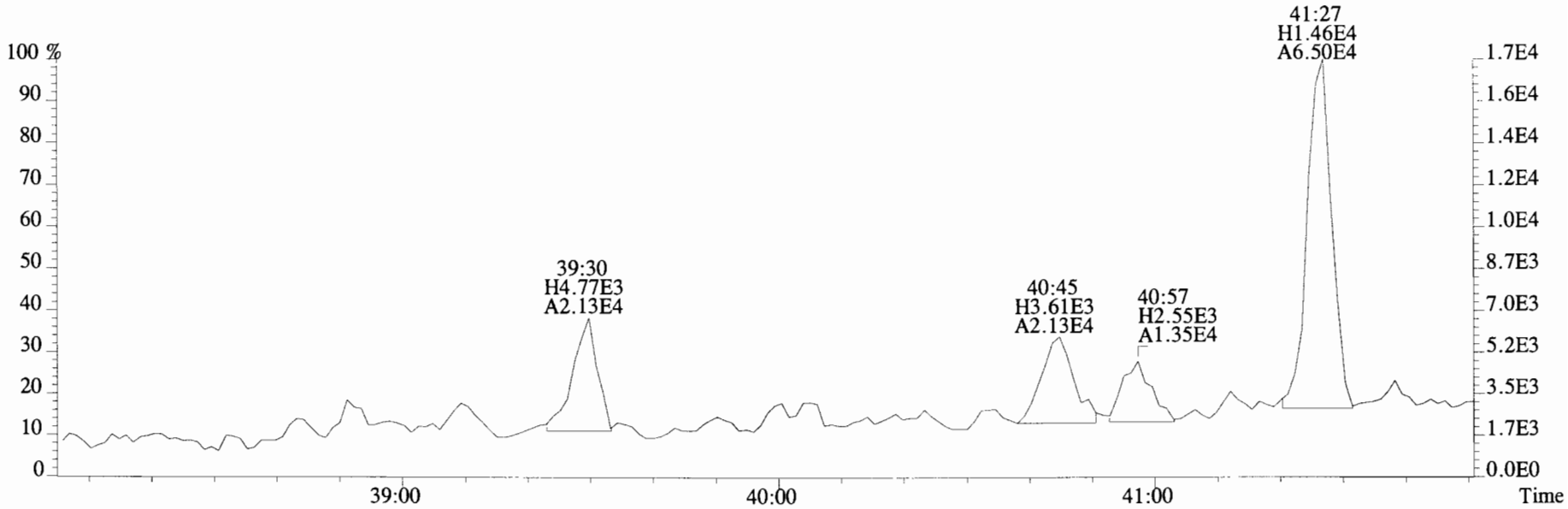

373.8788 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3720.0,0.00%,F,F)



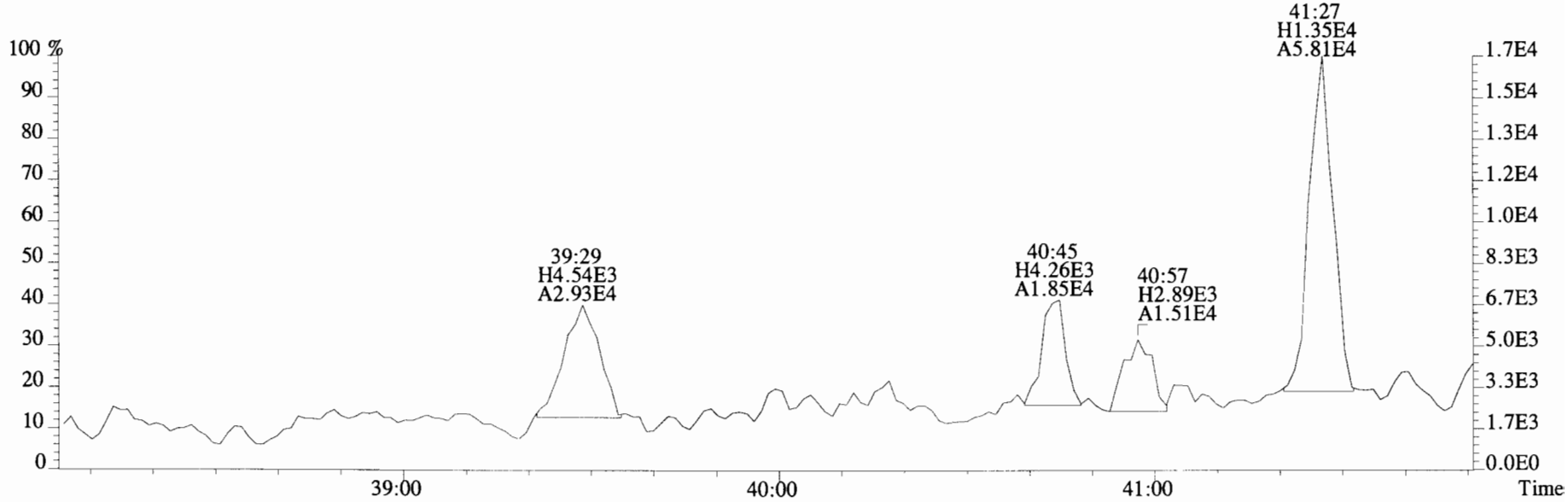

330.9792 S:10 F:3



File:180409E1 #1-756 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
359.8415 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2676.0,0.00%,F,F)

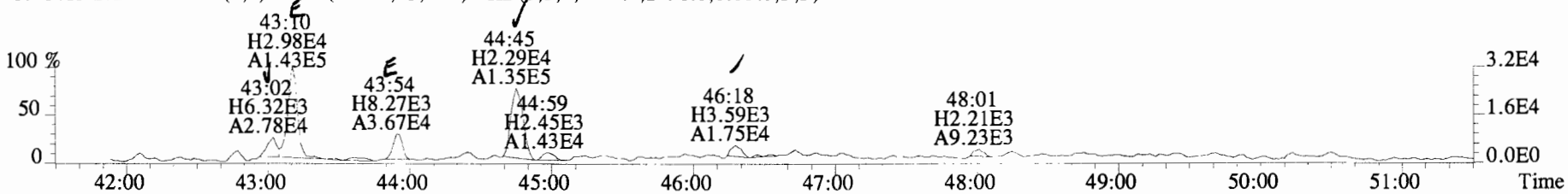



361.8385 S:10 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2524.0,0.00%,F,F)

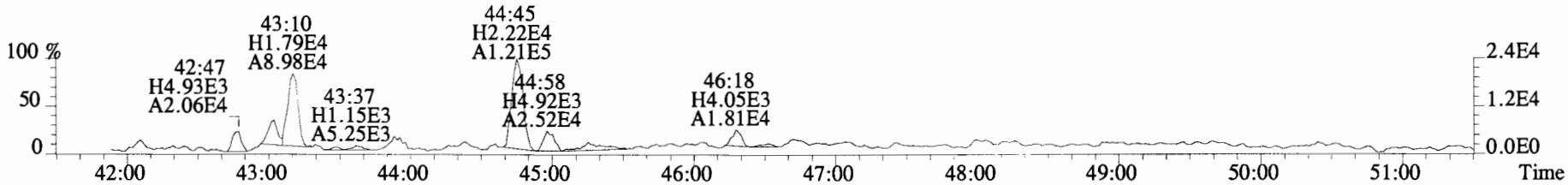


File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

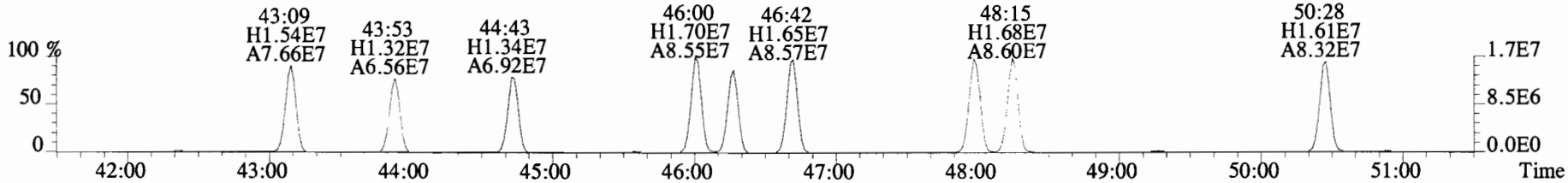
359.8415 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2396.0,0.00%,F,F)



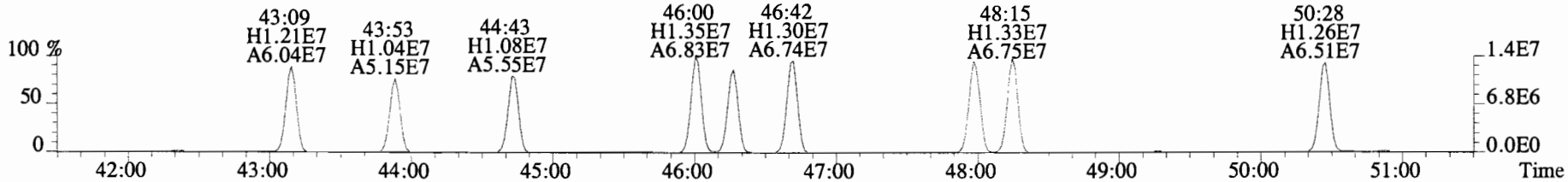

361.8385 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2472.0,0.00%,F,F)



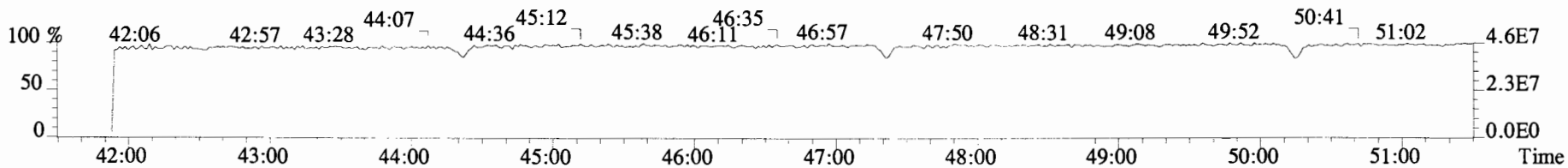

371.8817 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15492.0,0.00%,F,F)



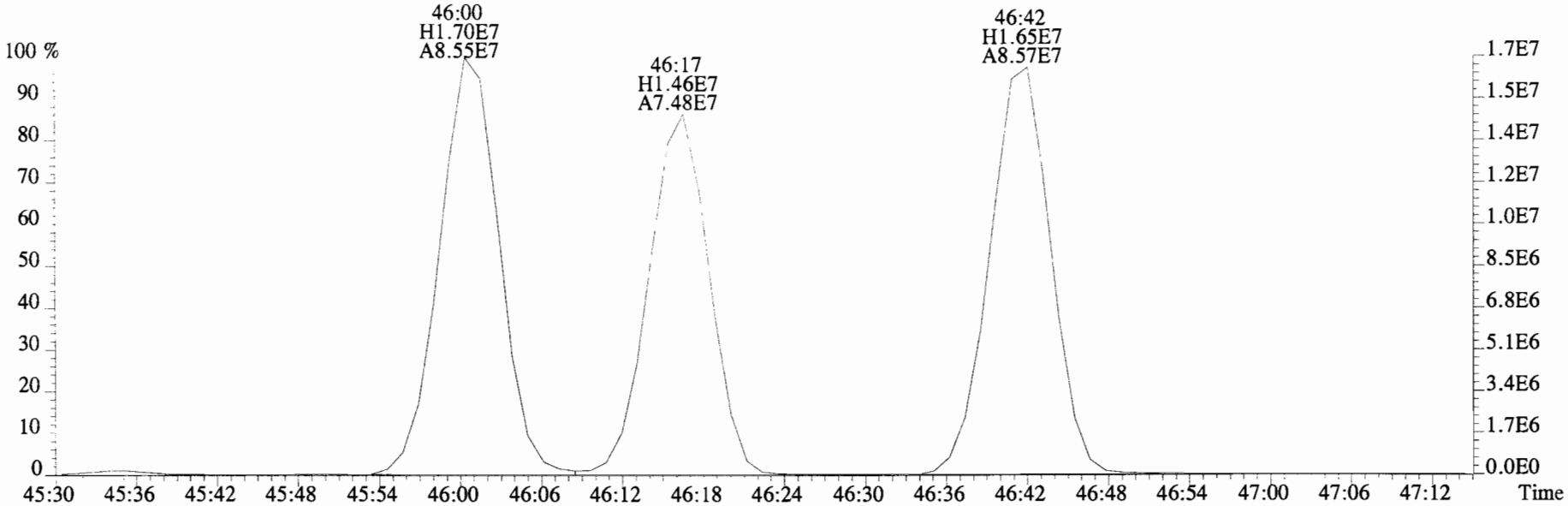

373.8788 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13628.0,0.00%,F,F)



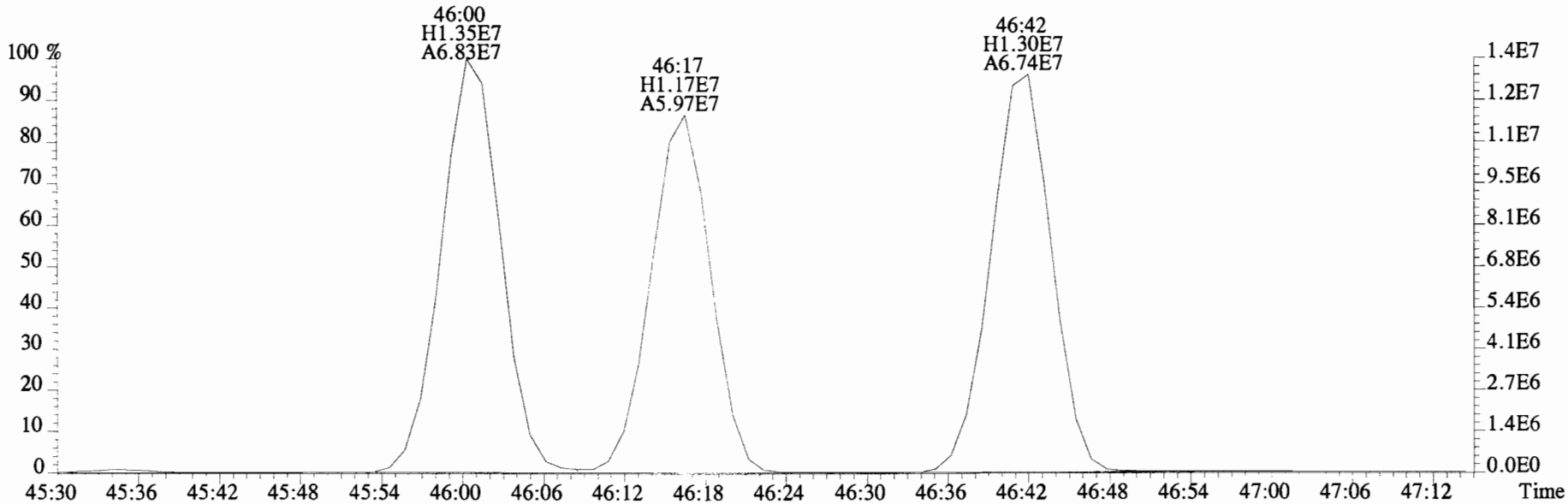

380.9760 S:10 F:4



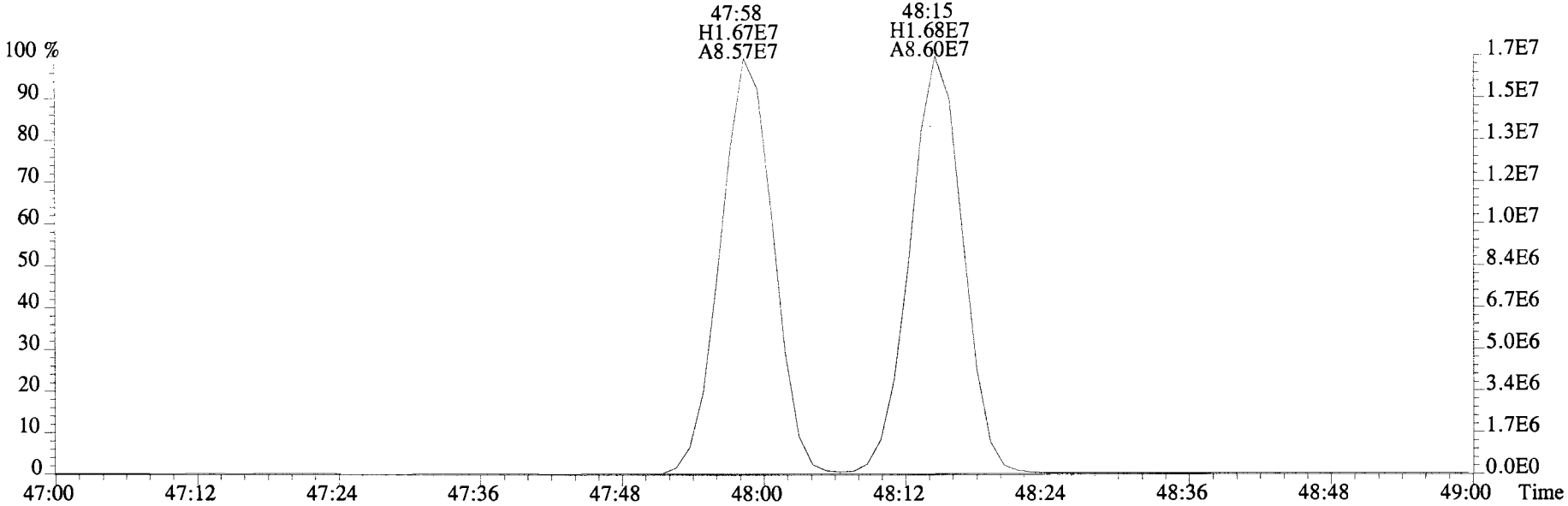
File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
371.8817 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15492.0,0.00%,F,F)



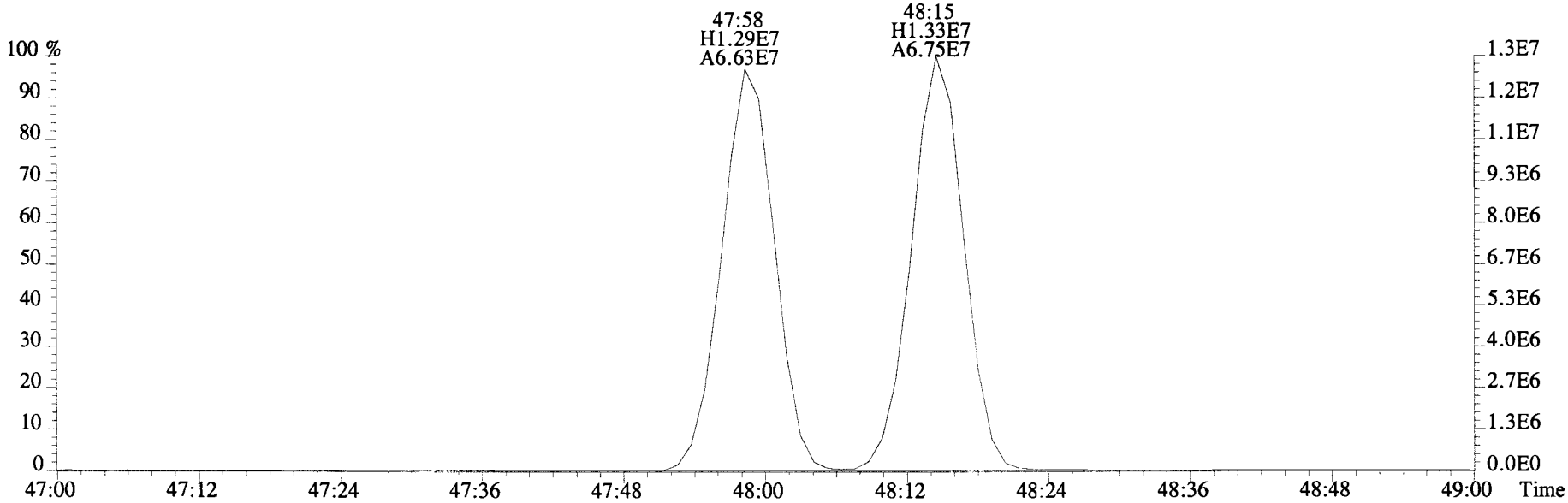

373.8788 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13628.0,0.00%,F,F)



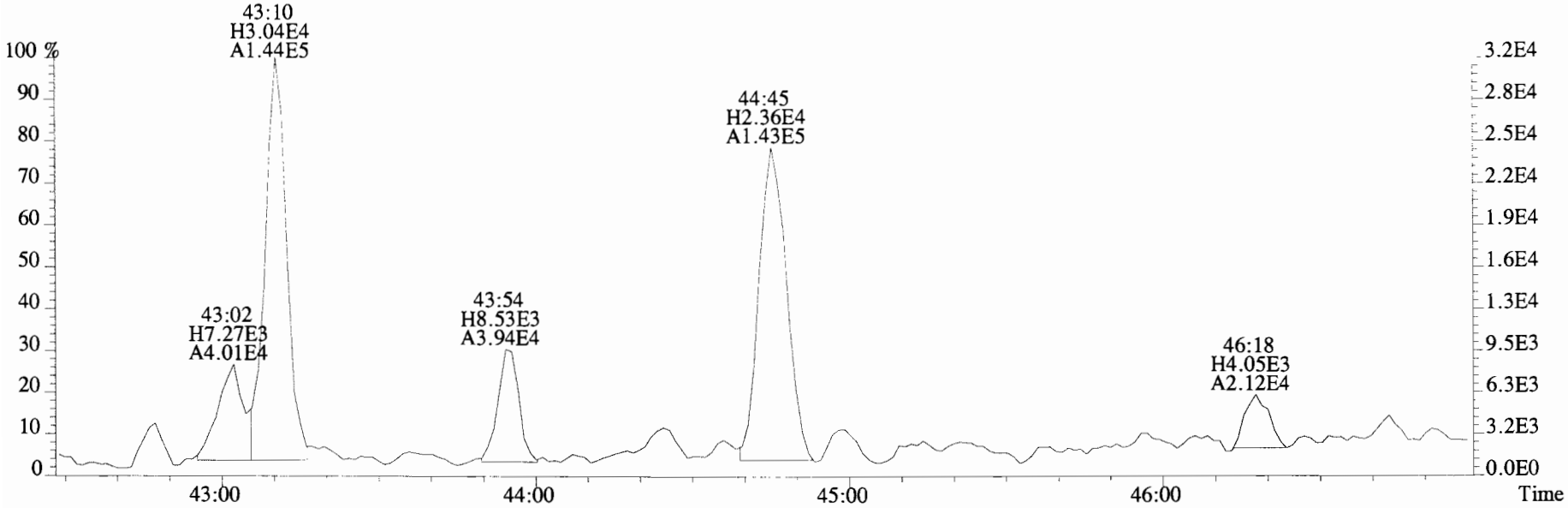
File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
371.8817 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15492.0,0.00%,F,F)



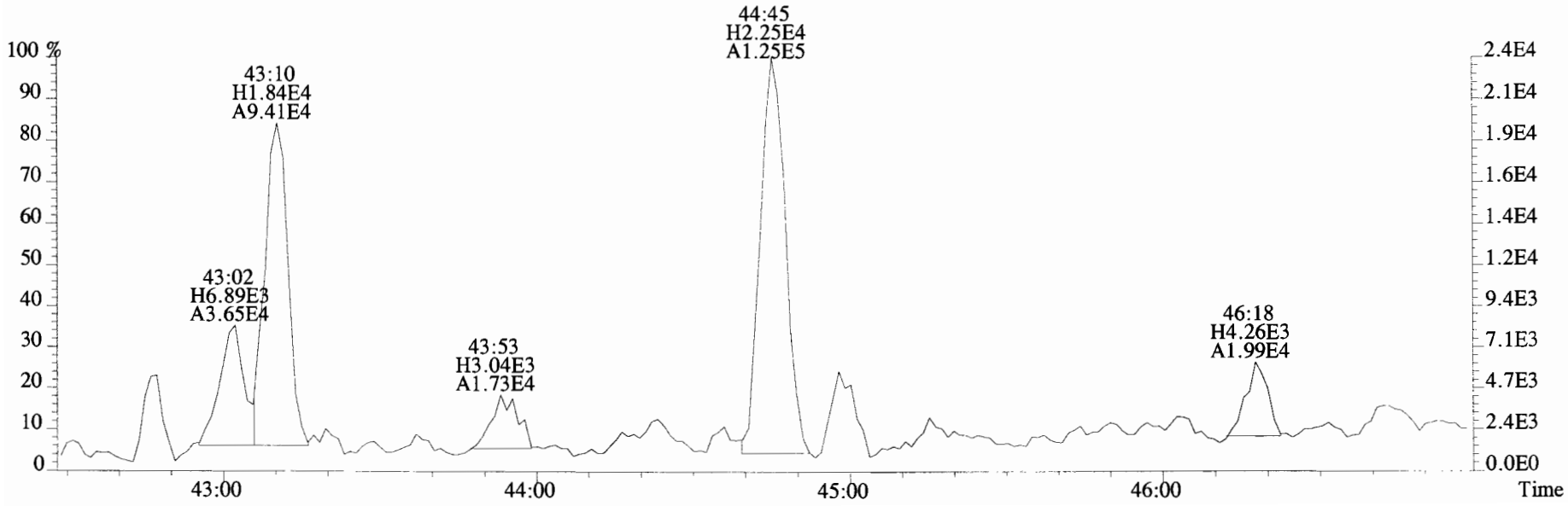

373.8788 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13628.0,0.00%,F,F)



File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
359.8415 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2396.0,0.00%,F,F)

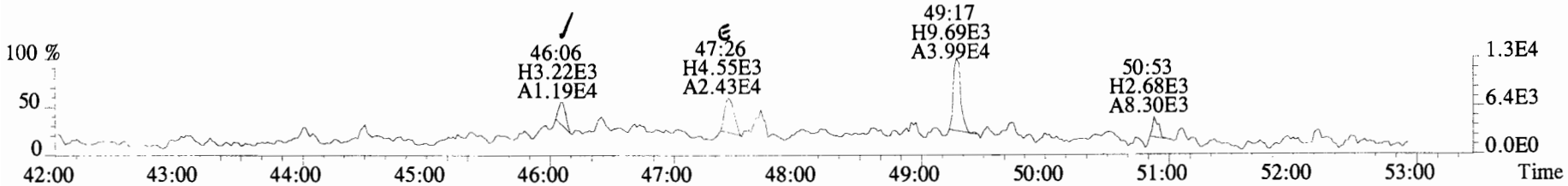



361.8385 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2472.0,0.00%,F,F)

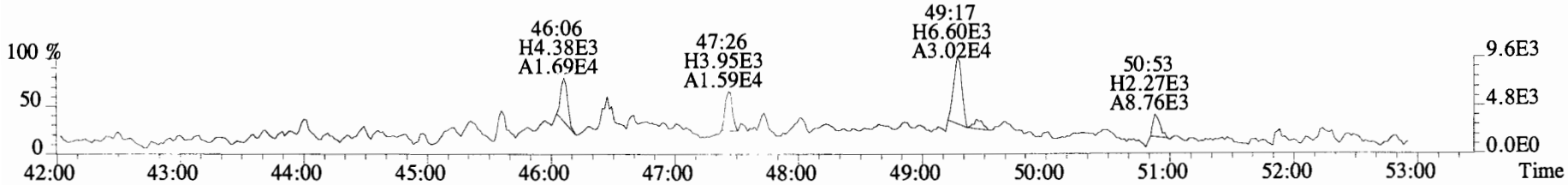


File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1

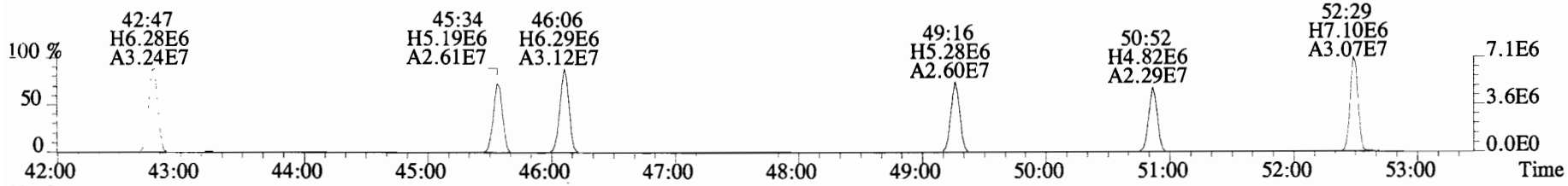
393.8025 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2896.0,0.00%,F,F)



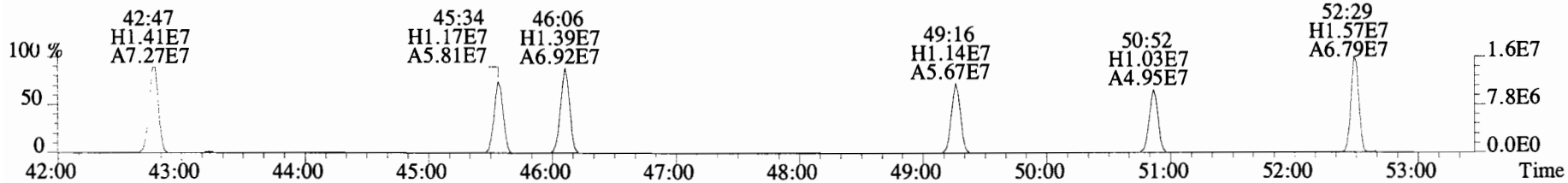

395.7995 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2556.0,0.00%,F,F)



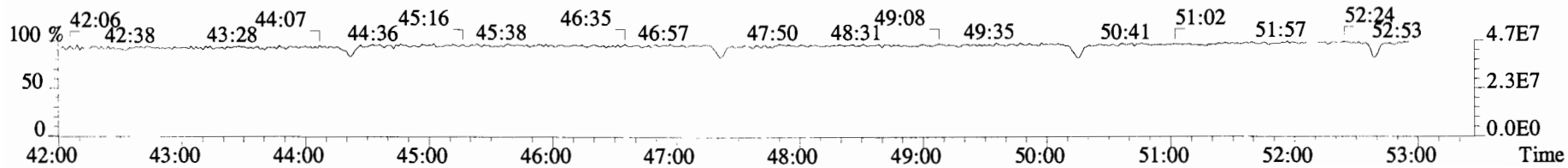

403.8457 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4728.0,0.00%,F,F)



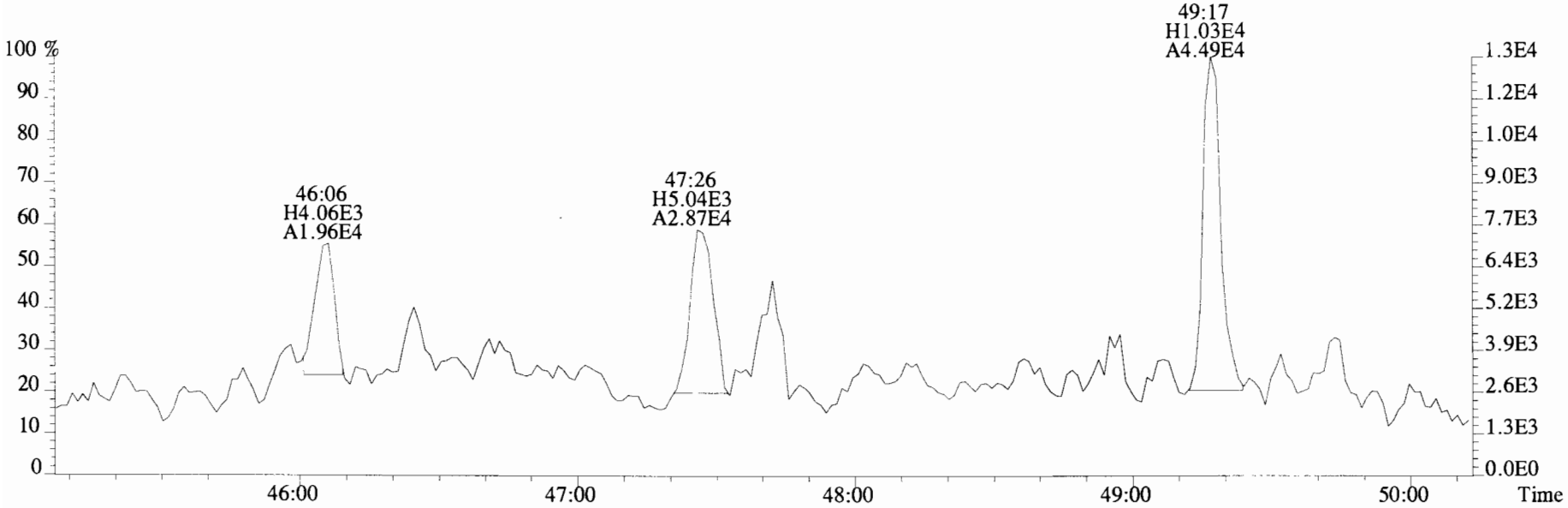

405.8428 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9100.0,0.00%,F,F)



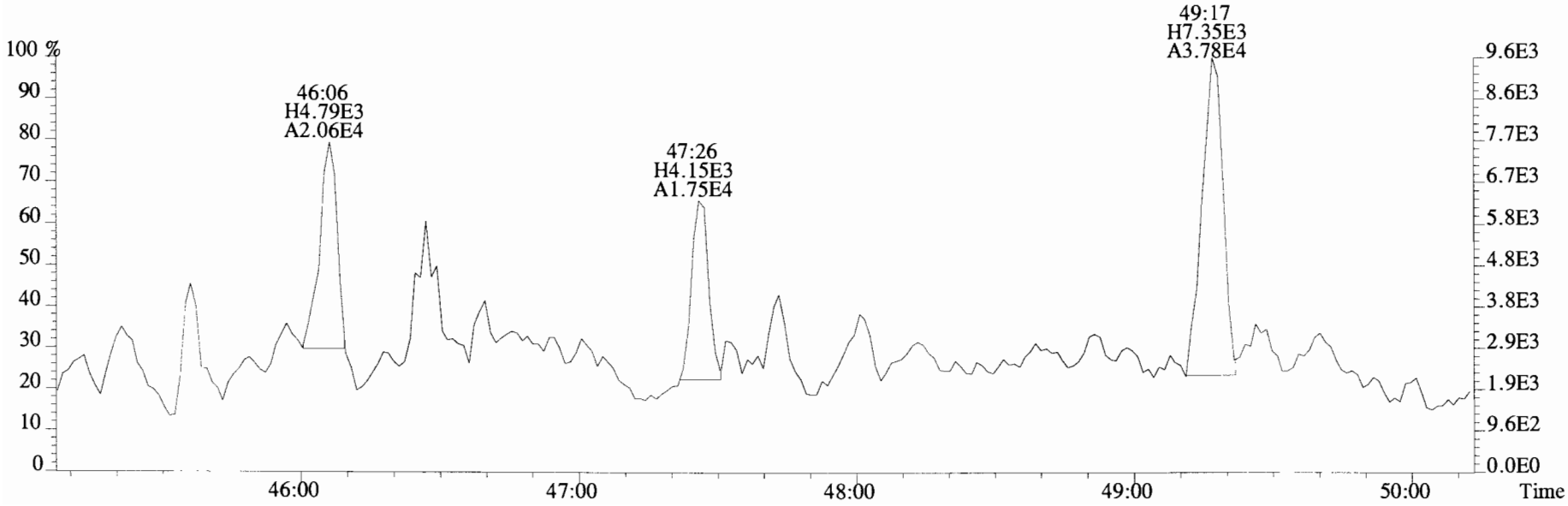

380.9760 S:10 F:4



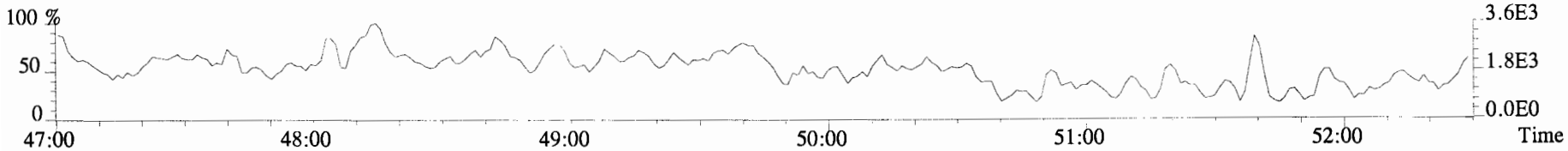
File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
393.8025 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2896.0,0.00%,F,F)



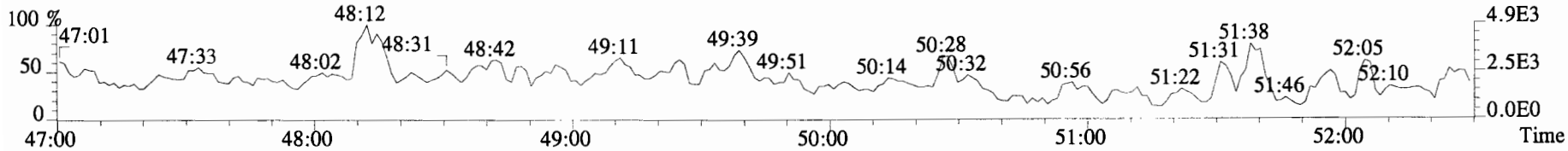

395.7995 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2556.0,0.00%,F,F)



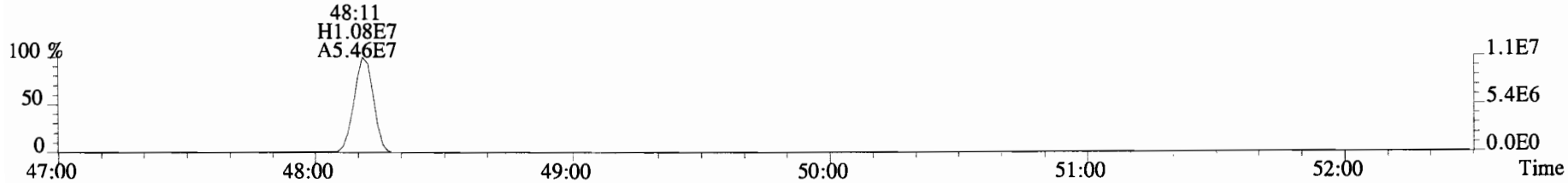
File:180409E1 #1-574 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
427.7635 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2280.0,0.00%,F,F)



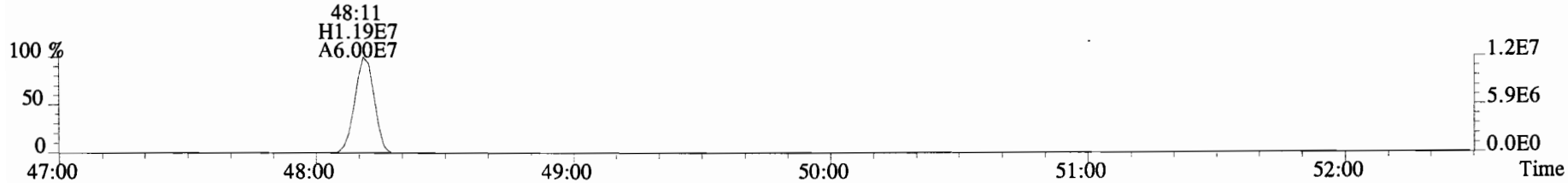

429.7606 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2392.0,0.00%,F,F)



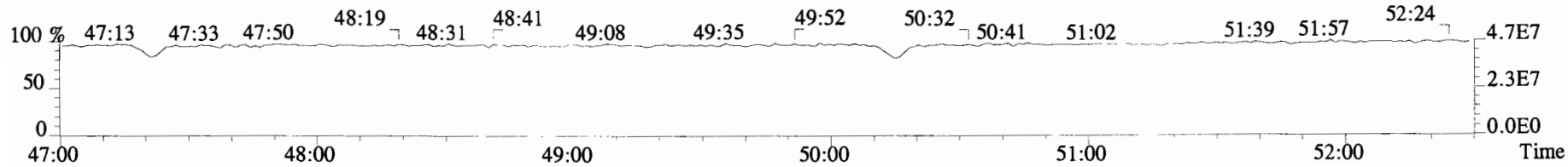

439.8038 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2492.0,0.00%,F,F)



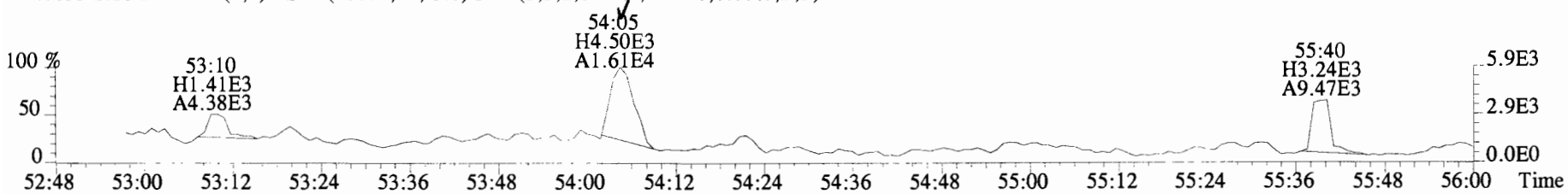

441.8008 S:10 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2416.0,0.00%,F,F)



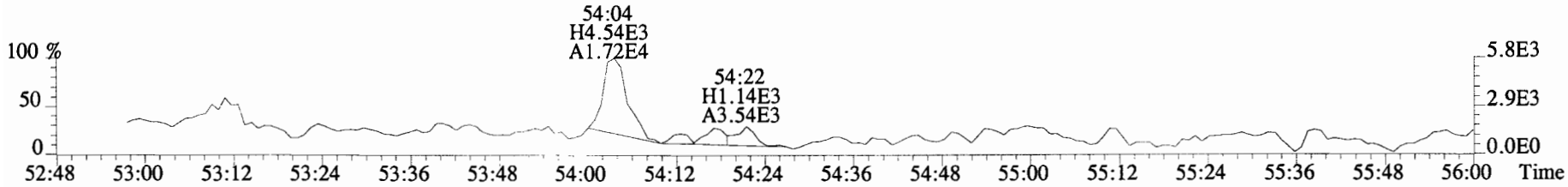

380.9760 S:10 F:4



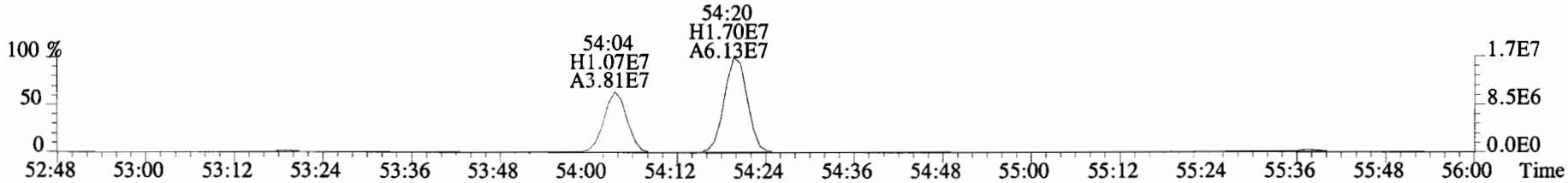
File:180409E1 #1-407 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
427.7635 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1236.0,0.00%,F,F)



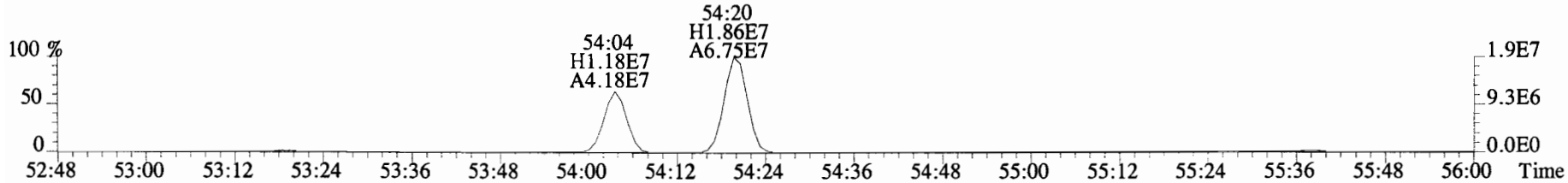

429.7606 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1592.0,0.00%,F,F)



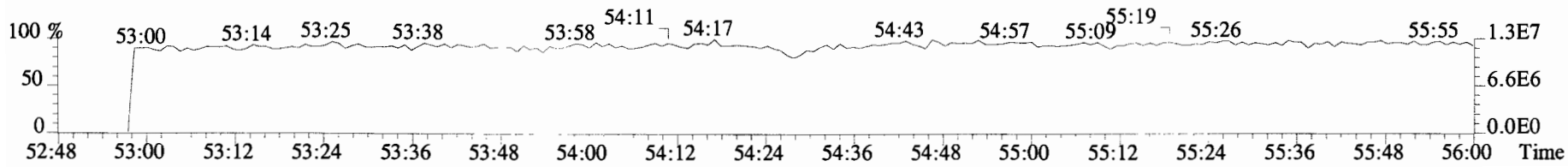

439.8038 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4864.0,0.00%,F,F)



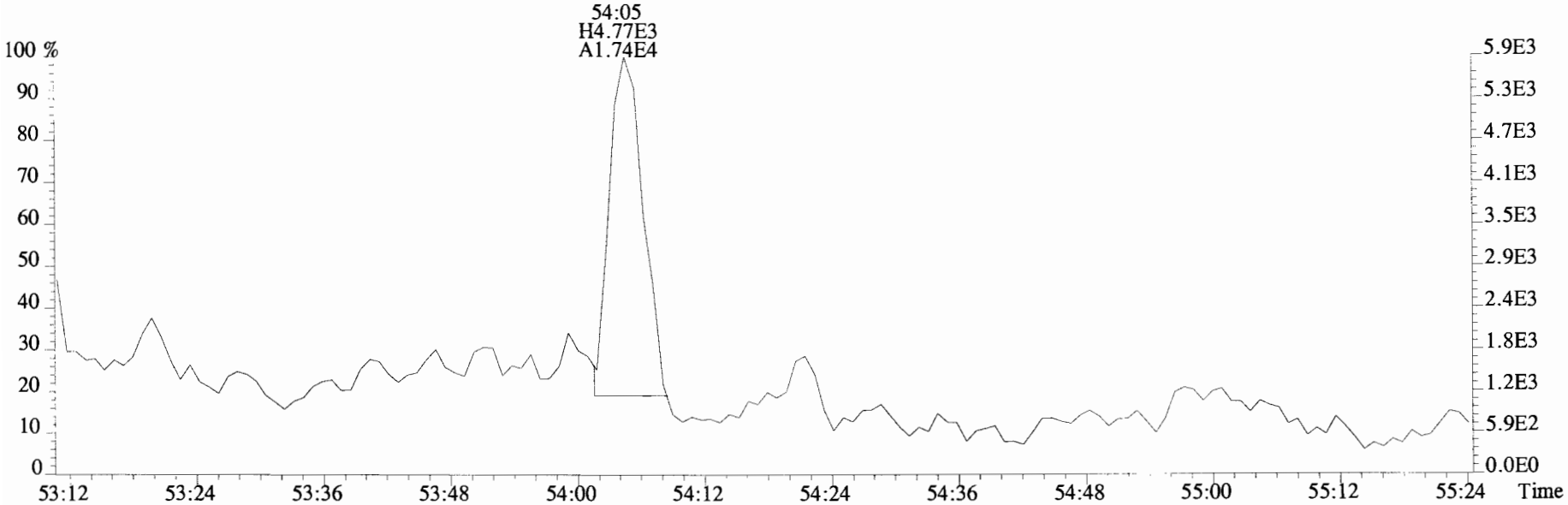

441.8008 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5780.0,0.00%,F,F)



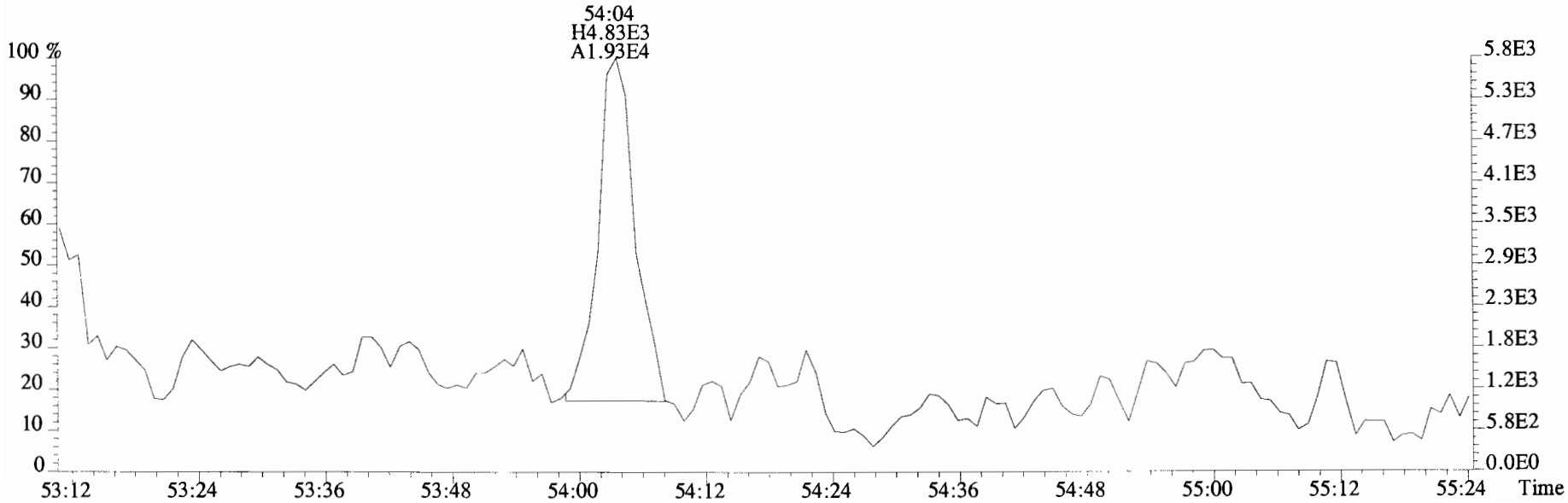

492.9697 S:10 F:5



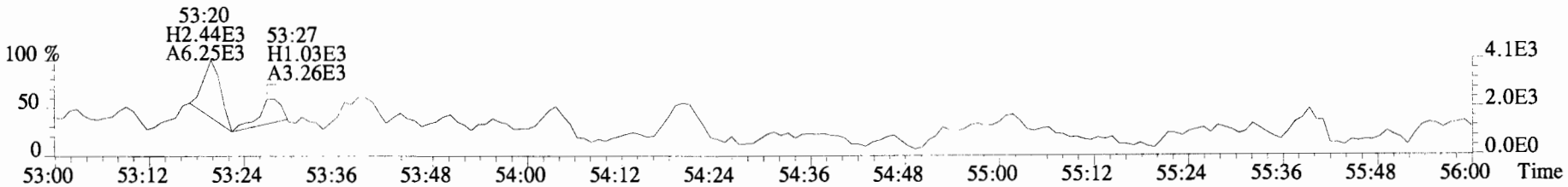
File:180409E1 #1-407 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
427.7635 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1236.0,0.00%,F,F)



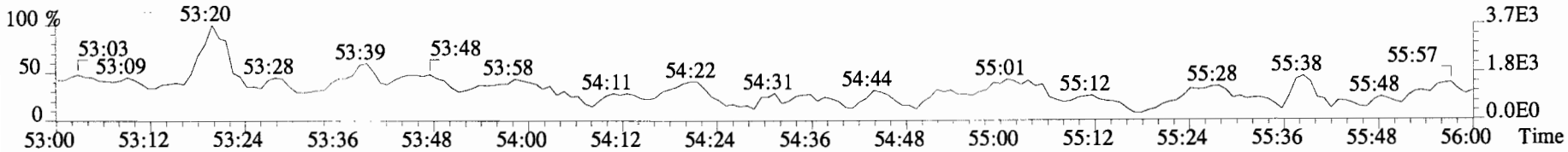

429.7606 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1592.0,0.00%,F,F)



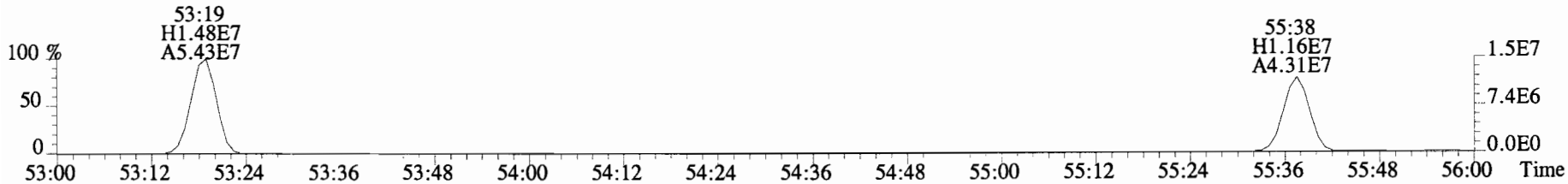
File:180409E1 #1-407 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
463.7216 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1432.0,0.00%,F,F)



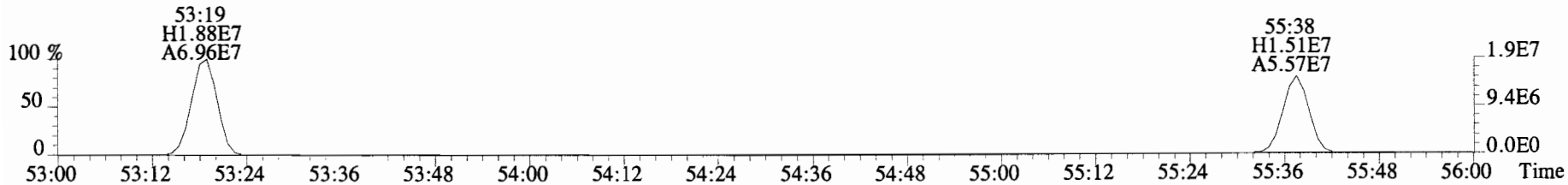

465.7186 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1500.0,0.00%,F,F)



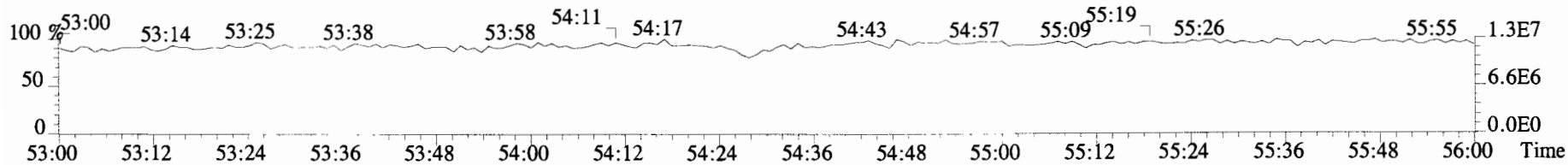

473.7648 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17708.0,0.00%,F,F)



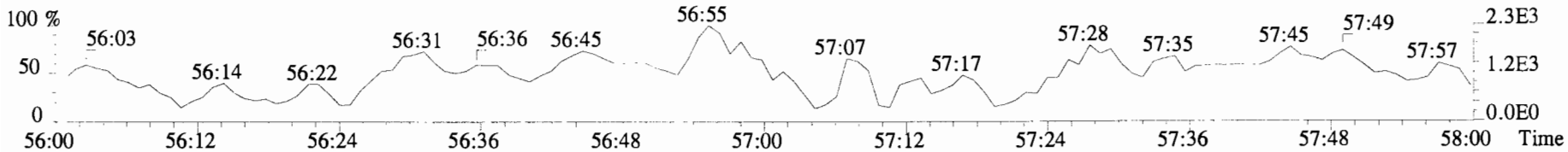

475.7619 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22248.0,0.00%,F,F)



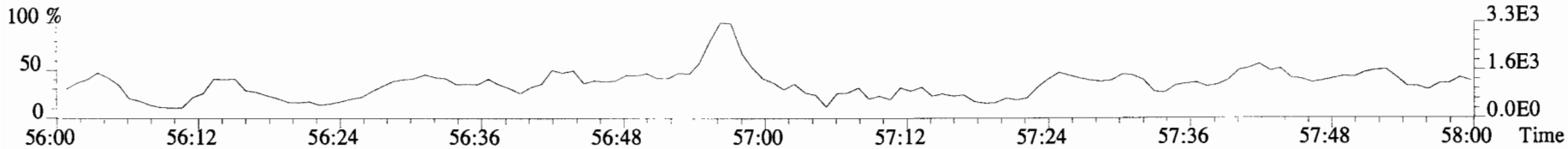

492.9697 S:10 F:5



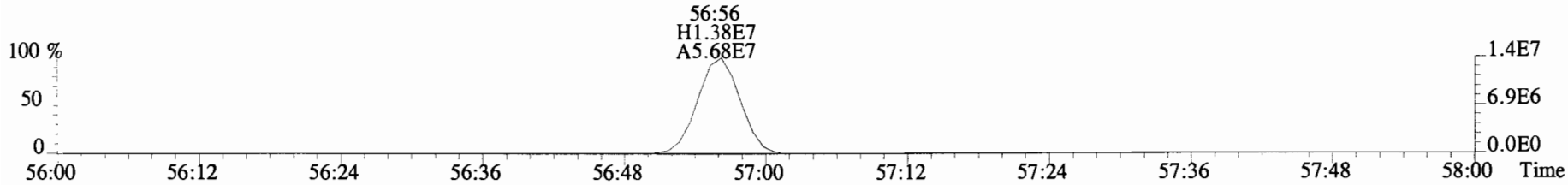
File:180409E1 #1-407 Acq:10-APR-2018 03:19:53 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG-8 Text:1701560-04 OWS-ROIS-T171026131614 1 Exp:PCB_ZB1
497.6826 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1408.0,0.00%,F,F)



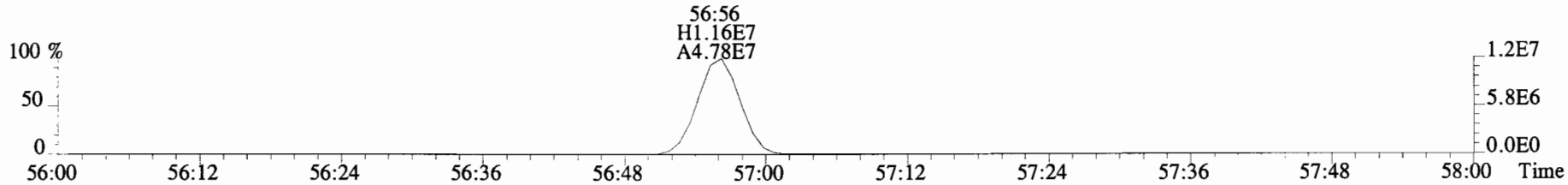

499.6797 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1476.0,0.00%,F,F)



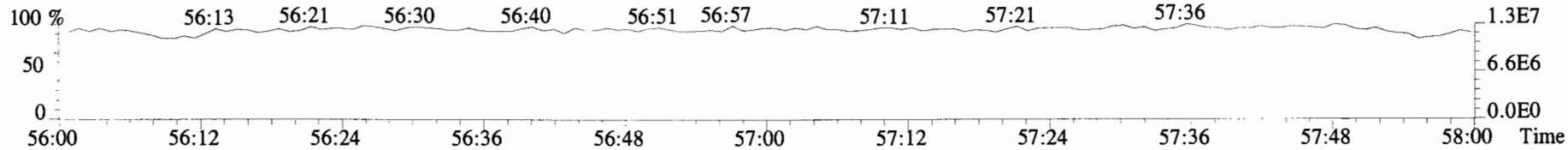

509.7229 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1560.0,0.00%,F,F)




511.7199 S:10 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1916.0,0.00%,F,F)




492.9697 S:10 F:5



Client ID: OWS-SCHU-T171026132034 Filename: 180409E1 S.11 Acq:10-APR-18 04:25:00 ConCal: ST180409E1-1
Lab ID: 470156[illegible] GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.921 EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 4.06e+06 | 3.09 | y | 15:59 | 1.07 | 92.97 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Mono | PCB-2 | 7.57e+04 | 3.58 | y | 18:24 | 1.06 | 1.643 | | * | 2.5 | * | 0.989 | 0.983-0.993 |
| Mono | PCB-3 | 9.18e+05 | 2.95 | y | 18:37 | 1.06 | 19.89 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-4/10 | 2.68e+08 | 1.57 | y | 19:59 | 1.24 | 6821 | | * | 2.5 | * | 1.002 | 0.998-1.008 |
| Di | PCB-7/9 | * | * | n | NotF | 0.99 | * | | 35200 | 1.0 | 6.28 | * | 0.863-0.871 |
| Di | PCB-6 | 7.58e+05 | 1.56 | y | 22:26 | 1.06 | 13.54 | | * | 2.5 | * | 0.893 | 0.888-0.897 |
| Di | PCB-5/8 | 2.72e+06 | 1.64 | y | 22:49 | 1.03 | 50.09 | | * | 2.5 | * | 0.908 | 0.904-0.913 |
| Di | PCB-14 | * | * | n | NotF | 1.03 | * | | 4650 | 2.5 | 2.00 | * | 0.948-0.958 |
| Di | PCB-11 | 4.98e+05 | 1.63 | y | 25:09 | 1.11 | 7.916 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | 5.60e+05 | 1.62 | y | 25:31 | 1.02 | 9.717 | | * | 2.5 | * | 1.015 | 1.011-1.021 |
| Di | PCB-15 | 8.50e+06 | 1.59 | y | 25:51 | 1.05 | 142.4 | | * | 2.5 | * | 1.029 | 1.023-1.033 |
| Tri | PCB-19 | 8.26e+07 | 1.04 | y | 24:07 | 1.20 | 1938 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | * | * | n | NotF | 1.93 | * | | 1810 | 2.5 | 0.511 | * | 1.034-1.044 |
| Tri | PCB-18 | 1.22e+07 | 1.01 | y | 25:46 | 0.91 | 252.6 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 7.80e+06 | 1.05 | y | 25:57 | 0.84 | 175.5 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 3.58e+07 | 1.03 | y | 26:31 | 1.15 | 588.2 | | * | 2.5 | * | 0.981 | 0.977-0.986 |
| Tri | PCB-16/32 | 1.60e+07 | 1.03 | y | 27:03 | 1.02 | 296.5 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-34 | 2.24e+05 | 1.09 | y | 27:51 | 0.96 | 4.515 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-23 | * | * | n | NotF | 0.95 | * | | 1860 | 2.5 | 0.990 | * | 0.958-0.968 |
| Tri | PCB-29 | * | * | n | NotF | 0.96 | * | | 1860 | 2.5 | 0.976 | * | 0.966-0.976 |
| Tri | PCB-26 | 4.36e+06 | 0.97 | y | 28:23 | 1.00 | 83.89 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 9.76e+05 | 0.93 | y | 28:34 | 1.06 | 17.84 | | * | 2.5 | * | 0.985 | 0.980-0.990 |
| Tri | PCB-31 | 5.46e+06 | 0.95 | y | 28:54 | 1.10 | 95.97 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 5.75e+06 | 1.07 | y | 29:01 | 1.14 | 97.62 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 8.71e+05 | 0.93 | y | 29:41 | 1.00 | 16.89 | | * | 2.5 | * | 1.024 | 1.017-1.027 |
| Tri | PCB-22 | 7.54e+05 | 1.09 | y | 30:04 | 1.09 | 13.39 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | 5.69e+04 | 0.99 | y | 30:42 | 1.15 | 1.162 | | * | 2.5 | * | 0.934 | 0.929-0.939 |
| Tri | PCB-39 | 1.72e+05 | 0.98 | y | 31:09 | 1.07 | 3.785 | | * | 2.5 | * | 0.947 | 0.943-0.953 |
| Tri | PCB-38 | 2.83e+05 | 0.98 | y | 31:56 | 1.10 | 6.019 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-35 | 5.40e+04 | 0.80 | n | 32:28 | 1.12 | 1.130 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tri | PCB-37 | 1.80e+06 | 1.03 | y | 32:54 | 1.11 | 37.99 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 1.81e+06 | 0.80 | y | 27:53 | 1.07 | 30.63 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | 2.39e+05 | 0.70 | y | 29:03 | 0.87 | 4.969 | | * | 2.5 | * | 1.042 | 1.038-1.048 |
| Tetra | PCB-53 | 1.15e+07 | 0.79 | y | 29:42 | 1.01 | 255.8 | | * | 2.5 | * | 0.945 | 0.940-0.950 |
| Tetra | PCB-51 | 2.55e+06 | 0.79 | y | 30:02 | 1.10 | 52.12 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 2.93e+06 | 0.74 | y | 30:29 | 0.87 | 75.70 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 9.67e+05 | 0.72 | y | 30:58 | 0.84 | 26.01 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:
Analyst: DB
Date: 4/11/18

Reviewed by: CT Date: 4/12/18

Client ID: OWS-SCHU-T171026132034 Filename: 180409E1 S:11 Acq:10-APR-18 04:25:00 ConCal: ST180409E1-1 
Lab ID: 1701560-05 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.921 EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 1.92e+07 | 0.77 | y | 31:26 | 1.21 | 356.7 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 7.31e+05 | 0.81 | y | 31:34 | 1.45 | 11.33 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 1.26e+07 | 0.76 | y | 31:44 | 1.01 | 281.1 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 1.03e+07 | 0.78 | y | 31:56 | 0.91 | 233.5 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | 1.42e+06 | 0.78 | y | 32:04 | 1.13 | 25.91 | | * | 2.5 | * | 1.005 | 0.999-1.009 |
| Tetra | PCB-65 | 8.69e+04 | 0.85 | y | 32:19 | 1.27 | 1.410 | | * | 2.5 | * | 1.013 | 1.007-1.017 |
| Tetra | PCB-62 | * | * | n | NotF | 1.10 | * | | 1920 | 2.5 | 0.798 | * | 1.011-1.021 |
| Tetra | PCB-44 | 6.33e+06 | 0.73 | y | 32:44 | 0.85 | 152.9 | | * | 2.5 | * | 1.026 | 1.020-1.030 |
| Tetra | PCB-42/59 | 4.02e+06 | 0.77 | y | 32:57 | 1.02 | 81.23 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 1.16e+07 | 0.75 | y | 33:33 | 1.17 | 206.0 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 5.42e+05 | 0.68 | y | 33:49 | 1.28 | 8.755 | | * | 2.5 | * | 1.060 | 1.054-1.064 |
| Tetra | PCB-40 | 1.17e+06 | 0.77 | y | 34:01 | 0.62 | 38.56 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Tetra | PCB-57 | 1.15e+05 | 0.84 | y | 34:23 | 1.13 | 1.796 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 3.57e+05 | 0.76 | y | 34:41 | 1.10 | 5.694 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | * | * | n | NotF | 1.12 | * | | 1920 | 2.5 | 0.661 | * | 0.977-0.987 |
| Tetra | PCB-63 | 8.48e+05 | 0.72 | y | 34:57 | 1.00 | 14.90 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Tetra | PCB-74 | 4.04e+06 | 0.73 | y | 35:15 | 1.18 | 59.95 | | * | 2.5 | * | 0.995 | 0.989-0.999 |
| Tetra | PCB-61/70 | 4.43e+06 | 0.79 | y | 35:27 | 1.03 | 75.81 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 5.97e+06 | 0.82 | y | 35:40 | 1.13 | 92.41 | | * | 2.5 | * | 1.007 | 1.000-1.010 |
| Tetra | PCB-80 | * | * | n | NotF | 1.19 | * | | 1920 | 2.5 | 0.617 | * | 0.995-1.005 |
| Tetra | PCB-55 | 1.15e+05 | 0.99 | n | 36:09 | 1.16 | 1.672 | | * | 2.5 | * | 1.008 | 1.004-1.014 |
| Tetra | PCB-56/60 | 3.37e+06 | 0.76 | y | 36:40 | 1.04 | 54.32 | | * | 2.5 | * | 1.022 | 1.018-1.028 |
| Tetra | PCB-79 | 8.60e+04 | 0.87 | y | 37:46 | 1.17 | 1.237 | | * | 2.5 | * | 1.053 | 1.047-1.057 |
| Tetra | PCB-78 | * | * | n | NotF | 1.10 | * | | 1920 | 2.5 | 0.659 | * | 0.982-0.992 |
| Tetra | PCB-81 | * | * | n | NotF | 0.97 | * | | 1920 | 2.5 | 0.750 | * | 0.995-1.005 |
| Tetra | PCB-77 | 6.53e+05 | 0.67 | y | 39:34 | 1.08 | 10.20 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| | | | | | | | | | | | | | |
| Penta | PCB-104 | * | * | n | NotF | 1.08 | * | | 1200 | 2.5 | 0.800 | * | 0.996-1.006 |
| Penta | PCB-96 | 2.14e+05 | 2.01 | n | 33:51 | 1.13 | 4.311 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 1.99e+05 | 2.01 | n | 34:24 | 0.91 | 5.004 | | * | 2.5 | * | 1.056 | 1.051-1.061 |
| Penta | PCB-100 | 2.26e+05 | 1.46 | y | 34:44 | 0.93 | 5.578 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 3.61e+05 | 1.33 | y | 35:13 | 0.91 | 11.29 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 4.44e+06 | 1.62 | y | 35:44 | 1.17 | 108.3 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Penta | PCB-93 | * | * | n | NotF | 0.93 | * | | 1200 | 2.5 | 1.16 | * | 0.997-1.007 |
| Penta | PCB-88/91 | 1.41e+06 | 1.63 | y | 36:09 | 0.97 | 41.22 | | * | 2.5 | * | 1.012 | 1.005-1.015 |
| Penta | PCB-121 | * | * | n | NotF | 1.68 | * | | 1200 | 2.5 | 0.637 | * | 1.009-1.019 |
| Penta | PCB-84/92 | 2.37e+06 | 1.61 | y | 37:03 | 0.97 | 67.03 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 6.26e+04 | 1.58 | y | 37:14 | 1.06 | 1.615 | | * | 2.5 | * | 0.995 | 0.990-1.000 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-SCHU-T171026132034 Filename: 180409E1 S:11 Acq:10-APR-18 04:25:00 ConCal: ST180409E1-1 
Lab ID: 1701560-05 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.921 EndCAL. NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 3.07e+06 | 1.66 | y 37:27 | 1.08 | 78.30 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 8.35e+04 | 1.69 | y 37:38 | 1.48 | 1.553 | | * | 2.5 | * | 1.005 | 1.002-1.012 |
| Penta | PCB-99 | 1.77e+06 | 1.59 | y 37:46 | 1.25 | 38.69 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 2.22e+05 | 1.72 | y 38:13 | 1.70 | 3.998 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Penta | PCB-108/112 | 4.04e+05 | 1.77 | y 38:24 | 1.40 | 8.813 | | * | 2.5 | * | 0.992 | 0.986-0.996 |
| Penta | PCB-83 | * | * | n NotF╗ | 1.75 | * | | 1200 | 2.5 | 0.677 | * | 0.990-1.000 |
| Penta | PCB-97 | 9.27e+05 | 1.47 | y 38:44 | 1.17 | 24.15 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | * | * | n NotF╗ | 1.08 | * | | 1200 | 2.5 | 1.10 | * | 0.999-1.009 |
| Penta | PCB-87/117/125 | 1.61e+06 | 1.54 | y 39:01 | 1.55 | 31.71 | | * | 2.5 | * | 1.008 | 1.002-1.012 |
| Penta | PCB-111/115 | 9.03e+04 | 1.49 | y 39:10 | 1.79 | 1.541 | | * | 2.5 | * | 1.012 | 1.006-1.016 |
| Penta | PCB-85/116 | 6.73e+05 | 1.54 | y 39:16 | 1.29 | 15.96 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | * | * | n NotF╗ | 1.98 | * | | 1200 | 2.5 | 0.599 | * | 1.016-1.026 |
| Penta | PCB-110 | 4.68e+06 | 1.52 | y 39:41 | 1.69 | 84.91 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 3.51e+05 | 1.80 | n 40:17 | 0.81 | 9.896 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 1.48e+05 | 1.74 | y 40:58 | 1.30 | 2.593 | | * | 2.5 | * | 0.992 | 0.988-0.998 |
| Penta | PCB-107/109 | 2.76e+05 | 1.66 | y 41:08 | 1.31 | 4.780 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Penta | PCB-123 | 4.65e+04 | 1.37 | y 41:17 | 1.12 | 0.9461 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 2.72e+06 | 1.66 | y 41:29 | 1.18 | 50.56 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-114 | 7.91e+04 | 1.70 | y 42:08 | 1.11 | 1.793 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-122 | * | * | n NotF╗ | 1.03 | * | | 1060 | 2.5 | 0.880 | * | 0.999-1.009 |
| Penta | PCB-105 | 9.70e+05 | 1.63 | y 43:00 | 1.12 | 24.03 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-127 | * | * | n NotF╗ | 1.12 | * | | 1060 | 2.5 | 0.767 | * | 0.995-1.005 |
| Penta | PCB-126 | * | * | n NotF╗ | 1.20 | * | | 1060 | 2.5 | 0.795 | * | 0.995-1.005 |
| | | | | | | | | | | | | |
| Hexa | PCB-155 | * | * | n NotF╗ | 0.99 | * | | 1100 | 2.5 | 0.770 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n NotF╗ | 1.02 | * | | 1100 | 2.5 | 0.739 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n NotF╗ | 1.16 | * | | 1100 | 2.5 | 0.655 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n NotF╗ | 1.13 | * | | 1100 | 2.5 | 0.671 | * | 1.054-1.064 |
| Hexa | PCB-136 | 4.22e+05 | 1.21 | y 39:28 | 1.02 | 10.12 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n NotF╗ | 0.77 | * | | 1100 | 2.5 | 0.979 | * | 1.066-1.076 |
| Hexa | PCB-154 | 7.53e+04 | 1.09 | y 40:05 | 0.88 | 2.113 | | * | 2.5 | * | 1.084 | 1.079-1.089 |
| Hexa | PCB-151 | 6.03e+05 | 1.36 | y 40:43 | 0.75 | 19.69 | | * | 2.5 | * | 1.101 | 1.095-1.107 |
| Hexa | PCB-135 | 3.63e+05 | 1.25 | y 40:56 | 0.86 | 10.35 | | * | 2.5 | * | 1.107 | 1.101-1.113 |
| Hexa | PCB-144 | 4.31e+04 | 1.09 | y 41:04 | 0.77 | 1.382 | | * | 2.5 | * | 1.111 | 1.105-1.116 |
| Hexa | PCB-147 | 8.43e+04 | 0.73 | n 41:11 | 0.80 | 2.572 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 1.21e+06 | 1.32 | y 41:25 | 0.88 | 33.90 | | * | 2.5 | * | 1.120 | 1.115-1.127 |
| Hexa | PCB-140 | * | * | n NotF╗ | 0.77 | * | | 1100 | 2.5 | 0.987 | * | 1.120-1.132 |
| Hexa | PCB-134/143 | 1.82e+05 | 1.16 | y 42:04 | 0.76 | 5.054 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-SCHU-T171026132034 Filename: 180409E1 S.11 Acq:10-APR 18 04:25.00 ConCal: ST180409E1-1
Lab ID: 1701560-05 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.921 EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL | UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 1.64e+05 | 1.07 | y | 42:21 | 0.82 | 4.235 | | * | 2.5 | * | 0.981 | 0.977 | 0.987 |
| Hexa | PCB-142 | * | * | n | NotF | 0.73 | * | | 1140 | 2.5 | 0.932 | * | 0.981 | 0.991 |
| Hexa | PCB-146/165 | 4.33e+05 | 1.32 | y | 42:45 | 1.02 | 8.966 | | * | 2.5 | * | 0.991 | 0.986 | 0.996 |
| Hexa | PCB-132/161 | 5.96e+05 | 1.22 | y | 43:01 | 1.00 | 12.54 | | * | 2.5 | * | 0.997 | 0.992 | 1.002 |
| Hexa | PCB-153 | 1.43e+06 | 1.26 | y | 43:09 | 1.08 | 27.96 | | * | 2.5 | * | 1.000 | 0.995 | 1.005 |
| Hexa | PCB-168 | * | * | n | NotF | 1.12 | * | | 1140 | 2.5 | 0.611 | * | 1.000 | 1.010 |
| Hexa | PCB-141 | 1.86e+05 | 1.10 | y | 43:53 | 1.02 | 4.583 | | * | 2.5 | * | 1.000 | 0.995 | 1.005 |
| Hexa | PCB-137 | 1.13e+05 | 1.07 | y | 44:16 | 1.10 | 2.576 | | * | 2.5 | * | 1.009 | 1.004 | 1.014 |
| Hexa | PCB-130 | 1.37e+05 | 1.35 | y | 44:23 | 0.81 | 4.275 | | * | 2.5 | * | 1.011 | 1.007 | 1.017 |
| Hexa | PCB-138/163/164 | 2.23e+06 | 1.24 | y | 44:45 | 1.23 | 41.90 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Hexa | PCB-158/160 | 1.93e+05 | 1.35 | y | 44:58 | 1.18 | 3.783 | | * | 2.5 | * | 1.006 | 1.001 | 1.011 |
| Hexa | PCB-129 | 7.87e+04 | 1.09 | y | 45:14 | 0.78 | 2.337 | | * | 2.5 | * | 1.012 | 1.007 | 1.017 |
| Hexa | PCB-166 | * | * | n | NotF | 1.13 | * | | 1140 | 2.5 | 0.552 | * | 0.988 | 0.998 |
| Hexa | PCB-159 | * | * | n | NotF | 1.16 | * | | 1140 | 2.5 | 0.537 | * | 0.995 | 1.005 |
| Hexa | PCB-128/162 | 3.13e+05 | 1.13 | y | 46:16 | 0.89 | 6.737 | | * | 2.5 | * | 1.006 | 1.002 | 1.012 |
| Hexa | PCB-167 | 7.37e+04 | 1.56 | n | 46:42 | 1.02 | 1.387 | | * | 2.5 | * | 1.001 | 0.995 | 1.005 |
| Hexa | PCB-156 | 1.61e+05 | 1.49 | n | 47:58 | 1.06 | 2.904 | | * | 2.5 | * | 1.000 | 0.995 | 1.005 |
| Hexa | PCB-157 | 4.67e+04 | 2.14 | n | 48:14 | 1.02 | 0.8753 | | * | 2.5 | * | 1.000 | 0.996 | 1.006 |
| Hexa | PCB-169 | * | * | n | NotF | 1.13 | * | | 1140 | 2.5 | 0.558 | * | 0.995 | 1.005 |
| Hepta | PCB-188 | * | * | n | NotF | 1.37 | * | | 1270 | 2.5 | 0.460 | * | 0.995 | 1.005 |
| Hepta | PCB-184 | * | * | n | NotF | 1.32 | * | | 1270 | 2.5 | 0.478 | * | 1.006 | 1.016 |
| Hepta | PCB-179 | 2.63e+05 | 1.00 | y | 44:00 | 1.38 | 5.141 | | * | 2.5 | * | 1.029 | 1.024 | 1.034 |
| Hepta | PCB-176 | 6.44e+04 | 1.13 | y | 44:27 | 1.31 | 1.329 | | * | 2.5 | * | 1.039 | 1.035 | 1.045 |
| Hepta | PCB-186 | * | * | n | NotF | 1.42 | * | | 1270 | 2.5 | 0.444 | * | 1.049 | 1.059 |
| Hepta | PCB-178 | 1.63e+05 | 0.92 | y | 45:35 | 0.97 | 4.552 | | * | 2.5 | * | 1.066 | 1.060 | 1.070 |
| Hepta | PCB-175 | * | * | n | NotF | 1.00 | * | | 1270 | 2.5 | 0.632 | * | 1.069 | 1.079 |
| Hepta | PCB-182/187 | 5.34e+05 | 1.09 | y | 46:05 | 1.14 | 12.63 | | * | 2.5 | * | 1.078 | 1.072 | 1.082 |
| Hepta | PCB-183 | 9.24e+04 | 0.78 | n | 46:24 | 1.13 | 2.214 | | * | 2.5 | * | 1.085 | 1.080 | 1.090 |
| Hepta | PCB-185 | 2.93e+04 | 1.13 | y | 47:05 | 1.36 | 0.7647 | | * | 2.5 | * | 0.956 | 0.950 | 0.960 |
| Hepta | PCB-174 | 2.18e+05 | 0.97 | y | 47:26 | 1.42 | 5.440 | | * | 2.5 | * | 0.963 | 0.958 | 0.968 |
| Hepta | PCB-181 | * | * | n | NotF | 1.48 | * | | 1270 | 2.5 | 0.551 | * | 0.960 | 0.970 |
| Hepta | PCB-177 | 1.72e+05 | 1.24 | n | 47:42 | 1.33 | 4.563 | | * | 2.5 | * | 0.969 | 0.963 | 0.973 |
| Hepta | PCB-171 | 8.33e+04 | 1.04 | y | 47:59 | 1.37 | 2.147 | | * | 2.5 | * | 0.974 | 0.969 | 0.979 |
| Hepta | PCB-173 | * | * | n | NotF | 1.27 | * | | 1270 | 2.5 | 0.640 | * | 0.978 | 0.988 |
| Hepta | PCB-172 | 4.51e+04 | 1.07 | y | 48:52 | 1.39 | 1.149 | | * | 2.5 | * | 0.992 | 0.987 | 0.997 |
| Hepta | PCB-192 | * | * | n | NotF | 1.80 | * | | 1270 | 2.5 | 0.450 | * | 0.991 | 1.001 |
| Hepta | PCB-180 | 4.59e+05 | 1.08 | y | 49:17 | 1.52 | 10.69 | | * | 2.5 | * | 1.001 | 0.995 | 1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-SCHU-T171026132034 Filename: 180409E1 S:11 Acq:10-APR-18 04:25:00 ConCal: ST180409E1-1
Lab ID: 1701560-05 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.921 EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | 4.78e+04 | 1.01 | y | 49:29 | 1.71 | 0.9871 | | * | 2.5 | * | 1.005 | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n | NotF | 1.74 | * | | 1270 | 2.5 | 0.467 | * | 1.005-1.015 |
| Hepta | PCB-170 | 2.05e+05 | 1.11 | y | 50:51 | 1.44 | 5.714 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-190 | 3.50e+04 | 0.60 | n | 51:03 | 1.95 | 0.7170 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n | NotF | 1.46 | * | | 1270 | 2.5 | 0.395 | * | 0.995-1.005 |
| Octa | PCB-202 | 1.09e+05 | 0.79 | y | 48:12 | 1.06 | 2.678 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-201 | 3.10e+04 | 0.47 | n | 48:42 | 0.98 | 0.8232 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Octa | PCB-204 | * | * | n | NotF | 1.07 | * | | 1170 | 2.5 | 0.675 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n | NotF | 1.10 | * | | 1170 | 2.5 | 0.656 | * | 1.015-1.025 |
| Octa | PCB-200 | * | * | n | NotF | 1.04 | * | | 1170 | 2.5 | 0.691 | * | 1.034-1.044 |
| Octa | PCB-198 | * | * | n | NotF | 0.84 | * | | 1170 | 2.5 | 0.861 | * | 1.065-1.075 |
| Octa | PCB-199 | 1.94e+05 | 0.77 | y | 51:38 | 0.80 | 6.308 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 1.40e+05 | 0.70 | n | 51:55 | 0.84 | 4.331 | | * | 2.5 | * | 1.077 | 1.072-1.082 |
| Octa | PCB-195 | 3.68e+04 | 1.04 | n | 53:10 | 1.04 | 1.290 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 1.09e+05 | 1.13 | n | 54:03 | 1.16 | 3.423 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | * | * | n | NotF | 1.33 | * | | 1120 | 2.5 | 0.520 | * | 1.000-1.010 |
| Nona | PCB-208 | 5.92e+04 | 1.14 | y | 53:19 | 0.90 | 1.528 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | 2.46e+04 | 1.39 | y | 53:37 | 0.89 | 0.6415 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Nona | PCB-206 | 1.04e+05 | 1.03 | n | 55:36 | 0.88 | 3.445 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 5.17e+04 | 1.27 | y | 56:56 | 1.04 | 1.387 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-SCHU-T171026132034 Filename: 180409E1 S:11 Acq:10-APR-18 04:25:00 ConCal: ST180409E1-1
Lab ID: 1701560-05 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.921 EndCAL: NA

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | 5.06e+06 | 3.09 | y | 15:59 | 1.06 | 114.501 | |
| Total Di-PCB | 2.81e+08 | 1.57 | y | 19:59 | 1.04 | 7044.55 | |
| Total Tri-PCB | 1.54e+08 | 1.04 | y | 24:07 | 1.15 | 3250.78 | |
| Total Tri-PCB | 2.07e+07 | 1.09 | y | 27:51 | 1.05 | 379.073 | Sum:3629.85 |
| Total Tetra-PCB | 1.08e+08 | 0.80 | y | 27:53 | 1.06 | 2158.91 | |
| Total Penta-PCB | 2.56e+07 | 1.46 | y | 34:44 | 1.18 | 583.491 | |
| Total Penta-PCB | 1.05e+06 | 1.70 | y | 42:08 | 1.12 | 25.8276 | Sum:609.319 |
| Total Hexa-PCB | 2.72e+06 | 1.21 | y | 39:28 | 0.91 | 77.5678 | |
| Total Hexa-PCB | 6.05e+06 | 1.16 | y | 42:04 | 1.00 | 124.939 | Sum:202.507 |
| Total Hepta-PCB | 2.11e+06 | 1.00 | y | 44:00 | 1.35 | 50.5368 | |
| Total Octa-PCB | 3.03e+05 | 0.79 | y | 48:12 | 0.95 | 8.98577 | |
| Total Octa-PCB | * | * | n | NotFnd | 1.17 | * | Sum:8.98577 |
| Total Nona-PCB | 8.38e+04 | 1.14 | y | 53:19 | 0.89 | 2.16993 | |
| Total Deca-PCB | 5.17e+04 | 1.27 | y | 56:56 | 1.04 | 1.38724 | |

Total PCB Conc:13873.2700920

Integrations by Analyst: DB

Date: 4/11/18

Client ID: OWS-SCHU-T171026132034 Filename: 180409E1 S:11 Acq:10-APR-18 04:25:00 ConCal: ST180409E1-1
Lab ID: 1701560-05 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:0.9213 EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 8.84e+07 | 3.13 y | 1.13 | 15:59 | 0.619 | 0.616-0.622 | 979 | 45.1 |
| 13C-PCB-3 | 9.44e+07 | 3.16 y | 1.21 | 18:36 | 0.720 | 0.716-0.724 | 976 | 45.0 |
| 13C-PCB-4 | 6.91e+07 | 1.56 y | 0.59 | 19:57 | 0.772 | 0.769-0.777 | 1460 | 67.0 |
| 13C-PCB-9 | 1.15e+08 | 1.51 y | 0.94 | 21:45 | 0.842 | 0.837-0.845 | 1520 | 70.2 |
| 13C-PCB-11 | 1.23e+08 | 1.53 y | 0.95 | 25:08 | 0.973 | 0.968-0.978 | 1620 | 74.8 |
| 13C-PCB-19 | 7.73e+07 | 1.06 y | 0.62 | 24:06 | 0.933 | 0.928-0.938 | 1550 | 71.5 |
| 13C-PCB-28 | 1.12e+08 | 1.09 y | 1.05 | 29:00 | 1.004 | 0.999-1.009 | 1830 | 84.2 |
| 13C-PCB-32 | 1.15e+08 | 1.05 y | 0.91 | 27:02 | 1.046 | 1.041-1.051 | 1580 | 72.7 |
| 13C-PCB-37 | 9.25e+07 | 1.09 y | 1.02 | 32:53 | 1.138 | 1.132-1.144 | 1550 | 71.3 |
| 13C-PCB-47 | 1.05e+08 | 0.79 y | 0.83 | 31:55 | 0.870 | 0.867-0.875 | 1650 | 76.1 |
| 13C-PCB-52 | 9.64e+07 | 0.79 y | 0.76 | 31:25 | 0.857 | 0.853-0.861 | 1650 | 76.2 |
| 13C-PCB-54 | 1.19e+08 | 0.79 y | 0.93 | 27:52 | 0.760 | 0.756-0.764 | 1680 | 77.6 |
| 13C-PCB-70 | 1.24e+08 | 0.79 y | 1.00 | 35:26 | 0.966 | 0.961-0.971 | 1620 | 74.7 |
| 13C-PCB-77 | 1.28e+08 | 0.79 y | 0.96 | 39:33 | 1.079 | 1.073-1.083 | 1750 | 80.7 |
| 13C-PCB-80 | 1.29e+08 | 0.80 y | 1.00 | 35:52 | 0.978 | 0.973-0.983 | 1700 | 78.3 |
| 13C-PCB-81 | 1.30e+08 | 0.78 y | 1.01 | 38:57 | 1.062 | 1.057-1.067 | 1700 | 78.1 |
| 13C-PCB-95 | 7.60e+07 | 1.55 y | 0.80 | 35:44 | 0.912 | 0.908-0.918 | 1600 | 73.5 |
| 13C-PCB-97 | 7.09e+07 | 1.58 y | 0.70 | 38:43 | 0.989 | 0.984-0.994 | 1700 | 78.4 |
| 13C-PCB-101 | 7.91e+07 | 1.60 y | 0.80 | 37:26 | 0.956 | 0.951-0.961 | 1660 | 76.4 |
| 13C-PCB-104 | 9.53e+07 | 1.57 y | 1.01 | 32:34 | 0.831 | 0.828-0.836 | 1590 | 73.3 |
| 13C-PCB-105 | 7.80e+07 | 1.57 y | 1.14 | 42:58 | 0.929 | 0.924-0.934 | 1400 | 64.6 |
| 13C-PCB-114 | 8.61e+07 | 1.57 y | 1.18 | 42:07 | 0.910 | 0.905-0.915 | 1500 | 68.9 |
| 13C-PCB-118 | 9.89e+07 | 1.58 y | 1.00 | 41:28 | 1.059 | 1.054-1.064 | 1670 | 77.0 |
| 13C-PCB-123 | 9.54e+07 | 1.55 y | 0.95 | 41:17 | 1.054 | 1.049-1.059 | 1700 | 78.3 |
| 13C-PCB-126 | 8.02e+07 | 1.56 y | 1.14 | 45:13 | 0.977 | 0.972-0.982 | 1450 | 66.8 |
| 13C-PCB-127 | 8.71e+07 | 1.57 y | 1.24 | 43:19 | 0.936 | 0.931-0.941 | 1440 | 66.3 |
| 13C-PCB-138 | 9.35e+07 | 1.28 y | 1.17 | 44:43 | 0.966 | 0.962-0.972 | 1640 | 75.4 |
| 13C-PCB-141 | 8.66e+07 | 1.26 y | 1.11 | 43:53 | 0.948 | 0.944-0.954 | 1610 | 74.0 |
| 13C-PCB-153 | 1.03e+08 | 1.26 y | 1.34 | 43:09 | 0.933 | 0.928-0.938 | 1580 | 72.8 |
| 13C-PCB-155 | 8.84e+07 | 1.27 y | 0.83 | 36:58 | 0.944 | 0.939-0.949 | 1800 | 83.1 |
| 13C-PCB-156 | 1.13e+08 | 1.25 y | 1.38 | 47:58 | 1.037 | 1.032-1.042 | 1690 | 77.6 |
| 13C-PCB-157 | 1.13e+08 | 1.26 y | 1.37 | 48:14 | 1.043 | 1.037-1.047 | 1690 | 77.9 |
| 13C-PCB-159 | 1.13e+08 | 1.28 y | 1.39 | 46:00 | 0.994 | 0.989-0.999 | 1670 | 77.0 |
| 13C-PCB-167 | 1.13e+08 | 1.27 y | 1.40 | 46:40 | 1.009 | 1.004-1.014 | 1660 | 76.5 |
| 13C-PCB-169 | 1.13e+08 | 1.26 y | 1.39 | 50:27 | 1.090 | 1.085-1.095 | 1660 | 76.6 |
| 13C-PCB-170 | 5.42e+07 | 0.46 y | 0.86 | 50:51 | 1.103 | 1.097-1.109 | 1740 | 79.9 |
| 13C-PCB-180 | 6.15e+07 | 0.46 y | 0.98 | 49:15 | 1.068 | 1.064-1.074 | 1730 | 79.6 |
| 13C-PCB-188 | 8.03e+07 | 0.45 y | 1.40 | 42:46 | 0.928 | 0.923-0.933 | 1580 | 72.7 |
| 13C-PCB-189 | 7.45e+07 | 0.46 y | 1.15 | 52:29 | 1.138 | 1.132-1.144 | 1780 | 82.0 |
| 13C-PCB-194 | 5.98e+07 | 0.90 y | 0.77 | 54:02 | 0.995 | 0.990-1.000 | 1640 | 75.4 |
| 13C-PCB-202 | 8.36e+07 | 0.93 y | 1.28 | 48:11 | 1.045 | 1.040-1.050 | 1790 | 82.6 |
| 13C-PCB-206 | 7.44e+07 | 0.77 y | 0.81 | 55:35 | 1.024 | 1.019-1.029 | 1940 | 89.4 |
| 13C-PCB-208 | 9.39e+07 | 0.78 y | 1.09 | 53:18 | 0.982 | 0.977-0.987 | 1810 | 83.5 |
| 13C-PCB-209 | 7.77e+07 | 1.18 y | 0.74 | 56:56 | 1.048 | 1.043-1.053 | 2230 | 103 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.45e+08 | 0.80 y | 1.03 | 37:44 | 1.029 | 1.024-1.034 | 1840 | 84.8 |
| 13C-PCB-178 | 6.22e+07 | 0.46 y | 0.93 | 45:33 | 0.985 | 0.980-0.990 | 1840 | 84.9 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.45e+08 | 0.80 y | 1.03 | 37:44 | 0.969 | 0.963-0.973 | 2360 | 109 |
| 13C-PCB-178 | 6.22e+07 | 0.46 y | 0.95 | 45:33 | 0.925 | 0.920-0.930 | 2310 | 107 |

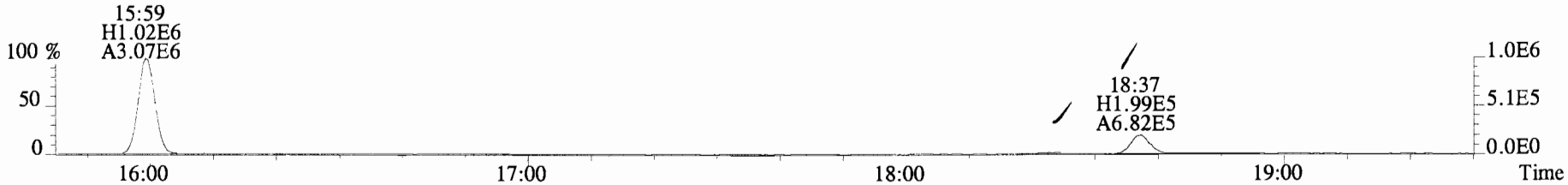
RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 1.73e+08 | 1.51 y | 1.00 | 25:50 | 2170 |
| 13C-PCB-31 | 1.27e+08 | 1.09 y | 1.00 | 28:53 | 2170 |
| 13C-PCB-60 | 1.66e+08 | 0.80 y | 1.00 | 36:40 | 2170 |
| 13C-PCB-111 | 1.29e+08 | 1.58 y | 1.00 | 39:10 | 2170 |
| 13C-PCB-128 | 1.06e+08 | 1.25 y | 1.00 | 46:16 | 2170 |
| 13C-PCB-182 | 7.90e+07 | 0.46 y | 1.00 | 46:06 | 2170 |
| 13C-PCB-205 | 1.03e+08 | 0.92 y | 1.00 | 54:18 | 2170 |

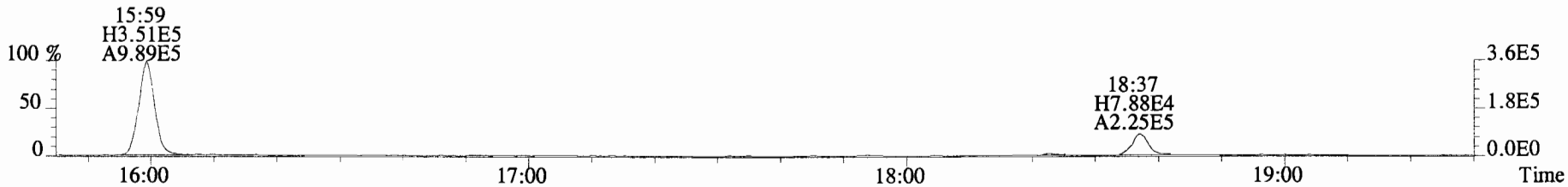
Analyst: DB

Date: 4/11/18

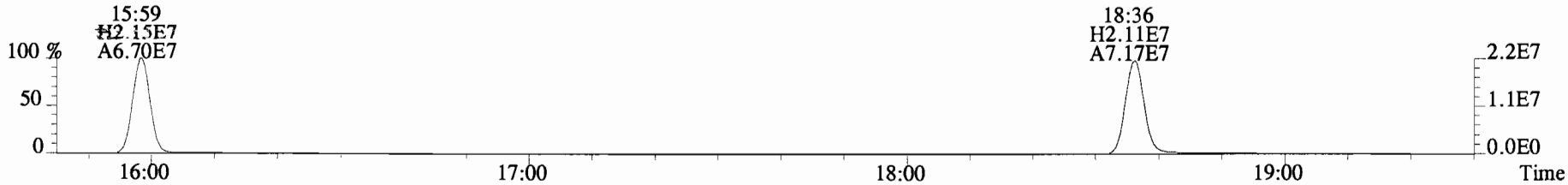
File:180409E1 #1-867 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
188.0393 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5324.0,0.00%,F,F)



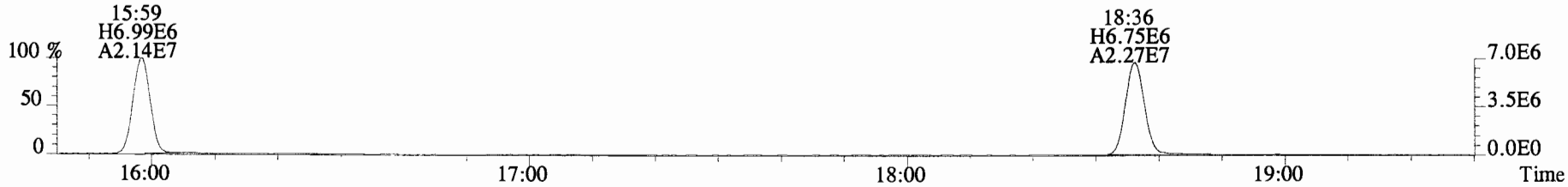

190.0363 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4064.0,0.00%,F,F)



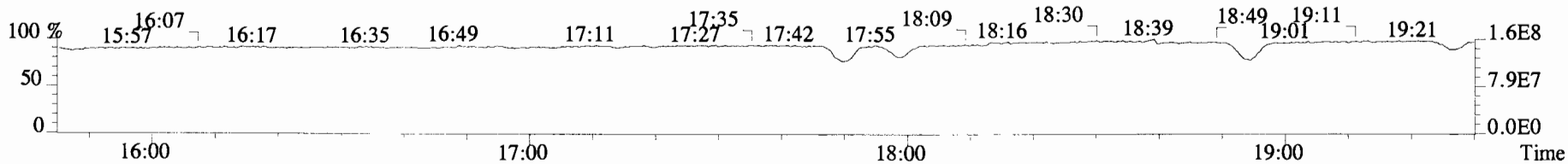

200.0795 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7344.0,0.00%,F,F)



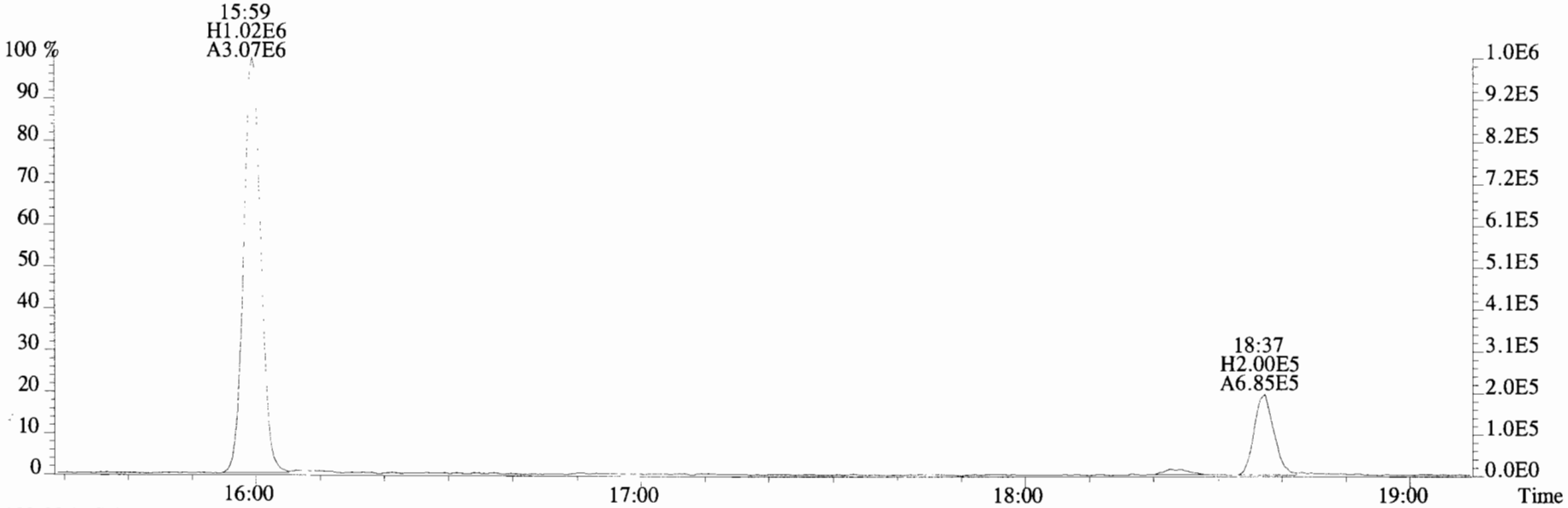

202.0766 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33040.0,0.00%,F,F)



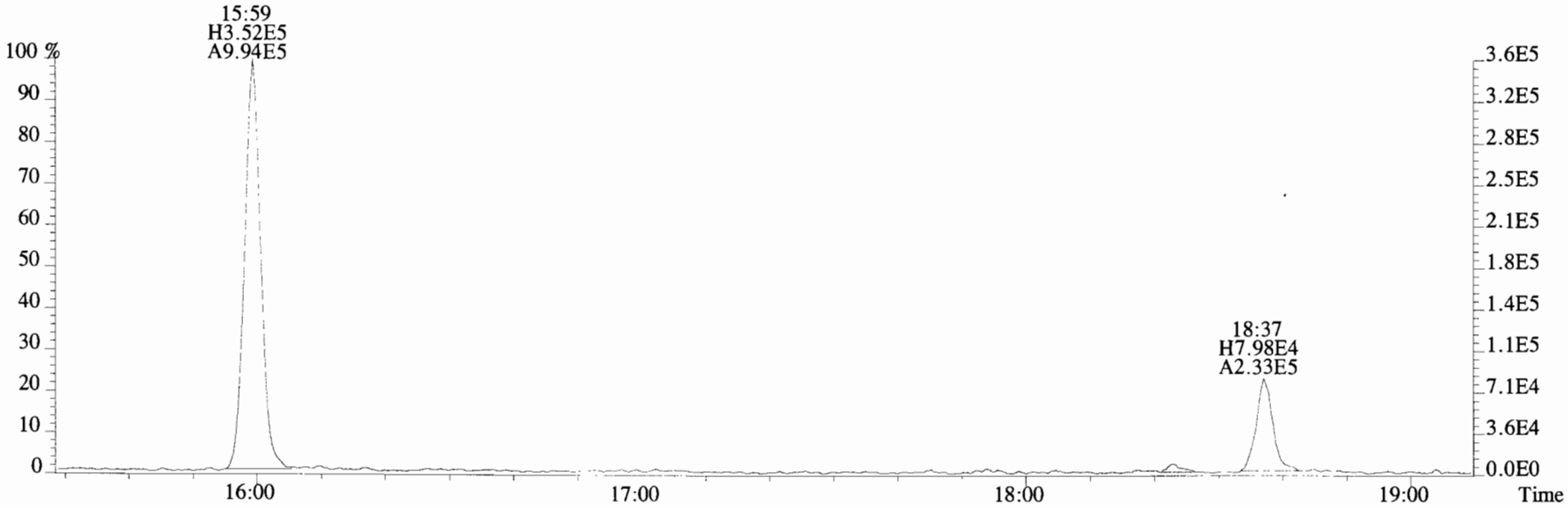

180.9880 S:11



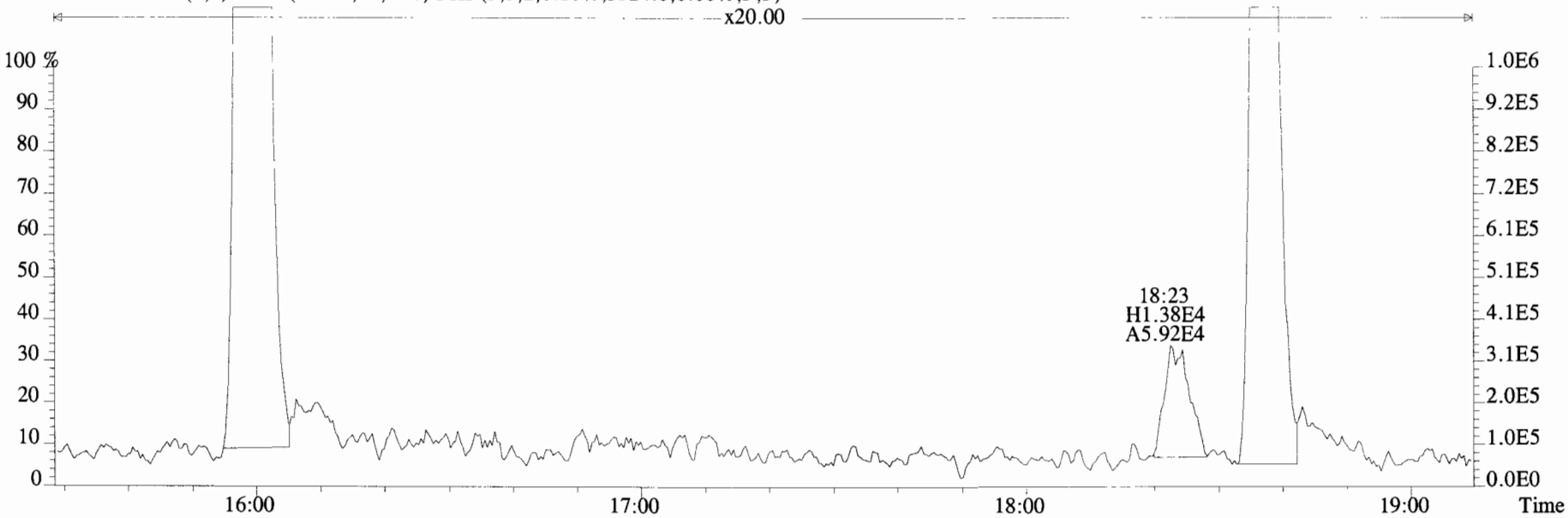
File:180409E1 #1-867 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
188.0393 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5324.0,0.00%,F,F)



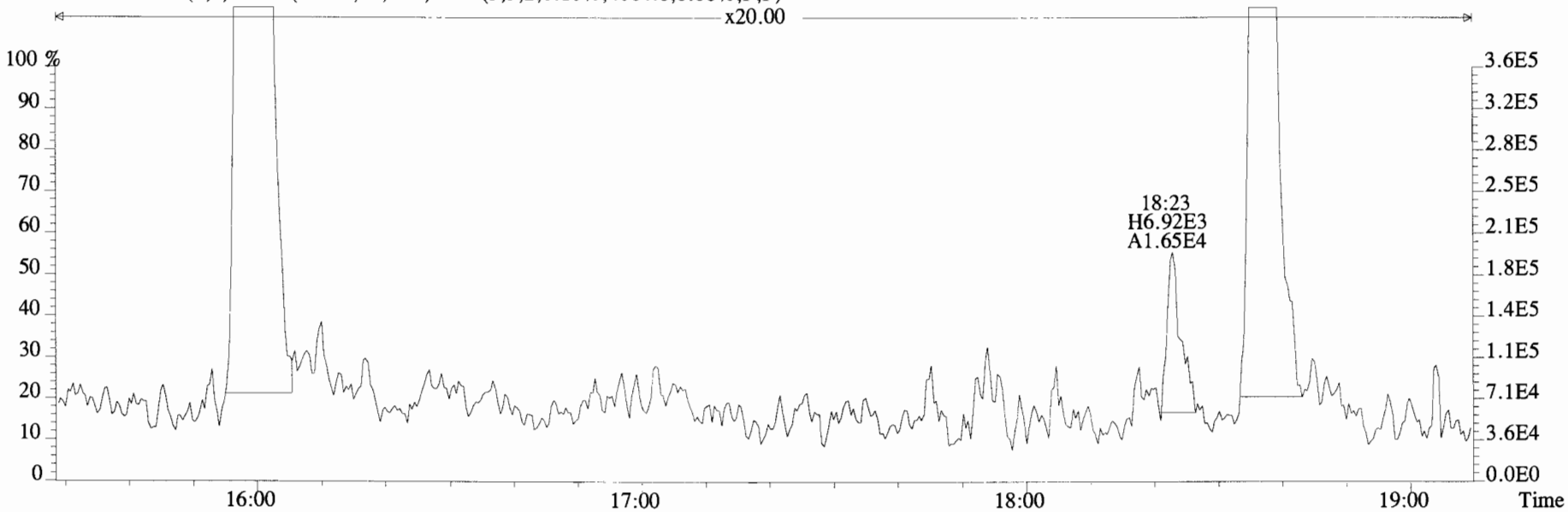

190.0363 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4064.0,0.00%,F,F)



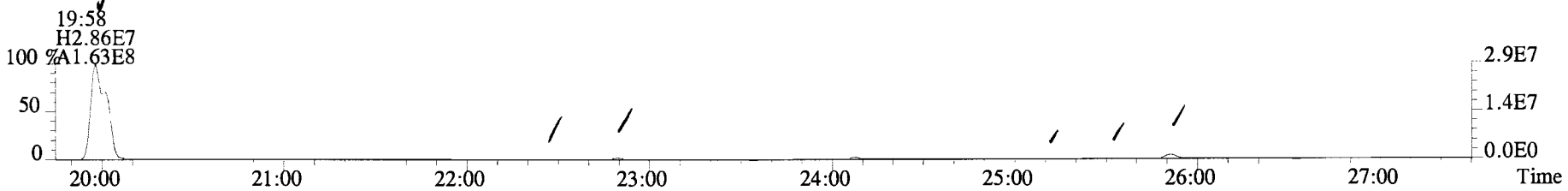
File:180409E1 #1-867 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
188.0393 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5324.0,0.00%,F,F)



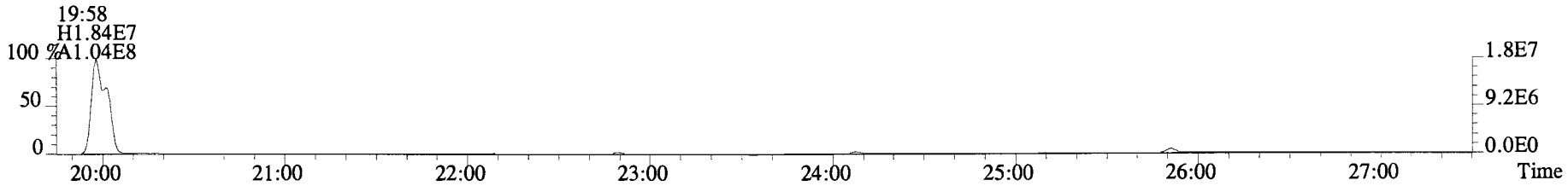

190.0363 S:11 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4064.0,0.00%,F,F)



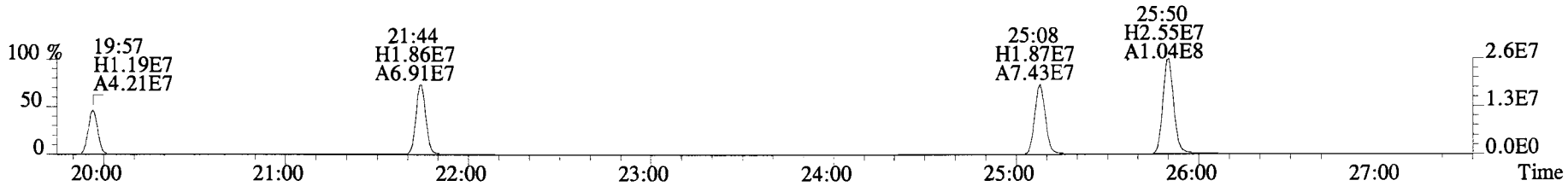
File:180409E1 #1-757 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
222.0003 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5860.0,0.00%,F,F)



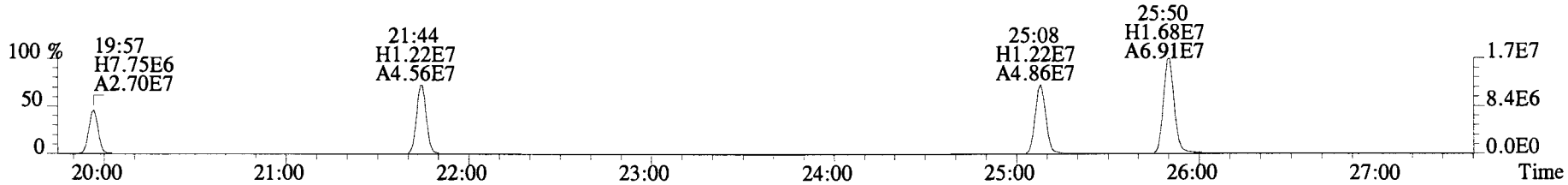

223.9974 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41800.0,0.00%,F,F)



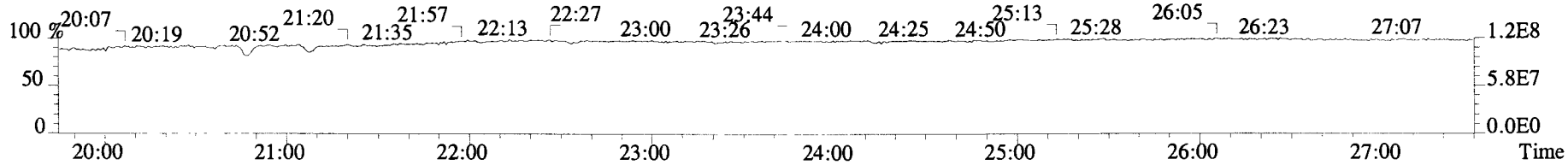

234.0406 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5508.0,0.00%,F,F)



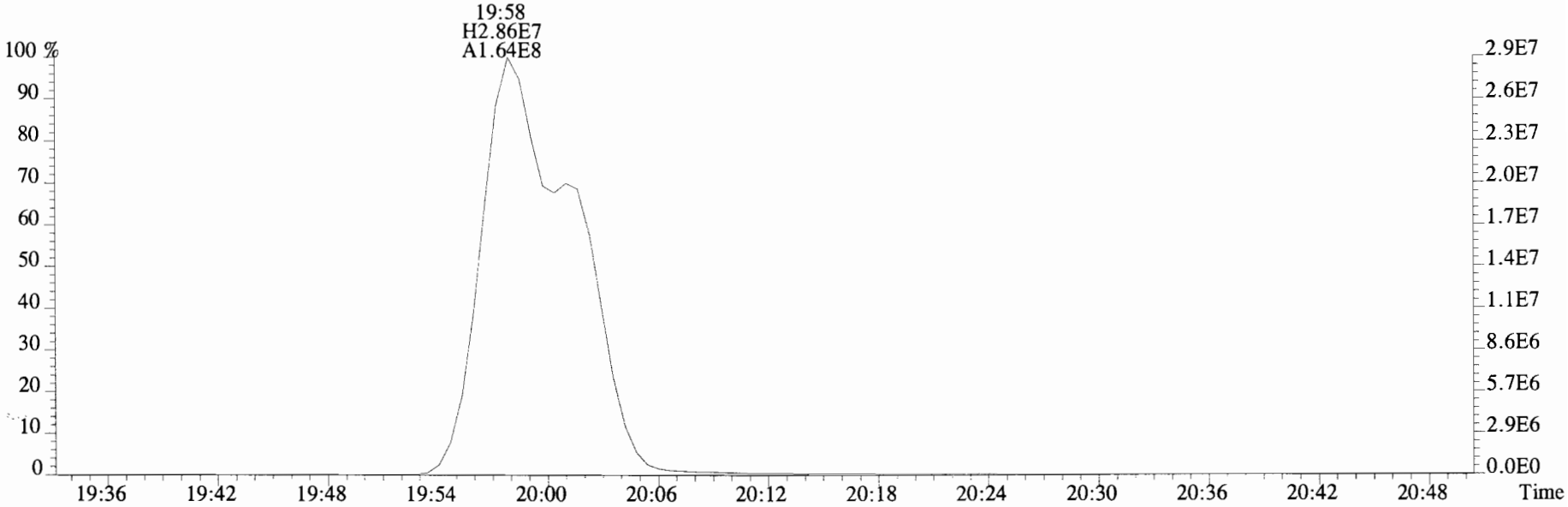

236.0376 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4872.0,0.00%,F,F)



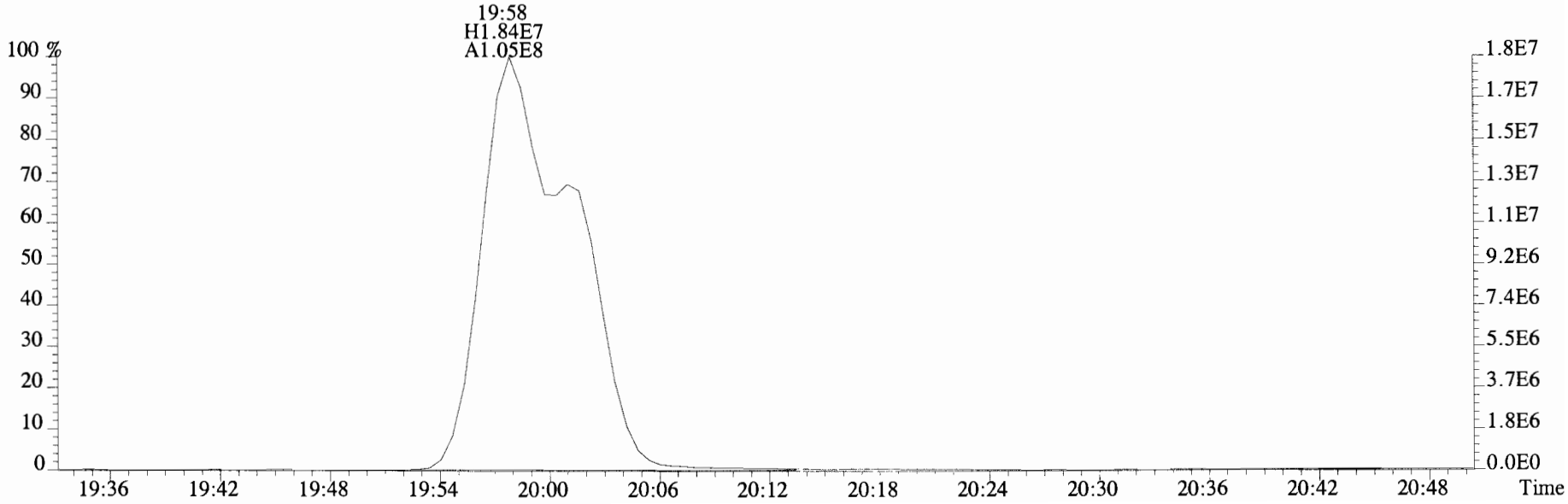

230.9856 S:11 F:2



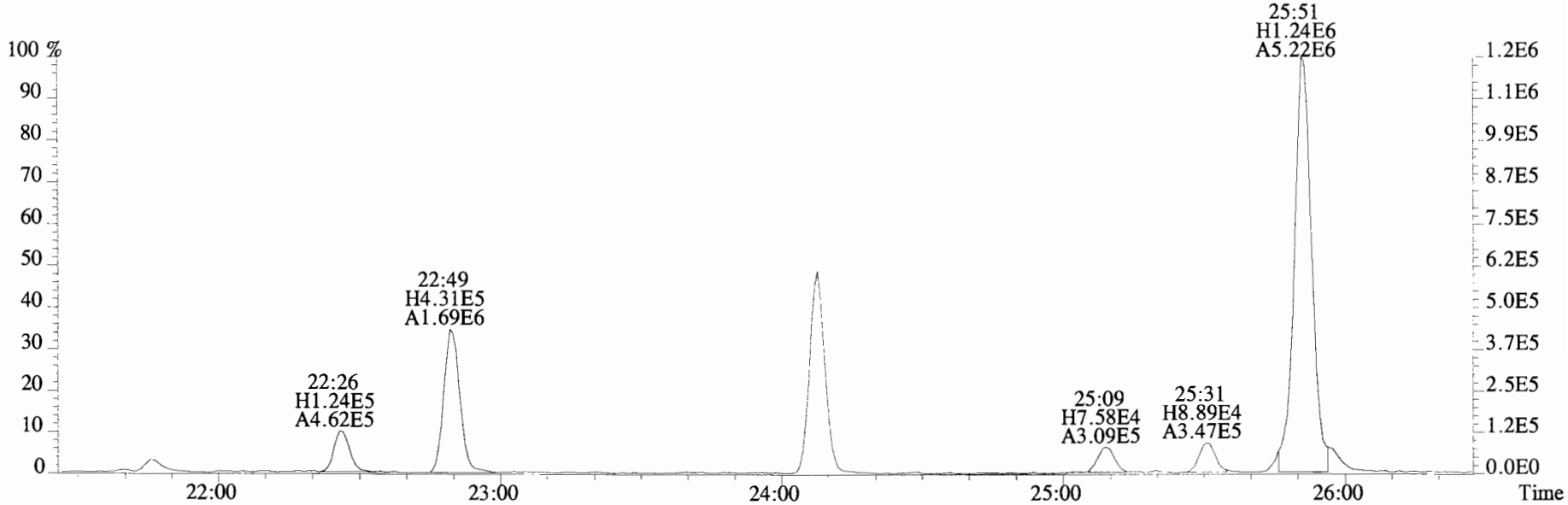
File:180409E1 #1-757 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
222.0003 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5860.0,0.00%,F,F)



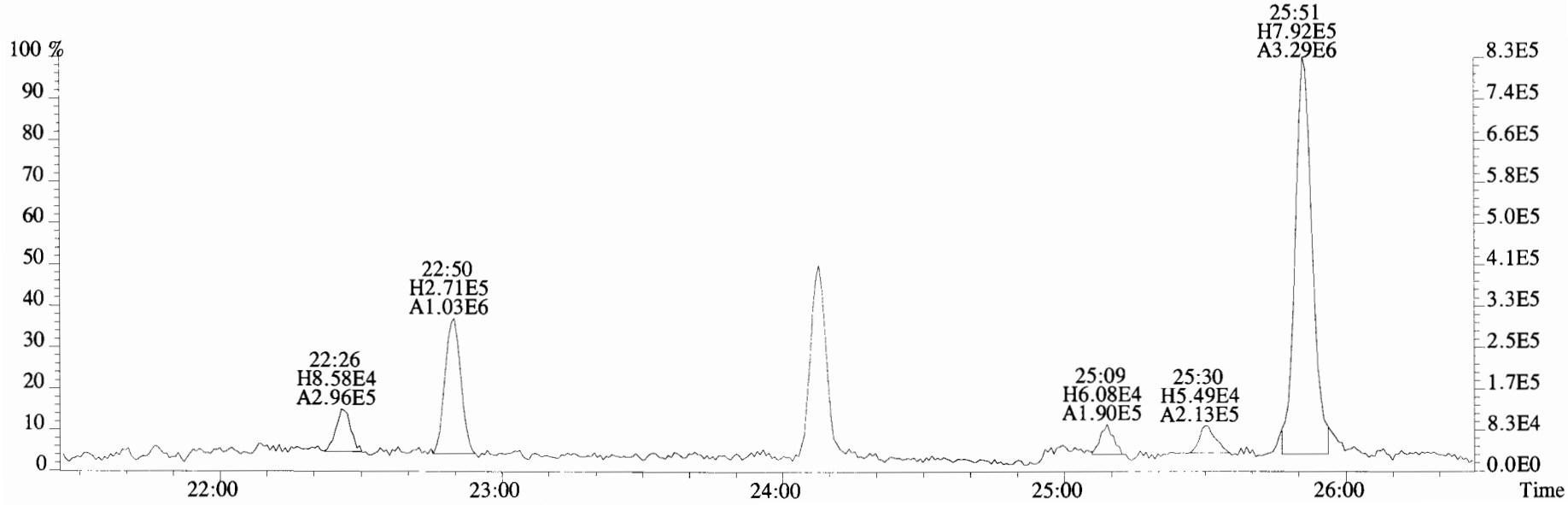

223.9974 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41800.0,0.00%,F,F)



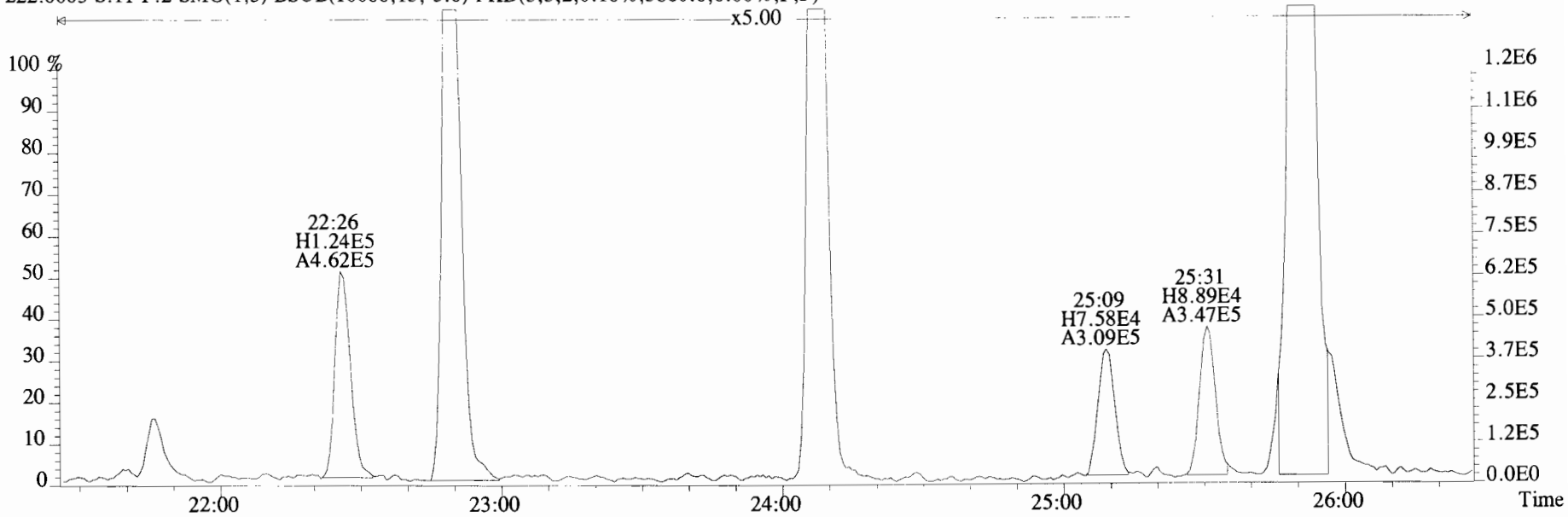
File:180409E1 #1-757 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
222.0003 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5860.0,0.00%,F,F)



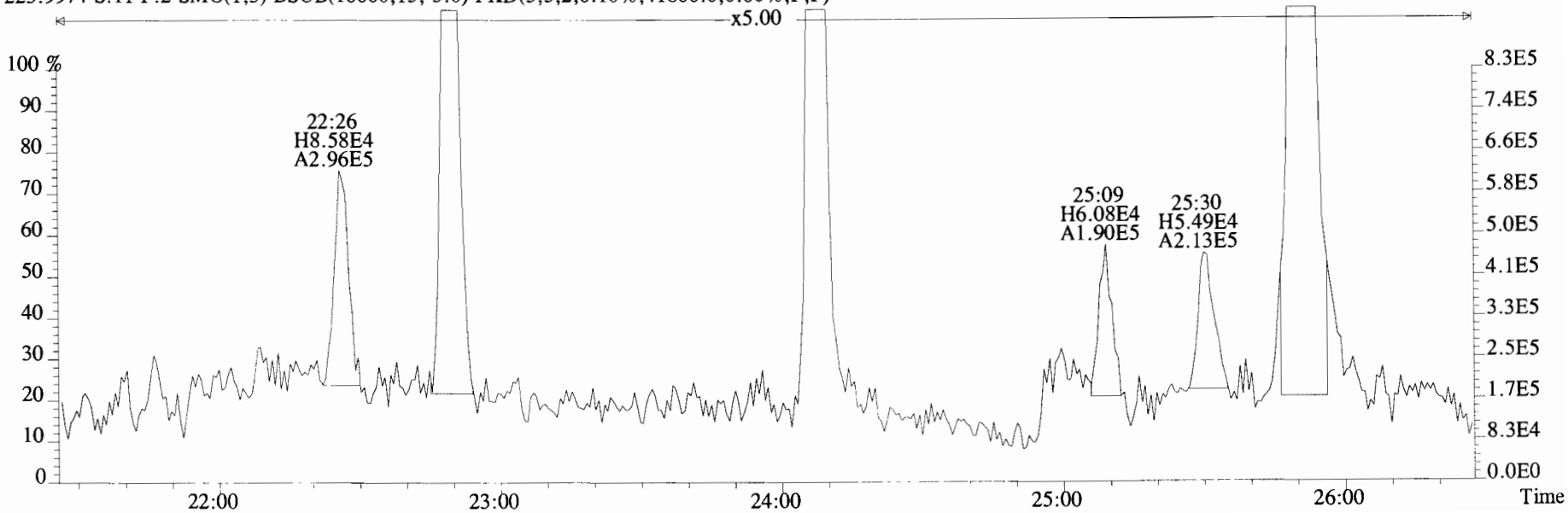

223.9974 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41800.0,0.00%,F,F)



File:180409E1 #1-757 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
222.0003 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5860.0,0.00%,F,F)

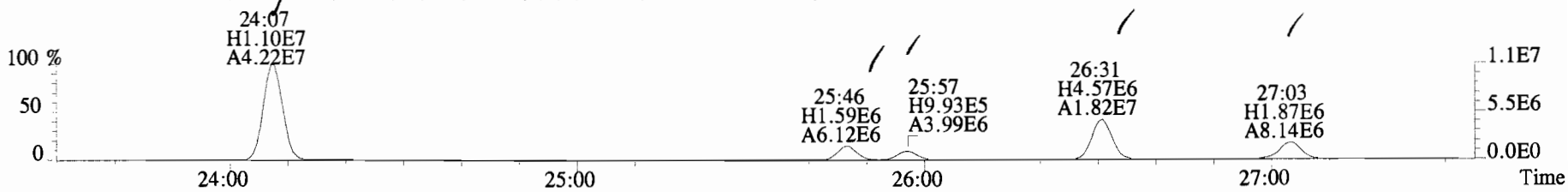



223.9974 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41800.0,0.00%,F,F)

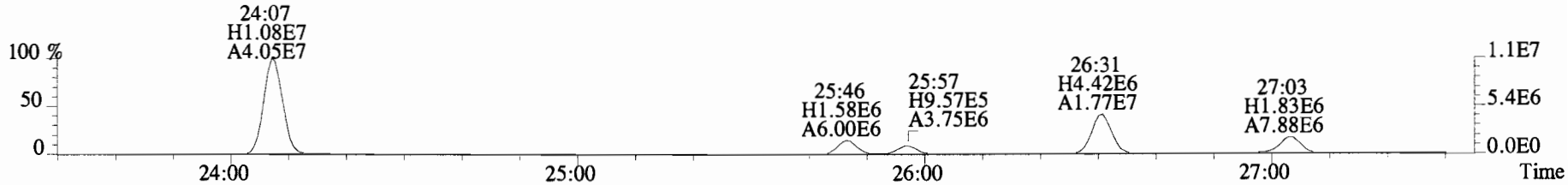


File:180409E1 #1-757 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1

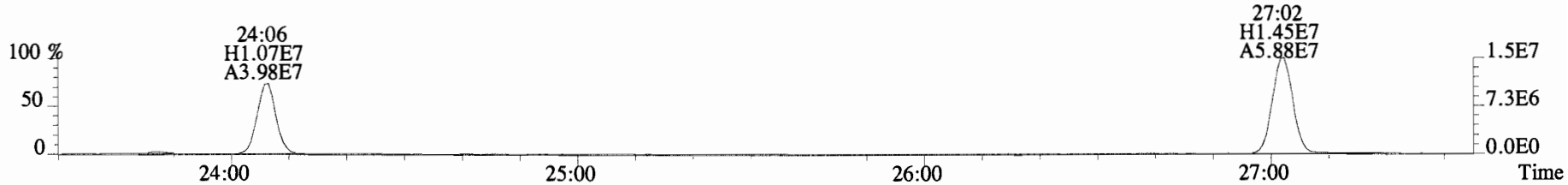
255.9613 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3444.0,0.00%,F,F)



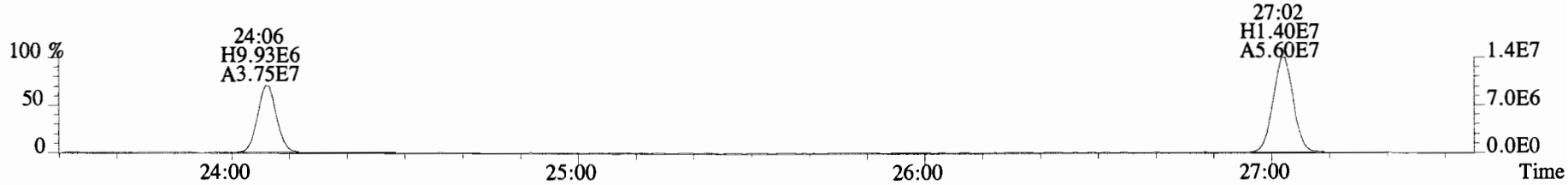

257.9584 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2424.0,0.00%,F,F)



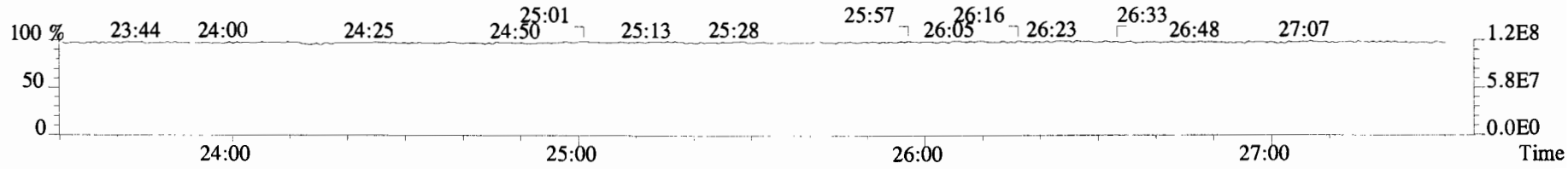

268.0016 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,81236.0,0.00%,F,F)



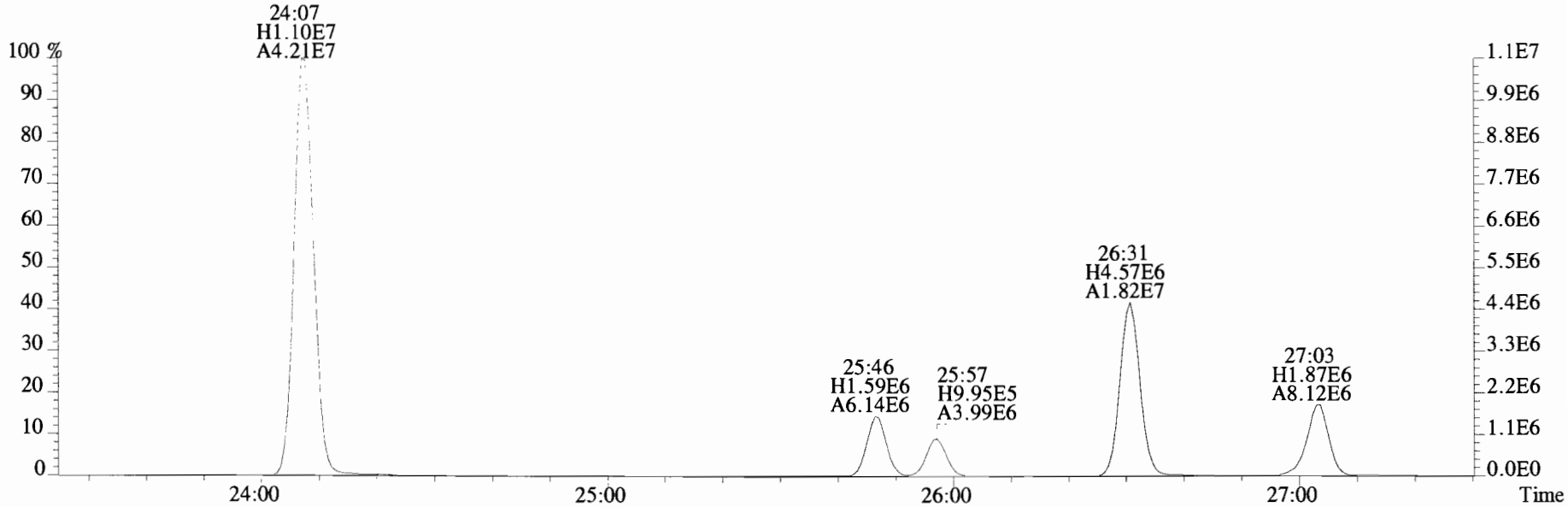

269.9986 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,59420.0,0.00%,F,F)



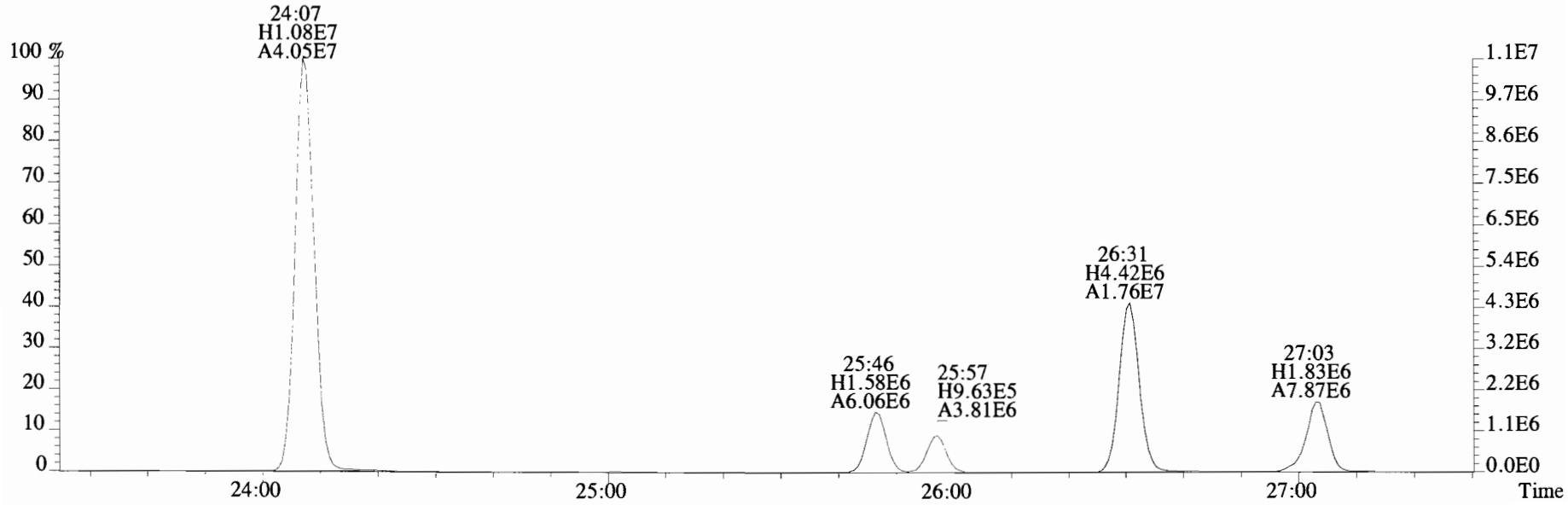

230.9856 S:11 F:2



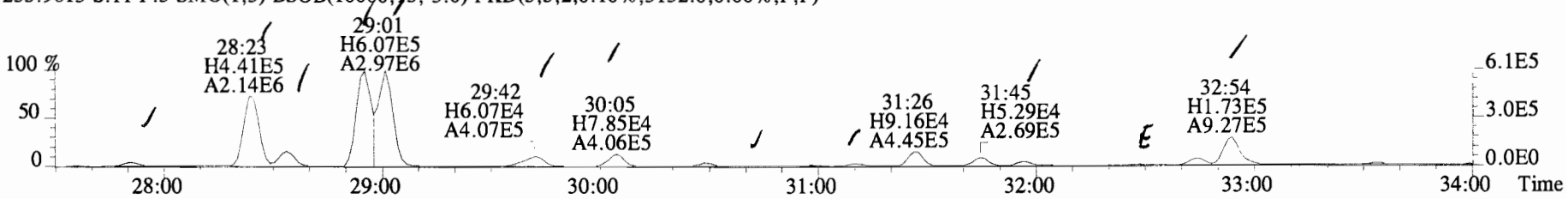
File:180409E1 #1-757 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
255.9613 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3444.0,0.00%,F,F)



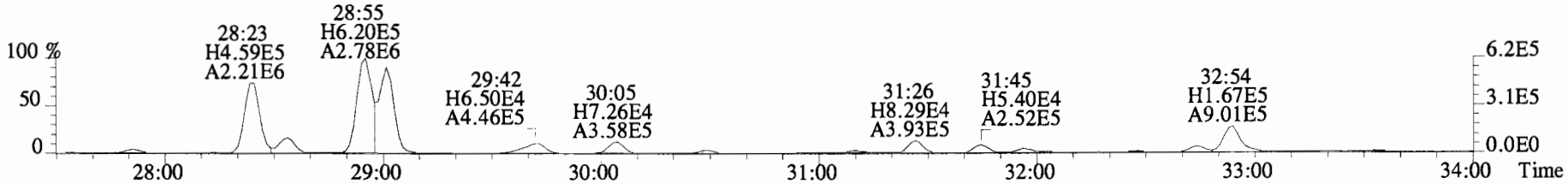

257.9584 S:11 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2424.0,0.00%,F,F)



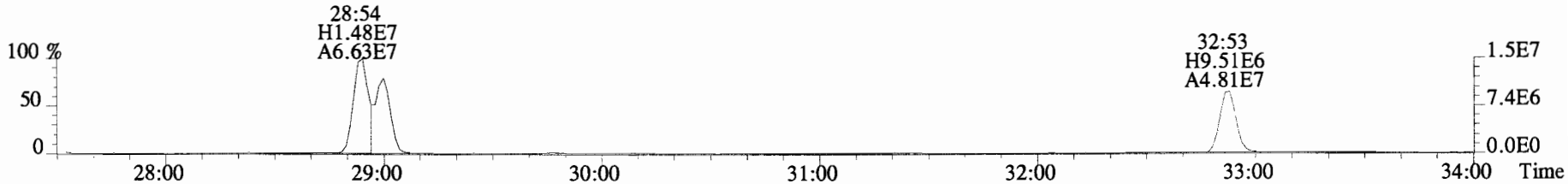
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SlR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
255.9613 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3132.0,0.00%,F,F)



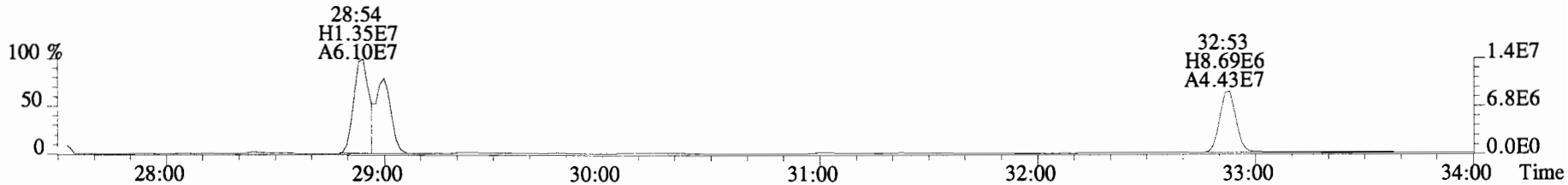

257.9584 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2964.0,0.00%,F,F)



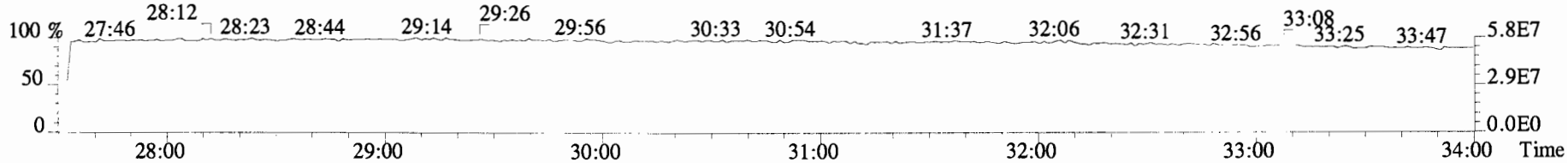

268.0016 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,106548.0,0.00%,F,F)



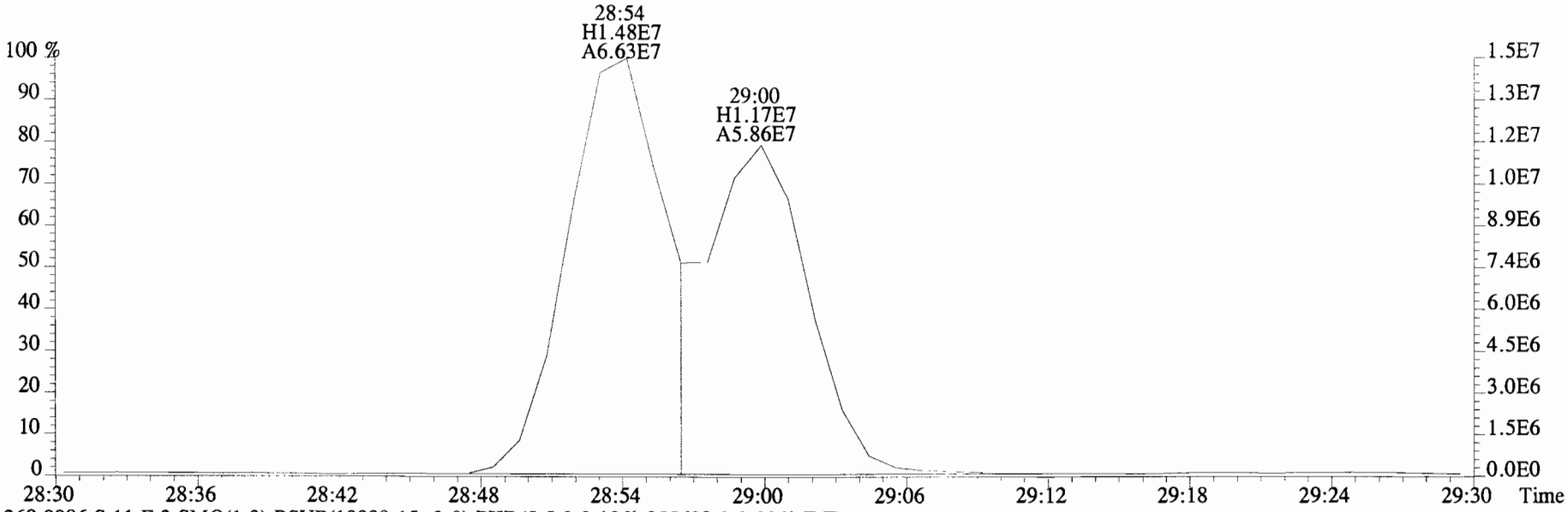

269.9986 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,255600.0,0.00%,F,F)



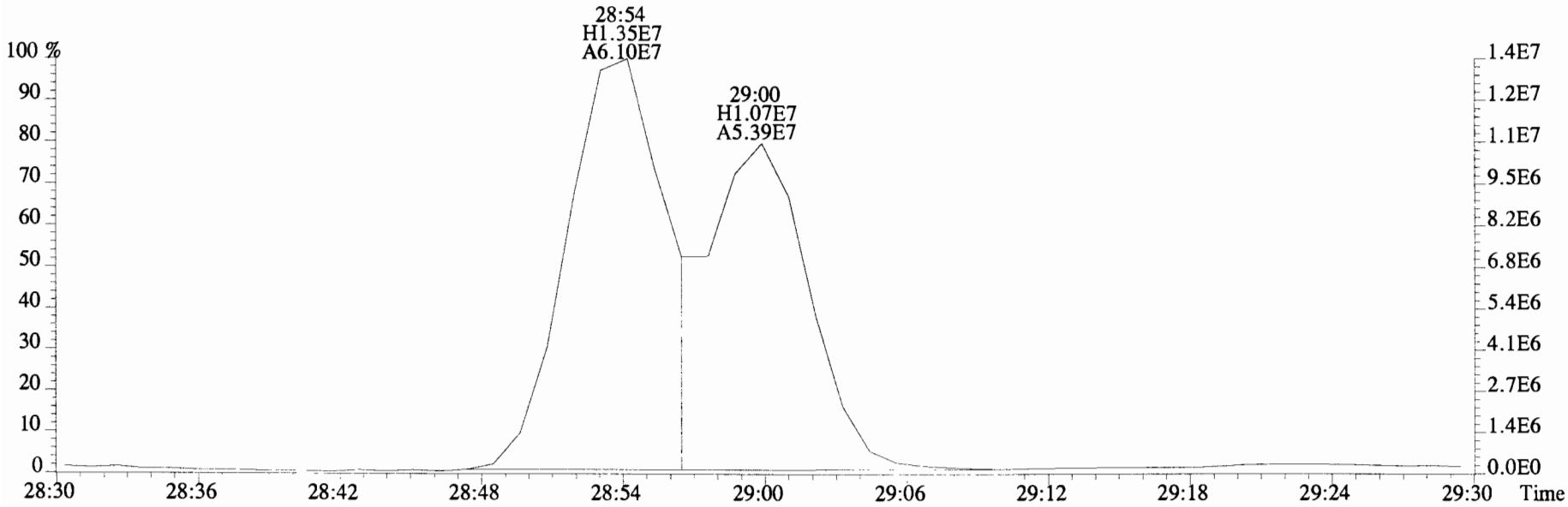

330.9792 S:11 F:3



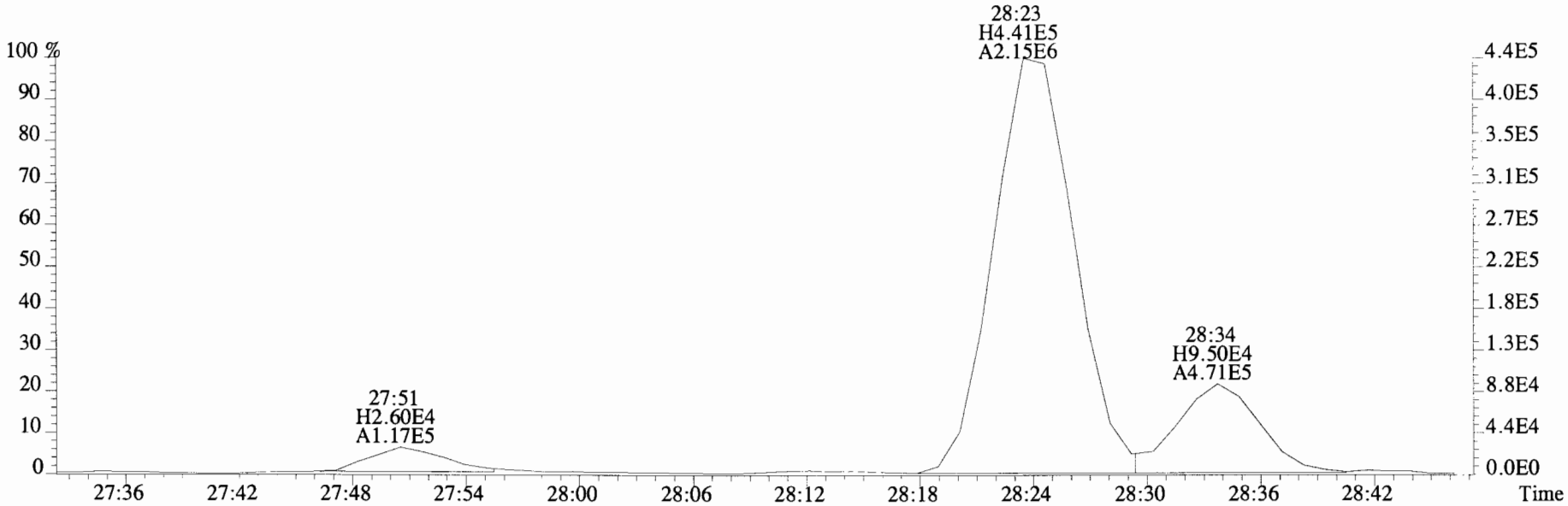
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
268.0016 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,106548.0,0.00%,F,F)



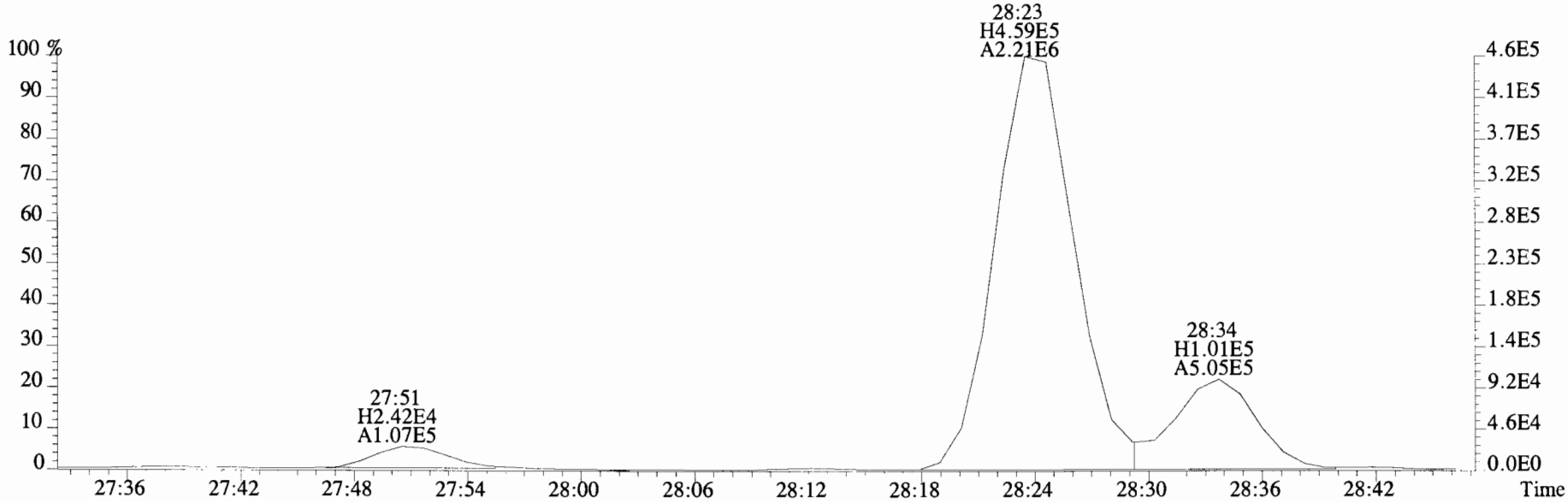

269.9986 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,255600.0,0.00%,F,F)



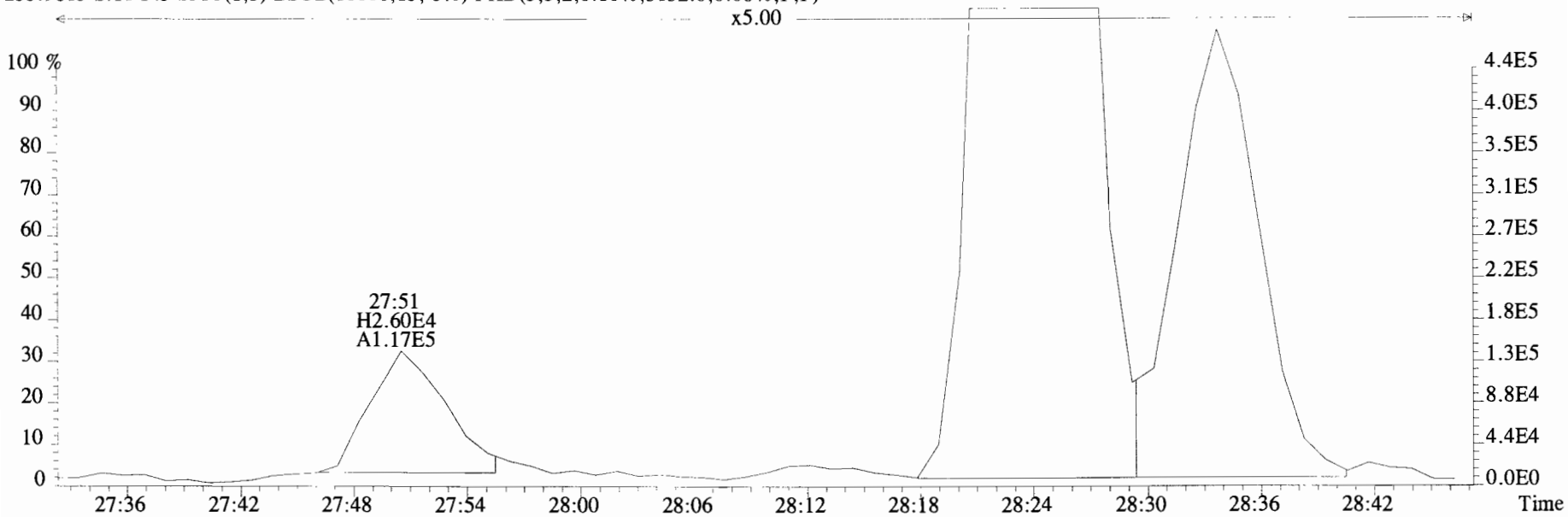
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
255.9613 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3132.0,0.00%,F,F)



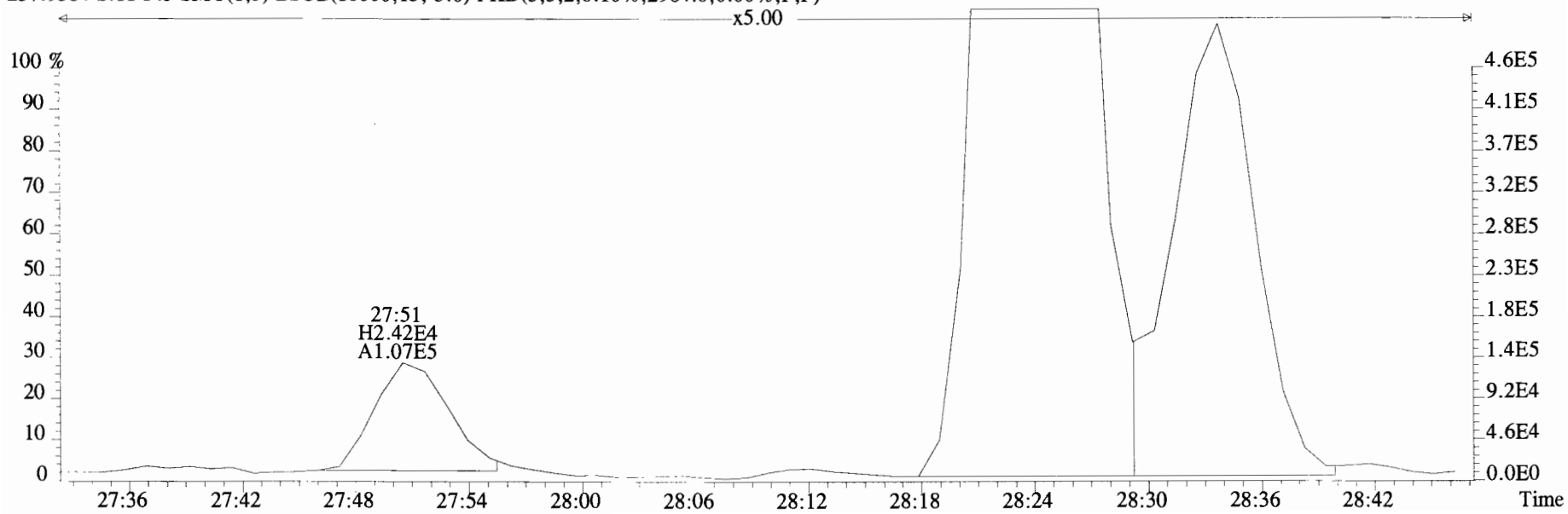

257.9584 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2964.0,0.00%,F,F)



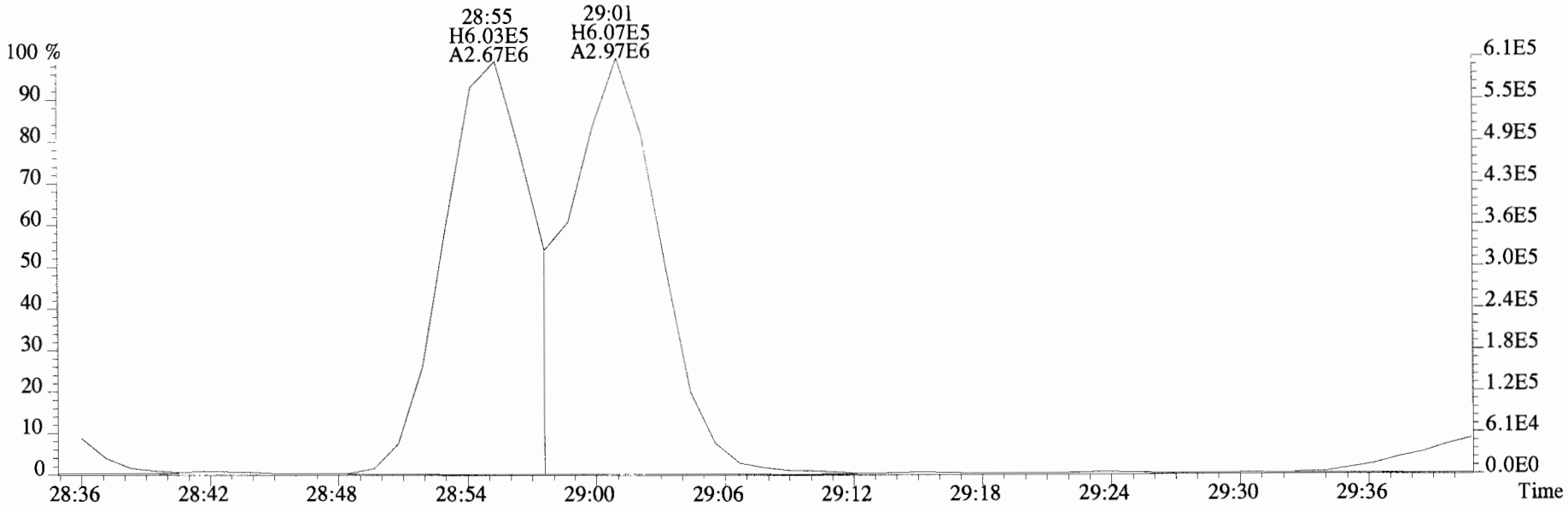
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
255.9613 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3132.0,0.00%,F,F)



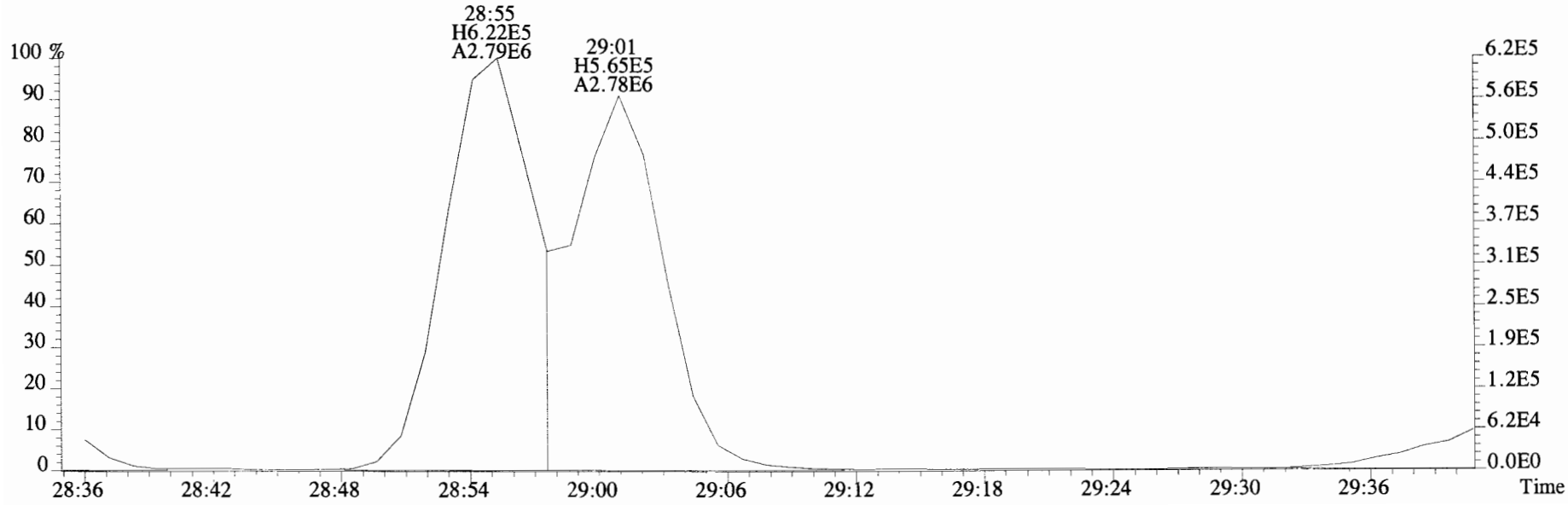

257.9584 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2964.0,0.00%,F,F)



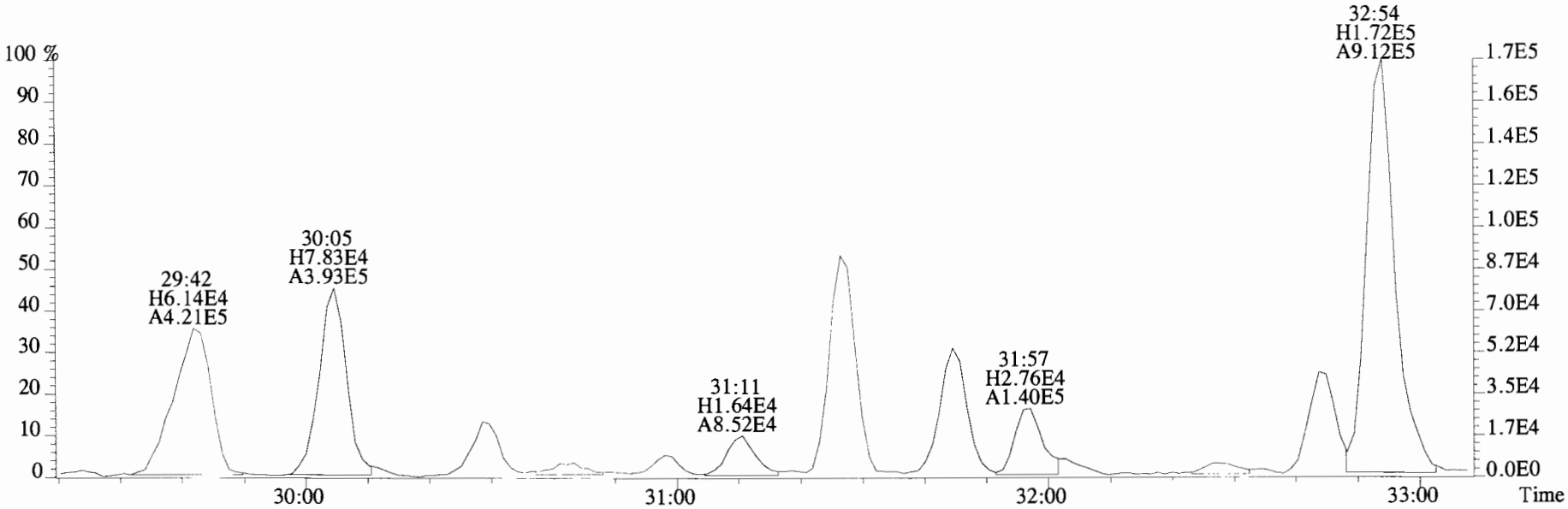
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
255.9613 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3132.0,0.00%,F,F)



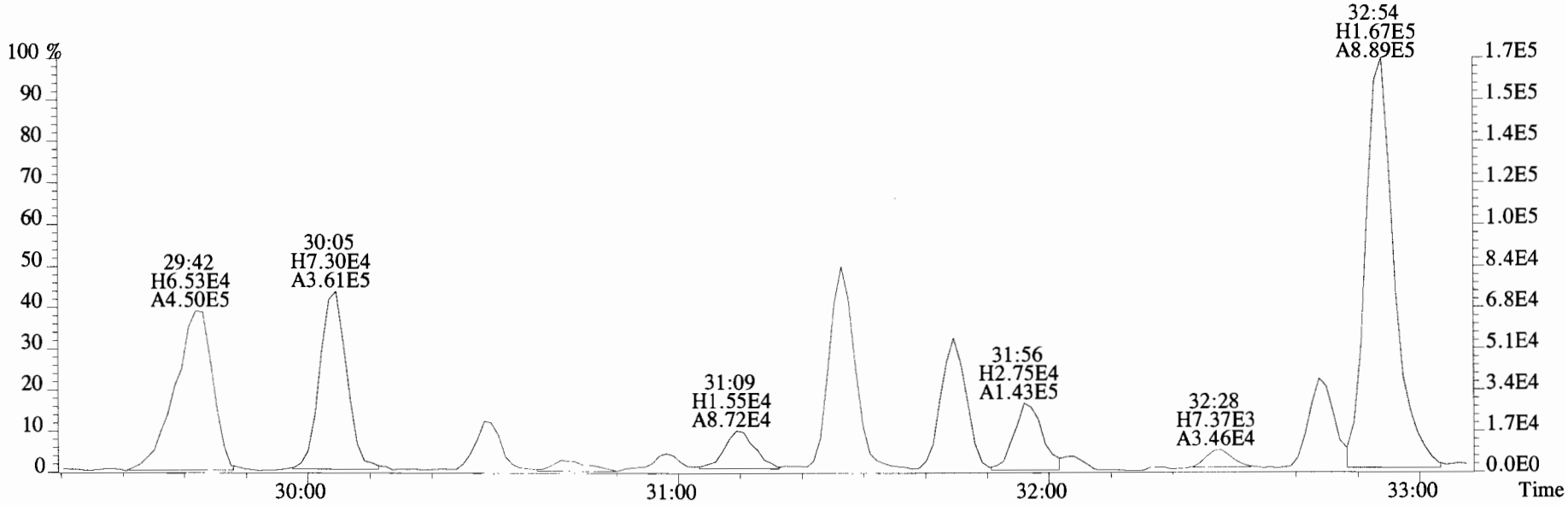

257.9584 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2964.0,0.00%,F,F)



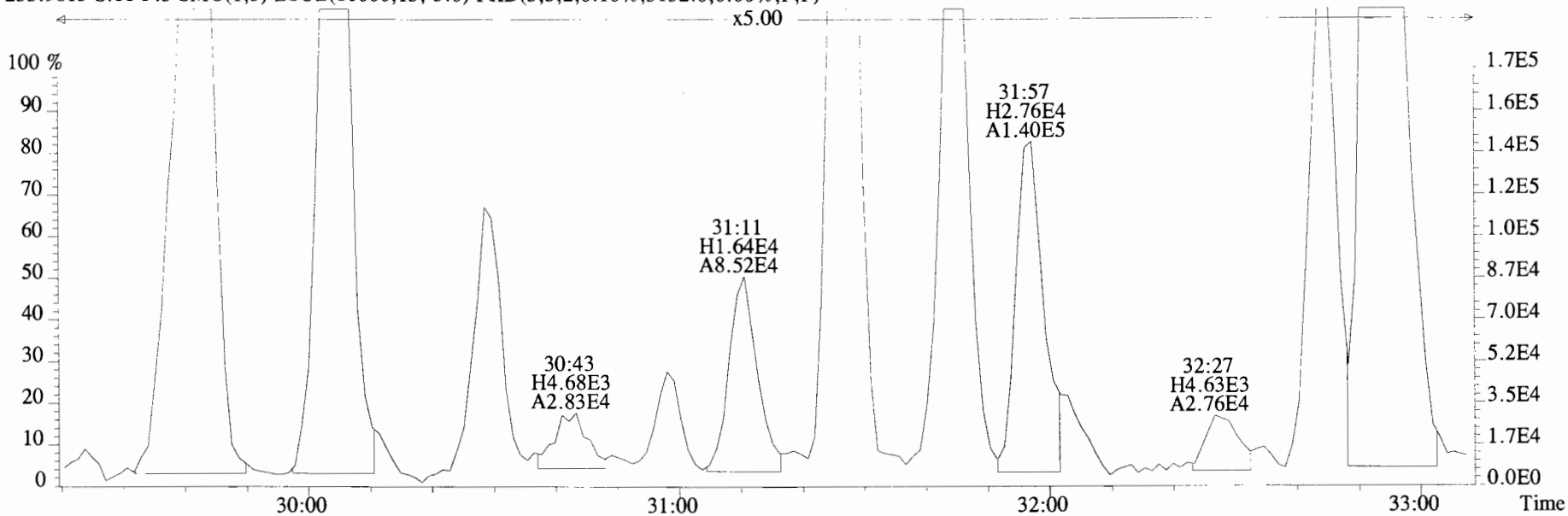
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
255.9613 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3132.0,0.00%,F,F)



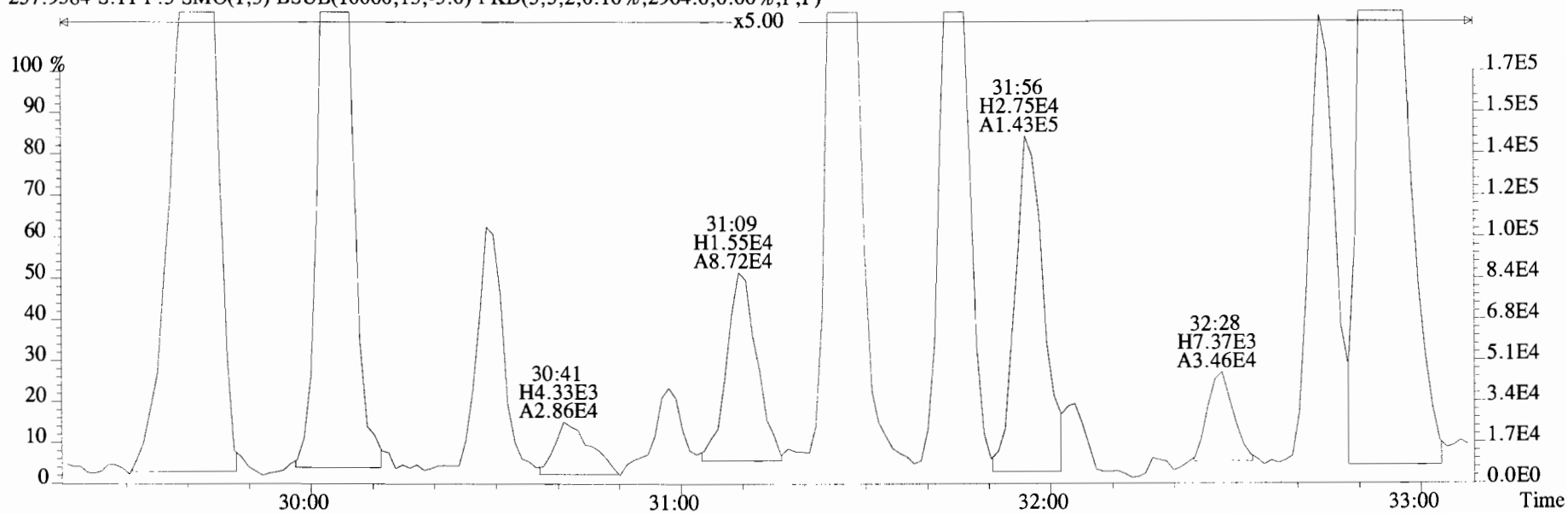

257.9584 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2964.0,0.00%,F,F)



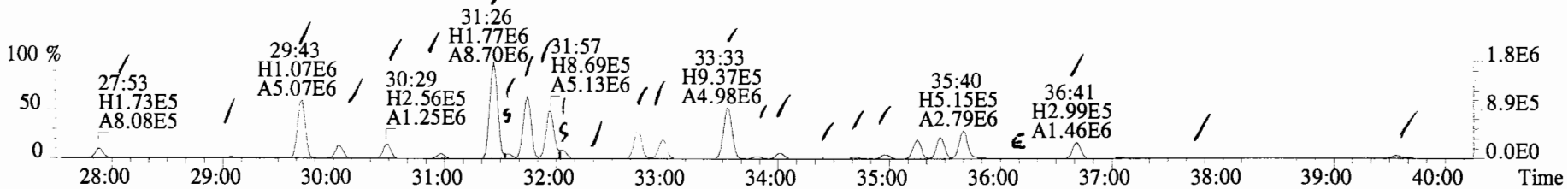
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
255.9613 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3132.0,0.00%,F,F)



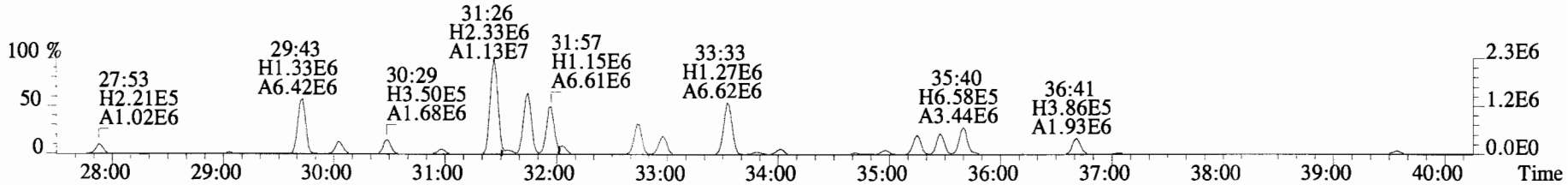

257.9584 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2964.0,0.00%,F,F)



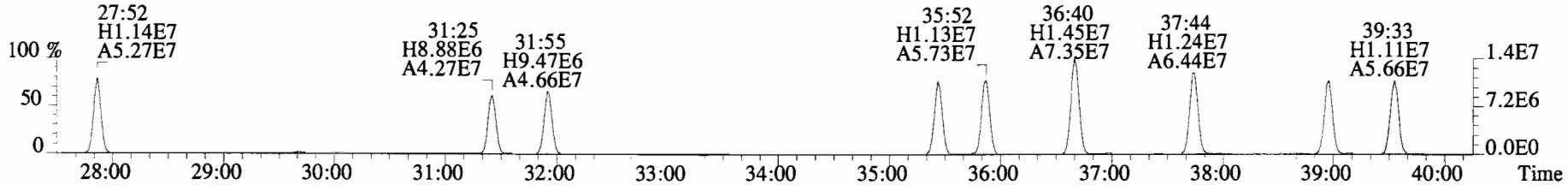
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



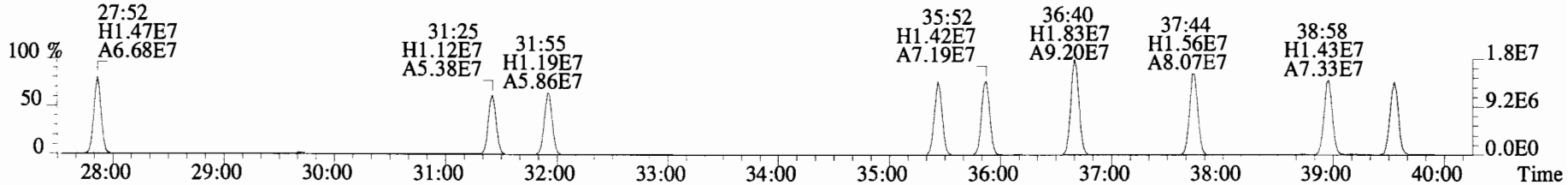

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



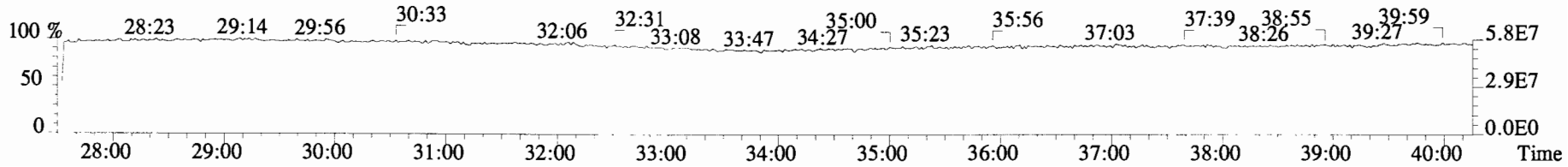

301.9626 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35440.0,0.00%,F,F)



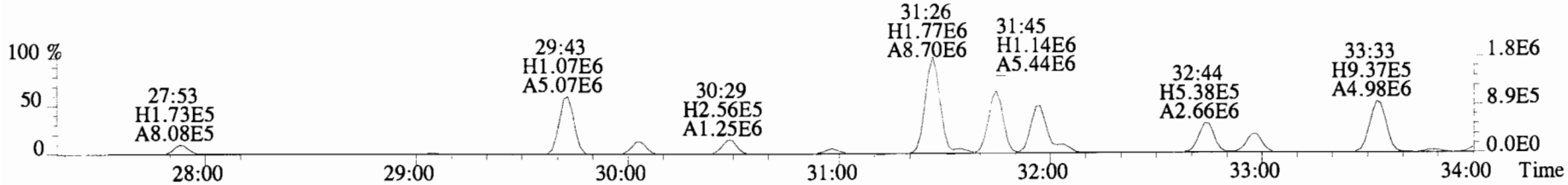

303.9597 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16168.0,0.00%,F,F)



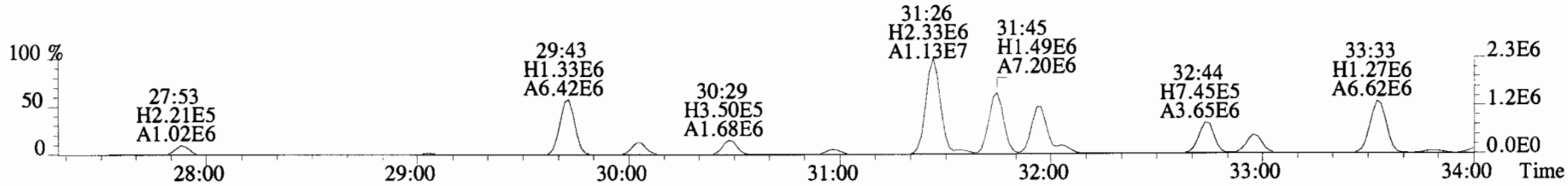

330.9792 S:11 F:3



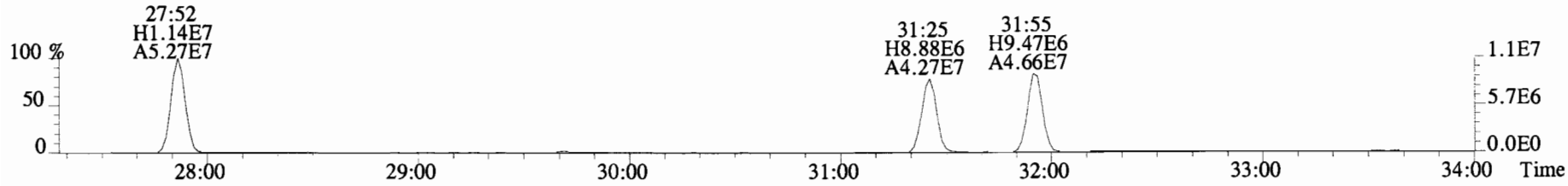
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



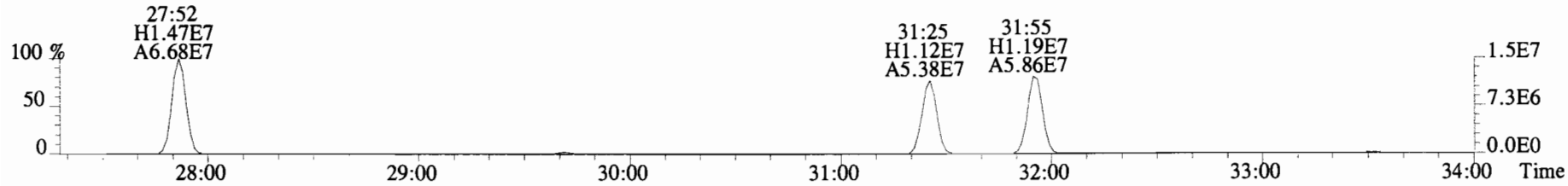

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



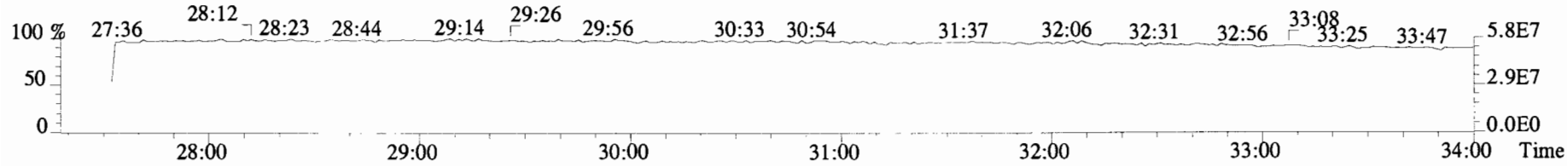

301.9626 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35440.0,0.00%,F,F)




303.9597 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16168.0,0.00%,F,F)

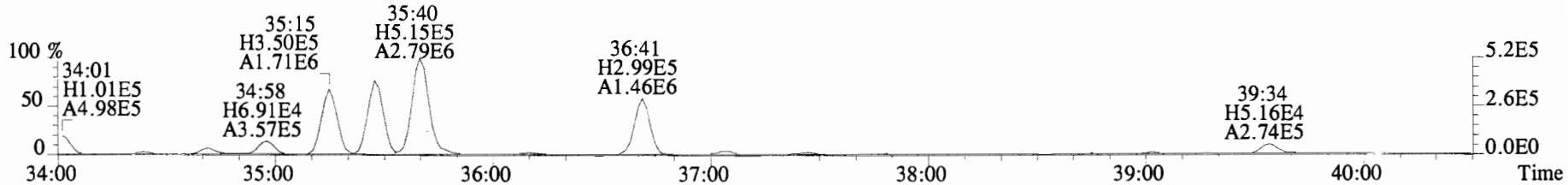



330.9792 S:11 F:3

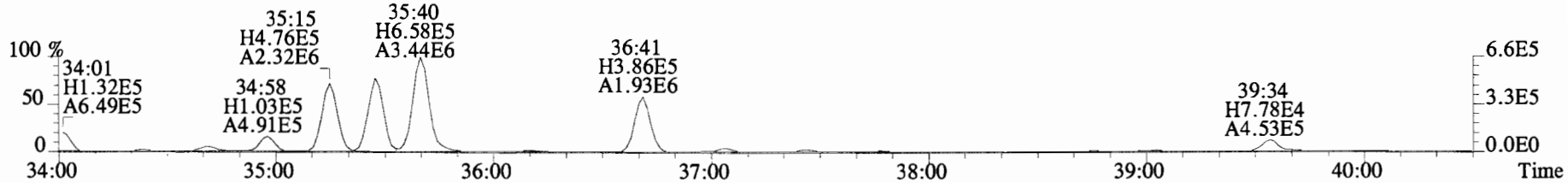


File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1

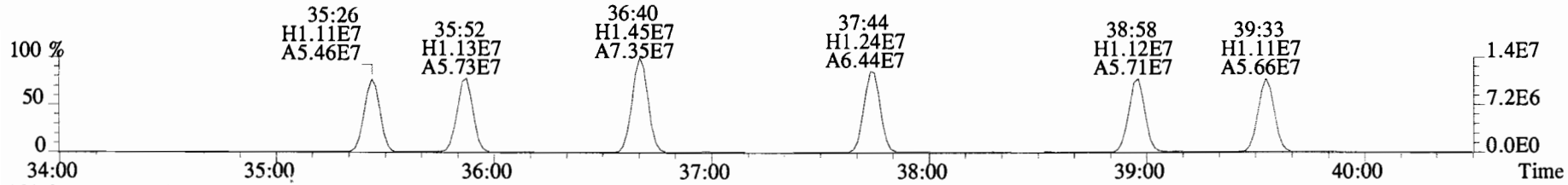
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



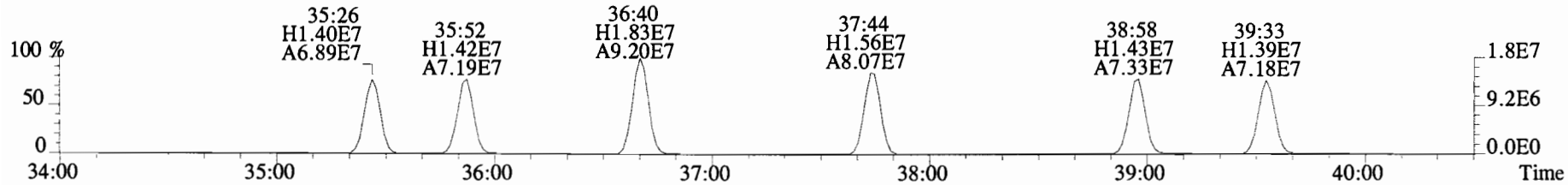

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



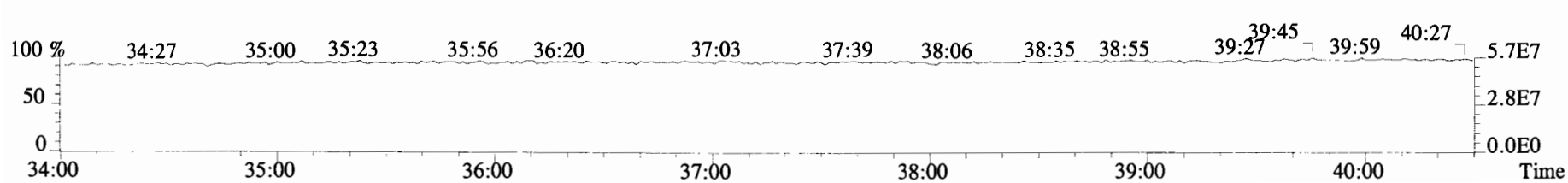

301.9626 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35440.0,0.00%,F,F)



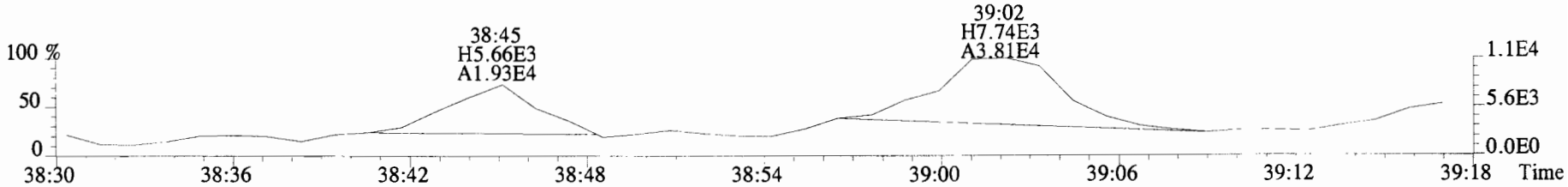

303.9597 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16168.0,0.00%,F,F)



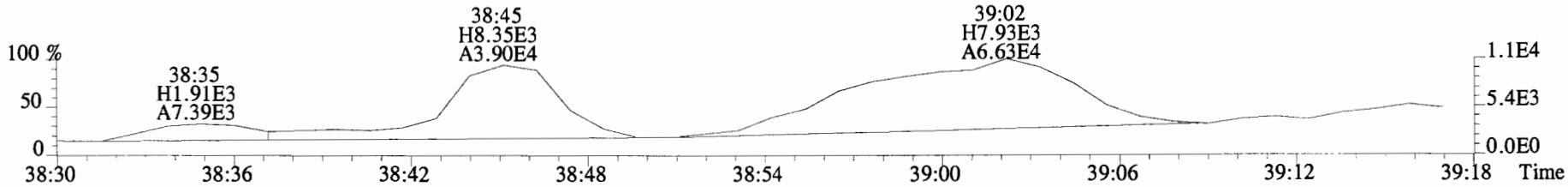

330.9792 S:11 F:3



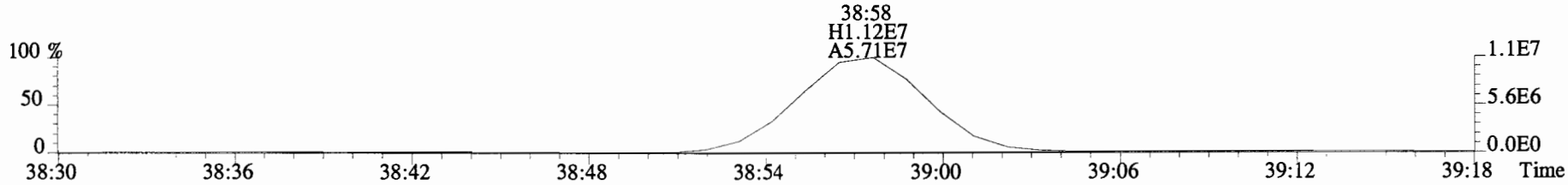
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



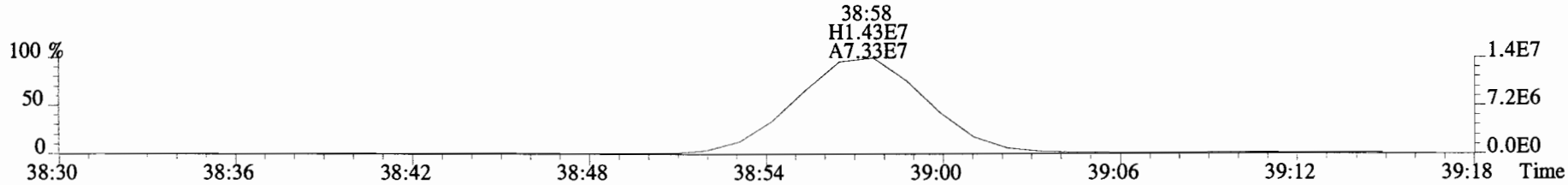

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



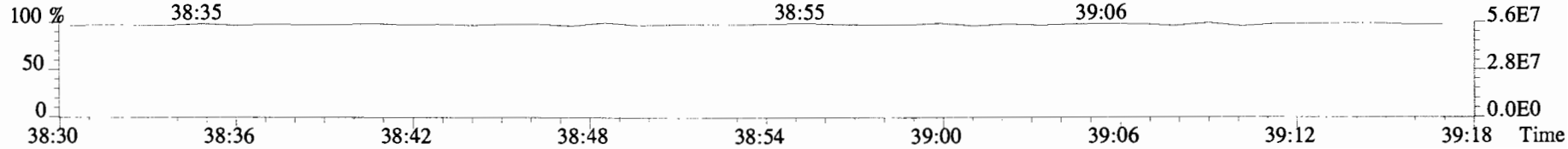

301.9626 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35440.0,0.00%,F,F)



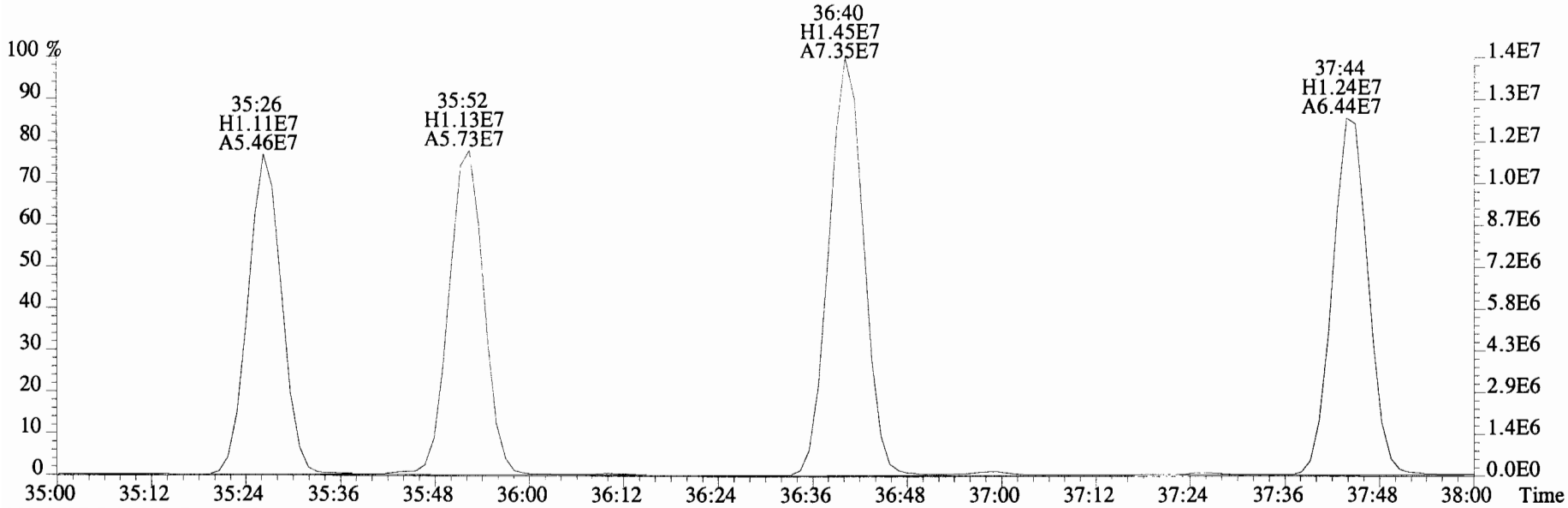

303.9597 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16168.0,0.00%,F,F)



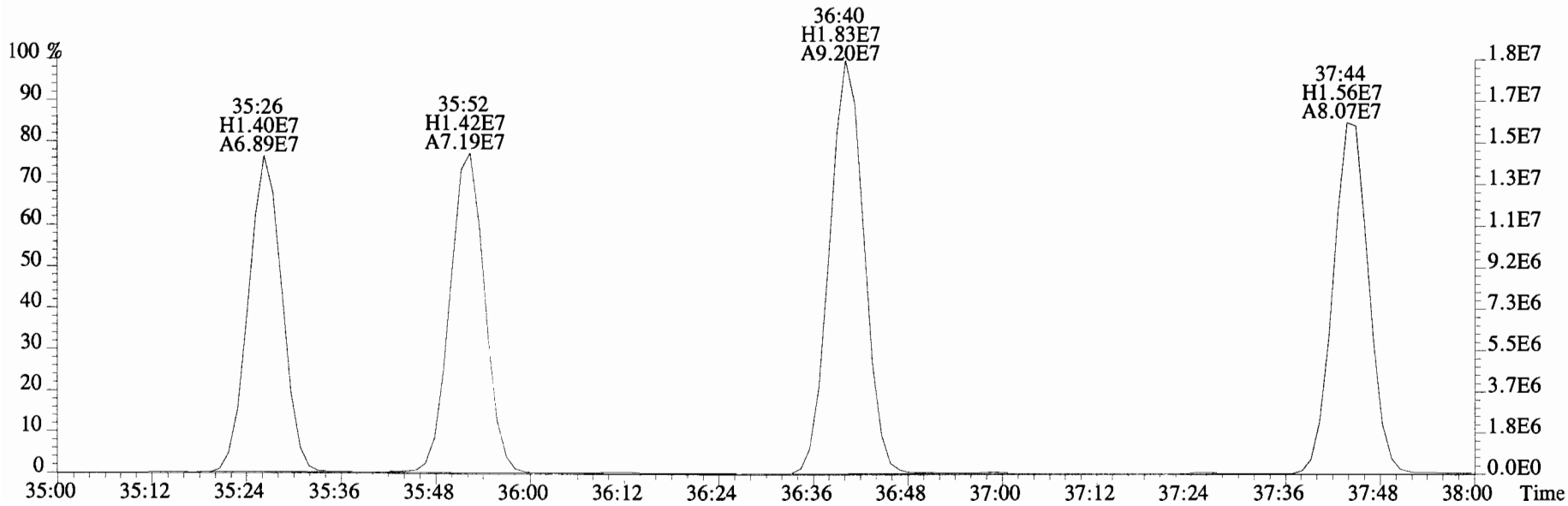

330.9792 S:11 F:3



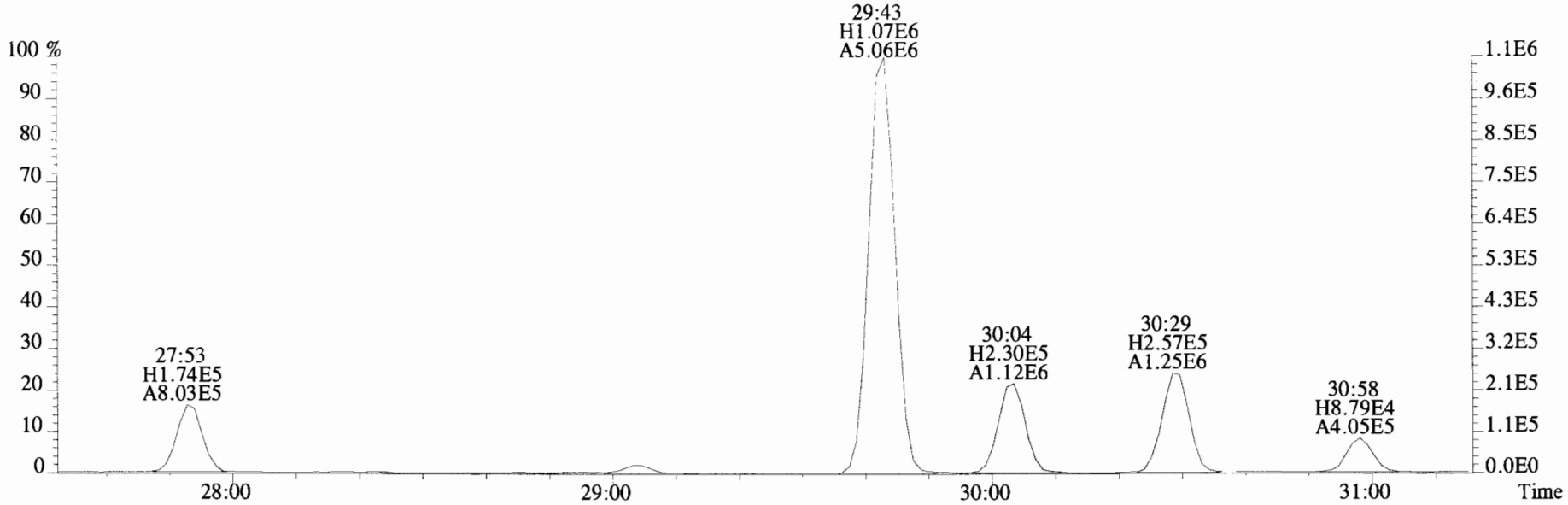
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
301.9626 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35440.0,0.00%,F,F)



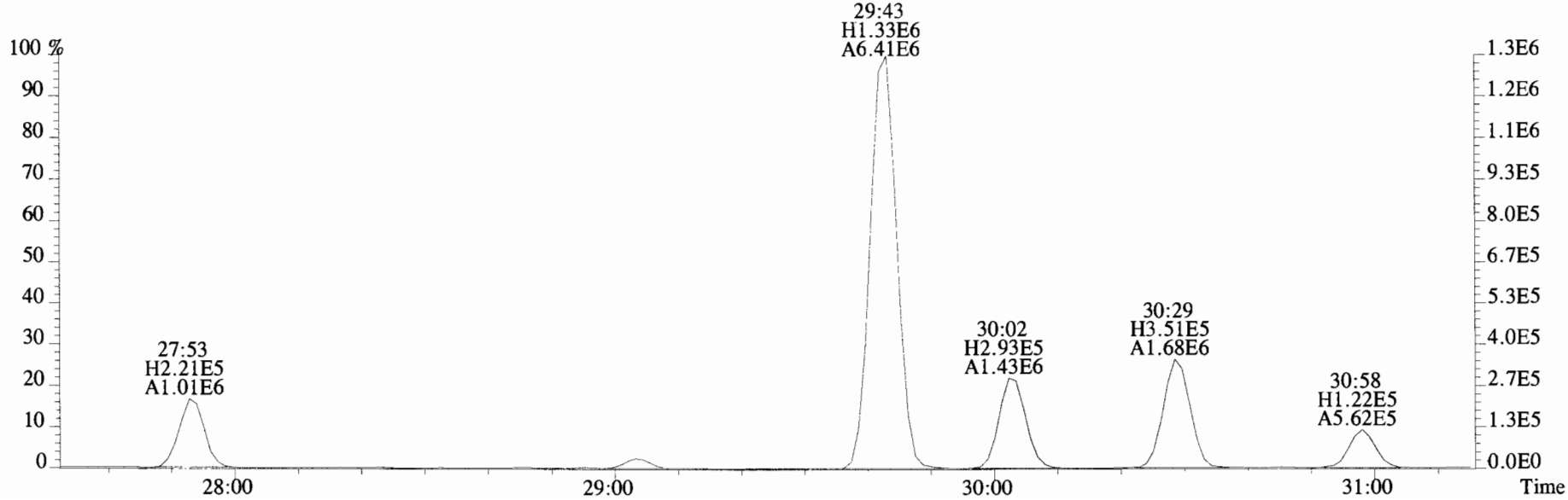

303.9597 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16168.0,0.00%,F,F)



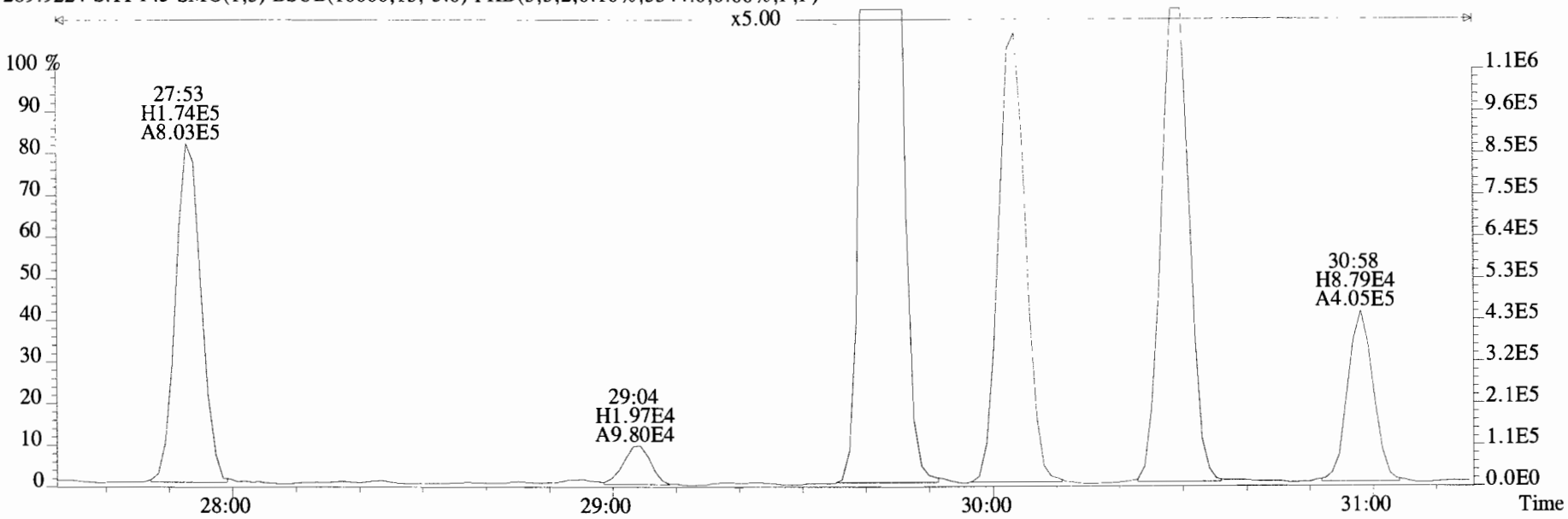
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



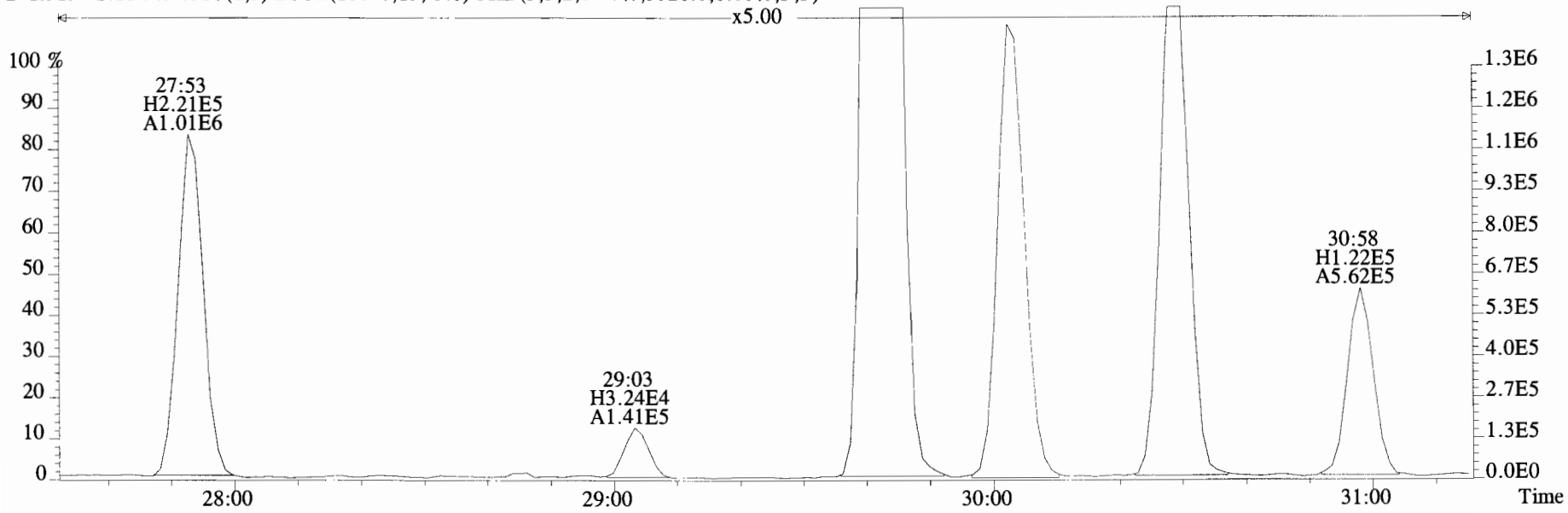

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



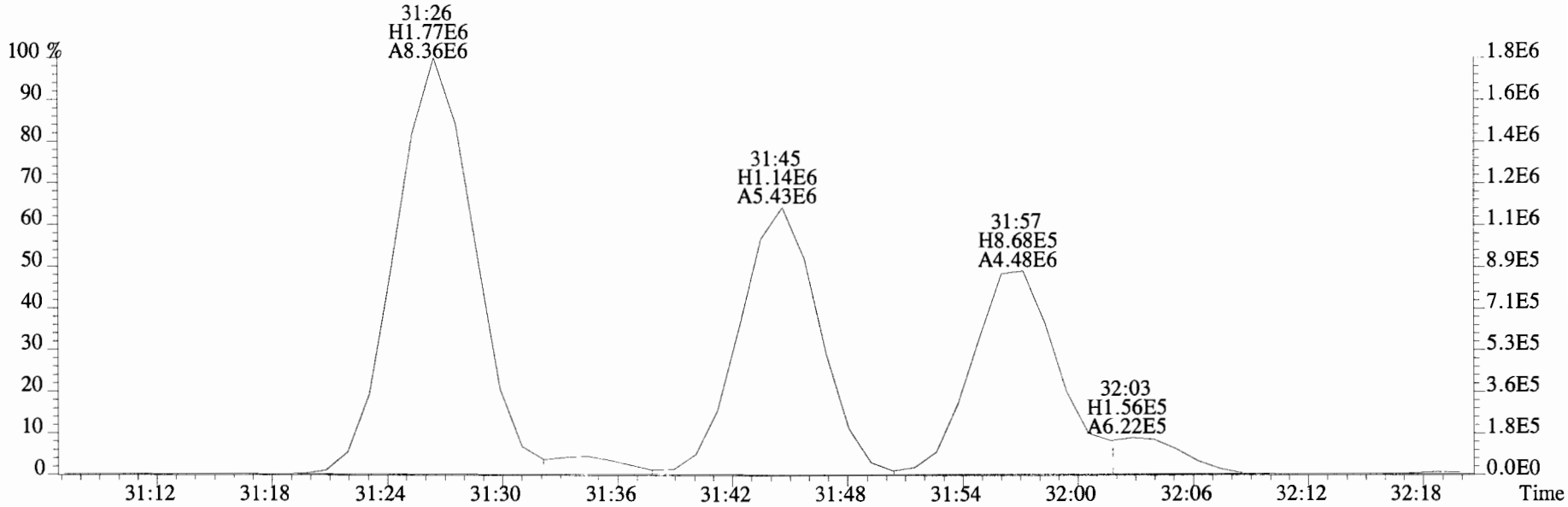
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



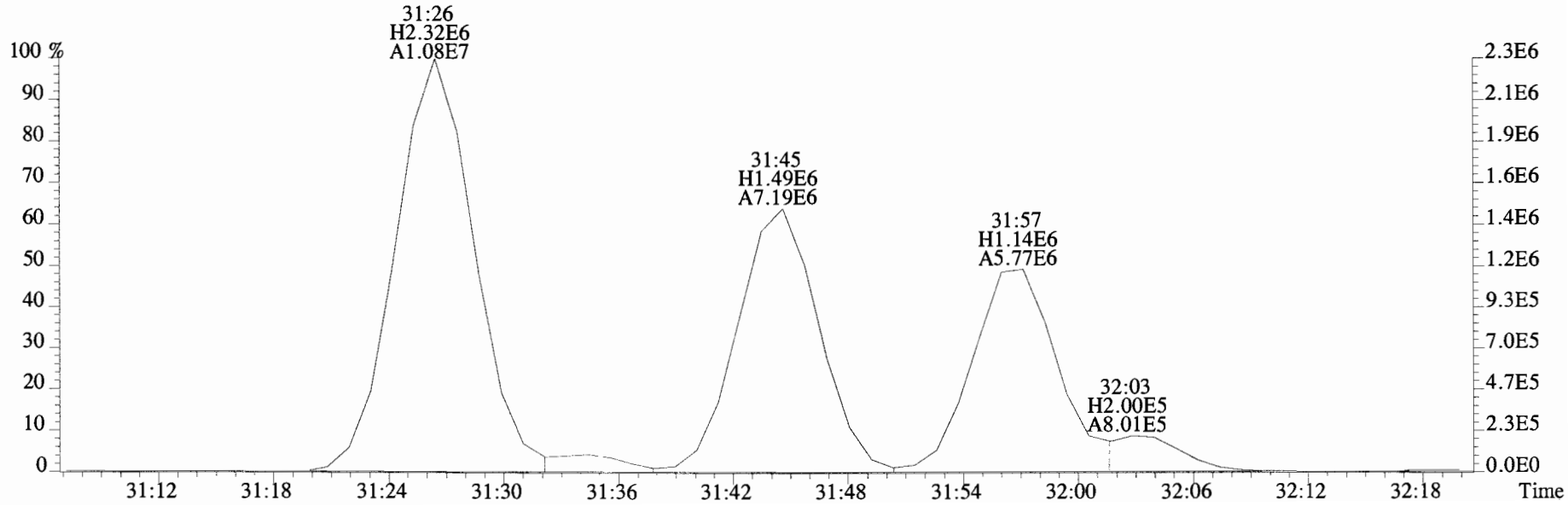

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



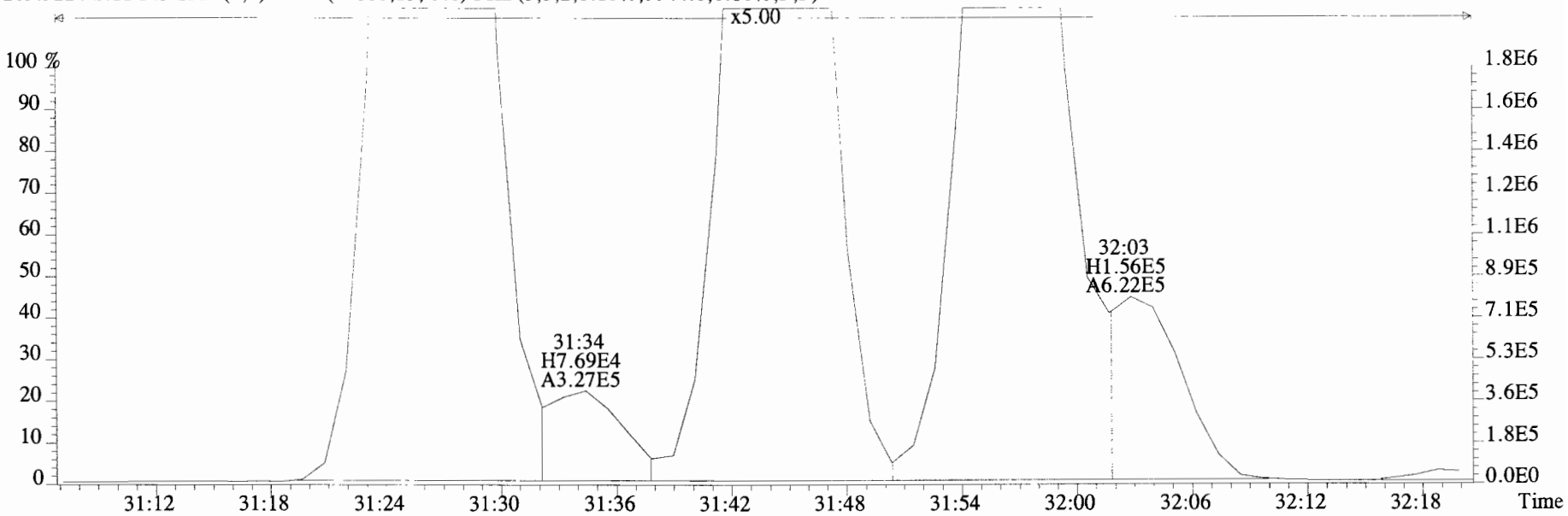
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



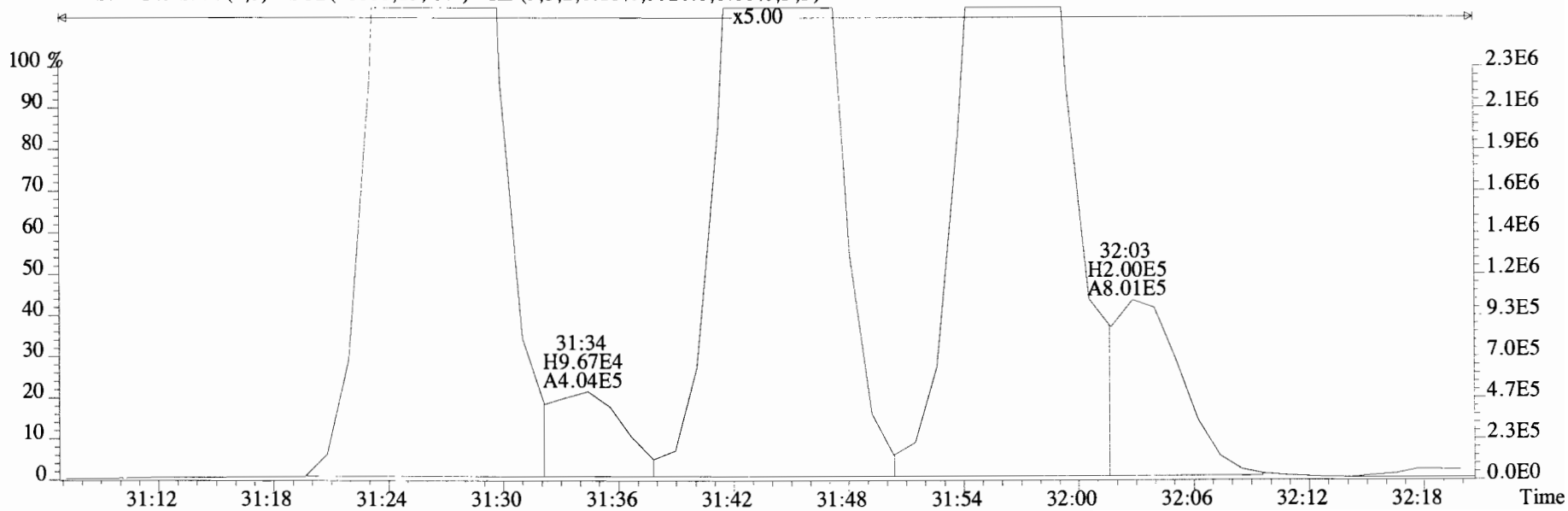

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



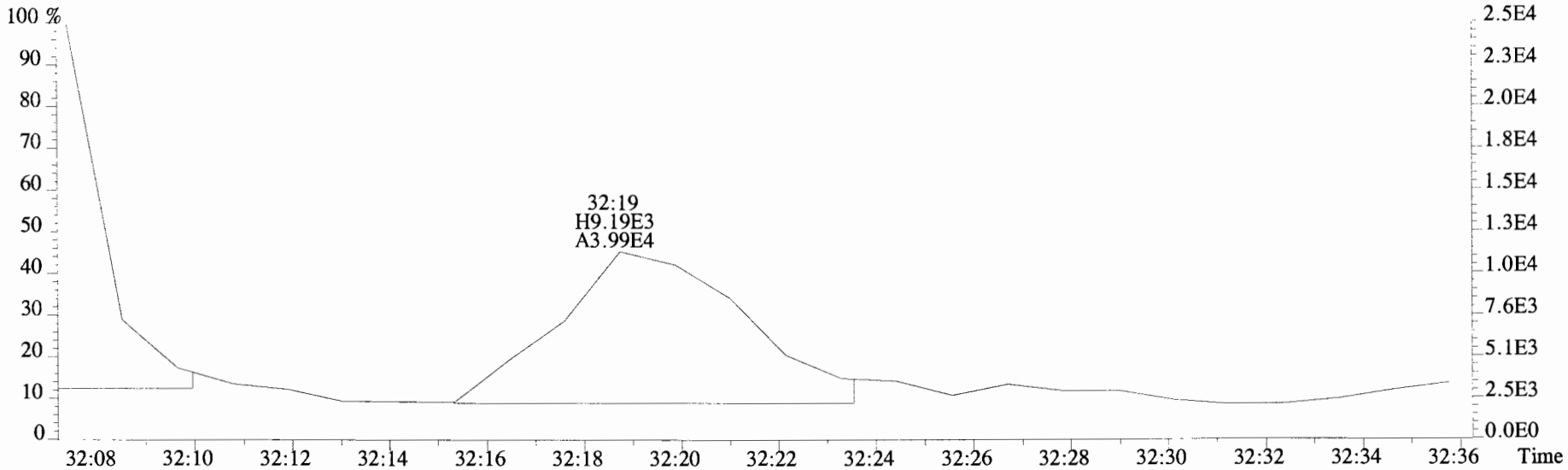
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



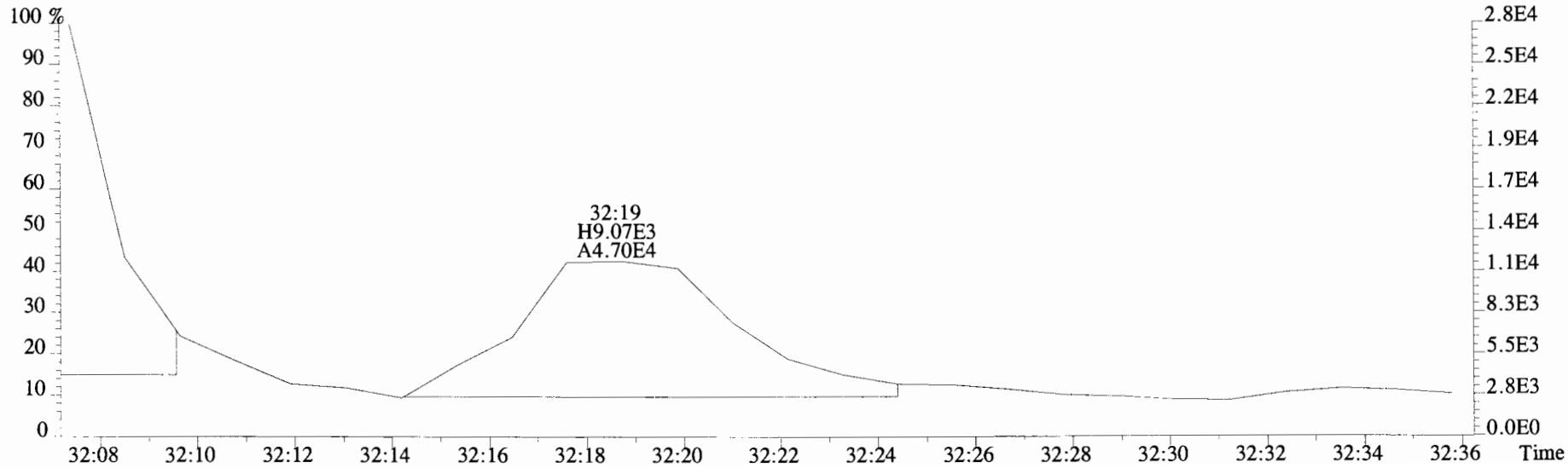

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



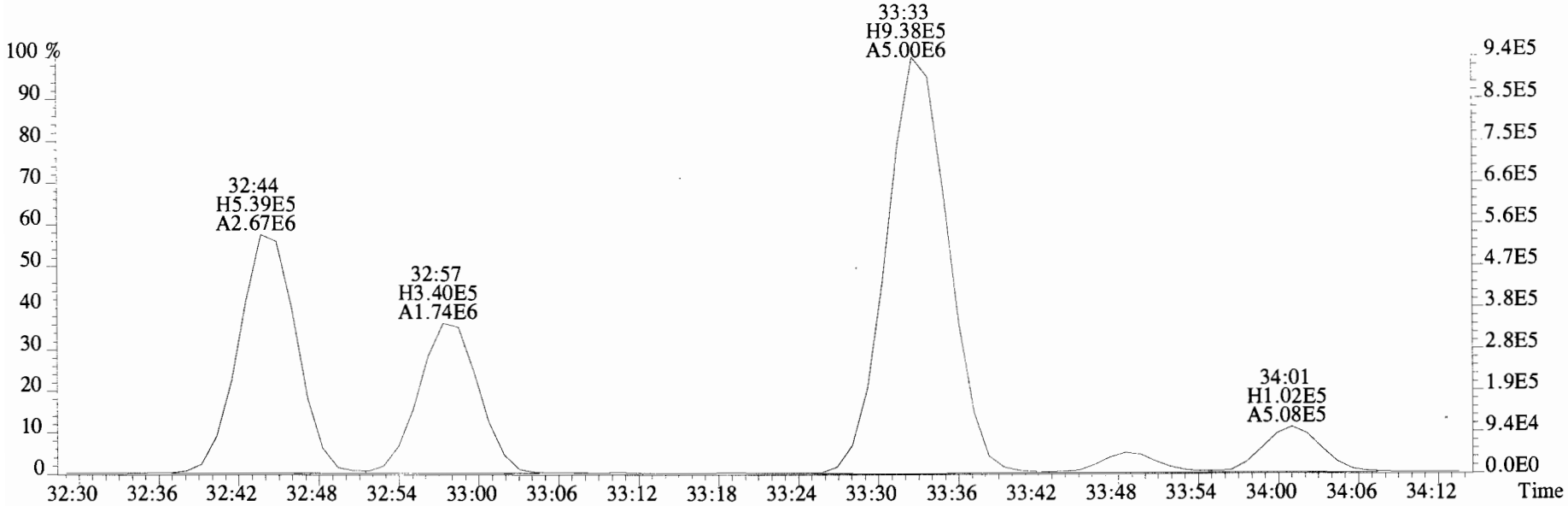
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



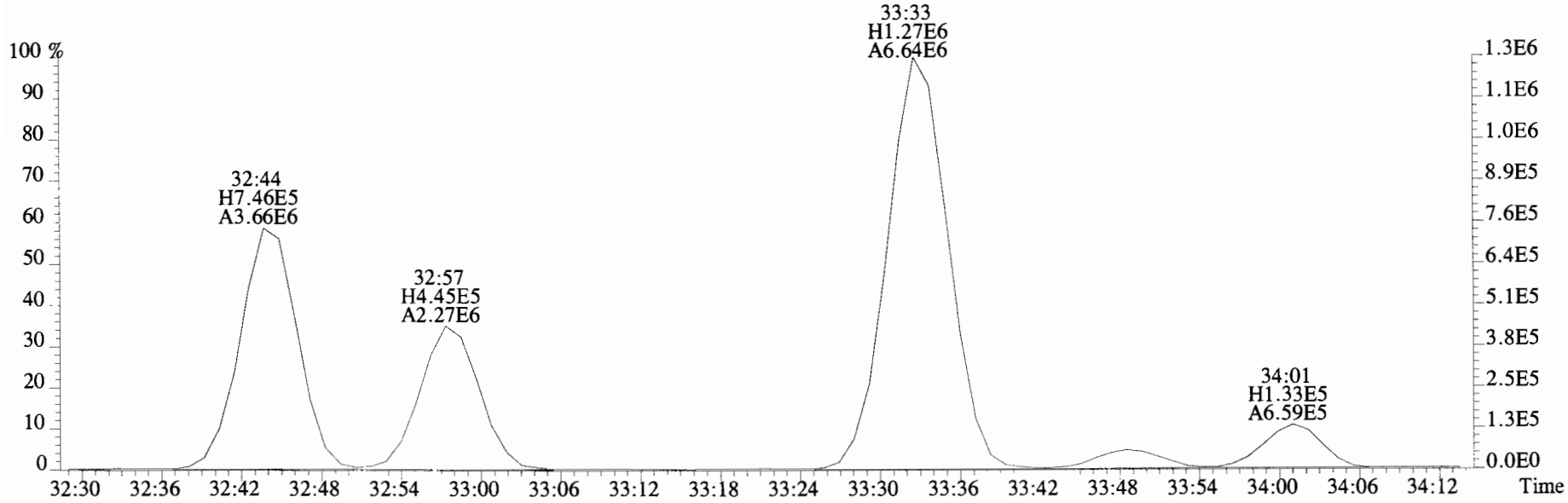

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



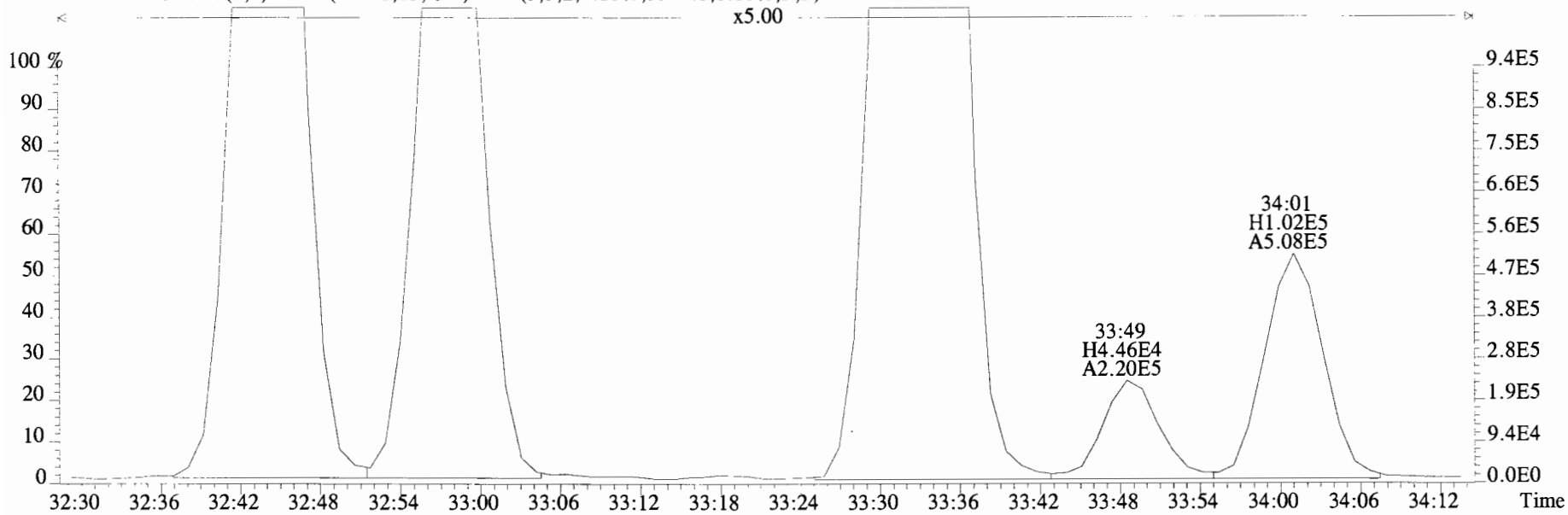
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



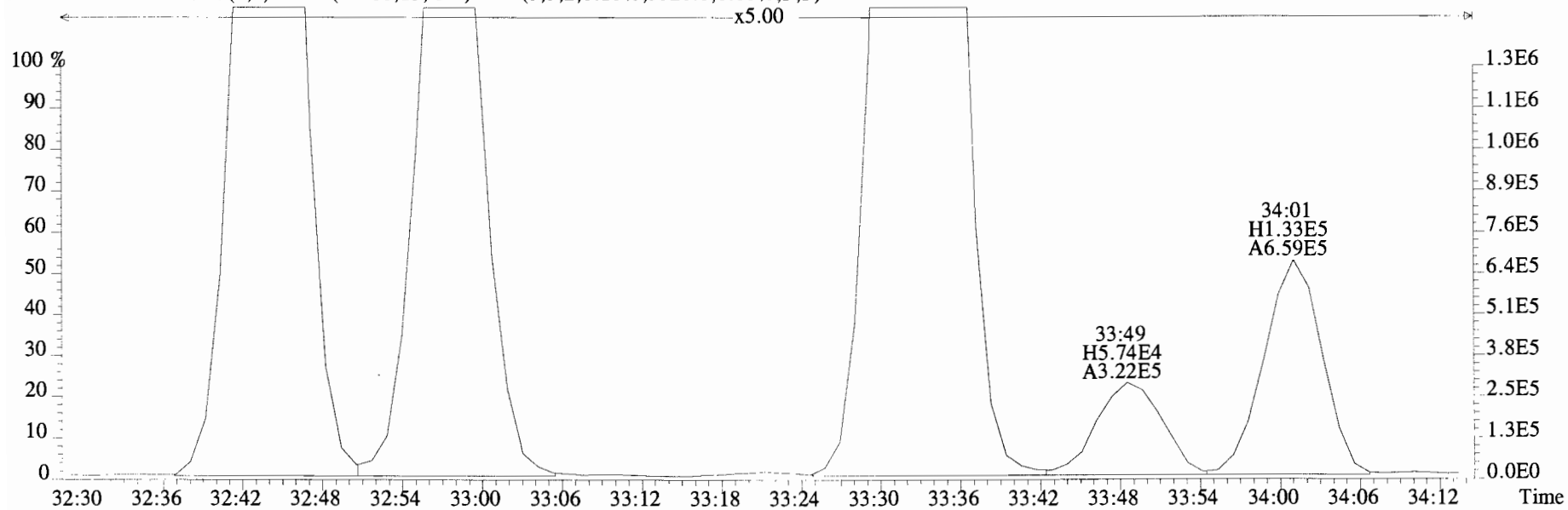

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



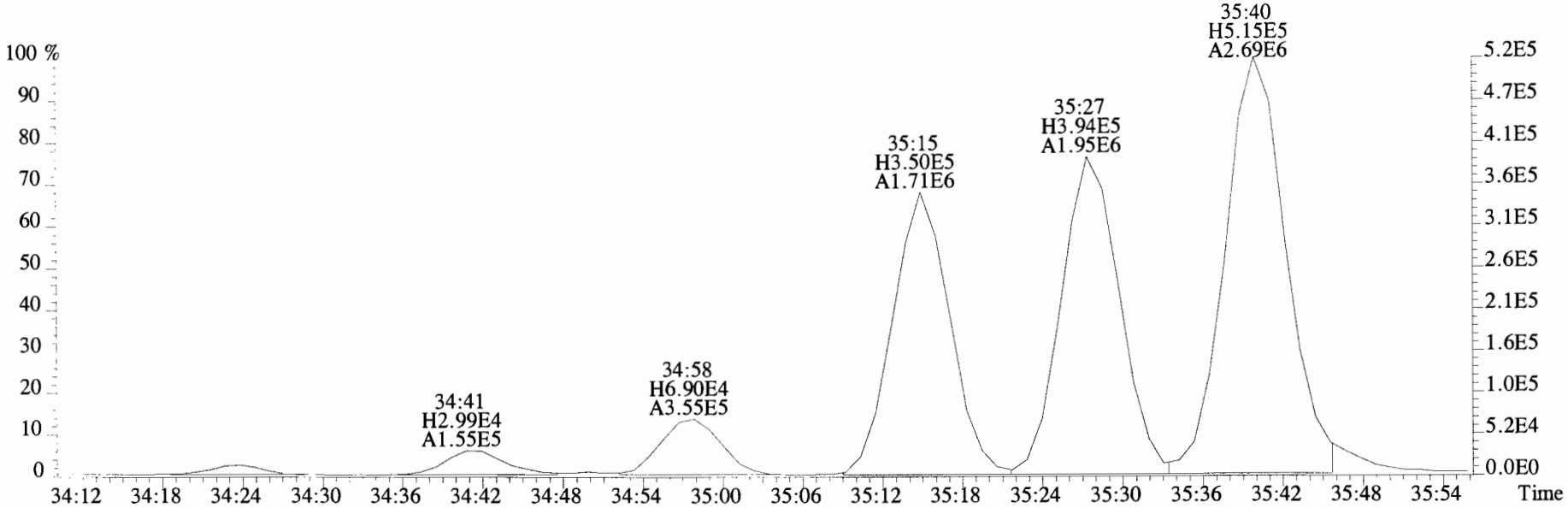
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



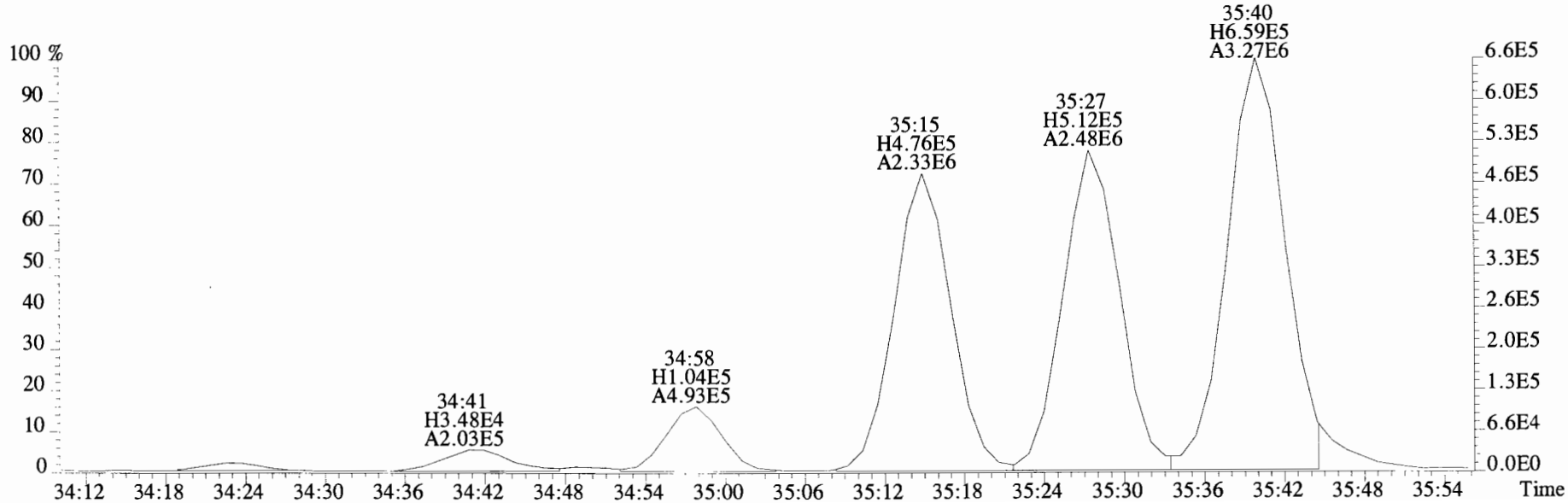

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



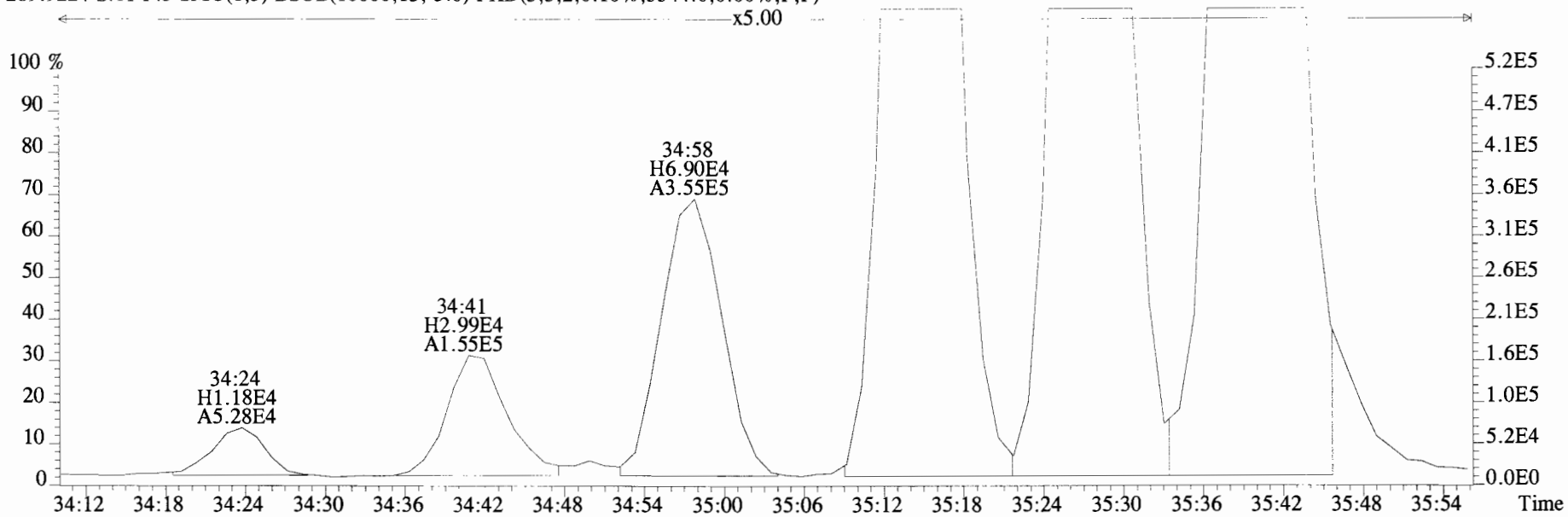
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



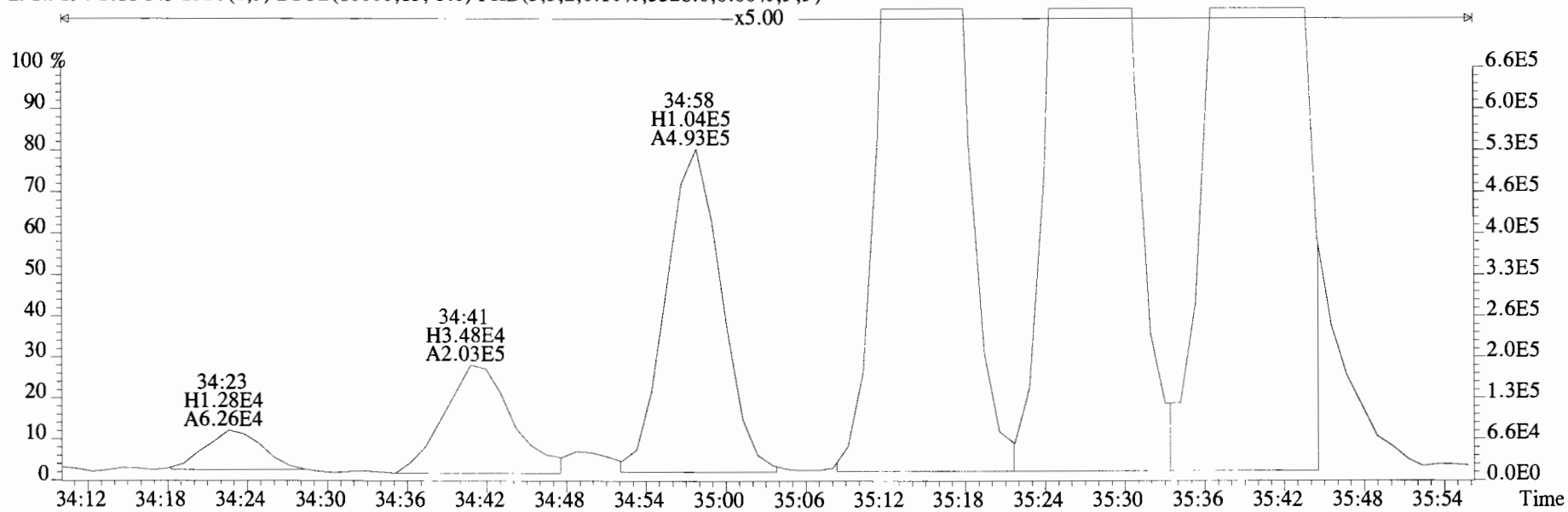

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



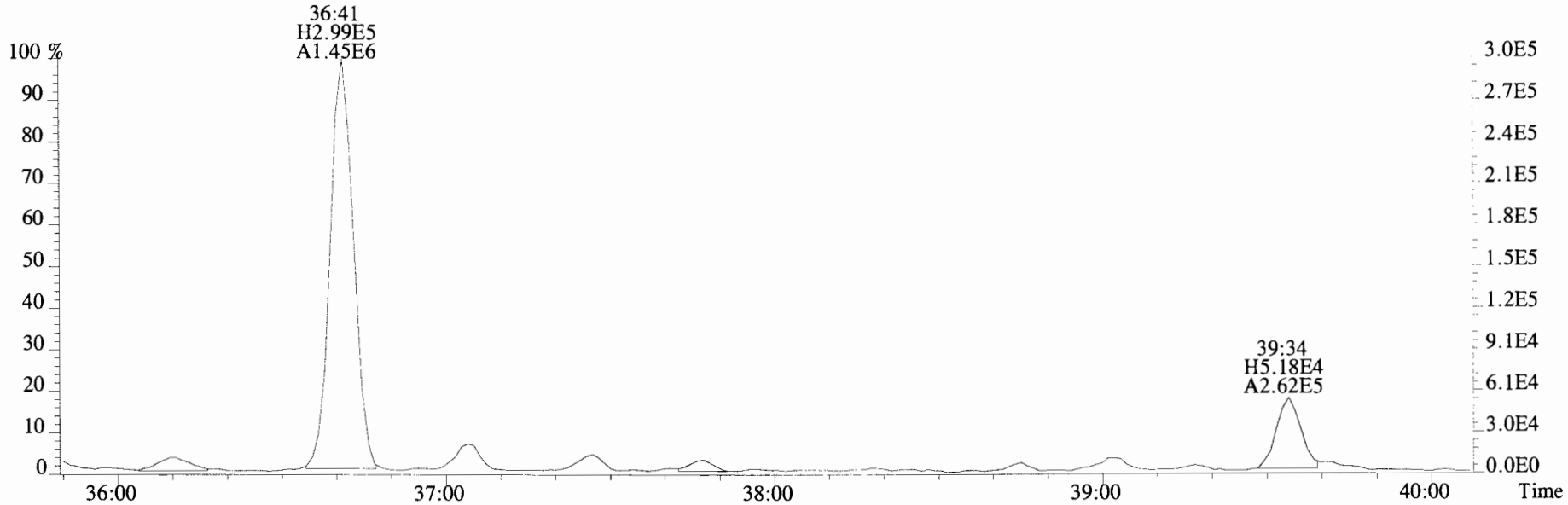
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



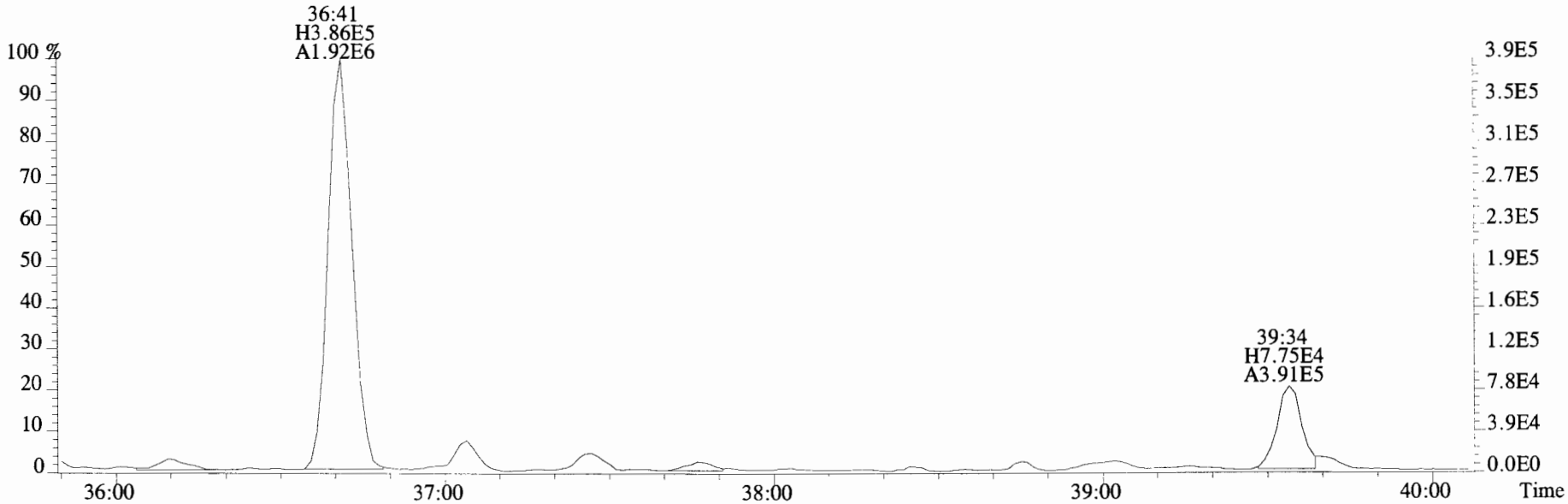

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



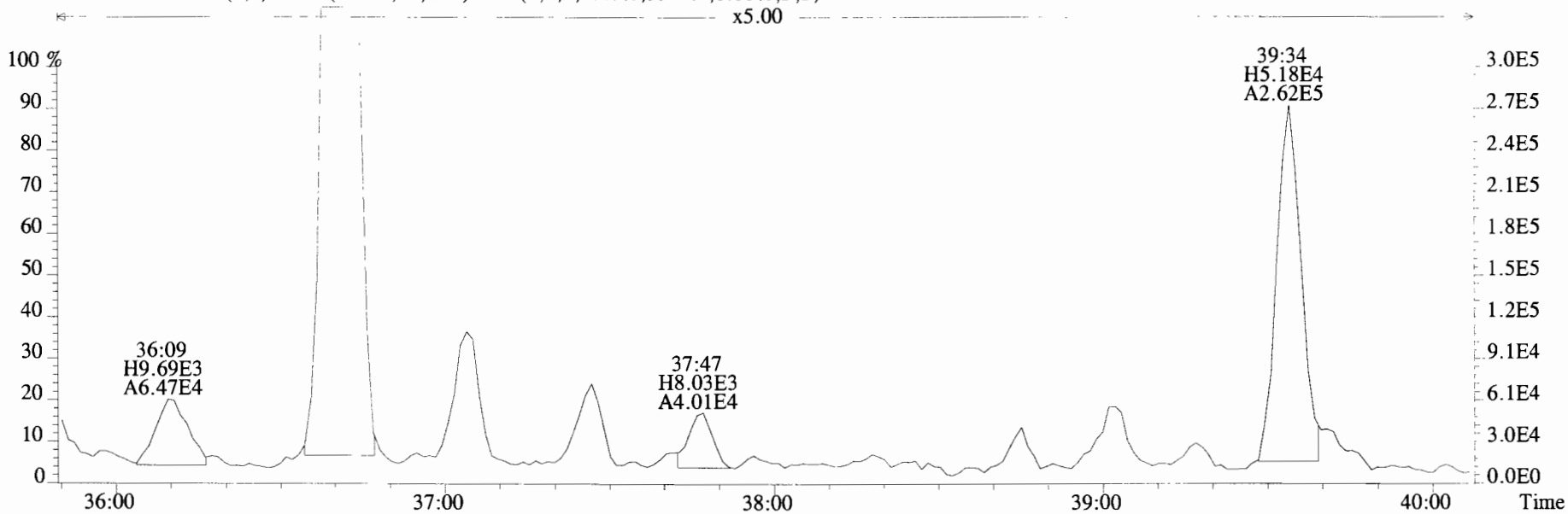
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)



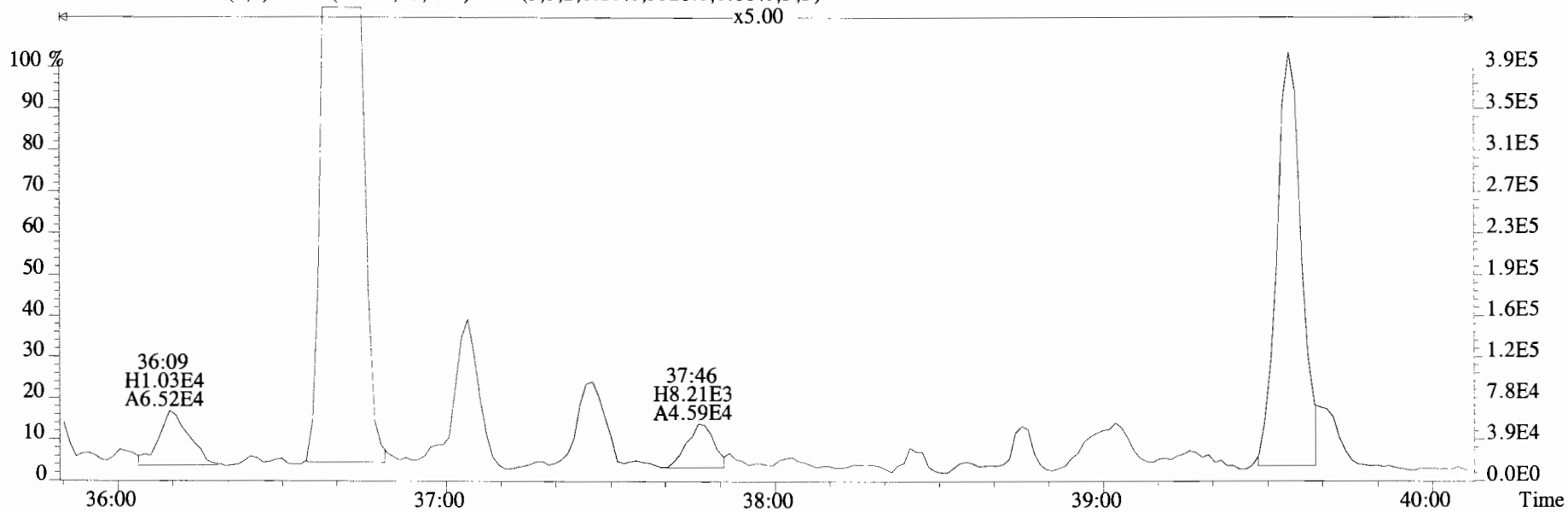

291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
289.9224 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3344.0,0.00%,F,F)

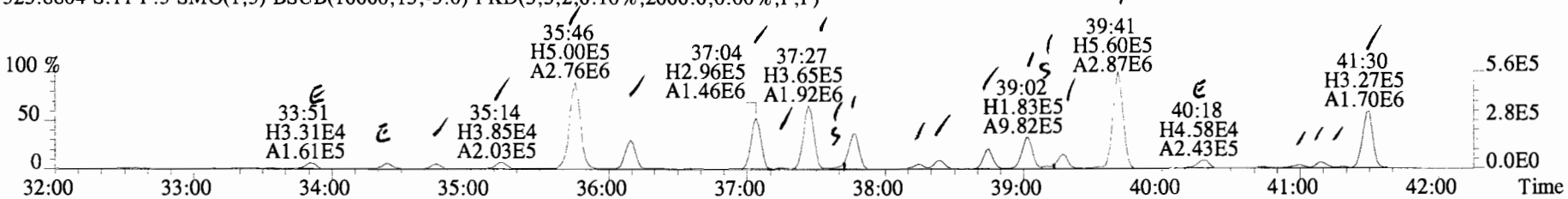



291.9194 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3528.0,0.00%,F,F)

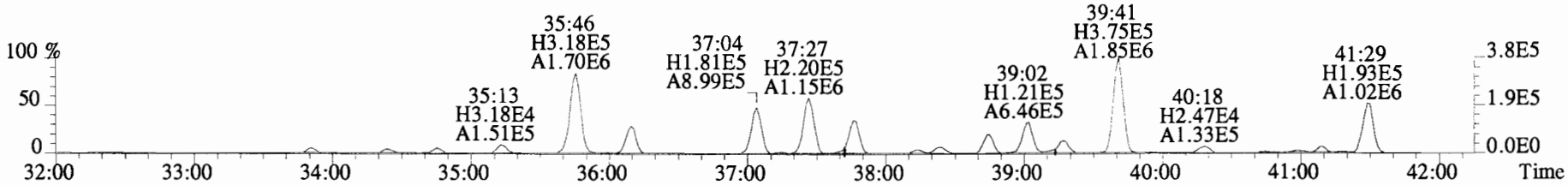


File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1

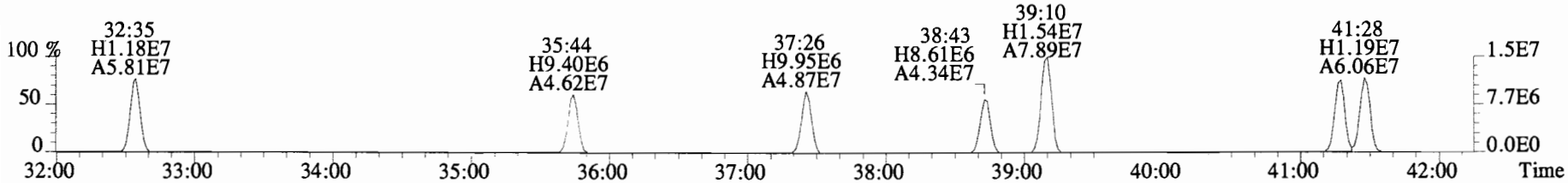
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



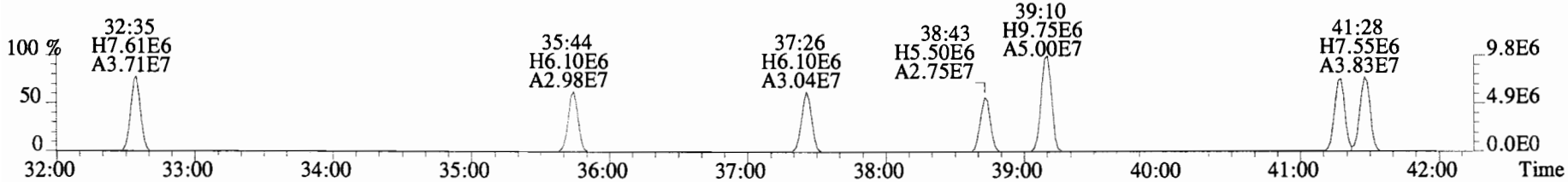

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



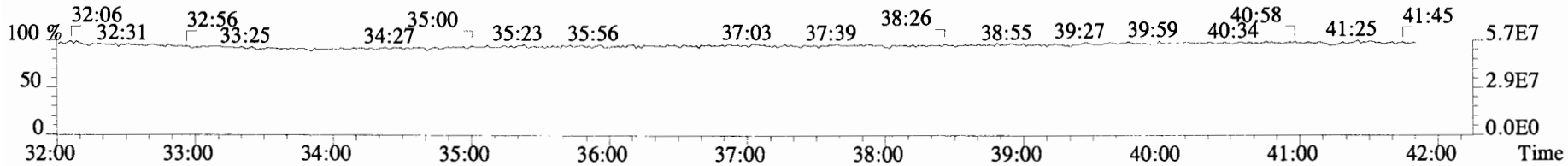

337.9207 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2864.0,0.00%,F,F)



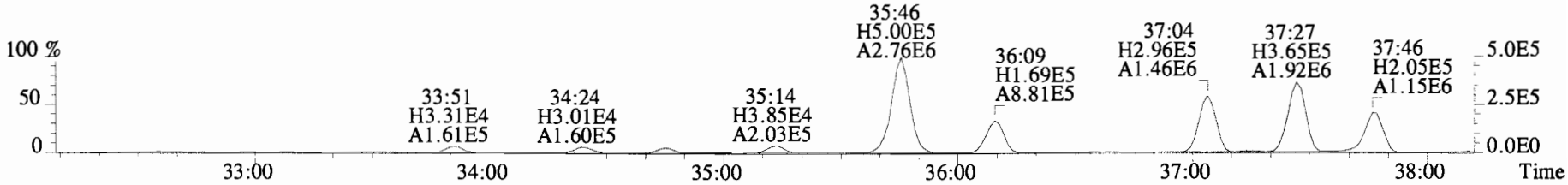

339.9177 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2988.0,0.00%,F,F)



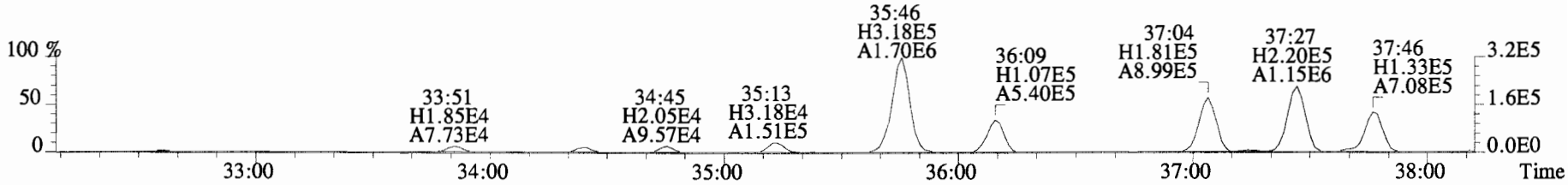

330.9792 S:11 F:3



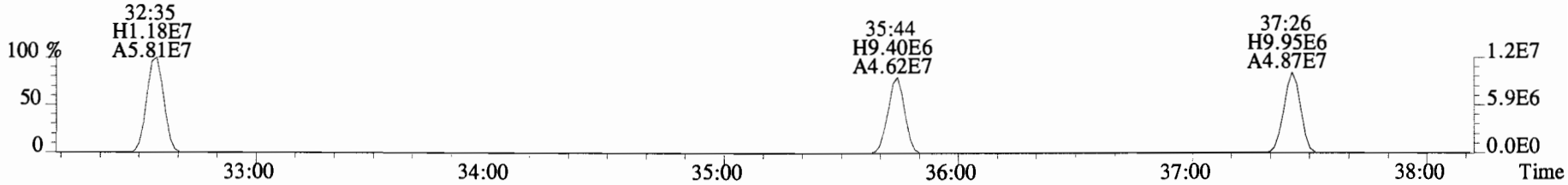
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



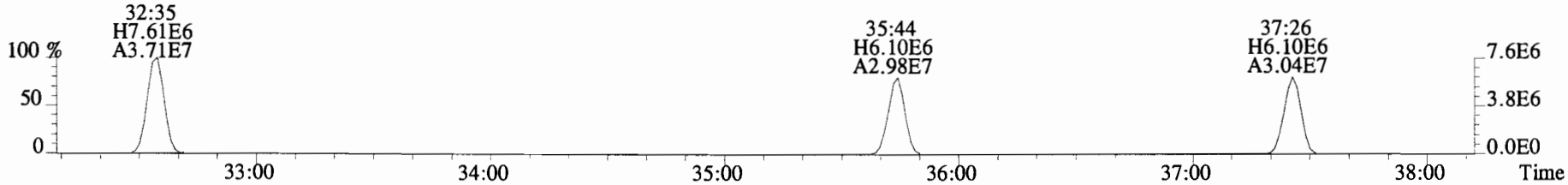

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



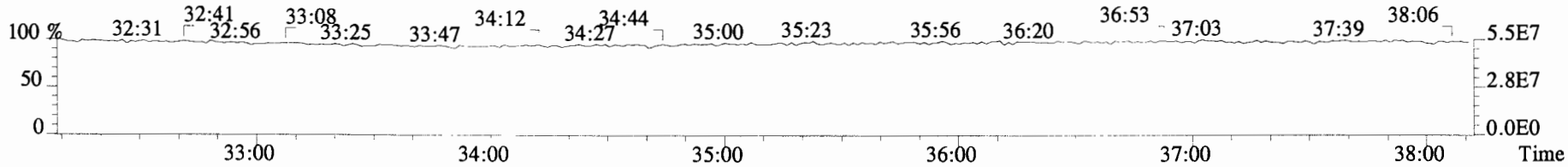

337.9207 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2864.0,0.00%,F,F)



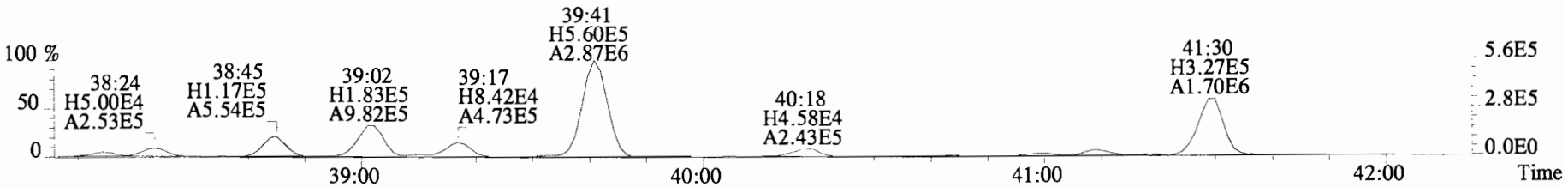

339.9177 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2988.0,0.00%,F,F)



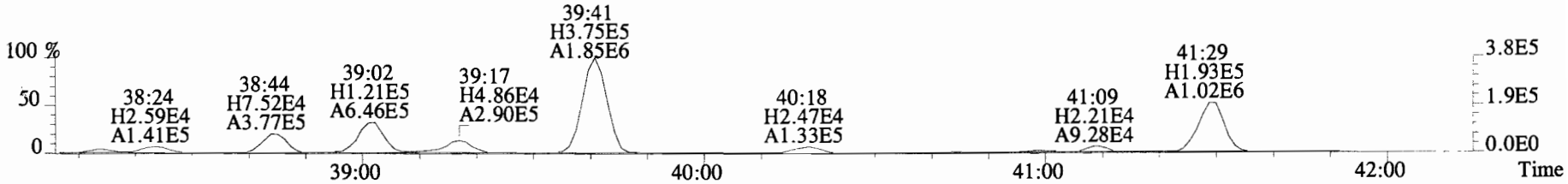

330.9792 S:11 F:3



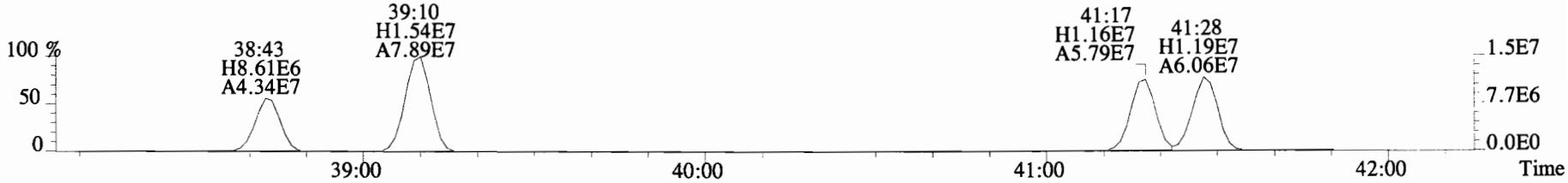
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



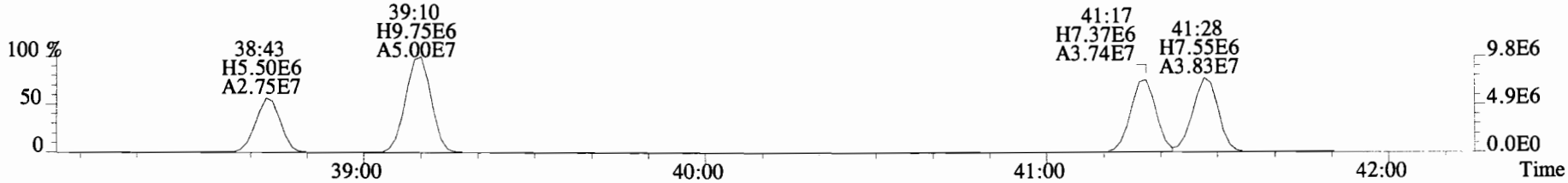

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



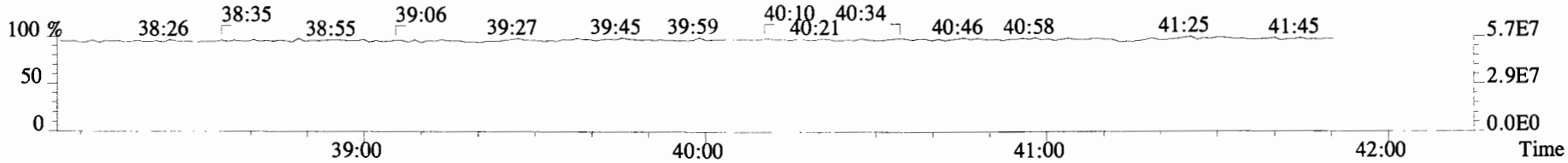

337.9207 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2864.0,0.00%,F,F)



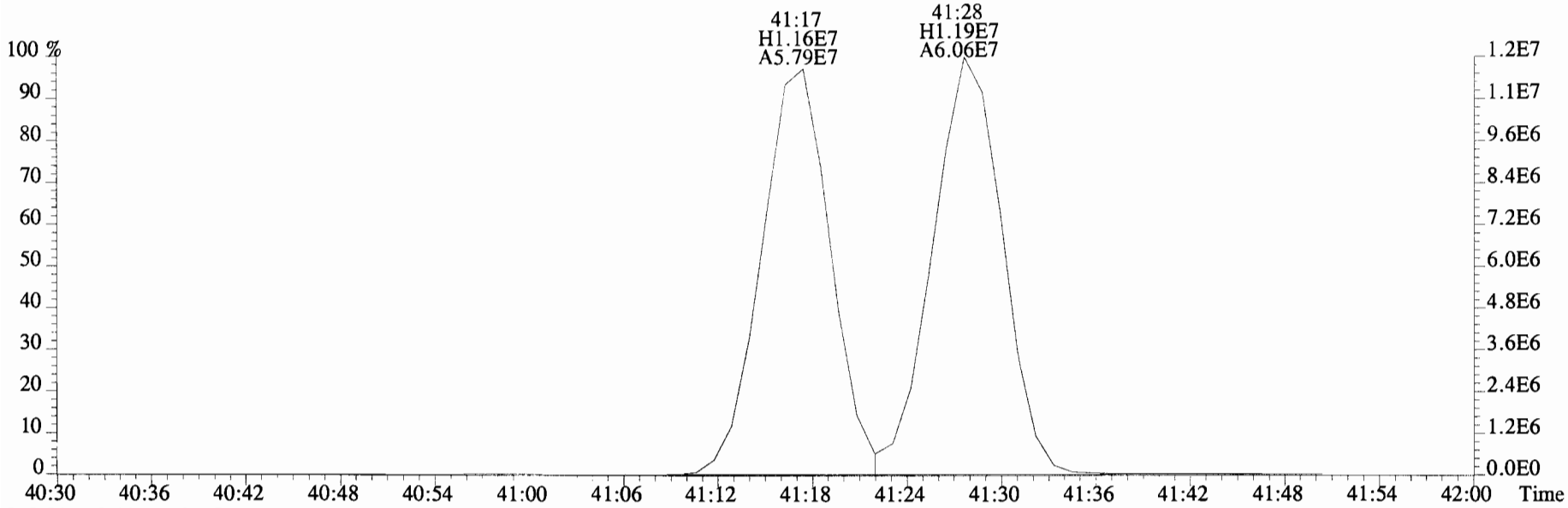

339.9177 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2988.0,0.00%,F,F)



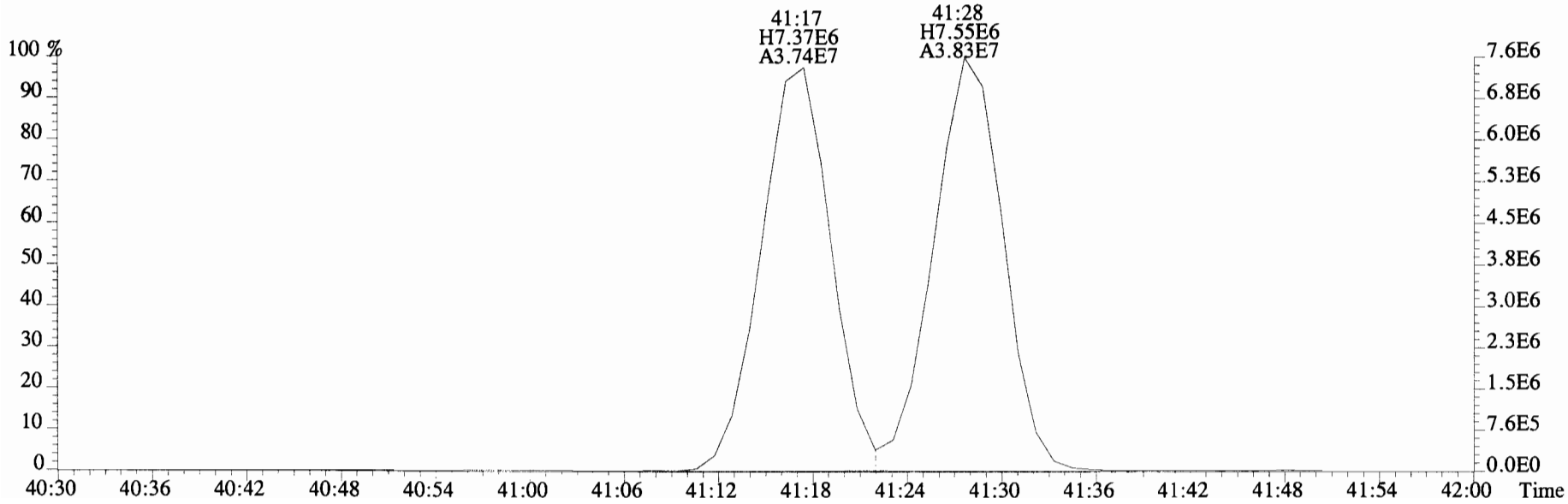

330.9792 S:11 F:3



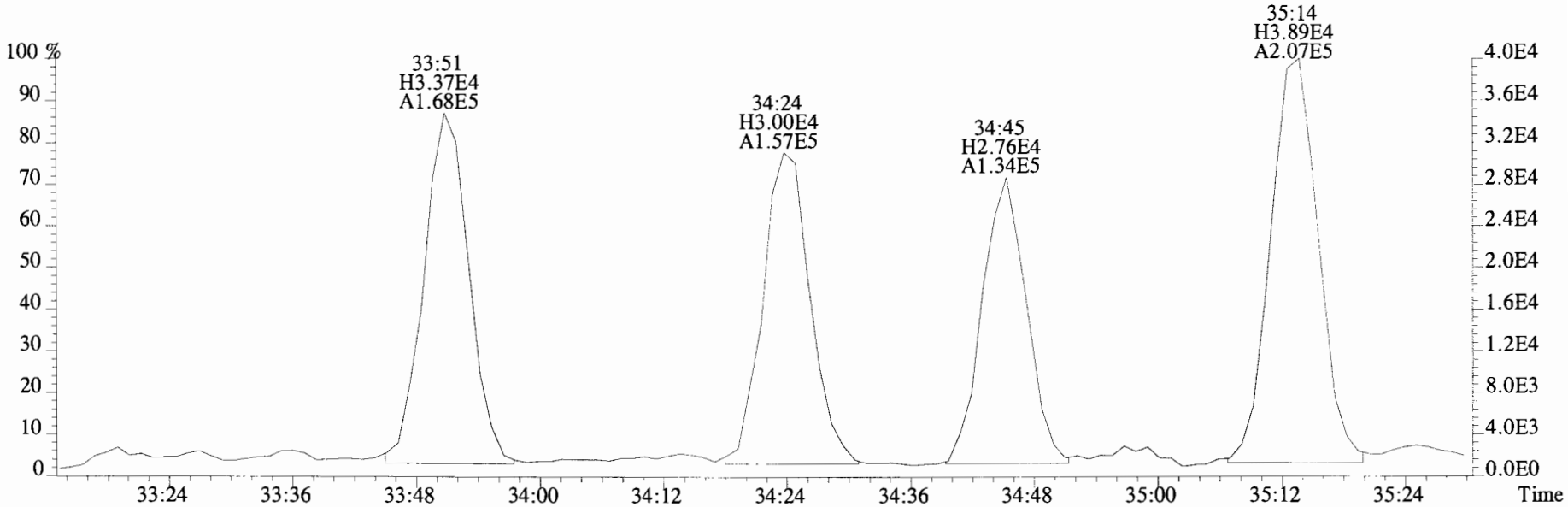
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
337.9207 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2864.0,0.00%,F,F)



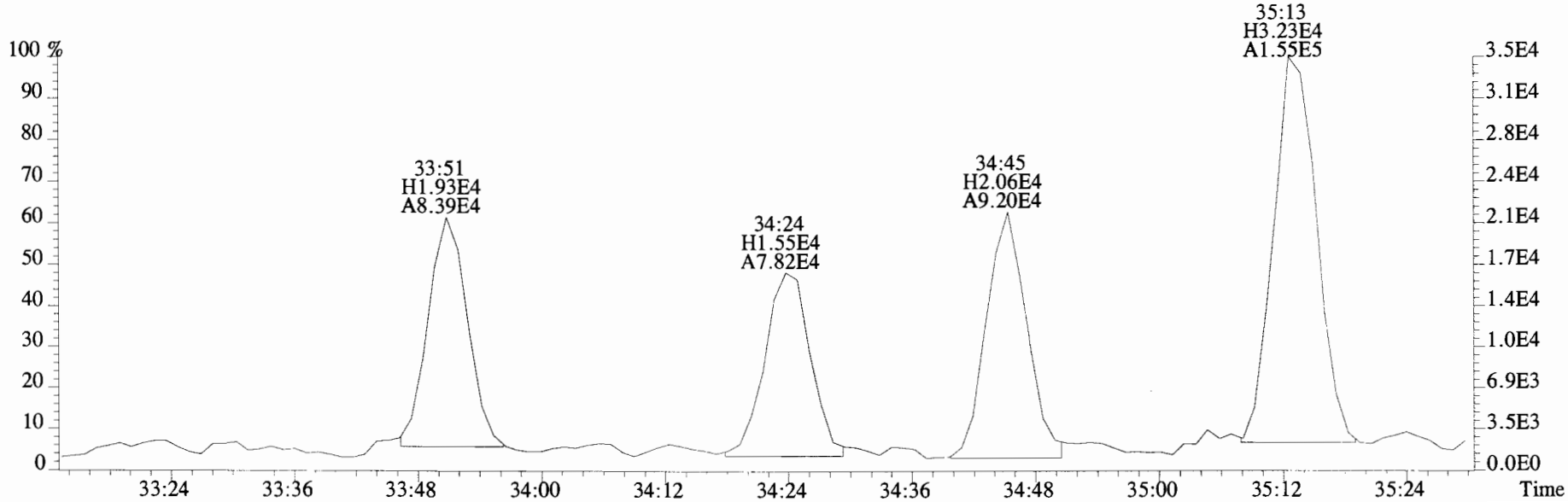

339.9177 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2988.0,0.00%,F,F)



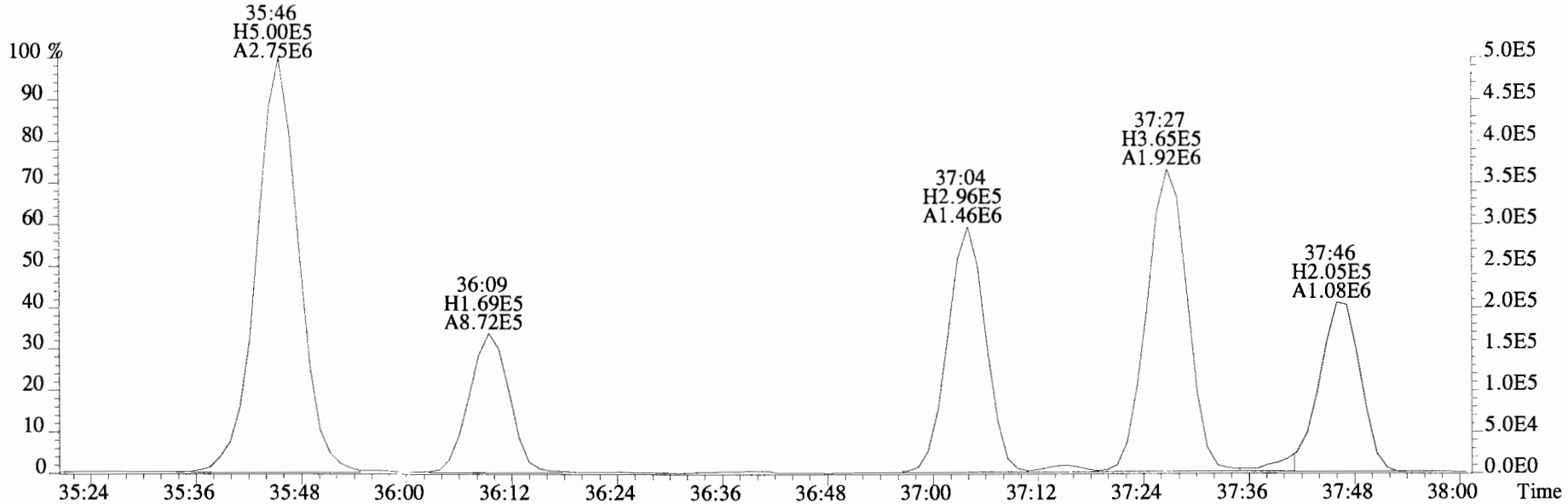
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



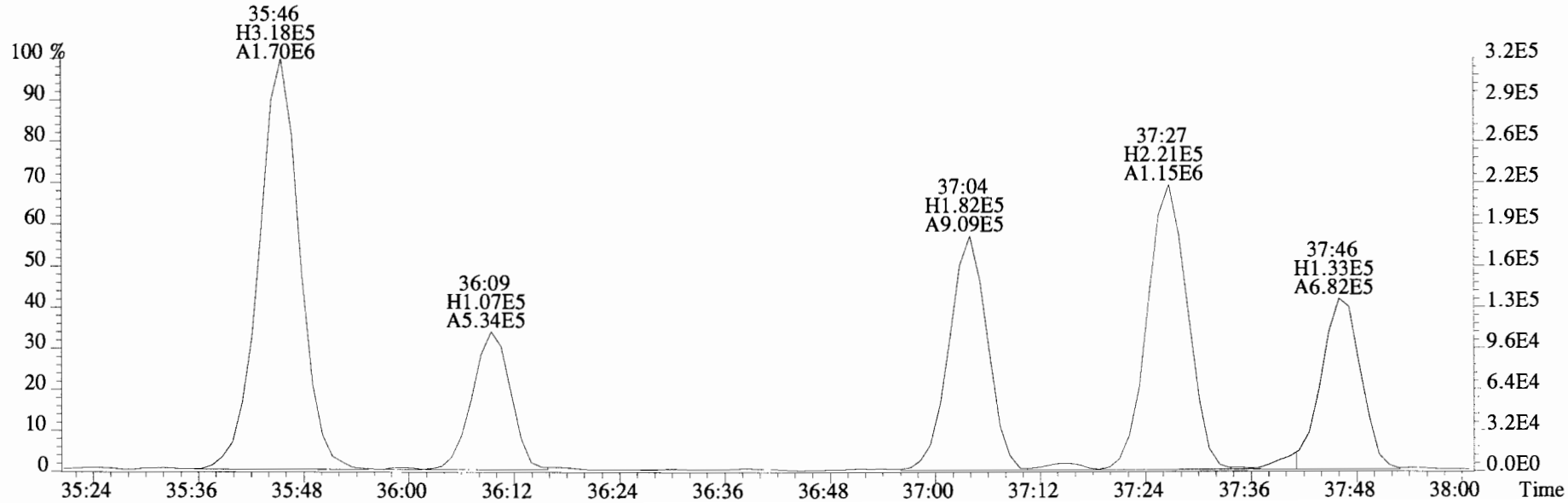

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



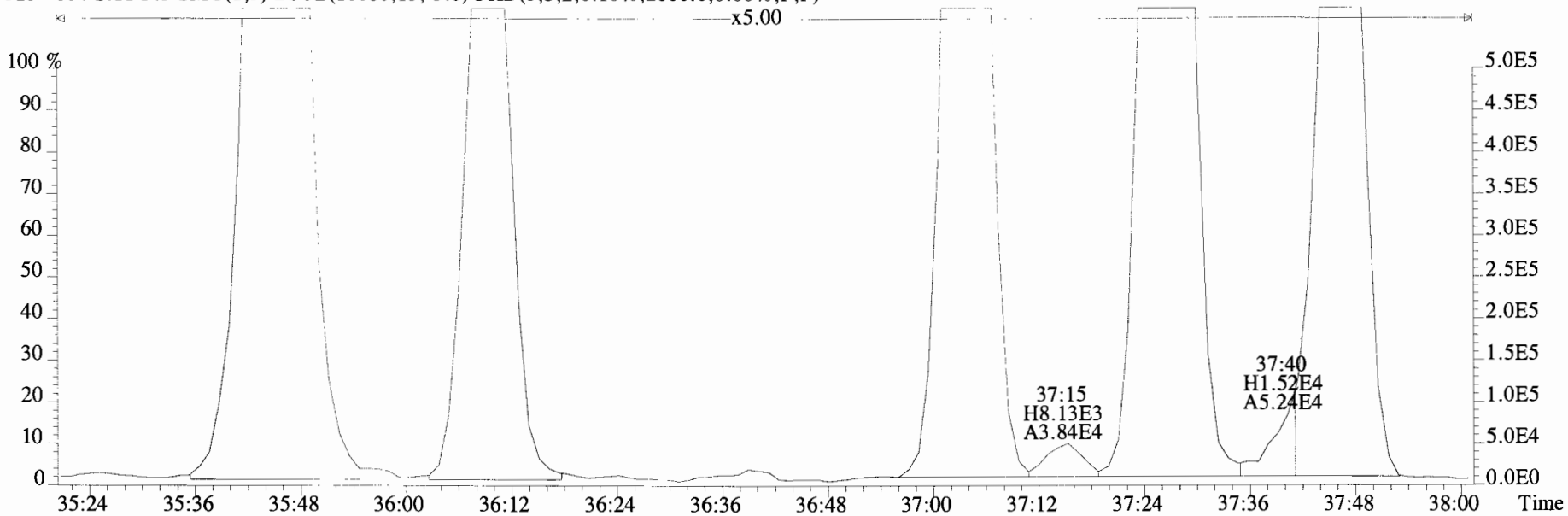
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



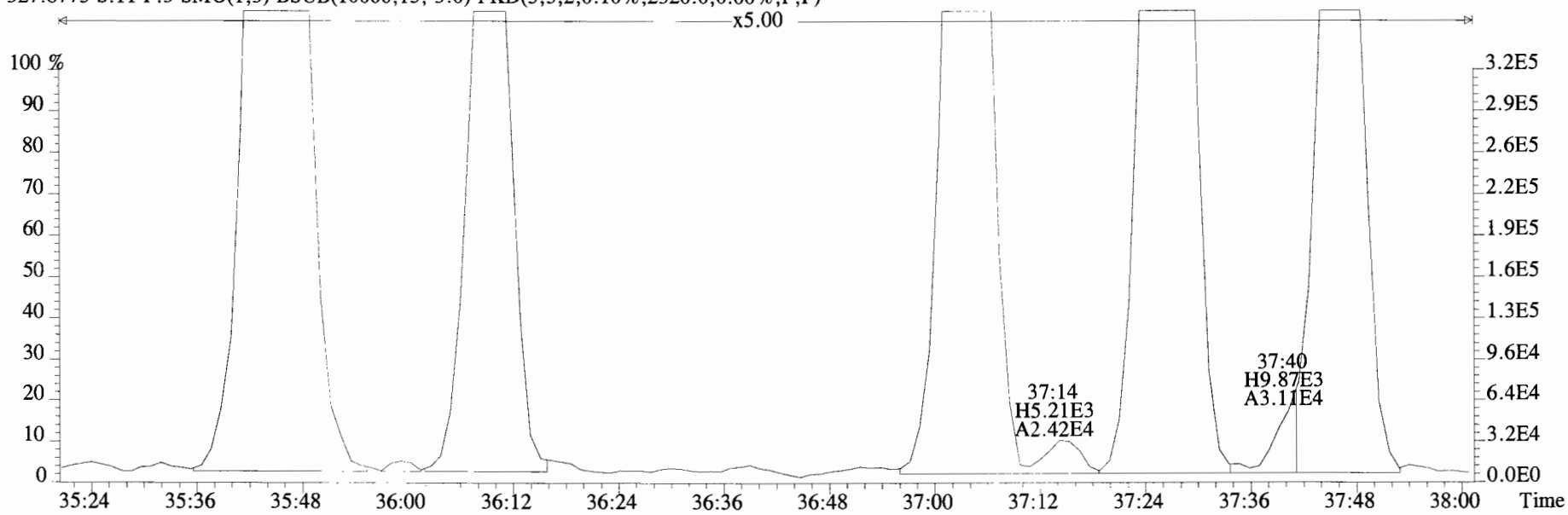

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



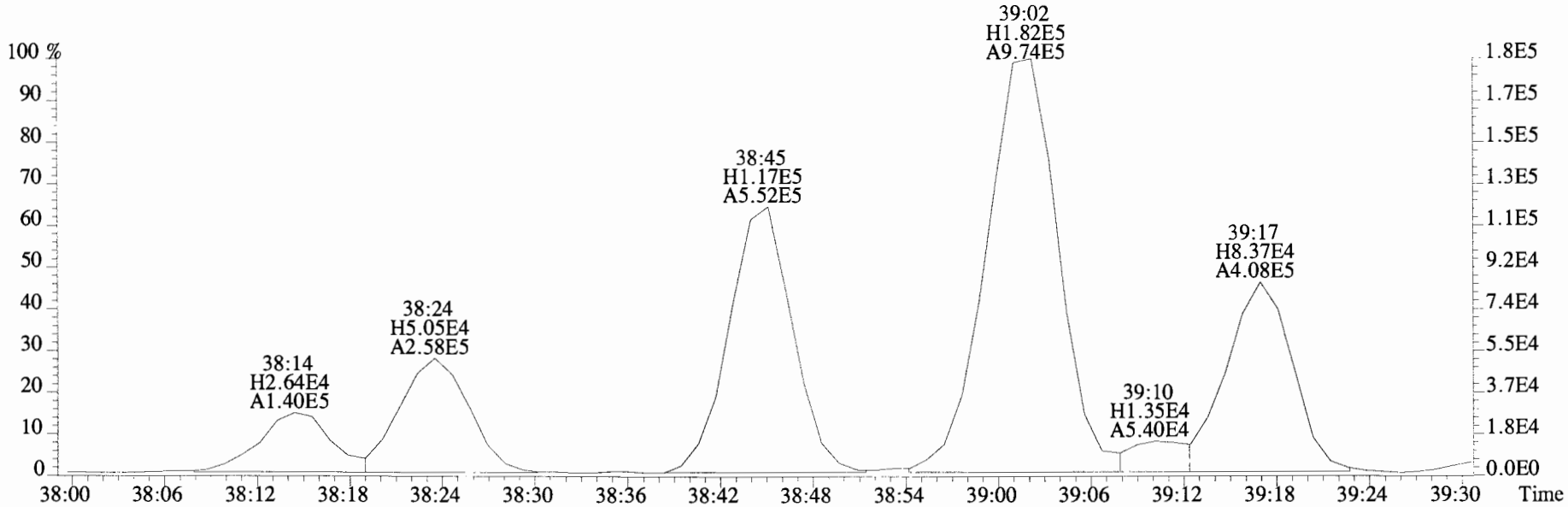
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC El+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



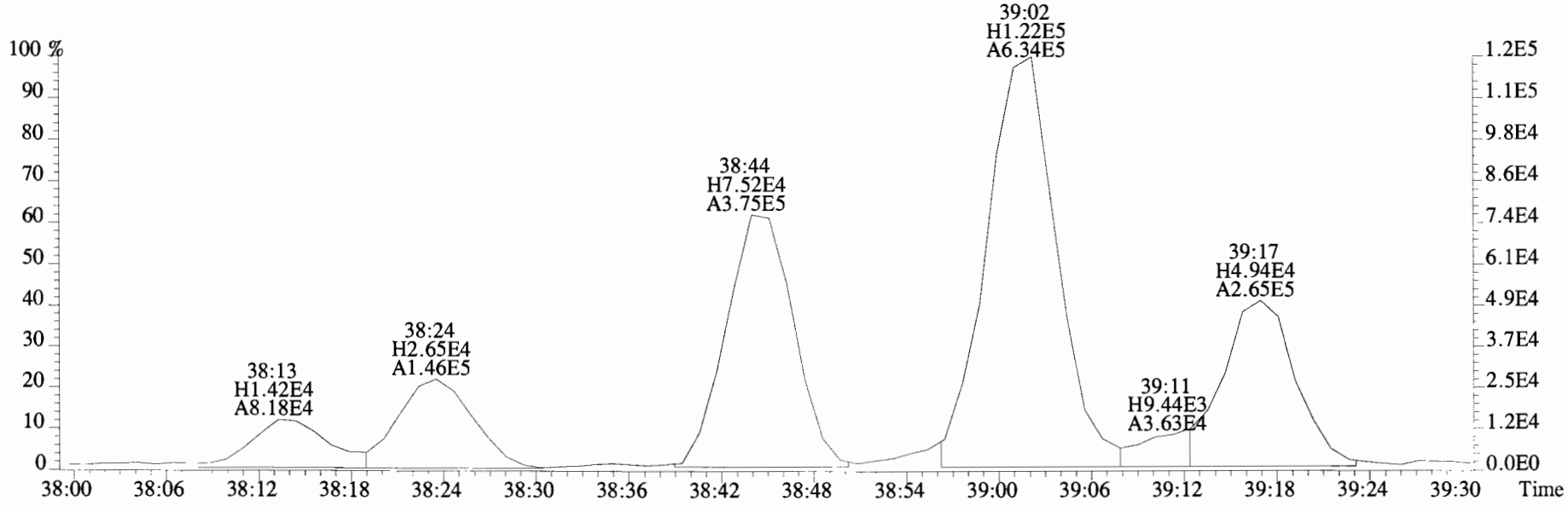

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



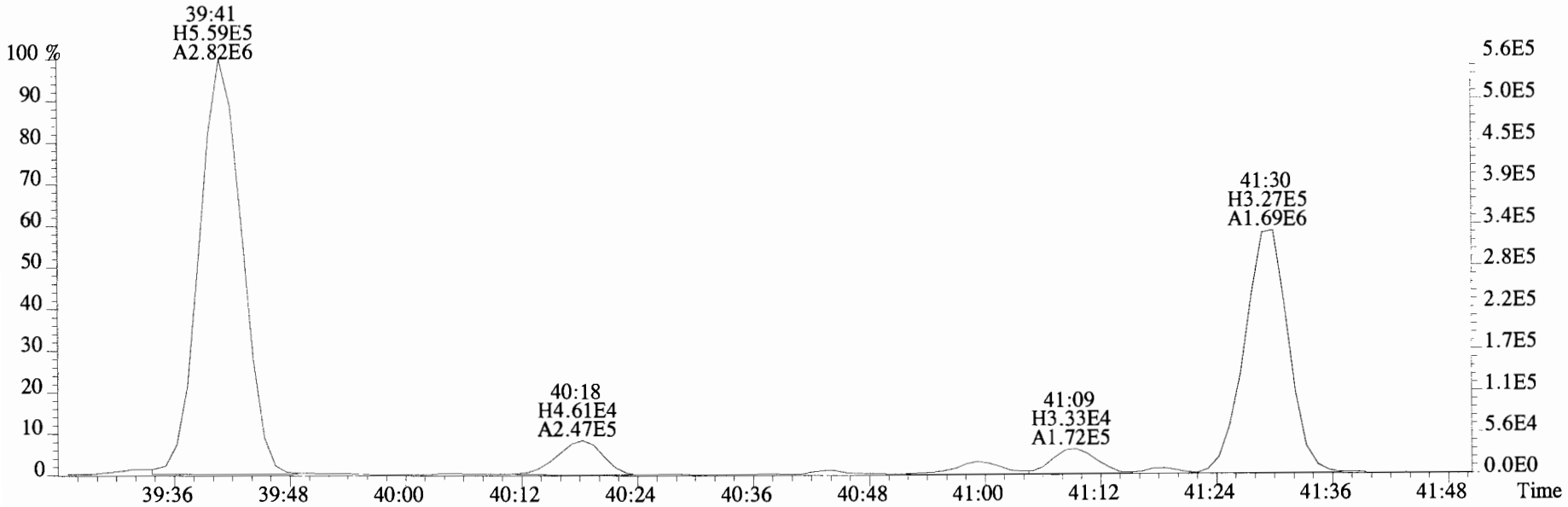
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



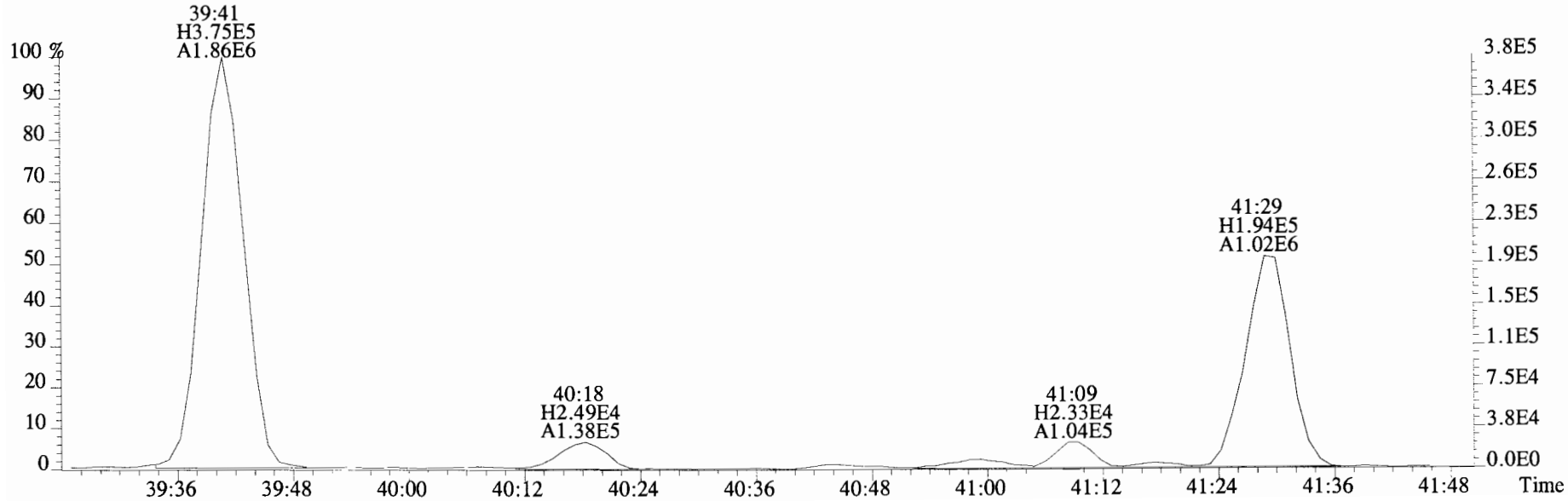

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



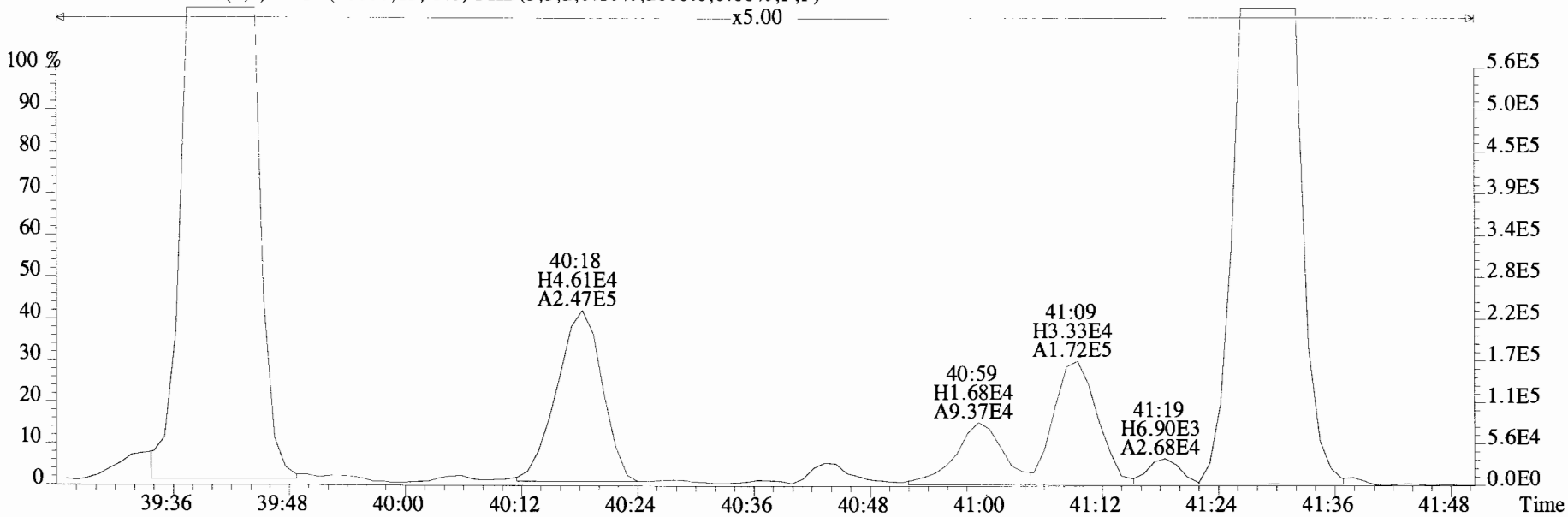
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



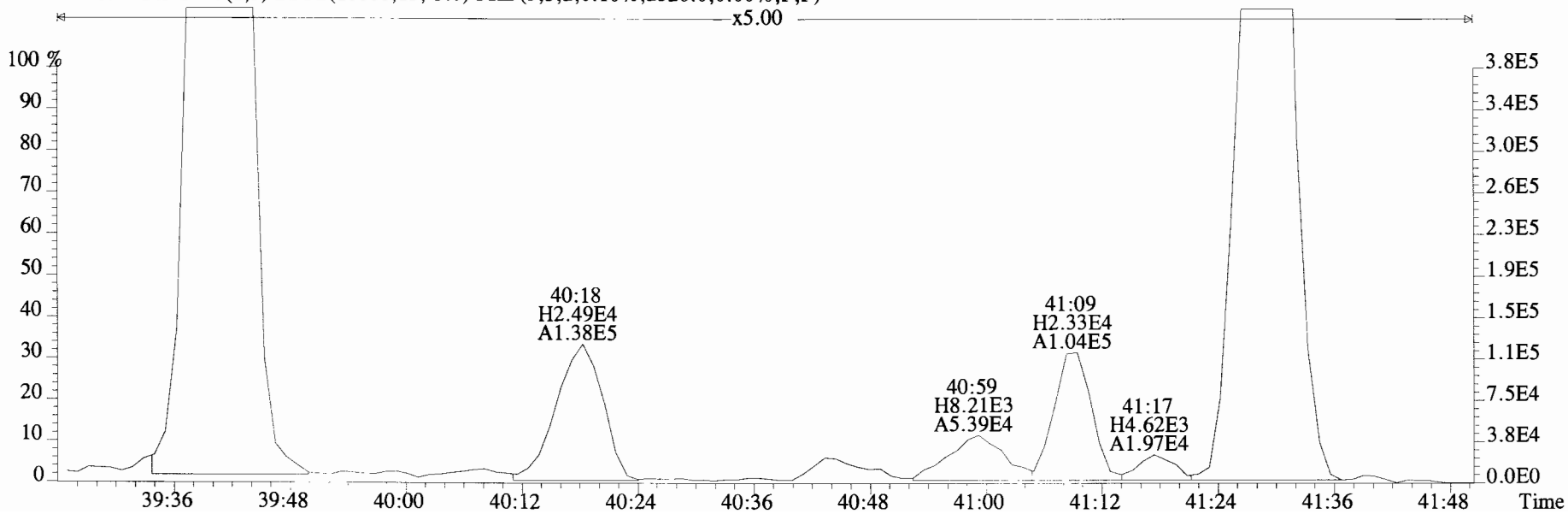

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



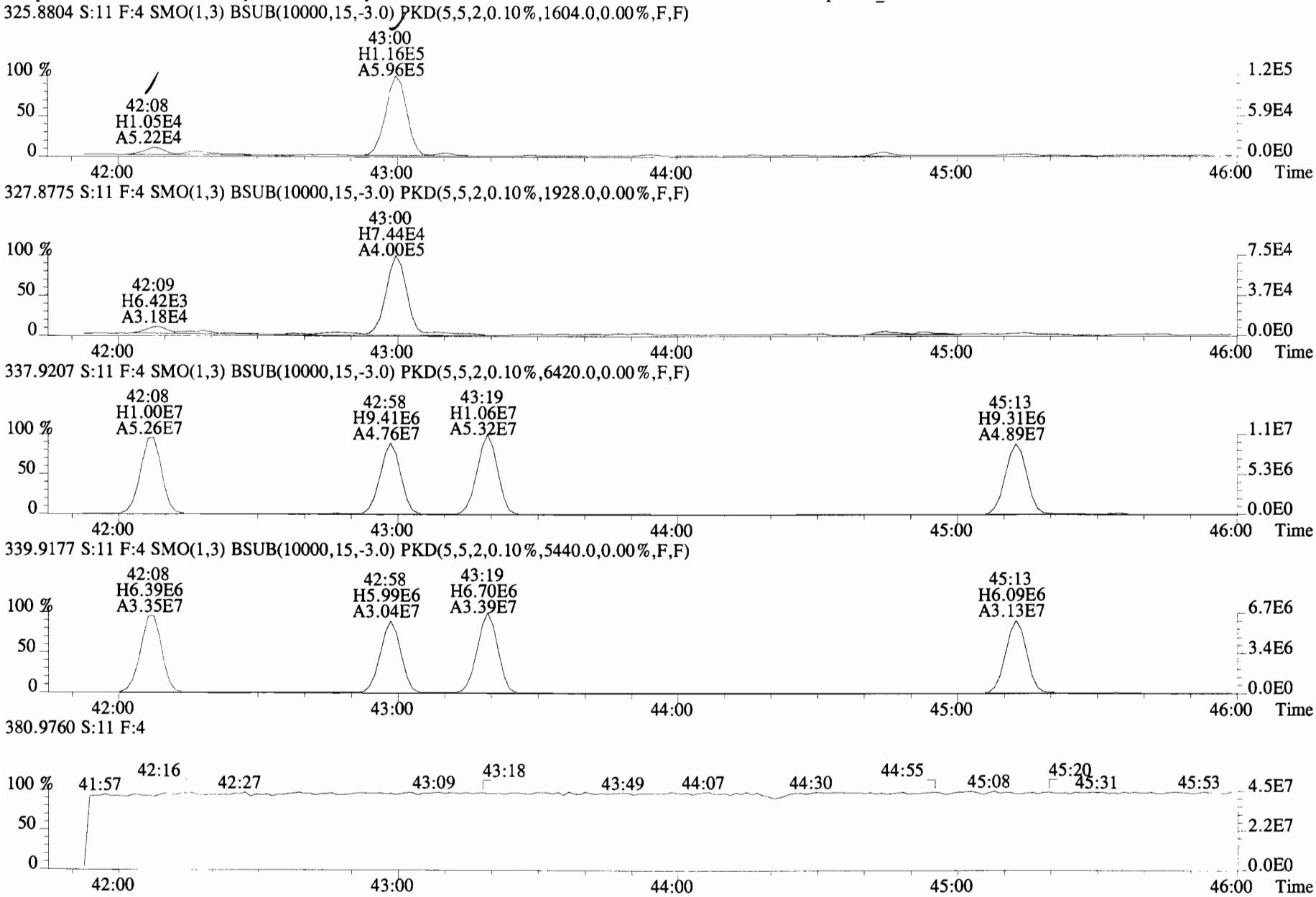
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



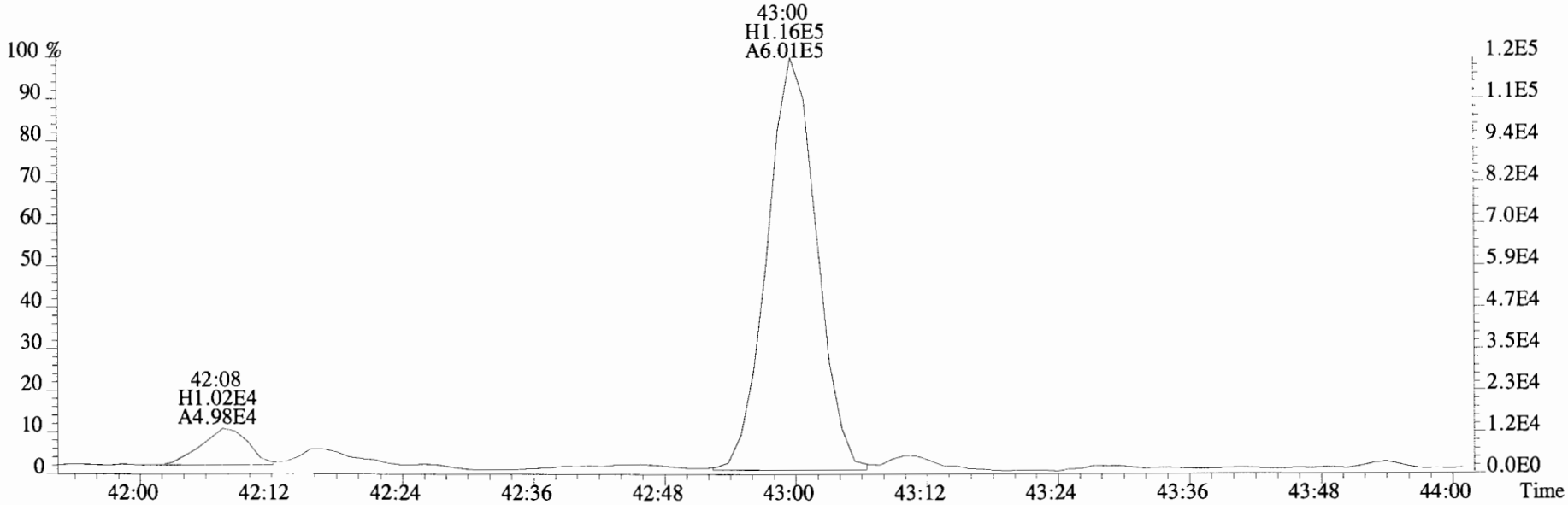

327.8775 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2320.0,0.00%,F,F)



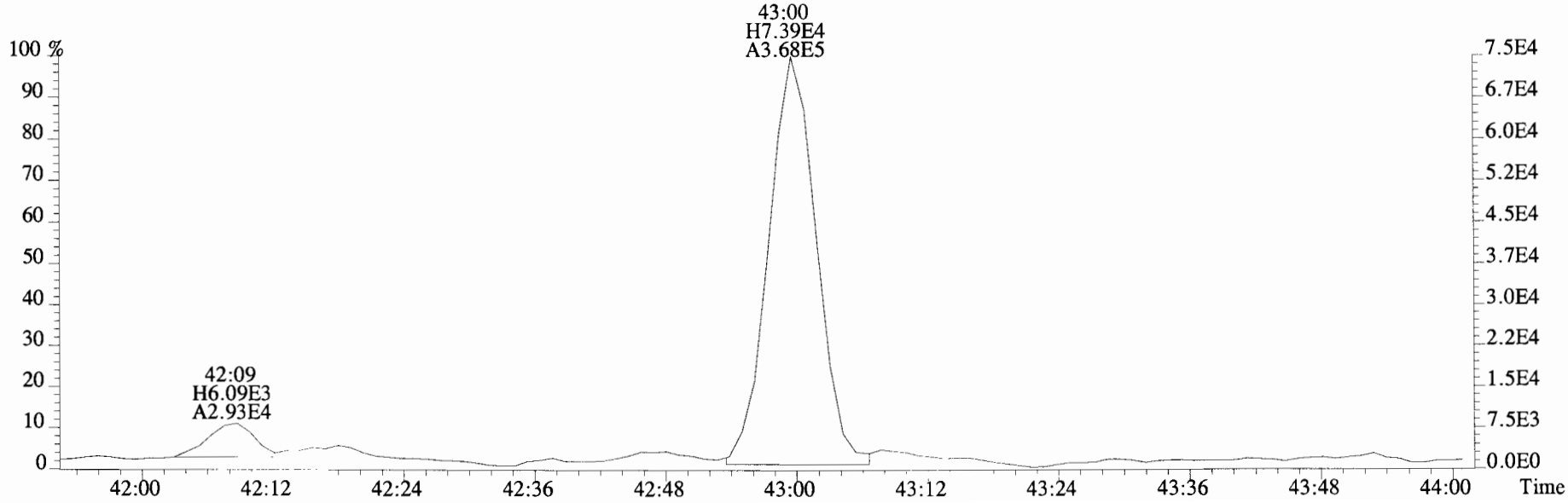
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1



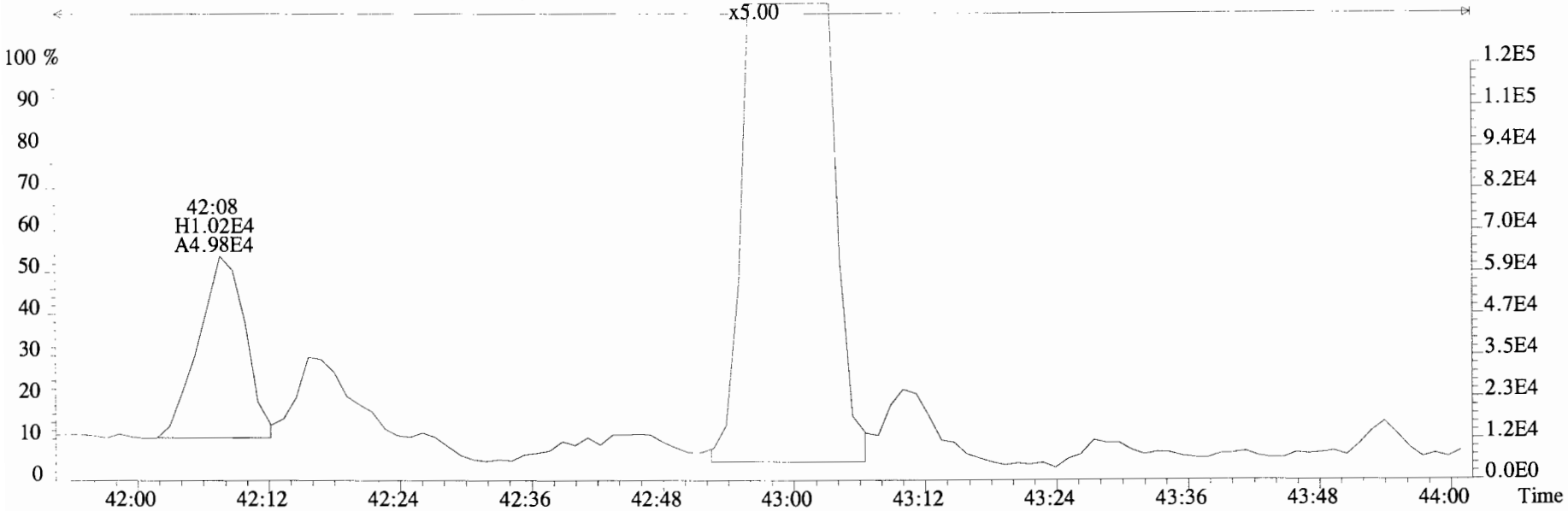
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1604.0,0.00%,F,F)



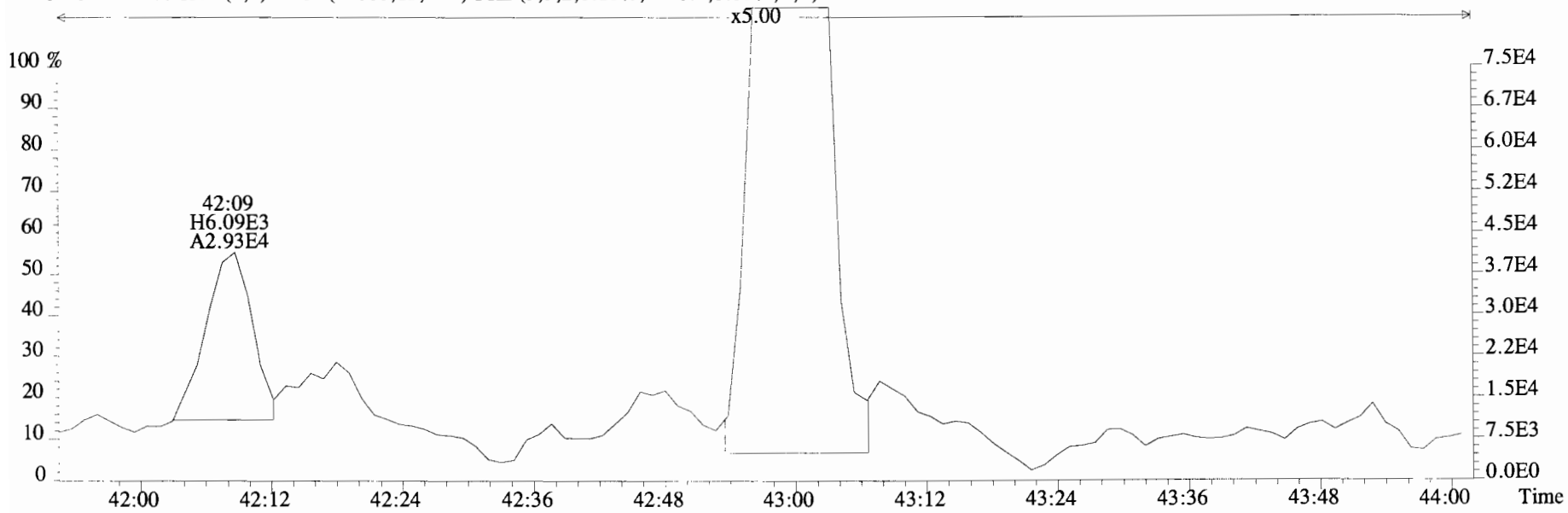

327.8775 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1928.0,0.00%,F,F)



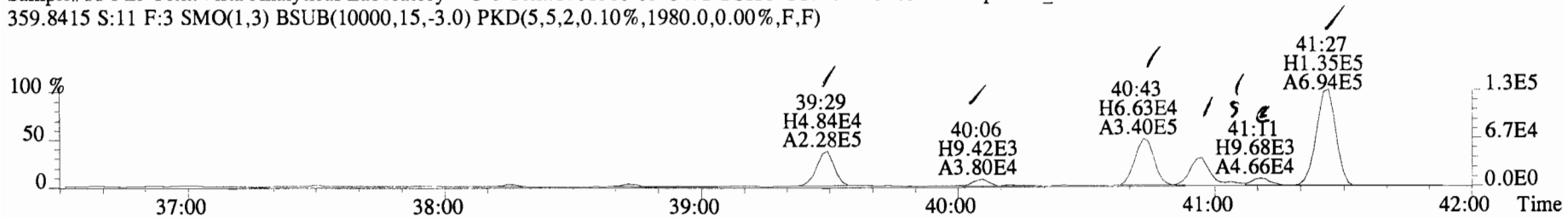
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
325.8804 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1604.0,0.00%,F,F)



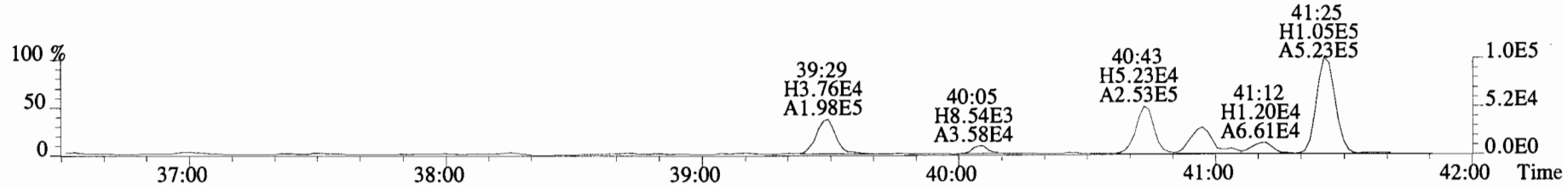

327.8775 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1928.0,0.00%,F,F)



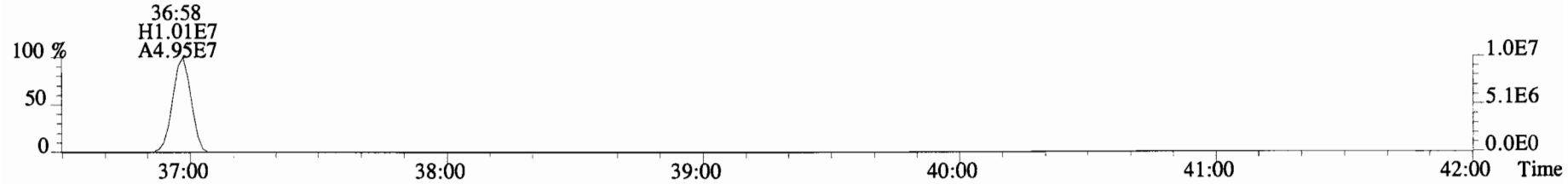
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1980.0,0.00%,F,F)



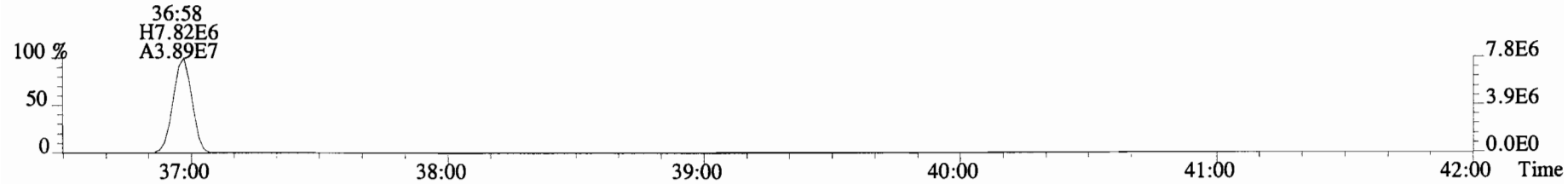

361.8385 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



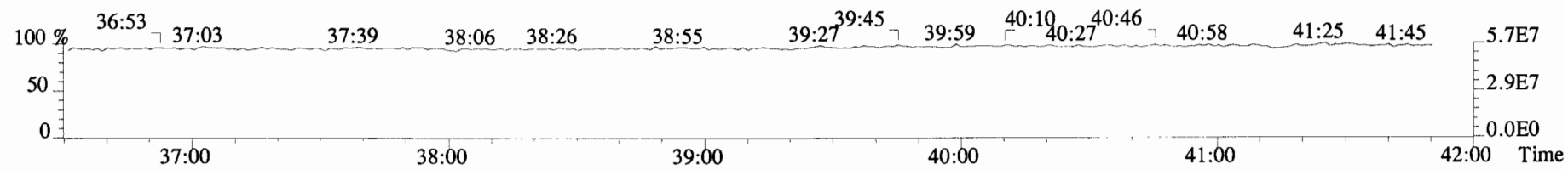

371.8817 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2128.0,0.00%,F,F)



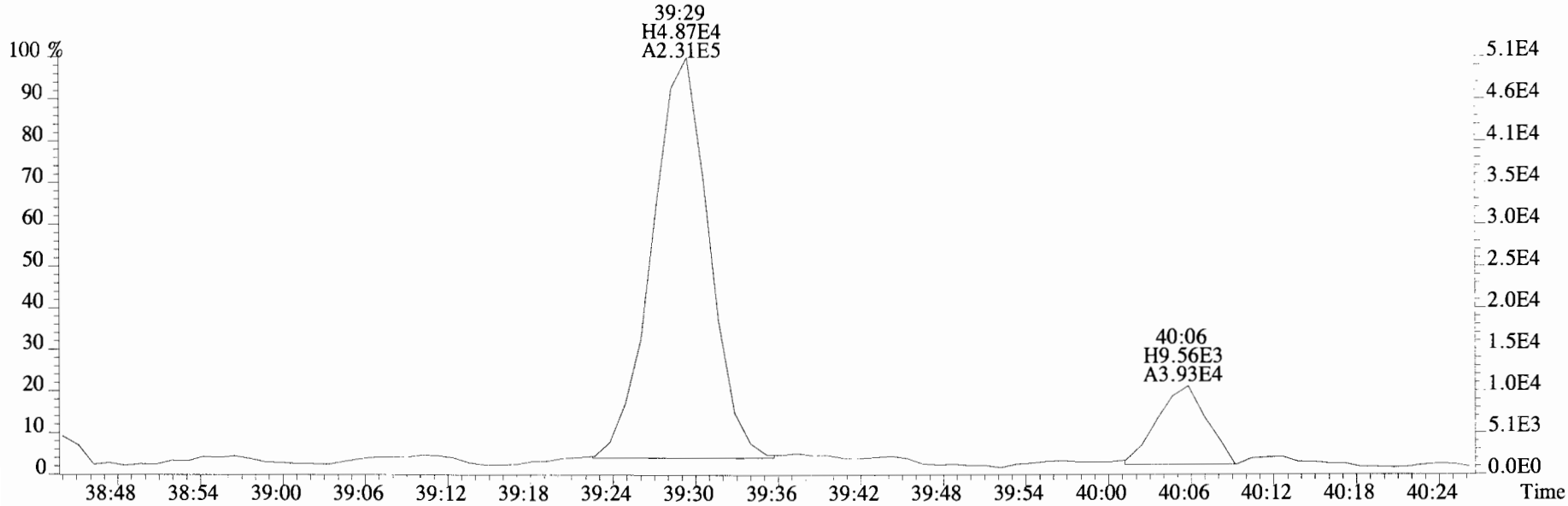

373.8788 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2132.0,0.00%,F,F)



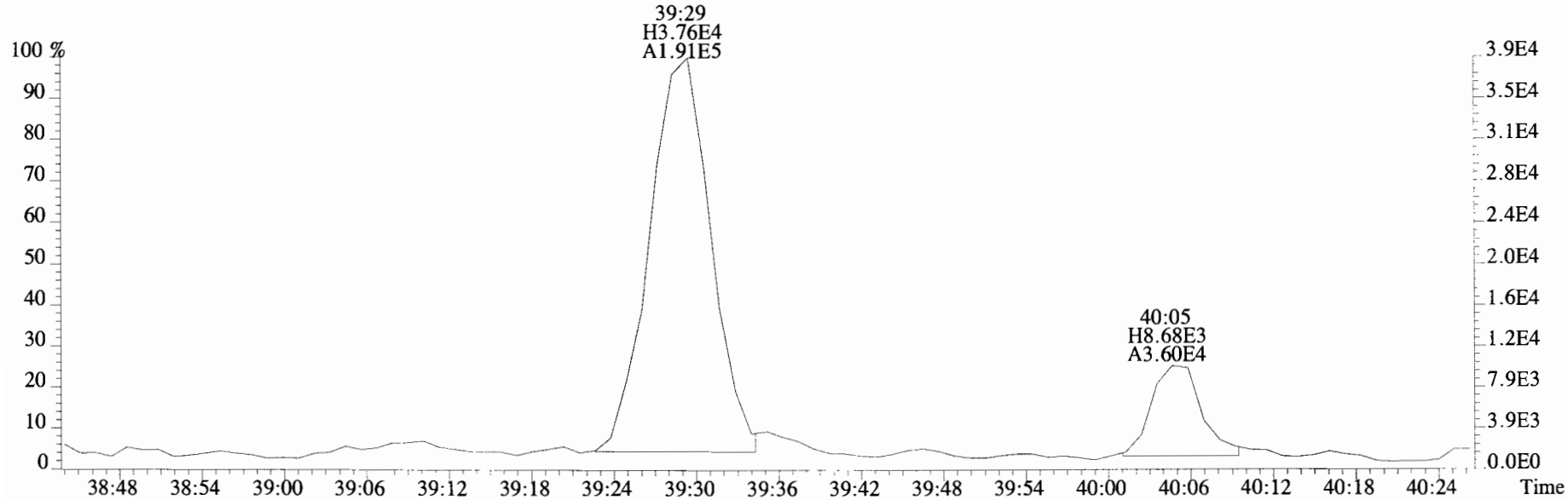

330.9792 S:11 F:3



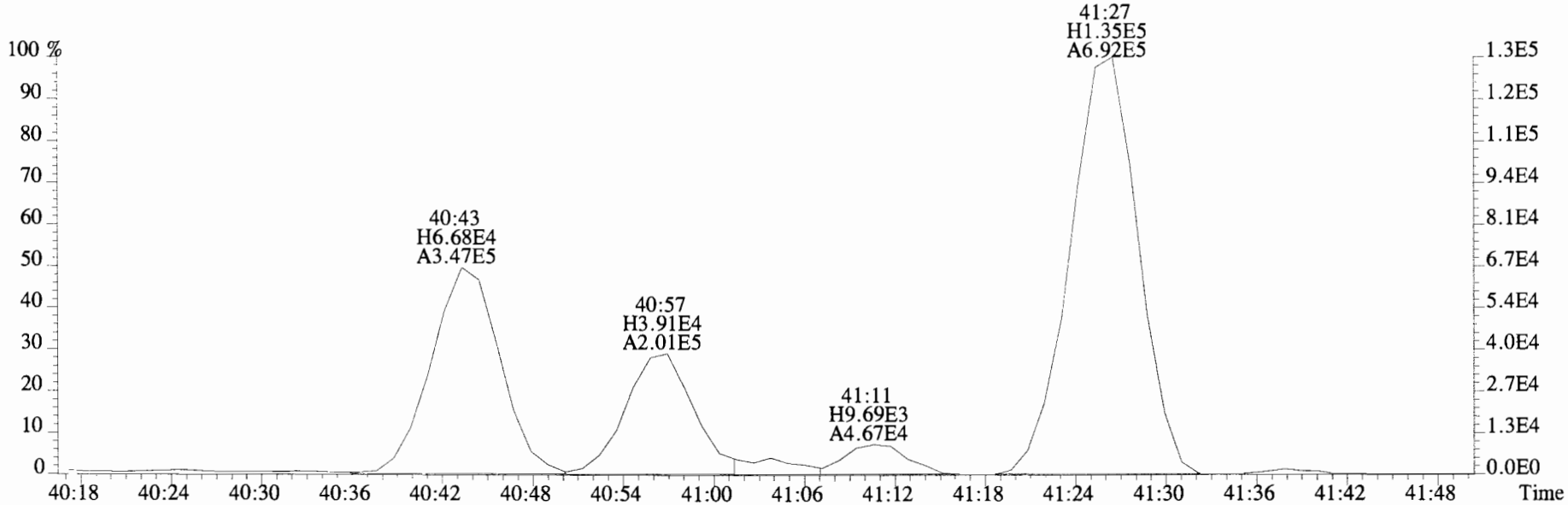
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1980.0,0.00%,F,F)



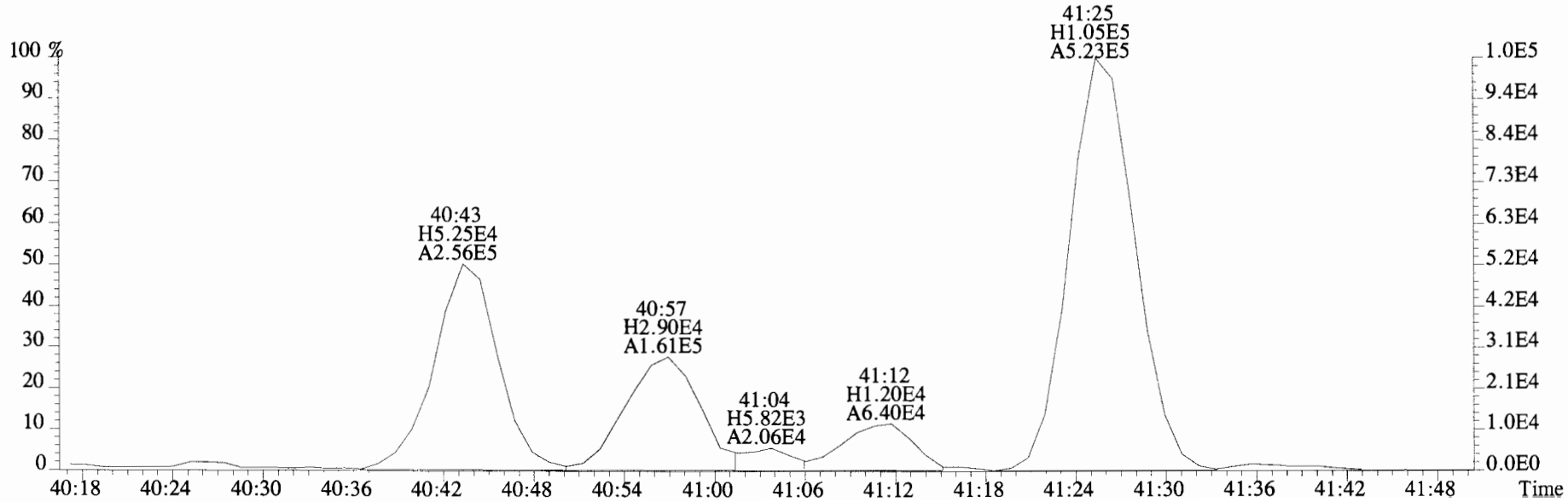

361.8385 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



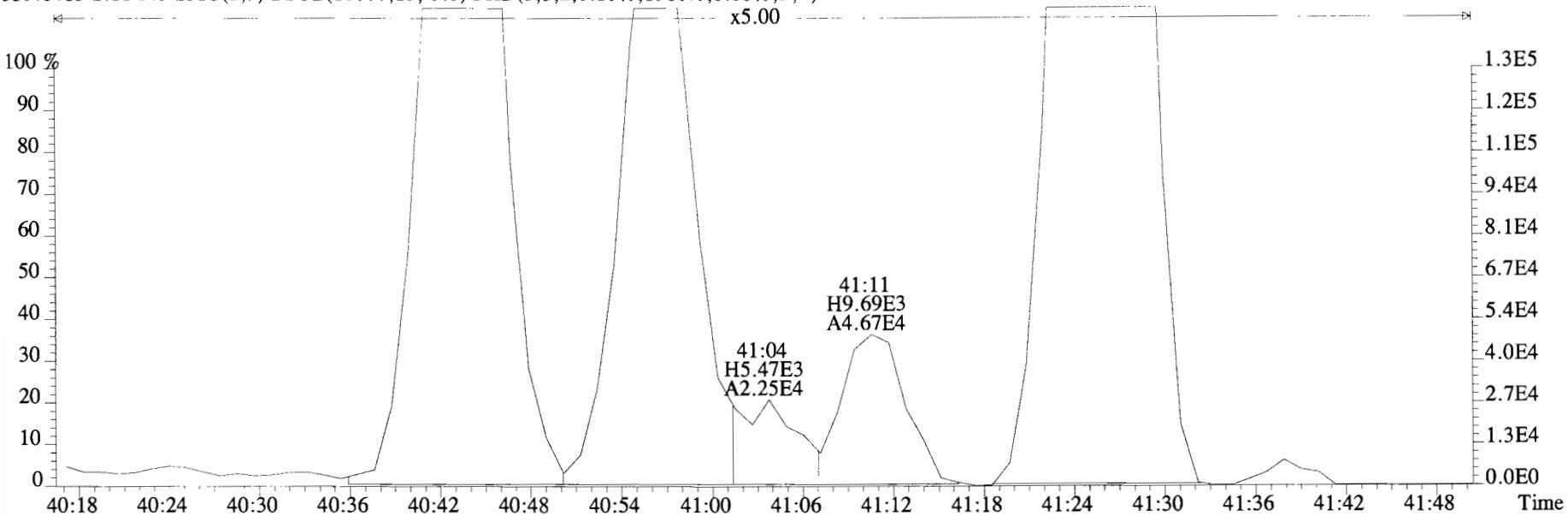
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1980.0,0.00%,F,F)



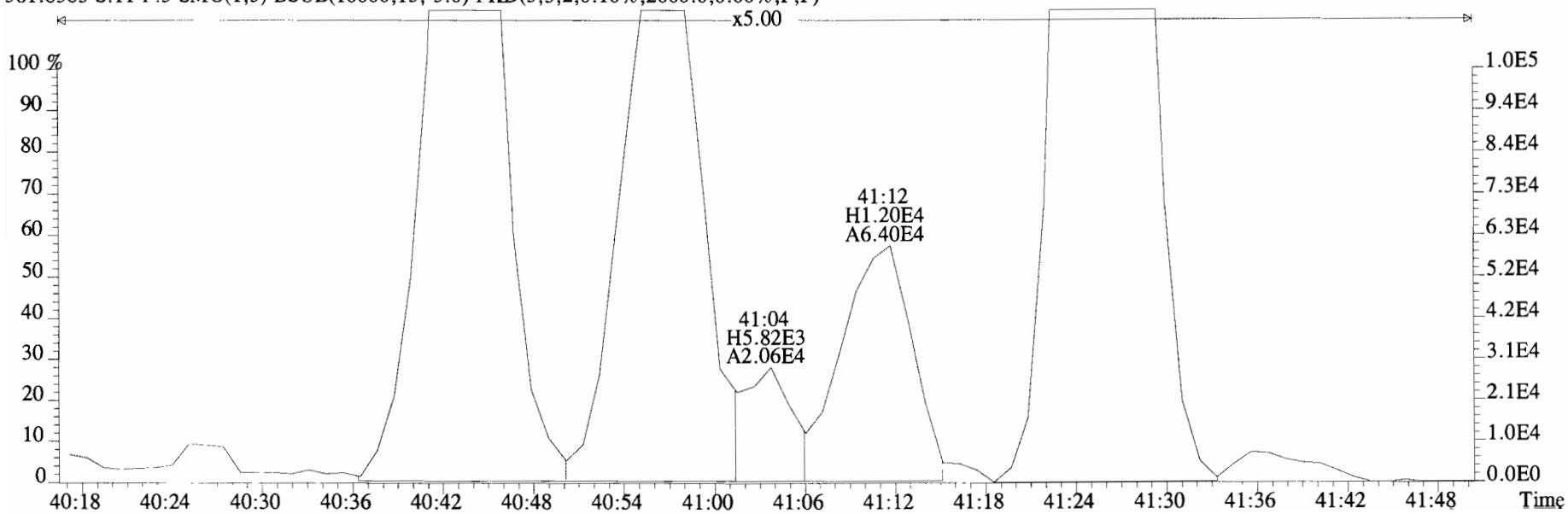

361.8385 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



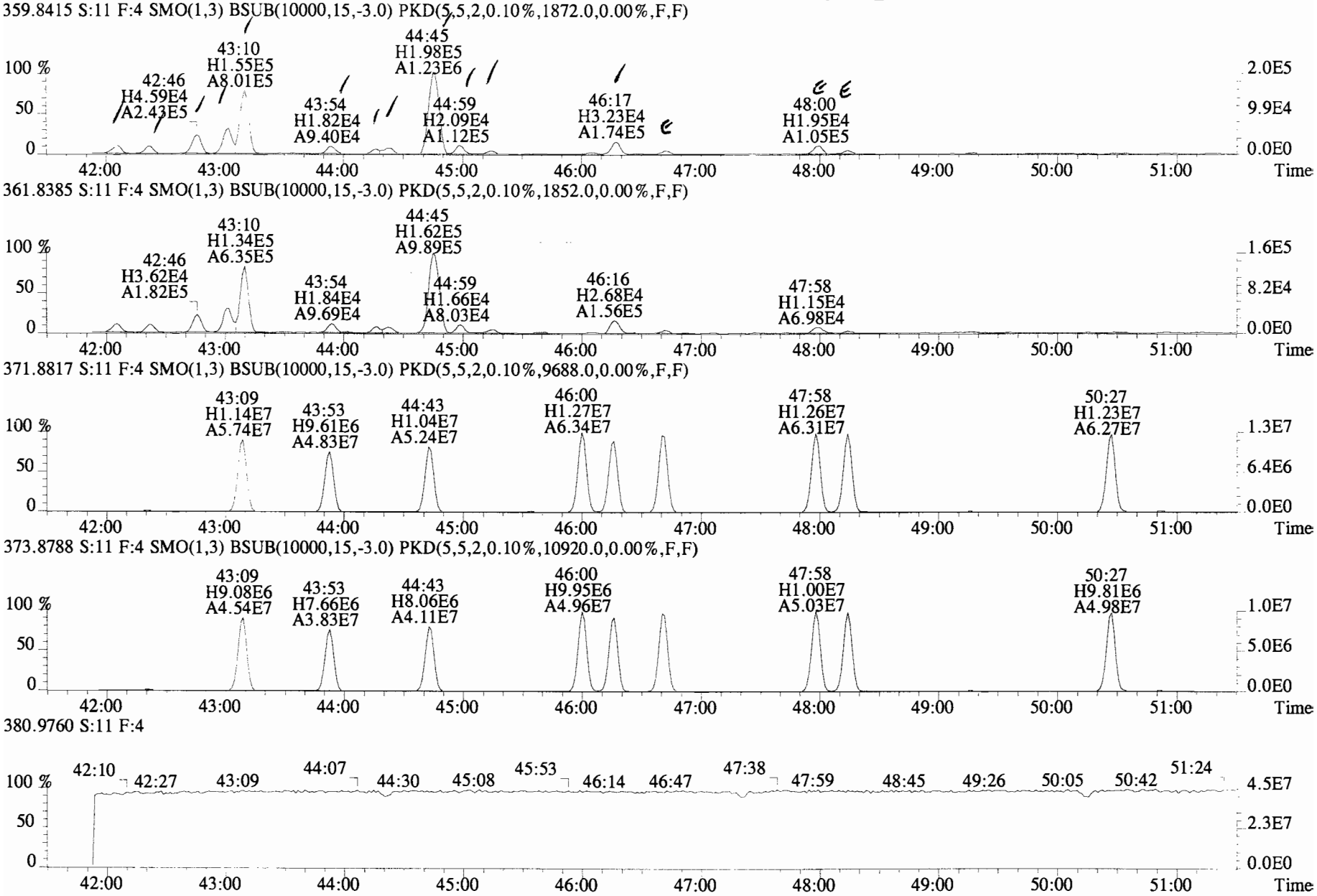
File:180409E1 #1-756 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1980.0,0.00%,F,F)



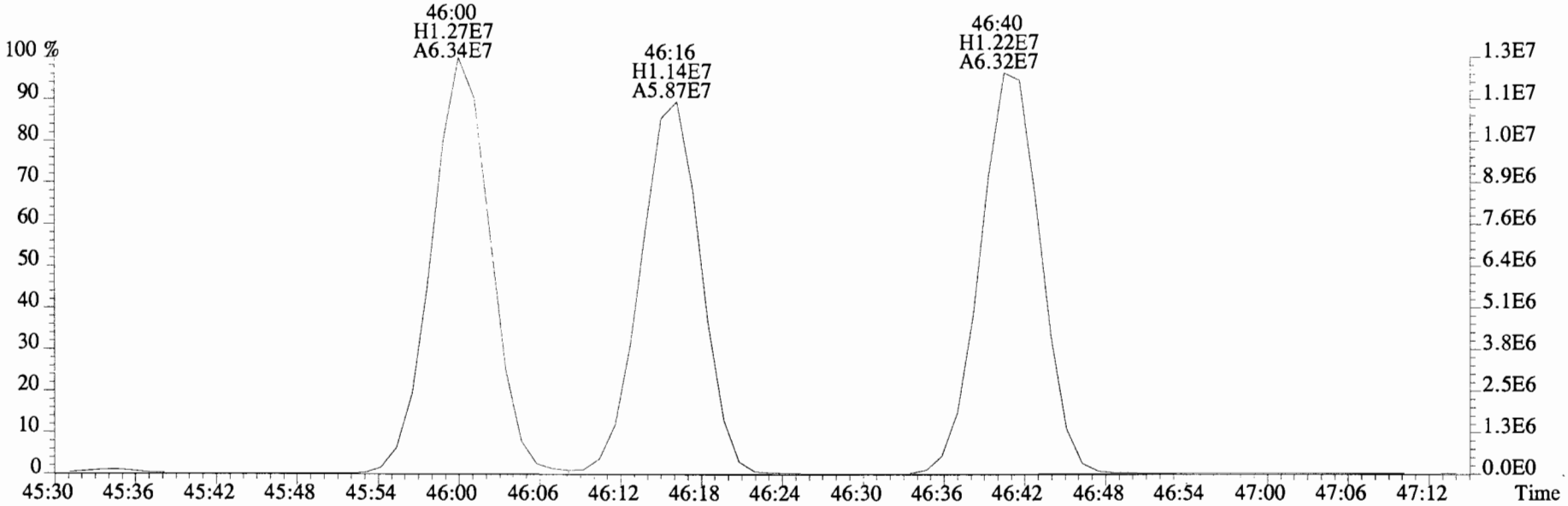

361.8385 S:11 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



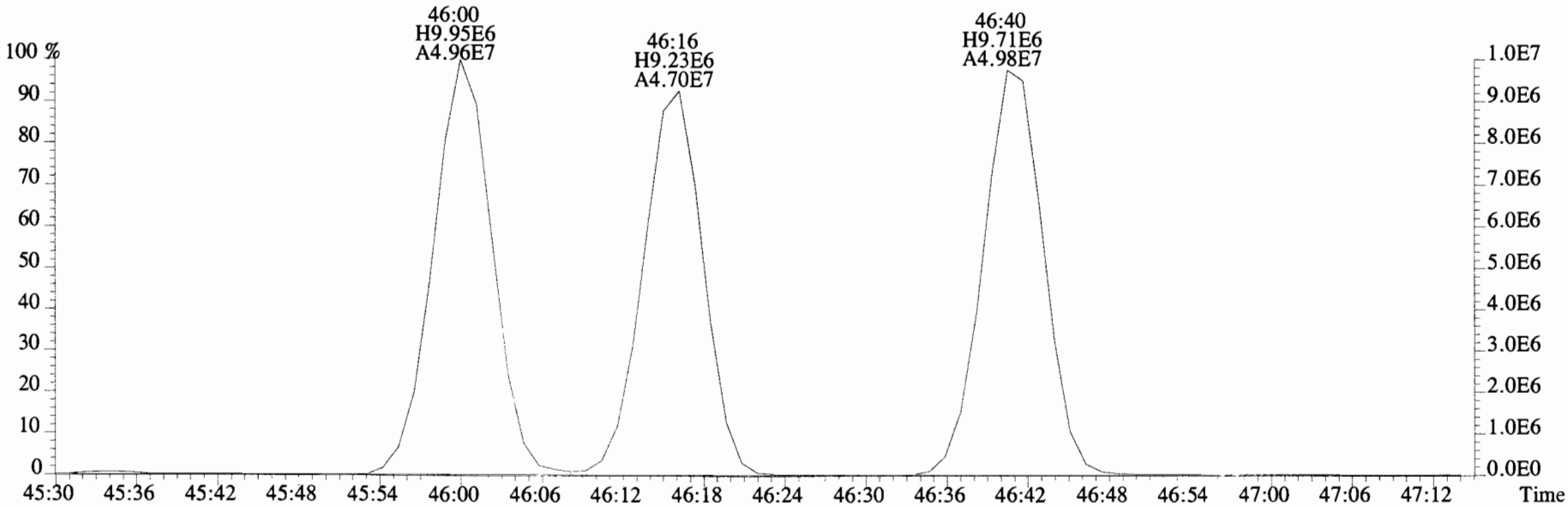
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1



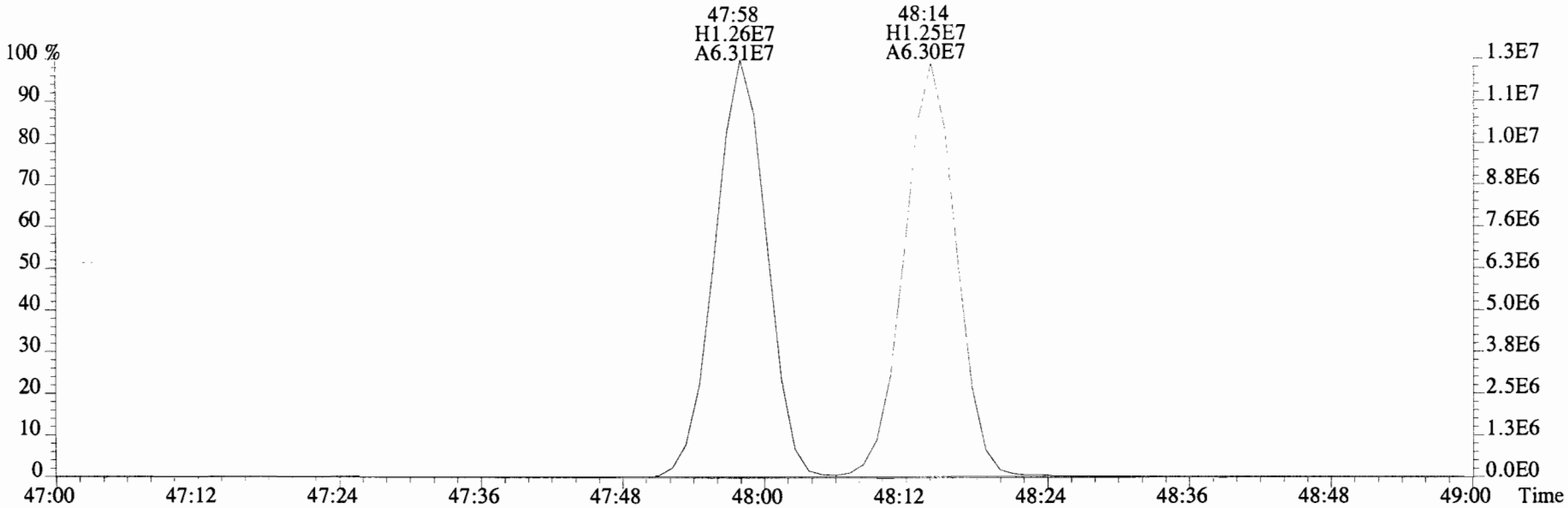
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
371.8817 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9688.0,0.00%,F,F)



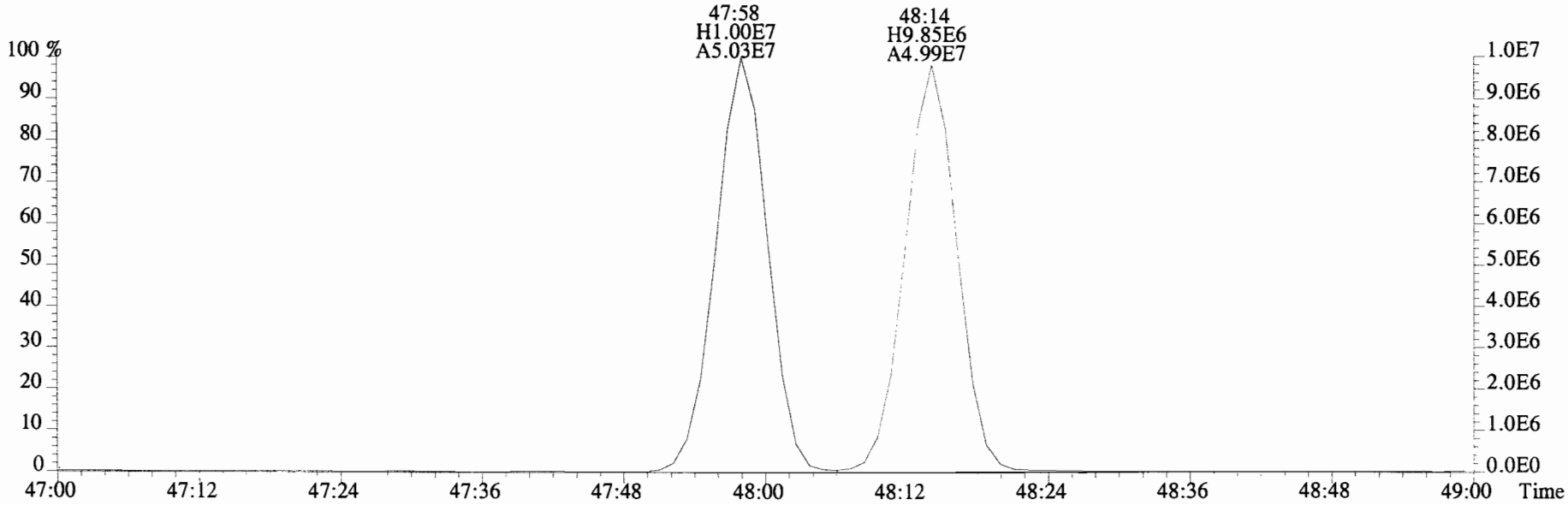

373.8788 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10920.0,0.00%,F,F)



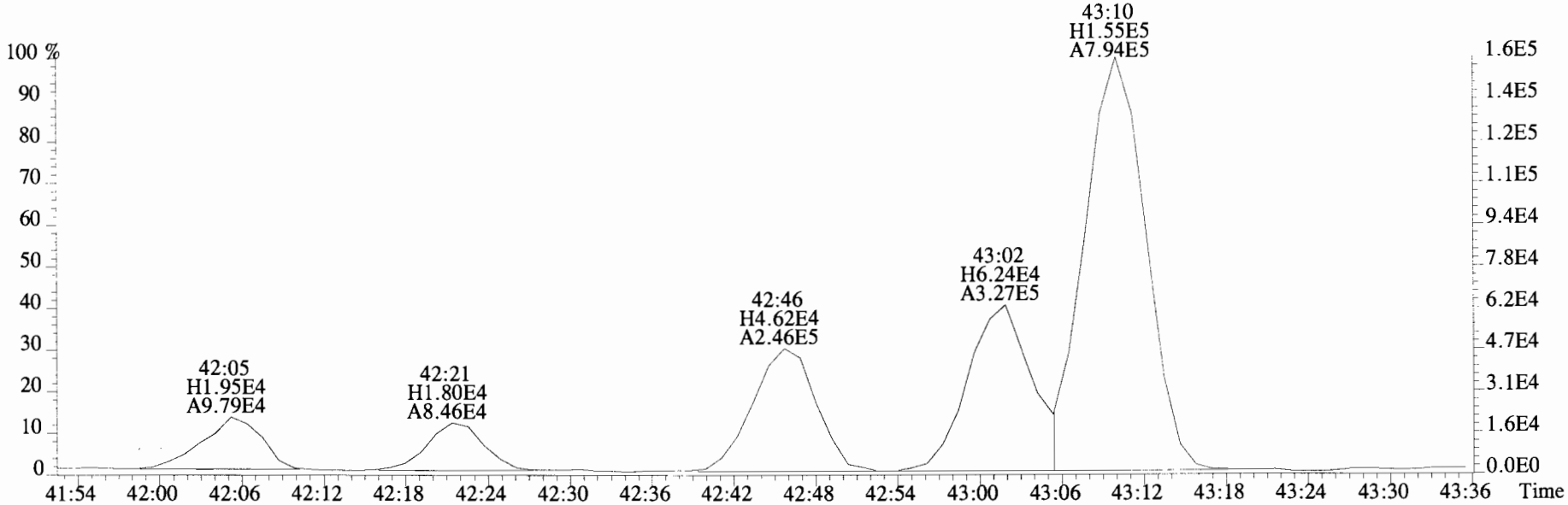
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
371.8817 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9688.0,0.00%,F,F)



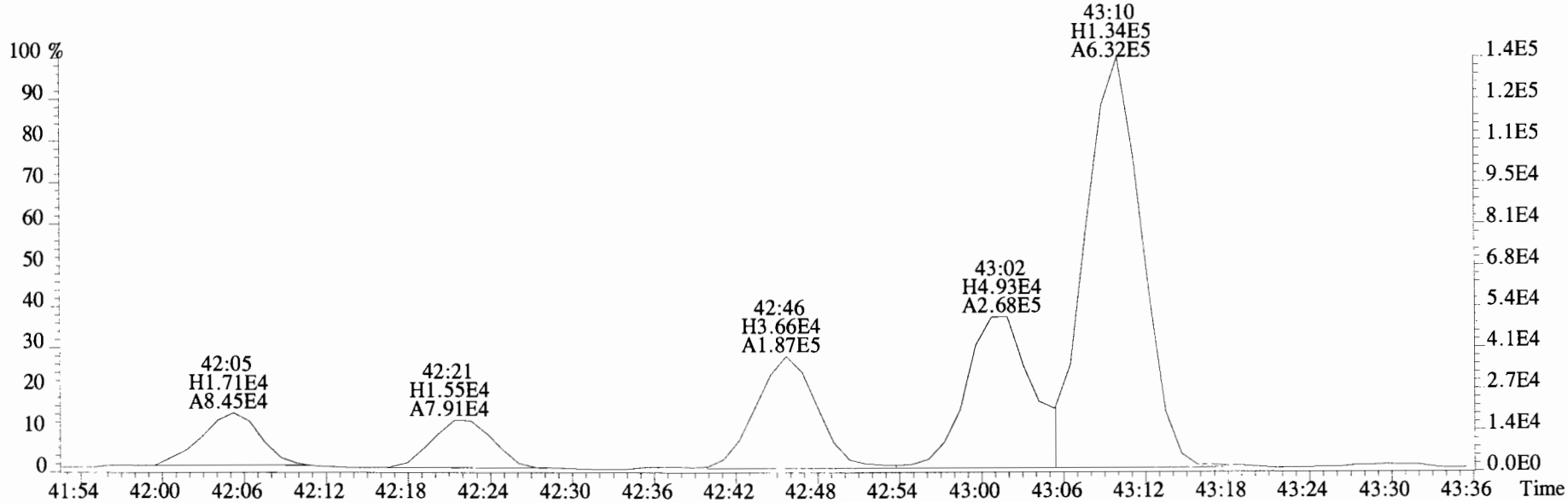

373.8788 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10920.0,0.00%,F,F)



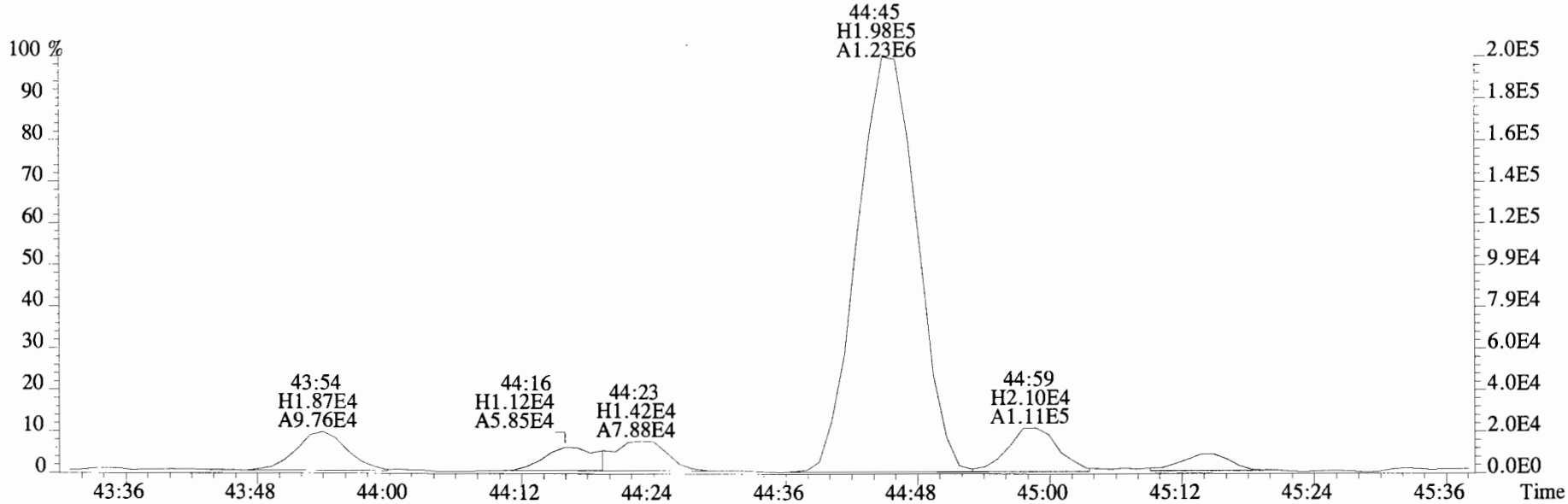
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1872.0,0.00%,F,F)



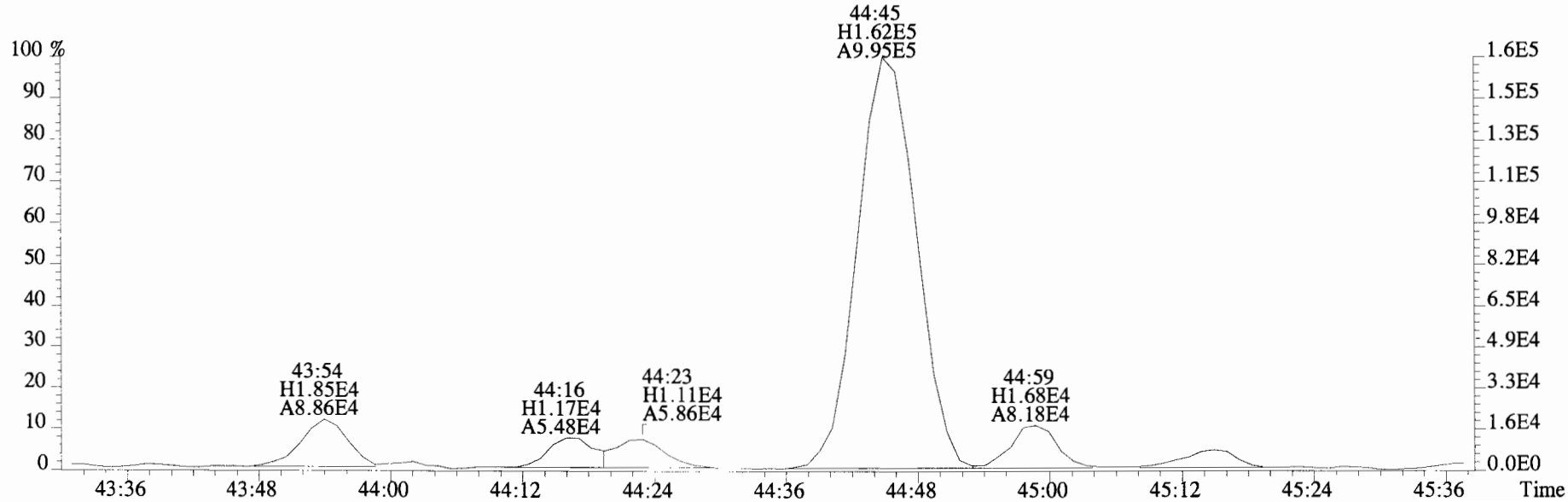

361.8385 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1852.0,0.00%,F,F)



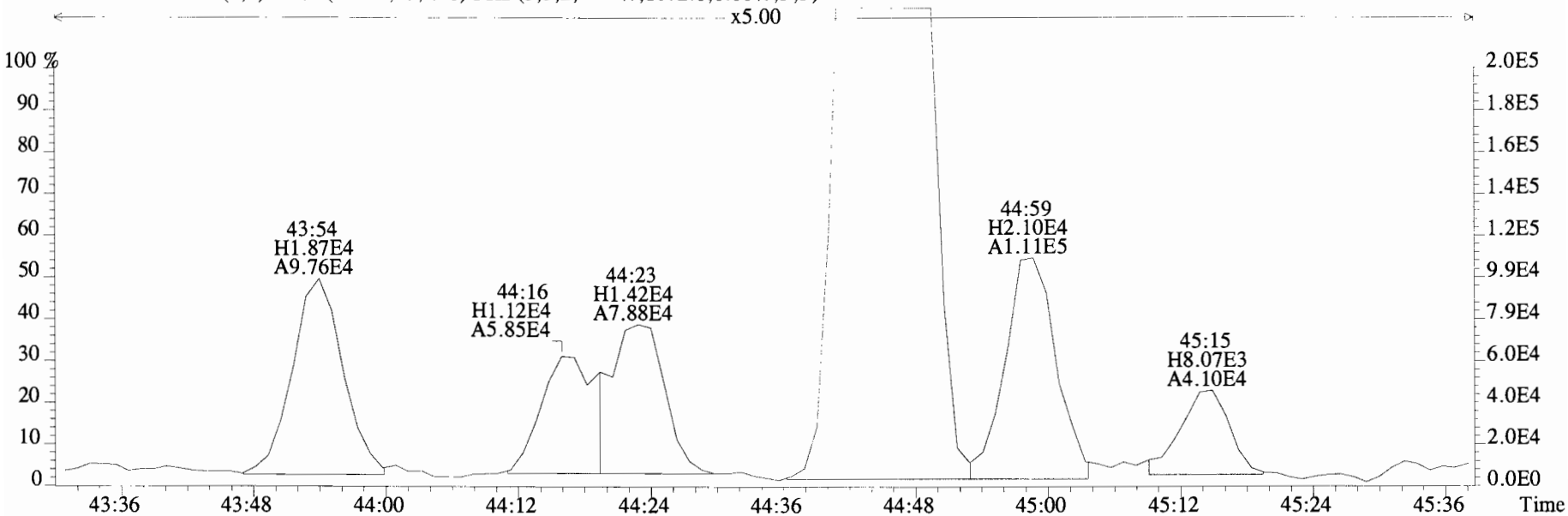
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1872.0,0.00%,F,F)



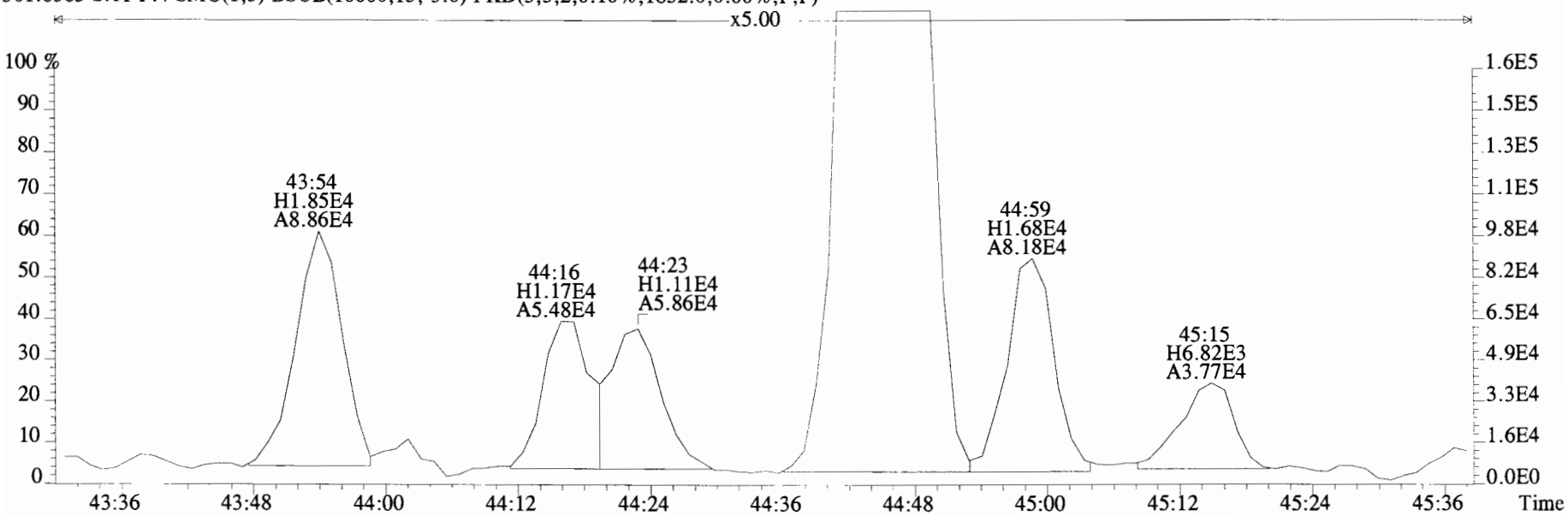

361.8385 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1852.0,0.00%,F,F)



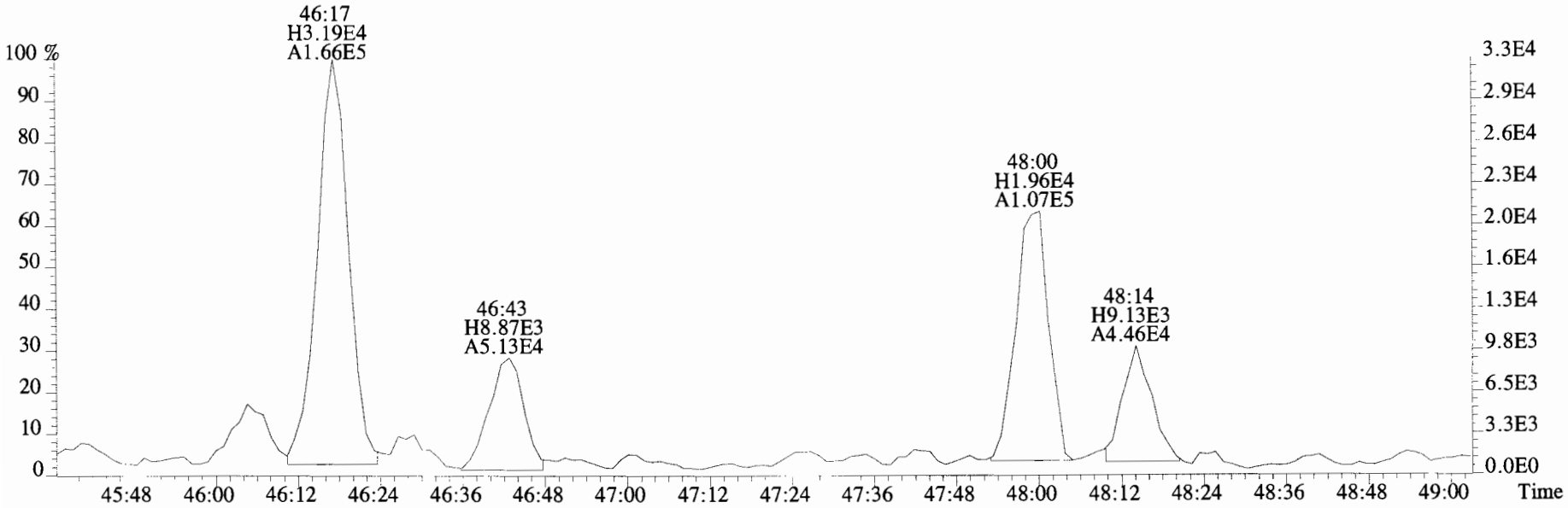
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1872.0,0.00%,F,F)



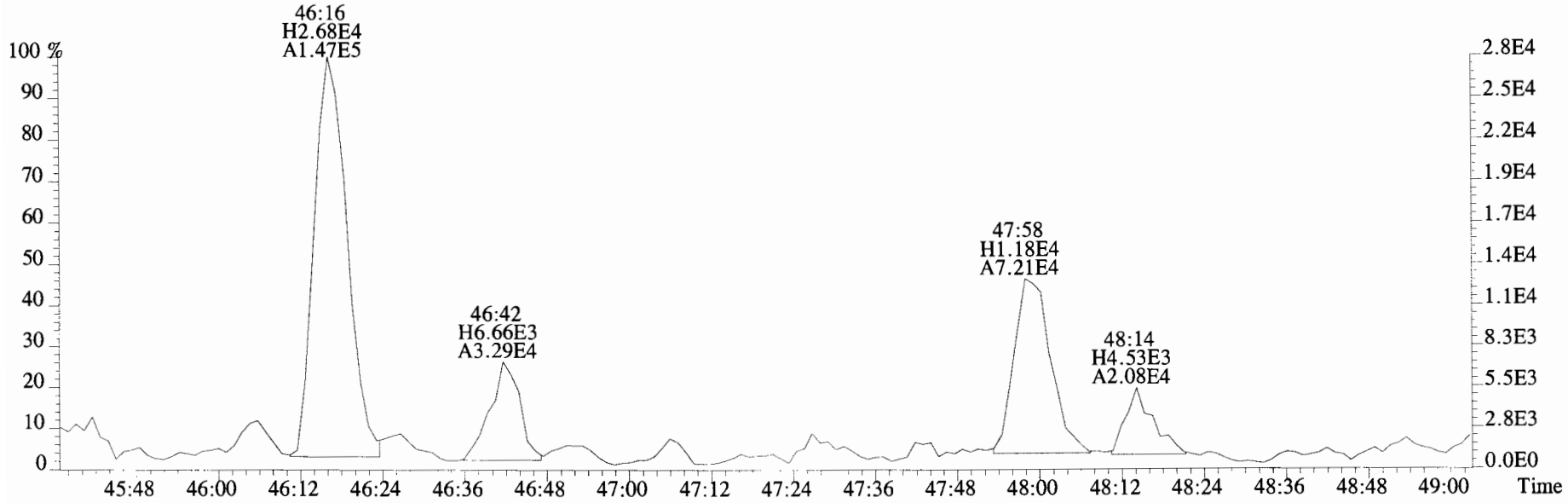

361.8385 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1852.0,0.00%,F,F)



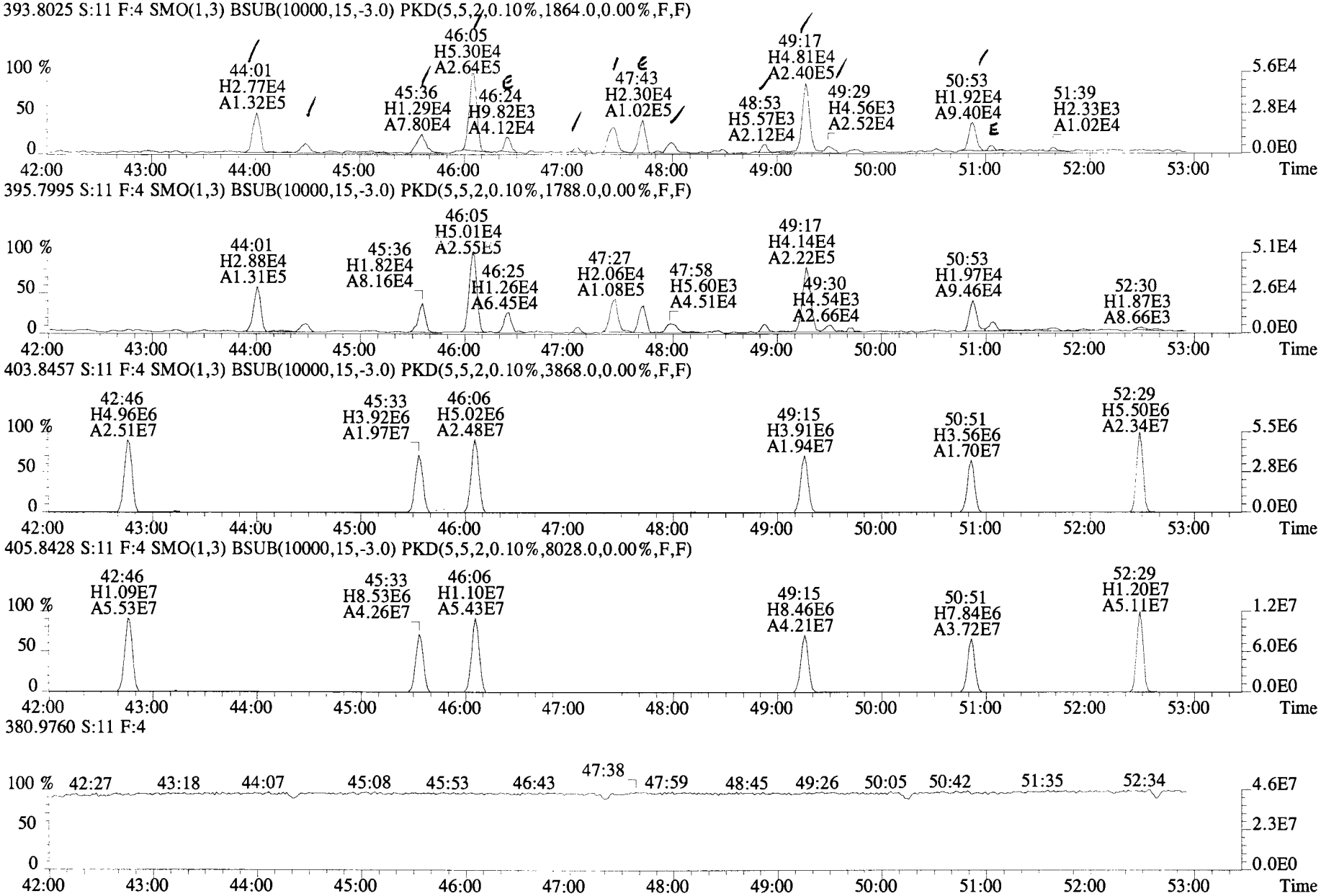
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
359.8415 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1872.0,0.00%,F,F)



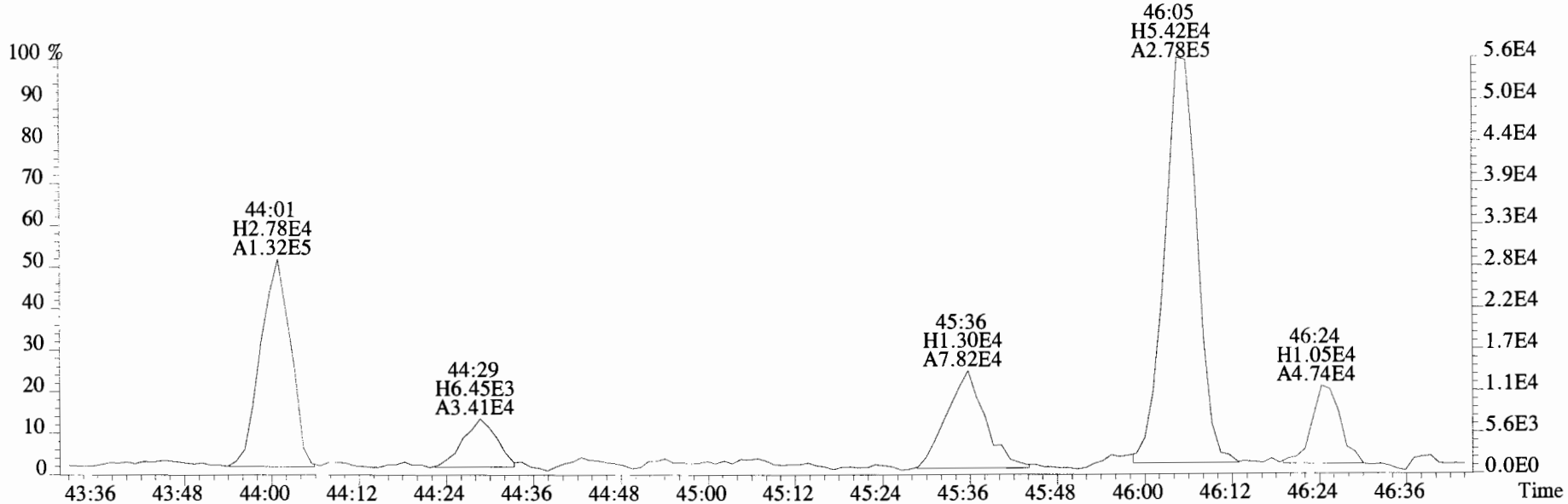

361.8385 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1852.0,0.00%,F,F)



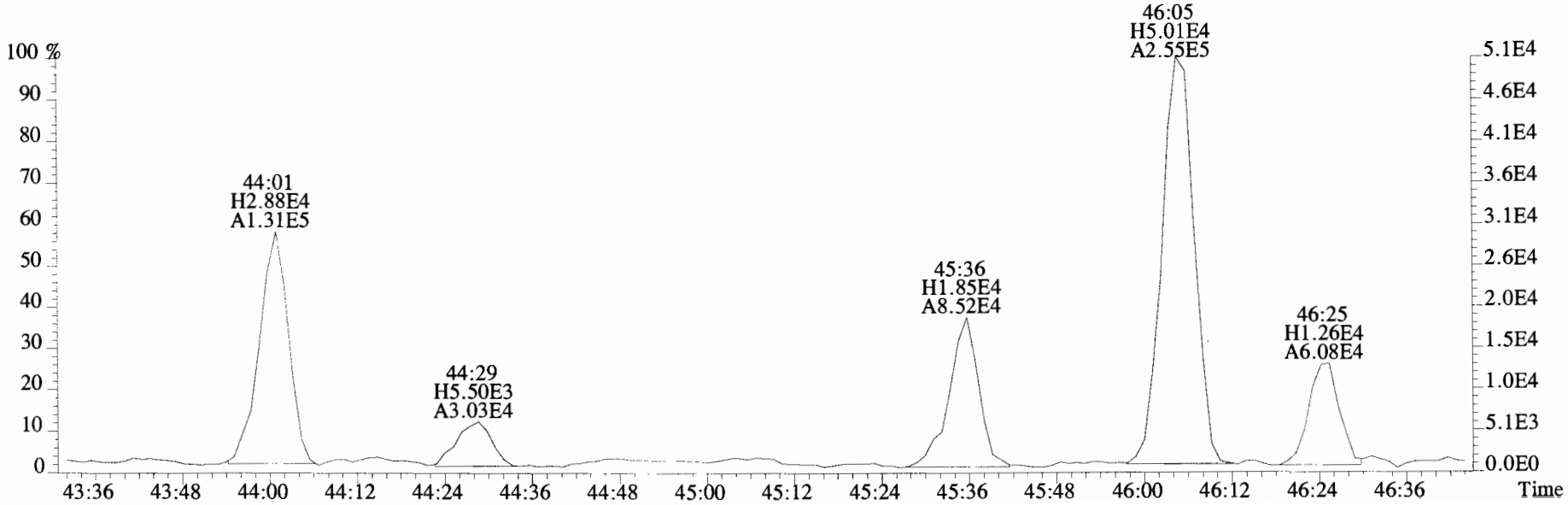
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1



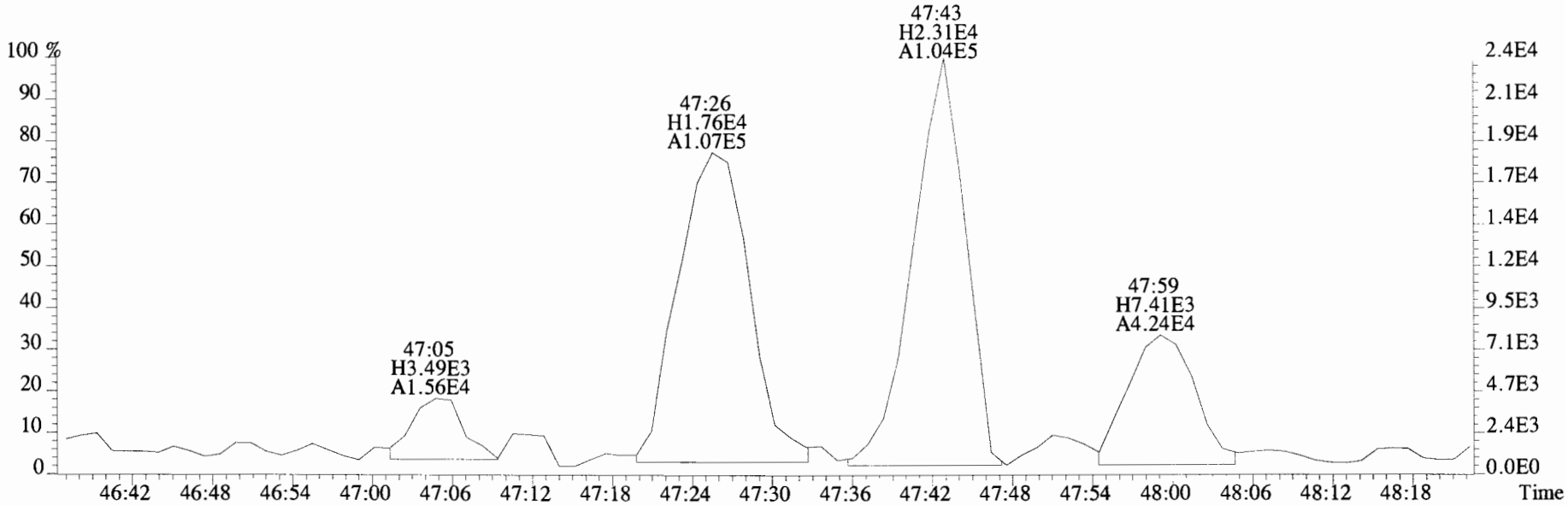
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
393.8025 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1864.0,0.00%,F,F)



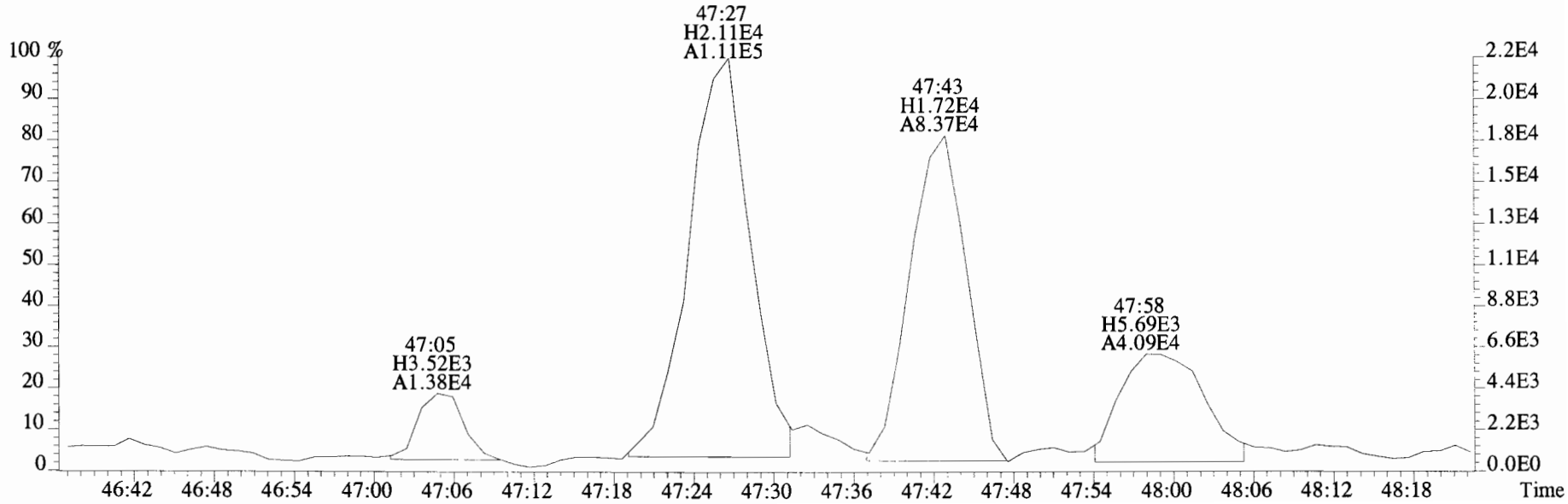

395.7995 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1788.0,0.00%,F,F)



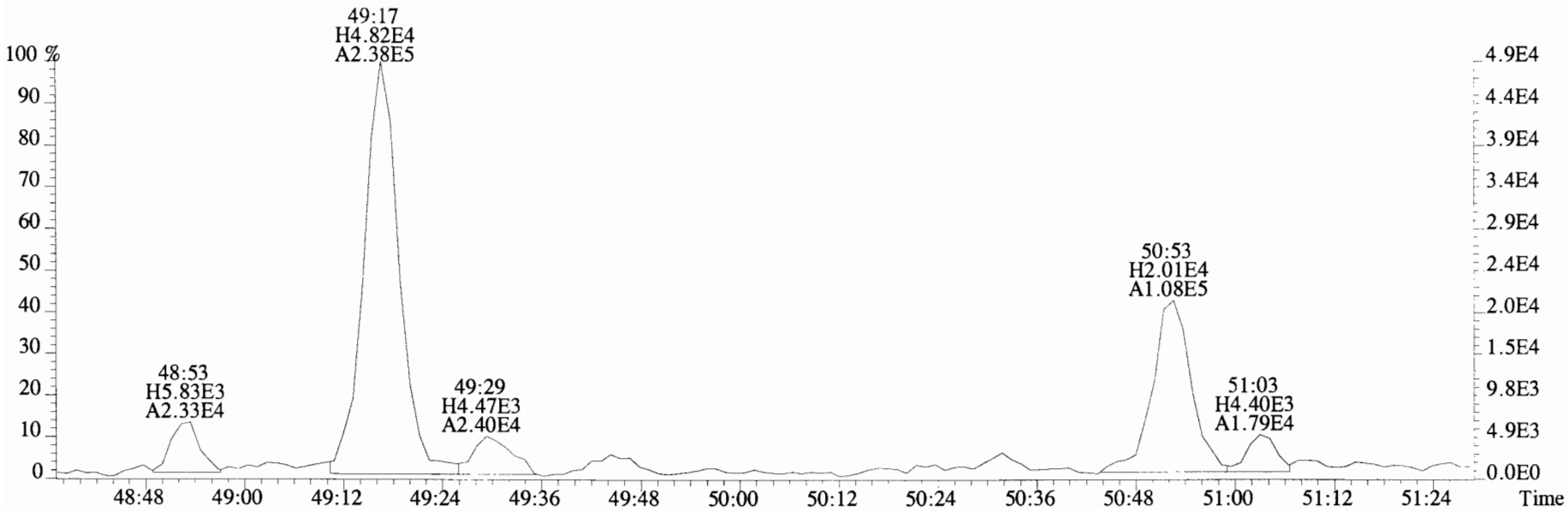
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
393.8025 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1864.0,0.00%,F,F)



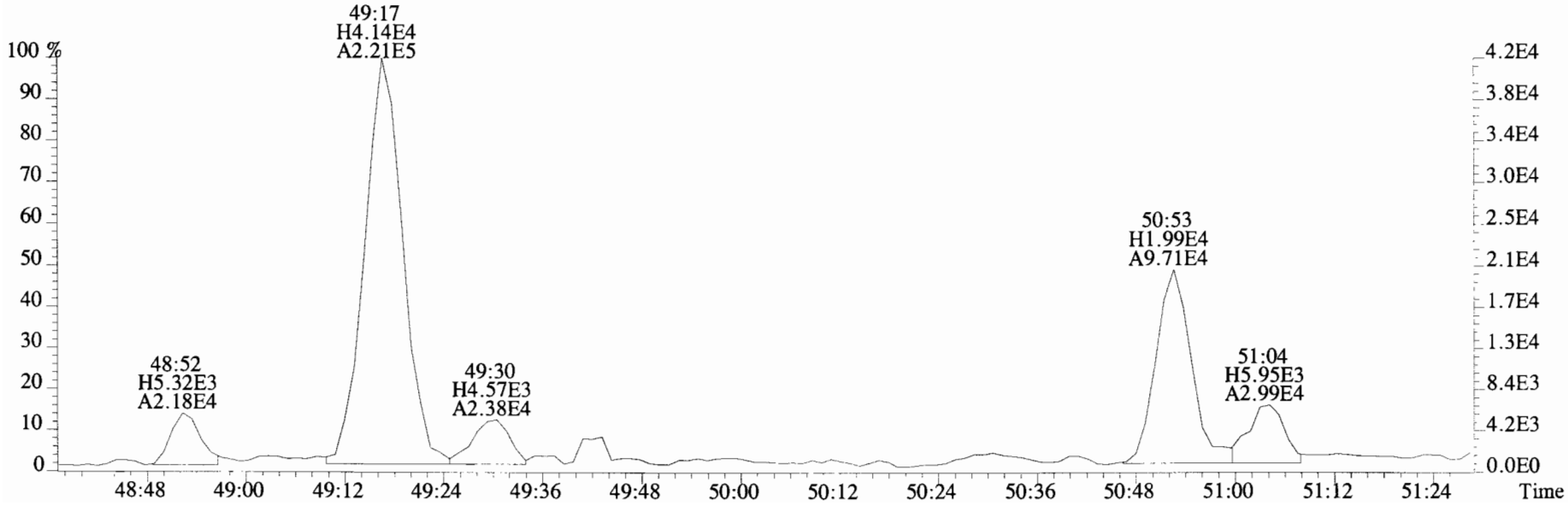

395.7995 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1788.0,0.00%,F,F)



File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
393.8025 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1864.0,0.00%,F,F)

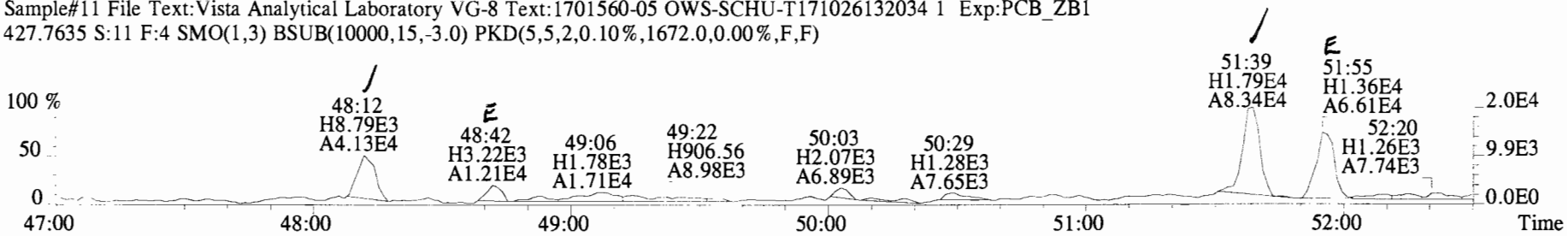



395.7995 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1788.0,0.00%,F,F)

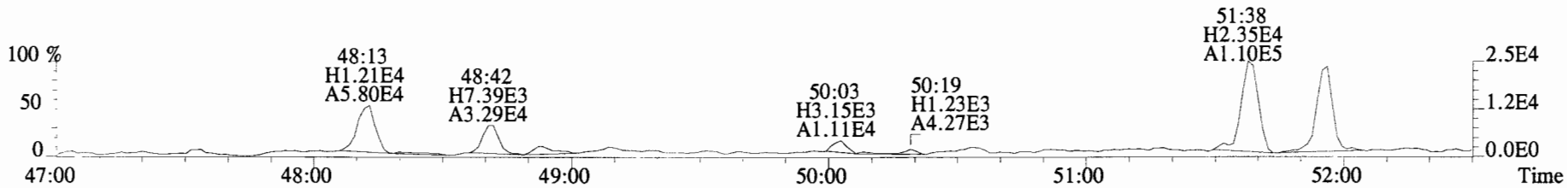


File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1

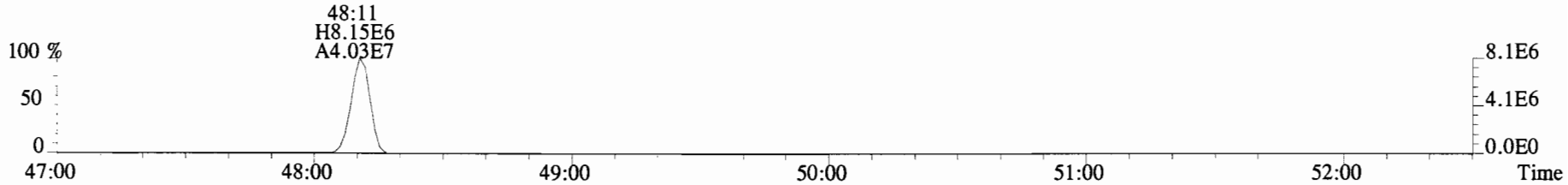
427.7635 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1672.0,0.00%,F,F)



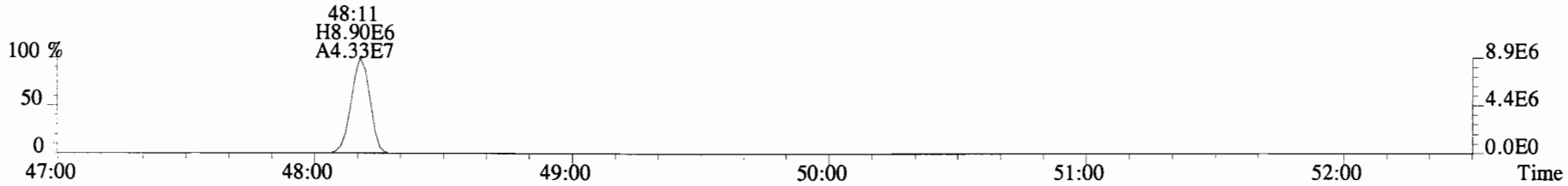

429.7606 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1776.0,0.00%,F,F)



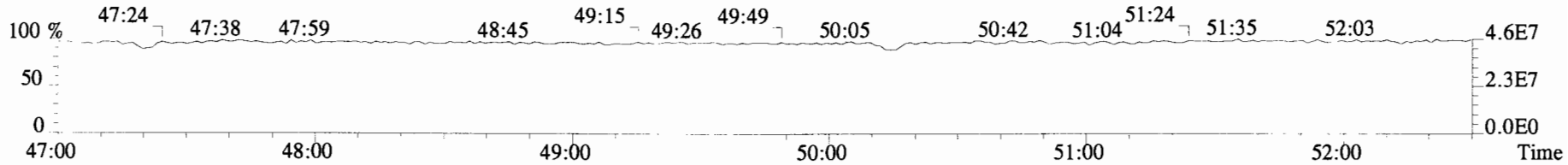

439.8038 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2028.0,0.00%,F,F)



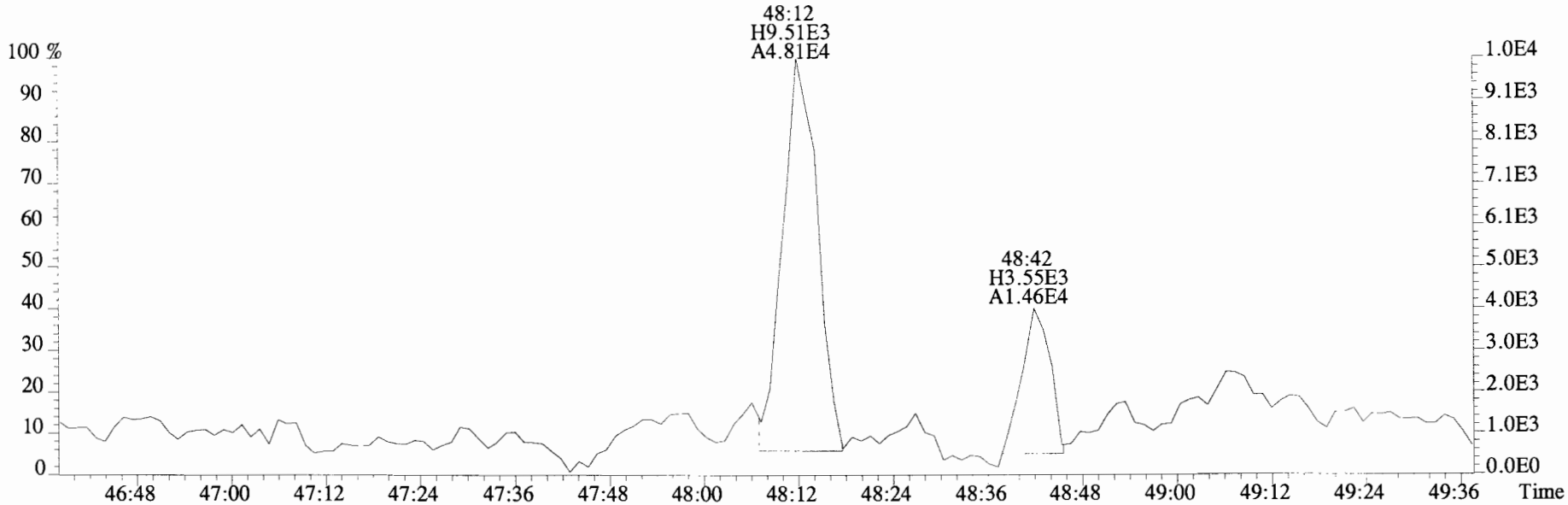

441.8008 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1560.0,0.00%,F,F)



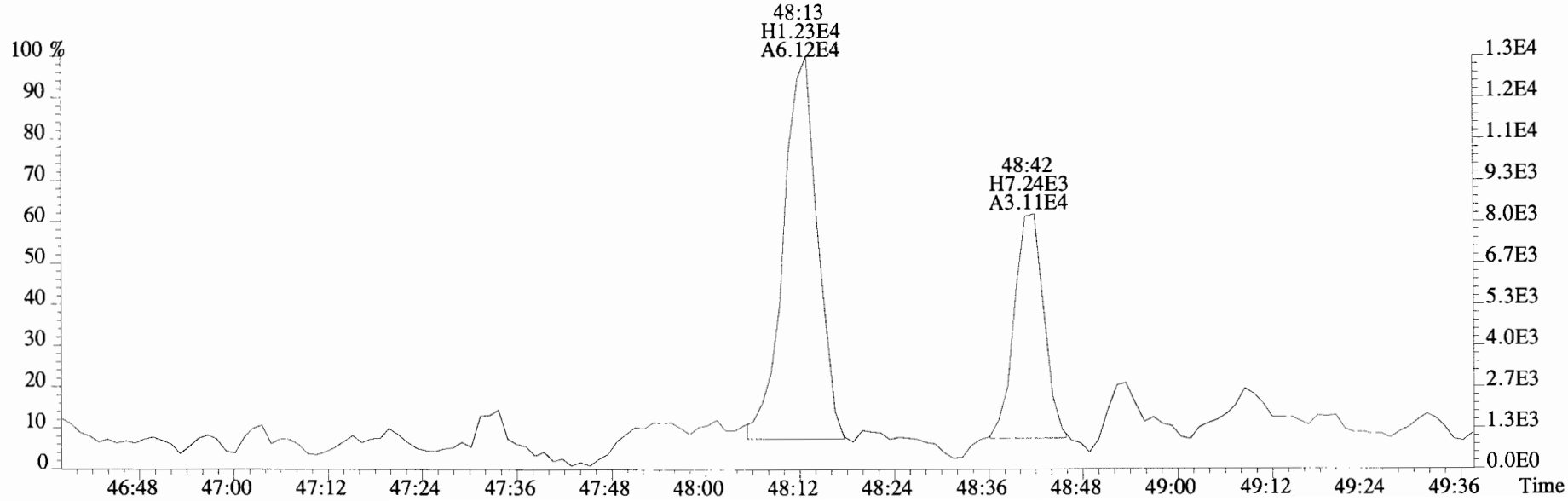

380.9760 S:11 F:4



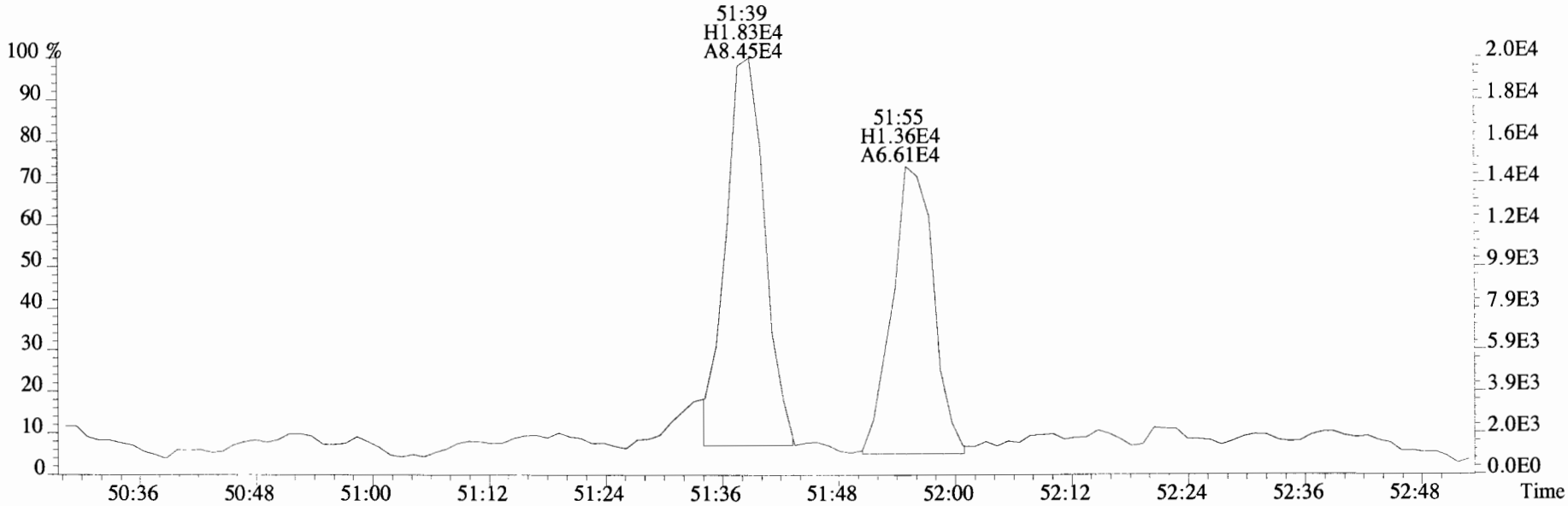
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
427.7635 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1672.0,0.00%,F,F)



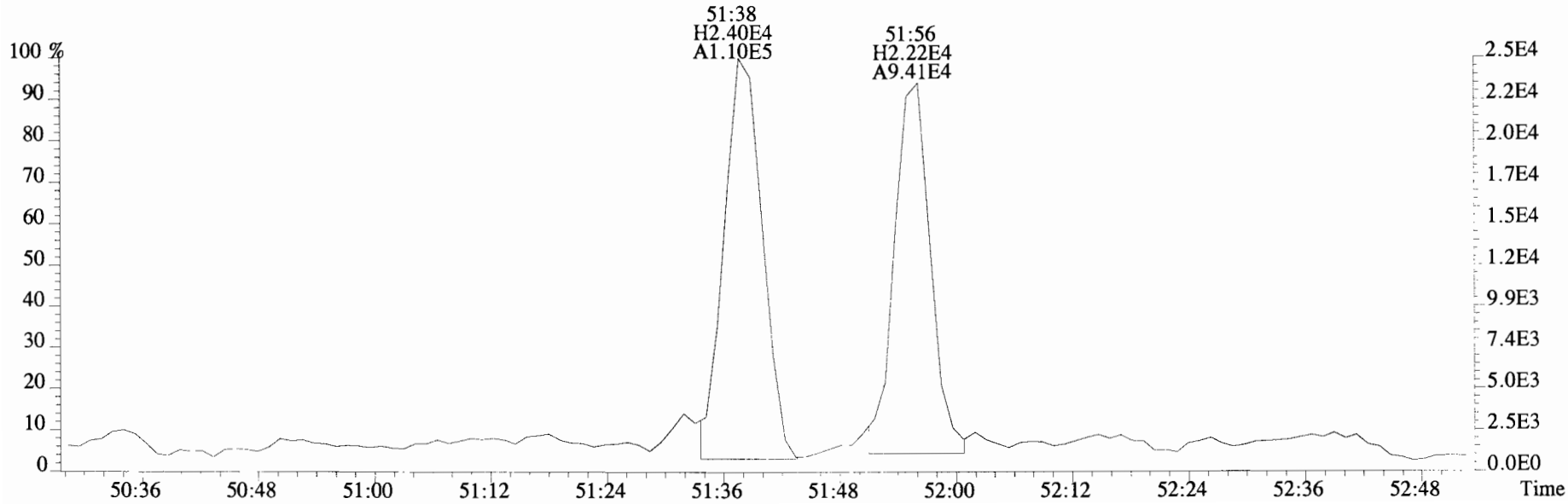

429.7606 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1776.0,0.00%,F,F)



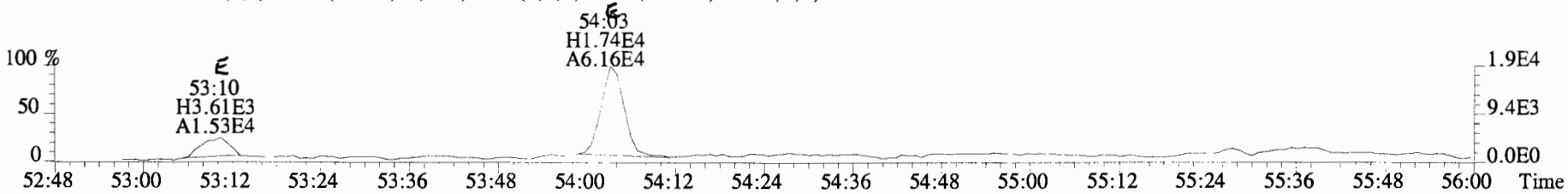
File:180409E1 #1-574 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
427.7635 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1672.0,0.00%,F,F)



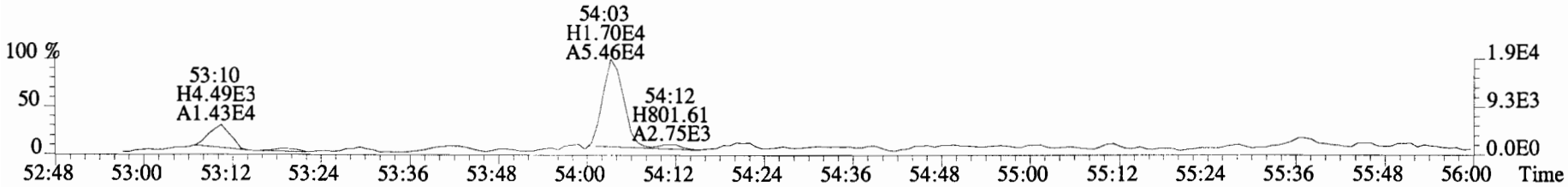

429.7606 S:11 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1776.0,0.00%,F,F)



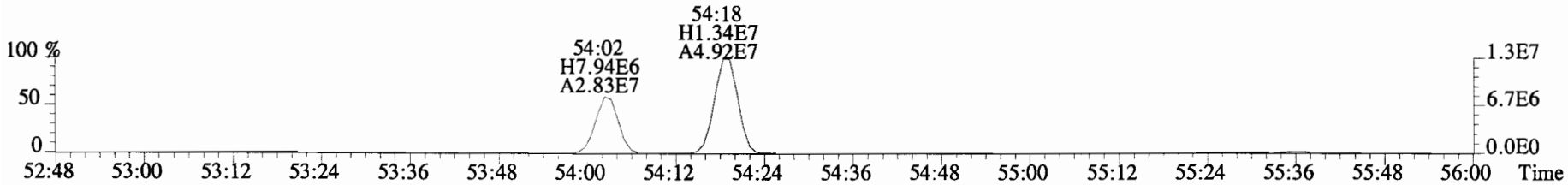
File:180409E1 #1-407 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
427.7635 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1560.0,0.00%,F,F)



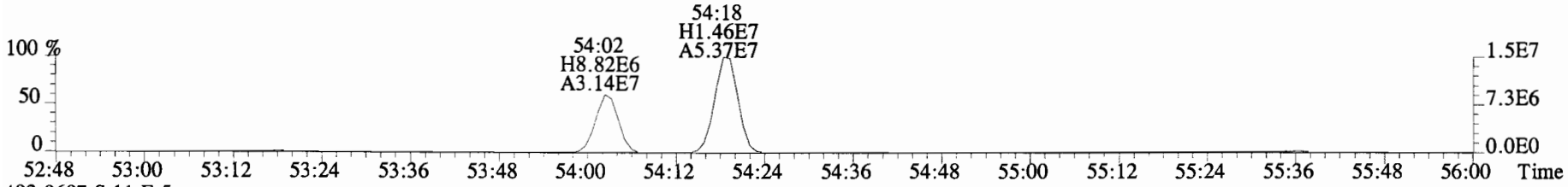

429.7606 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1632.0,0.00%,F,F)



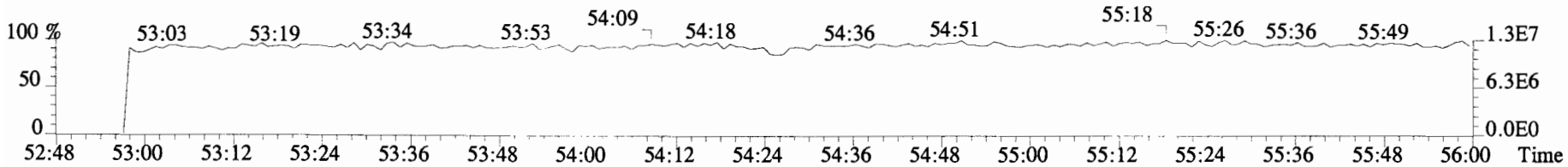

439.8038 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2660.0,0.00%,F,F)



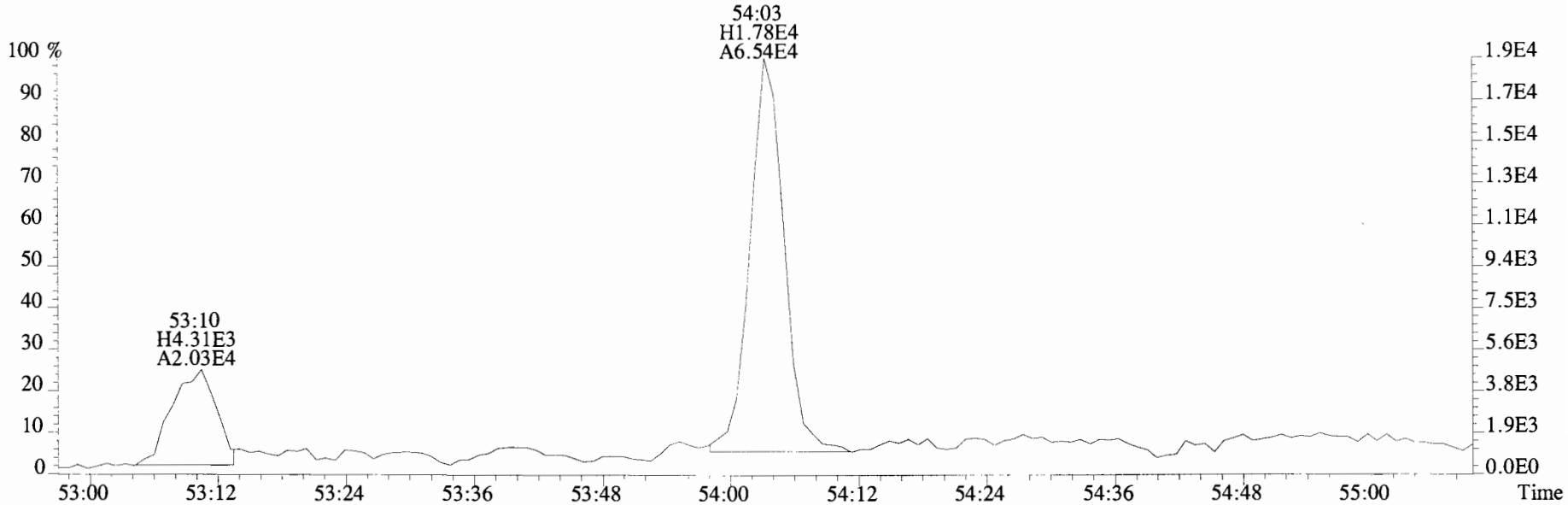

441.8008 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4460.0,0.00%,F,F)



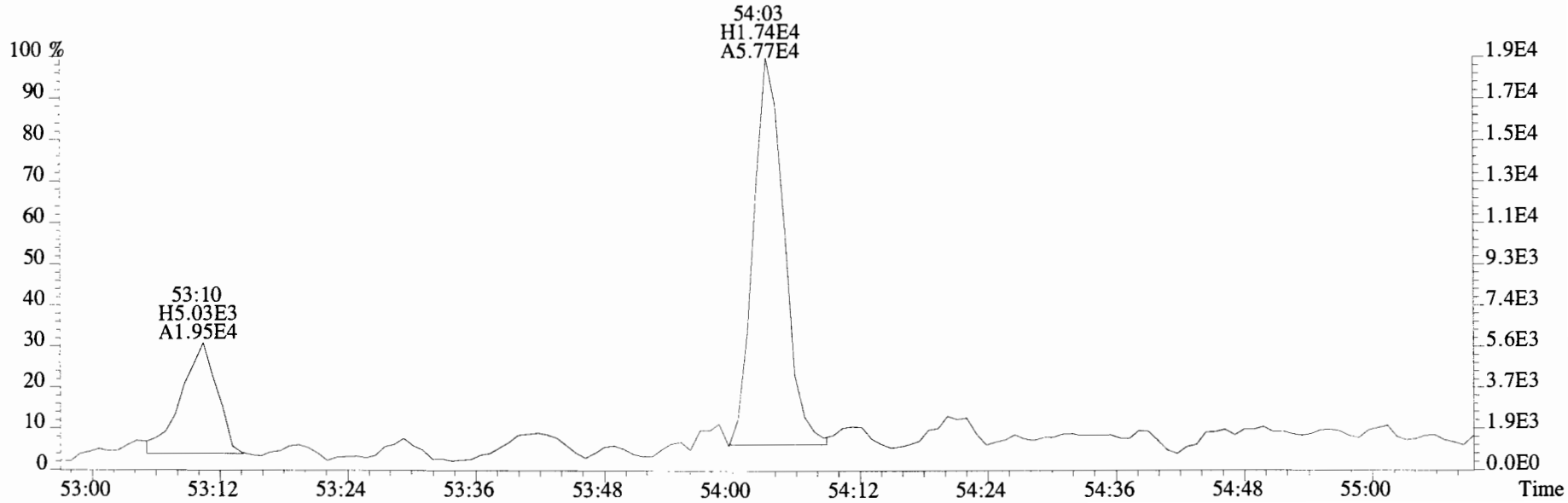

492.9697 S:11 F:5



File:180409E1 #1-407 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
427.7635 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1560.0,0.00%,F,F)

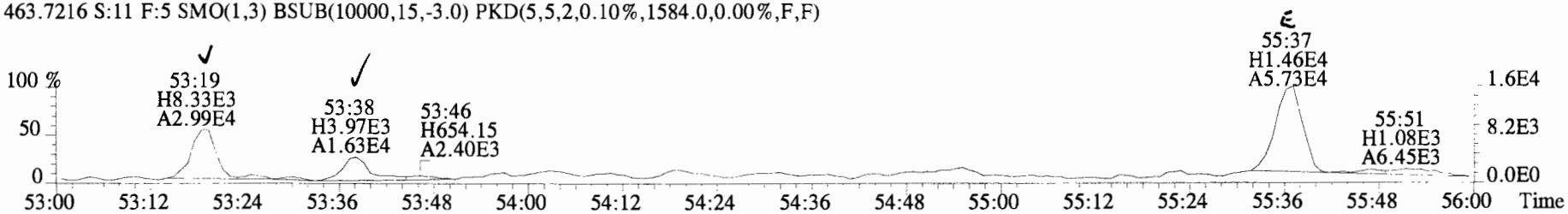



429.7606 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1632.0,0.00%,F,F)

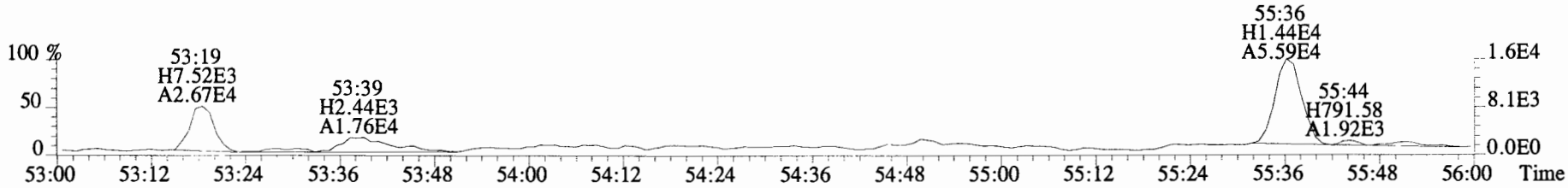


File:180409E1 #1-407 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1

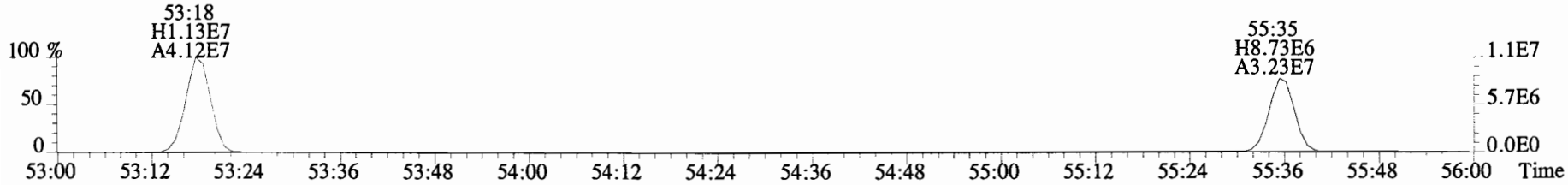
463.7216 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1584.0,0.00%,F,F)



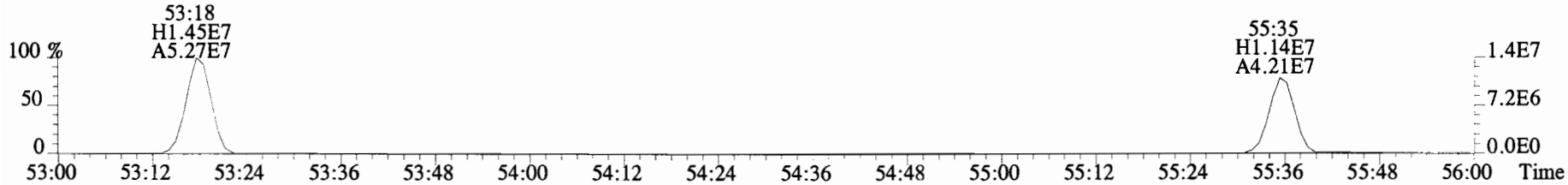

465.7186 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1660.0,0.00%,F,F)



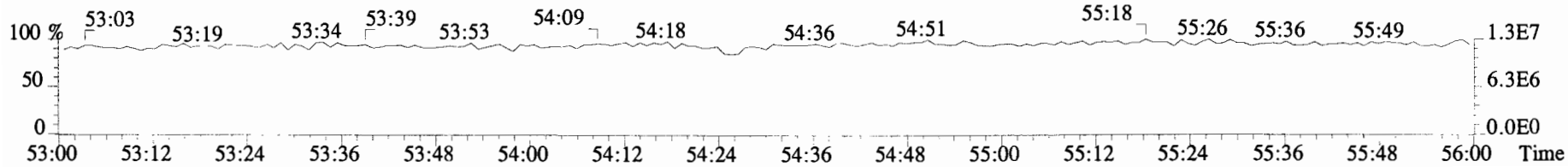

473.7648 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15376.0,0.00%,F,F)



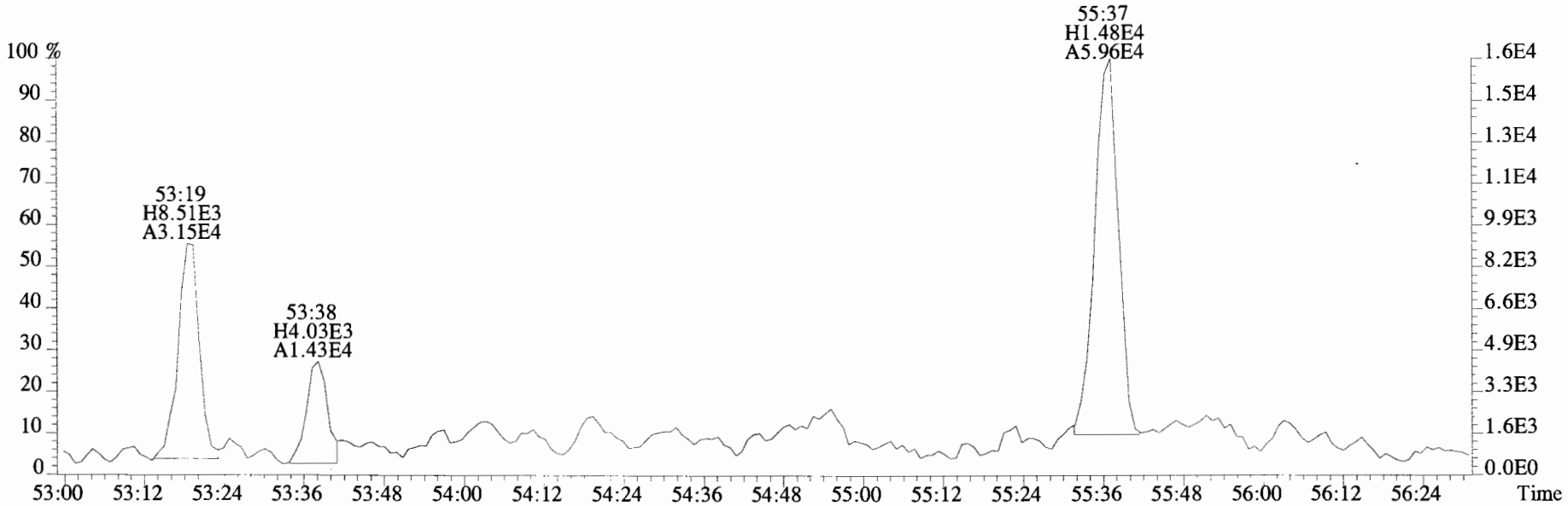

475.7619 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20804.0,0.00%,F,F)



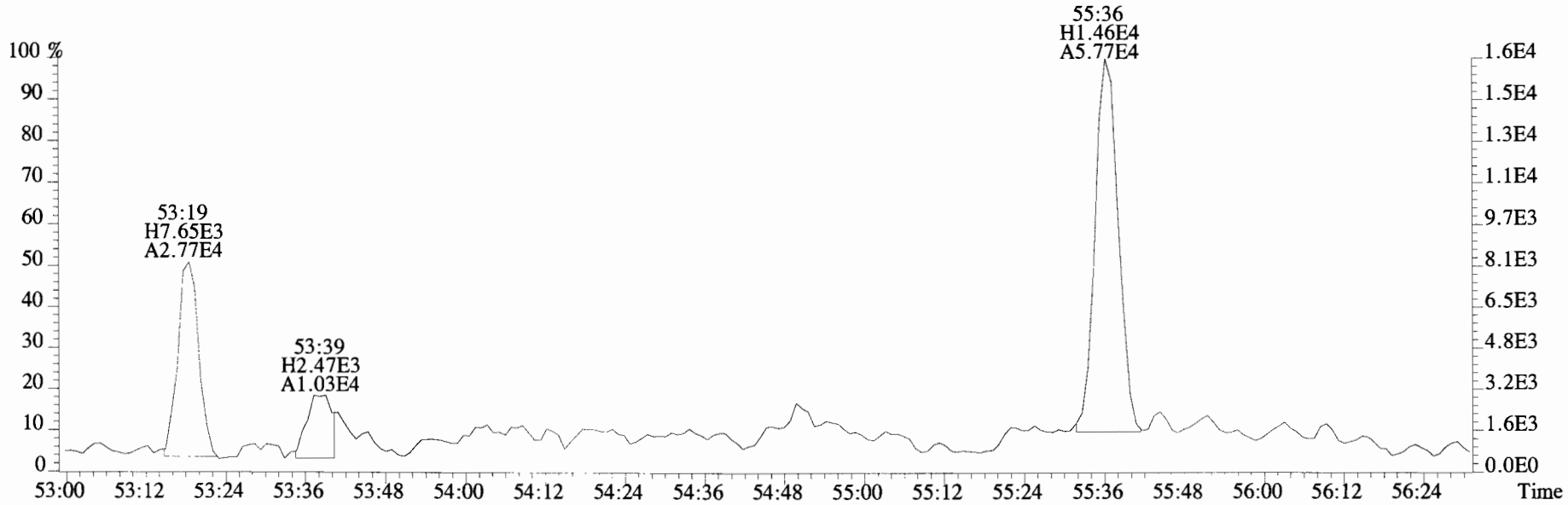

492.9697 S:11 F:5



File:180409E1 #1-407 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
463.7216 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1584.0,0.00%,F,F)

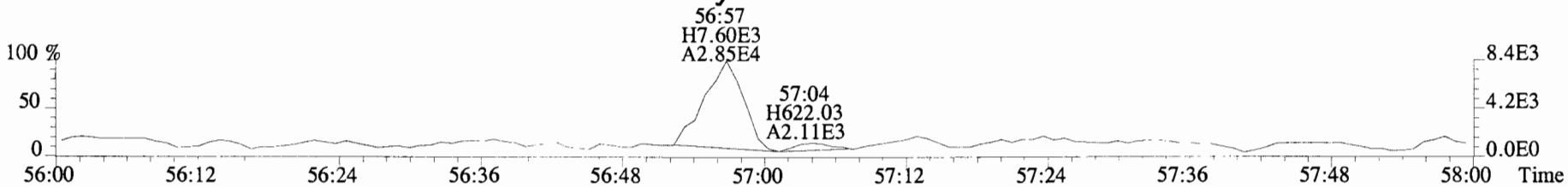



465.7186 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1660.0,0.00%,F,F)

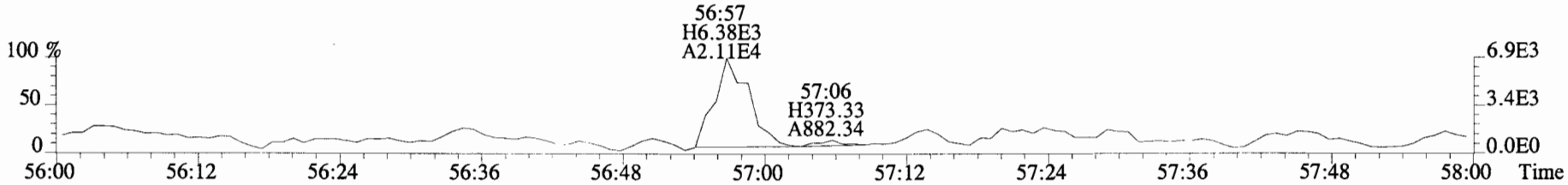


File:180409E1 #1-407 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1

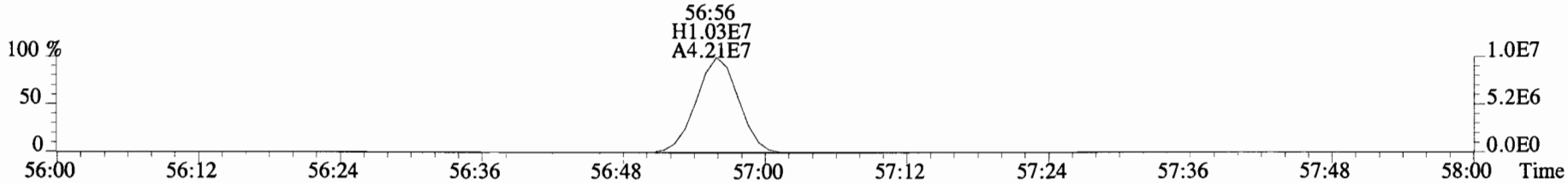
497.6826 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1568.0,0.00%,F,F)



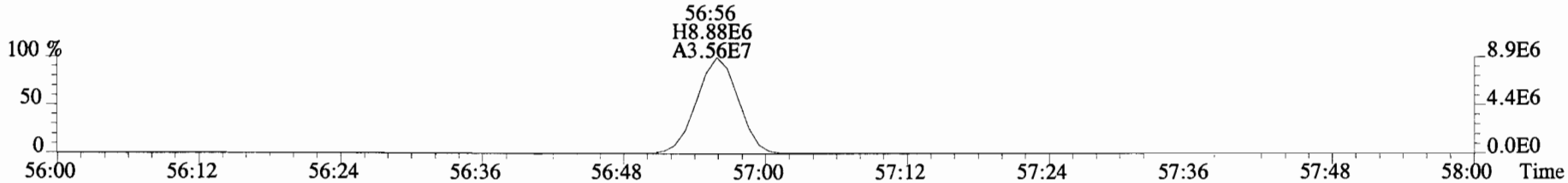

499.6797 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1480.0,0.00%,F,F)



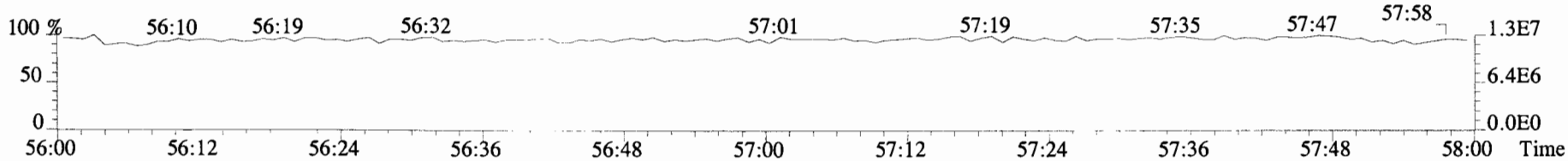

509.7229 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1668.0,0.00%,F,F)



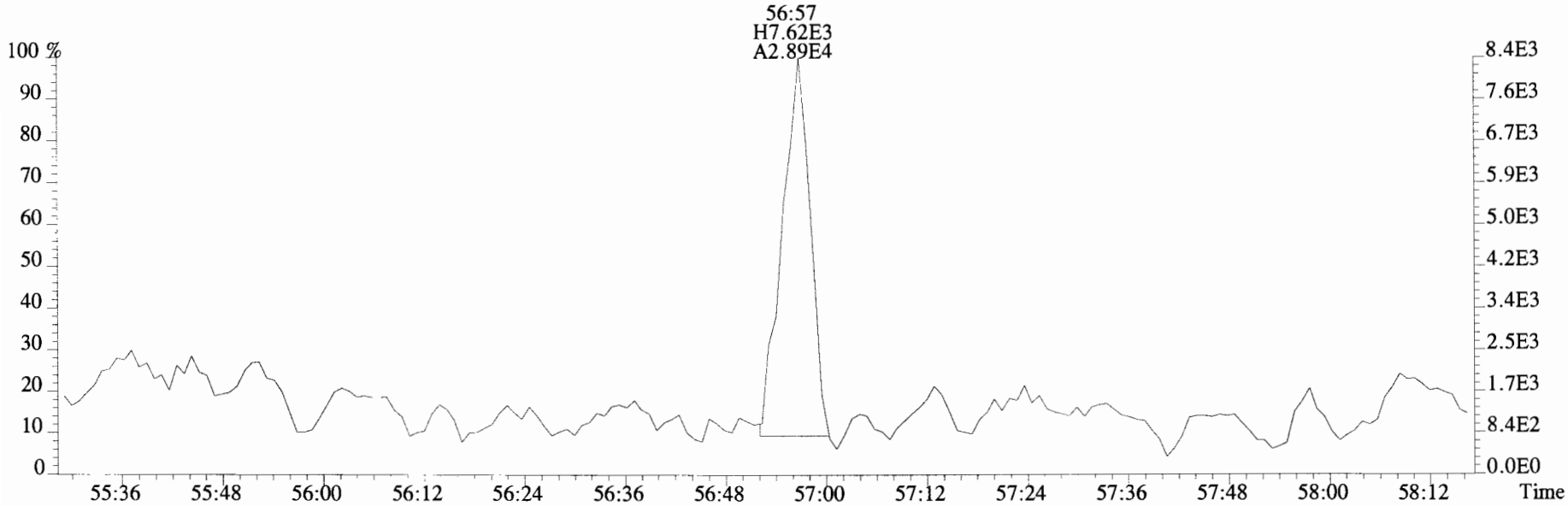

511.7199 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1704.0,0.00%,F,F)



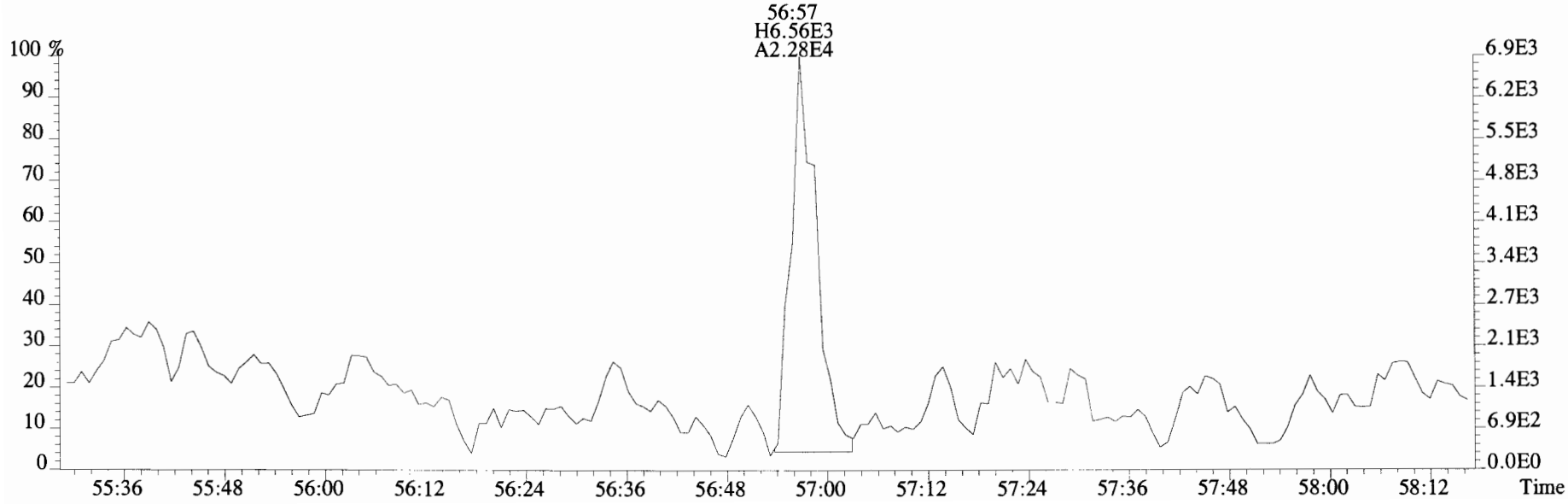

492.9697 S:11 F:5



File:180409E1 #1-407 Acq:10-APR-2018 04:25:00 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG-8 Text:1701560-05 OWS-SCHU-T171026132034 1 Exp:PCB_ZB1
497.6826 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1568.0,0.00%,F,F)




499.6797 S:11 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1480.0,0.00%,F,F)



Client ID: Matrix Spike  Filename: 180409E1  S:5  Acq:9-APR-18 21:54.14  ConCal: ST180409E1-1  Page 2 of

Lab ID: B8D30+1-MS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8 10  wt/vol: 0.900 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 3.20e+07 | 3.01 | y 15:59 | 1.07 | 1262 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Mono | PCB-2 | 3.62e+07 | 3.03 | y 18:23 | 1.06 | 1252 | | * | 2.5 | * | 0.988 | 0.983-0.993 |
| Mono | PCB-3 | 3.66e+07 | 3.02 | y 18:37 | 1.06 | 1267 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-4/10 | 2.25e+08 | 1.59 | y 19:59 | 1.24 | 9468 | | * | 2.5 | * | 1.003 | 0.998-1.008 |
| Di | PCB-7/9 | 7.46e+07 | 1.59 | y 21:47 | 0.99 | 2078 | | * | 2.5 | * | 0.867 | 0.863-0.871 |
| Di | PCB-6 | 4.22e+07 | 1.57 | y 22:26 | 1.06 | 1102 | | * | 2.5 | * | 0.893 | 0.888-0.897 |
| Di | PCB-5/8 | 8.59e+07 | 1.57 | y 22:51 | 1.03 | 2312 | | * | 2.5 | * | 0.909 | 0.904-0.913 |
| Di | PCB-14 | 4.53e+07 | 1.58 | y 23:57 | 1.03 | 1002 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Di | PCB-11 | 5.12e+07 | 1.61 | y 25:09 | 1.11 | 1051 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | 9.44e+07 | 1.58 | y 25:32 | 1.02 | 2116 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Di | PCB-15 | 5.90e+07 | 1.59 | y 25:51 | 1.05 | 1275 | | * | 2.5 | * | 1.029 | 1.023-1.033 |
| Tri | PCB-19 | 9.38e+07 | 1.04 | y 24:08 | 1.20 | 3001 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | 5.72e+07 | 1.05 | y 25:02 | 1.93 | 1136 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Tri | PCB-18 | 5.06e+07 | 1.03 | y 25:47 | 0.91 | 1218 | | * | 2.5 | * | 0.954 | 0.948-0.958 |
| Tri | PCB-17 | 4.46e+07 | 1.04 | y 25:57 | 0.84 | 1166 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 1.34e+08 | 1.04 | y 26:32 | 1.15 | 2565 | | * | 2.5 | * | 0.982 | 0.977-0.986 |
| Tri | PCB-16/32 | 1.08e+08 | 1.04 | y 27:02 | 1.02 | 2329 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | 4.79e+07 | 1.04 | y 27:50 | 0.96 | 1098 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-23 | 4.80e+07 | 1.07 | y 27:56 | 0.95 | 1111 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Tri | PCB-29 | 4.83e+07 | 1.04 | y 28:11 | 0.96 | 1104 | | * | 2.5 | * | 0.972 | 0.966-0.976 |
| Tri | PCB-26 | 5.44e+07 | 1.04 | y 28:23 | 1.00 | 1193 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 5.40e+07 | 1.06 | y 28:34 | 1.06 | 1125 | | * | 2.5 | * | 0.985 | 0.980-0.990 |
| Tri | PCB-31 | 6.50e+07 | 1.04 | y 28:55 | 1.10 | 1301 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 6.04e+07 | 1.05 | y 29:01 | 1.14 | 1168 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 1.53e+08 | 1.05 | y 29:37 | 1.00 | 3377 | | * | 2.5 | * | 1.021 | 1.017-1.027 |
| Tri | PCB-22 | 5.62e+07 | 1.04 | y 30:05 | 1.09 | 1136 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | 5.92e+07 | 1.04 | y 30:42 | 1.15 | 1060 | | * | 2.5 | * | 0.934 | 0.929-0.939 |
| Tri | PCB-39 | 5.35e+07 | 1.02 | y 31:09 | 1.07 | 1031 | | * | 2.5 | * | 0.947 | 0.943-0.953 |
| Tri | PCB-38 | 5.62e+07 | 1.05 | y 31:56 | 1.10 | 1050 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-35 | 5.89e+07 | 1.05 | y 32:28 | 1.12 | 1081 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tri | PCB-37 | 5.97e+07 | 1.06 | y 32:54 | 1.11 | 1106 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 5.09e+07 | 0.79 | y 27:53 | 1.07 | 1127 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | 4.49e+07 | 0.78 | y 29:03 | 0.87 | 1222 | | * | 2.5 | * | 1.042 | 1.038-1.048 |
| Tetra | PCB-53 | 5.24e+07 | 0.77 | y 29:42 | 1.01 | 1268 | | * | 2.5 | * | 0.945 | 0.940-0.950 |
| Tetra | PCB-51 | 4.90e+07 | 0.76 | y 30:02 | 1.10 | 1087 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 3.98e+07 | 0.78 | y 30:28 | 0.87 | 1115 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 3.67e+07 | 0.79 | y 30:58 | 0.84 | 1069 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/10/18

Reviewed by: CT  Date: 4/12/18

Client ID: Matrix Spike  Filename: 180409E1  S:5  Acq:9-APR-18 21:54:14  ConCal: ST180409E1-1  
Lab ID: B8D0041-MS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 0.900  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 1.22e+08 | 0.78 | y 31:26 | 1.21 | 2464 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 6.85e+07 | 0.77 | y 31:34 | 1.45 | 1151 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 1.03e+08 | 0.77 | y 31:43 | 1.01 | 2493 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 5.37e+07 | 0.77 | y 31:56 | 0.91 | 1320 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-48/75 | 1.13e+08 | 0.78 | y 32:03 | 1.13 | 2220 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | 5.82e+07 | 0.77 | y 32:19 | 1.27 | 1019 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Tetra | PCB-62 | 5.93e+07 | 0.77 | y 32:26 | 1.10 | 1205 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Tetra | PCB-44 | 5.04e+07 | 0.76 | y 32:44 | 0.85 | 1313 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Tetra | PCB-42/59 | 1.06e+08 | 0.78 | y 32:57 | 1.02 | 2312 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 2.48e+08 | 0.78 | y 33:33 | 1.17 | 4731 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 6.50e+07 | 0.78 | y 33:48 | 1.28 | 1134 | | * | 2.5 | * | 1.058 | 1.054-1.064 |
| Tetra | PCB-40 | 3.43e+07 | 0.77 | y 34:01 | 0.62 | 1223 | | * | 2.5 | * | 1.065 | 1.060-1.070 |
| Tetra | PCB-57 | 6.90e+07 | 0.78 | y 34:23 | 1.13 | 1083 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 6.89e+07 | 0.77 | y 34:41 | 1.10 | 1108 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | 6.90e+07 | 0.78 | y 34:49 | 1.12 | 1088 | | * | 2.5 | * | 0.983 | 0.977-0.987 |
| Tetra | PCB-63 | 6.22e+07 | 0.77 | y 34:58 | 1.00 | 1102 | | * | 2.5 | * | 0.987 | 0.981-0.991 |
| Tetra | PCB-74 | 7.56e+07 | 0.77 | y 35:15 | 1.18 | 1132 | | * | 2.5 | * | 0.995 | 0.989-0.999 |
| Tetra | PCB-61/70 | 1.29e+08 | 0.77 | y 35:25 | 1.03 | 2225 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 1.44e+08 | 0.78 | y 35:38 | 1.13 | 2256 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | 7.15e+07 | 0.77 | y 35:52 | 1.19 | 1062 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-55 | 7.29e+07 | 0.77 | y 36:12 | 1.16 | 1115 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Tetra | PCB-56/60 | 1.29e+08 | 0.78 | y 36:41 | 1.04 | 2195 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | 7.23e+07 | 0.79 | y 37:45 | 1.17 | 1097 | | * | 2.5 | * | 1.053 | 1.047-1.057 |
| Tetra | PCB-78 | 7.09e+07 | 0.77 | y 38:27 | 1.10 | 1071 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tetra | PCB-81 | 6.48e+07 | 0.77 | y 38:59 | 0.97 | 1116 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-77 | 6.89e+07 | 0.78 | y 39:34 | 1.08 | 1092 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | 4.28e+07 | 1.57 | y 32:36 | 1.08 | 981.0 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-96 | 4.62e+07 | 1.59 | y 33:51 | 1.13 | 1009 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 3.84e+07 | 1.57 | y 34:24 | 0.91 | 1044 | | * | 2.5 | * | 1.056 | 1.051-1.061 |
| Penta | PCB-100 | 4.04e+07 | 1.58 | y 34:45 | 0.93 | 1078 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 3.13e+07 | 1.58 | y 35:13 | 0.91 | 1035 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 1.23e+08 | 1.55 | y 35:42 | 1.17 | 3155 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Penta | PCB-93 | 2.97e+07 | 1.58 | y 35:50 | 0.93 | 969.4 | | * | 2.5 | * | 1.003 | 0.997-1.007 |
| Penta | PCB-88/91 | 6.58e+07 | 1.56 | y 36:07 | 0.97 | 2037 | | * | 2.5 | * | 1.011 | 1.005-1.015 |
| Penta | PCB-121 | 5.81e+07 | 1.59 | y 36:15 | 1.68 | 1042 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-84/92 | 6.84e+07 | 1.55 | y 37:04 | 0.97 | 2059 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 3.63e+07 | 1.57 | y 37:14 | 1.06 | 997.4 | | * | 2.5 | * | 0.995 | 0.990-1.000 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike  Filename: 180409E1  S:5  Acq:9-APR-18 21:54:14  ConCal: ST180409E1-1  
Lab ID: B8D0041-MS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 0.900  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 7.69e+07 | 1.59 | y 37:26 | 1.08 | 2090 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 4.89e+07 | 1.54 | y 37:40 | 1.48 | 968.0 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Penta | PCB-99 | 4.84e+07 | 1.60 | y 37:46 | 1.25 | 1129 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 5.38e+07 | 1.56 | y 38:13 | 1.70 | 1001 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Penta | PCB-108/112 | 8.82e+07 | 1.56 | y 38:23 | 1.40 | 1989 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | 5.46e+07 | 1.55 | y 38:33 | 1.75 | 986.1 | | * | 2.5 | * | 0.995 | 0.990-1.000 |
| Penta | PCB-97 | 3.79e+07 | 1.56 | y 38:44 | 1.17 | 1021 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | 3.68e+07 | 1.63 | y 38:53 | 1.08 | 1077 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-87/117/125 | 1.45e+08 | 1.55 | y 39:01 | 1.55 | 2964 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Penta | PCB-111/115 | 1.12e+08 | 1.56 | y 39:10 | 1.79 | 1983 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Penta | PCB-85/116 | 8.87e+07 | 1.58 | y 39:17 | 1.29 | 2175 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | 6.27e+07 | 1.55 | y 39:33 | 1.98 | 1002 | | * | 2.5 | * | 1.021 | 1.016-1.026 |
| Penta | PCB-110 | 6.01e+07 | 1.58 | y 39:41 | 1.69 | 1129 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 3.58e+07 | 1.58 | y 40:18 | 0.81 | 981.7 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 6.04e+07 | 1.54 | y 40:59 | 1.30 | 1031 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Penta | PCB-107/109 | 1.14e+08 | 1.57 | y 41:08 | 1.31 | 1917 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Penta | PCB-123 | 5.20e+07 | 1.55 | y 41:18 | 1.12 | 1027 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 1.17e+08 | 1.57 | y 41:30 | 1.18 | 2159 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-114 | 4.74e+07 | 1.54 | y 42:08 | 1.11 | 1033 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-122 | 4.62e+07 | 1.54 | y 42:16 | 1.03 | 1088 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-105 | 4.90e+07 | 1.57 | y 43:00 | 1.12 | 1077 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-127 | 5.10e+07 | 1.56 | y 43:20 | 1.12 | 1041 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-126 | 5.22e+07 | 1.57 | y 45:14 | 1.20 | 1074 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-155 | 3.86e+07 | 1.22 | y 36:59 | 0.99 | 977.7 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-150 | 4.30e+07 | 1.25 | y 38:15 | 1.02 | 1049 | | * | 2.5 | * | 1.035 | 1.030-1.040 |
| Hexa | PCB-152 | 4.86e+07 | 1.24 | y 38:43 | 1.16 | 1051 | | * | 2.5 | * | 1.047 | 1.042-1.052 |
| Hexa | PCB-145 | 4.85e+07 | 1.23 | y 39:10 | 1.13 | 1075 | | * | 2.5 | * | 1.060 | 1.054-1.064 |
| Hexa | PCB-136 | 4.34e+07 | 1.24 | y 39:29 | 1.02 | 1061 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | 3.51e+07 | 1.27 | y 39:36 | 0.77 | 1136 | | * | 2.5 | * | 1.071 | 1.066-1.076 |
| Hexa | PCB-154 | 4.02e+07 | 1.24 | y 40:06 | 0.88 | 1149 | | * | 2.5 | * | 1.085 | 1.079-1.089 |
| Hexa | PCB-151 | 3.49e+07 | 1.24 | y 40:44 | 0.75 | 1161 | | * | 2.5 | * | 1.102 | 1.095-1.107 |
| Hexa | PCB-135 | 3.92e+07 | 1.22 | y 40:57 | 0.86 | 1140 | | * | 2.5 | * | 1.108 | 1.101-1.113 |
| Hexa | PCB-144 | 3.48e+07 | 1.24 | y 41:03 | 0.77 | 1137 | | * | 2.5 | * | 1.110 | 1.105-1.116 |
| Hexa | PCB-147 | 3.75e+07 | 1.24 | y 41:11 | 0.80 | 1167 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 8.13e+07 | 1.25 | y 41:26 | 0.88 | 2310 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | 3.52e+07 | 1.22 | y 41:38 | 0.77 | 1144 | | * | 2.5 | * | 1.126 | 1.120-1.132 |
| Hexa | PCB-134/143 | 7.96e+07 | 1.25 | y 42:04 | 0.76 | 2186 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike  Filename: 180409E1  S:5  Acq:9-APR-18 21:54:14  ConCal: ST180409E1-1  
Lab ID: B8D0041-MS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 0:900  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 8.50e+07 | 1.25 | y 42:21 | 0.82 | 2178 | | * | 2.5 | * | 0.981 | 0.977-0.987 |
| Hexa | PCB-142 | 3.93e+07 | 1.25 | y 42:31 | 0.73 | 1124 | | * | 2.5 | * | 0.985 | 0.981-0.991 |
| Hexa | PCB-146/165 | 1.06e+08 | 1.24 | y 42:45 | 1.02 | 2183 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Hexa | PCB-132/161 | 1.05e+08 | 1.24 | y 43:00 | 1.00 | 2192 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 5.77e+07 | 1.24 | y 43:10 | 1.08 | 1122 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | 5.53e+07 | 1.25 | y 43:23 | 1.12 | 1036 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Hexa | PCB-141 | 4.38e+07 | 1.23 | y 43:54 | 1.02 | 1068 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 4.70e+07 | 1.22 | y 44:16 | 1.10 | 1061 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Hexa | PCB-130 | 3.88e+07 | 1.26 | y 44:23 | 0.81 | 1197 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 1.71e+08 | 1.26 | y 44:45 | 1.23 | 3185 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | 1.12e+08 | 1.24 | y 45:00 | 1.18 | 2184 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 3.65e+07 | 1.28 | y 45:14 | 0.78 | 1073 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Hexa | PCB-166 | 6.23e+07 | 1.26 | y 45:40 | 1.13 | 1045 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Hexa | PCB-159 | 6.64e+07 | 1.25 | y 46:01 | 1.16 | 1083 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-128/162 | 9.82e+07 | 1.24 | y 46:18 | 0.89 | 2081 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Hexa | PCB-167 | 5.69e+07 | 1.26 | y 46:42 | 1.02 | 1066 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-156 | 5.97e+07 | 1.24 | y 47:59 | 1.06 | 1059 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 5.63e+07 | 1.27 | y 48:15 | 1.02 | 1050 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | 6.20e+07 | 1.25 | y 50:27 | 1.13 | 1059 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-188 | 5.32e+07 | 1.03 | y 42:48 | 1.37 | 1032 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hepta | PCB-184 | 5.28e+07 | 1.04 | y 43:15 | 1.32 | 1065 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Hepta | PCB-179 | 5.63e+07 | 1.06 | y 44:01 | 1.38 | 1083 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | 5.27e+07 | 1.05 | y 44:29 | 1.31 | 1071 | | * | 2.5 | * | 1.040 | 1.035-1.045 |
| Hepta | PCB-186 | 5.94e+07 | 1.05 | y 45:05 | 1.42 | 1112 | | * | 2.5 | * | 1.054 | 1.049-1.059 |
| Hepta | PCB-178 | 4.10e+07 | 1.05 | y 45:35 | 0.97 | 1126 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Hepta | PCB-175 | 4.29e+07 | 1.05 | y 45:55 | 1.00 | 1144 | | * | 2.5 | * | 1.074 | 1.069-1.079 |
| Hepta | PCB-182/187 | 9.66e+07 | 1.06 | y 46:06 | 1.14 | 2252 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | 4.60e+07 | 1.04 | y 46:25 | 1.13 | 1085 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | 4.11e+07 | 1.06 | y 47:04 | 1.36 | 1068 | | * | 2.5 | * | 0.956 | 0.950-0.960 |
| Hepta | PCB-174 | 4.09e+07 | 1.04 | y 47:26 | 1.42 | 1017 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | 4.81e+07 | 1.06 | y 47:32 | 1.48 | 1146 | | * | 2.5 | * | 0.965 | 0.960-0.970 |
| Hepta | PCB-177 | 4.08e+07 | 1.04 | y 47:42 | 1.33 | 1082 | | * | 2.5 | * | 0.969 | 0.963-0.973 |
| Hepta | PCB-171 | 4.04e+07 | 1.05 | y 48:00 | 1.37 | 1039 | | * | 2.5 | * | 0.975 | 0.969-0.979 |
| Hepta | PCB-173 | 3.84e+07 | 1.04 | y 48:25 | 1.27 | 1066 | | * | 2.5 | * | 0.983 | 0.978-0.988 |
| Hepta | PCB-172 | 4.25e+07 | 1.02 | y 48:52 | 1.39 | 1080 | | * | 2.5 | * | 0.992 | 0.987-0.997 |
| Hepta | PCB-192 | 5.74e+07 | 1.06 | y 49:04 | 1.80 | 1120 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Hepta | PCB-180 | 4.63e+07 | 1.04 | y 49:17 | 1.52 | 1074 | | * | 2.5 | * | 1.001 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike  Filename: 180409E1-  S:5  Acq:9-APR-18  21:54:14  ConCal: ST180409E1-1
Lab ID: B8D0041-MS1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 0.900  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | 5.14e+07 | 1.06 | y 49:29 | 1.71 | 1057 | | * | 2.5 | * | 1.005 | 0.999-1.009 |
| Hepta | PCB-191 | 5.39e+07 | 1.07 | y 49:44 | 1.74 | 1091 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Hepta | PCB-170 | 3.91e+07 | 1.07 | y 50:53 | 1.44 | 1081 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hepta | PCB-190 | 5.38e+07 | 1.05 | y 51:04 | 1.95 | 1093 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | 5.13e+07 | 1.06 | y 52:29 | 1.46 | 1025 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-202 | 4.75e+07 | 0.88 | y 48:12 | 1.06 | 1044 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-201 | 4.52e+07 | 0.89 | y 48:41 | 0.98 | 1077 | | * | 2.5 | * | 1.010 | 1.006-1.016 |
| Octa | PCB-204 | 4.71e+07 | 0.88 | y 48:50 | 1.07 | 1025 | | * | 2.5 | * | 1.013 | 1.009-1.019 |
| Octa | PCB-197 | 4.70e+07 | 0.89 | y 49:08 | 1.10 | 997.2 | | * | 2.5 | * | 1.020 | 1.015-1.025 |
| Octa | PCB-200 | 4.61e+07 | 0.89 | y 50:03 | 1.04 | 1030 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Octa | PCB-198 | 3.77e+07 | 0.89 | y 51:31 | 0.84 | 1046 | | * | 2.5 | * | 1.069 | 1.065-1.075 |
| Octa | PCB-199 | 3.51e+07 | 0.90 | y 51:38 | 0.80 | 1023 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 7.59e+07 | 0.90 | y 51:55 | 0.84 | 2100 | | * | 2.5 | * | 1.077 | 1.072-1.082 |
| Octa | PCB-195 | 3.10e+07 | 0.89 | y 53:10 | 1.04 | 1064 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 3.42e+07 | 0.89 | y 54:04 | 1.16 | 1051 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | 4.05e+07 | 0.88 | y 54:20 | 1.33 | 1083 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Nona | PCB-208 | 4.19e+07 | 1.33 | y 53:18 | 0.90 | 1103 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | 4.22e+07 | 1.33 | y 53:38 | 0.89 | 1120 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Nona | PCB-206 | 3.38e+07 | 1.31 | y 55:37 | 0.88 | 1099 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 3.94e+07 | 1.18 | y 56:56 | 1.04 | 1043 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike  Filename: 180409E1  S:5  Acq:9-APR-18 21:54:14  ConCal: ST180409E1-1
Lab ID: B8D0041-MS1  GC Column ID: ZB-1  ICal: PCBVC8-2-8-18  wt/vol:0.9000  EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 5.25e+07 | 3.14 y | 1.13 | 15:58 | 0.618 | 0.616 | 0.622 | 653 | 29.4 |
| 13C-PCB-3 | 6.06e+07 | 3.16 y | 1.21 | 18:36 | 0.720 | 0.716 | 0.724 | 704 | 31.7 |
| 13C-PCB-4 | 4.27e+07 | 1.52 y | 0.59 | 19:56 | 0.771 | 0.769 | 0.777 | 1010 | 45.4 |
| 13C-PCB-9 | 8.03e+07 | 1.51 y | 0.94 | 21:45 | 0.841 | 0.837 | 0.845 | 1200 | 54.0 |
| 13C-PCB-11 | 9.74e+07 | 1.54 y | 0.95 | 25:08 | 0.972 | 0.968 | 0.978 | 1440 | 65.0 |
| 13C-PCB-19 | 5.81e+07 | 1.02 y | 0.62 | 24:06 | 0.932 | 0.928 | 0.938 | 1310 | 58.9 |
| 13C-PCB-28 | 1.01e+08 | 1.06 y | 1.05 | 29:00 | 1.003 | 0.999 | 1.009 | 1480 | 66.7 |
| 13C-PCB-32 | 1.01e+08 | 1.05 y | 0.91 | 27:02 | 1.046 | 1.041 | 1.051 | 1560 | 70.2 |
| 13C-PCB-37 | 1.08e+08 | 1.11 y | 1.02 | 32:53 | 1.138 | 1.132 | 1.144 | 1630 | 73.2 |
| 13C-PCB-47 | 9.98e+07 | 0.78 y | 0.83 | 31:56 | 0.871 | 0.867 | 0.875 | 1770 | 79.5 |
| 13C-PCB-52 | 9.10e+07 | 0.79 y | 0.76 | 31:25 | 0.856 | 0.853 | 0.861 | 1760 | 79.1 |
| 13C-PCB-54 | 9.35e+07 | 0.78 y | 0.93 | 27:52 | 0.760 | 0.756 | 0.764 | 1480 | 66.8 |
| 13C-PCB-70 | 1.25e+08 | 0.78 y | 1.00 | 35:26 | 0.966 | 0.961 | 0.971 | 1850 | 83.4 |
| 13C-PCB-77 | 1.29e+08 | 0.79 y | 0.96 | 39:33 | 1.078 | 1.073 | 1.083 | 1990 | 89.5 |
| 13C-PCB-80 | 1.25e+08 | 0.79 y | 1.00 | 35:52 | 0.978 | 0.973 | 0.983 | 1860 | 83.5 |
| 13C-PCB-81 | 1.33e+08 | 0.78 y | 1.01 | 38:58 | 1.062 | 1.057 | 1.067 | 1950 | 87.7 |
| 13C-PCB-95 | 7.37e+07 | 1.54 y | 0.80 | 35:44 | 0.912 | 0.908 | 0.918 | 1700 | 76.4 |
| 13C-PCB-97 | 7.02e+07 | 1.58 y | 0.70 | 38:44 | 0.989 | 0.984 | 0.994 | 1850 | 83.3 |
| 13C-PCB-101 | 7.59e+07 | 1.56 y | 0.80 | 37:26 | 0.956 | 0.951 | 0.961 | 1750 | 78.8 |
| 13C-PCB-104 | 9.00e+07 | 1.58 y | 1.01 | 32:34 | 0.831 | 0.828 | 0.836 | 1650 | 74.3 |
| 13C-PCB-105 | 9.00e+07 | 1.58 y | 1.14 | 42:58 | 0.929 | 0.924 | 0.934 | 1810 | 81.3 |
| 13C-PCB-114 | 9.17e+07 | 1.61 y | 1.18 | 42:07 | 0.910 | 0.905 | 0.915 | 1780 | 80.0 |
| 13C-PCB-118 | 1.02e+08 | 1.58 y | 1.00 | 41:28 | 1.059 | 1.054 | 1.064 | 1890 | 84.9 |
| 13C-PCB-123 | 1.00e+08 | 1.52 y | 0.95 | 41:17 | 1.054 | 1.049 | 1.059 | 1970 | 88.5 |
| 13C-PCB-126 | 8.99e+07 | 1.58 y | 1.14 | 45:13 | 0.977 | 0.972 | 0.982 | 1810 | 81.5 |
| 13C-PCB-127 | 9.75e+07 | 1.60 y | 1.24 | 43:19 | 0.936 | 0.931 | 0.941 | 1800 | 80.9 |
| 13C-PCB-138 | 9.65e+07 | 1.26 y | 1.17 | 44:43 | 0.966 | 0.962 | 0.972 | 1890 | 84.8 |
| 13C-PCB-141 | 8.94e+07 | 1.27 y | 1.11 | 43:53 | 0.948 | 0.944 | 0.954 | 1850 | 83.2 |
| 13C-PCB-153 | 1.06e+08 | 1.26 y | 1.34 | 43:09 | 0.933 | 0.928 | 0.938 | 1820 | 81.9 |
| 13C-PCB-155 | 8.88e+07 | 1.24 y | 0.83 | 36:58 | 0.944 | 0.939 | 0.949 | 1990 | 89.5 |
| 13C-PCB-156 | 1.18e+08 | 1.26 y | 1.38 | 47:58 | 1.037 | 1.032 | 1.042 | 1950 | 87.8 |
| 13C-PCB-157 | 1.16e+08 | 1.28 y | 1.37 | 48:14 | 1.043 | 1.037 | 1.047 | 1940 | 87.3 |
| 13C-PCB-159 | 1.18e+08 | 1.25 y | 1.39 | 46:00 | 0.994 | 0.989 | 0.999 | 1940 | 87.4 |
| 13C-PCB-167 | 1.16e+08 | 1.26 y | 1.40 | 46:41 | 1.009 | 1.004 | 1.014 | 1900 | 85.6 |
| 13C-PCB-169 | 1.15e+08 | 1.27 y | 1.39 | 50:27 | 1.090 | 1.085 | 1.095 | 1900 | 85.4 |
| 13C-PCB-170 | 5.60e+07 | 0.45 y | 0.86 | 50:51 | 1.103 | 1.097 | 1.109 | 1980 | 89.2 |
| 13C-PCB-180 | 6.31e+07 | 0.47 y | 0.98 | 49:15 | 1.068 | 1.064 | 1.074 | 1960 | 88.3 |
| 13C-PCB-188 | 8.35e+07 | 0.46 y | 1.40 | 42:46 | 0.928 | 0.923 | 0.933 | 1810 | 81.6 |
| 13C-PCB-189 | 7.63e+07 | 0.46 y | 1.15 | 52:28 | 1.138 | 1.132 | 1.144 | 2020 | 90.7 |
| 13C-PCB-194 | 6.25e+07 | 0.90 y | 0.77 | 54:03 | 0.995 | 0.990 | 1.000 | 1890 | 84.9 |
| 13C-PCB-202 | 9.55e+07 | 0.90 y | 1.28 | 48:11 | 1.045 | 1.040 | 1.050 | 2260 | 102 |
| 13C-PCB-206 | 7.74e+07 | 0.78 y | 0.81 | 55:36 | 1.024 | 1.019 | 1.029 | 2230 | 100 |
| 13C-PCB-208 | 9.43e+07 | 0.79 y | 1.09 | 53:18 | 0.981 | 0.977 | 0.987 | 2010 | 90.3 |
| 13C-PCB-209 | 8.05e+07 | 1.17 y | 0.74 | 56:55 | 1.048 | 1.043 | 1.053 | 2540 | 115 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.48e+08 | 0.79 y | 1.03 | 37:45 | 1.029 | 1.024 | 1.034 | 2110 | 95.1 |
| 13C-PCB-178 | 6.64e+07 | 0.46 y | 0.93 | 45:33 | 0.985 | 0.980 | 0.990 | 2180 | 97.9 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.48e+08 | 0.79 y | 1.03 | 37:45 | 0.969 | 0.963 | 0.973 | 2410 | 108 |
| 13C-PCB-178 | 6.64e+07 | 0.46 y | 0.95 | 45:33 | 0.925 | 0.920 | 0.930 | 2460 | 111 |

RS

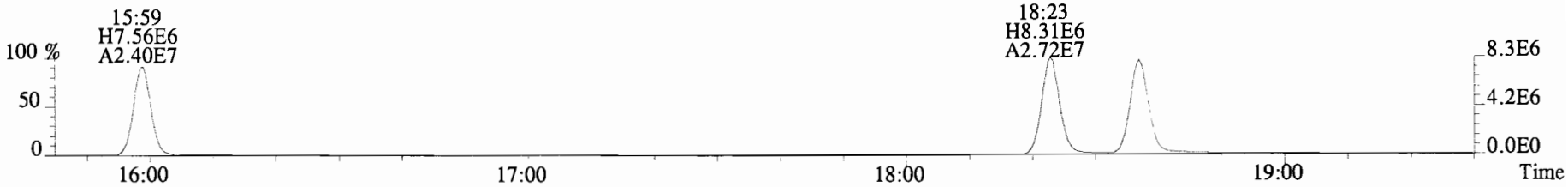
| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 1.58e+08 | 1.52 y | 1.00 | 25:51 | 2220 |
| 13C-PCB-31 | 1.45e+08 | 1.05 y | 1.00 | 28:54 | 2220 |
| 13C-PCB-60 | 1.50e+08 | 0.79 y | 1.00 | 36:41 | 2220 |
| 13C-PCB-111 | 1.20e+08 | 1.59 y | 1.00 | 39:10 | 2220 |
| 13C-PCB-128 | 9.70e+07 | 1.27 y | 1.00 | 46:16 | 2220 |
| 13C-PCB-182 | 7.32e+07 | 0.45 y | 1.00 | 46:06 | 2220 |
| 13C-PCB-205 | 9.55e+07 | 0.93 y | 1.00 | 54:19 | 2220 |

Analyst: DB

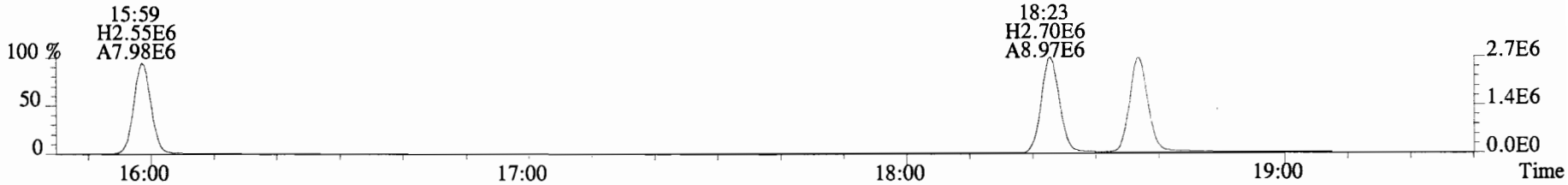
Date: 4/10/18

File:180409E1 #1-867 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1

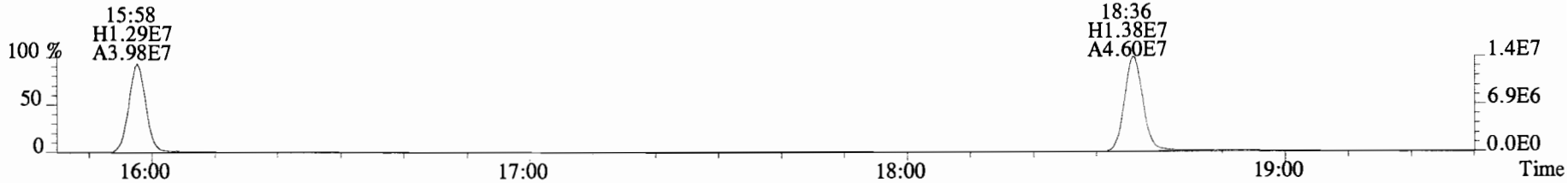
188.0393 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5820.0,0.00%,F,F)



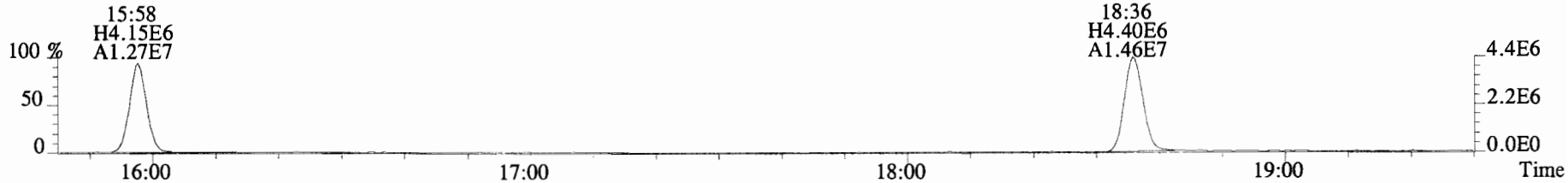

190.0363 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3680.0,0.00%,F,F)



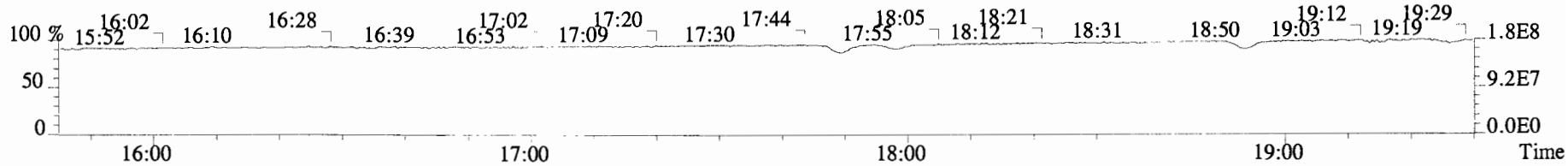

200.0795 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7516.0,0.00%,F,F)



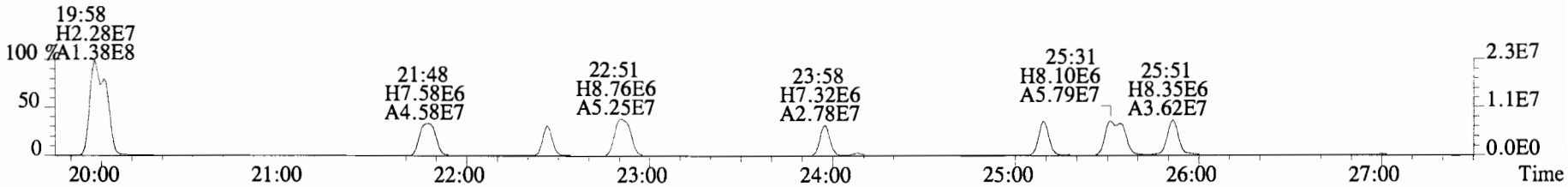

202.0766 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39504.0,0.00%,F,F)



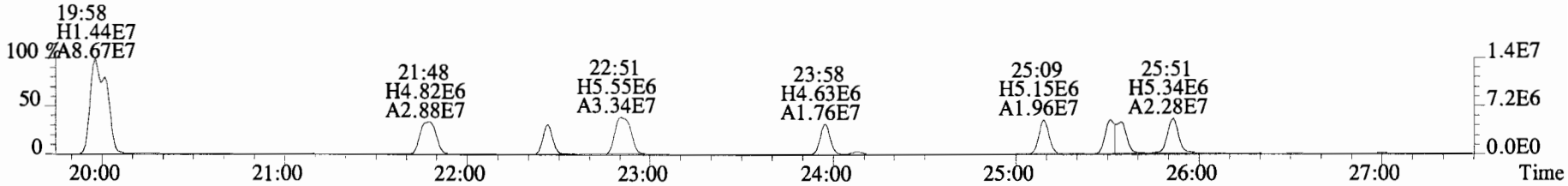

180.9880 S:5



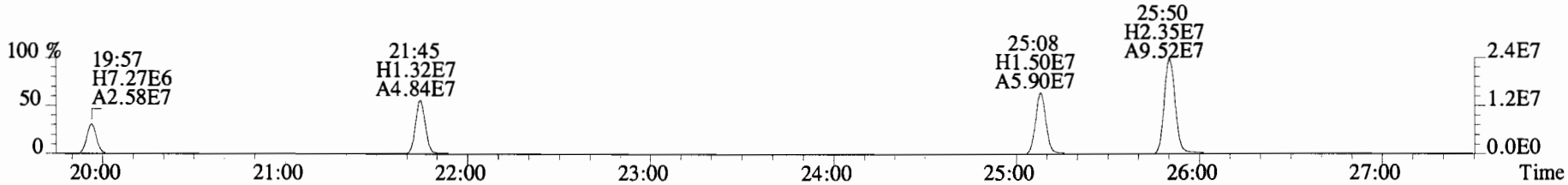
File:180409E1 #1-757 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
222.0003 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7364.0,0.00%,F,F)



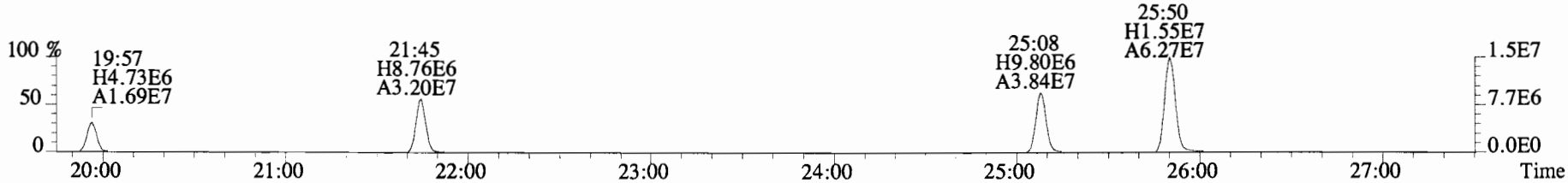

223.9974 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37724.0,0.00%,F,F)



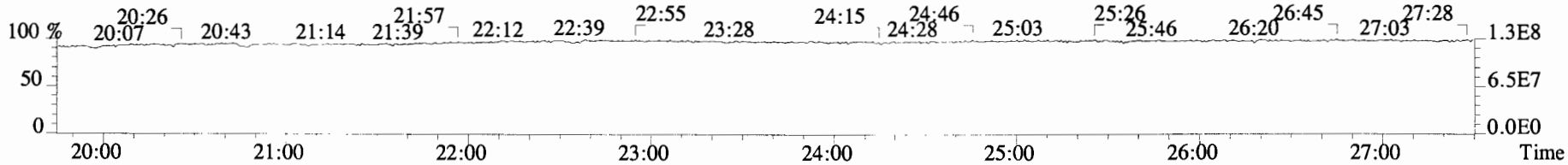

234.0406 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4712.0,0.00%,F,F)



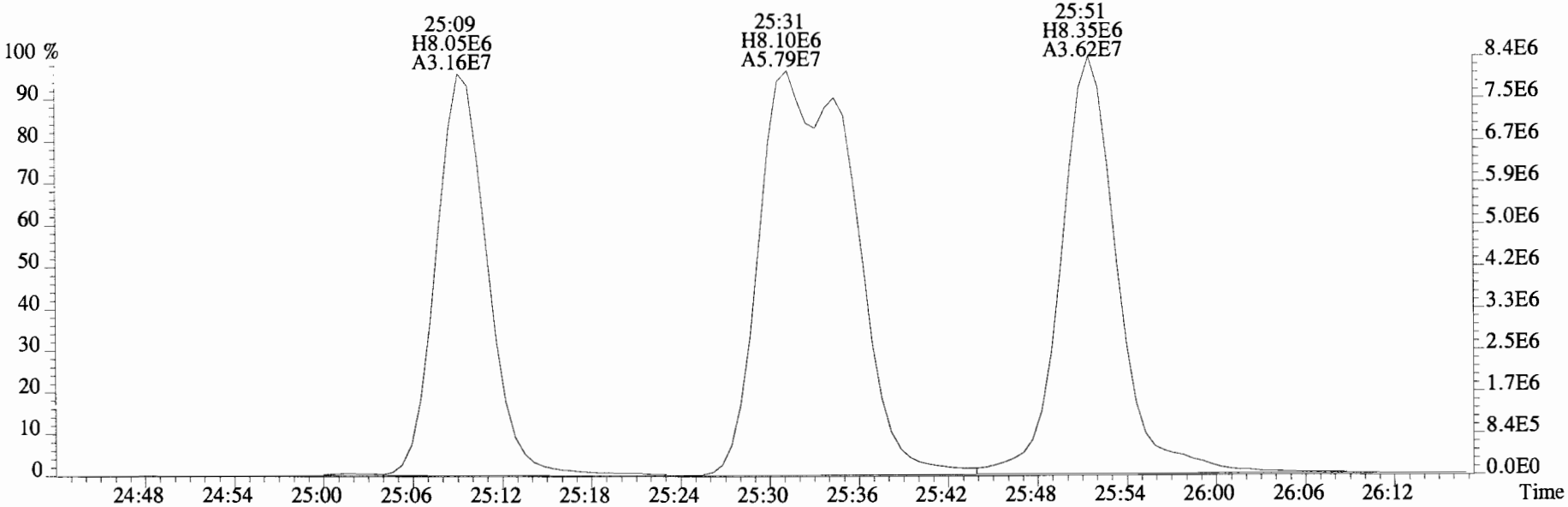

236.0376 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3560.0,0.00%,F,F)



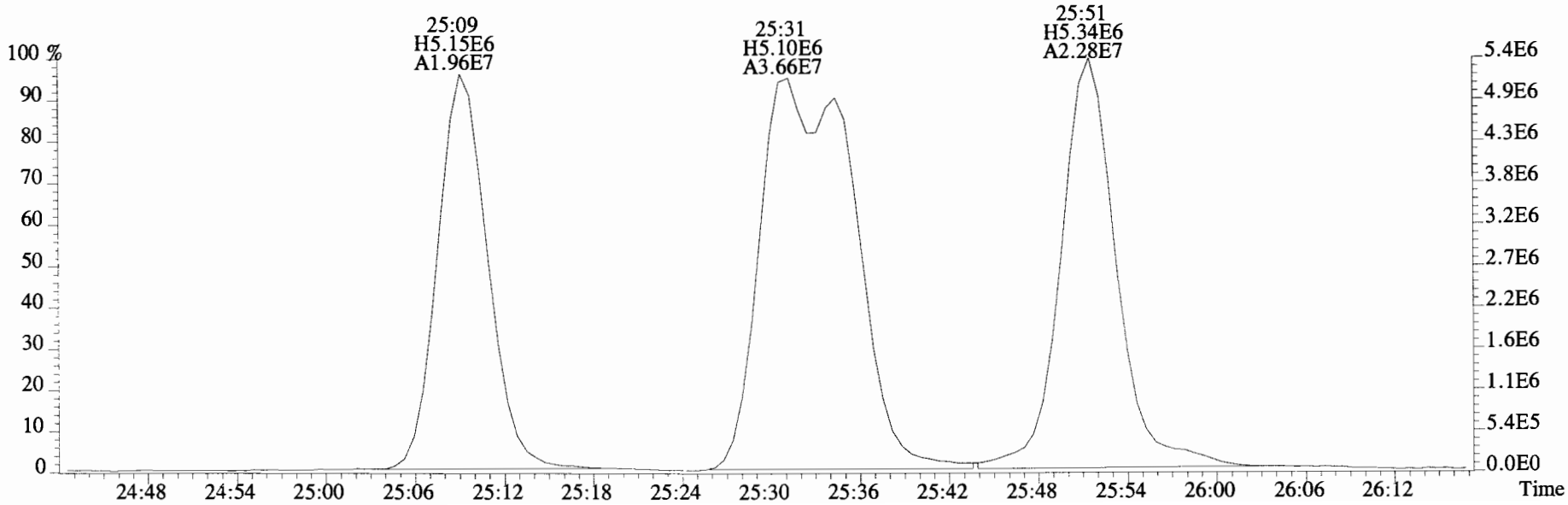

230.9856 S:5 F:2



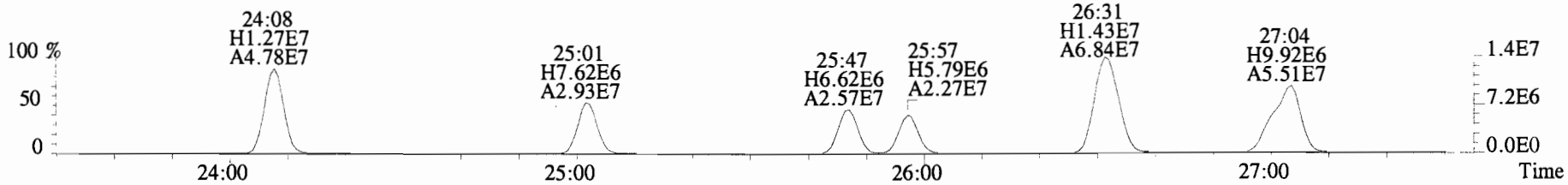
File:180409E1 #1-757 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
222.0003 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7364.0,0.00%,F,F)



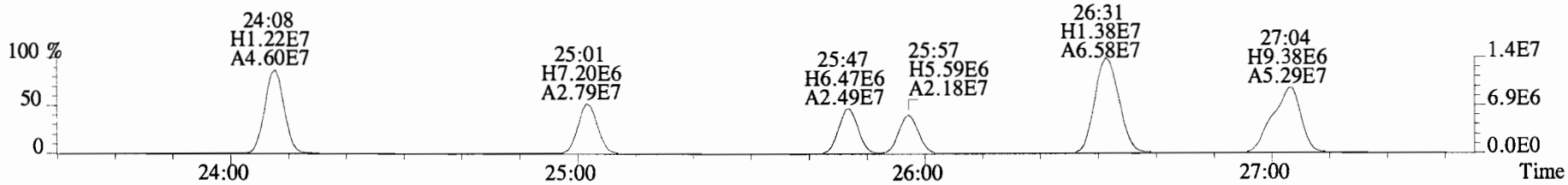

223.9974 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37724.0,0.00%,F,F)



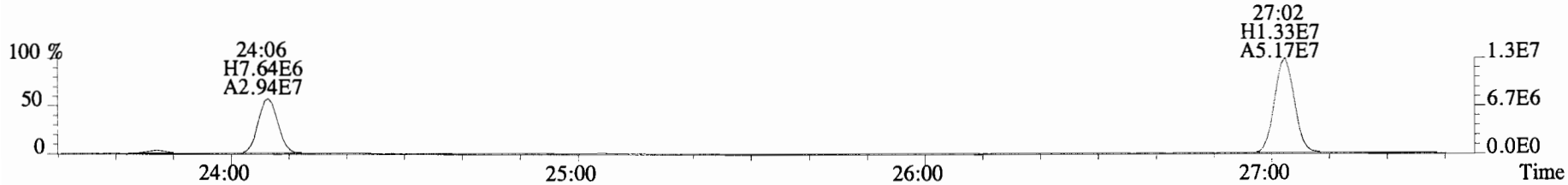
File:180409E1 #1-757 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
255.9613 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3300.0,0.00%,F,F)



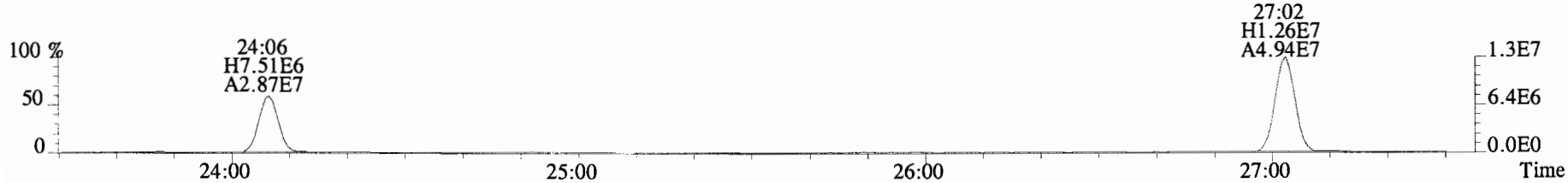

257.9584 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2380.0,0.00%,F,F)



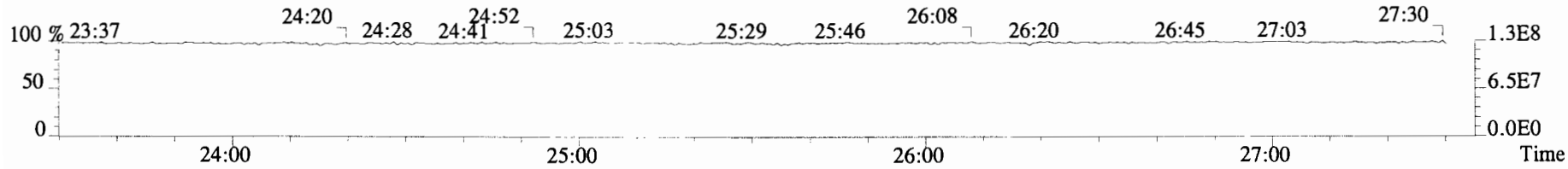

268.0016 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,91180.0,0.00%,F,F)



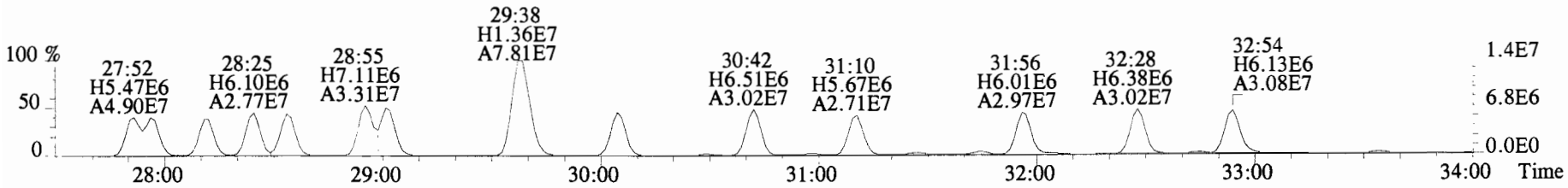

269.9986 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,89856.0,0.00%,F,F)



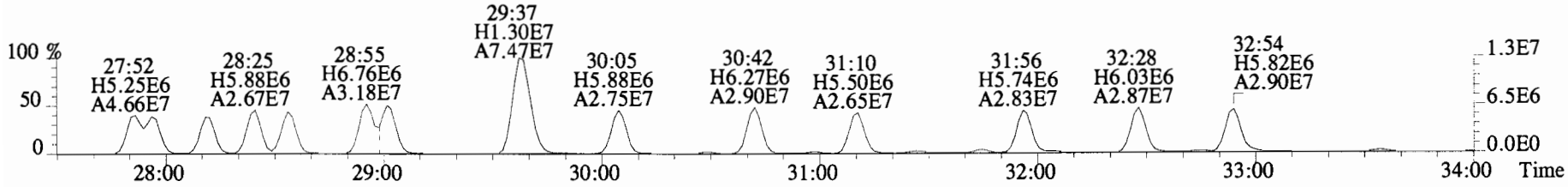

230.9856 S:5 F:2



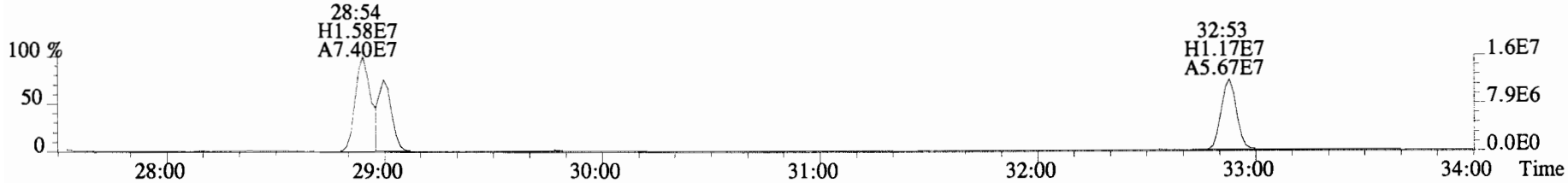
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
255.9613 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43616.0,0.00%,F,F)



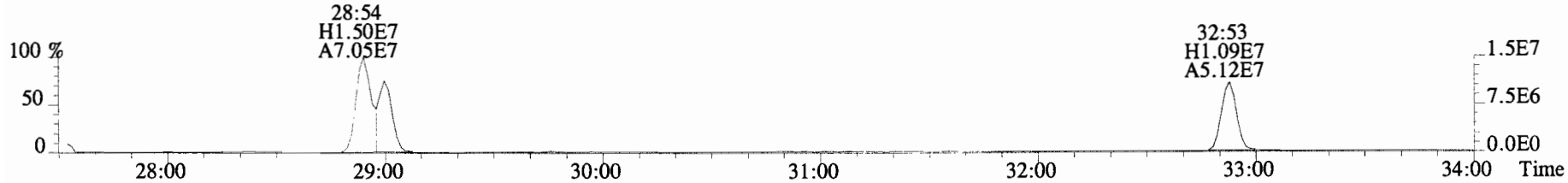

257.9584 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23552.0,0.00%,F,F)



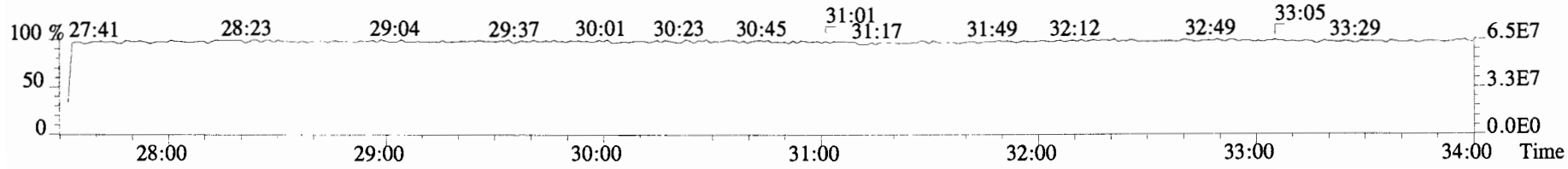

268.0016 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,101812.0,0.00%,F,F)



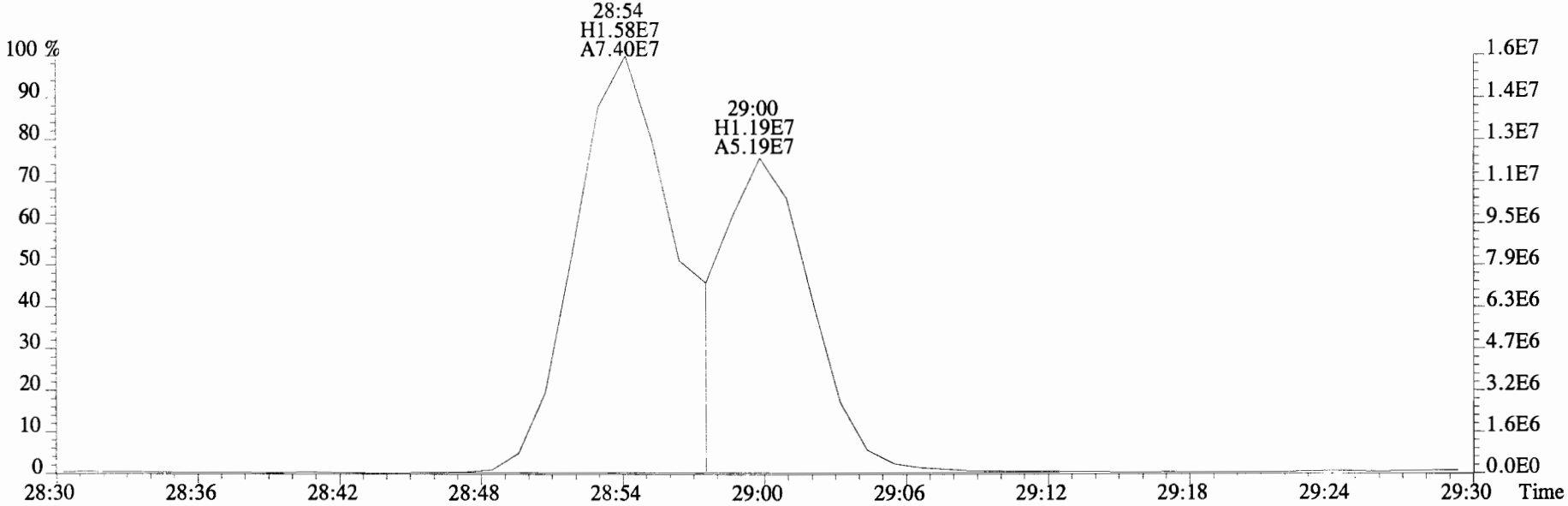

269.9986 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,104472.0,0.00%,F,F)



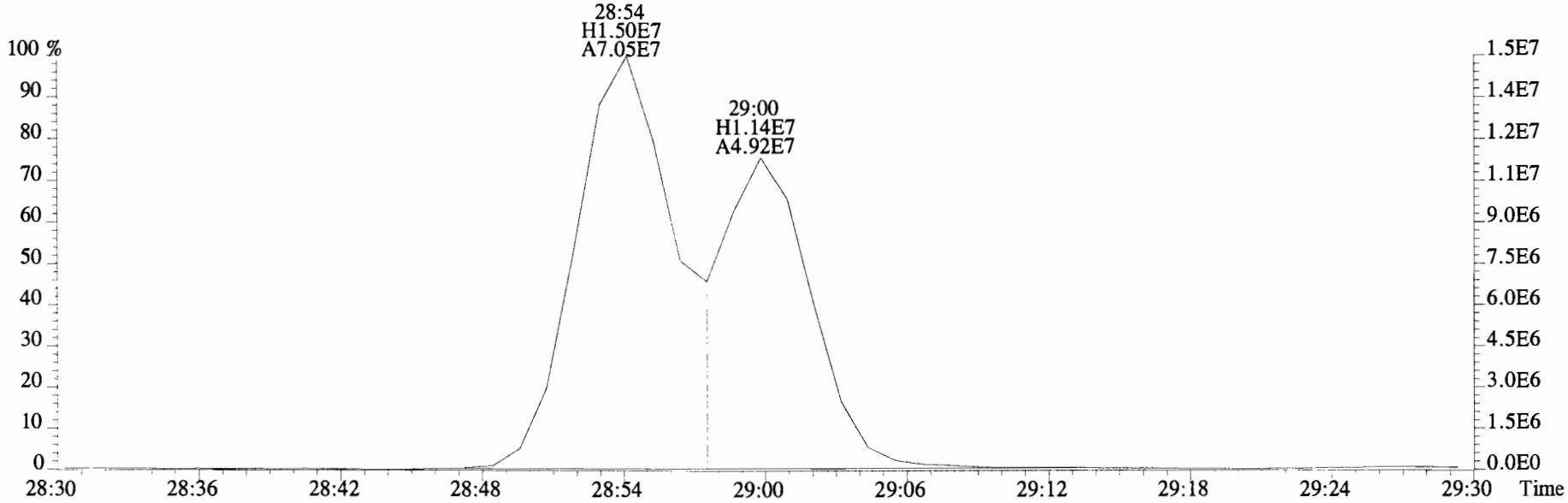

330.9792 S:5 F:3



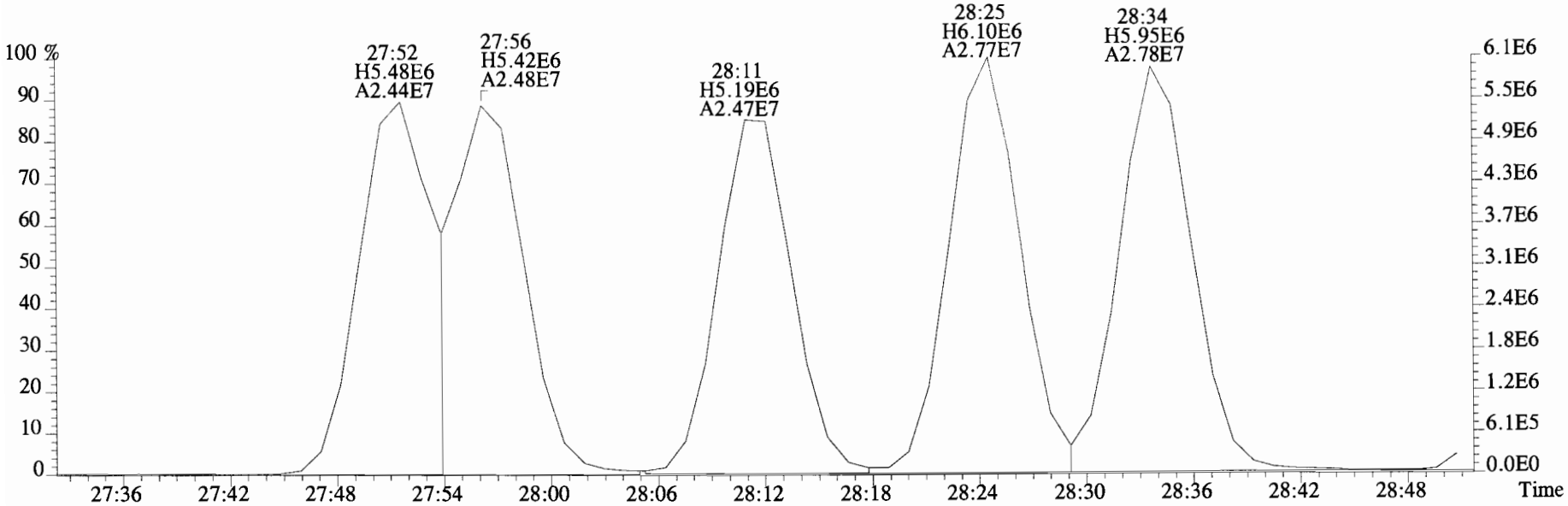
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
268.0016 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,101812.0,0.00%,F,F)



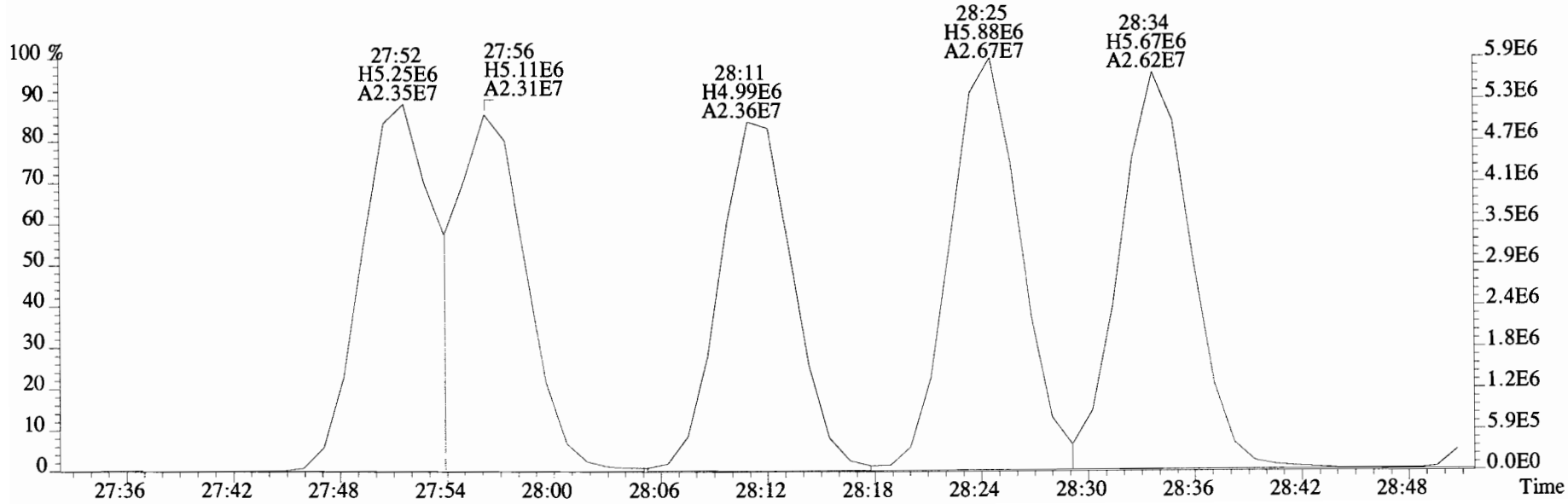

269.9986 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,104472.0,0.00%,F,F)



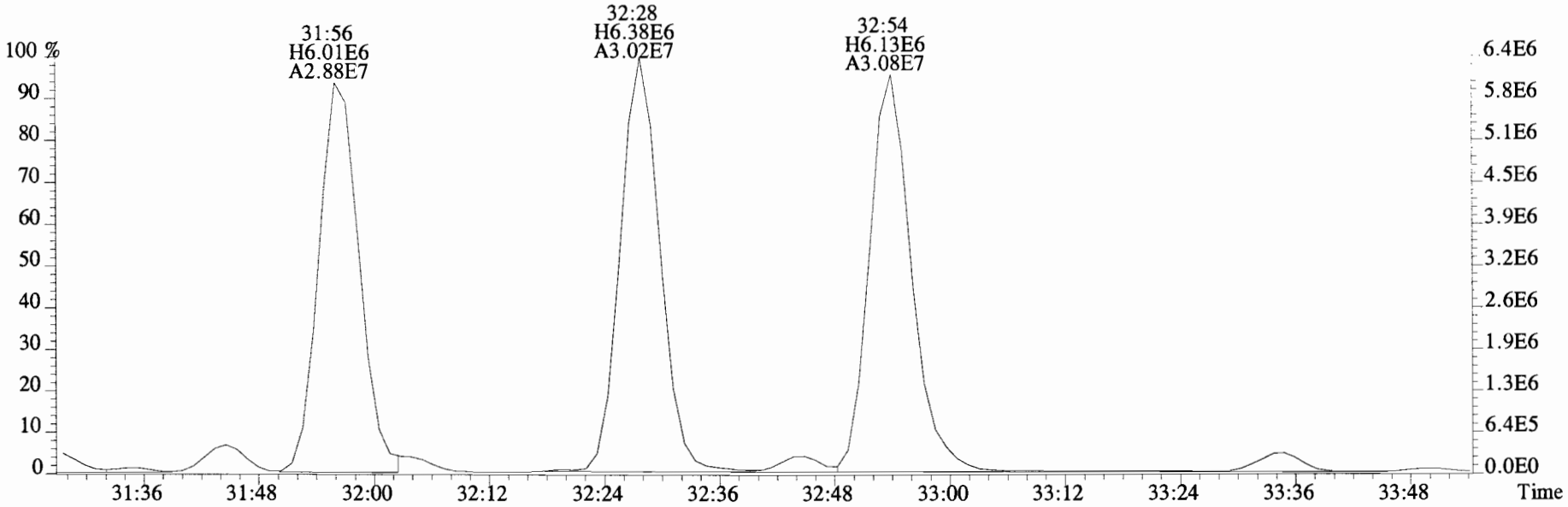
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
255.9613 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43616.0,0.00%,F,F)



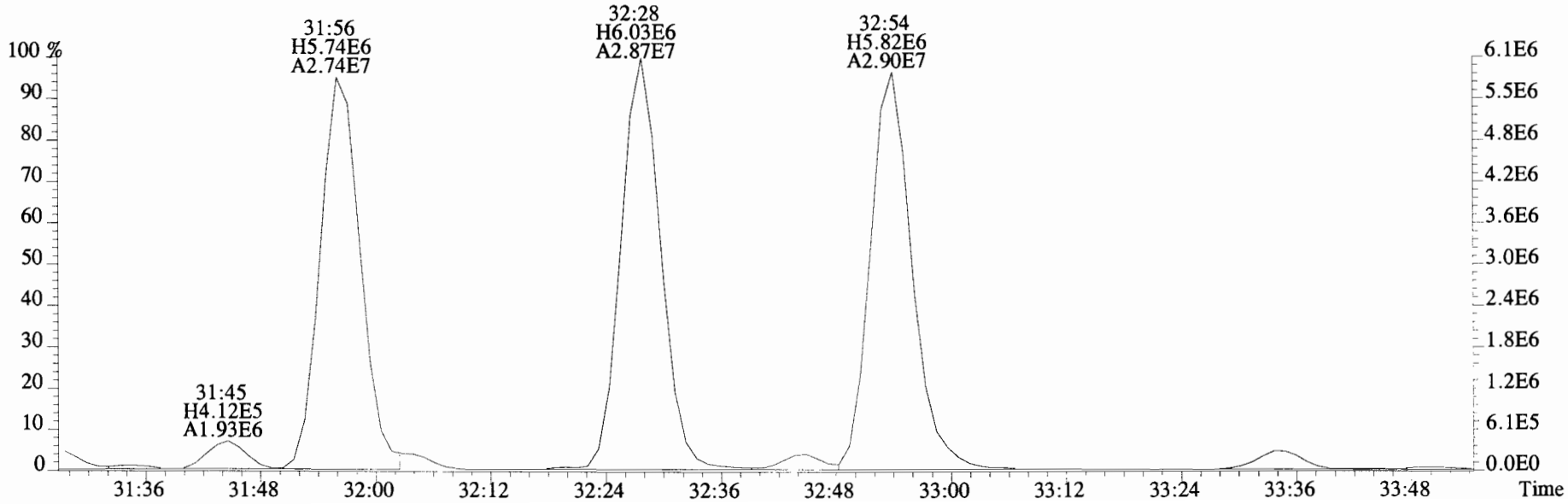

257.9584 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23552.0,0.00%,F,F)



File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
255.9613 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43616.0,0.00%,F,F)

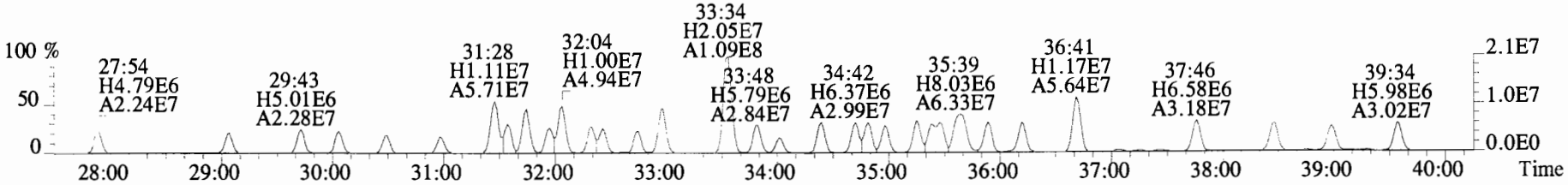



257.9584 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23552.0,0.00%,F,F)

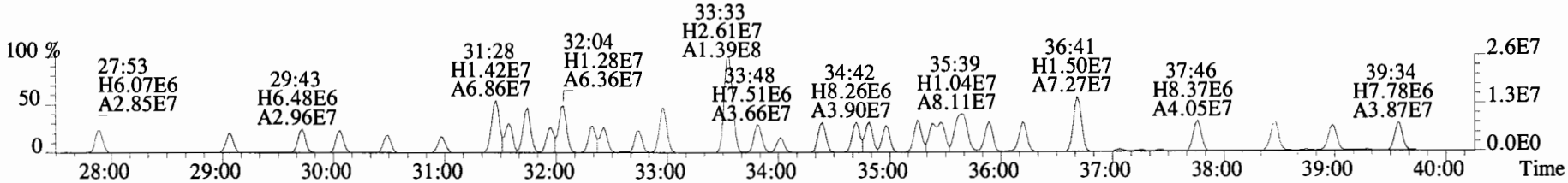


File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1

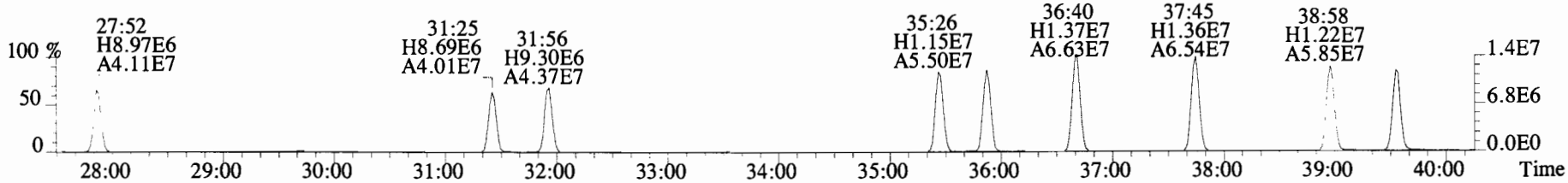
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24292.0,0.00%,F,F)



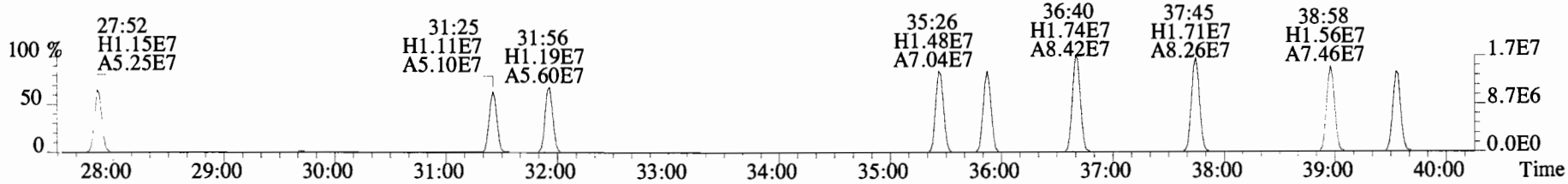

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26184.0,0.00%,F,F)



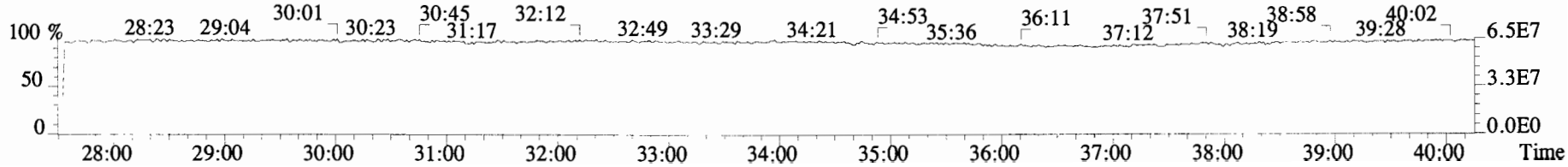

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,32720.0,0.00%,F,F)



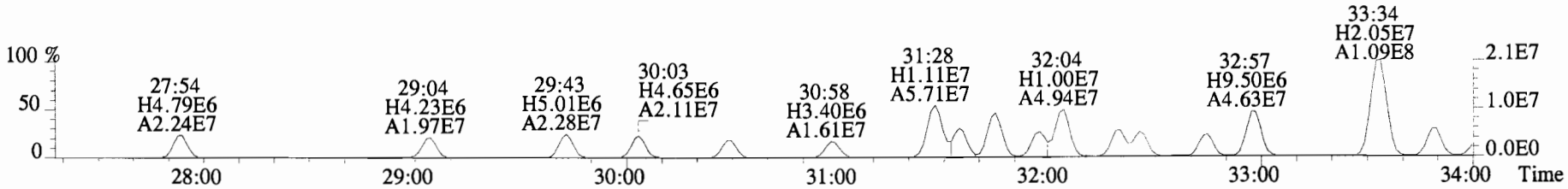

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19244.0,0.00%,F,F)



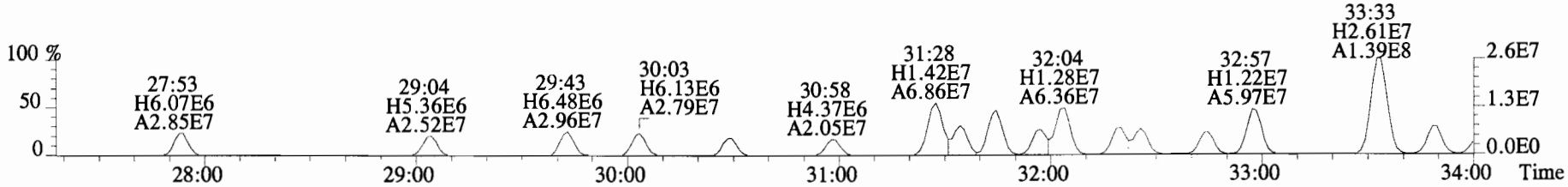

330.9792 S:5 F:3



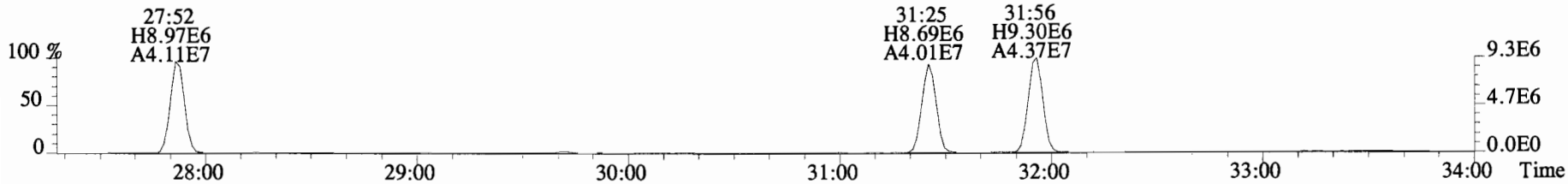
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24292.0,0.00%,F,F)



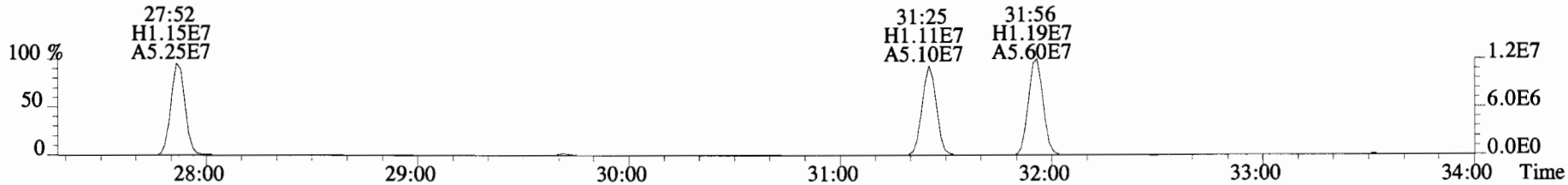

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26184.0,0.00%,F,F)



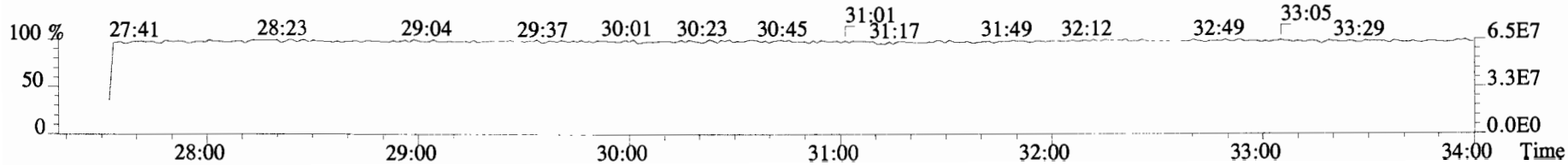

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,32720.0,0.00%,F,F)



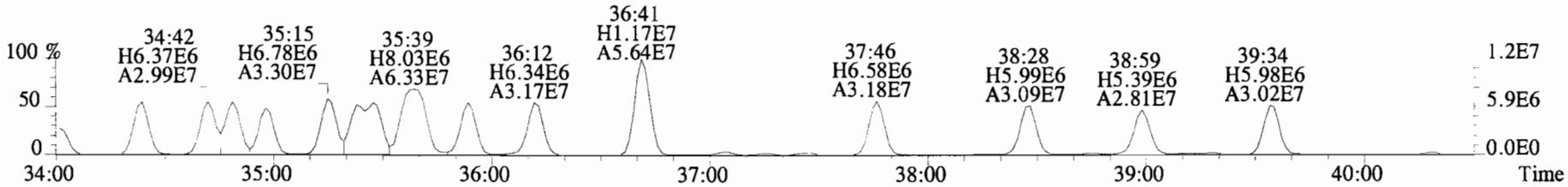

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19244.0,0.00%,F,F)



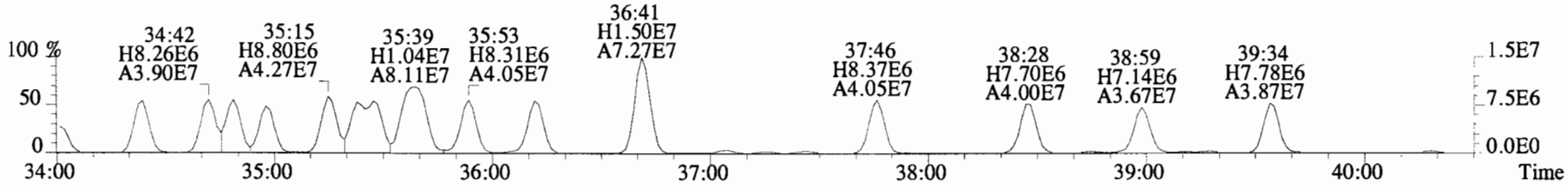

330.9792 S:5 F:3



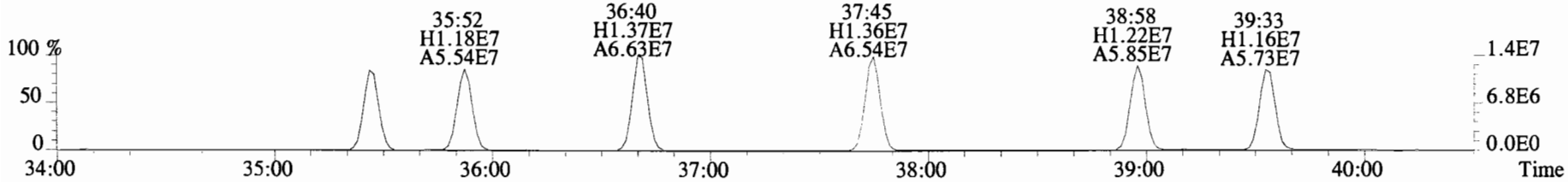
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24292.0,0.00%,F,F)



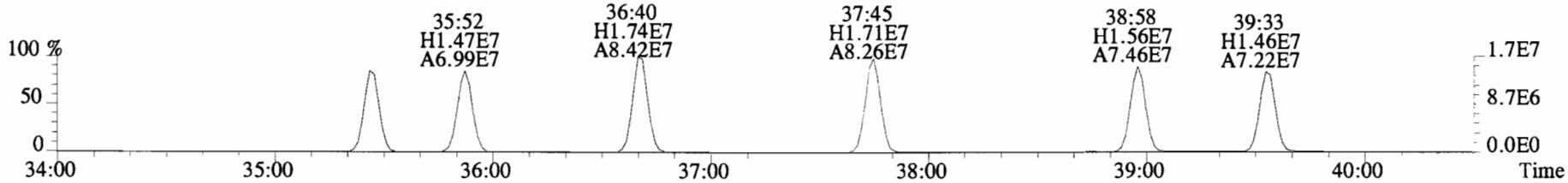

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26184.0,0.00%,F,F)



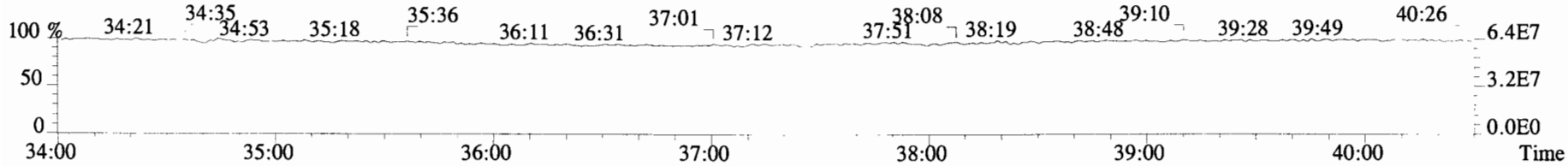

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,32720.0,0.00%,F,F)



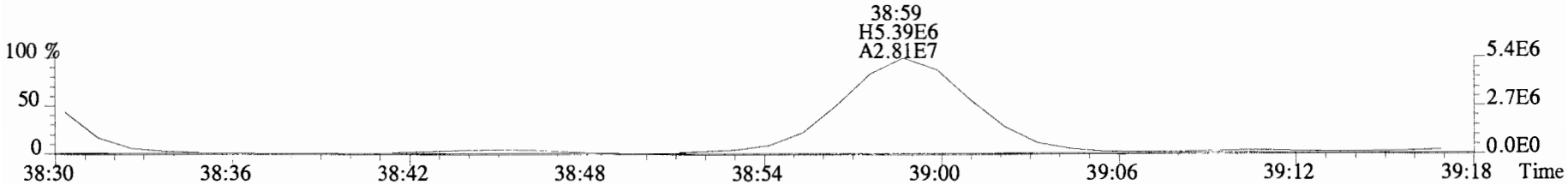

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19244.0,0.00%,F,F)



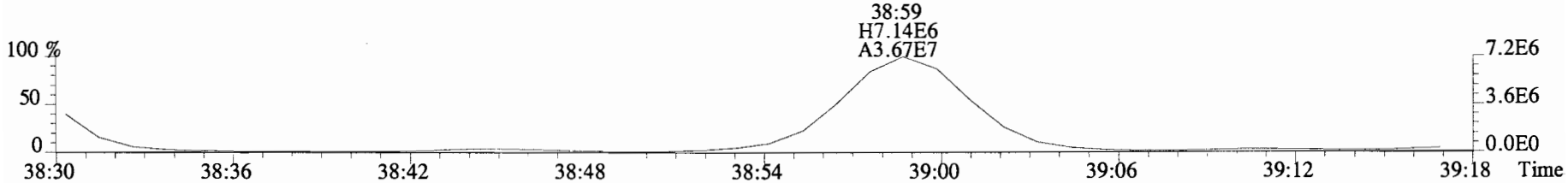

330.9792 S:5 F:3



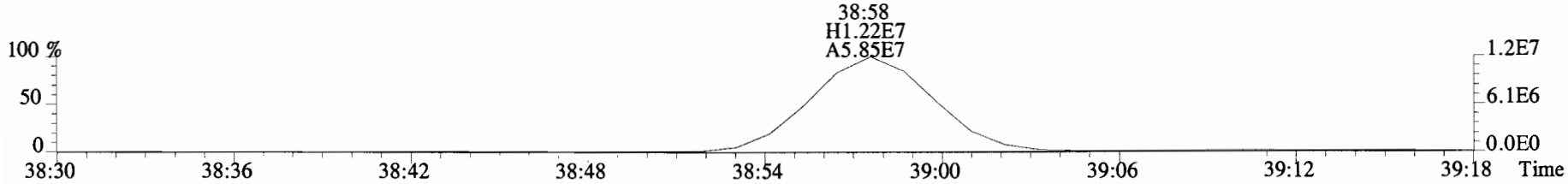
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24292.0,0.00%,F,F)



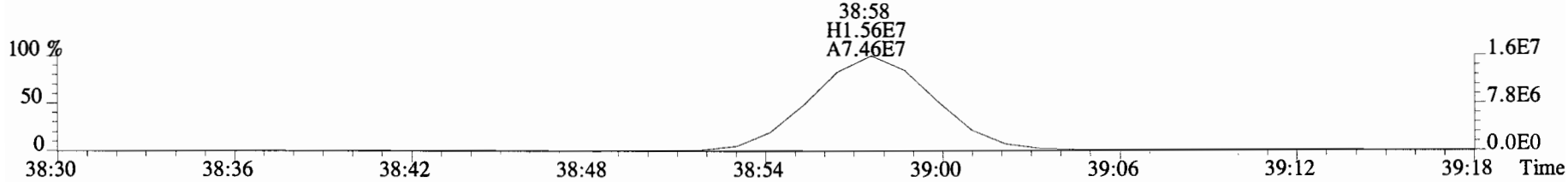

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26184.0,0.00%,F,F)



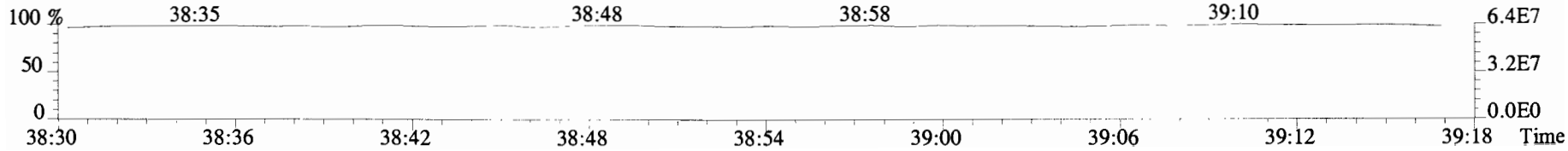

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,32720.0,0.00%,F,F)



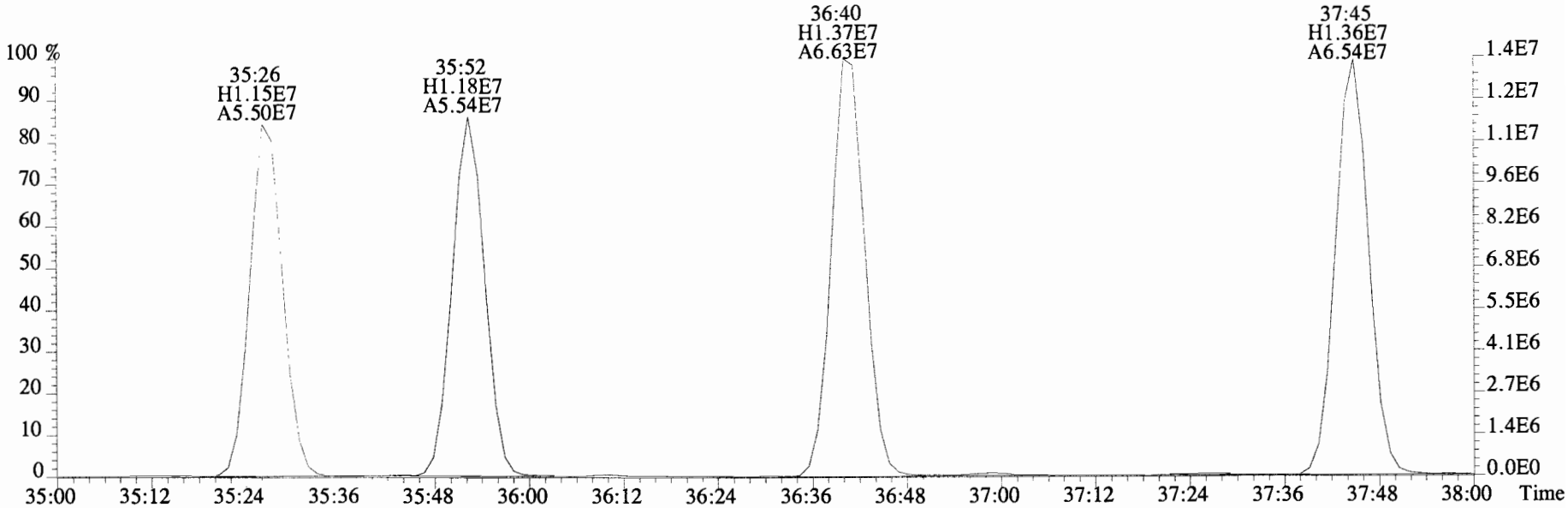

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19244.0,0.00%,F,F)



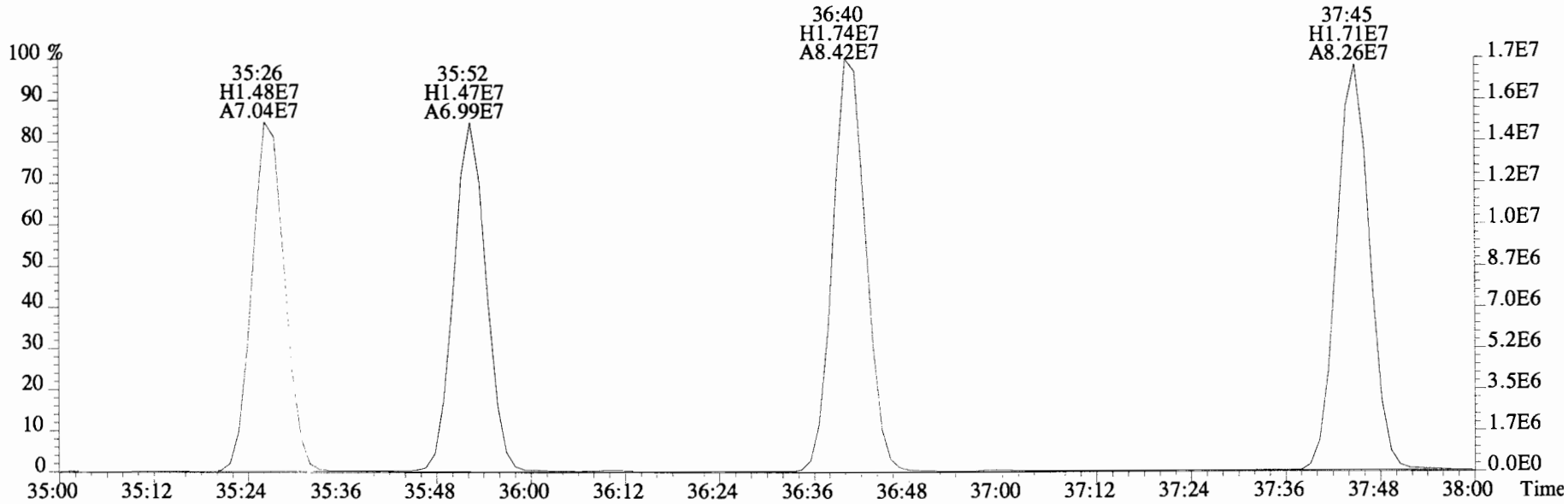

330.9792 S:5 F:3



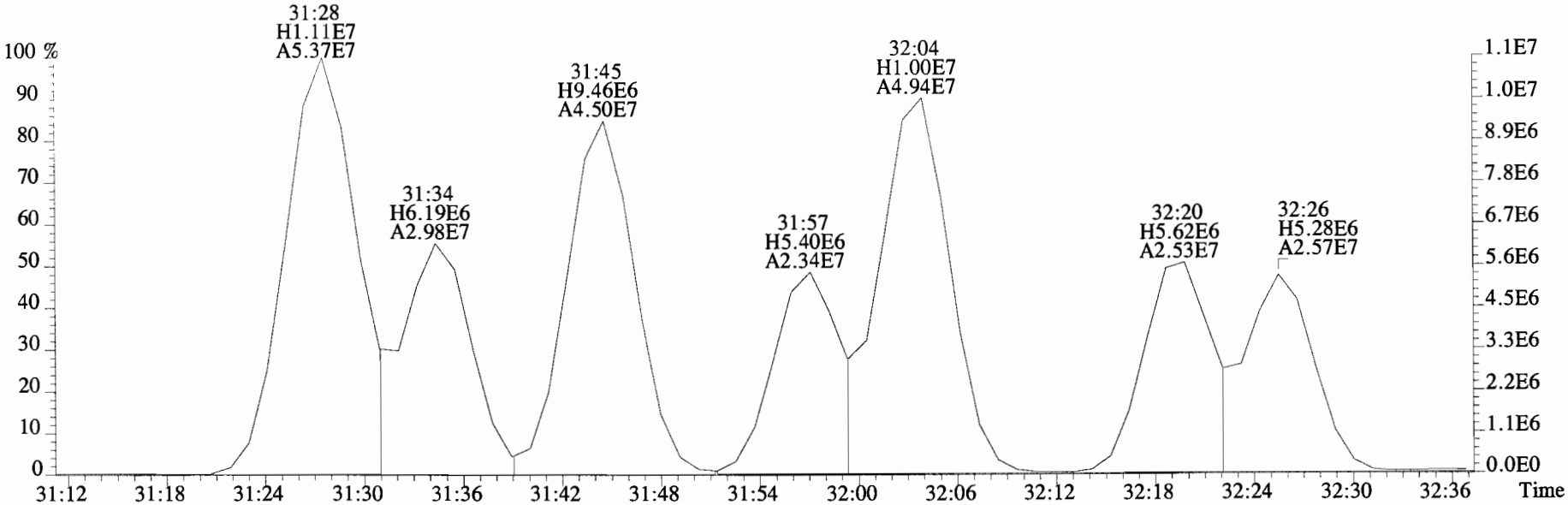
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,32720.0,0.00%,F,F)



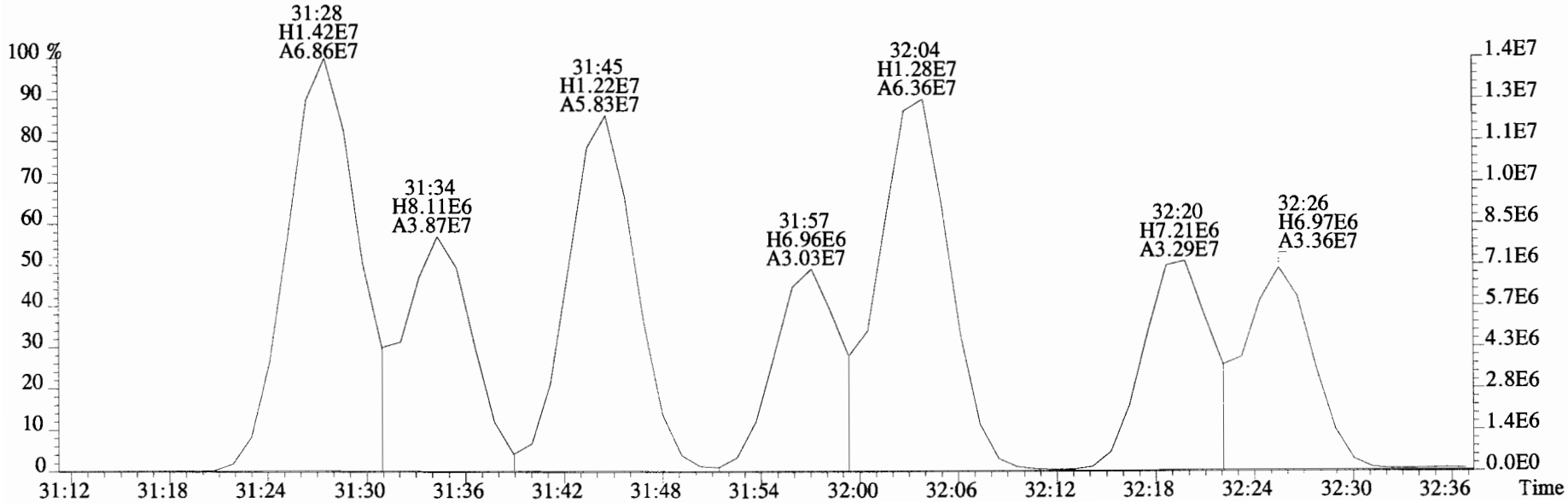

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19244.0,0.00%,F,F)



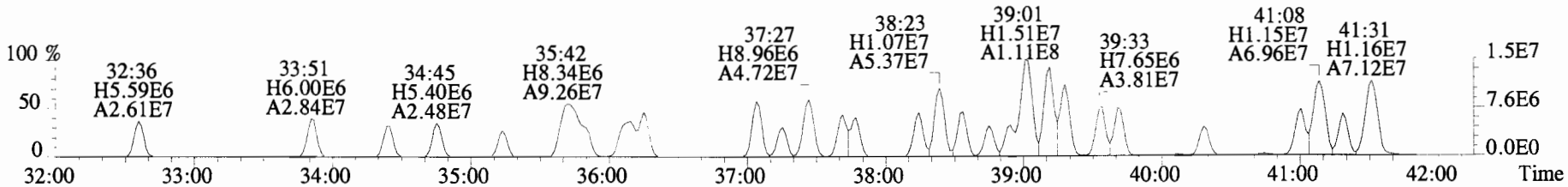
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24292.0,0.00%,F,F)



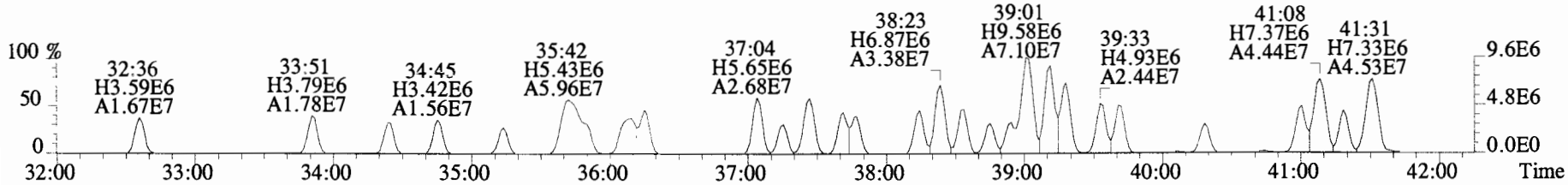

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26184.0,0.00%,F,F)



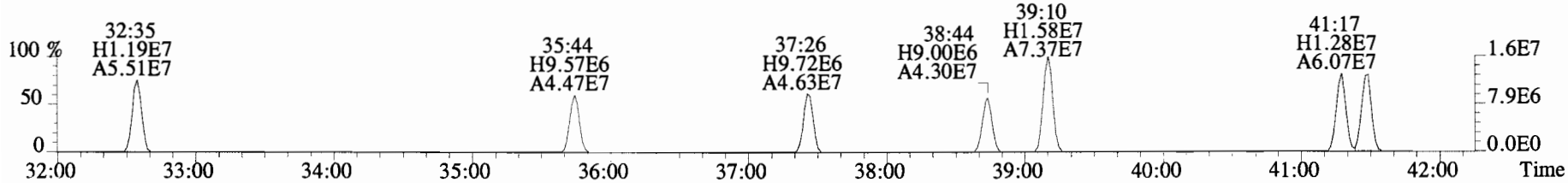
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1860.0,0.00%,F,F)



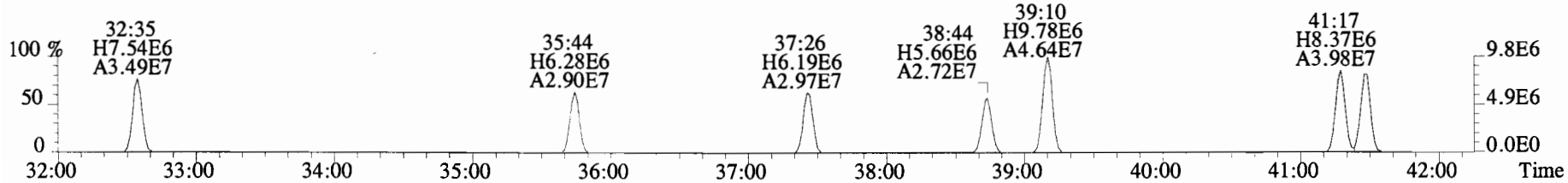

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1948.0,0.00%,F,F)



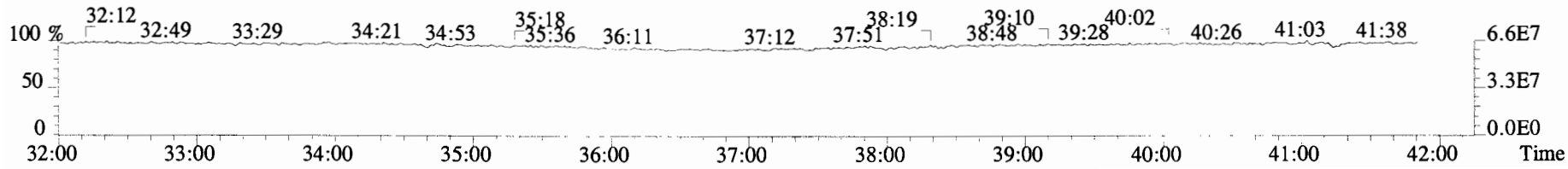

337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4424.0,0.00%,F,F)




339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3892.0,0.00%,F,F)

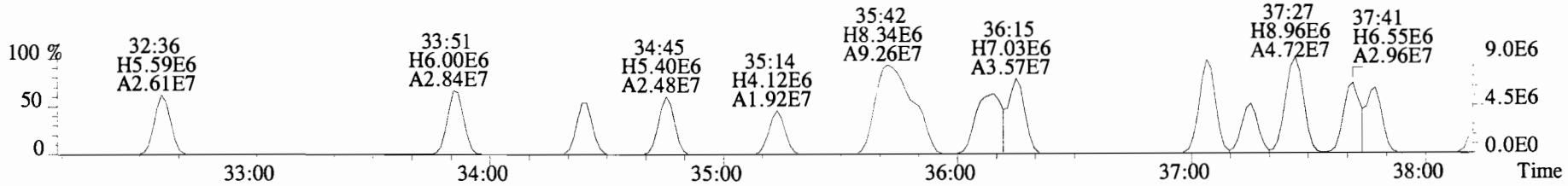



330.9792 S:5 F:3

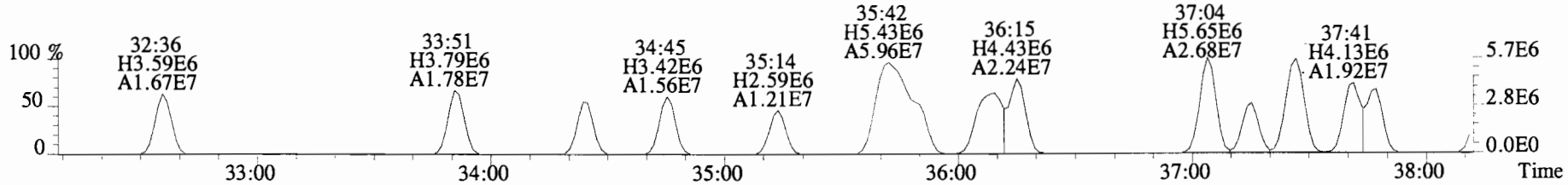


File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1

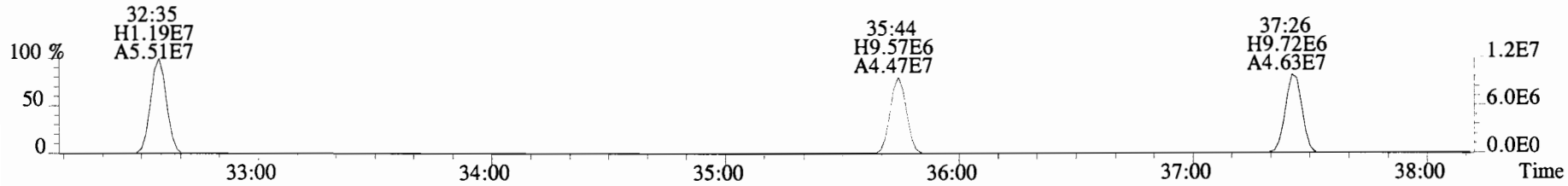
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1860.0,0.00%,F,F)



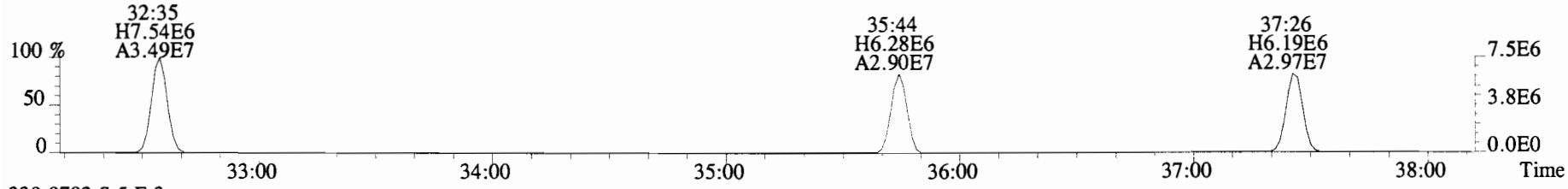

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1948.0,0.00%,F,F)



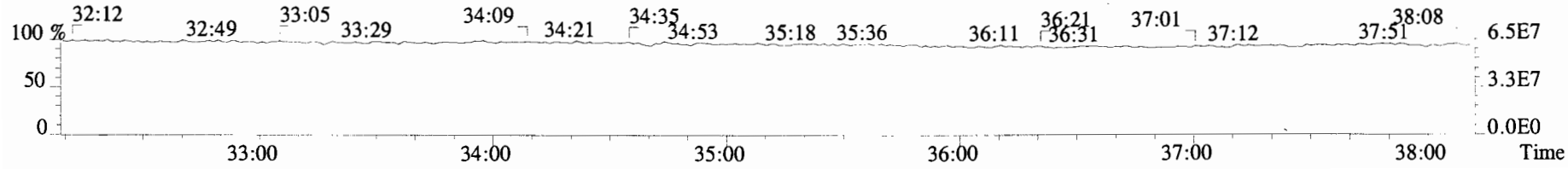

337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4424.0,0.00%,F,F)



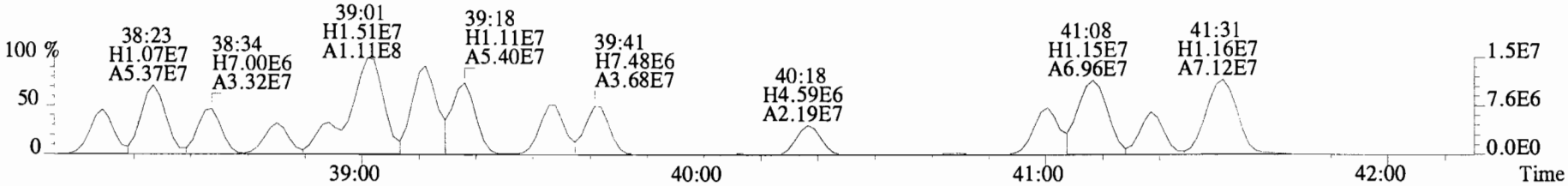

339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3892.0,0.00%,F,F)



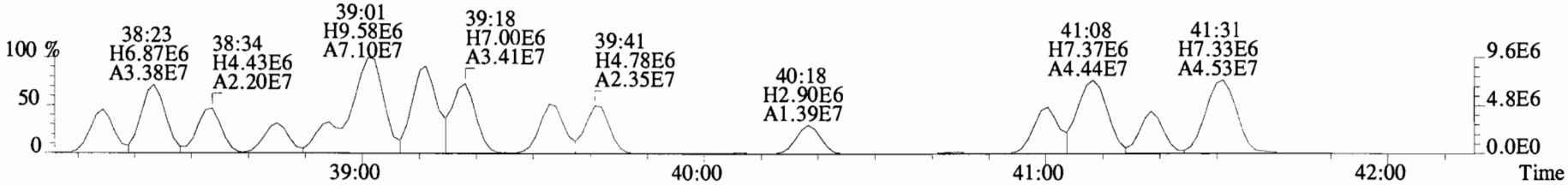

330.9792 S:5 F:3



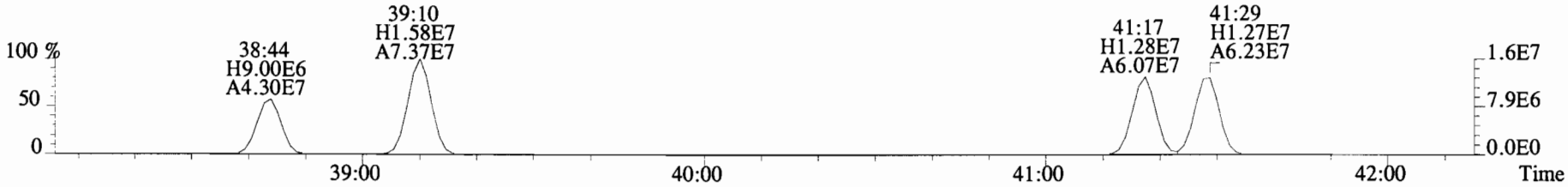
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1860.0,0.00%,F,F)



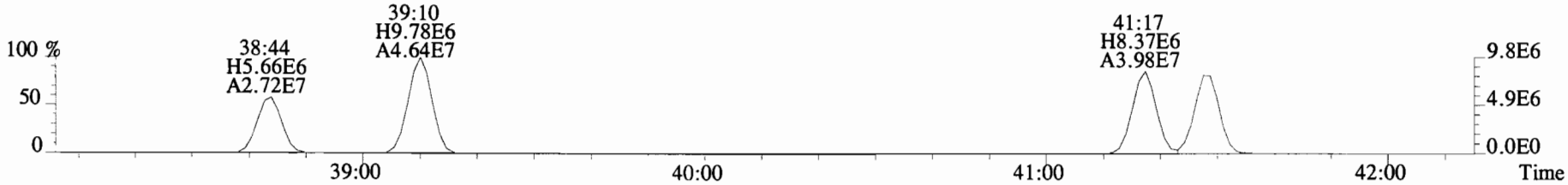

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1948.0,0.00%,F,F)



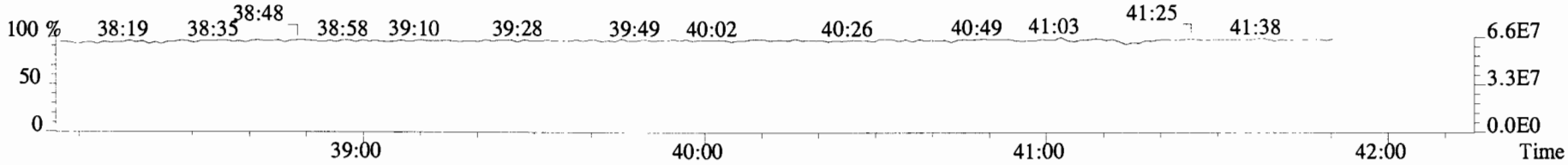

337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4424.0,0.00%,F,F)



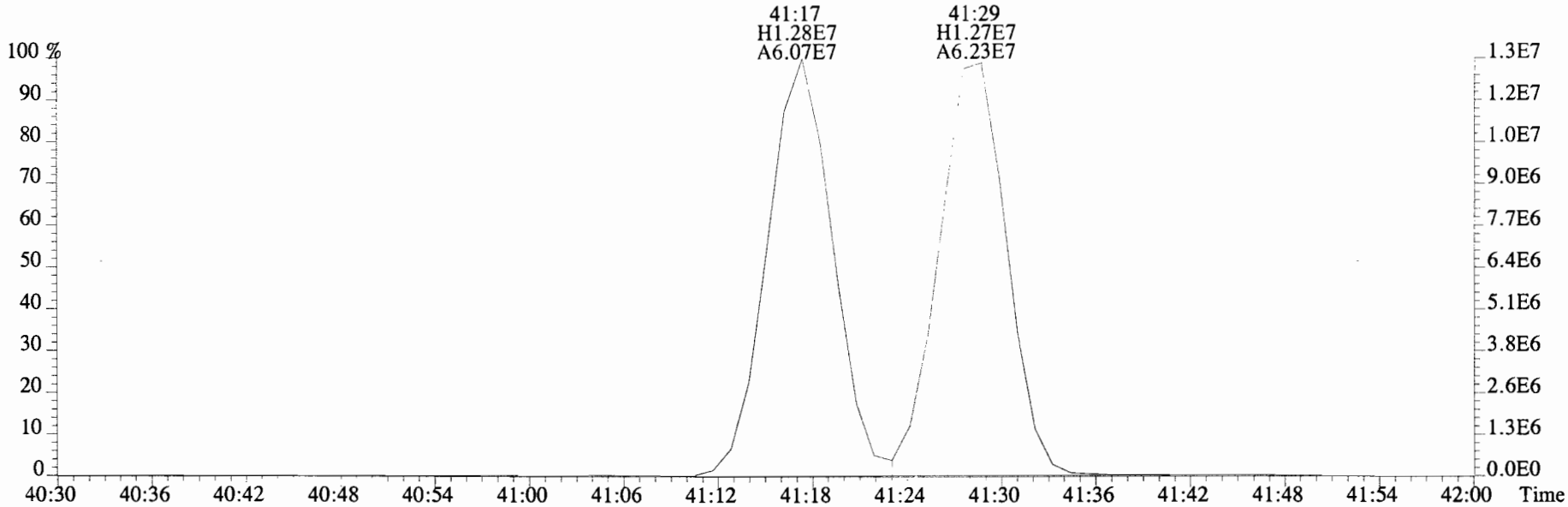

339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3892.0,0.00%,F,F)



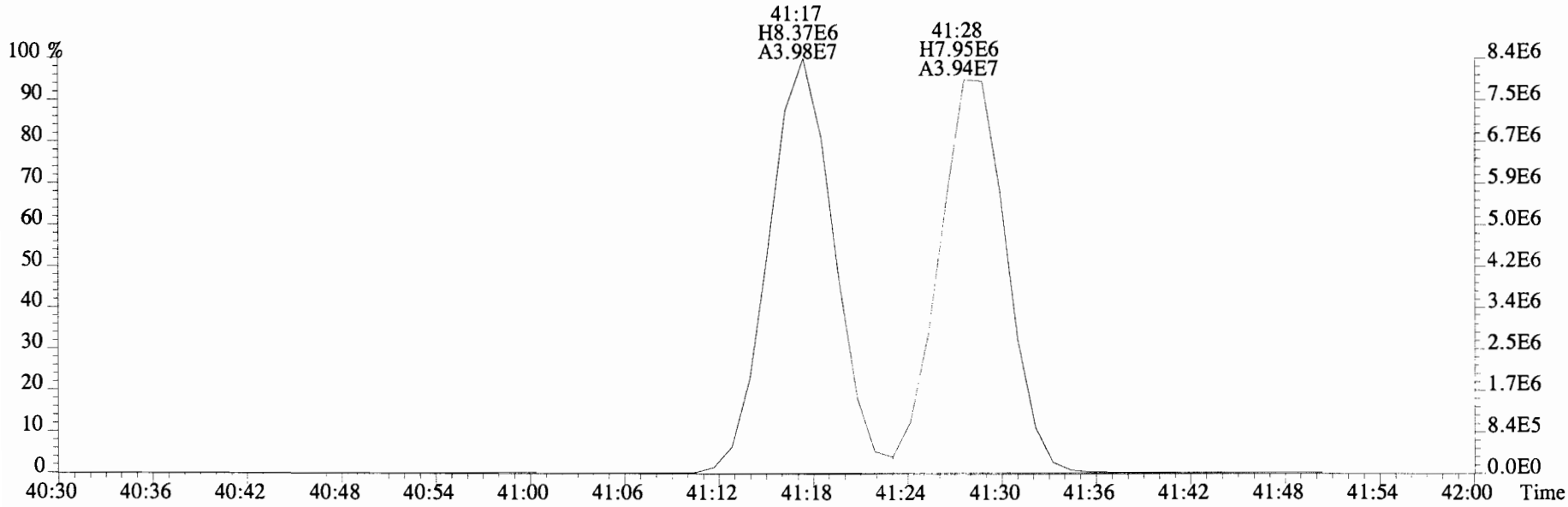

330.9792 S:5 F:3



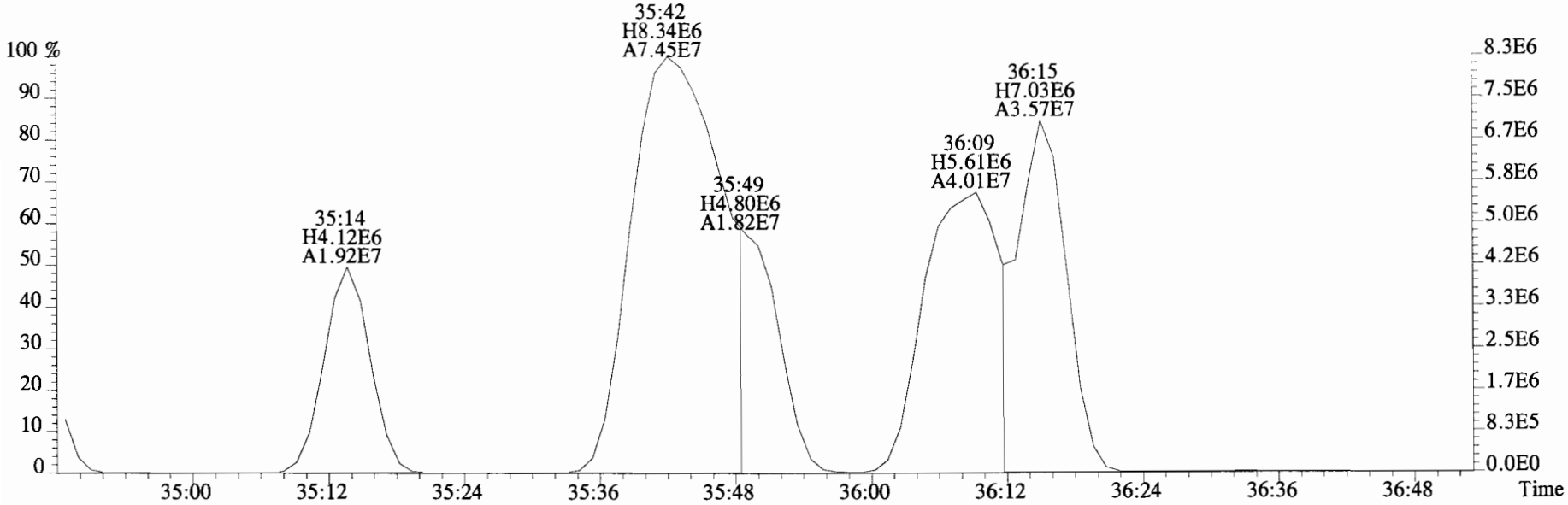
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4424.0,0.00%,F,F)



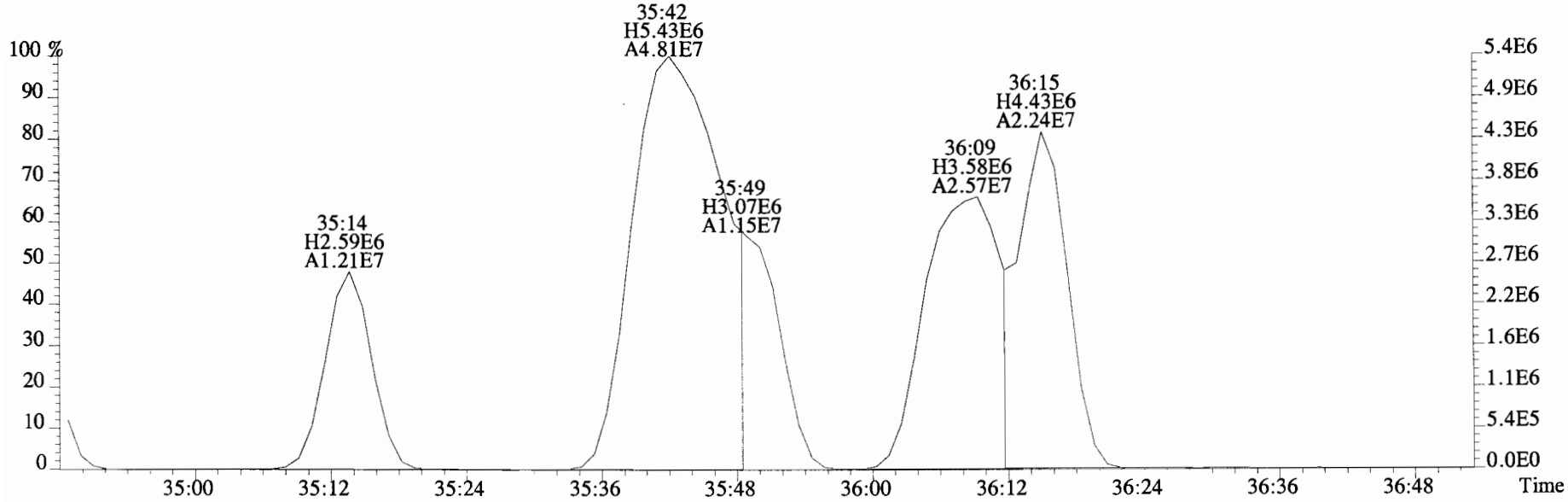

339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3892.0,0.00%,F,F)



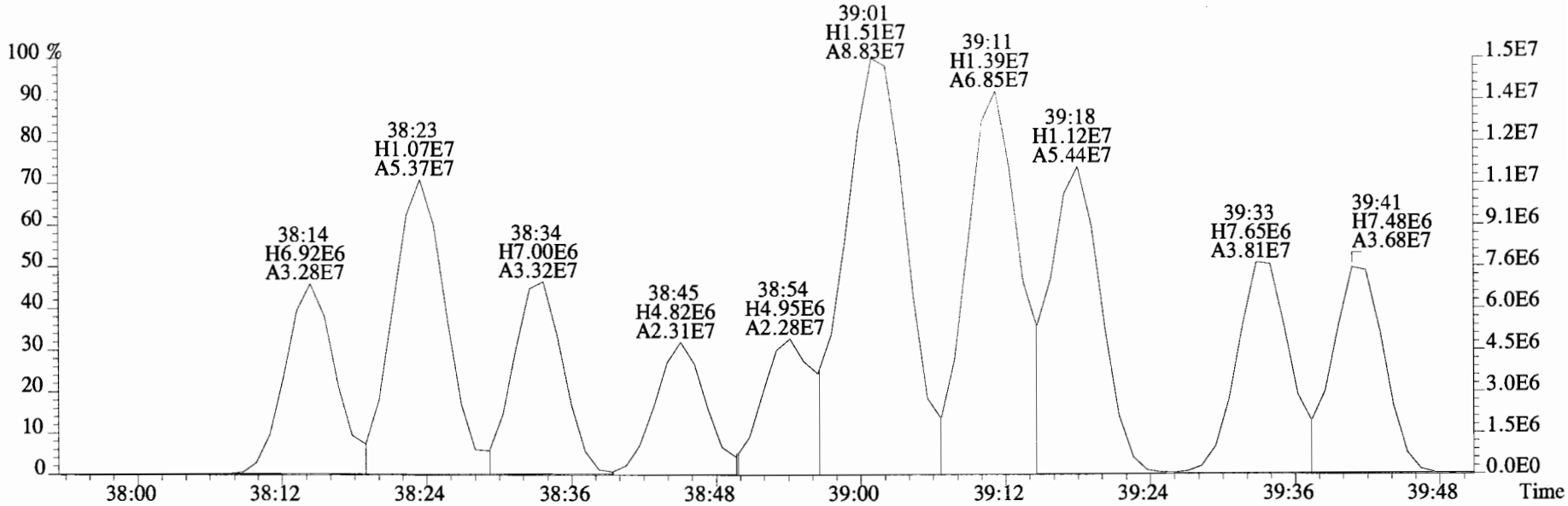
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1860.0,0.00%,F,F)



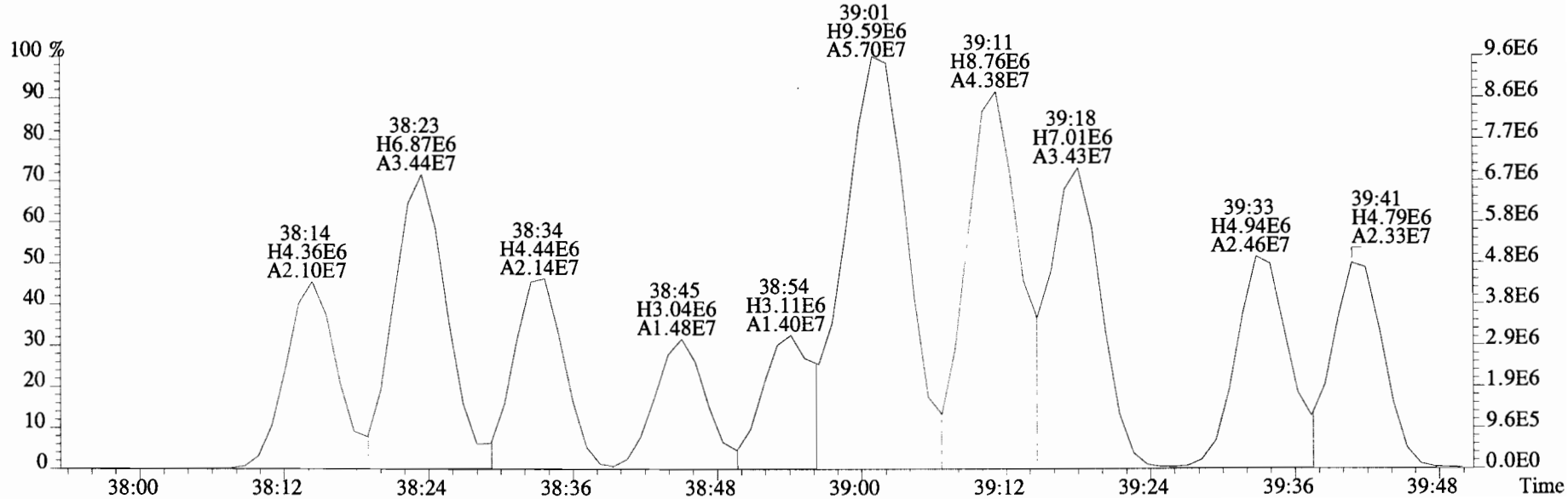

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1948.0,0.00%,F,F)



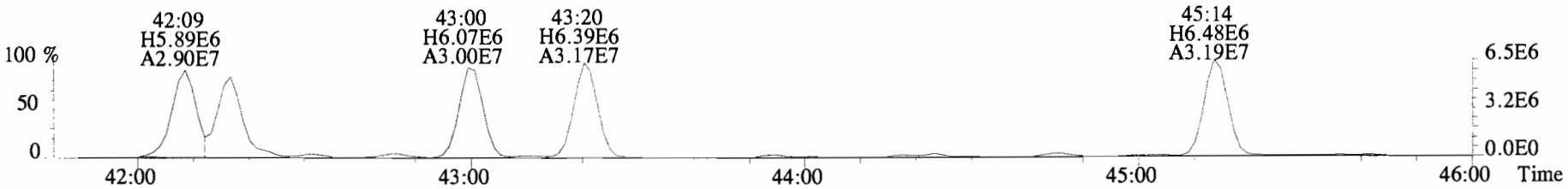
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1860.0,0.00%,F,F)



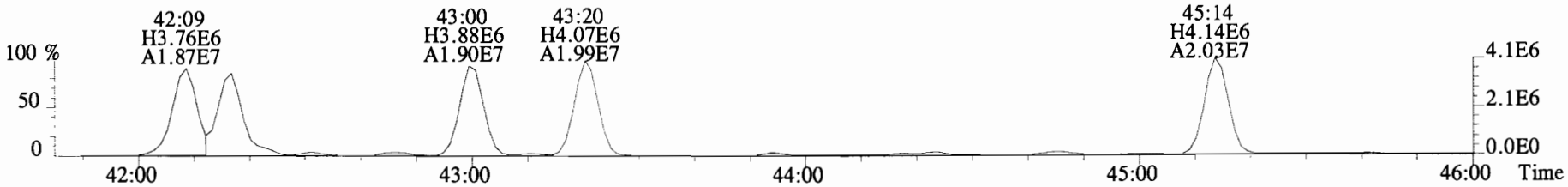

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1948.0,0.00%,F,F)



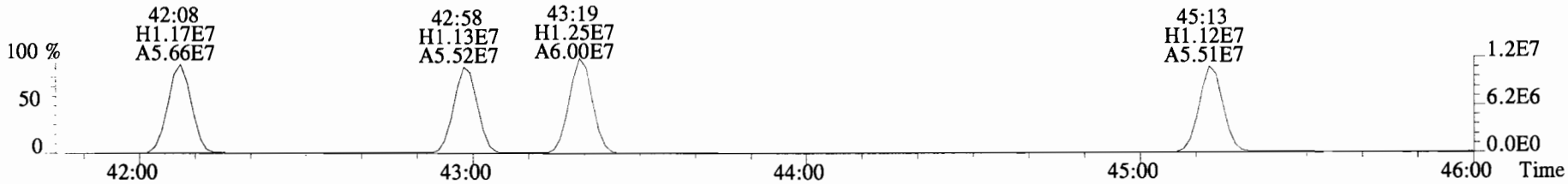
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
325.8804 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4028.0,0.00%,F,F)



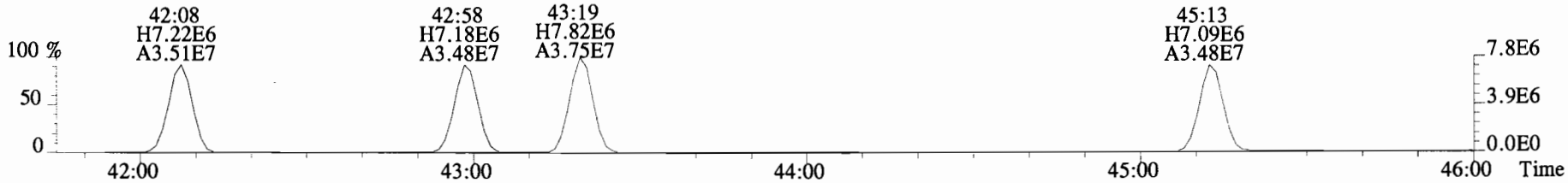

327.8775 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5768.0,0.00%,F,F)



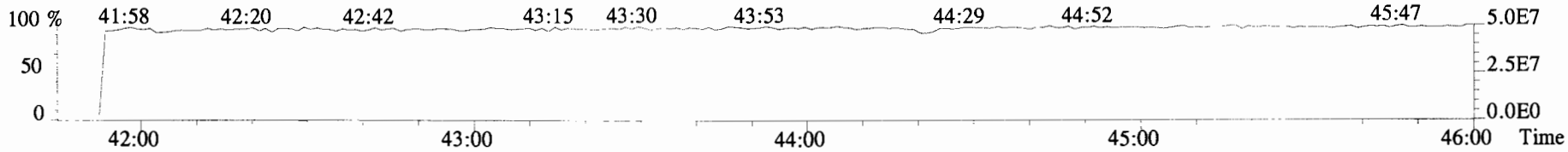

337.9207 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4888.0,0.00%,F,F)



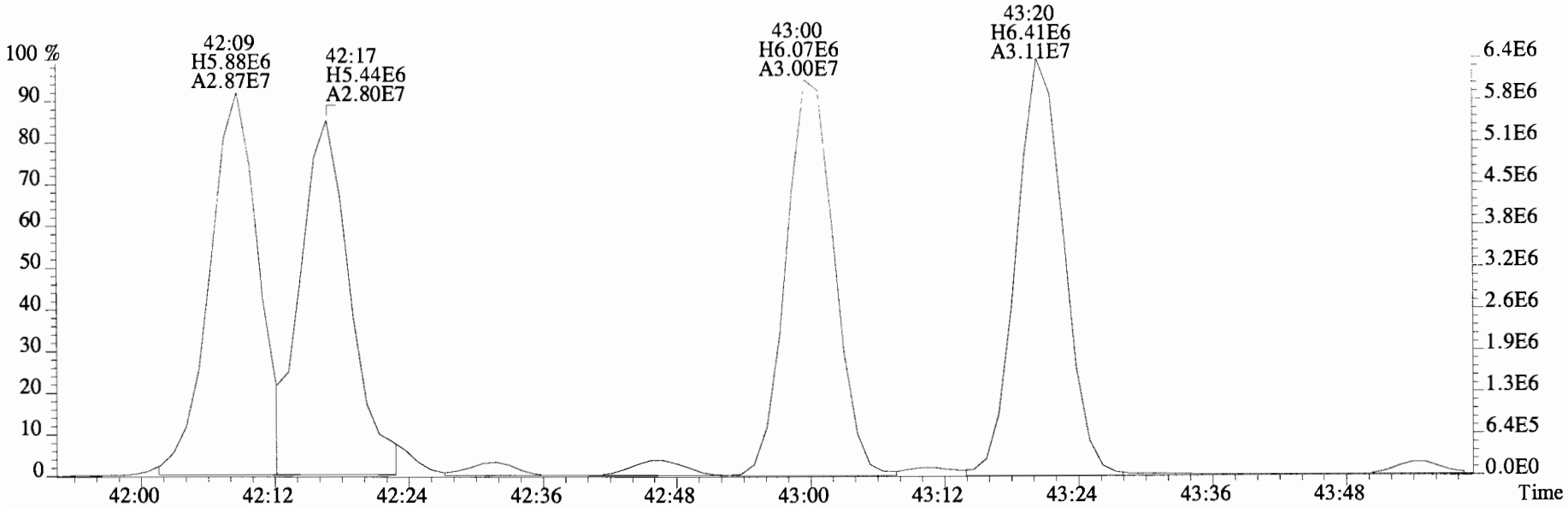

339.9177 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5808.0,0.00%,F,F)



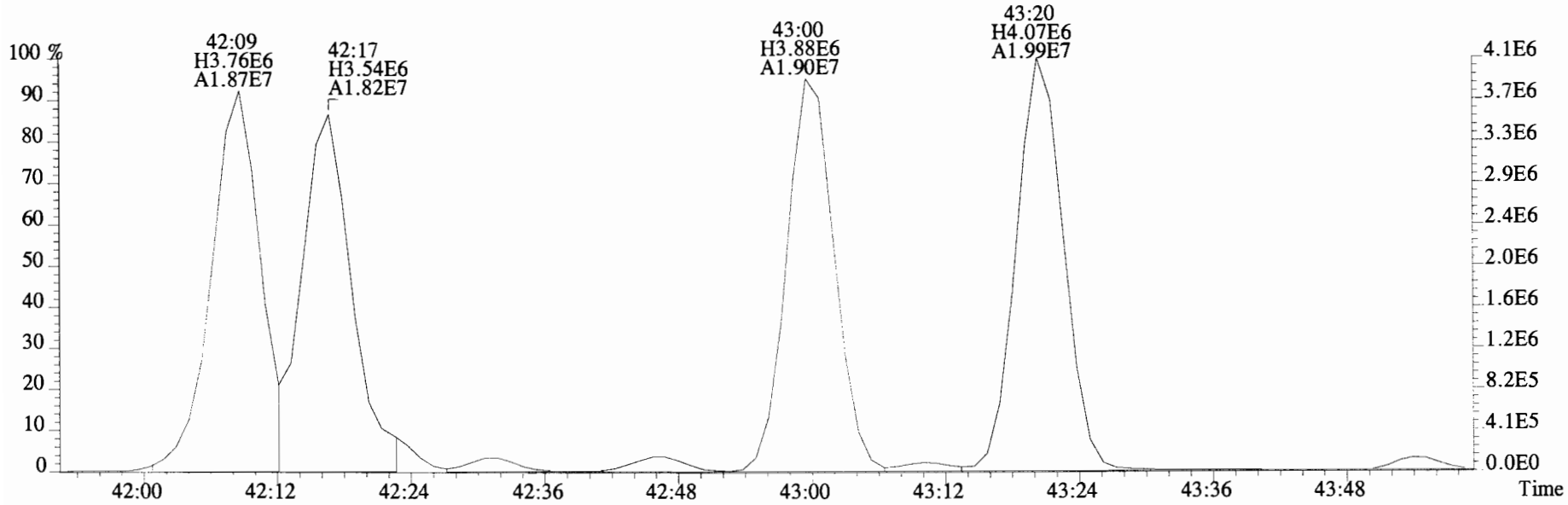

380.9760 S:5 F:4



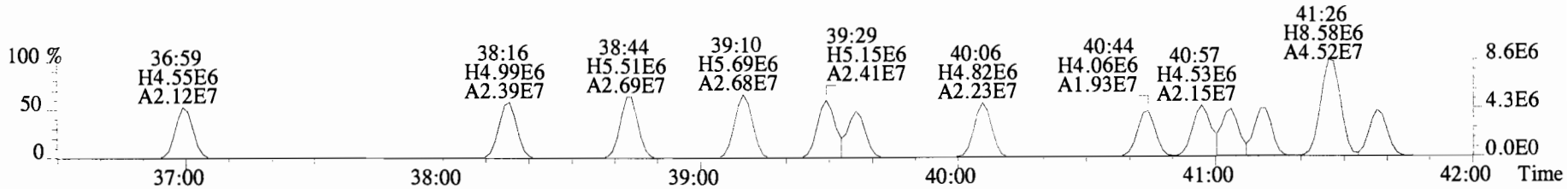
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
325.8804 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4028.0,0.00%,F,F)



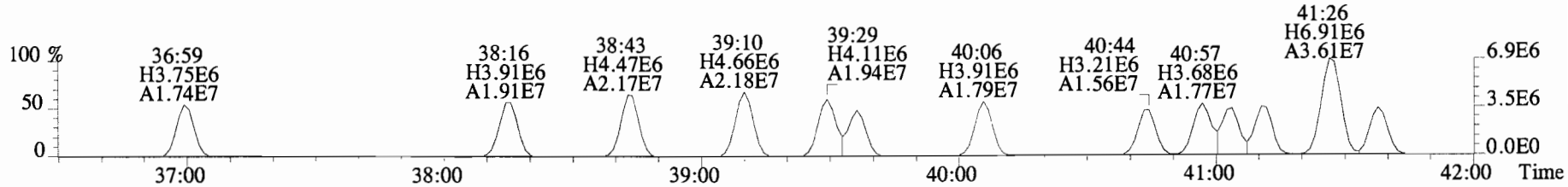

327.8775 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5768.0,0.00%,F,F)



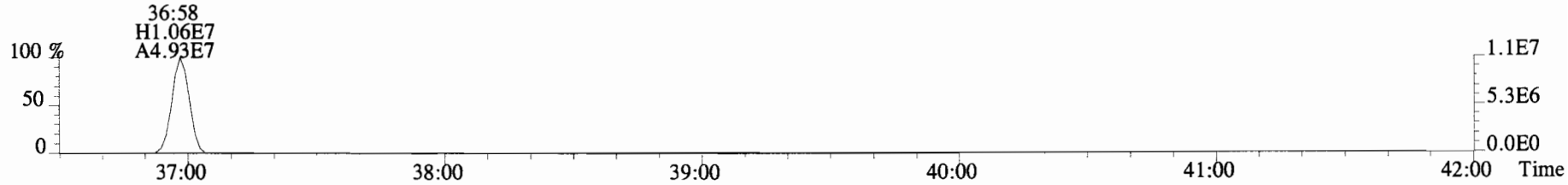
File:180409E1 #1-756 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
359.8415 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



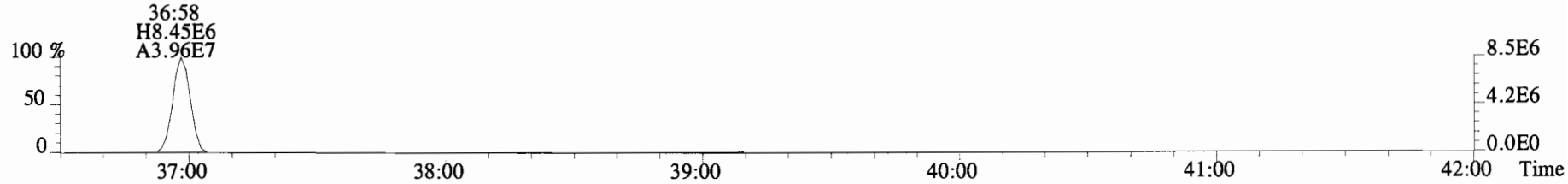

361.8385 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2032.0,0.00%,F,F)



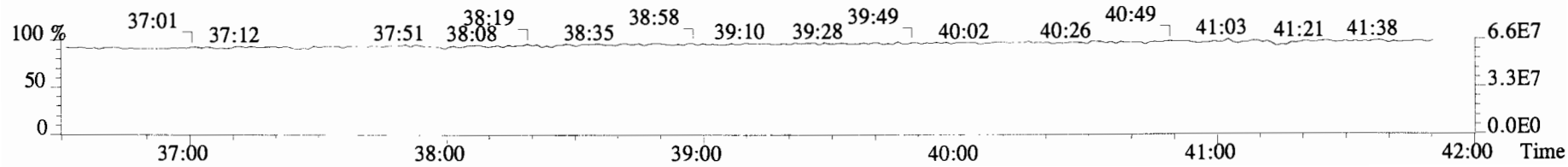

371.8817 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2460.0,0.00%,F,F)



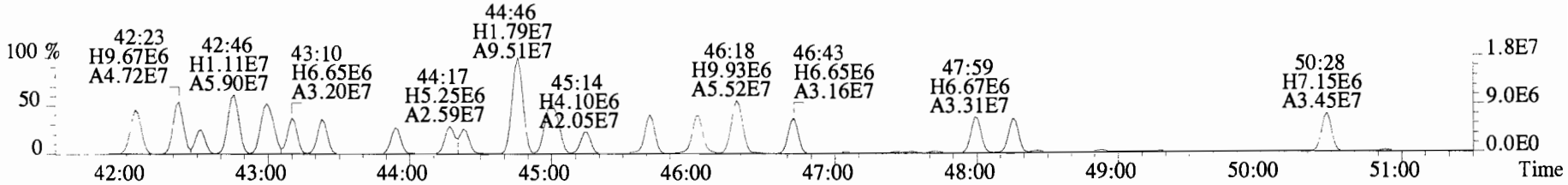

373.8788 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2504.0,0.00%,F,F)



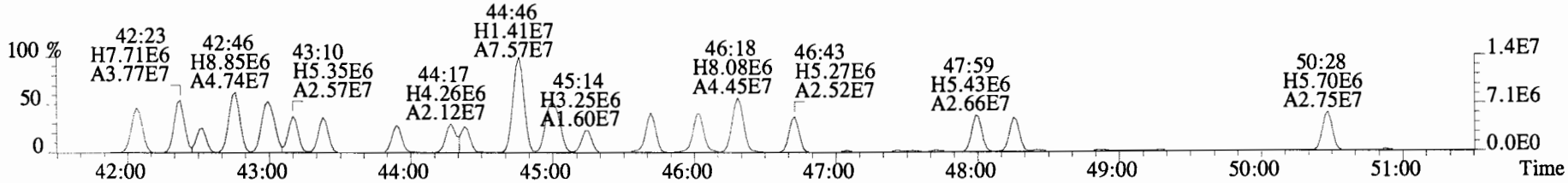

330.9792 S:5 F:3



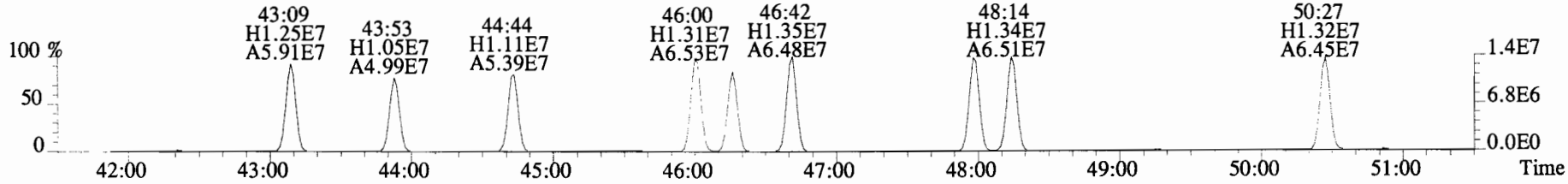
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
359.8415 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28428.0,0.00%,F,F)



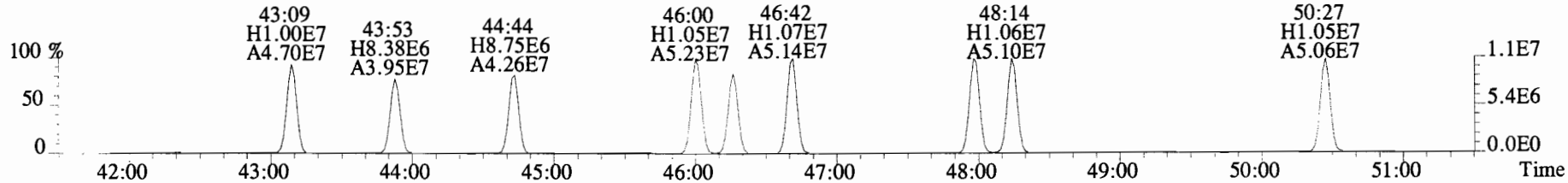

361.8385 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24060.0,0.00%,F,F)



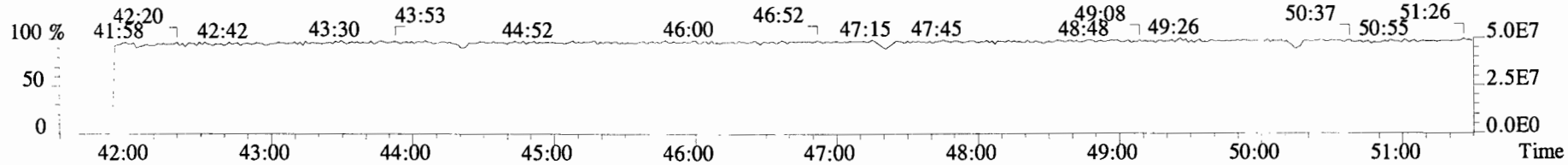

371.8817 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13172.0,0.00%,F,F)



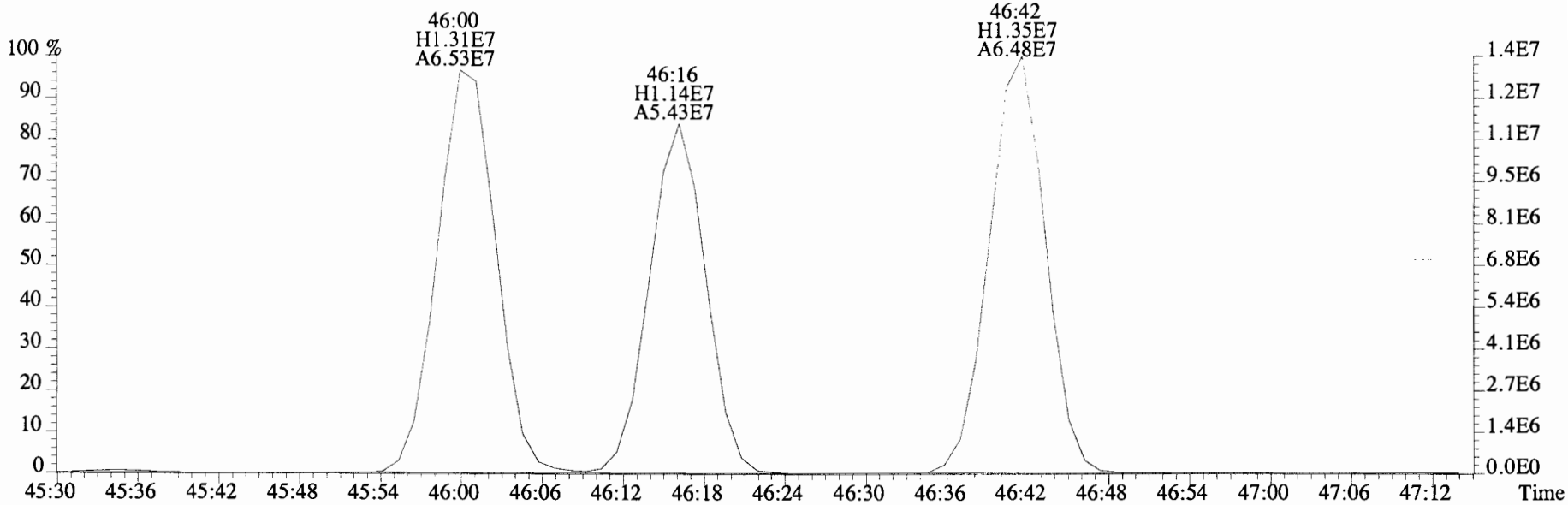

373.8788 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11912.0,0.00%,F,F)



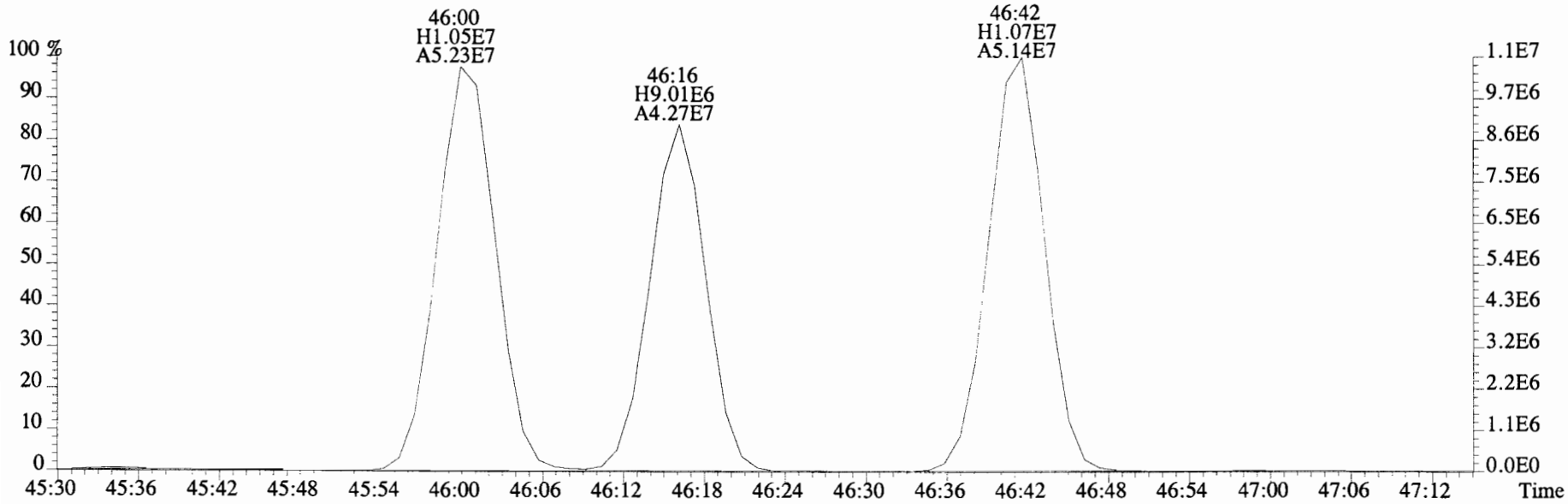

380.9760 S:5 F:4



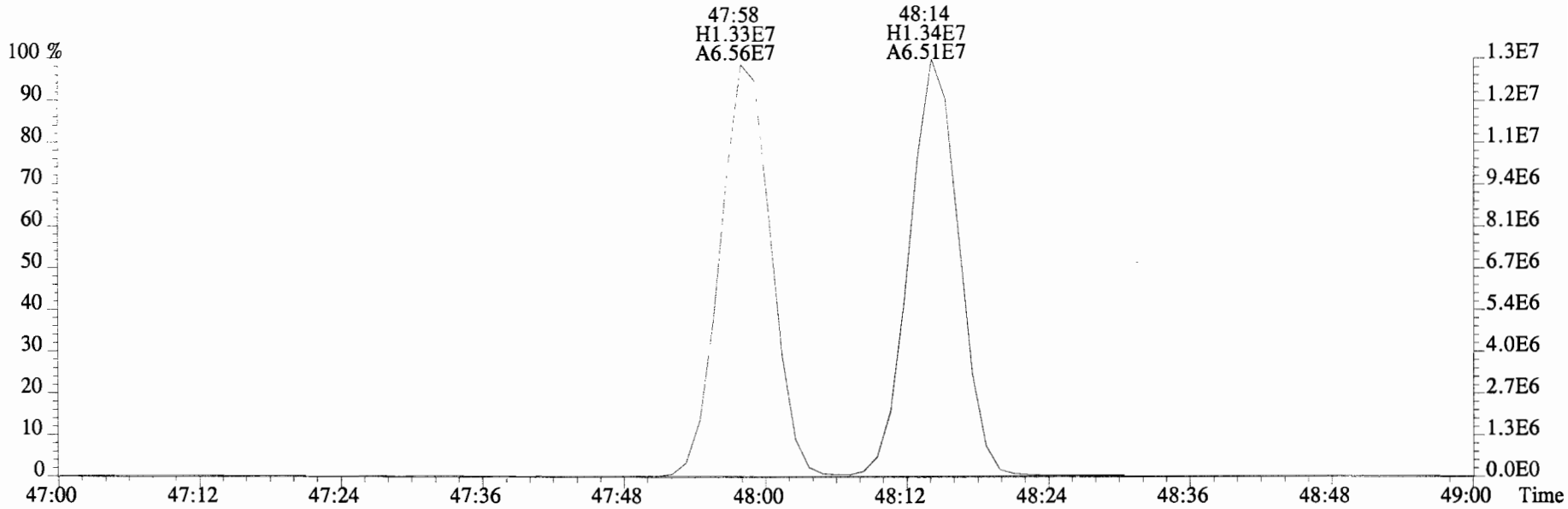
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
371.8817 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13172.0,0.00%,F,F)



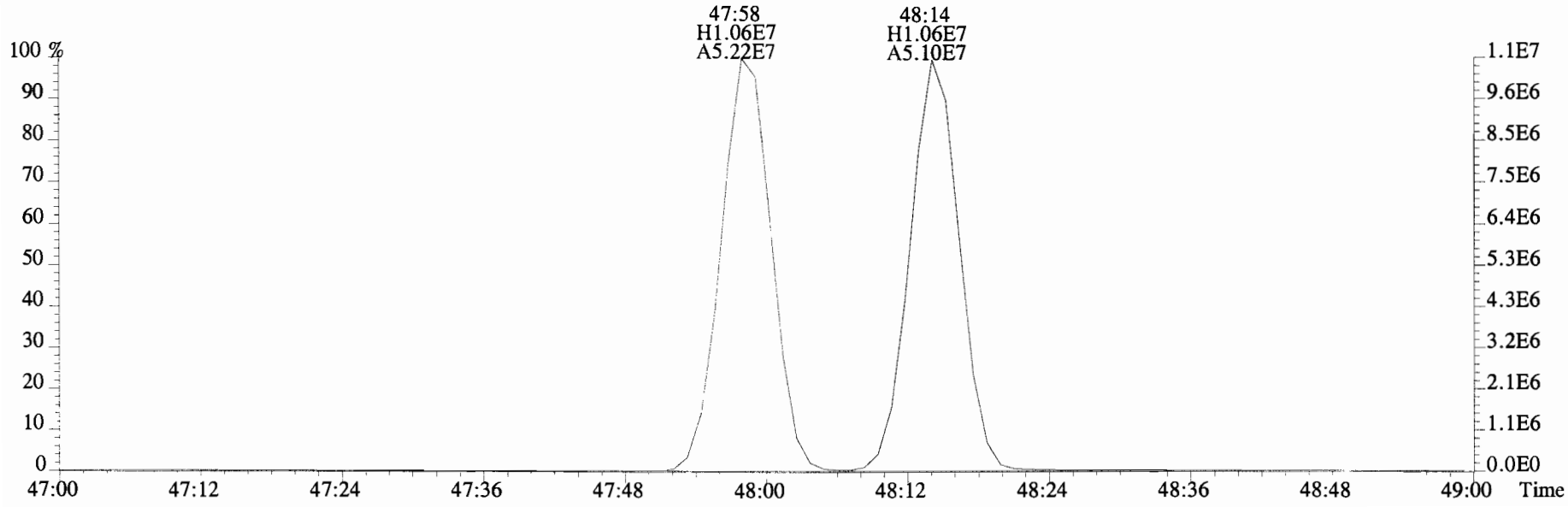

373.8788 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11912.0,0.00%,F,F)



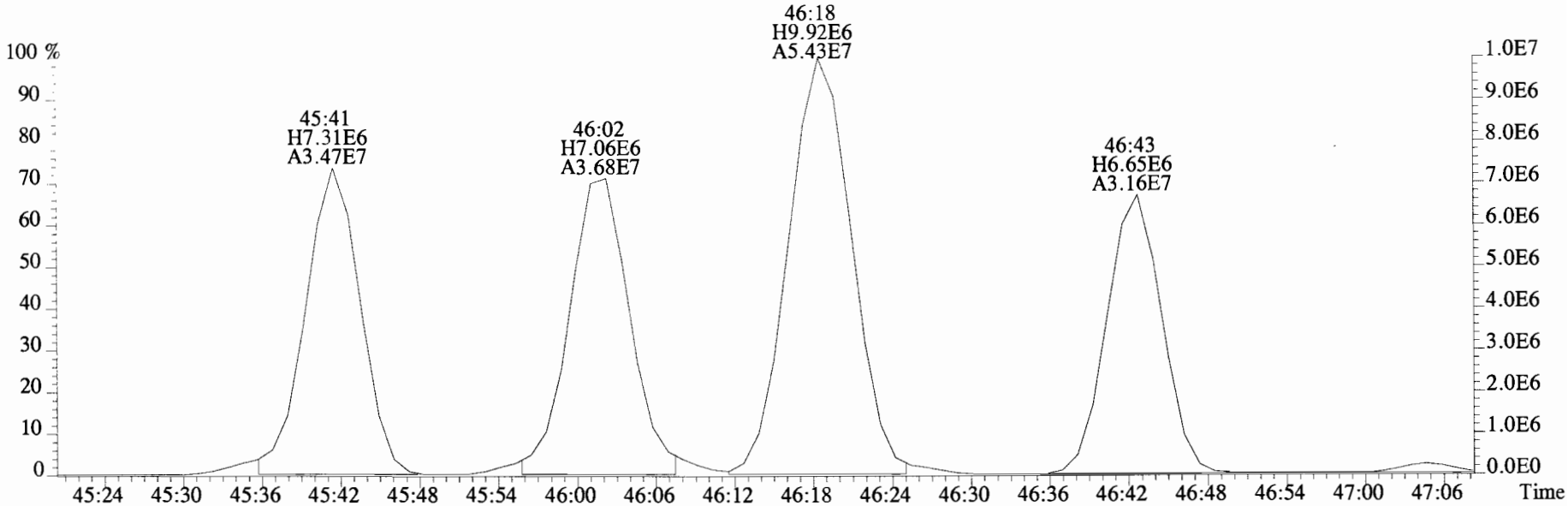
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
371.8817 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13172.0,0.00%,F,F)



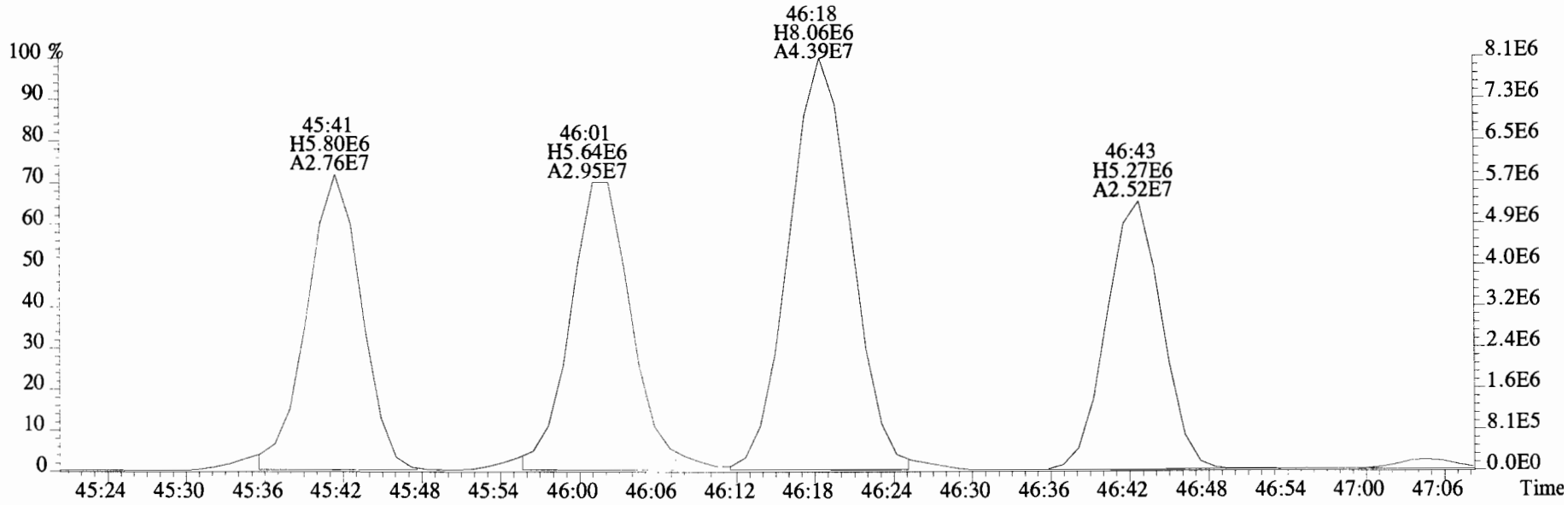

373.8788 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11912.0,0.00%,F,F)



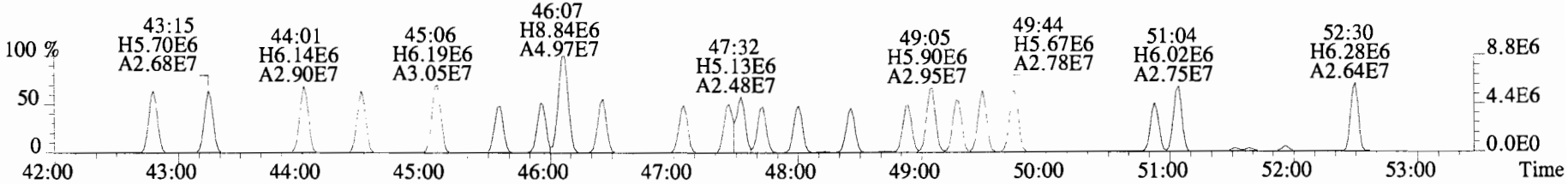
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
359.8415 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28428.0,0.00%,F,F)



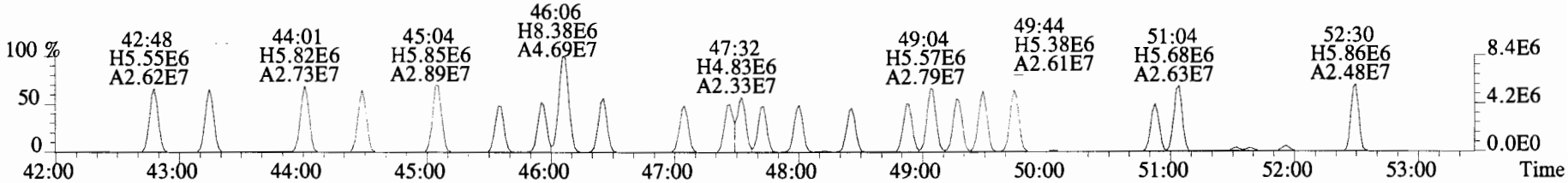

361.8385 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24060.0,0.00%,F,F)



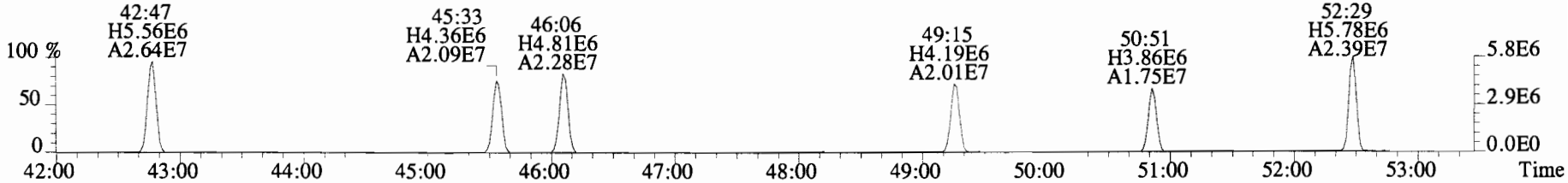
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
393.8025 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10836.0,0.00%,F,F)



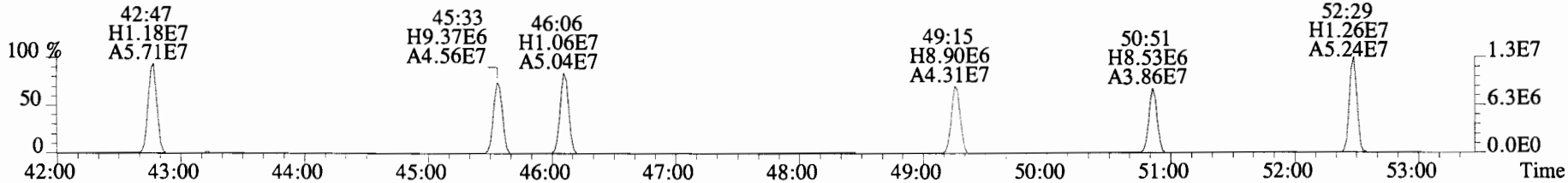

395.7995 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9944.0,0.00%,F,F)



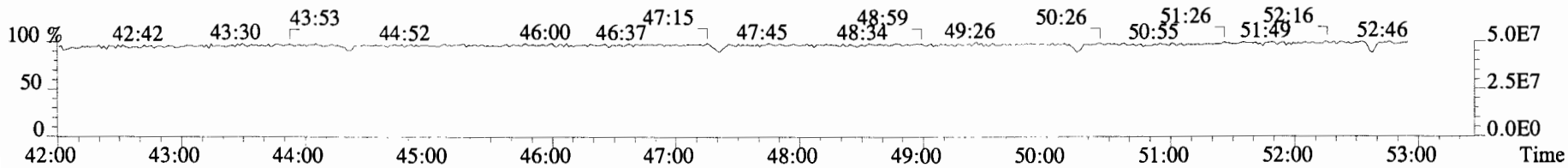

403.8457 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3724.0,0.00%,F,F)



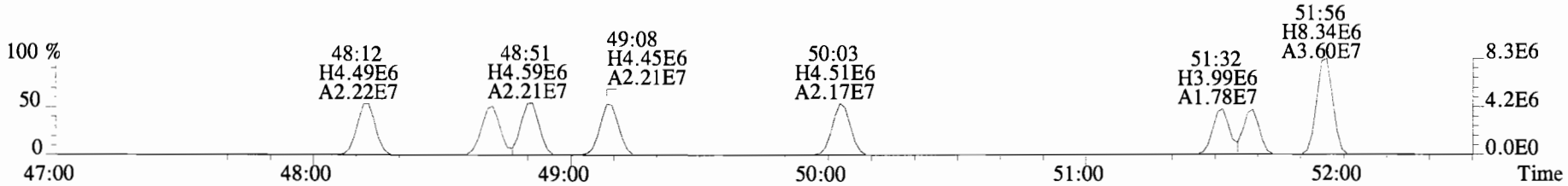

405.8428 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6532.0,0.00%,F,F)



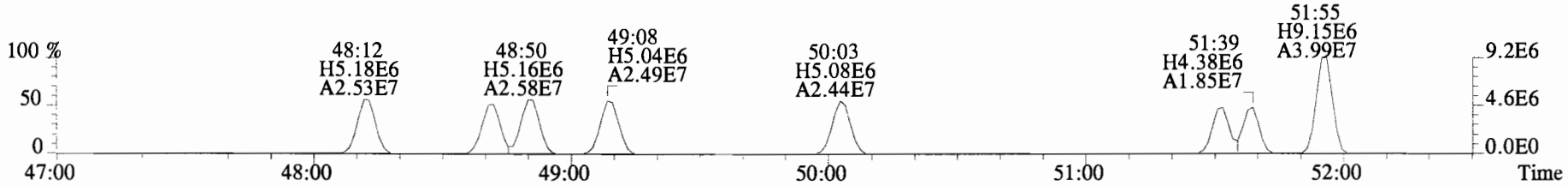

380.9760 S:5 F:4



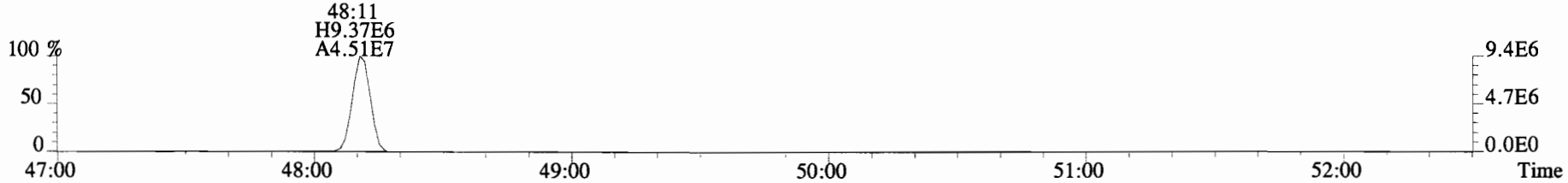
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
427.7635 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2536.0,0.00%,F,F)



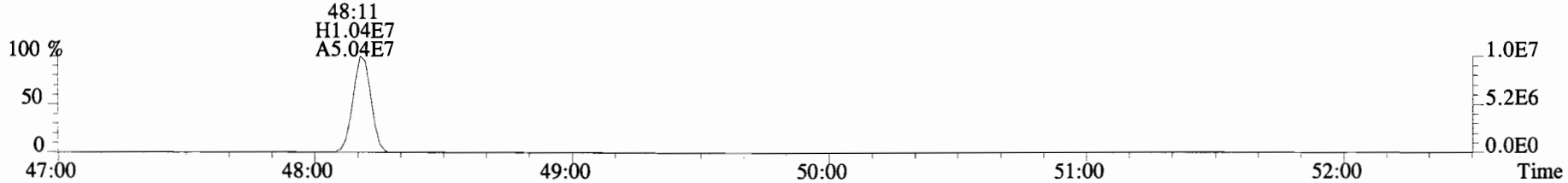

429.7606 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2048.0,0.00%,F,F)



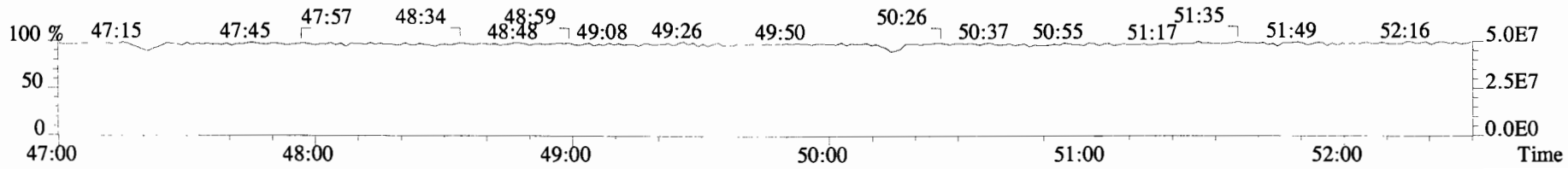

439.8038 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2036.0,0.00%,F,F)



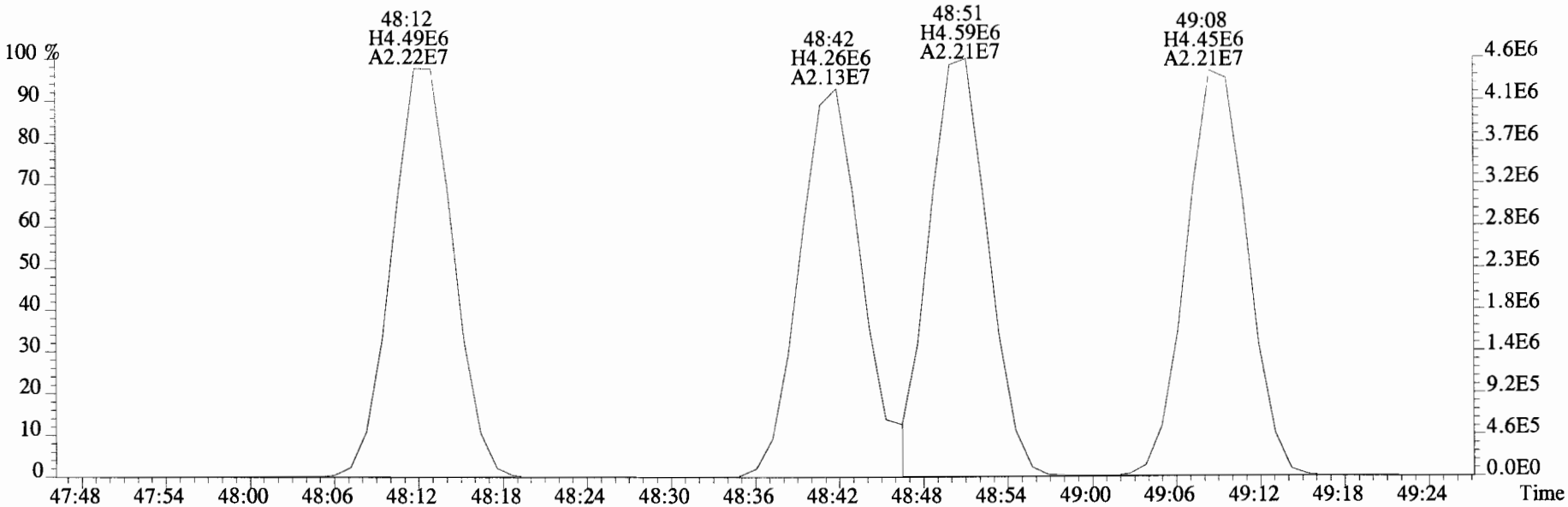

441.8008 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2060.0,0.00%,F,F)



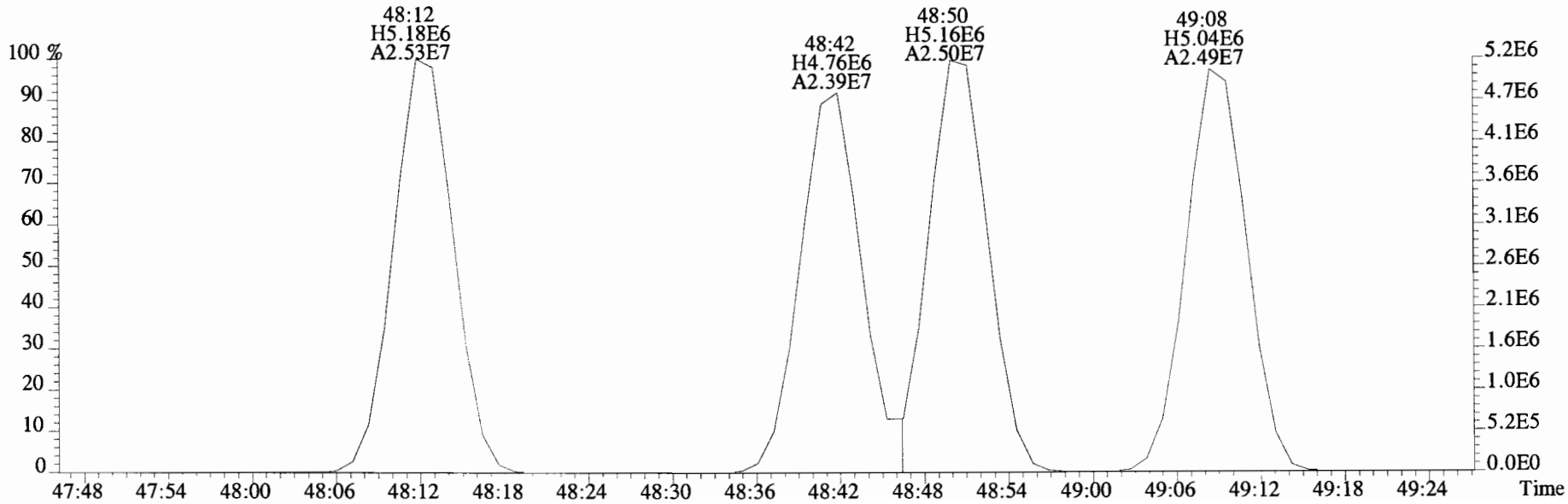

380.9760 S:5 F:4



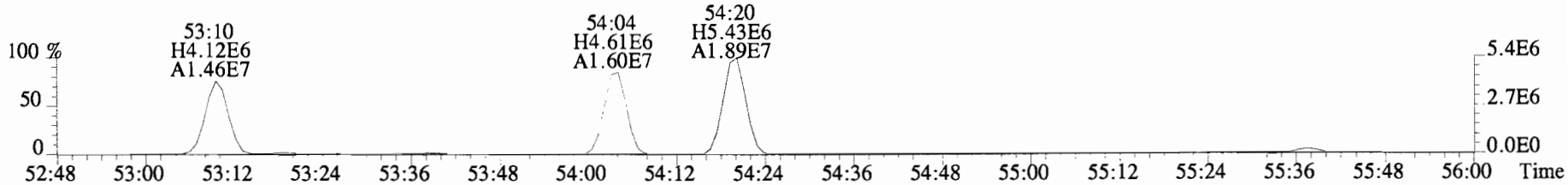
File:180409E1 #1-574 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
427.7635 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2536.0,0.00%,F,F)



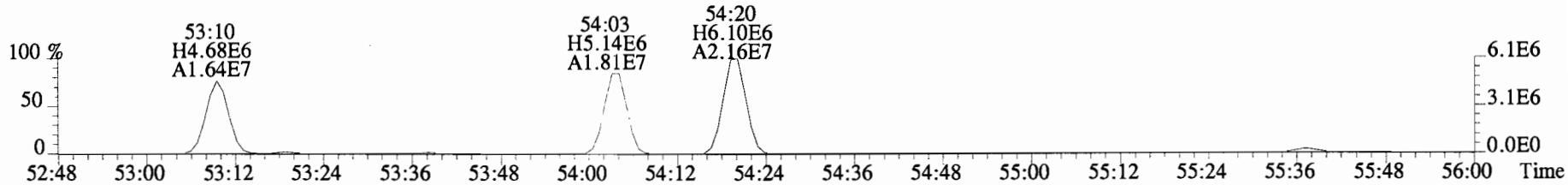

429.7606 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2048.0,0.00%,F,F)



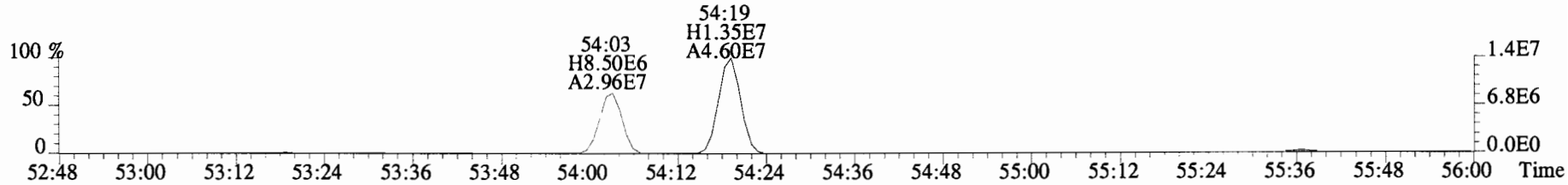
File:180409E1 #1-407 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1
427.7635 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2812.0,0.00%,F,F)



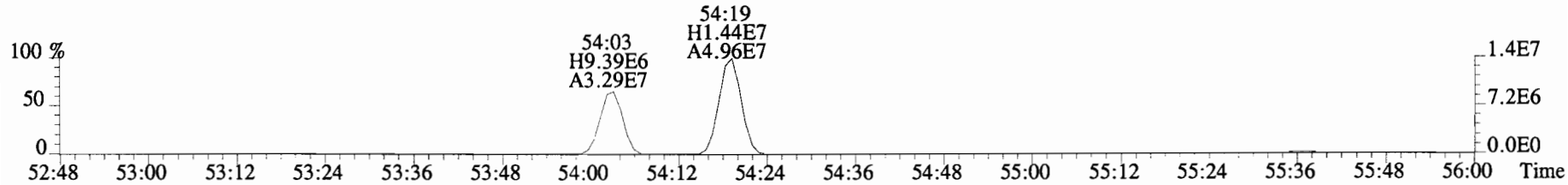

429.7606 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



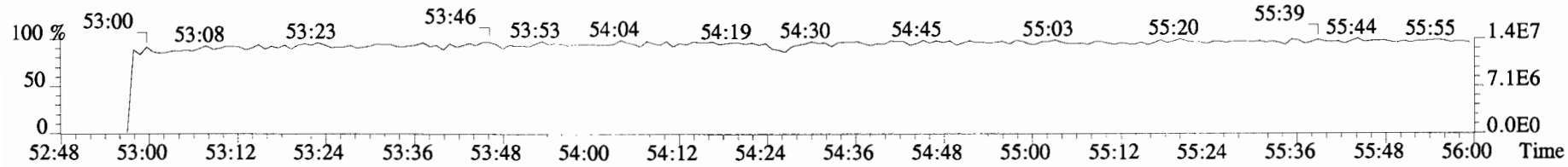

439.8038 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3576.0,0.00%,F,F)




441.8008 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3400.0,0.00%,F,F)

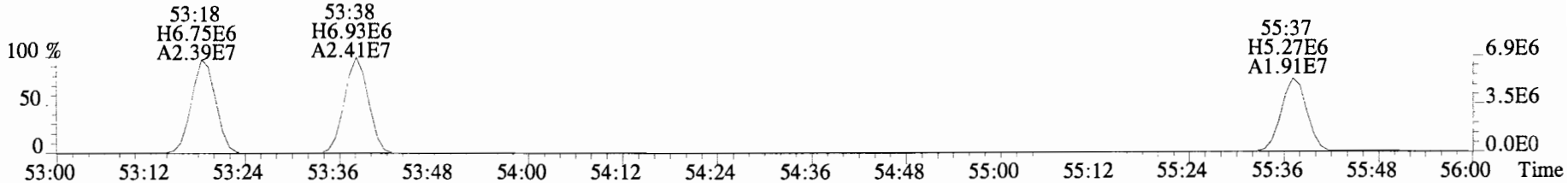



492.9697 S:5 F:5

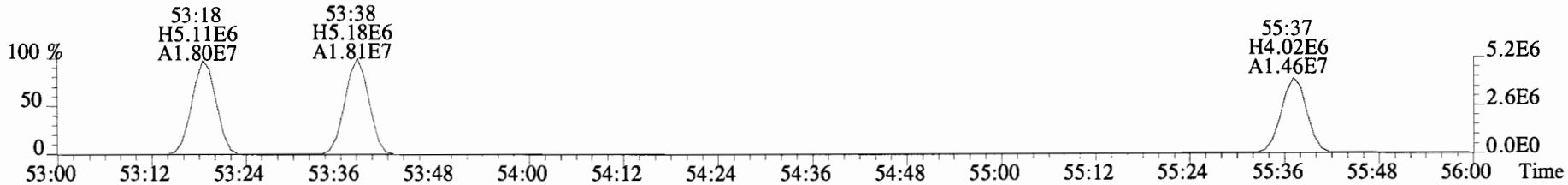


File:180409E1 #1-407 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1

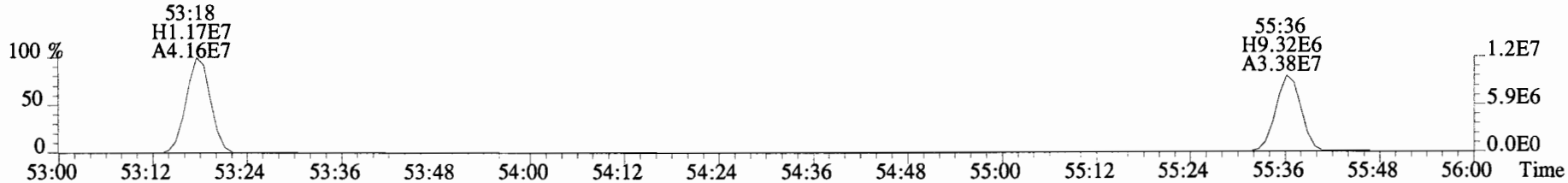
463.7216 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11588.0,0.00%,F,F)



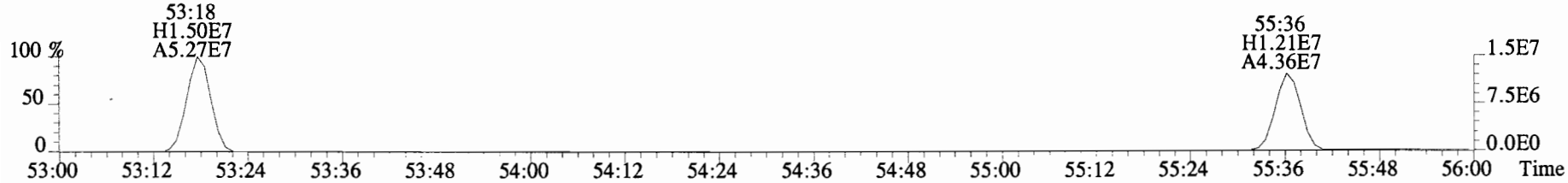

465.7186 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7948.0,0.00%,F,F)



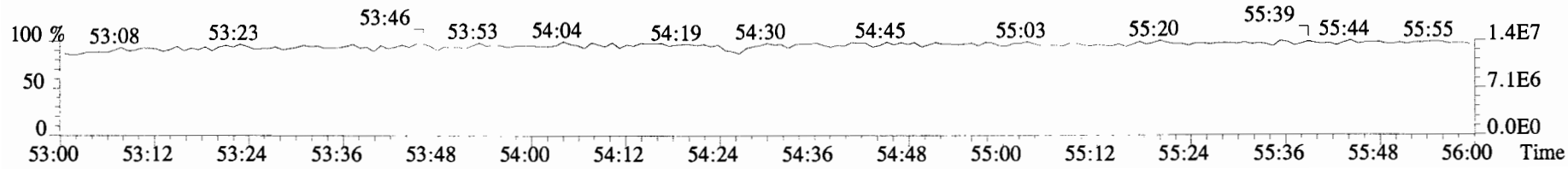

473.7648 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13672.0,0.00%,F,F)




475.7619 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18928.0,0.00%,F,F)

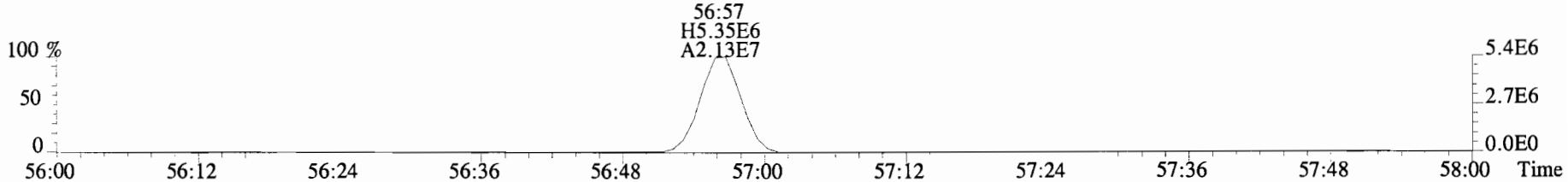



492.9697 S:5 F:5

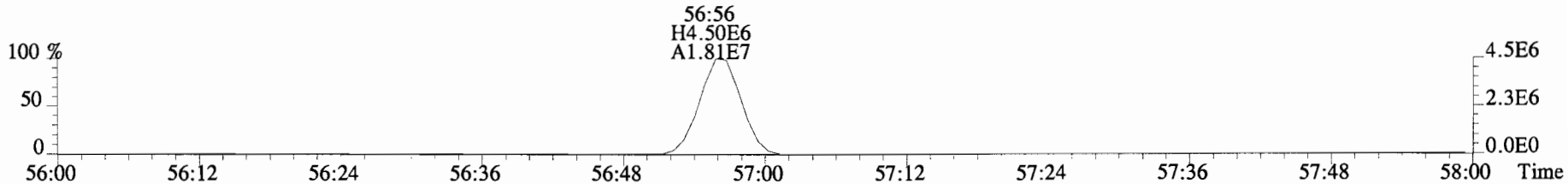


File:180409E1 #1-407 Acq: 9-APR-2018 21:54:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MS1 Matrix Spike 1 Exp:PCB_ZB1

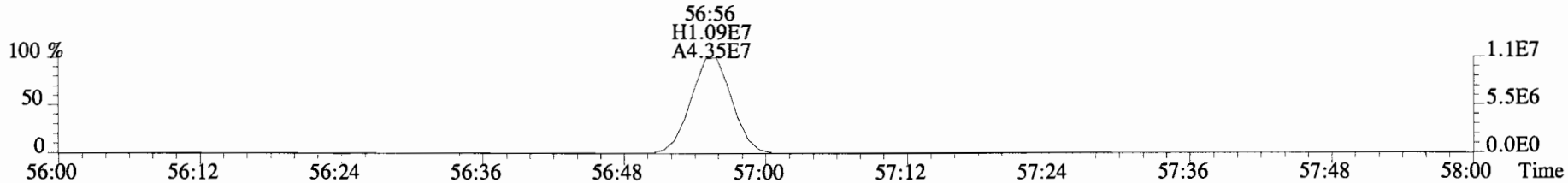
497.6826 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1488.0,0.00%,F,F)



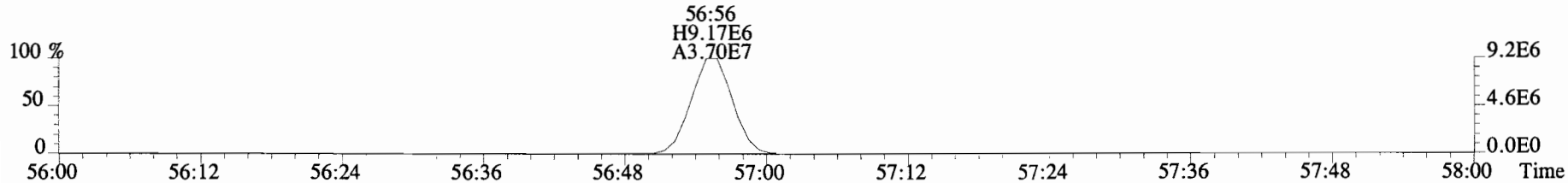

499.6797 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1492.0,0.00%,F,F)



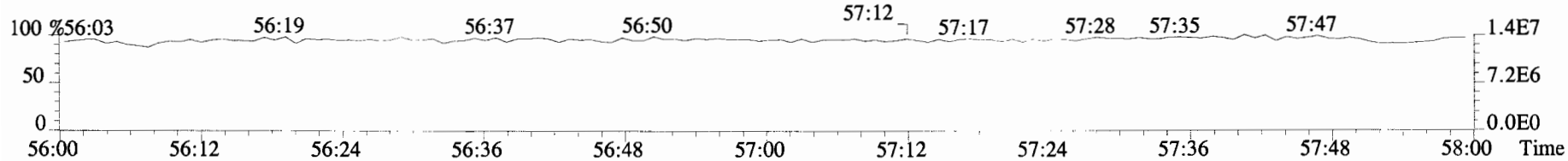

509.7229 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1600.0,0.00%,F,F)




511.7199 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1652.0,0.00%,F,F)




492.9697 S:5 F:5



Client ID: Matrix Spike Dup  Filename: 180409E1  S:6  Acq:9-APR-18 22:59:22  ConCal: ST180409E1-1  Page 2 of
Lab ID: B8D0041-MSD1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 0.856 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 3.75e+07 | 3.02 | y 15:59 | 1.07 | 1317 | | * | 2.5 | * | 1.002 | 0.996-1.006 |
| Mono | PCB-2 | 3.84e+07 | 3.04 | y 18:23 | 1.06 | 1293 | | * | 2.5 | * | 0.988 | 0.983-0.993 |
| Mono | PCB-3 | 3.81e+07 | 3.01 | y 18:37 | 1.06 | 1280 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-4/10 | 2.10e+08 | 1.57 | y 19:59 | 1.24 | 8685 | | * | 2.5 | * | 1.003 | 0.998-1.008 |
| Di | PCB-7/9 | 7.42e+07 | 1.58 | y 21:47 | 0.99 | 2169 | | * | 2.5 | * | 0.867 | 0.863-0.871 |
| Di | PCB-6 | 4.23e+07 | 1.57 | y 22:26 | 1.06 | 1160 | | * | 2.5 | * | 0.893 | 0.888-0.897 |
| Di | PCB-5/8 | 8.62e+07 | 1.57 | y 22:51 | 1.03 | 2433 | | * | 2.5 | * | 0.909 | 0.904-0.913 |
| Di | PCB-14 | 4.45e+07 | 1.58 | y 23:57 | 1.03 | 1056 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Di | PCB-11 | 4.92e+07 | 1.64 | y 25:09 | 1.11 | 1082 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | 9.17e+07 | 1.56 | y 25:33 | 1.02 | 2205 | | * | 2.5 | * | 1.017 | 1.011-1.021 |
| Di | PCB-15 | 5.63e+07 | 1.57 | y 25:51 | 1.05 | 1306 | | * | 2.5 | * | 1.029 | 1.023-1.033 |
| Tri | PCB-19 | 9.07e+07 | 1.04 | y 24:08 | 1.20 | 3032 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | 5.44e+07 | 1.05 | y 25:02 | 1.93 | 1129 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Tri | PCB-18 | 4.71e+07 | 1.04 | y 25:46 | 0.91 | 1226 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 4.22e+07 | 1.03 | y 25:57 | 0.84 | 1192 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 1.30e+08 | 1.05 | y 26:31 | 1.15 | 2677 | | * | 2.5 | * | 0.981 | 0.977-0.986 |
| Tri | PCB-16/32 | 1.03e+08 | 1.04 | y 27:02 | 1.02 | 2409 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | 4.76e+07 | 1.04 | y 27:51 | 0.96 | 1098 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-23 | 4.31e+07 | 1.06 | y 27:56 | 0.95 | 1005 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Tri | PCB-29 | 4.59e+07 | 1.04 | y 28:11 | 0.96 | 1054 | | * | 2.5 | * | 0.972 | 0.966-0.976 |
| Tri | PCB-26 | 5.05e+07 | 1.04 | y 28:24 | 1.00 | 1113 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 5.07e+07 | 1.06 | y 28:34 | 1.06 | 1061 | | * | 2.5 | * | 0.985 | 0.980-0.990 |
| Tri | PCB-31 | 5.37e+07 | 1.04 | y 28:54 | 1.10 | 1081 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 6.04e+07 | 1.04 | y 29:01 | 1.14 | 1174 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 1.43e+08 | 1.04 | y 29:37 | 1.00 | 3187 | | * | 2.5 | * | 1.021 | 1.017-1.027 |
| Tri | PCB-22 | 5.23e+07 | 1.04 | y 30:05 | 1.09 | 1064 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | 5.32e+07 | 1.03 | y 30:41 | 1.15 | 1071 | | * | 2.5 | * | 0.933 | 0.929-0.939 |
| Tri | PCB-39 | 5.00e+07 | 1.03 | y 31:09 | 1.07 | 1082 | | * | 2.5 | * | 0.947 | 0.943-0.953 |
| Tri | PCB-38 | 5.24e+07 | 1.06 | y 31:56 | 1.10 | 1101 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-35 | 5.45e+07 | 1.03 | y 32:27 | 1.12 | 1122 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tri | PCB-37 | 5.55e+07 | 1.04 | y 32:54 | 1.11 | 1154 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 4.93e+07 | 0.78 | y 27:53 | 1.07 | 1151 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | 4.27e+07 | 0.76 | y 29:04 | 0.87 | 1226 | | * | 2.5 | * | 1.043 | 1.038-1.048 |
| Tetra | PCB-53 | 5.02e+07 | 0.77 | y 29:43 | 1.01 | 1334 | | * | 2.5 | * | 0.946 | 0.940-0.950 |
| Tetra | PCB-51 | 4.67e+07 | 0.78 | y 30:03 | 1.10 | 1140 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 3.81e+07 | 0.79 | y 30:29 | 0.87 | 1173 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 3.54e+07 | 0.78 | y 30:58 | 0.84 | 1136 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:
Analyst: DB
Date: 4/10/18

Reviewed by: CT  Date: 4/12/18

Client ID: Matrix Spike Dup  Filename: 180409E1  S:6  Acq:9-APR-18 22:59:22  ConCal: ST180409E1-1  
Lab ID: B8D0041-MSD1  GC Column ID: ZB-1  ICal: PCBVG8-2-8 ;C  wt/vol: 0.856  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 1.17e+08 | 0.76 | y 31:27 | 1.21 | 2589 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 6.45e+07 | 0.78 | y 31:34 | 1.45 | 1192 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 9.77e+07 | 0.77 | y 31:44 | 1.01 | 2592 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 5.21e+07 | 0.75 | y 31:56 | 0.91 | 1402 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | 1.06e+08 | 0.77 | y 32:03 | 1.13 | 2288 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | 5.63e+07 | 0.77 | y 32:19 | 1.27 | 1080 | | * | 2.5 | * | 1.013 | 1.007-1.017 |
| Tetra | PCB-62 | 5.51e+07 | 0.77 | y 32:26 | 1.10 | 1226 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Tetra | PCB-44 | 4.69e+07 | 0.79 | y 32:44 | 0.85 | 1336 | | * | 2.5 | * | 1.026 | 1.020-1.030 |
| Tetra | PCB-42/59 | 1.00e+08 | 0.77 | y 32:57 | 1.02 | 2396 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 2.34e+08 | 0.77 | y 33:33 | 1.17 | 4884 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 6.05e+07 | 0.77 | y 33:49 | 1.28 | 1153 | | * | 2.5 | * | 1.060 | 1.054-1.064 |
| Tetra | PCB-40 | 3.18e+07 | 0.76 | y 34:01 | 0.62 | 1243 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Tetra | PCB-57 | 6.49e+07 | 0.78 | y 34:23 | 1.13 | 1111 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 6.53e+07 | 0.77 | y 34:42 | 1.10 | 1145 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | 6.40e+07 | 0.78 | y 34:49 | 1.12 | 1101 | | * | 2.5 | * | 0.983 | 0.977-0.987 |
| Tetra | PCB-63 | 5.86e+07 | 0.77 | y 34:58 | 1.00 | 1131 | | * | 2.5 | * | 0.987 | 0.981-0.991 |
| Tetra | PCB-74 | 7.24e+07 | 0.77 | y 35:15 | 1.18 | 1181 | | * | 2.5 | * | 0.995 | 0.989-0.999 |
| Tetra | PCB-61/70 | 1.21e+08 | 0.77 | y 35:25 | 1.03 | 2282 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 1.36e+08 | 0.76 | y 35:38 | 1.13 | 2323 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | 6.84e+07 | 0.78 | y 35:53 | 1.19 | 1098 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-55 | 6.93e+07 | 0.77 | y 36:12 | 1.16 | 1146 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Tetra | PCB-56/60 | 1.20e+08 | 0.77 | y 36:41 | 1.04 | 2201 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | 6.57e+07 | 0.77 | y 37:46 | 1.17 | 1077 | | * | 2.5 | * | 1.053 | 1.047-1.057 |
| Tetra | PCB-78 | 6.54e+07 | 0.77 | y 38:27 | 1.10 | 1105 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tetra | PCB-81 | 6.00e+07 | 0.77 | y 38:59 | 0.97 | 1155 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-77 | 6.33e+07 | 0.78 | y 39:34 | 1.08 | 1102 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | 4.06e+07 | 1.54 | y 32:36 | 1.08 | 1019 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-96 | 4.40e+07 | 1.56 | y 33:51 | 1.13 | 1051 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 3.65e+07 | 1.58 | y 34:24 | 0.91 | 1088 | | * | 2.5 | * | 1.056 | 1.051-1.061 |
| Penta | PCB-100 | 3.78e+07 | 1.57 | y 34:44 | 0.93 | 1105 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 3.00e+07 | 1.59 | y 35:13 | 0.91 | 1064 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 1.14e+08 | 1.56 | y 35:42 | 1.17 | 3168 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Penta | PCB-93 | 3.12e+07 | 1.60 | y 35:50 | 0.93 | 1092 | | * | 2.5 | * | 1.003 | 0.997-1.007 |
| Penta | PCB-88/91 | 6.50e+07 | 1.55 | y 36:07 | 0.97 | 2163 | | * | 2.5 | * | 1.011 | 1.005-1.015 |
| Penta | PCB-121 | 5.44e+07 | 1.57 | y 36:14 | 1.68 | 1050 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-84/92 | 6.41e+07 | 1.60 | y 37:03 | 0.97 | 2131 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 3.42e+07 | 1.57 | y 37:14 | 1.06 | 1040 | | * | 2.5 | * | 0.995 | 0.990-1.000 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike Dup  Filename: 180409E1  S:6  Acq:9-APR-18 22:59:22  ConCal: ST180409E1-1  
Lab ID: B8D0041-MSD1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 0.856  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 7.04e+07 | 1.57 | y 37:26 | 1.08 | 2116 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 4.57e+07 | 1.56 | y 37:40 | 1.48 | 1001 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Penta | PCB-99 | 4.27e+07 | 1.59 | y 37:46 | 1.25 | 1103 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 4.75e+07 | 1.55 | y 38:13 | 1.70 | 997.6 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Penta | PCB-108/112 | 8.13e+07 | 1.56 | y 38:22 | 1.40 | 2070 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | 5.14e+07 | 1.59 | y 38:33 | 1.75 | 1047 | | * | 2.5 | * | 0.996 | 0.990-1.000 |
| Penta | PCB-97 | 3.51e+07 | 1.57 | y 38:44 | 1.17 | 1068 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | 3.47e+07 | 1.57 | y 38:53 | 1.08 | 1145 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-87/117/125 | 1.32e+08 | 1.58 | y 39:01 | 1.55 | 3048 | | * | 2.5 | * | 1.008 | 1.002-1.012 |
| Penta | PCB-111/115 | 1.05e+08 | 1.55 | y 39:10 | 1.79 | 2092 | | * | 2.5 | * | 1.012 | 1.006-1.016 |
| Penta | PCB-85/116 | 7.87e+07 | 1.61 | y 39:17 | 1.29 | 2177 | | * | 2.5 | * | 1.015 | 1.009-1.019 |
| Penta | PCB-120 | 5.80e+07 | 1.57 | y 39:33 | 1.98 | 1045 | | * | 2.5 | * | 1.022 | 1.016-1.026 |
| Penta | PCB-110 | 5.52e+07 | 1.58 | y 39:41 | 1.69 | 1169 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 3.31e+07 | 1.59 | y 40:17 | 0.81 | 1017 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 5.20e+07 | 1.55 | y 40:59 | 1.30 | 996.2 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Penta | PCB-107/109 | 1.11e+08 | 1.57 | y 41:07 | 1.31 | 2095 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Penta | PCB-123 | 4.78e+07 | 1.57 | y 41:17 | 1.12 | 1059 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 1.08e+08 | 1.54 | y 41:30 | 1.18 | 2173 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-114 | 4.53e+07 | 1.56 | y 42:08 | 1.11 | 1096 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-122 | 4.27e+07 | 1.57 | y 42:16 | 1.03 | 1121 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-105 | 4.42e+07 | 1.58 | y 43:00 | 1.12 | 1087 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-127 | 4.70e+07 | 1.58 | y 43:20 | 1.12 | 1075 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-126 | 4.75e+07 | 1.58 | y 45:14 | 1.20 | 1115 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-155 | 3.66e+07 | 1.26 | y 36:59 | 0.99 | 1009 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-150 | 3.92e+07 | 1.25 | y 38:14 | 1.02 | 1041 | | * | 2.5 | * | 1.034 | 1.030-1.040 |
| Hexa | PCB-152 | 4.41e+07 | 1.24 | y 38:43 | 1.16 | 1039 | | * | 2.5 | * | 1.047 | 1.042-1.052 |
| Hexa | PCB-145 | 4.37e+07 | 1.23 | y 39:09 | 1.13 | 1053 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Hexa | PCB-136 | 4.03e+07 | 1.24 | y 39:28 | 1.02 | 1073 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | 3.07e+07 | 1.25 | y 39:35 | 0.77 | 1082 | | * | 2.5 | * | 1.071 | 1.066-1.076 |
| Hexa | PCB-154 | 3.66e+07 | 1.25 | y 40:05 | 0.88 | 1138 | | * | 2.5 | * | 1.084 | 1.079-1.089 |
| Hexa | PCB-151 | 3.23e+07 | 1.22 | y 40:43 | 0.75 | 1170 | | * | 2.5 | * | 1.101 | 1.095-1.107 |
| Hexa | PCB-135 | 3.77e+07 | 1.26 | y 40:56 | 0.86 | 1193 | | * | 2.5 | * | 1.107 | 1.101-1.113 |
| Hexa | PCB-144 | 3.23e+07 | 1.25 | y 41:03 | 0.77 | 1150 | | * | 2.5 | * | 1.110 | 1.105-1.116 |
| Hexa | PCB-147 | 3.48e+07 | 1.26 | y 41:11 | 0.80 | 1176 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 7.58e+07 | 1.26 | y 41:27 | 0.88 | 2345 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | 3.31e+07 | 1.25 | y 41:37 | 0.77 | 1171 | | * | 2.5 | * | 1.126 | 1.120-1.132 |
| Hexa | PCB-134/143 | 7.45e+07 | 1.24 | y 42:03 | 0.76 | 2258 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike Dup  Filename: 180409E1  S:6  Acq:9-APR-18 22:59:22  ConCal: ST180409E1-1  Page 2 of
Lab ID: B8D0041 MSD1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol: 0.856  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 7.94e+07 | 1.24 | y 42:21 | 0.82 | 2247 | | * | 2.5 | * | 0.981 | 0.977-0.987 |
| Hexa | PCB-142 | 3.63e+07 | 1.25 | y 42:31 | 0.73 | 1147 | | * | 2.5 | * | 0.985 | 0.981-0.991 |
| Hexa | PCB-146/165 | 9.82e+07 | 1.25 | y 42:45 | 1.02 | 2226 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Hexa | PCB-132/161 | 9.71e+07 | 1.25 | y 42:58 | 1.00 | 2235 | | * | 2.5 | * | 0.996 | 0.992-1.002 |
| Hexa | PCB-153 | 5.37e+07 | 1.25 | y 43:09 | 1.08 | 1152 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | 5.11e+07 | 1.23 | y 43:22 | 1.12 | 1058 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Hexa | PCB-141 | 4.13e+07 | 1.25 | y 43:54 | 1.02 | 1119 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 3.89e+07 | 1.25 | y 44:16 | 1.10 | 972.7 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Hexa | PCB-130 | 4.09e+07 | 1.26 | y 44:23 | 0.81 | 1398 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 1.58e+08 | 1.26 | y 44:45 | 1.23 | 3240 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | 1.03e+08 | 1.25 | y 45:00 | 1.18 | 2218 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 3.36e+07 | 1.24 | y 45:14 | 0.78 | 1090 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Hexa | PCB-166 | 5.99e+07 | 1.27 | y 45:40 | 1.13 | 1117 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Hexa | PCB-159 | 6.20e+07 | 1.27 | y 46:01 | 1.16 | 1124 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-128/162 | 9.26e+07 | 1.26 | y 46:17 | 0.89 | 2182 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Hexa | PCB-167 | 5.34e+07 | 1.26 | y 46:42 | 1.02 | 1100 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-156 | 5.31e+07 | 1.25 | y 47:59 | 1.06 | 1043 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 5.20e+07 | 1.28 | y 48:15 | 1.02 | 1052 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | 5.83e+07 | 1.27 | y 50:27 | 1.13 | 1094 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-188 | 4.96e+07 | 1.05 | y 42:48 | 1.37 | 1064 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hepta | PCB-184 | 5.00e+07 | 1.04 | y 43:14 | 1.32 | 1118 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Hepta | PCB-179 | 5.23e+07 | 1.05 | y 44:01 | 1.38 | 1114 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | 4.98e+07 | 1.06 | y 44:29 | 1.31 | 1121 | | * | 2.5 | * | 1.040 | 1.035-1.045 |
| Hepta | PCB-186 | 5.49e+07 | 1.05 | y 45:05 | 1.42 | 1139 | | * | 2.5 | * | 1.054 | 1.049-1.059 |
| Hepta | PCB-178 | 3.86e+07 | 1.04 | y 45:35 | 0.97 | 1173 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Hepta | PCB-175 | 4.03e+07 | 1.05 | y 45:55 | 1.00 | 1190 | | * | 2.5 | * | 1.074 | 1.069-1.079 |
| Hepta | PCB-182/187 | 8.95e+07 | 1.06 | y 46:06 | 1.14 | 2310 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | 4.31e+07 | 1.05 | y 46:25 | 1.13 | 1126 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | 3.86e+07 | 1.05 | y 47:04 | 1.36 | 1112 | | * | 2.5 | * | 0.956 | 0.950-0.960 |
| Hepta | PCB-174 | 3.92e+07 | 1.02 | y 47:26 | 1.42 | 1083 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | 4.37e+07 | 1.04 | y 47:32 | 1.48 | 1158 | | * | 2.5 | * | 0.965 | 0.960-0.970 |
| Hepta | PCB-177 | 3.84e+07 | 1.05 | y 47:42 | 1.33 | 1131 | | * | 2.5 | * | 0.969 | 0.963-0.973 |
| Hepta | PCB-171 | 3.78e+07 | 1.03 | y 48:00 | 1.37 | 1077 | | * | 2.5 | * | 0.975 | 0.969-0.979 |
| Hepta | PCB-173 | 3.63e+07 | 1.05 | y 48:25 | 1.27 | 1117 | | * | 2.5 | * | 0.983 | 0.978-0.988 |
| Hepta | PCB-172 | 4.03e+07 | 1.04 | y 48:52 | 1.39 | 1136 | | * | 2.5 | * | 0.992 | 0.987-0.997 |
| Hepta | PCB-192 | 5.35e+07 | 1.04 | y 49:04 | 1.80 | 1159 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Hepta | PCB-180 | 4.33e+07 | 1.05 | y 49:17 | 1.52 | 1115 | | * | 2.5 | * | 1.001 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike Dup  Filename: 180409E1  S:6  Acq:9-APR-18 22:59:22  ConCal: ST180409E1-1
Lab ID: B8D0041-MSD1  GC Column ID: ZB-1  ICal: PCBVG8-2 8-18  wt/vol: 0.856  EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | 4.81e+07 | 1.05 | y 49:29 | 1.71 | 1099 | | * | 2.5 | * | 1.005 | 0.999-1.009 |
| Hepta | PCB-191 | 5.10e+07 | 1.06 | y 49:44 | 1.74 | 1146 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Hepta | PCB-170 | 3.67e+07 | 1.07 | y 50:52 | 1.44 | 1111 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-190 | 5.05e+07 | 1.05 | y 51:04 | 1.95 | 1123 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | 4.85e+07 | 1.03 | y 52:30 | 1.46 | 1065 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-202 | 4.42e+07 | 0.88 | y 48:12 | 1.06 | 1090 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-201 | 4.14e+07 | 0.88 | y 48:41 | 0.98 | 1105 | | * | 2.5 | * | 1.010 | 1.006-1.016 |
| Octa | PCB-204 | 4.42e+07 | 0.87 | y 48:50 | 1.07 | 1078 | | * | 2.5 | * | 1.013 | 1.009-1.019 |
| Octa | PCB-197 | 4.34e+07 | 0.89 | y 49:09 | 1.10 | 1032 | | * | 2.5 | * | 1.020 | 1.015-1.025 |
| Octa | PCB-200 | 4.27e+07 | 0.88 | y 50:03 | 1.04 | 1071 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Octa | PCB-198 | 3.56e+07 | 0.86 | y 51:31 | 0.84 | 1109 | | * | 2.5 | * | 1.069 | 1.065-1.075 |
| Octa | PCB-199 | 3.25e+07 | 0.90 | y 51:39 | 0.80 | 1063 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 7.10e+07 | 0.88 | y 51:56 | 0.84 | 2205 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Octa | PCB-195 | 2.98e+07 | 0.89 | y 53:10 | 1.04 | 1105 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 3.25e+07 | 0.89 | y 54:04 | 1.16 | 1080 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | 3.75e+07 | 0.90 | y 54:20 | 1.33 | 1086 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Nona | PCB-208 | 3.98e+07 | 1.31 | y 53:19 | 0.90 | 1123 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | 4.03e+07 | 1.32 | y 53:38 | 0.89 | 1146 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Nona | PCB-206 | 3.12e+07 | 1.32 | y 55:38 | 0.88 | 1115 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 3.72e+07 | 1.19 | y 56:57 | 1.04 | 1069 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: Matrix Spike Dup  Filename: 180409E1  S:6  Acq:9-APR-18 22:59:22  ConCal: ST180409E1-1
Lab ID: B8D0041-MSD1  GC Column ID: ZB-1  ICal: PCBVG8-2-8-18  wt/vol:0.8564  EndCAL: NA

| Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 6.20e+07 | 3.21 | y | 1.13 | 15:57 | 0.617 | 0.616 | 0.622 | 863 | 37.0 |
| 13C-PCB-3 | 6.55e+07 | 3.26 | y | 1.21 | 18:36 | 0.720 | 0.716 | 0.724 | 852 | 36.5 |
| 13C-PCB-4 | 4.58e+07 | 1.50 | y | 0.59 | 19:56 | 0.772 | 0.769 | 0.777 | 1210 | 51.9 |
| 13C-PCB-9 | 8.05e+07 | 1.51 | y | 0.94 | 21:45 | 0.842 | 0.837 | 0.845 | 1350 | 57.6 |
| 13C-PCB-11 | 9.54e+07 | 1.52 | y | 0.95 | 25:08 | 0.973 | 0.968 | 0.978 | 1580 | 67.9 |
| 13C-PCB-19 | 5.84e+07 | 1.05 | y | 0.62 | 24:06 | 0.933 | 0.928 | 0.938 | 1470 | 63.1 |
| 13C-PCB-28 | 1.06e+08 | 1.09 | y | 1.05 | 29:00 | 1.004 | 0.999 | 1.009 | 1920 | 82.4 |
| 13C-PCB-32 | 9.83e+07 | 1.06 | y | 0.91 | 27:02 | 1.046 | 1.041 | 1.051 | 1700 | 72.8 |
| 13C-PCB-37 | 1.01e+08 | 1.09 | y | 1.02 | 32:53 | 1.138 | 1.132 | 1.144 | 1890 | 81.0 |
| 13C-PCB-47 | 9.58e+07 | 0.79 | y | 0.83 | 31:55 | 0.870 | 0.867 | 0.875 | 1900 | 81.6 |
| 13C-PCB-52 | 8.70e+07 | 0.80 | y | 0.76 | 31:25 | 0.857 | 0.853 | 0.861 | 1890 | 80.8 |
| 13C-PCB-54 | 9.32e+07 | 0.80 | y | 0.93 | 27:52 | 0.760 | 0.756 | 0.764 | 1660 | 71.2 |
| 13C-PCB-70 | 1.21e+08 | 0.79 | y | 1.00 | 35:26 | 0.966 | 0.961 | 0.971 | 2010 | 86.0 |
| 13C-PCB-77 | 1.24e+08 | 0.81 | y | 0.96 | 39:33 | 1.079 | 1.073 | 1.083 | 2140 | 91.6 |
| 13C-PCB-80 | 1.22e+08 | 0.79 | y | 1.00 | 35:52 | 0.978 | 0.973 | 0.983 | 2030 | 86.9 |
| 13C-PCB-81 | 1.25e+08 | 0.79 | y | 1.01 | 38:58 | 1.063 | 1.057 | 1.067 | 2060 | 88.2 |
| 13C-PCB-95 | 7.20e+07 | 1.56 | y | 0.80 | 35:44 | 0.912 | 0.908 | 0.918 | 1930 | 82.8 |
| 13C-PCB-97 | 6.54e+07 | 1.53 | y | 0.70 | 38:43 | 0.989 | 0.984 | 0.994 | 2010 | 86.0 |
| 13C-PCB-101 | 7.22e+07 | 1.58 | y | 0.80 | 37:26 | 0.956 | 0.951 | 0.961 | 1940 | 83.1 |
| 13C-PCB-104 | 8.64e+07 | 1.61 | y | 1.01 | 32:34 | 0.831 | 0.828 | 0.836 | 1850 | 79.1 |
| 13C-PCB-105 | 8.46e+07 | 1.55 | y | 1.14 | 42:58 | 0.929 | 0.924 | 0.934 | 1870 | 80.2 |
| 13C-PCB-114 | 8.67e+07 | 1.58 | y | 1.18 | 42:07 | 0.910 | 0.905 | 0.915 | 1850 | 79.3 |
| 13C-PCB-118 | 9.83e+07 | 1.60 | y | 1.00 | 41:28 | 1.059 | 1.054 | 1.064 | 2130 | 91.0 |
| 13C-PCB-123 | 9.41e+07 | 1.57 | y | 0.95 | 41:17 | 1.054 | 1.049 | 1.059 | 2150 | 91.9 |
| 13C-PCB-126 | 8.29e+07 | 1.56 | y | 1.14 | 45:13 | 0.977 | 0.972 | 0.982 | 1840 | 78.9 |
| 13C-PCB-127 | 9.14e+07 | 1.57 | y | 1.24 | 43:19 | 0.936 | 0.931 | 0.941 | 1860 | 79.6 |
| 13C-PCB-138 | 9.21e+07 | 1.27 | y | 1.17 | 44:43 | 0.966 | 0.962 | 0.972 | 1980 | 84.9 |
| 13C-PCB-141 | 8.48e+07 | 1.29 | y | 1.11 | 43:53 | 0.948 | 0.944 | 0.954 | 1930 | 82.8 |
| 13C-PCB-153 | 1.01e+08 | 1.28 | y | 1.34 | 43:09 | 0.933 | 0.928 | 0.938 | 1910 | 81.8 |
| 13C-PCB-155 | 8.58e+07 | 1.25 | y | 0.83 | 36:58 | 0.944 | 0.939 | 0.949 | 2240 | 95.9 |
| 13C-PCB-156 | 1.12e+08 | 1.28 | y | 1.38 | 47:58 | 1.037 | 1.032 | 1.042 | 2040 | 87.5 |
| 13C-PCB-157 | 1.13e+08 | 1.27 | y | 1.37 | 48:14 | 1.043 | 1.037 | 1.047 | 2070 | 88.9 |
| 13C-PCB-159 | 1.11e+08 | 1.27 | y | 1.39 | 46:00 | 0.994 | 0.989 | 0.999 | 2020 | 86.6 |
| 13C-PCB-167 | 1.11e+08 | 1.25 | y | 1.40 | 46:41 | 1.009 | 1.004 | 1.014 | 2010 | 85.9 |
| 13C-PCB-169 | 1.10e+08 | 1.28 | y | 1.39 | 50:26 | 1.090 | 1.085 | 1.095 | 2000 | 85.7 |
| 13C-PCB-170 | 5.38e+07 | 0.46 | y | 0.86 | 50:51 | 1.103 | 1.097 | 1.109 | 2090 | 89.5 |
| 13C-PCB-180 | 5.98e+07 | 0.45 | y | 0.98 | 49:15 | 1.068 | 1.064 | 1.074 | 2040 | 87.4 |
| 13C-PCB-188 | 7.92e+07 | 0.46 | y | 1.40 | 42:46 | 0.928 | 0.923 | 0.933 | 1890 | 80.9 |
| 13C-PCB-189 | 7.29e+07 | 0.44 | y | 1.15 | 52:29 | 1.138 | 1.132 | 1.144 | 2120 | 90.6 |
| 13C-PCB-194 | 6.07e+07 | 0.89 | y | 0.77 | 54:03 | 0.995 | 0.990 | 1.000 | 2120 | 90.6 |
| 13C-PCB-202 | 8.95e+07 | 0.93 | y | 1.28 | 48:11 | 1.045 | 1.040 | 1.050 | 2330 | 99.7 |
| 13C-PCB-206 | 7.41e+07 | 0.79 | y | 0.81 | 55:37 | 1.024 | 1.019 | 1.029 | 2460 | 105 |
| 13C-PCB-208 | 9.24e+07 | 0.78 | y | 1.09 | 53:18 | 0.981 | 0.977 | 0.987 | 2270 | 97.2 |
| 13C-PCB-209 | 7.80e+07 | 1.19 | y | 0.74 | 56:56 | 1.048 | 1.043 | 1.053 | 2840 | 122 |

CRS vs. RS

| Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.36e+08 | 0.79 | y | 1.03 | 37:45 | 1.030 | 1.024 | 1.034 | 2180 | 93.4 |
| 13C-PCB-178 | 6.18e+07 | 0.46 | y | 0.93 | 45:33 | 0.985 | 0.980 | 0.990 | 2220 | 95.1 |

PS vs. IS

| Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.36e+08 | 0.79 | y | 1.03 | 37:45 | 0.969 | 0.963 | 0.973 | 2470 | 106 |
| 13C-PCB-178 | 6.18e+07 | 0.46 | y | 0.95 | 45:33 | 0.925 | 0.920 | 0.930 | 2540 | 109 |

RS

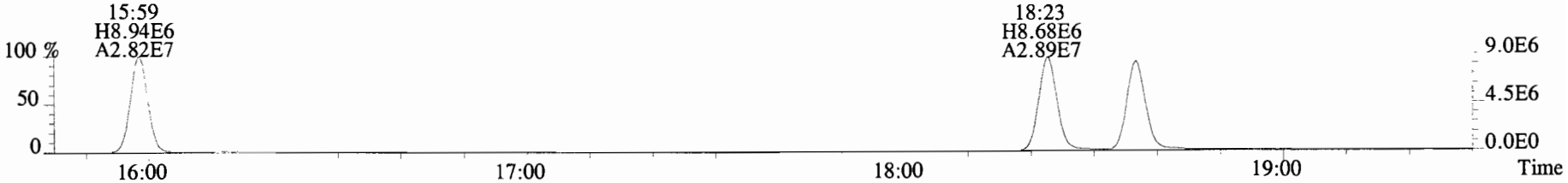
| Name | Resp | RA | | RRF | RT | Conc |
|---|---|---|---|---|---|---|
| 13C-PCB-15 | 1.48e+08 | 1.53 | y | 1.00 | 25:50 | 2340 |
| 13C-PCB-31 | 1.22e+08 | 1.06 | y | 1.00 | 28:53 | 2340 |
| 13C-PCB-60 | 1.41e+08 | 0.79 | y | 1.00 | 36:40 | 2340 |
| 13C-PCB-111 | 1.08e+08 | 1.57 | y | 1.00 | 39:10 | 2340 |
| 13C-PCB-128 | 9.24e+07 | 1.28 | y | 1.00 | 46:16 | 2340 |
| 13C-PCB-182 | 7.01e+07 | 0.45 | y | 1.00 | 46:06 | 2340 |
| 13C-PCB-205 | 8.70e+07 | 0.90 | y | 1.00 | 54:19 | 2340 |

Analyst: DB

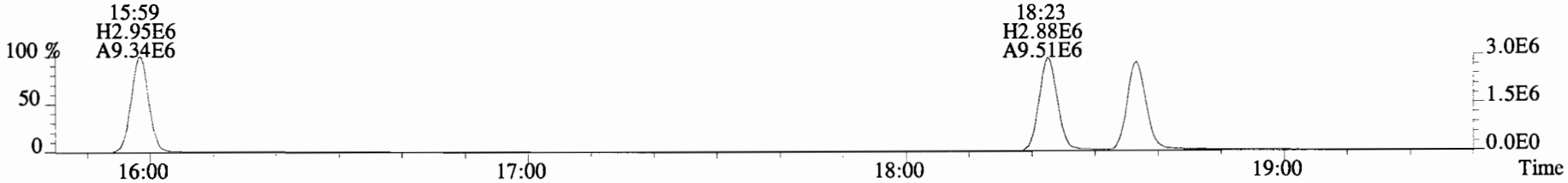
Date: 4/10/18

File:180409E1 #1-867 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1

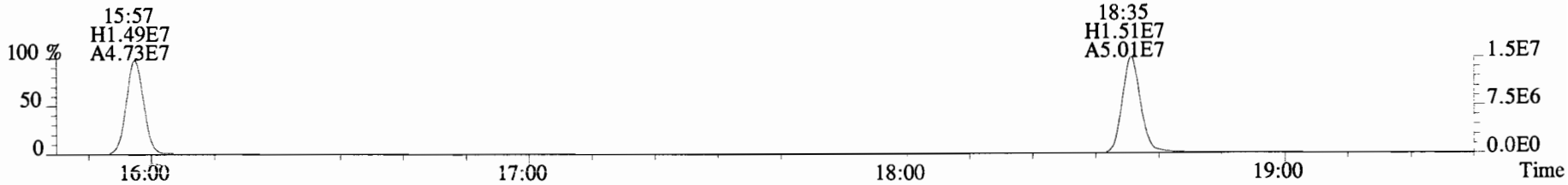
188.0393 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6236.0,0.00%,F,F)



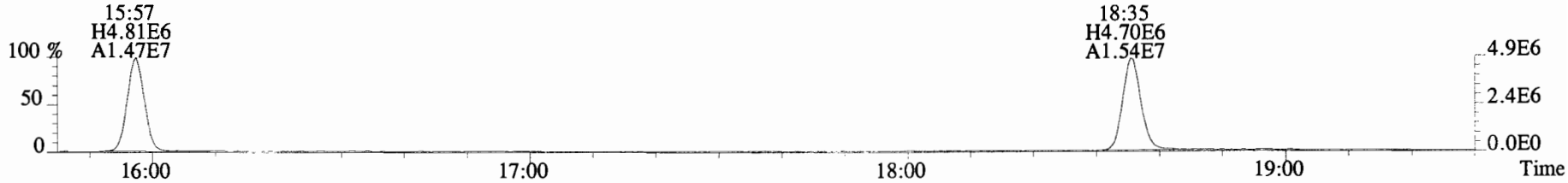

190.0363 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5012.0,0.00%,F,F)



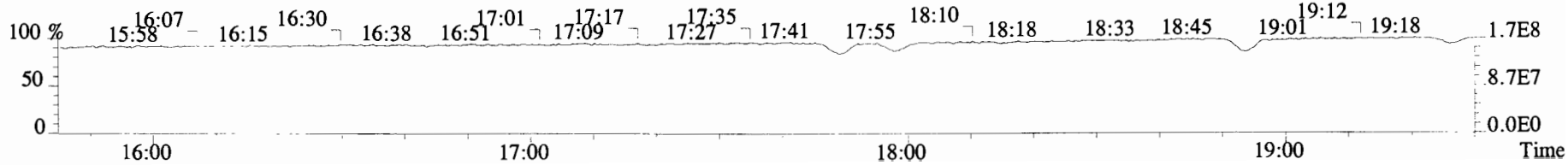

200.0795 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6780.0,0.00%,F,F)




202.0766 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37452.0,0.00%,F,F)

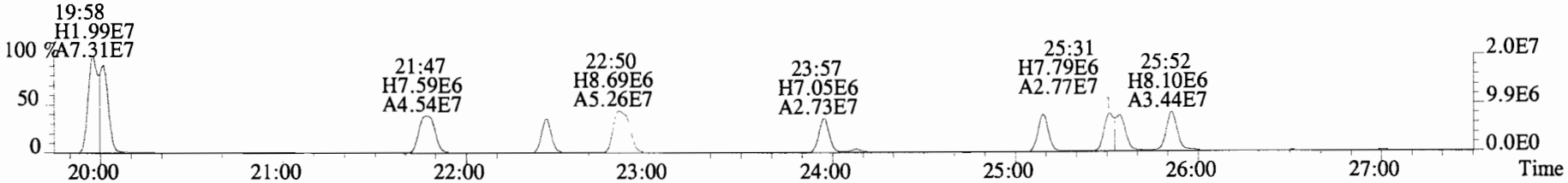



180.9880 S:6

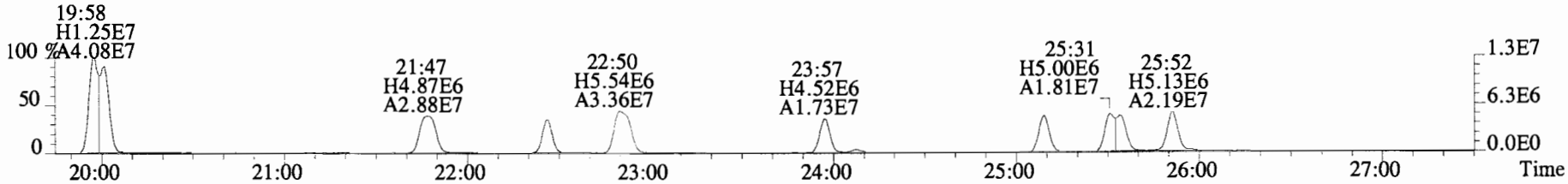


File:180409E1 #1-757 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1

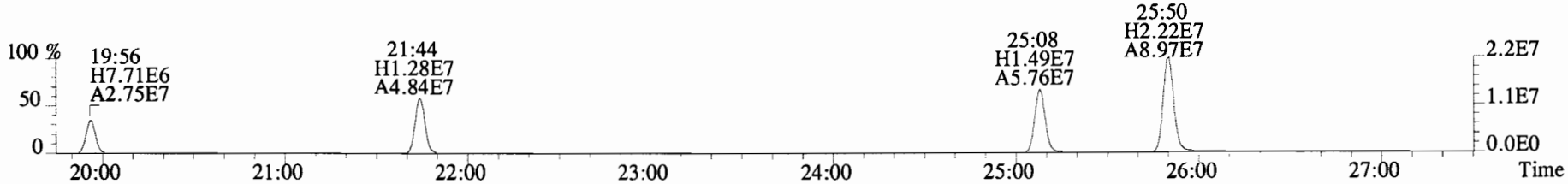
222.0003 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7560.0,0.00%,F,F)



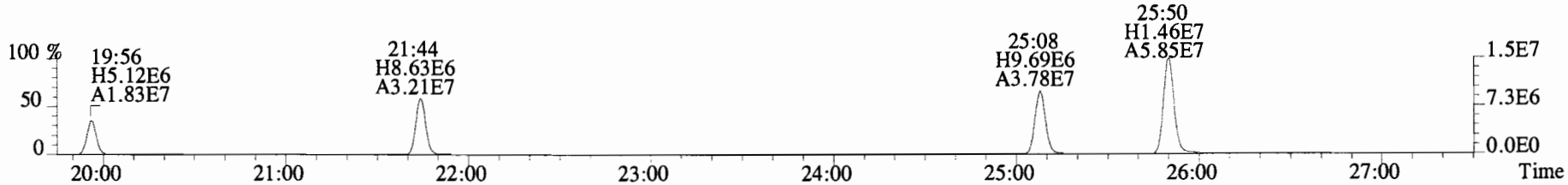

223.9974 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39692.0,0.00%,F,F)



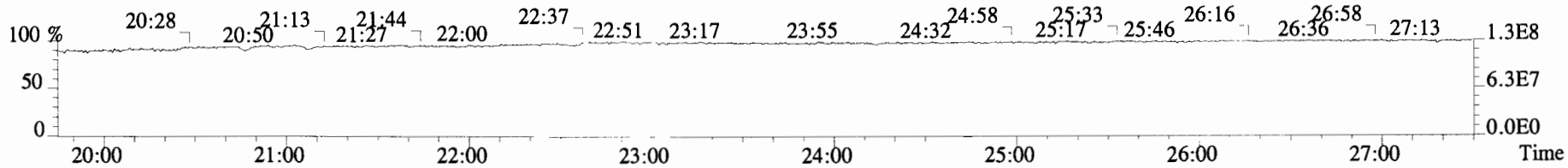

234.0406 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5148.0,0.00%,F,F)



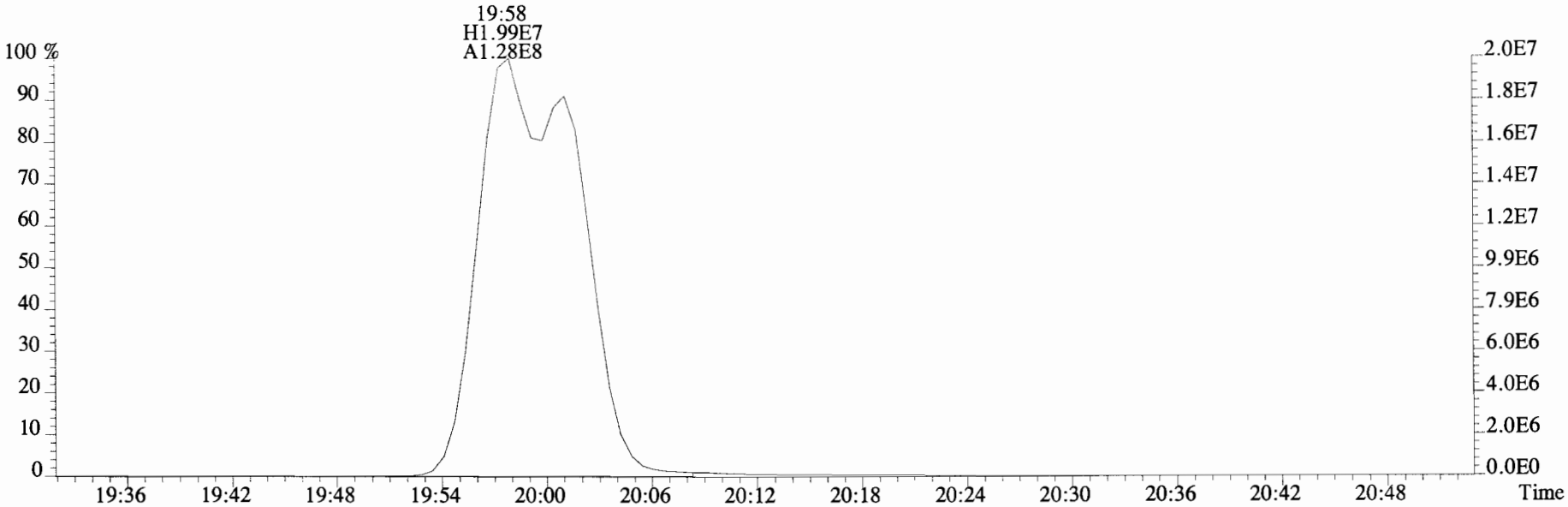

236.0376 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3664.0,0.00%,F,F)



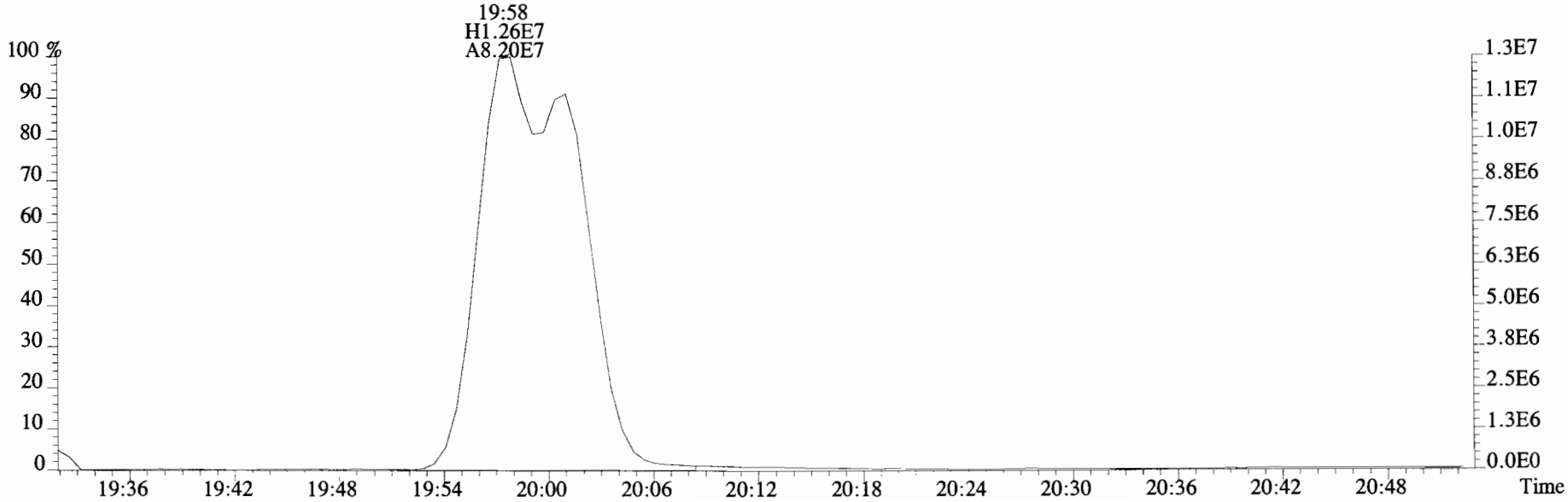

230.9856 S:6 F:2



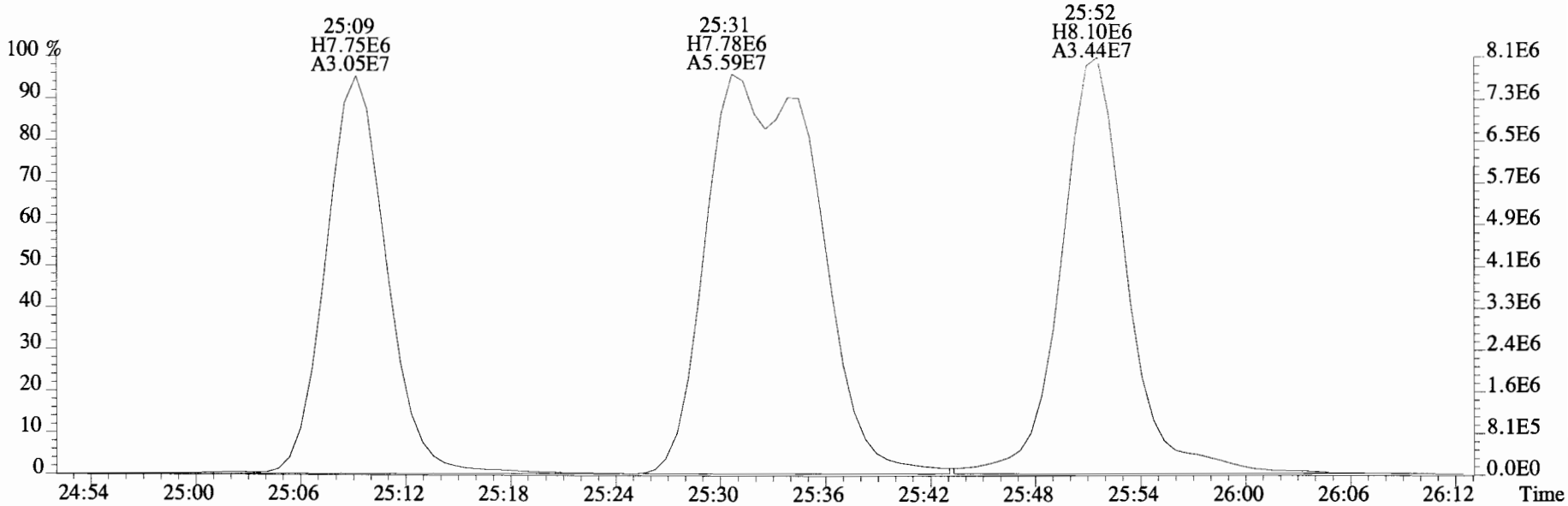
File:180409E1 #1-757 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
222.0003 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7560.0,0.00%,F,F)



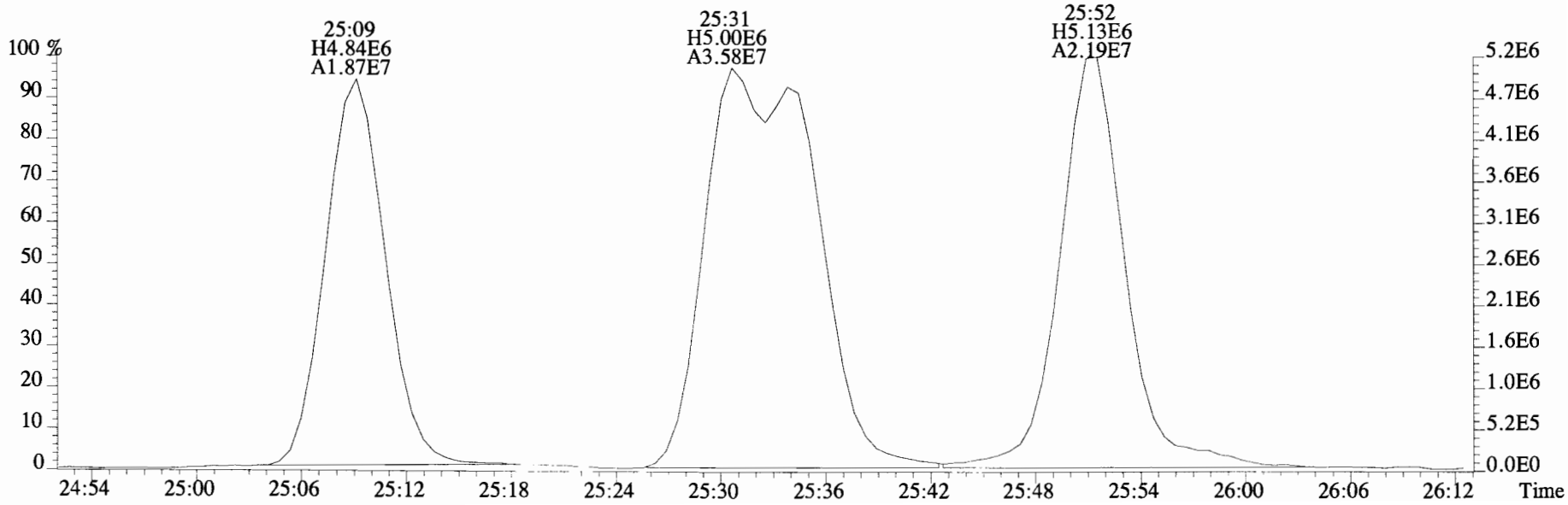

223.9974 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39692.0,0.00%,F,F)



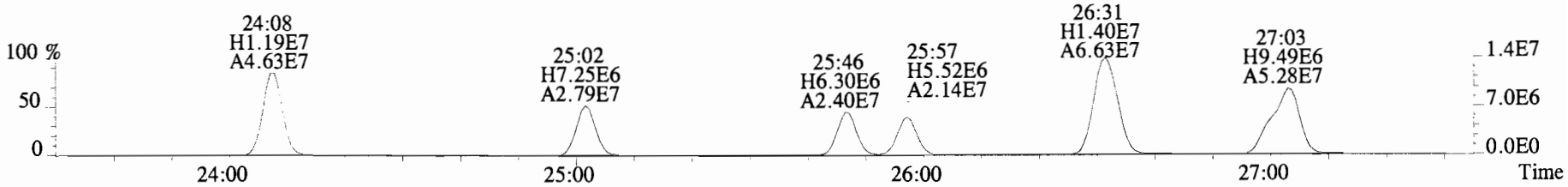
File:180409E1 #1-757 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
222.0003 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7560.0,0.00%,F,F)



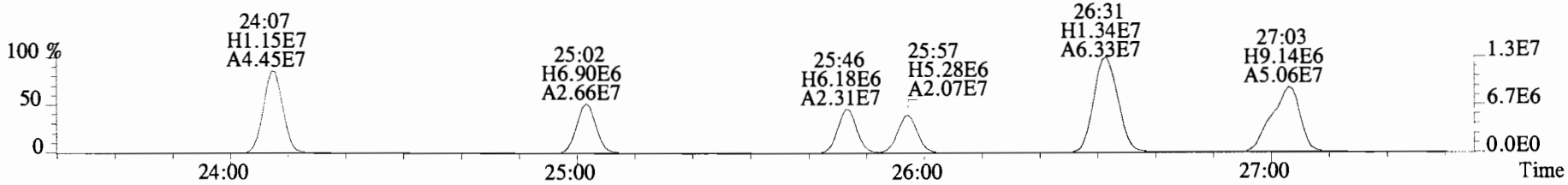

223.9974 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39692.0,0.00%,F,F)



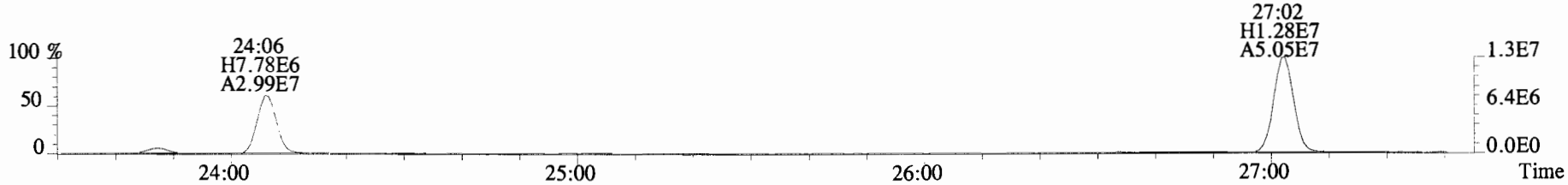
File:180409E1 #1-757 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
255.9613 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3508.0,0.00%,F,F)



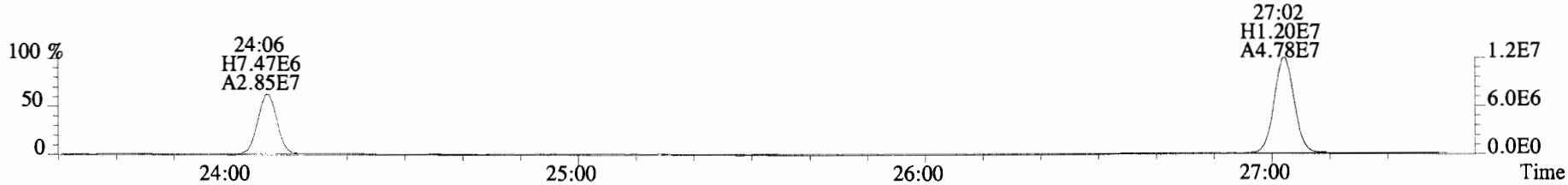

257.9584 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2500.0,0.00%,F,F)



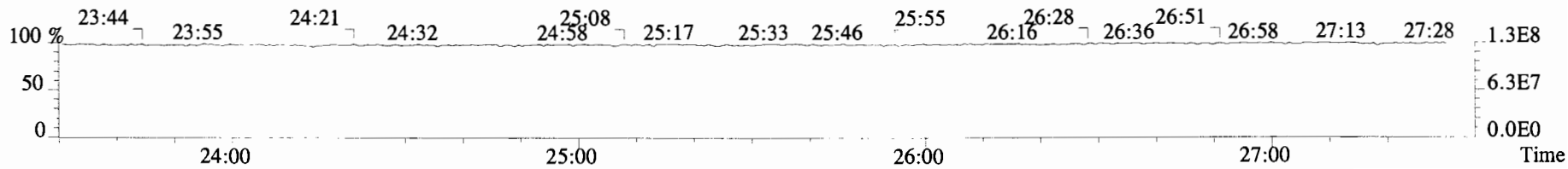

268.0016 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,74540.0,0.00%,F,F)



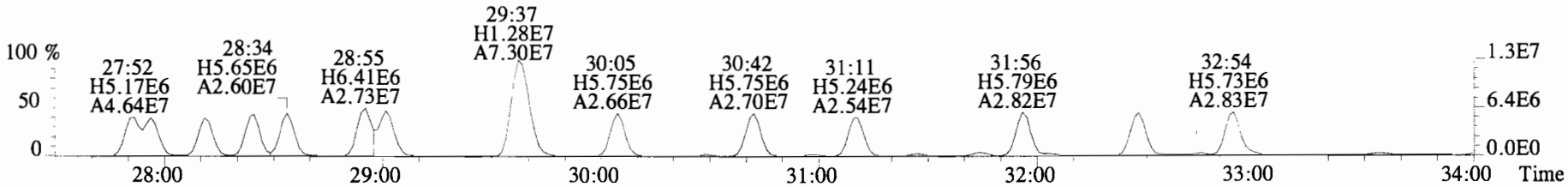

269.9986 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,74488.0,0.00%,F,F)



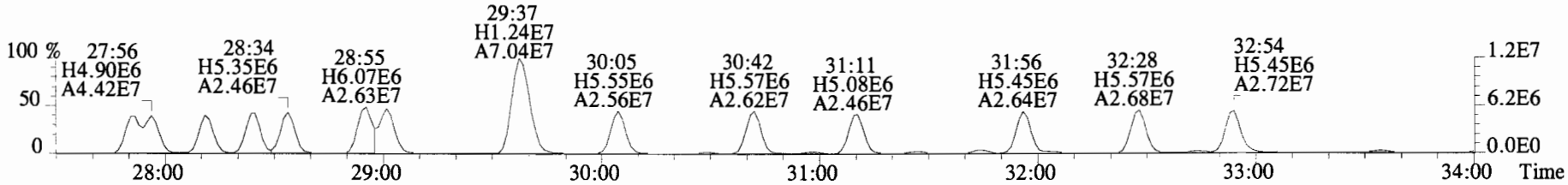

230.9856 S:6 F:2



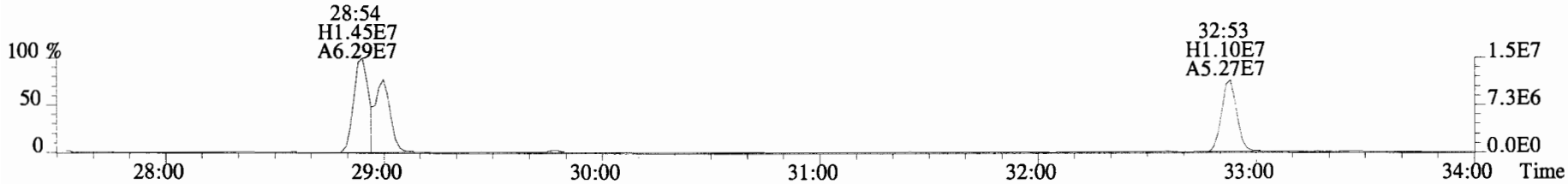
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
255.9613 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18276.0,0.00%,F,F)



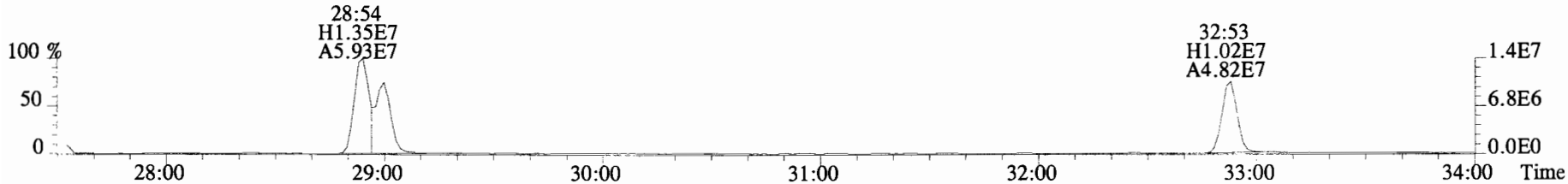

257.9584 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21356.0,0.00%,F,F)



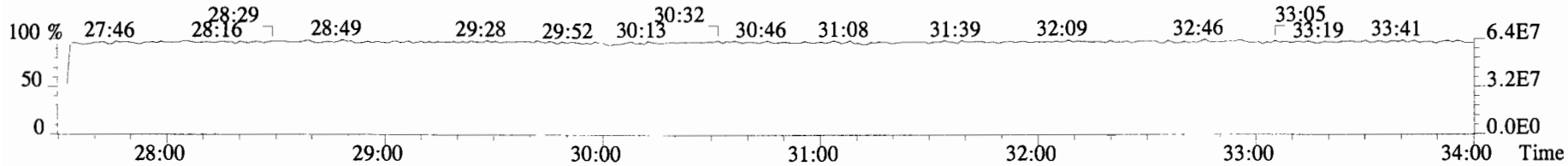

268.0016 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,112084.0,0.00%,F,F)



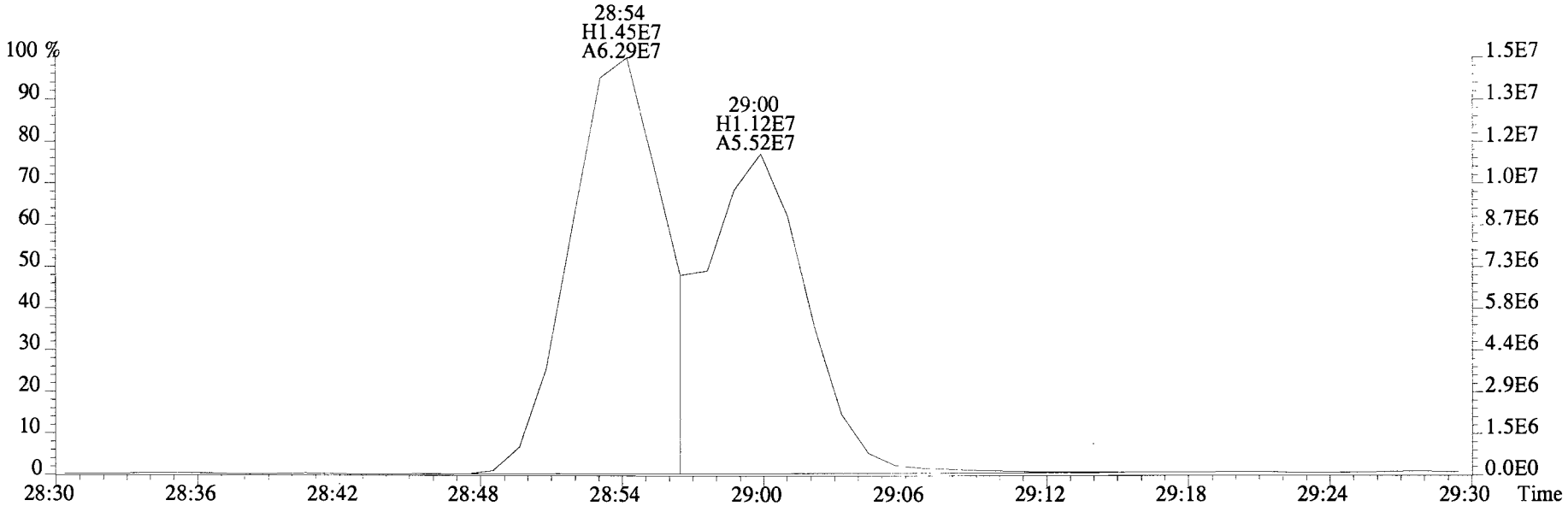

269.9986 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,149136.0,0.00%,F,F)



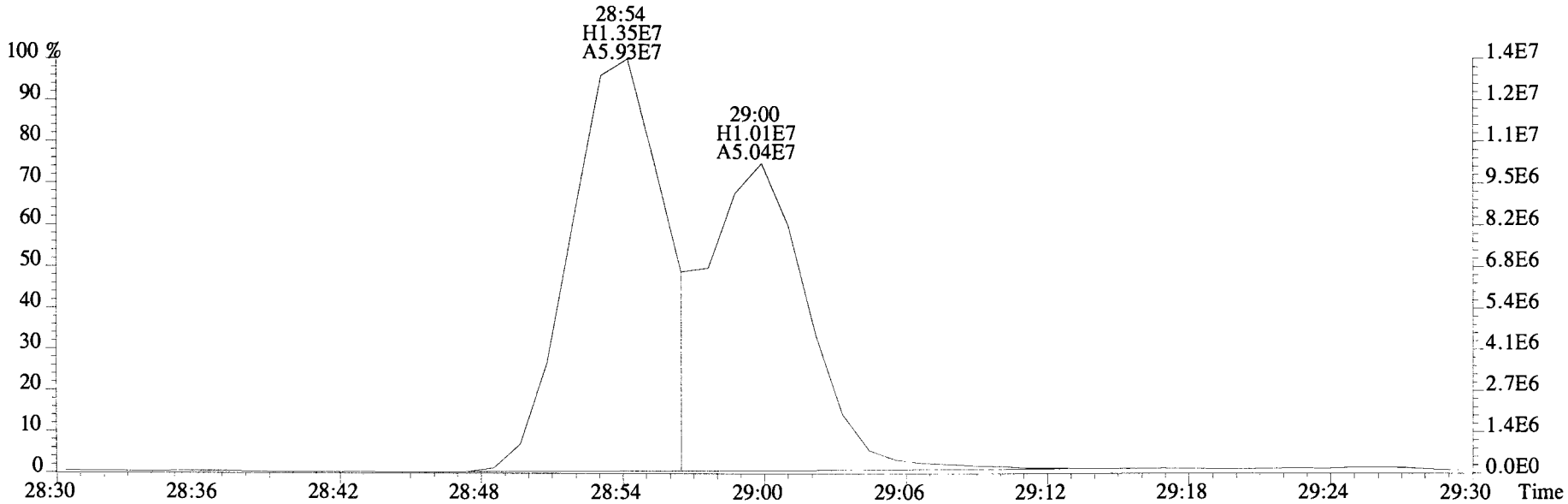

330.9792 S:6 F:3



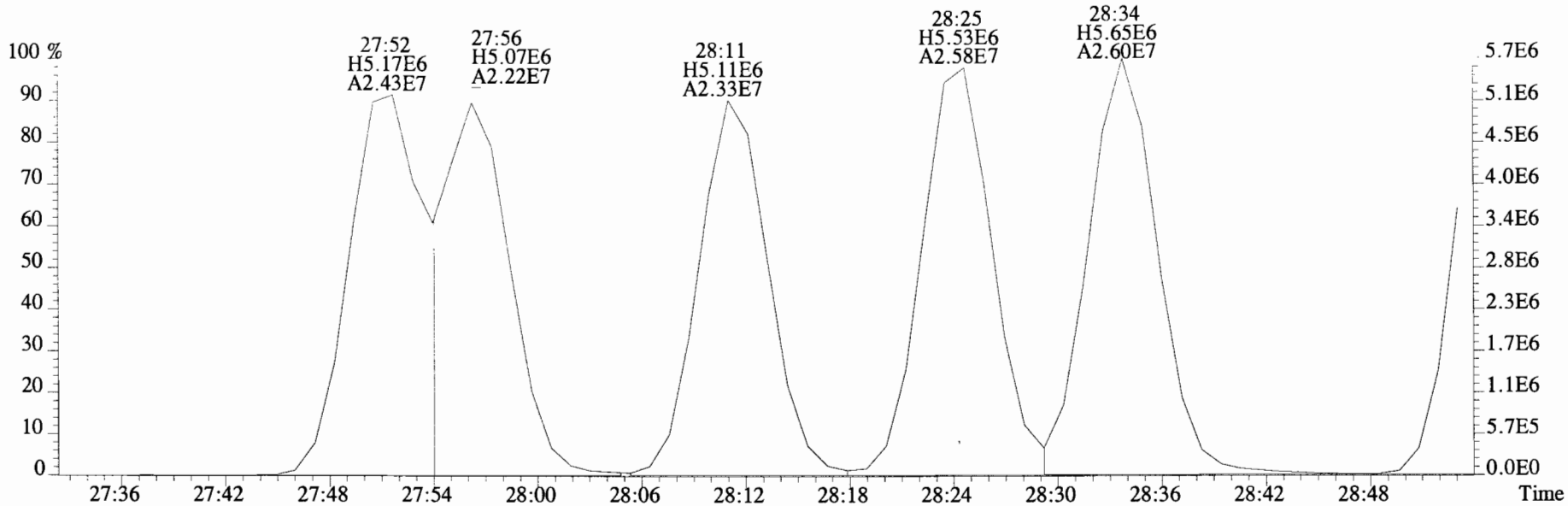
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
268.0016 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,112084.0,0.00%,F,F)



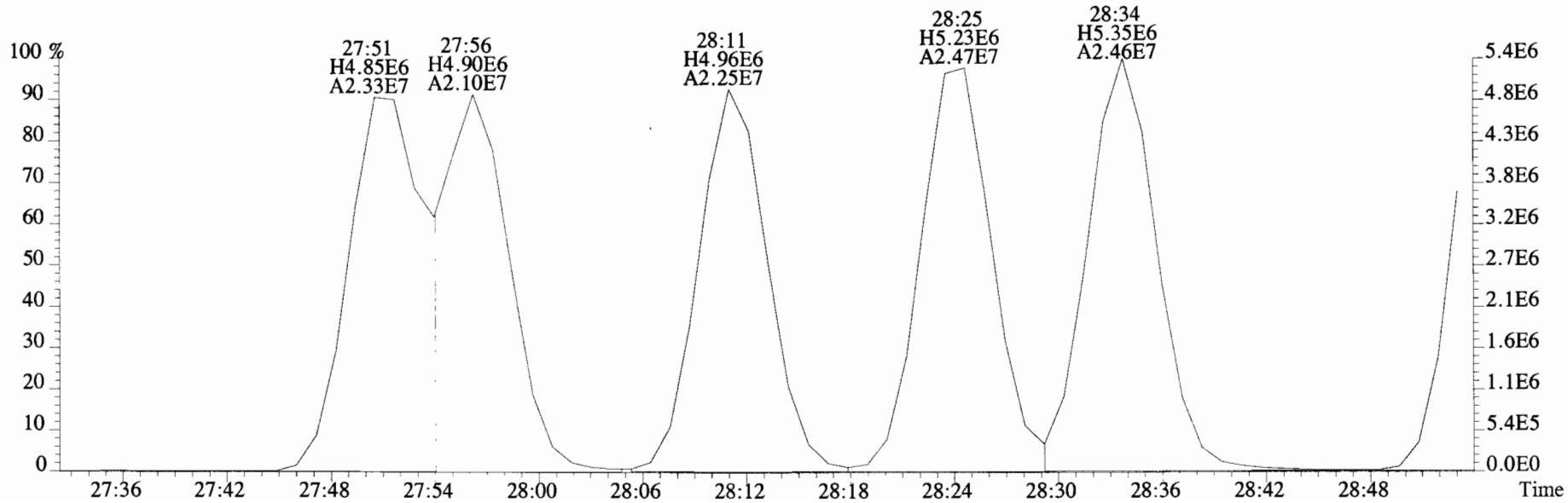

269.9986 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,149136.0,0.00%,F,F)



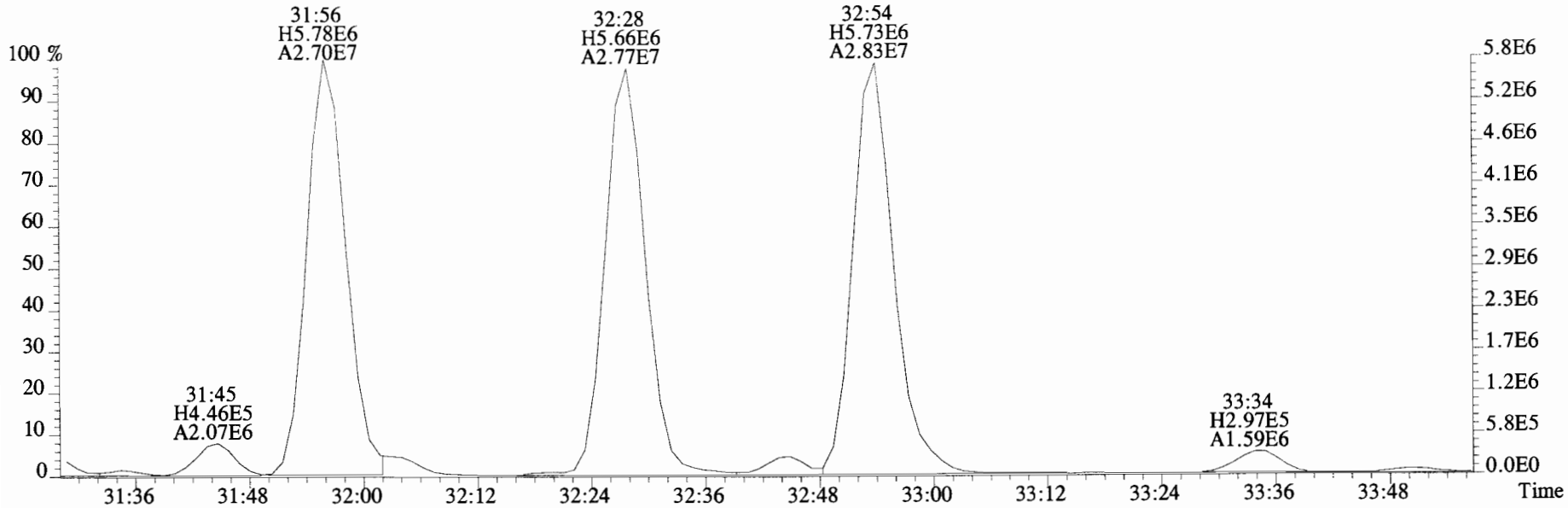
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
255.9613 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18276.0,0.00%,F,F)



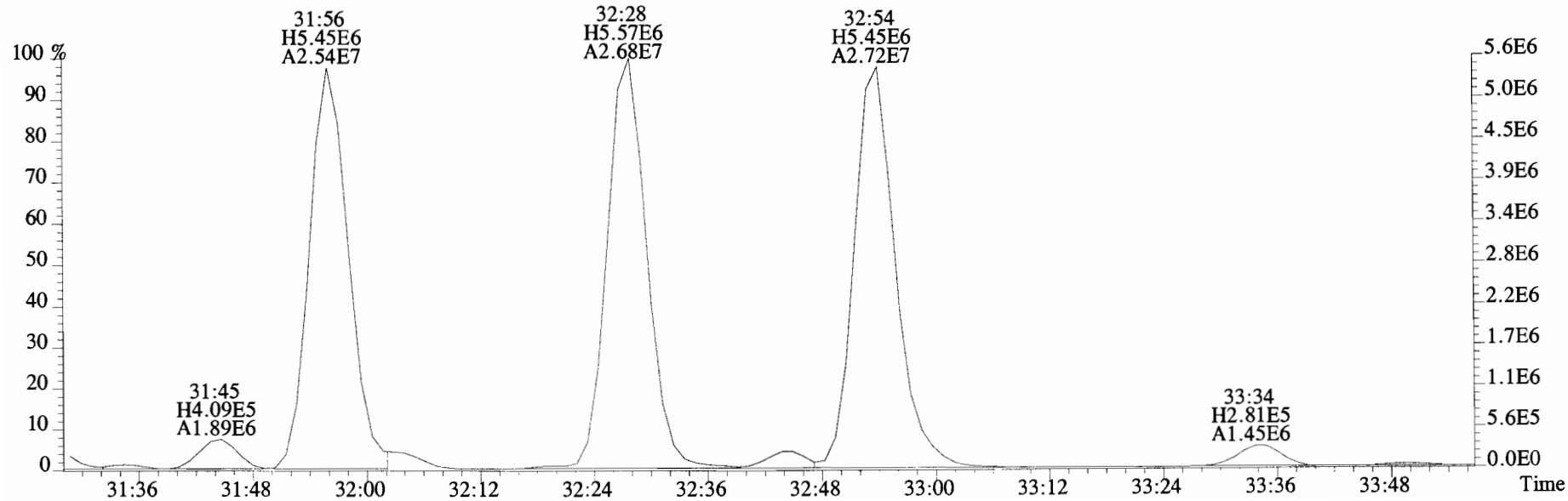

257.9584 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21356.0,0.00%,F,F)



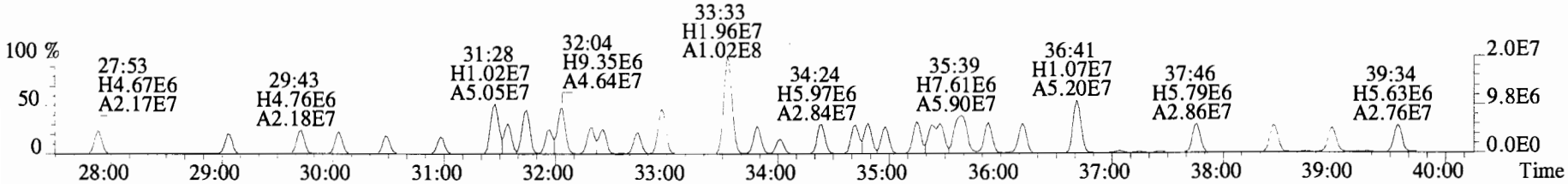
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
255.9613 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18276.0,0.00%,F,F)



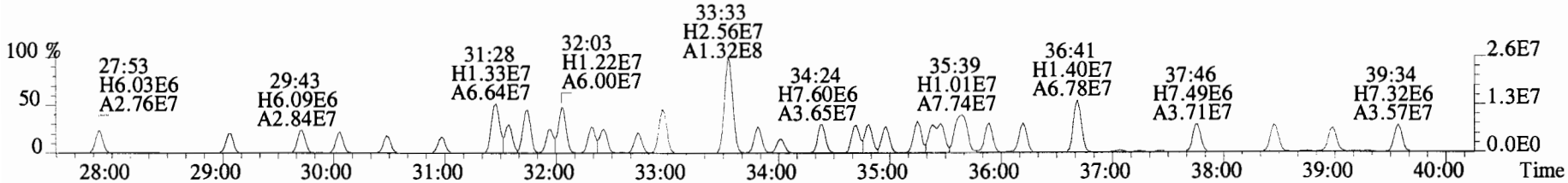

257.9584 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21356.0,0.00%,F,F)



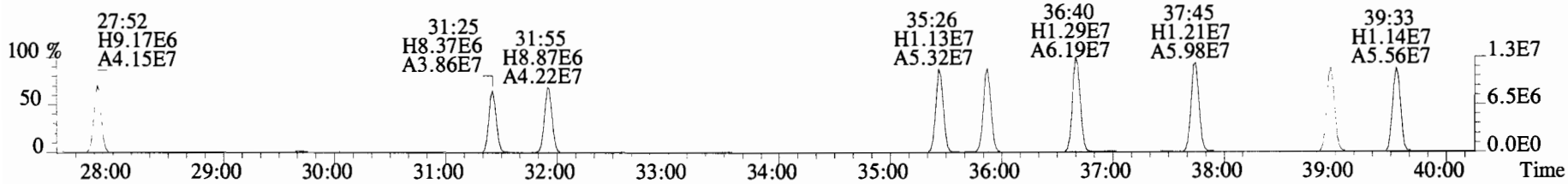
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17668.0,0.00%,F,F)



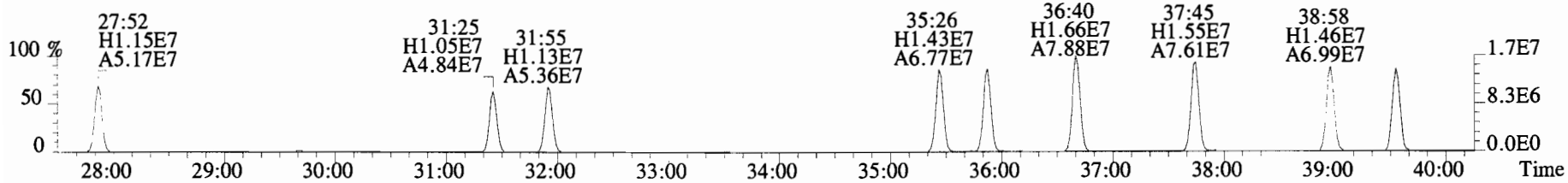

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21824.0,0.00%,F,F)



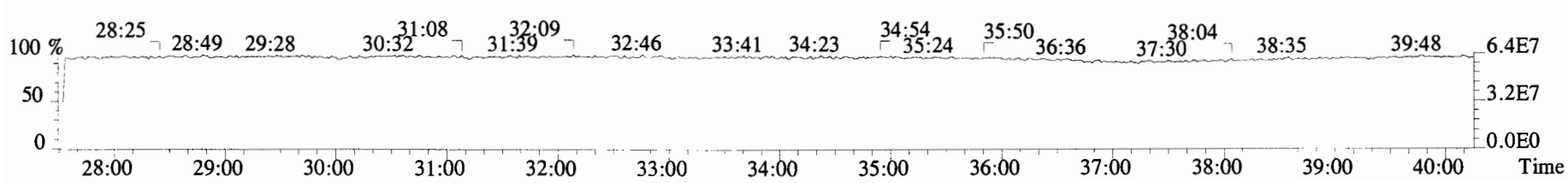

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30316.0,0.00%,F,F)




303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18924.0,0.00%,F,F)

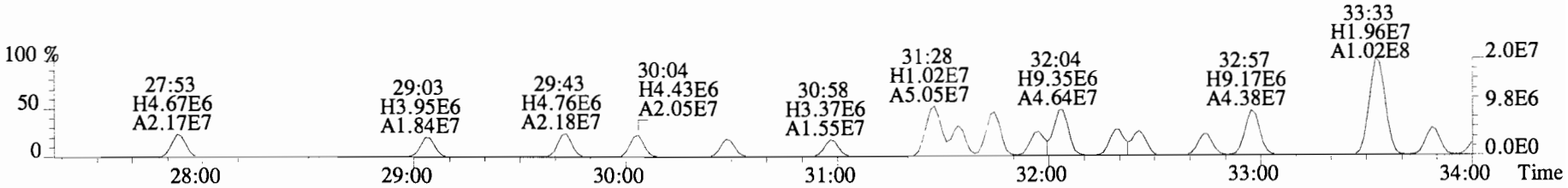



330.9792 S:6 F:3

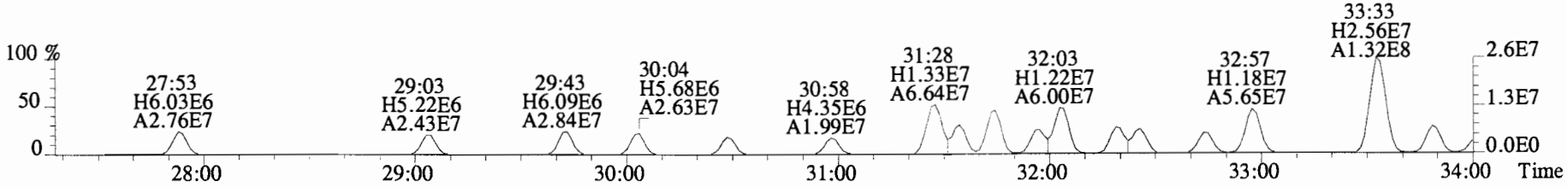


File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1

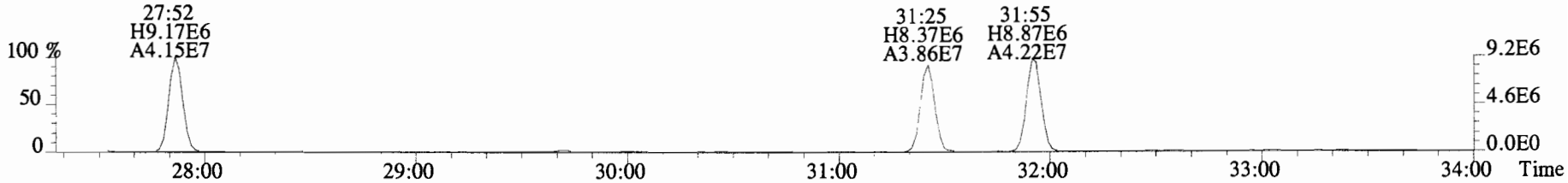
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17668.0,0.00%,F,F)



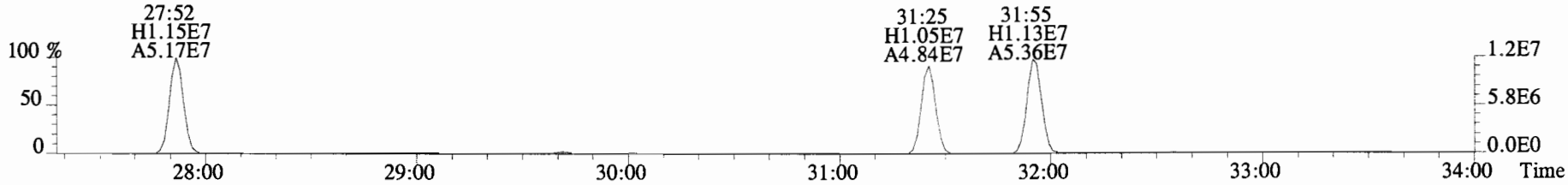

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21824.0,0.00%,F,F)



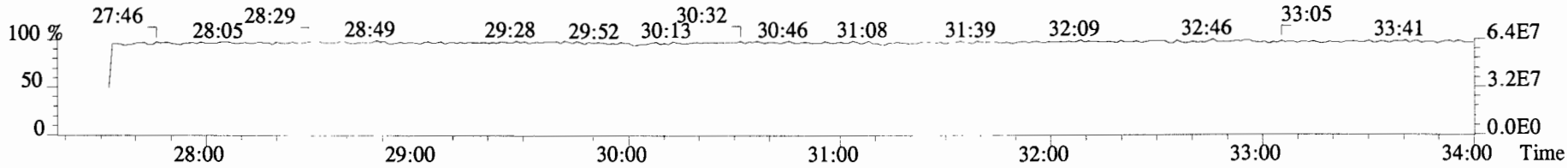

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30316.0,0.00%,F,F)



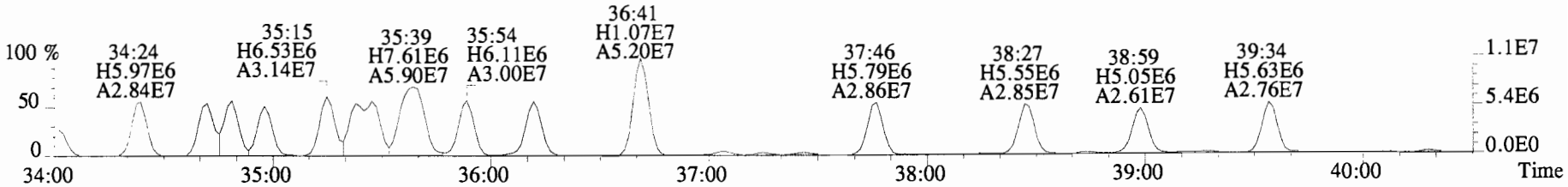

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18924.0,0.00%,F,F)



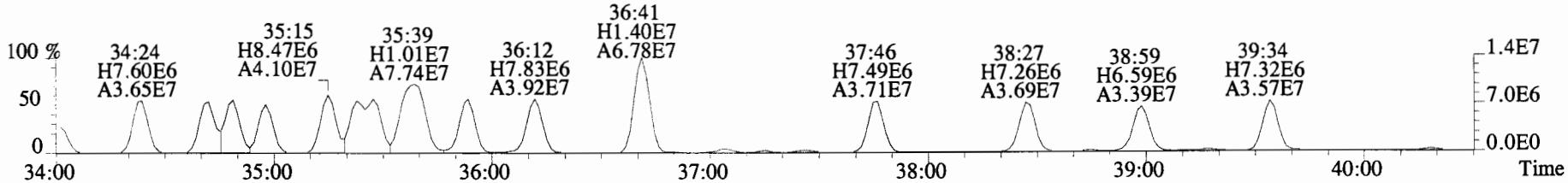

330.9792 S:6 F:3



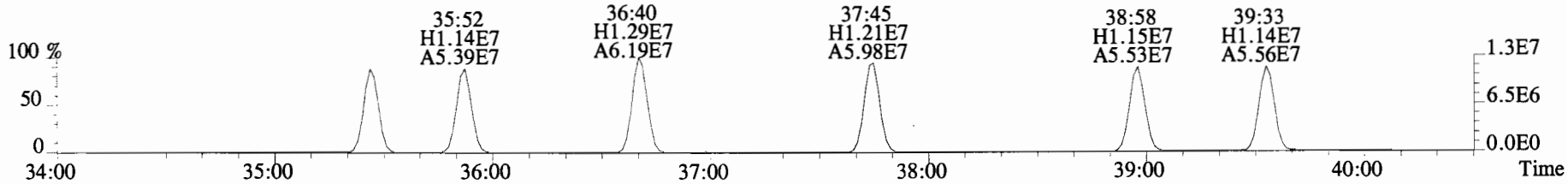
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17668.0,0.00%,F,F)



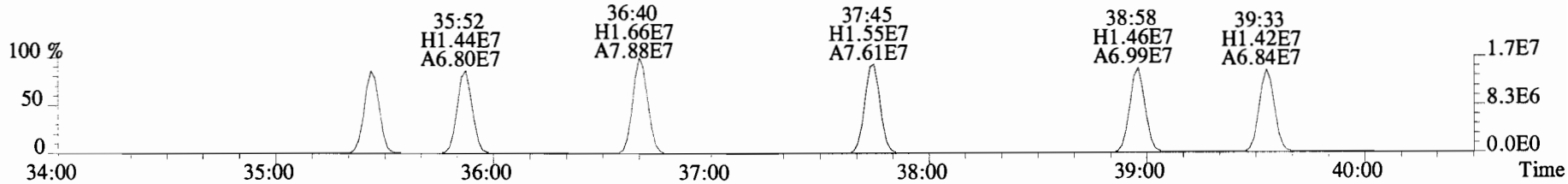

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21824.0,0.00%,F,F)



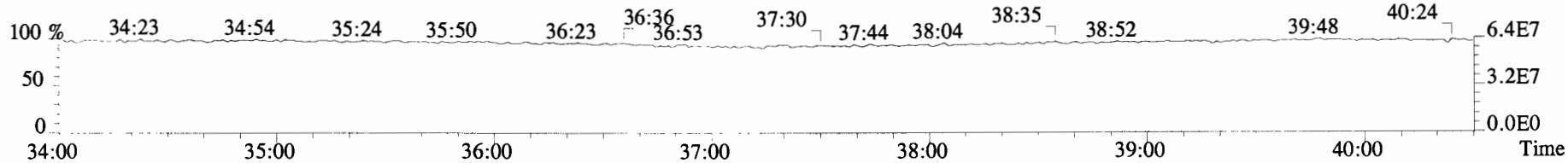

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30316.0,0.00%,F,F)



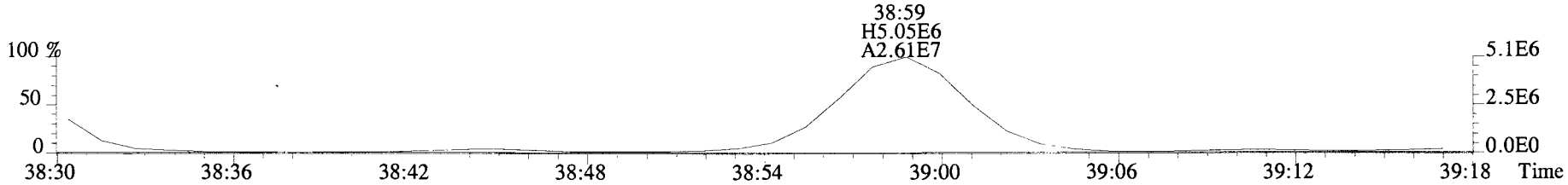

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18924.0,0.00%,F,F)



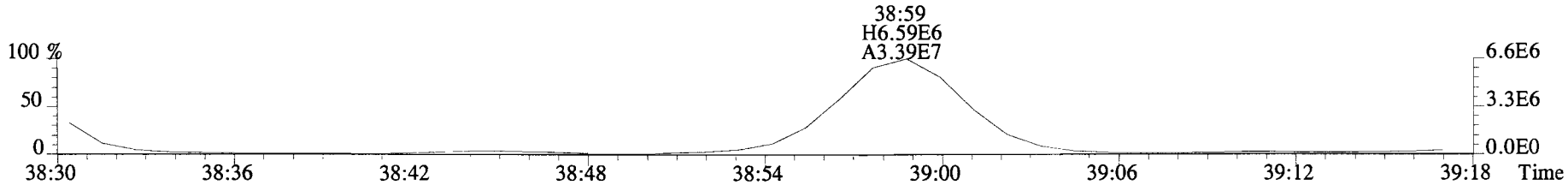

330.9792 S:6 F:3



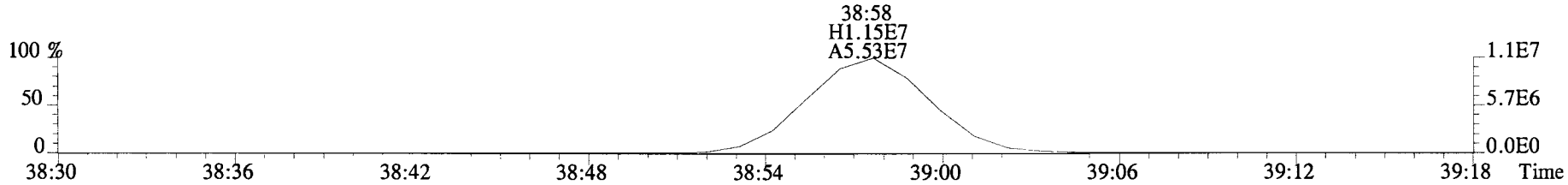
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17668.0,0.00%,F,F)



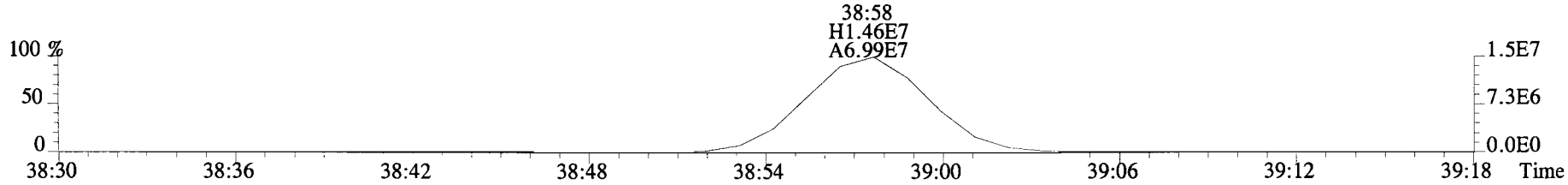

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21824.0,0.00%,F,F)



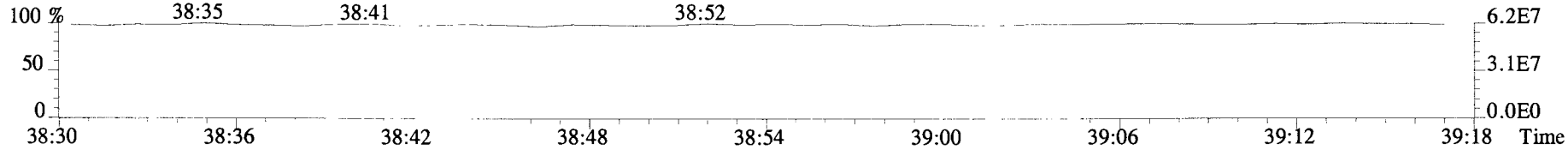

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30316.0,0.00%,F,F)



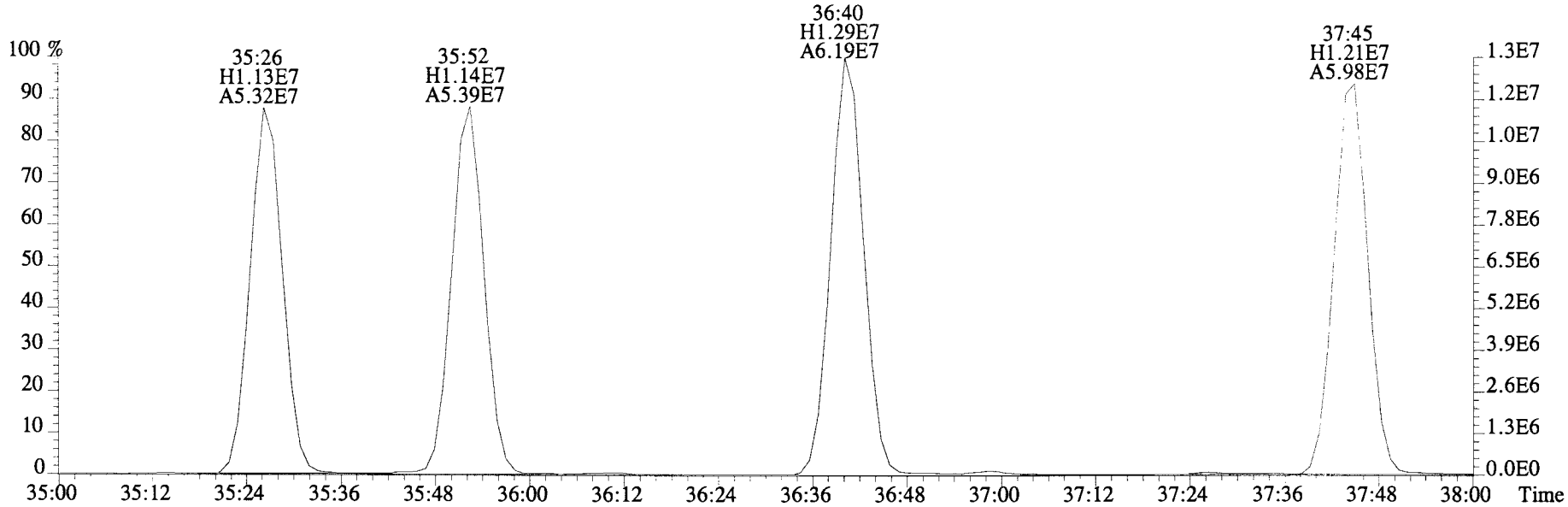

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18924.0,0.00%,F,F)



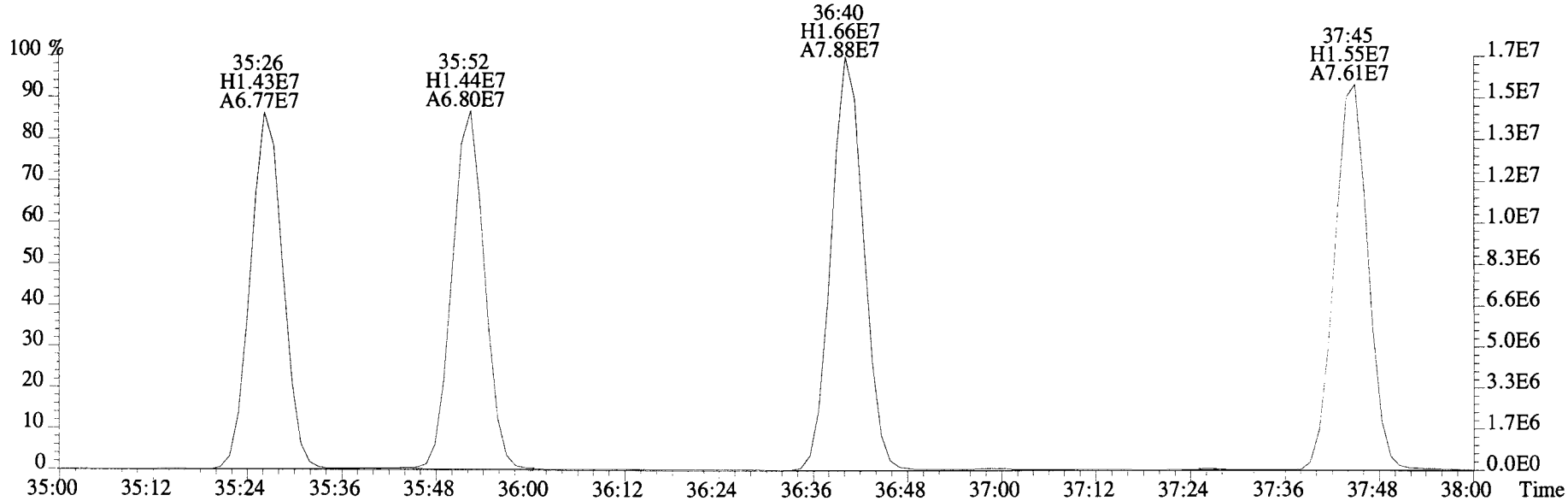

330.9792 S:6 F:3



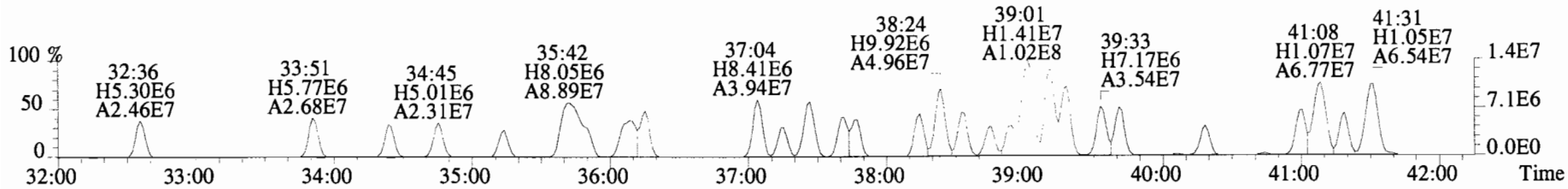
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30316.0,0.00%,F,F)



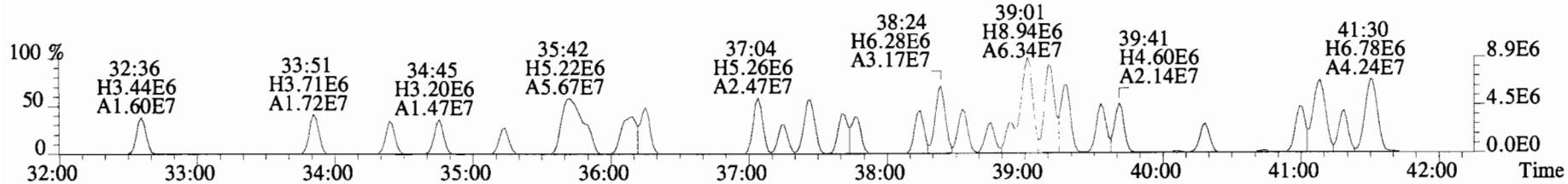

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18924.0,0.00%,F,F)



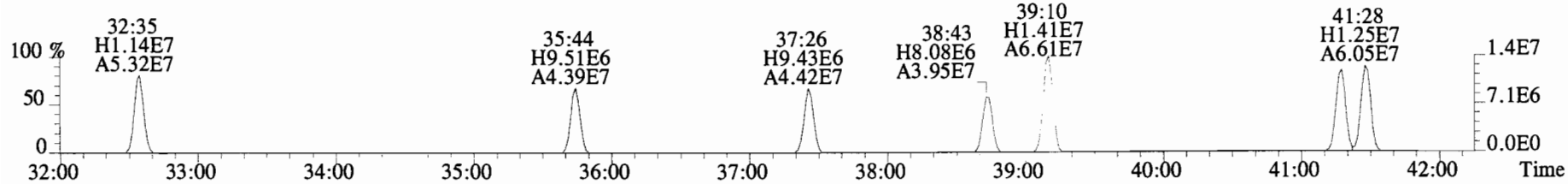
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2052.0,0.00%,F,F)



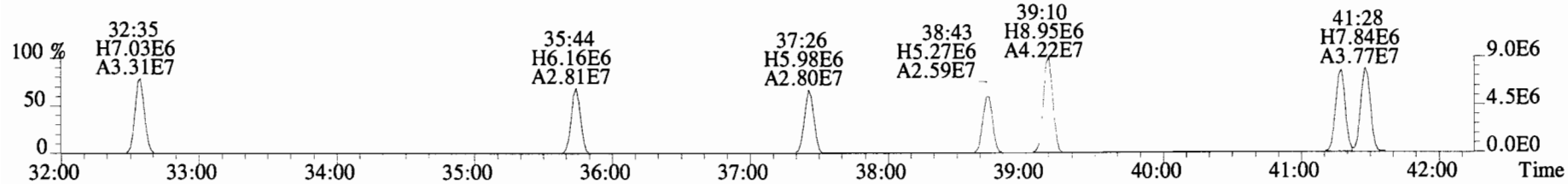

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2468.0,0.00%,F,F)



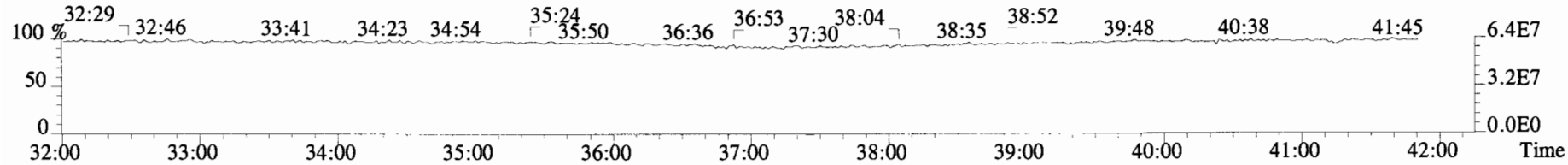

337.9207 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3932.0,0.00%,F,F)



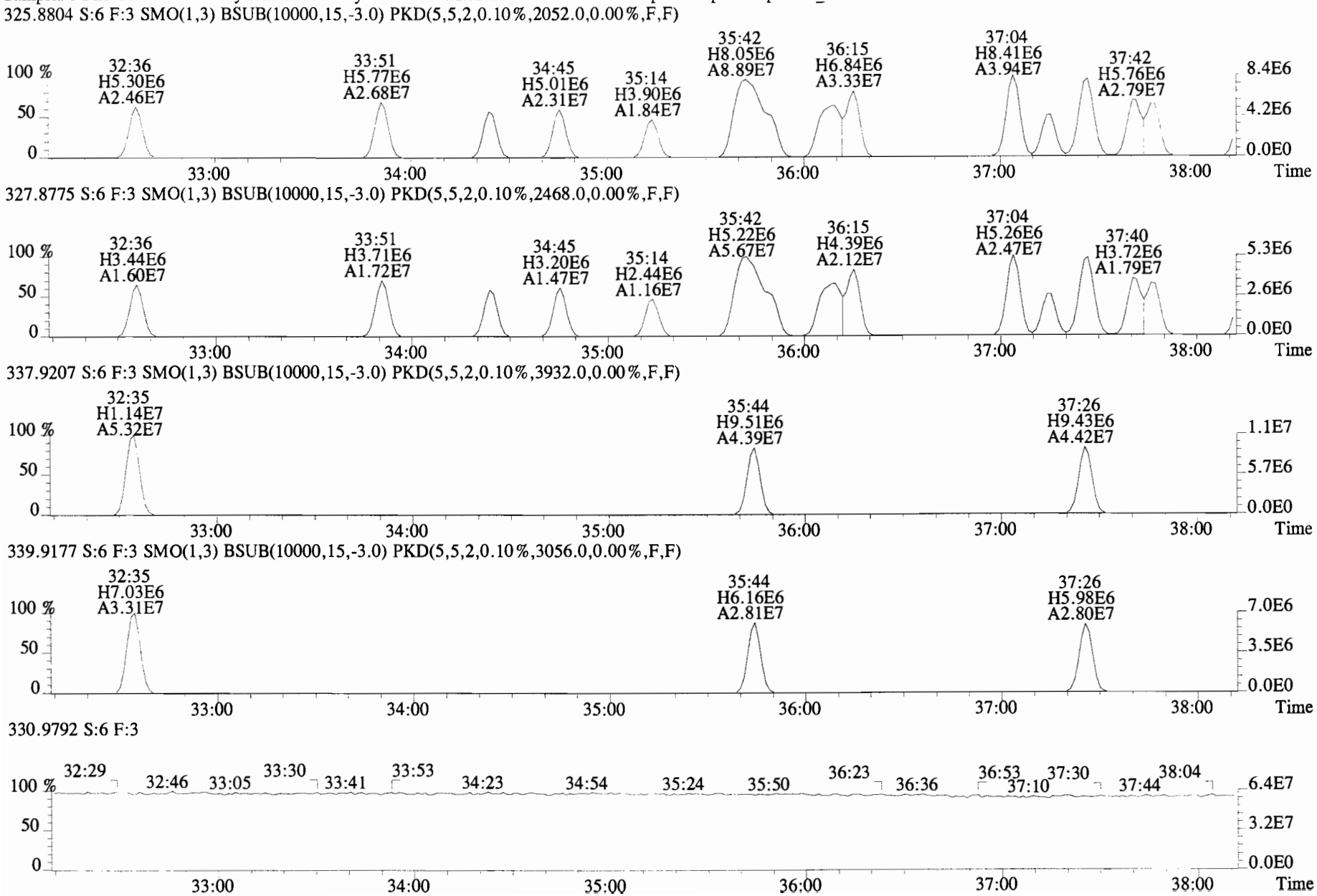

339.9177 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3056.0,0.00%,F,F)




330.9792 S:6 F:3

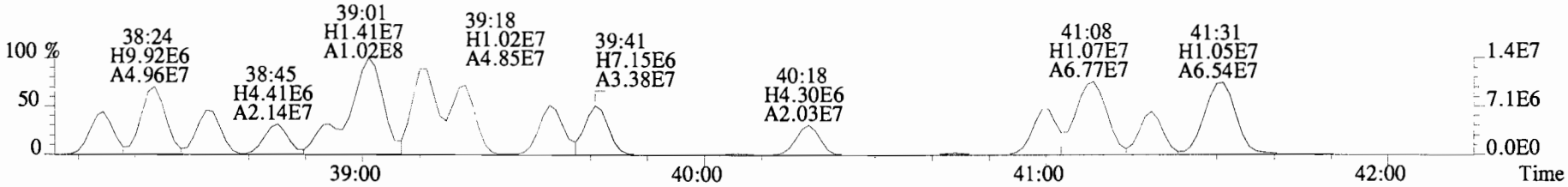


File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1

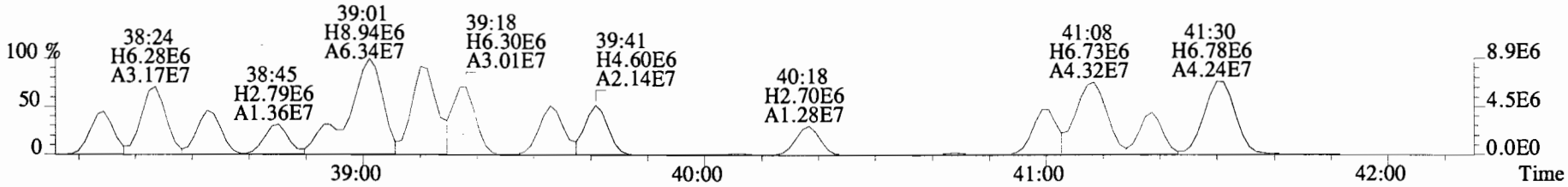


File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1

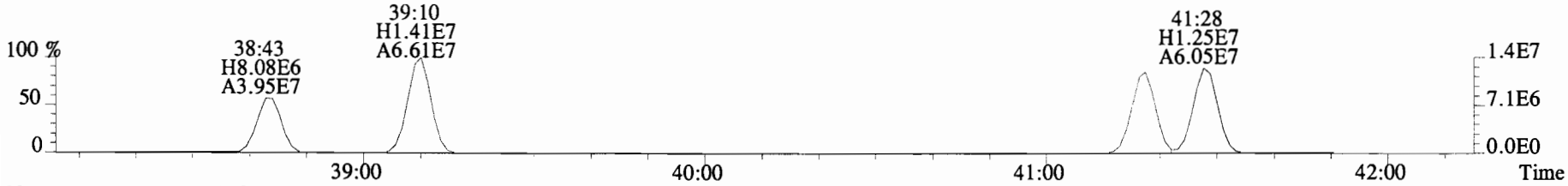
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2052.0,0.00%,F,F)



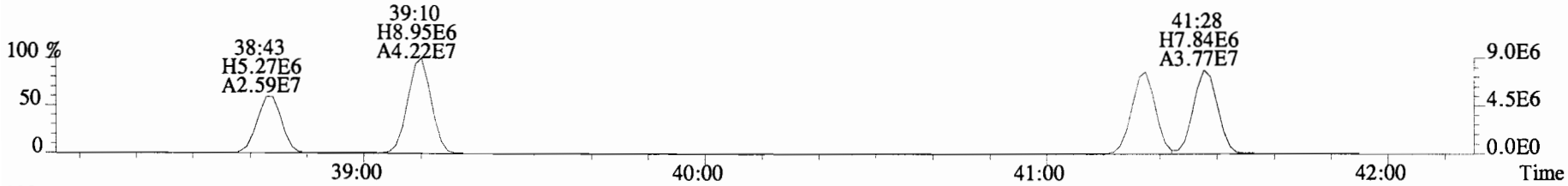

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2468.0,0.00%,F,F)



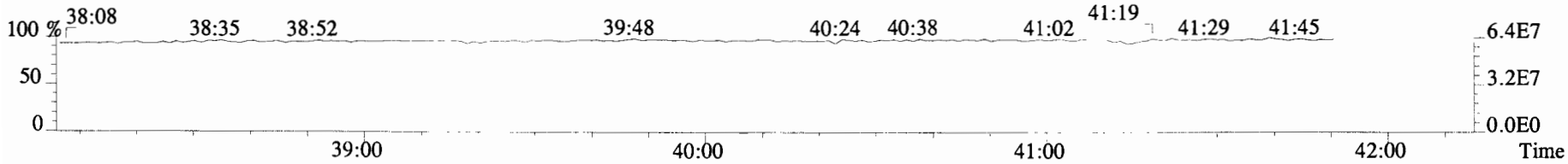

337.9207 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3932.0,0.00%,F,F)



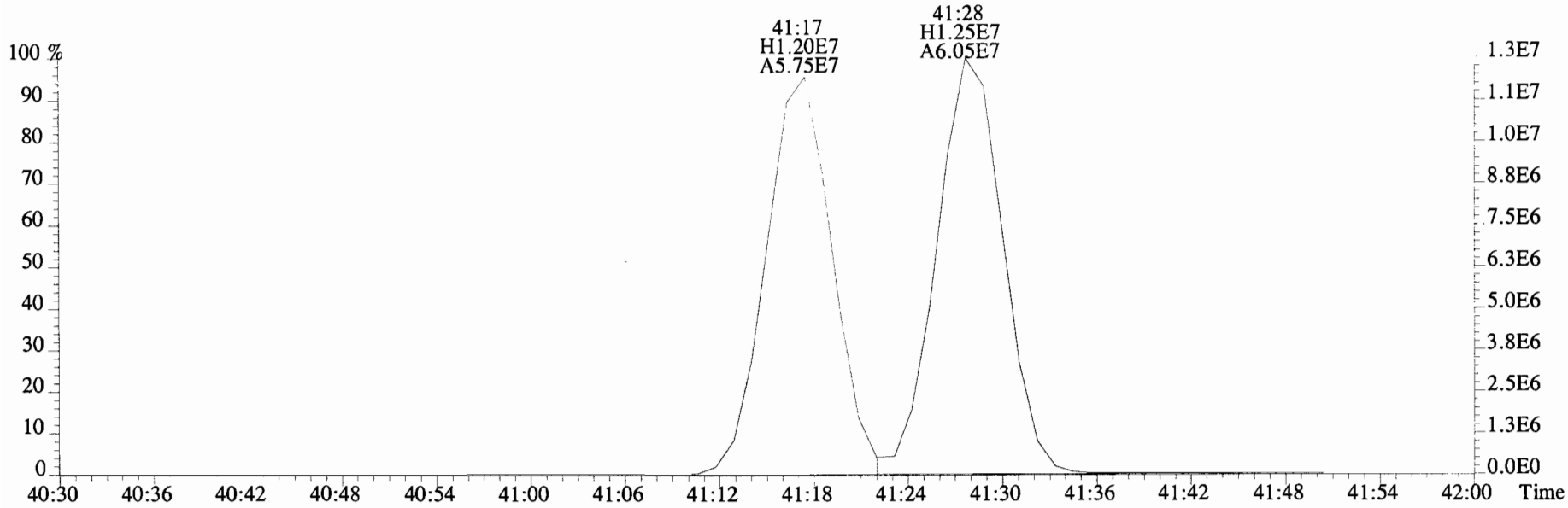

339.9177 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3056.0,0.00%,F,F)



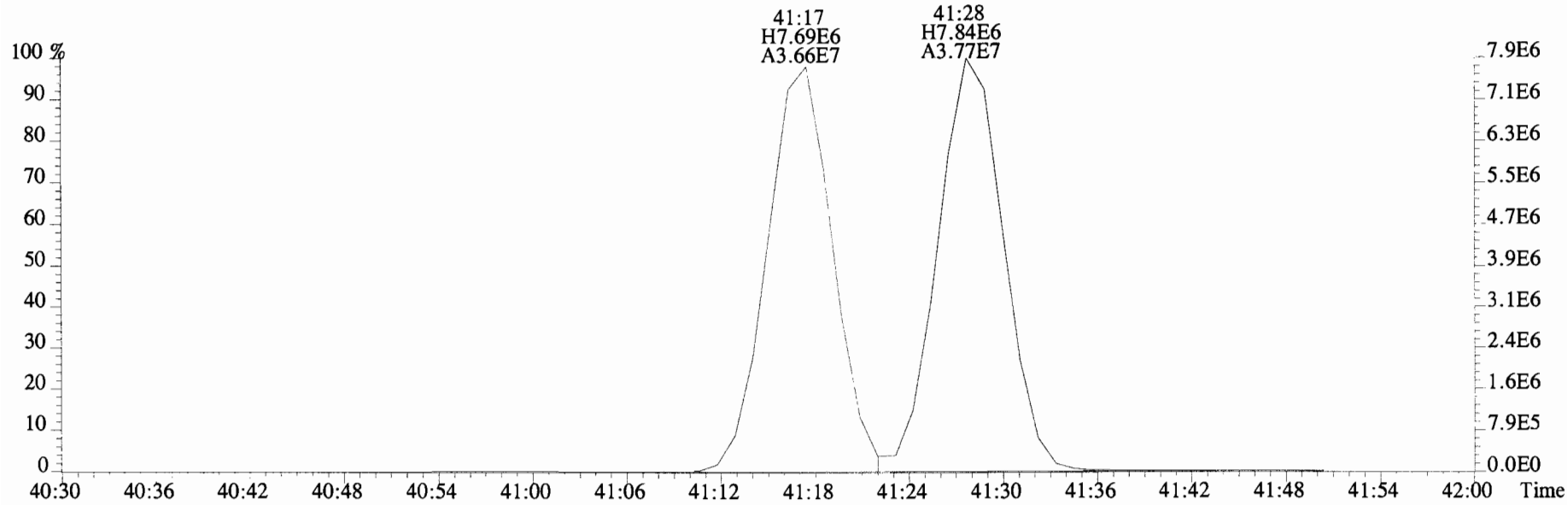

330.9792 S:6 F:3



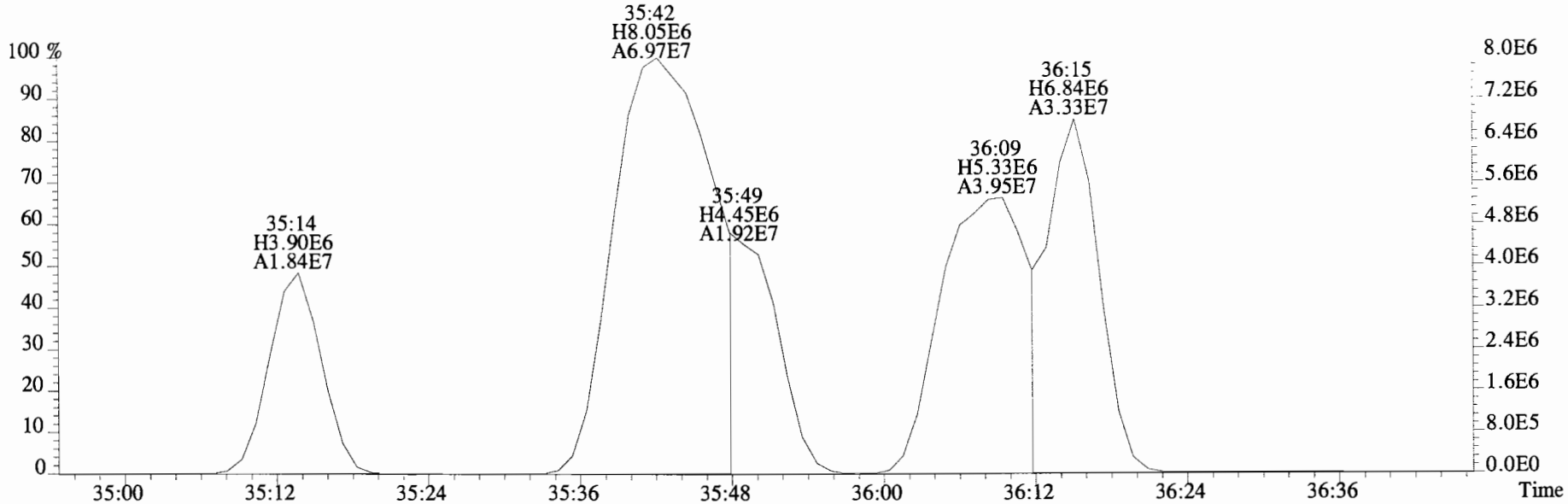
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
337.9207 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3932.0,0.00%,F,F)



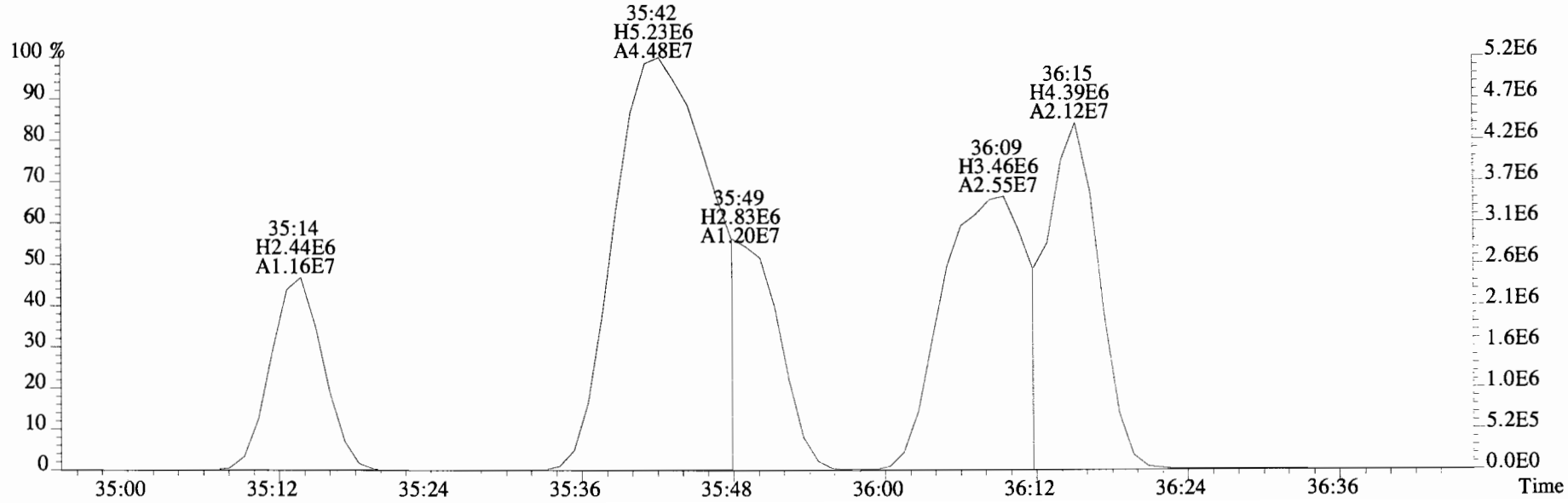

339.9177 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3056.0,0.00%,F,F)



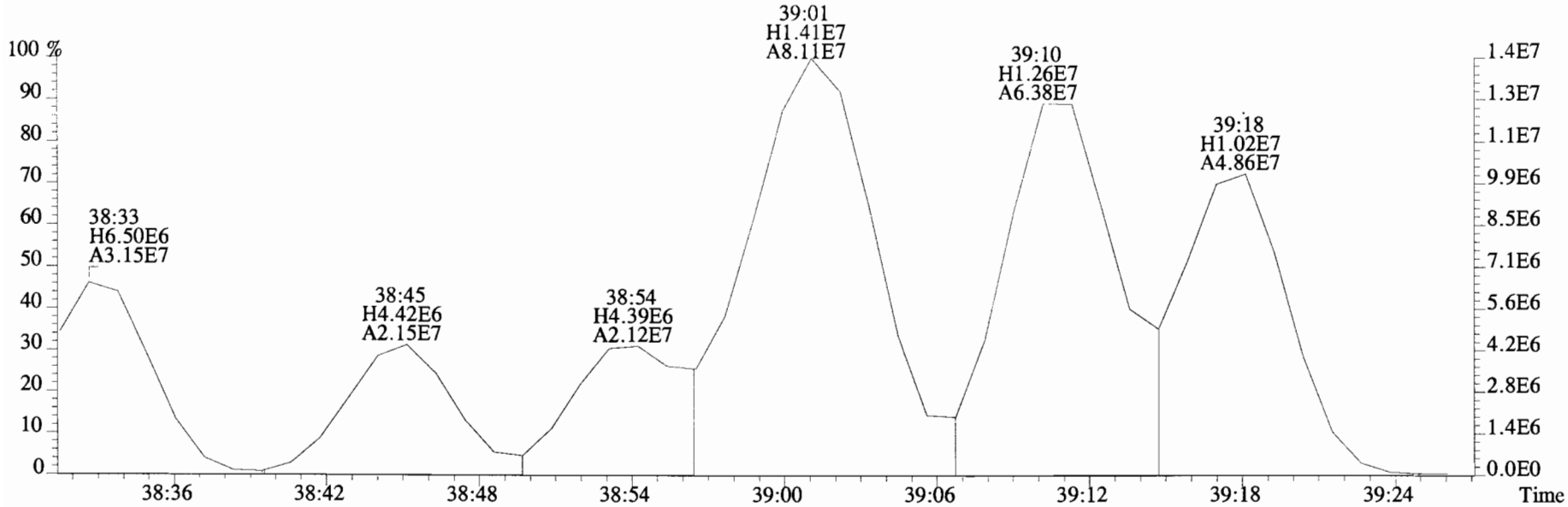
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2052.0,0.00%,F,F)



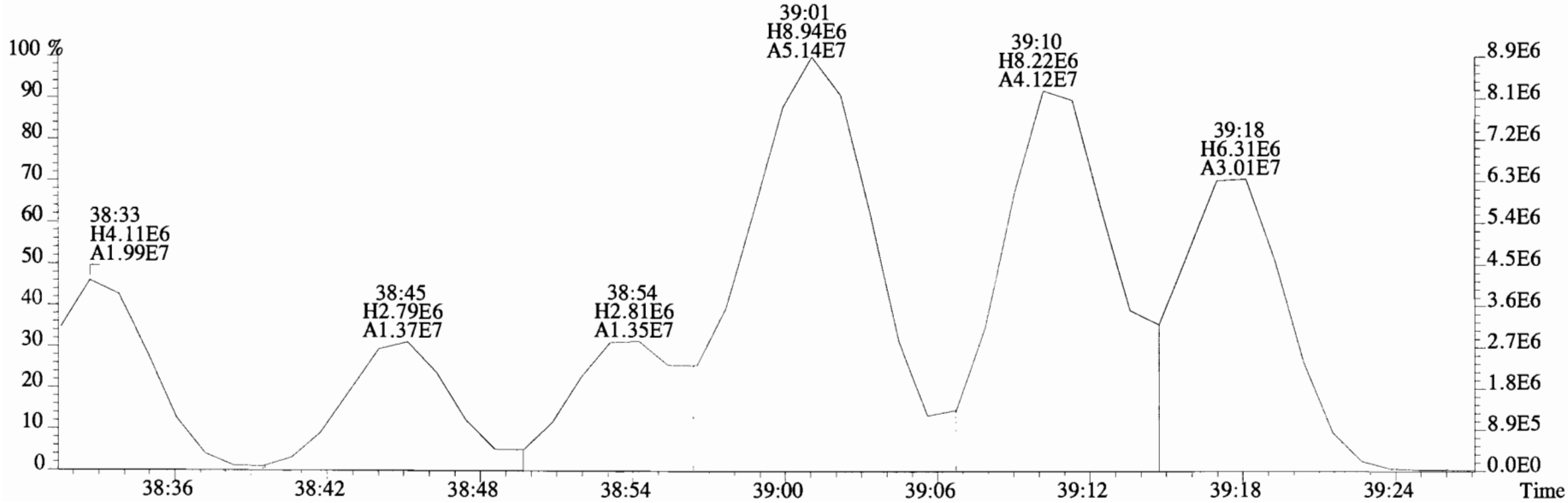

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2468.0,0.00%,F,F)



File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2052.0,0.00%,F,F)

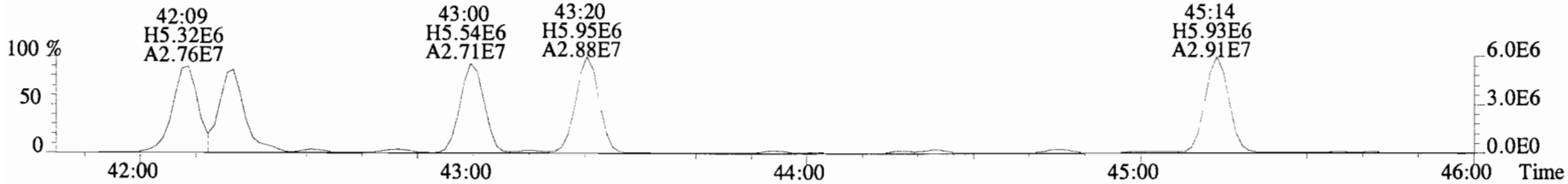



327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2468.0,0.00%,F,F)

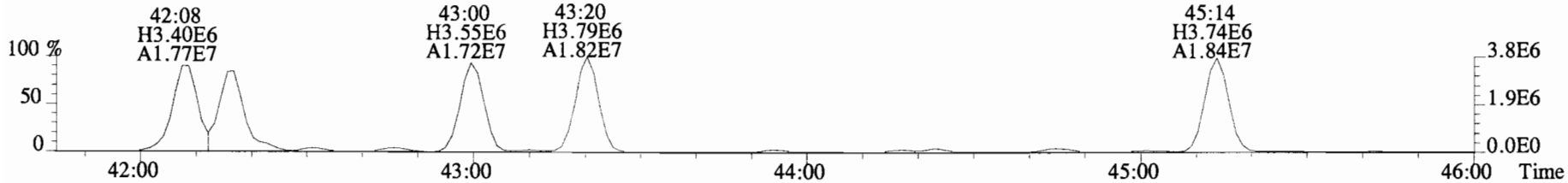


File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1

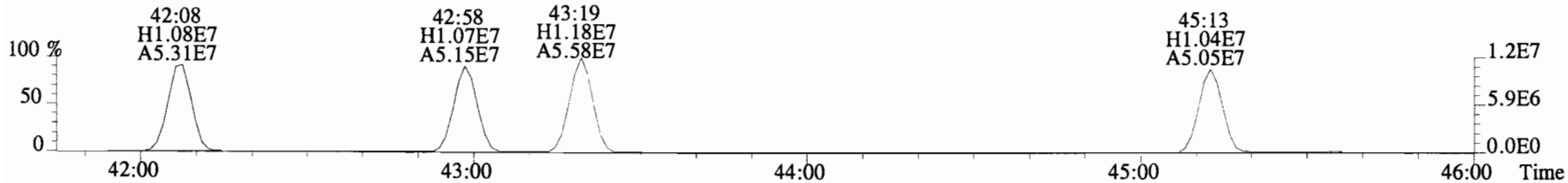
325.8804 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5036.0,0.00%,F,F)



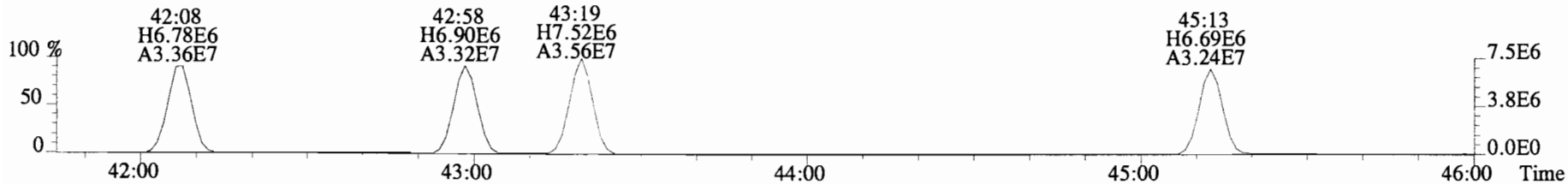

327.8775 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4868.0,0.00%,F,F)



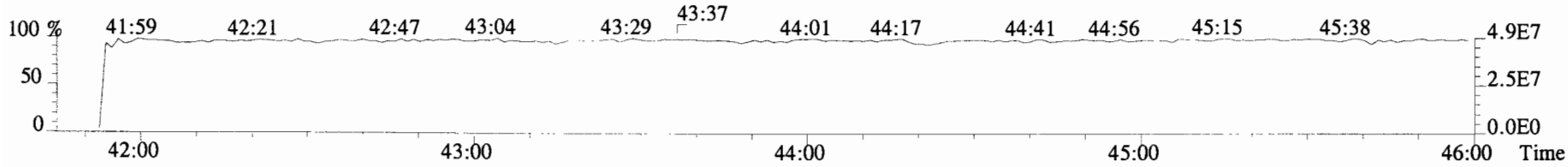

337.9207 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6824.0,0.00%,F,F)



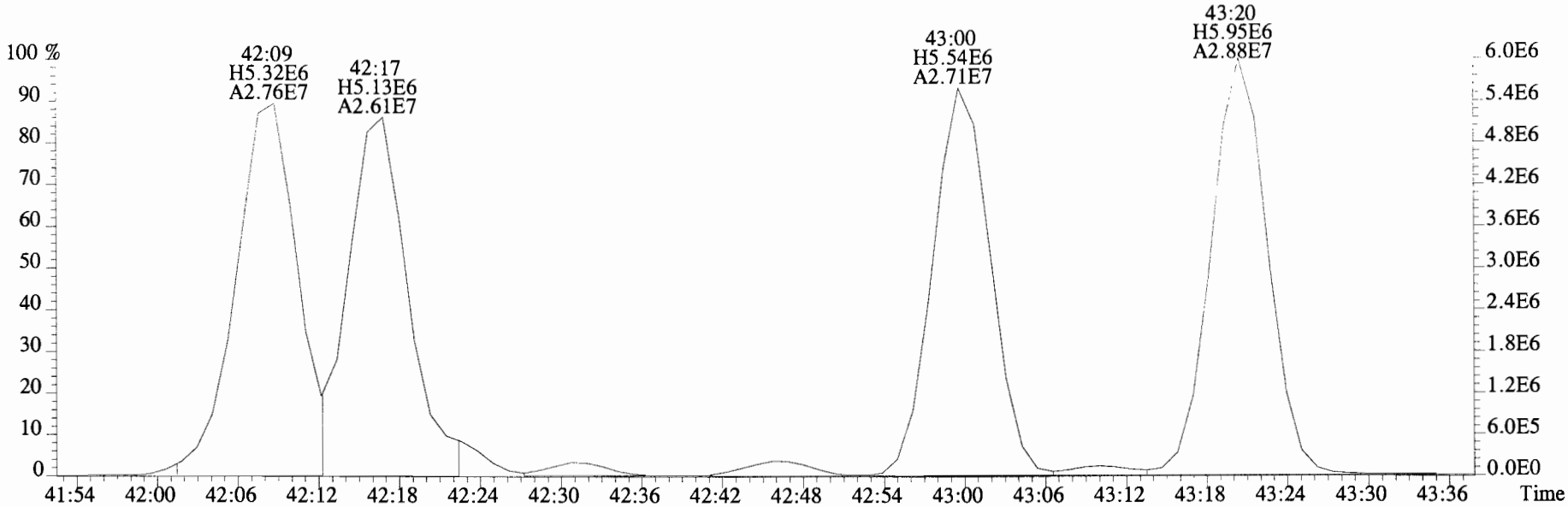

339.9177 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5508.0,0.00%,F,F)



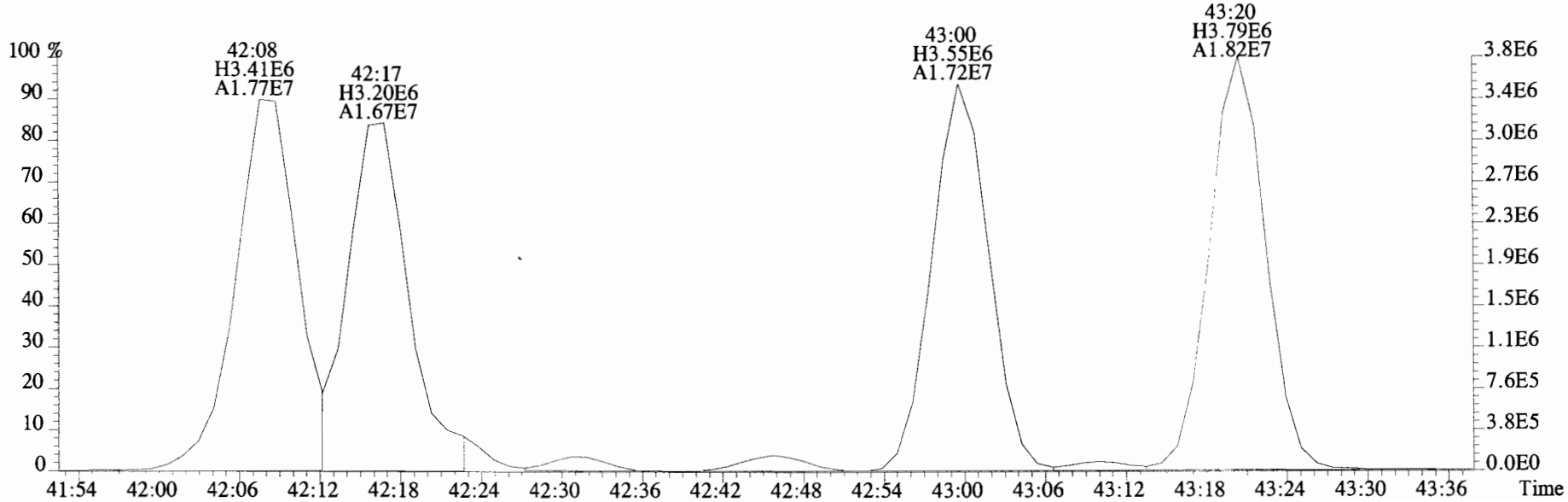

380.9760 S:6 F:4



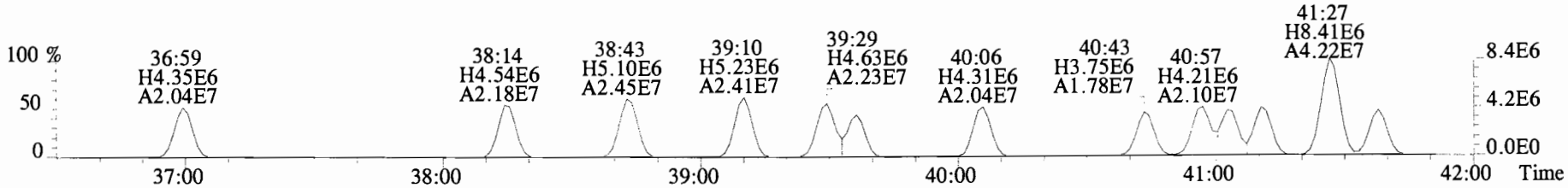
File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
325.8804 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5036.0,0.00%,F,F)



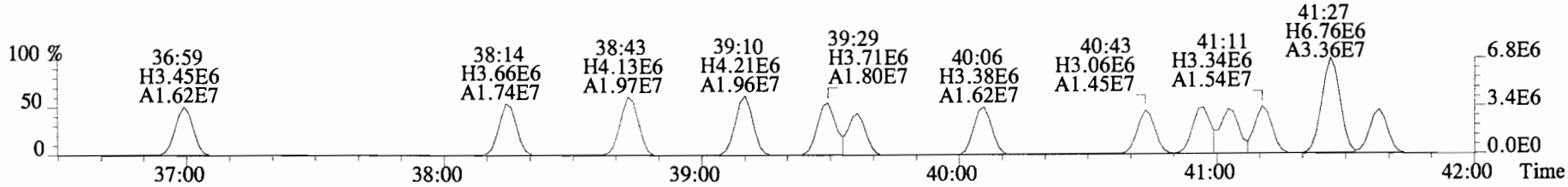

327.8775 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4868.0,0.00%,F,F)



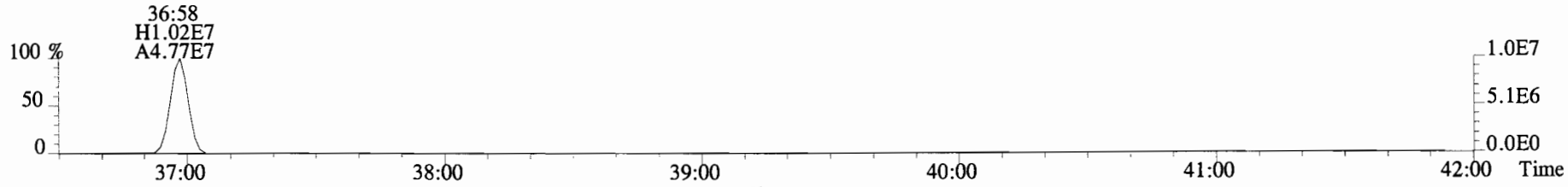
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
359.8415 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1812.0,0.00%,F,F)



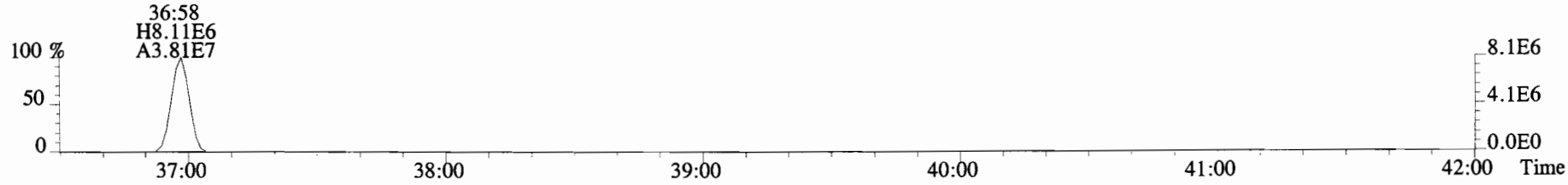

361.8385 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1884.0,0.00%,F,F)



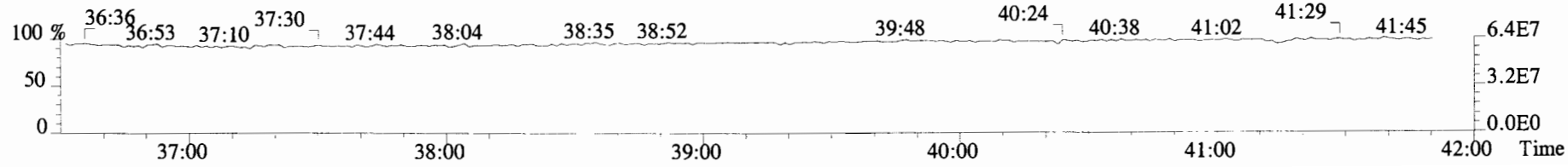

371.8817 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1828.0,0.00%,F,F)



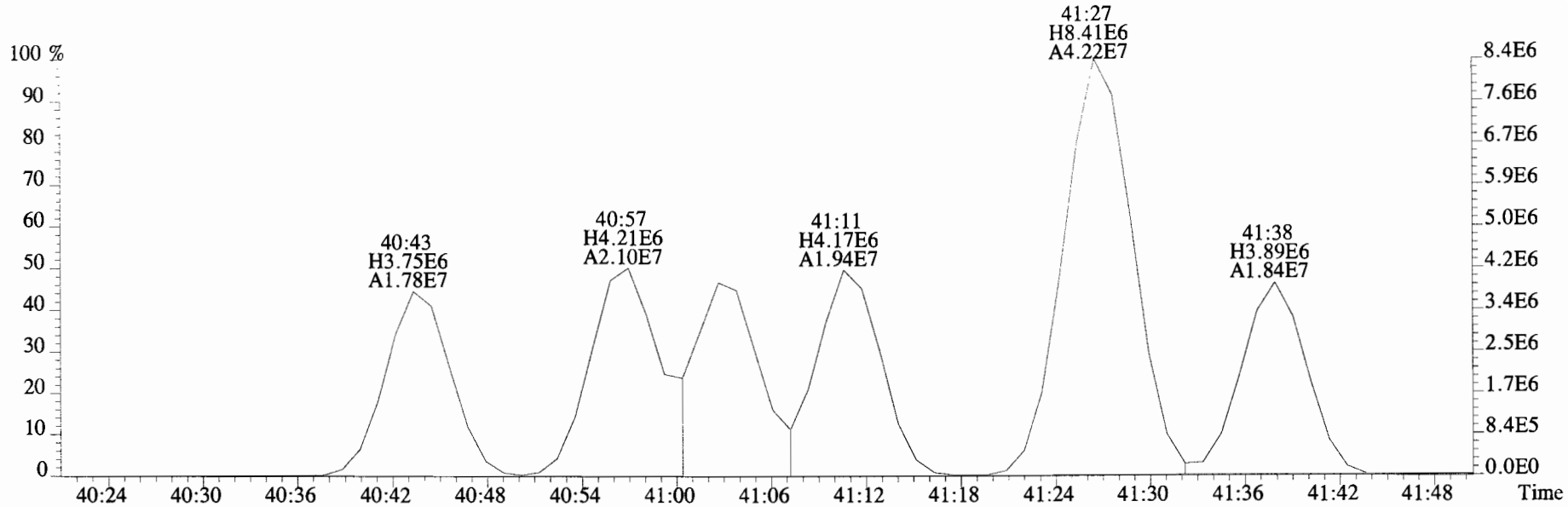

373.8788 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2256.0,0.00%,F,F)



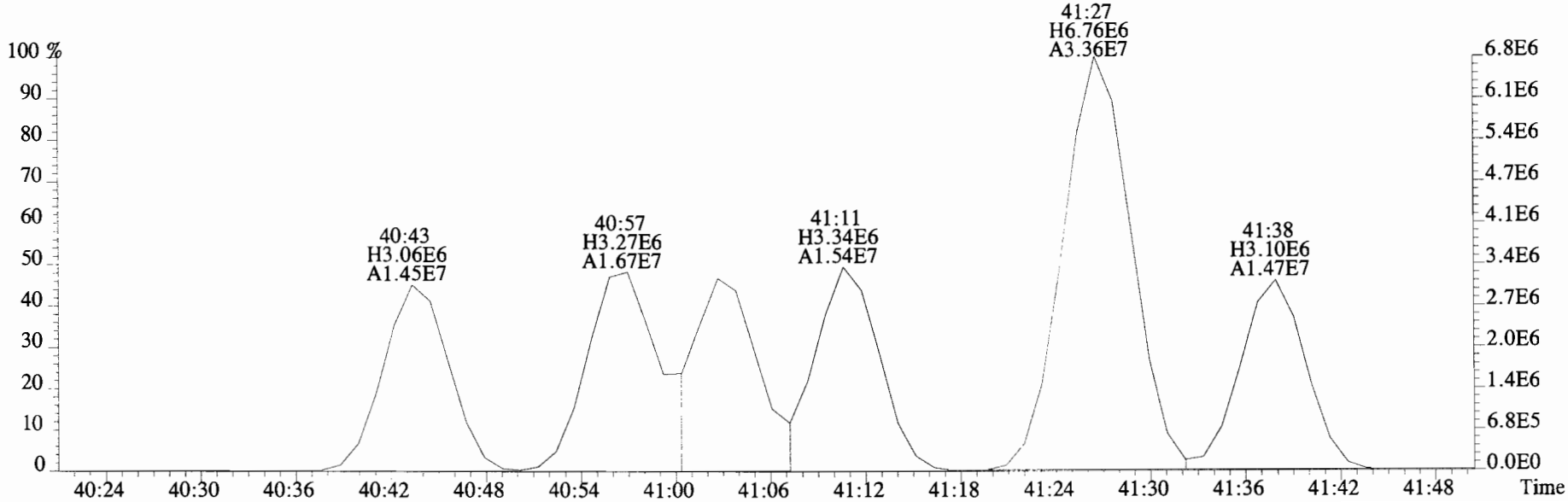

330.9792 S:6 F:3



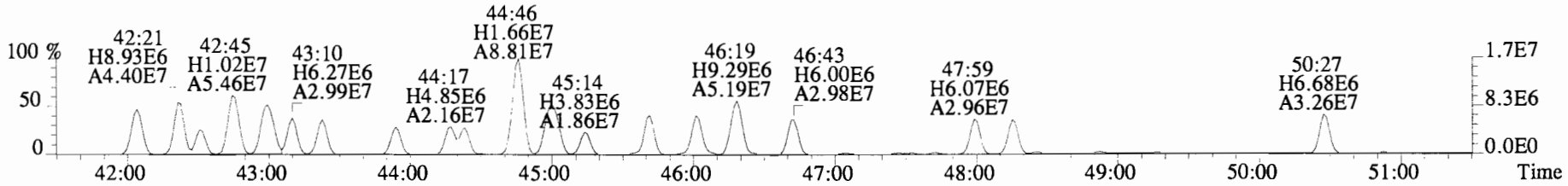
File:180409E1 #1-756 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
359.8415 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1812.0,0.00%,F,F)



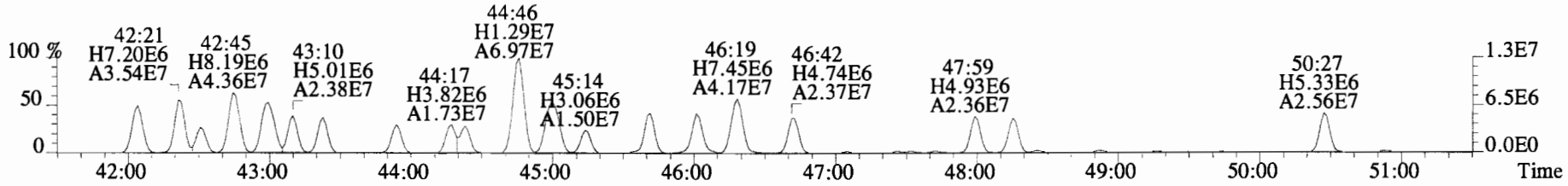

361.8385 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1884.0,0.00%,F,F)



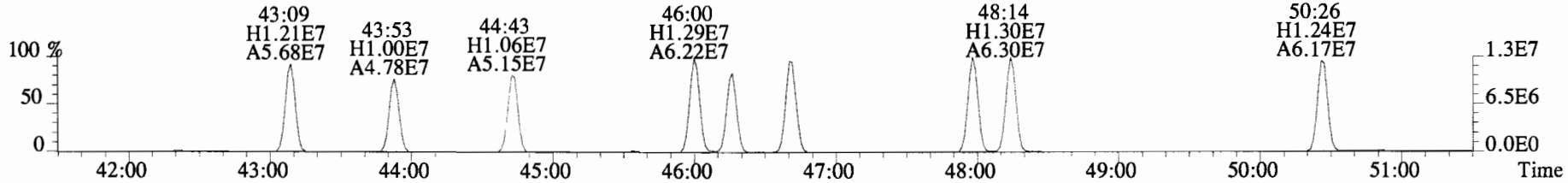
File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
359.8415 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14812.0,0.00%,F,F)



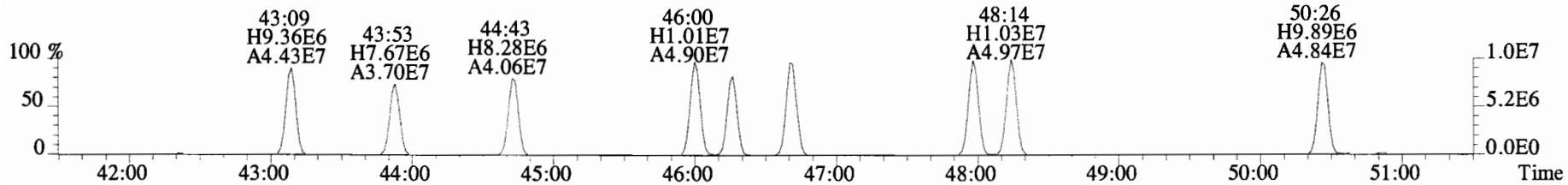

361.8385 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20096.0,0.00%,F,F)



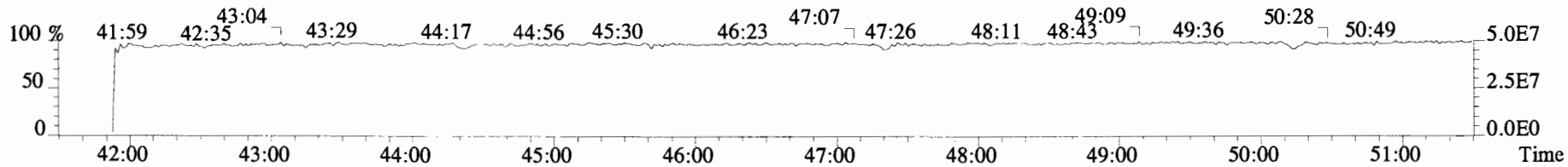

371.8817 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12580.0,0.00%,F,F)



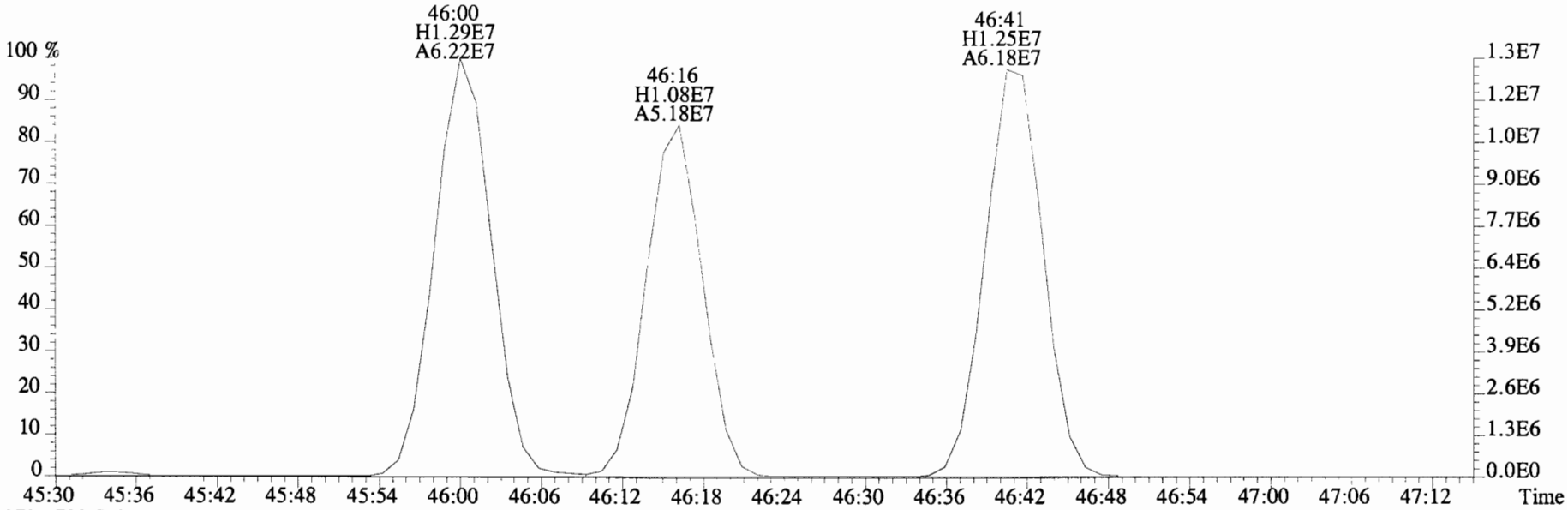

373.8788 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11632.0,0.00%,F,F)



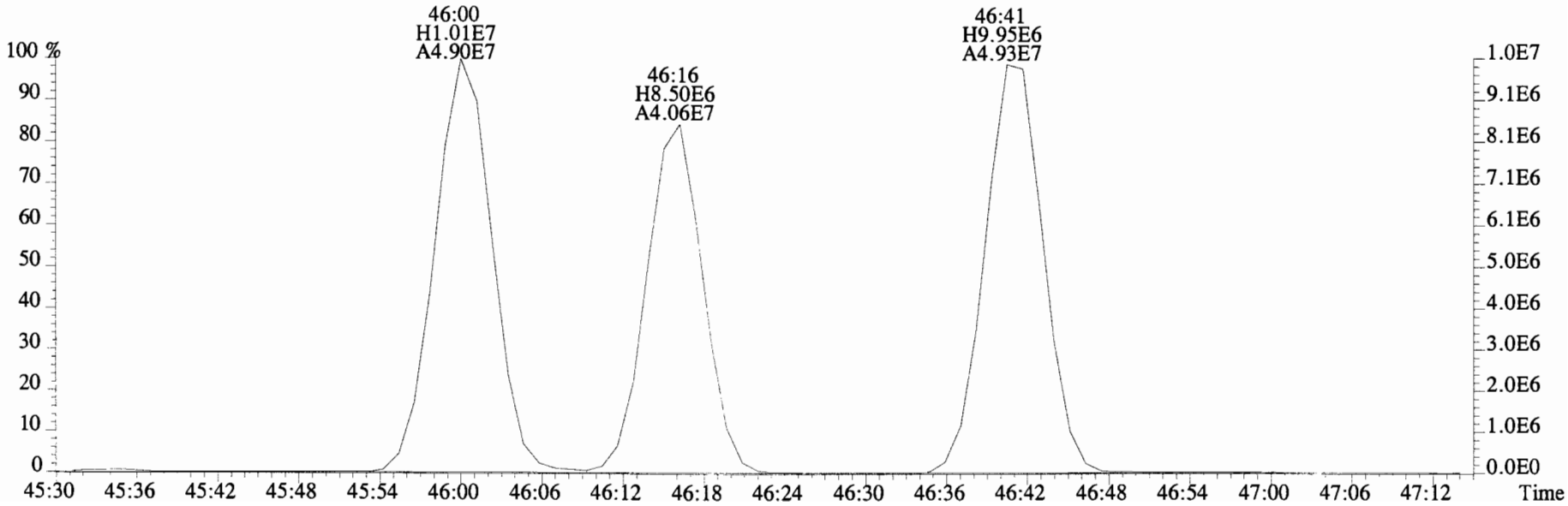

380.9760 S:6 F:4



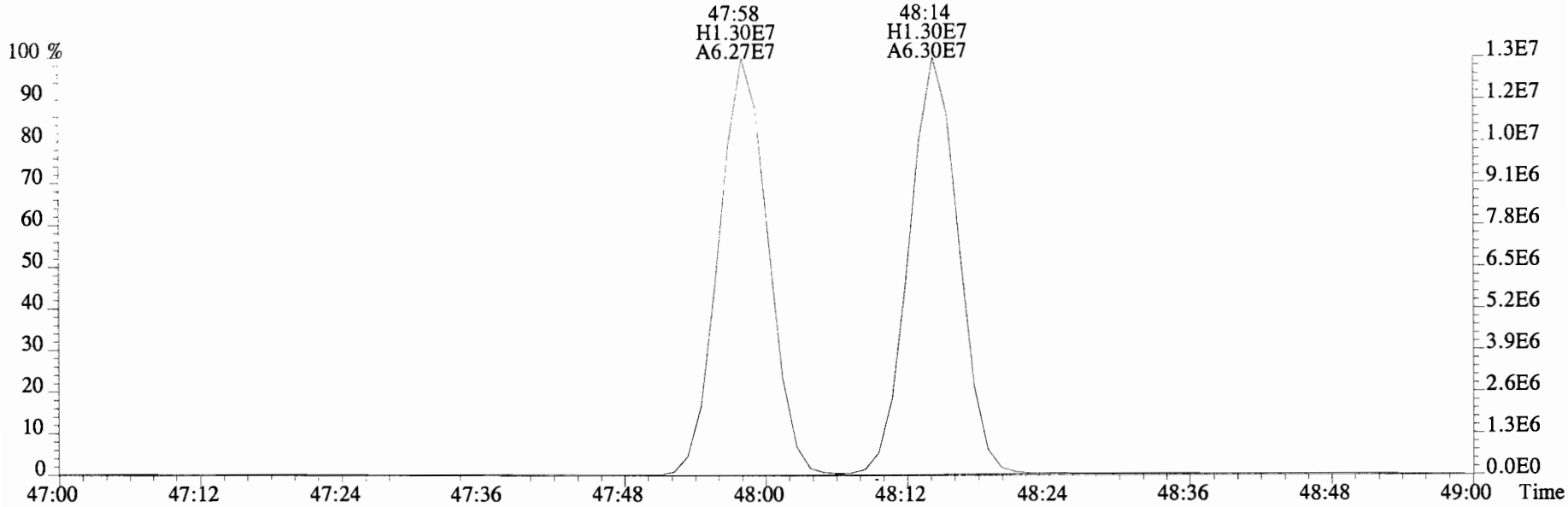
File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
371.8817 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12580.0,0.00%,F,F)



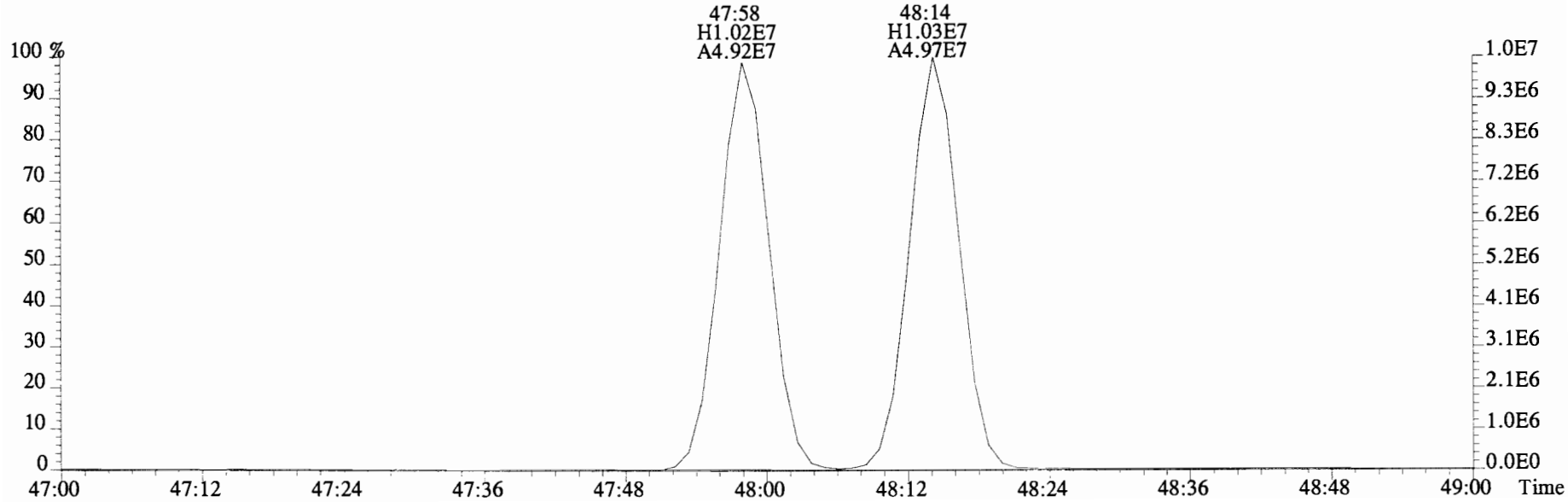

373.8788 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11632.0,0.00%,F,F)



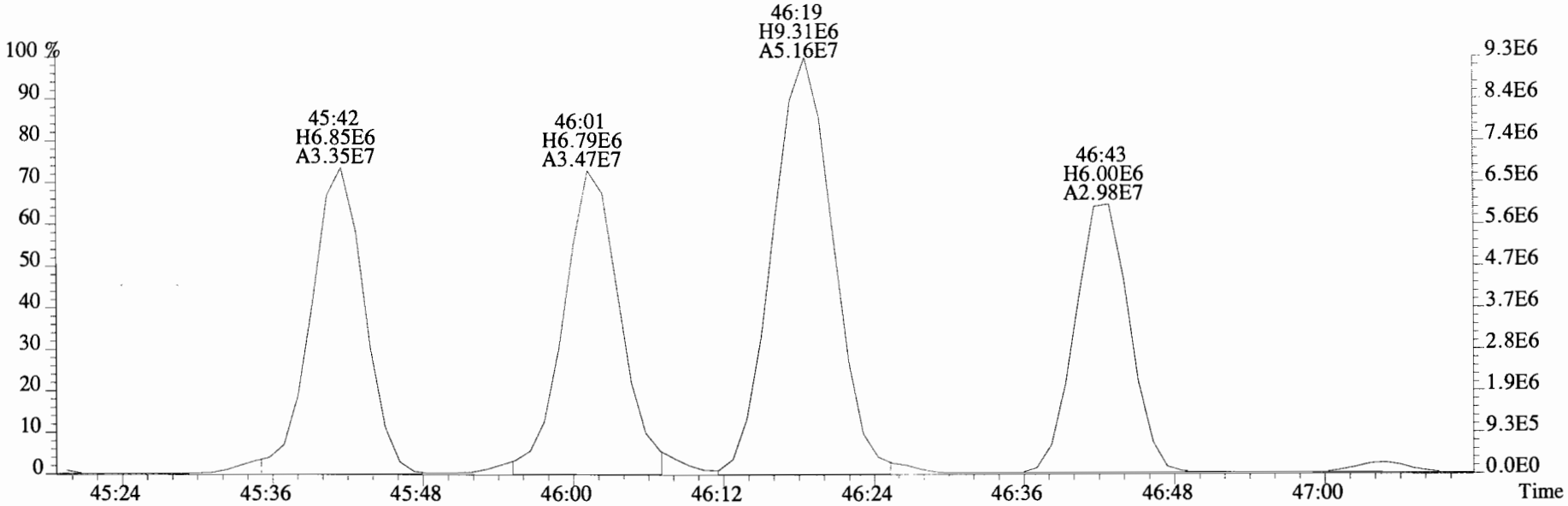
File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
371.8817 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12580.0,0.00%,F,F)



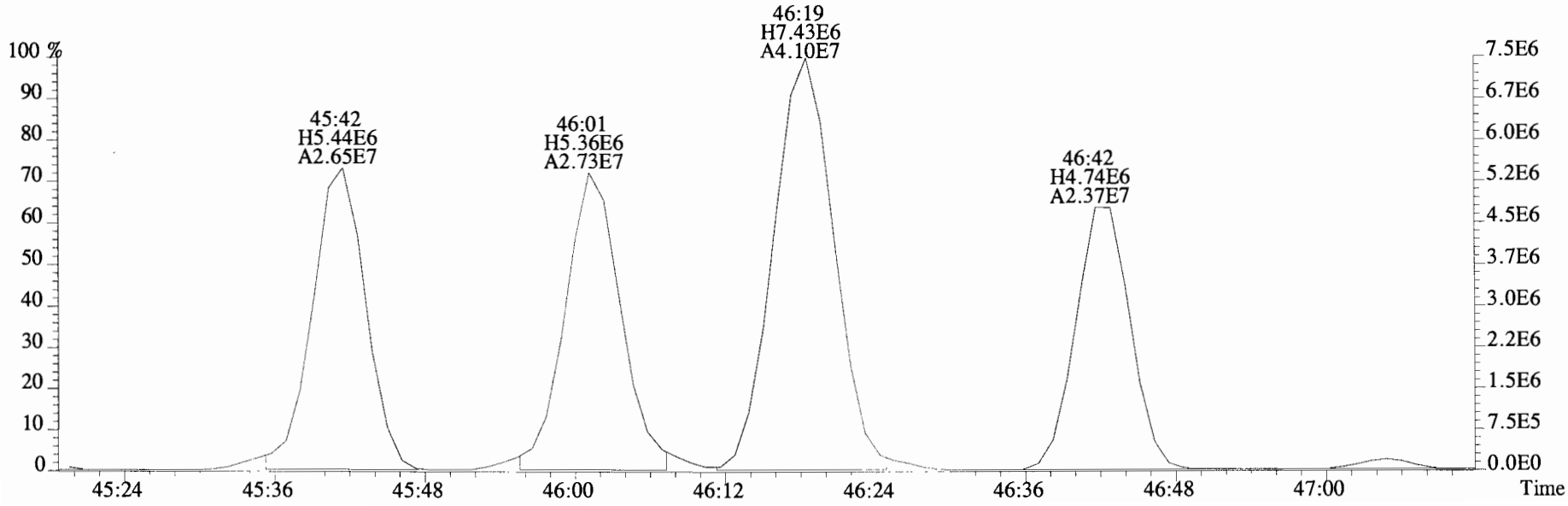

373.8788 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11632.0,0.00%,F,F)



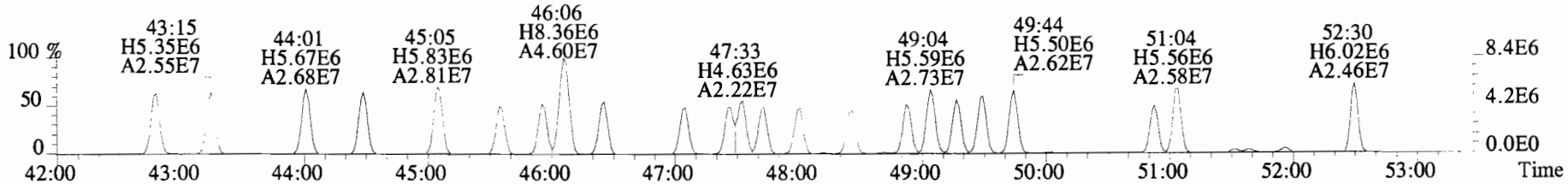
File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
359.8415 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14812.0,0.00%,F,F)



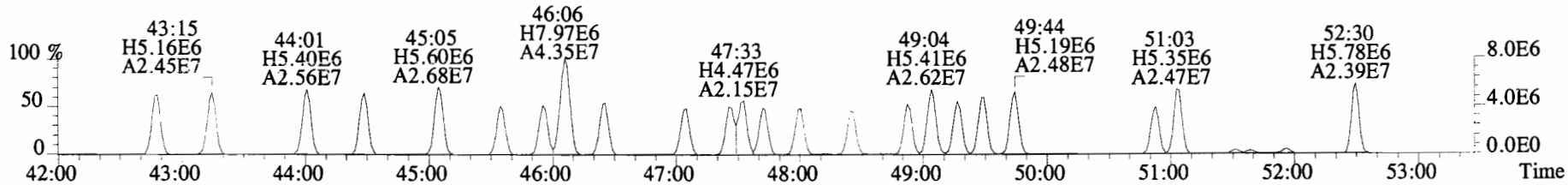

361.8385 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20096.0,0.00%,F,F)



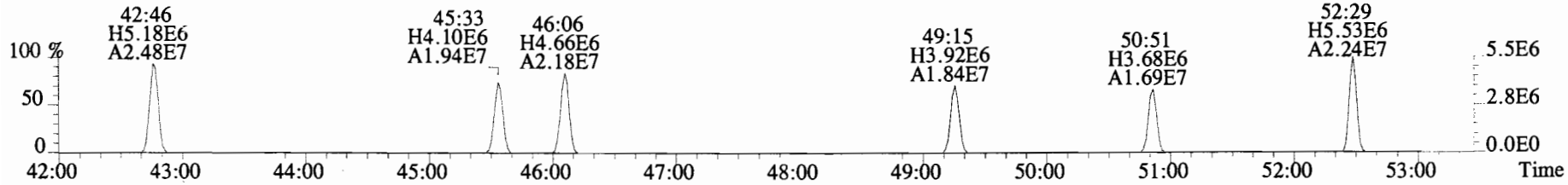
File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
393.8025 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9120.0,0.00%,F,F)



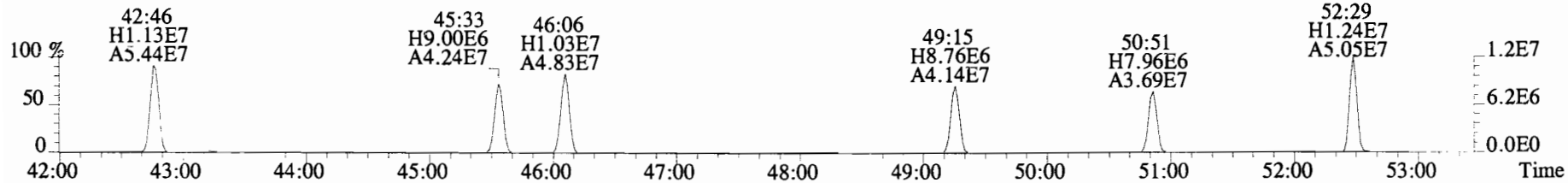

395.7995 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12268.0,0.00%,F,F)



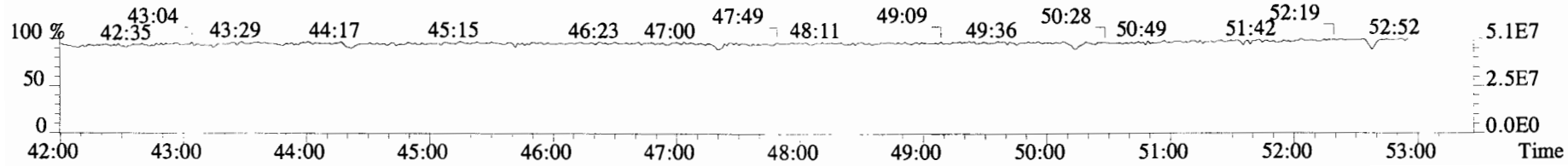

403.8457 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3264.0,0.00%,F,F)



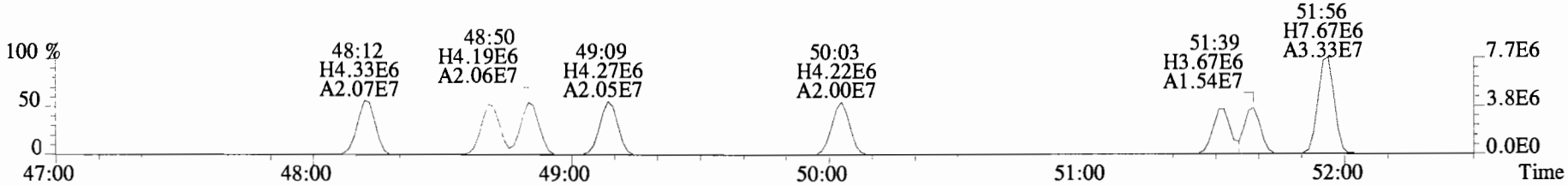

405.8428 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5100.0,0.00%,F,F)



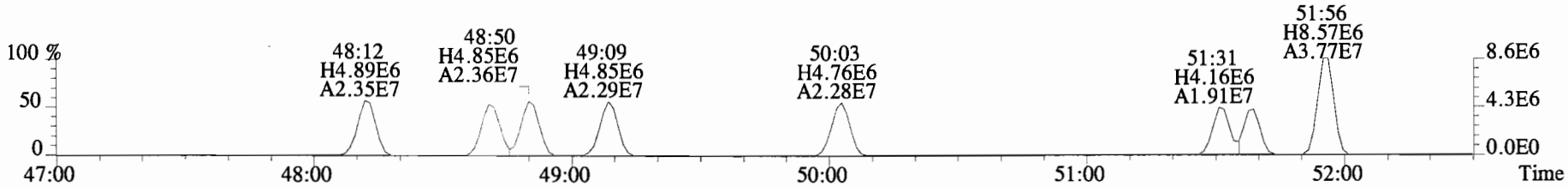

380.9760 S:6 F:4



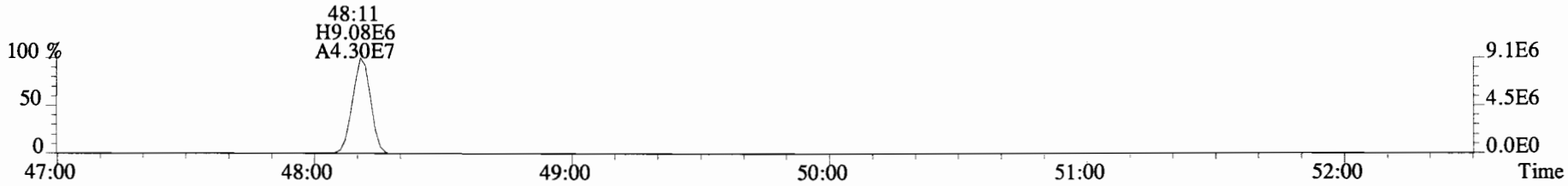
File:180409E1 #1-574 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
427.7635 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1256.0,0.00%,F,F)



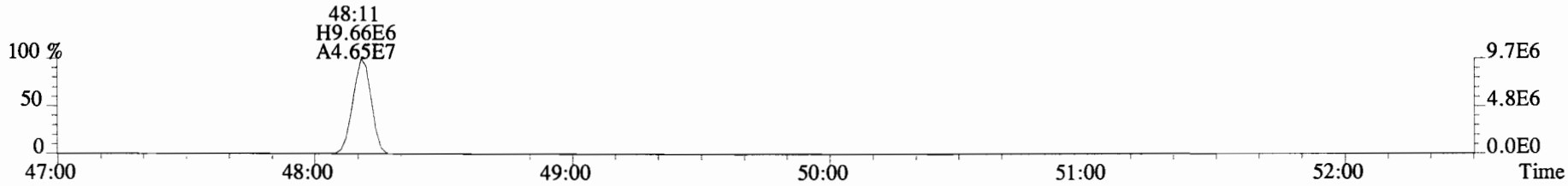

429.7606 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2400.0,0.00%,F,F)



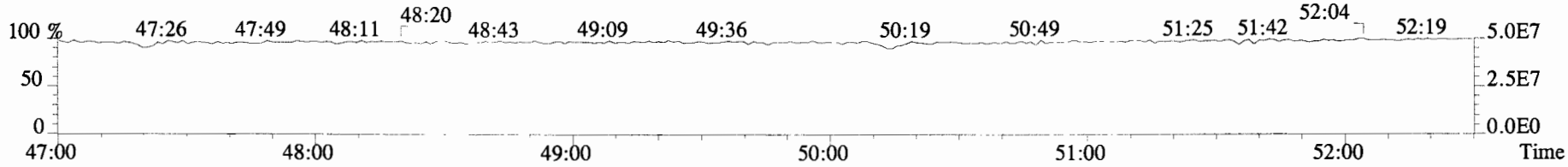

439.8038 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1800.0,0.00%,F,F)



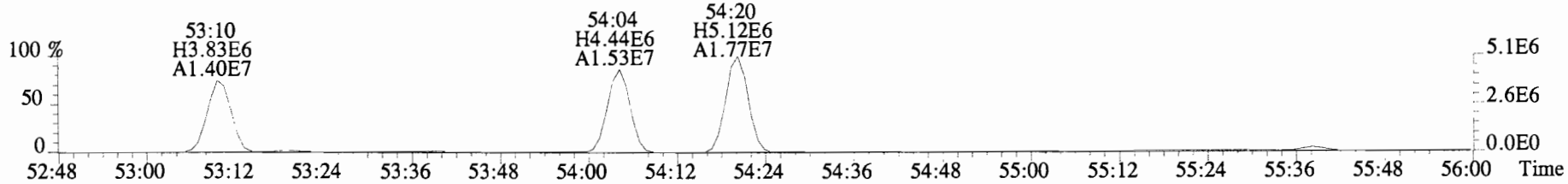

441.8008 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1516.0,0.00%,F,F)



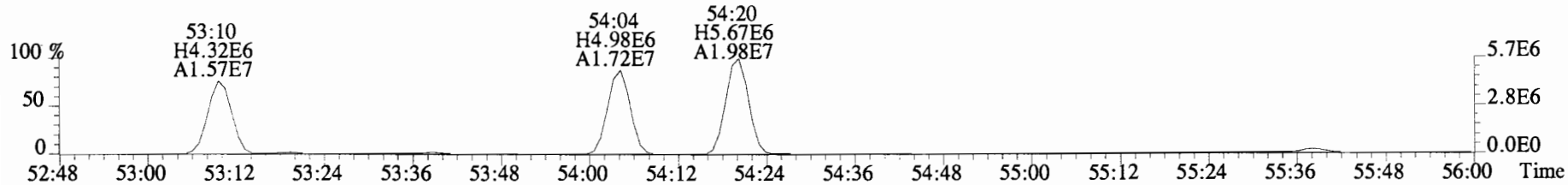

380.9760 S:6 F:4



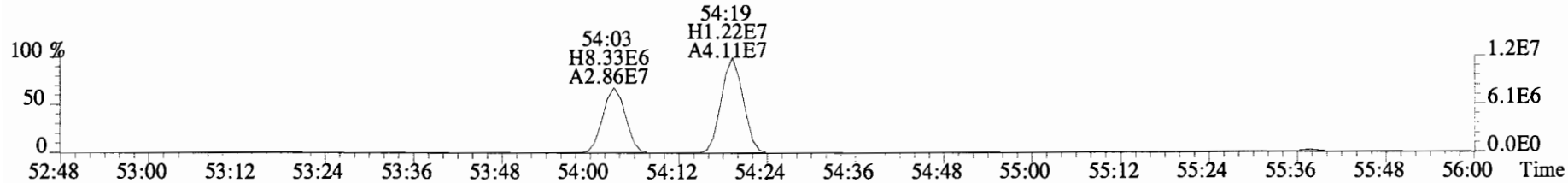
File:180409E1 #1-407 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
427.7635 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10640.0,0.00%,F,F)



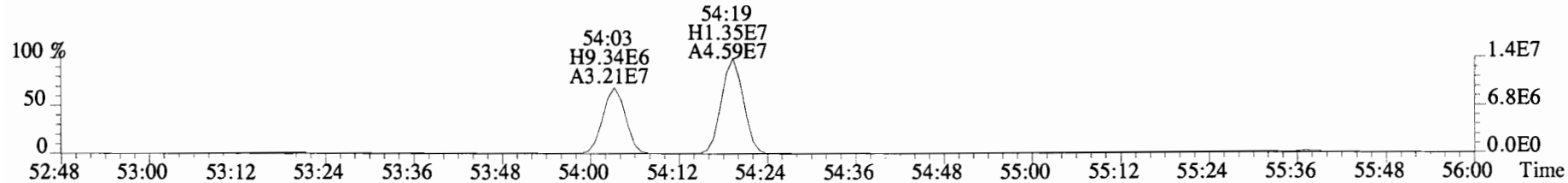

429.7606 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2252.0,0.00%,F,F)



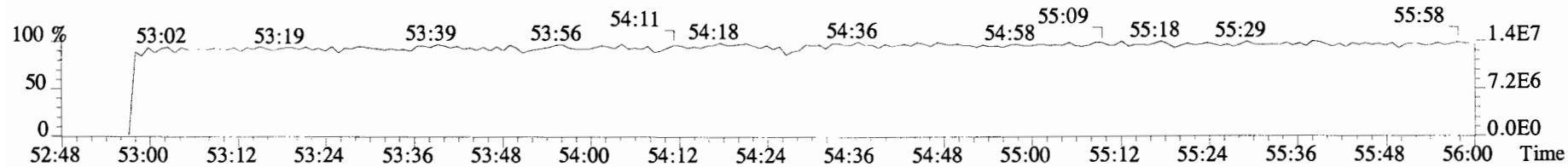

439.8038 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4240.0,0.00%,F,F)



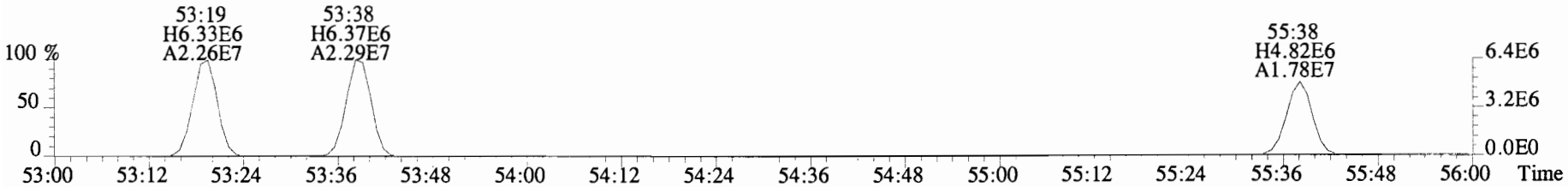

441.8008 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3584.0,0.00%,F,F)



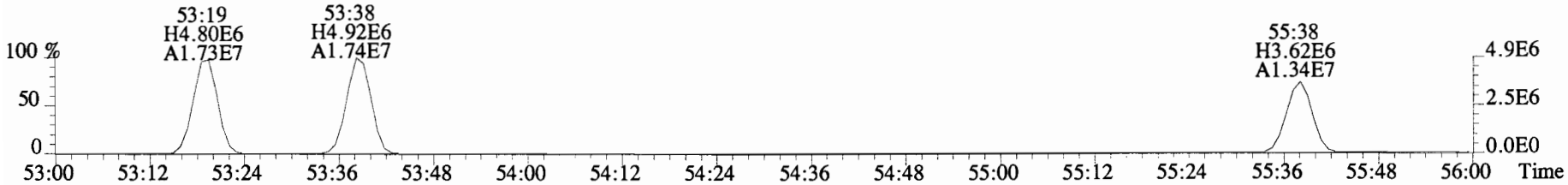

492.9697 S:6 F:5



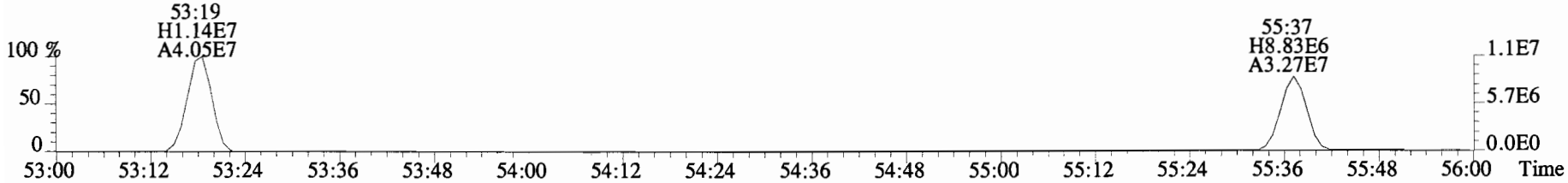
File:180409E1 #1-407 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
463.7216 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10688.0,0.00%,F,F)



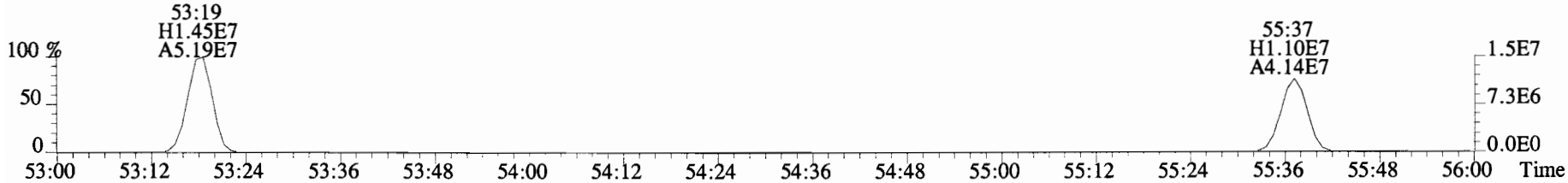

465.7186 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8732.0,0.00%,F,F)



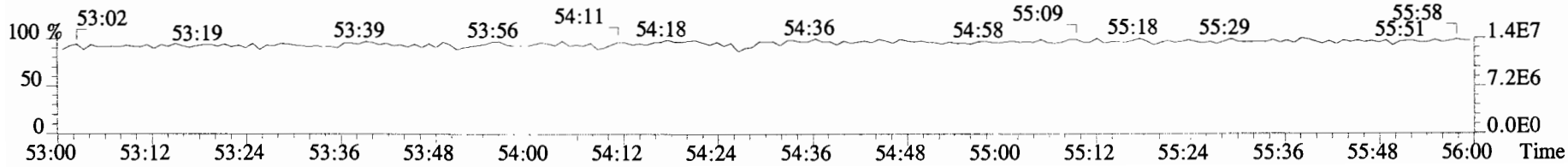

473.7648 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13736.0,0.00%,F,F)



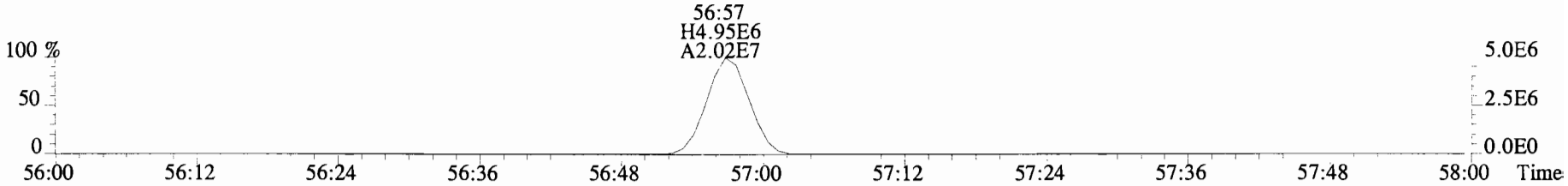

475.7619 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17932.0,0.00%,F,F)



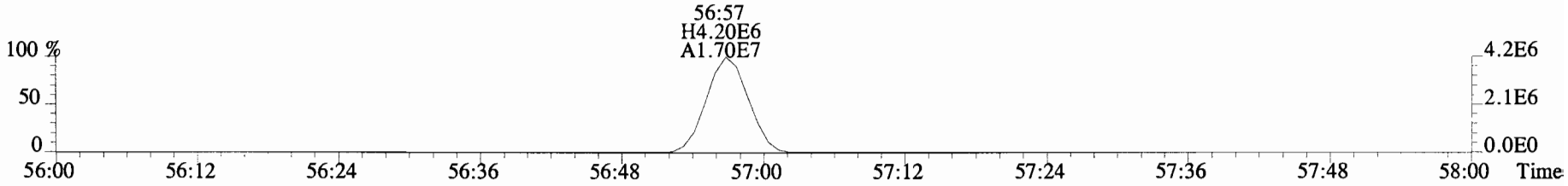

492.9697 S:6 F:5



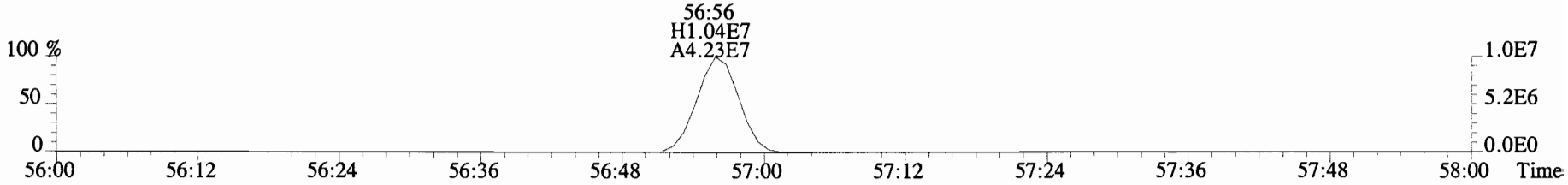
File:180409E1 #1-407 Acq: 9-APR-2018 22:59:22 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:B8D0041-MSD1 Matrix Spike Dup 1 Exp:PCB_ZB1
497.6826 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1540.0,0.00%,F,F)



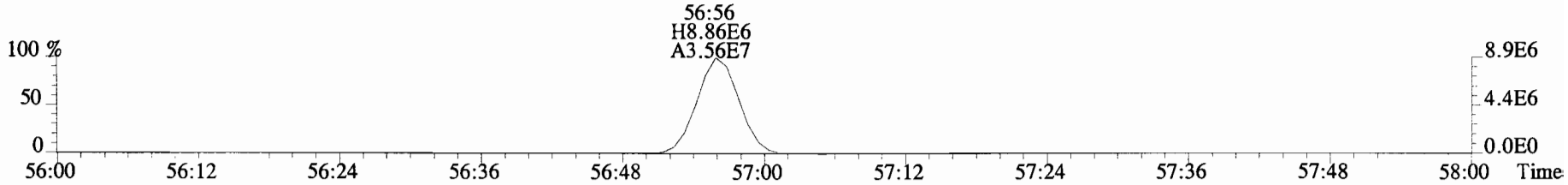

499.6797 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1508.0,0.00%,F,F)



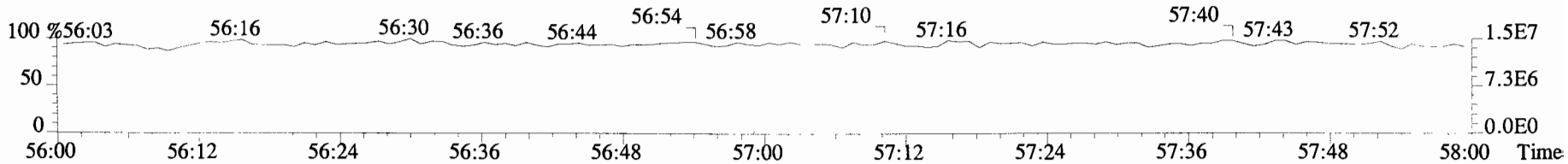

509.7229 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1652.0,0.00%,F,F)




511.7199 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1664.0,0.00%,F,F)




492.9697 S:6 F:5



Client ID: OWS-THIS-T171026131900 Filename: 180409E1 S:12 Acq:10-APR-18 05:30:06 ✓ConCal: ST180409E1-1 
Lab ID: 1701560-06 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.942 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL | UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 1.10e+06 | 2.95 | y 15:59 | 1.07 | 34.83 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Mono | PCB-2 | * | * | n NotF¶ | 1.06 | * | | 1690 | 2.5 | 1.78 | * | 0.983 | 0.993 |
| Mono | PCB-3 | 1.71e+05 | 2.41 | n 18:37 | 1.06 | 5.099 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Di | PCB-4/10 | 9.79e+07 | 1.58 | y 19:59 | 1.24 | 3362 | | * | 2.5 | * | 1.003 | 0.998 | 1.008 |
| Di | PCB-7/9 | * | * | n NotF¶ | 0.99 | * | | 12900 | 1.0 | 2.81 | * | 0.863 | 0.871 |
| Di | PCB-6 | 2.40e+05 | 1.51 | y 22:26 | 1.06 | 5.253 | | * | 2.5 | * | 0.893 | 0.888 | 0.897 |
| Di | PCB-5/8 | 9.05e+05 | 1.56 | y 22:50 | 1.03 | 20.42 | | * | 2.5 | * | 0.908 | 0.904 | 0.913 |
| Di | PCB-14 | * | * | n NotF¶ | 1.03 | * | | 3660 | 2.5 | 1.70 | * | 0.948 | 0.958 |
| Di | PCB-11 | 3.49e+05 | 1.34 | y 25:09 | 1.11 | 5.942 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Di | PCB-12/13 | * | * | n NotF¶ | 1.02 | * | | 35900 | 1.0 | 6.76 | * | 1.011 | 1.021 |
| Di | PCB-15 | 3.14e+06 | 1.49 | y 25:51 | 1.05 | 56.30 | | * | 2.5 | * | 1.029 | 1.023 | 1.033 |
| Tri | PCB-19 | 3.52e+07 | 1.05 | y 24:07 | 1.20 | 1007 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Tri | PCB-30 | * | * | n NotF¶ | 1.93 | * | | 2450 | 2.5 | 0.839 | * | 1.034 | 1.044 |
| Tri | PCB-18 | 5.05e+06 | 1.03 | y 25:46 | 0.91 | 106.6 | | * | 2.5 | * | 0.953 | 0.948 | 0.958 |
| Tri | PCB-17 | 2.63e+06 | 1.09 | y 25:57 | 0.84 | 60.22 | | * | 2.5 | * | 0.960 | 0.955 | 0.965 |
| Tri | PCB-24/27 | 1.37e+07 | 1.05 | y 26:30 | 1.15 | 229.5 | | * | 2.5 | * | 0.980 | 0.977 | 0.986 |
| Tri | PCB-16/32 | 7.93e+06 | 1.04 | y 27:03 | 1.02 | 149.9 | | * | 2.5 | * | 1.001 | 0.995 | 1.005 |
| Tri | PCB-34 | 9.61e+04 | 0.89 | y 27:51 | 0.96 | 2.104 | | * | 2.5 | * | 0.960 | 0.955 | 0.965 |
| Tri | PCB-23 | * | * | n NotF¶ | 0.95 | * | | 1240 | 2.5 | 0.684 | * | 0.958 | 0.968 |
| Tri | PCB-29 | * | * | n NotF¶ | 0.96 | * | | 1240 | 2.5 | 0.674 | * | 0.966 | 0.976 |
| Tri | PCB-26 | 1.38e+06 | 0.98 | y 28:24 | 1.00 | 28.80 | | * | 2.5 | * | 0.979 | 0.974 | 0.984 |
| Tri | PCB-25 | 2.97e+05 | 0.98 | y 28:33 | 1.06 | 5.906 | | * | 2.5 | * | 0.984 | 0.980 | 0.990 |
| Tri | PCB-31 | 1.76e+06 | 1.04 | y 28:55 | 1.10 | 33.67 | | * | 2.5 | * | 0.997 | 0.992 | 1.002 |
| Tri | PCB-28 | 2.52e+06 | 1.00 | y 29:00 | 1.14 | 46.50 | | * | 2.5 | * | 1.000 | 0.995 | 1.005 |
| Tri | PCB-20/21/33 | 4.75e+05 | 1.07 | y 29:40 | 1.00 | 10.03 | | * | 2.5 | * | 1.023 | 1.017 | 1.027 |
| Tri | PCB-22 | 4.77e+05 | 1.06 | y 30:04 | 1.09 | 9.224 | | * | 2.5 | * | 1.037 | 1.032 | 1.042 |
| Tri | PCB-36 | * | * | n NotF¶ | 1.15 | * | | 1240 | 2.5 | 0.555 | * | 0.929 | 0.939 |
| Tri | PCB-39 | 7.32e+04 | 0.92 | y 31:10 | 1.07 | 1.358 | | * | 2.5 | * | 0.948 | 0.943 | 0.953 |
| Tri | PCB-38 | 1.24e+05 | 1.02 | y 31:56 | 1.10 | 2.239 | | * | 2.5 | * | 0.972 | 0.966 | 0.976 |
| Tri | PCB-35 | 4.10e+04 | 1.09 | y 32:28 | 1.12 | 0.7254 | | * | 2.5 | * | 0.988 | 0.982 | 0.992 |
| Tri | PCB-37 | 1.18e+06 | 1.04 | y 32:53 | 1.11 | 21.04 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Tetra | PCB-54 | 9.28e+05 | 0.79 | y 27:53 | 1.07 | 16.75 | | * | 2.5 | * | 1.001 | 0.996 | 1.006 |
| Tetra | PCB-50 | 1.50e+05 | 0.77 | y 29:04 | 0.87 | 3.320 | | * | 2.5 | * | 1.043 | 1.038 | 1.048 |
| Tetra | PCB-53 | 4.86e+06 | 0.75 | y 29:42 | 1.01 | 94.98 | | * | 2.5 | * | 0.945 | 0.940 | 0.950 |
| Tetra | PCB-51 | 1.24e+06 | 0.74 | y 30:03 | 1.10 | 22.19 | | * | 2.5 | * | 0.956 | 0.952 | 0.962 |
| Tetra | PCB-45 | 1.67e+06 | 0.80 | y 30:28 | 0.87 | 37.77 | | * | 2.5 | * | 0.970 | 0.965 | 0.975 |
| Tetra | PCB-46 | 6.31e+05 | 0.81 | y 30:57 | 0.84 | 14.87 | | * | 2.5 | * | 0.985 | 0.980 | 0.990 |

Integrations by:

Analyst: DB

Date: 4/11/18

Reviewed by: CT Date: 4/12/18

Client ID: OWS-THIS-T171026131900 Filename: 180409E1 S:12 Acq:10-APR-18 05:30:06 ConCal: ST180409E1-1
Lab ID: 1701560-06 GC Column ID: ZB-1 ICal: PCBVC8 2 8 18 wt/vol: 0.942 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 9.85e+06 | 0.78 | y 31:26 | 1.21 | 160.4 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 3.35e+05 | 0.84 | y 31:35 | 1.45 | 4.551 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 6.12e+06 | 0.77 | y 31:44 | 1.01 | 119.4 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 4.63e+06 | 0.76 | y 31:56 | 0.91 | 93.03 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | 1.01e+06 | 0.75 | y 32:03 | 1.13 | 16.17 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | 4.99e+04 | 0.77 | y 32:19 | 1.27 | 0.7142 | | * | 2.5 | * | 1.013 | 1.007-1.017 |
| Tetra | PCB-62 | * | * | n NotF¶ | 1.10 | * | | 1920 | 2.5 | 0.675 | * | 1.011-1.021 |
| Tetra | PCB-44 | 4.84e+06 | 0.76 | y 32:44 | 0.85 | 102.9 | | * | 2.5 | * | 1.026 | 1.020-1.030 |
| Tetra | PCB-42/59 | 2.63e+06 | 0.77 | y 32:57 | 1.02 | 46.84 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 7.82e+06 | 0.78 | y 33:33 | 1.17 | 121.9 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 2.34e+05 | 0.67 | y 33:48 | 1.28 | 3.335 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Tetra | PCB-40 | 9.49e+05 | 0.80 | y 34:00 | 0.62 | 27.65 | | * | 2.5 | * | 1.065 | 1.060-1.070 |
| Tetra | PCB-57 | 6.97e+04 | 0.84 | y 34:23 | 1.13 | 0.8825 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 2.34e+05 | 0.91 | n 34:41 | 1.10 | 3.039 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | * | * | n NotF¶ | 1.12 | * | | 1920 | 2.5 | 0.522 | * | 0.977-0.987 |
| Tetra | PCB-63 | 5.01e+05 | 0.79 | y 34:57 | 1.00 | 7.157 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Tetra | PCB-74 | 2.68e+06 | 0.77 | y 35:14 | 1.18 | 32.38 | | * | 2.5 | * | 0.994 | 0.989-0.999 |
| Tetra | PCB-61/70 | 3.07e+06 | 0.73 | y 35:27 | 1.03 | 42.69 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 4.28e+06 | 0.76 | y 35:39 | 1.13 | 53.88 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | * | * | n NotF¶ | 1.19 | * | | 1920 | 2.5 | 0.509 | * | 0.995-1.005 |
| Tetra | PCB-55 | 6.24e+04 | 0.69 | y 36:11 | 1.16 | 0.7592 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Tetra | PCB-56/60 | 2.46e+06 | 0.83 | y 36:40 | 1.04 | 33.30 | | * | 2.5 | * | 1.022 | 1.018-1.028 |
| Tetra | PCB-79 | 4.98e+04 | 0.67 | y 37:46 | 1.17 | 0.6007 | | * | 2.5 | * | 1.053 | 1.047-1.057 |
| Tetra | PCB-78 | * | * | n NotF¶ | 1.10 | * | | 1920 | 2.5 | 0.574 | * | 0.982-0.992 |
| Tetra | PCB-81 | * | * | n NotF¶ | 0.97 | * | | 1920 | 2.5 | 0.654 | * | 0.995-1.005 |
| Tetra | PCB-77 | 4.36e+05 | 0.80 | y 39:33 | 1.08 | 5.969 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | * | * | n NotF¶ | 1.08 | * | | 1250 | 2.5 | 0.703 | * | 0.996-1.006 |
| Penta | PCB-96 | 1.26e+05 | 1.78 | y 33:50 | 1.13 | 2.240 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 1.09e+05 | 1.61 | y 34:23 | 0.91 | 2.415 | | * | 2.5 | * | 1.056 | 1.051-1.061 |
| Penta | PCB-100 | 5.53e+04 | 1.97 | n 34:45 | 0.93 | 1.202 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 1.27e+05 | 1.75 | y 35:13 | 0.91 | 3.287 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 2.63e+06 | 1.63 | y 35:45 | 1.17 | 53.10 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Penta | PCB-93 | * | * | n NotF¶ | 0.93 | * | | 1250 | 2.5 | 1.02 | * | 0.997-1.007 |
| Penta | PCB-88/91 | 6.95e+05 | 1.77 | y 36:09 | 0.97 | 16.89 | | * | 2.5 | * | 1.012 | 1.005-1.015 |
| Penta | PCB-121 | * | * | n NotF¶ | 1.68 | * | | 1250 | 2.5 | 0.561 | * | 1.009-1.019 |
| Penta | PCB-84/92 | 1.32e+06 | 1.58 | y 37:03 | 0.97 | 31.86 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 7.53e+04 | 1.37 | y 37:13 | 1.06 | 1.665 | | * | 2.5 | * | 0.994 | 0.990-1.000 |

Analyst: JB

Date: 4/11/18

Client ID: OWS-THIS-T171026131900 Filename: 180409E1 S:12 Acq:10-APR-18 05:30:06 ConCal: ST180409E1-1
Lab ID: 1701560-06 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.942 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 2.11e+06 | 1.53 | y 37:26 | 1.08 | 46.24 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 4.69e+04 | 1.37 | y 37:40 | 1.48 | 0.7471 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Penta | PCB-99 | 1.20e+06 | 1.60 | y 37:46 | 1.25 | 22.52 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 1.17e+05 | 1.48 | y 38:14 | 1.70 | 1.897 | | * | 2.5 | * | 0.988 | 0.982-0.992 |
| Penta | PCB-108/112 | 2.36e+05 | 1.69 | y 38:23 | 1.40 | 4.638 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | * | * | n NotF╗ | 1.75 | * | | 1250 | 2.5 | 0.609 | * | 0.990-1.000 |
| Penta | PCB-97 | 6.99e+05 | 1.59 | y 38:44 | 1.17 | 16.39 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | * | * | n NotF╗ | 1.08 | * | | 1250 | 2.5 | 0.987 | * | 0.999-1.009 |
| Penta | PCB-87/117/125 | 1.07e+06 | 1.59 | y 39:01 | 1.55 | 19.00 | | * | 2.5 | * | 1.008 | 1.002-1.012 |
| Penta | PCB-111/115 | 5.10e+04 | 1.04 | n 39:09 | 1.79 | 0.7837 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Penta | PCB-85/116 | 4.75e+05 | 1.56 | y 39:16 | 1.29 | 10.13 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | * | * | n NotF╗ | 1.98 | * | | 1250 | 2.5 | 0.537 | * | 1.016-1.026 |
| Penta | PCB-110 | 3.16e+06 | 1.51 | y 39:40 | 1.69 | 51.69 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 2.98e+05 | 1.48 | y 40:18 | 0.81 | 6.846 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 9.70e+04 | 1.73 | y 40:58 | 1.30 | 1.389 | | * | 2.5 | * | 0.992 | 0.988-0.998 |
| Penta | PCB-107/109 | 2.18e+05 | 1.40 | y 41:09 | 1.31 | 3.082 | | * | 2.5 | * | 0.997 | 0.991-1.001 |
| Penta | PCB-123 | 5.83e+04 | 1.53 | y 41:18 | 1.12 | 0.9663 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 1.98e+06 | 1.47 | y 41:29 | 1.18 | 30.22 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-114 | 6.82e+04 | 1.72 | y 42:07 | 1.11 | 1.267 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-122 | * | * | n NotF╗ | 1.03 | * | | 3070 | 1.0 | 0.785 | * | 0.999-1.009 |
| Penta | PCB-105 | 7.44e+05 | 1.68 | y 42:59 | 1.12 | 14.52 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-127 | * | * | n NotF╗ | 1.12 | * | | 1300 | 2.5 | 0.816 | * | 0.995-1.005 |
| Penta | PCB-126 | * | * | n NotF╗ | 1.20 | * | | 1300 | 2.5 | 0.801 | * | 0.995-1.005 |
| Hexa | PCB-155 | * | * | n NotF╗ | 0.99 | * | | 1050 | 2.5 | 0.586 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n NotF╗ | 1.02 | * | | 1050 | 2.5 | 0.565 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n NotF╗ | 1.16 | * | | 1050 | 2.5 | 0.500 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n NotF╗ | 1.13 | * | | 1050 | 2.5 | 0.513 | * | 1.054-1.064 |
| Hexa | PCB-136 | 2.00e+05 | 1.38 | y 39:29 | 1.02 | 3.950 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n NotF╗ | 0.77 | * | | 1050 | 2.5 | 0.748 | * | 1.066-1.076 |
| Hexa | PCB-154 | 4.30e+04 | 1.35 | y 40:05 | 0.88 | 0.9910 | | * | 2.5 | * | 1.084 | 1.079-1.089 |
| Hexa | PCB-151 | 3.03e+05 | 1.31 | y 40:44 | 0.75 | 8.115 | | * | 2.5 | * | 1.102 | 1.095-1.107 |
| Hexa | PCB-135 | 1.95e+05 | 1.33 | y 40:56 | 0.86 | 4.581 | | * | 2.5 | * | 1.107 | 1.101-1.113 |
| Hexa | PCB-144 | 4.27e+04 | 1.39 | y 41:03 | 0.77 | 1.126 | | * | 2.5 | * | 1.110 | 1.105-1.116 |
| Hexa | PCB-147 | 6.26e+04 | 1.09 | y 41:10 | 0.80 | 1.569 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 7.81e+05 | 1.22 | y 41:26 | 0.88 | 17.89 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | * | * | n NotF╗ | 0.77 | * | | 1050 | 2.5 | 0.754 | * | 1.120-1.132 |
| Hexa | PCB-134/143 | 1.02e+05 | 1.17 | y 42:04 | 0.76 | 2.295 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-THIS-T171026131900 Filename: 180409E1 S:12 Acq:10-APR-18 05:30:06 ConCal: ST180409E1-1 
Lab ID: 1701560-06 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.942 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 7.92e+04 | 1.15 | y 42:22 | 0.82 | 1.669 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Hexa | PCB-142 | * | * | n NotF╗ | 0.73 | * | | 845 | 2.5 | 0.556 | * | 0.981-0.991 |
| Hexa | PCB-146/165 | 2.47e+05 | 1.18 | y 42:45 | 1.02 | 4.170 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Hexa | PCB-132/161 | 4.74e+05 | 1.30 | y 43:01 | 1.00 | 8.119 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 9.58e+05 | 1.19 | y 43:09 | 1.08 | 15.30 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | * | * | n NotF╗ | 1.12 | * | | 845 | 2.5 | 0.364 | * | 1.000-1.010 |
| Hexa | PCB-141 | 1.68e+05 | 1.37 | y 43:53 | 1.02 | 3.303 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 6.44e+04 | 1.17 | y 44:15 | 1.10 | 1.172 | | * | 2.5 | * | 1.008 | 1.004-1.014 |
| Hexa | PCB-130 | 9.63e+04 | 1.34 | y 44:22 | 0.81 | 2.398 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 1.47e+06 | 1.30 | y 44:44 | 1.23 | 22.37 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-158/160 | 1.55e+05 | 1.40 | y 44:58 | 1.18 | 2.467 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 4.04e+04 | 1.81 | n 45:13 | 0.78 | 0.9689 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-166 | * | * | n NotF╗ | 1.13 | * | | 845 | 2.5 | 0.318 | * | 0.988-0.998 |
| Hexa | PCB-159 | * | * | n NotF╗ | 1.16 | * | | 845 | 2.5 | 0.309 | * | 0.995-1.005 |
| Hexa | PCB-128/162 | 2.25e+05 | 1.06 | y 46:17 | 0.89 | 3.884 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Hexa | PCB-167 | 8.67e+04 | 1.33 | y 46:42 | 1.02 | 1.307 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-156 | 1.43e+05 | 1.12 | y 47:59 | 1.06 | 2.060 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 3.89e+04 | 1.12 | y 48:14 | 1.02 | 0.5875 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | * | * | n NotF╗ | 1.13 | * | | 845 | 2.5 | 0.331 | * | 0.995-1.005 |
| Hepta | PCB-188 | * | * | n NotF╗ | 1.37 | * | | 1080 | 2.5 | 0.311 | * | 0.995-1.005 |
| Hepta | PCB-184 | * | * | n NotF╗ | 1.32 | * | | 1080 | 2.5 | 0.323 | * | 1.006-1.016 |
| Hepta | PCB-179 | 1.17e+05 | 0.90 | y 44:00 | 1.38 | 1.850 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | * | * | n NotF╗ | 1.31 | * | | 1080 | 2.5 | 0.326 | * | 1.035-1.045 |
| Hepta | PCB-186 | * | * | n NotF╗ | 1.42 | * | | 1080 | 2.5 | 0.300 | * | 1.049-1.059 |
| Hepta | PCB-178 | 8.90e+04 | 0.91 | y 45:34 | 0.97 | 2.016 | | * | 2.5 | * | 1.065 | 1.060-1.070 |
| Hepta | PCB-175 | * | * | n NotF╗ | 1.00 | * | | 1080 | 2.5 | 0.427 | * | 1.069-1.079 |
| Hepta | PCB-182/187 | 2.52e+05 | 1.18 | y 46:05 | 1.14 | 4.837 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | 7.43e+04 | 1.47 | n 46:23 | 1.13 | 1.447 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | * | * | n NotF╗ | 1.36 | * | | 1080 | 2.5 | 0.406 | * | 0.950-0.960 |
| Hepta | PCB-174 | 1.51e+05 | 1.02 | y 47:26 | 1.42 | 3.027 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | * | * | n NotF╗ | 1.48 | * | | 1080 | 2.5 | 0.373 | * | 0.960-0.970 |
| Hepta | PCB-177 | 9.22e+04 | 1.56 | n 47:42 | 1.33 | 1.965 | | * | 2.5 | * | 0.969 | 0.963-0.973 |
| Hepta | PCB-171 | 5.84e+04 | 0.94 | y 47:59 | 1.37 | 1.207 | | * | 2.5 | * | 0.974 | 0.969-0.979 |
| Hepta | PCB-173 | * | * | n NotF╗ | 1.27 | * | | 1080 | 2.5 | 0.433 | * | 0.978-0.988 |
| Hepta | PCB-172 | 3.37e+04 | 1.16 | y 48:53 | 1.39 | 0.6878 | | * | 2.5 | * | 0.993 | 0.987-0.997 |
| Hepta | PCB-192 | * | * | n NotF╗ | 1.80 | * | | 1080 | 2.5 | 0.305 | * | 0.991-1.001 |
| Hepta | PCB-180 | 2.89e+05 | 0.96 | y 49:16 | 1.52 | 5.395 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-THIS-T171026131900 Filename: 180409E1 S:12 Acq:10-APR-18 05:30:06 ConCal: ST180409E1-1
Lab ID: 1701560-06 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.942 EndCAL: NA

| Type | Name | Resp | RA | | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | * | * | n | NotF | 1.71 | * | | 1080 | 2.5 | 0.321 | * | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n | NotF | 1.74 | * | | 1080 | 2.5 | 0.316 | * | 1.005-1.015 |
| Hepta | PCB-170 | 1.49e+05 | 1.05 | y | 50:52 | 1.44 | 3.339 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-190 | 3.23e+04 | 1.43 | n | 51:03 | 1.95 | 0.5309 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n | NotF | 1.46 | * | | 1080 | 2.5 | 0.278 | * | 0.995-1.005 |
| Octa | PCB-202 | 3.79e+04 | 0.77 | y | 48:12 | 1.06 | 0.7531 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-201 | * | * | n | NotF | 0.98 | * | | 906 | 2.5 | 0.459 | * | 1.006-1.016 |
| Octa | PCB-204 | * | * | n | NotF | 1.07 | * | | 906 | 2.5 | 0.419 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n | NotF | 1.10 | * | | 906 | 2.5 | 0.408 | * | 1.015-1.025 |
| Octa | PCB-200 | * | * | n | NotF | 1.04 | * | | 906 | 2.5 | 0.431 | * | 1.034-1.044 |
| Octa | PCB-198 | * | * | n | NotF | 0.84 | * | | 906 | 2.5 | 0.534 | * | 1.065-1.075 |
| Octa | PCB-199 | 7.36e+04 | 0.92 | y | 51:38 | 0.80 | 1.936 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 1.02e+05 | 0.84 | y | 51:55 | 0.84 | 2.560 | | * | 2.5 | * | 1.077 | 1.072-1.082 |
| Octa | PCB-195 | 2.24e+04 | 1.12 | n | 53:09 | 1.04 | 0.6296 | | * | 2.5 | * | 0.983 | 0.979-0.989 |
| Octa | PCB-194 | 8.29e+04 | 0.96 | y | 54:04 | 1.16 | 2.083 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | * | * | n | NotF | 1.33 | * | | 758 | 2.5 | 0.284 | * | 1.000-1.010 |
| Nona | PCB-208 | 2.29e+04 | 1.84 | n | 53:19 | 0.90 | 0.4774 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | * | * | n | NotF | 0.89 | * | | 914 | 2.5 | 0.303 | * | 1.001-1.011 |
| Nona | PCB-206 | 4.14e+04 | 0.97 | n | 55:38 | 0.88 | 1.128 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 2.02e+04 | 0.87 | n | 56:56 | 1.04 | 0.4329 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-THIS-T171026131900 Filename: 180409E1 S:12 Acq:10-APR-18 05:30:06 ConCal: ST180409E1-1
Lab ID: 1701560-06 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.942 EndCAL: NA

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | 1.10e+06 | 2.95 | y | 15:59 | 1.06 | 34.8340 | |
| Total Di-PCB | 1.03e+08 | 1.58 | y | 19:59 | 1.04 | 3450.01 | |
| Total Tri-PCB | 6.45e+07 | 1.05 | y | 24:07 | 1.15 | 1553.03 | |
| Total Tri-PCB | 8.41e+06 | 0.89 | y | 27:51 | 1.05 | 161.608 | Sum:1714.64 |
| Total Tetra-PCB | 6.15e+07 | 0.79 | y | 27:53 | 1.06 | 1064.43 | |
| Total Penta-PCB | 1.68e+07 | 1.78 | y | 33:50 | 1.18 | 327.203 | |
| Total Penta-PCB | 8.12e+05 | 1.72 | y | 42:07 | 1.12 | 15.7922 | Sum:342.995 |
| Total Hexa-PCB | 1.63e+06 | 1.38 | y | 39:29 | 0.91 | 38.2165 | |
| Total Hexa-PCB | 4.31e+06 | 1.17 | y | 42:04 | 1.00 | 71.1045 | Sum:109.321 |
| Total Hepta-PCB | 1.14e+06 | 0.90 | y | 44:00 | 1.35 | 22.3599 | |
| Total Octa-PCB | 2.14e+05 | 0.77 | y | 48:12 | 0.95 | 5.24934 | |
| Total Octa-PCB | 8.29e+04 | 0.96 | y | 54:04 | 1.17 | 2.08316 | Sum:7.33251 |
| Total Nona-PCB | * | * | n | NotFnd | 0.89 | * | |
| Total Deca-PCB | 2.02e+04 | 0.87 | n | 56:56 | 1.04 | 0.432876 | |

Total PCB Conc:6763.62669500

Integrations by Analyst: DB

Date: 4/11/18

Client ID: OWS-THIS-T171026131900 Filename: 180409E1 S:12 Acq:10-APR-18 05:30:06 ConCal: ST180409E1-1
Lab ID: 1701560-06 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:0.9423 EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 6.23e+07 | 3.16 y | 1.13 | 15:58 | 0.618 | 0.616-0.622 | 651 | 30.7 |
| 13C-PCB-3 | 6.70e+07 | 3.15 y | 1.21 | 18:36 | 0.720 | 0.716-0.724 | 653 | 30.8 |
| 13C-PCB-4 | 5.00e+07 | 1.58 y | 0.59 | 19:56 | 0.772 | 0.769-0.777 | 994 | 46.8 |
| 13C-PCB-9 | 9.16e+07 | 1.53 y | 0.94 | 21:45 | 0.842 | 0.837-0.845 | 1150 | 54.1 |
| 13C-PCB-11 | 1.12e+08 | 1.55 y | 0.95 | 25:08 | 0.973 | 0.968-0.978 | 1400 | 65.8 |
| 13C-PCB-19 | 6.20e+07 | 1.07 y | 0.62 | 24:06 | 0.933 | 0.928-0.938 | 1170 | 55.3 |
| 13C-PCB-28 | 1.01e+08 | 1.09 y | 1.05 | 29:00 | 1.004 | 0.999-1.009 | 1590 | 74.8 |
| 13C-PCB-32 | 1.10e+08 | 1.05 y | 0.91 | 27:02 | 1.046 | 1.041-1.051 | 1430 | 67.3 |
| 13C-PCB-37 | 1.07e+08 | 1.11 y | 1.02 | 32:52 | 1.138 | 1.132-1.144 | 1730 | 81.4 |
| 13C-PCB-47 | 1.17e+08 | 0.80 y | 0.83 | 31:55 | 0.870 | 0.867-0.875 | 1700 | 80.3 |
| 13C-PCB-52 | 1.08e+08 | 0.79 y | 0.76 | 31:25 | 0.857 | 0.853-0.861 | 1720 | 80.8 |
| 13C-PCB-54 | 1.10e+08 | 0.78 y | 0.93 | 27:52 | 0.760 | 0.756-0.764 | 1440 | 67.7 |
| 13C-PCB-70 | 1.48e+08 | 0.79 y | 1.00 | 35:26 | 0.966 | 0.961-0.971 | 1810 | 85.4 |
| 13C-PCB-77 | 1.43e+08 | 0.78 y | 0.96 | 39:33 | 1.079 | 1.073-1.083 | 1820 | 85.7 |
| 13C-PCB-80 | 1.50e+08 | 0.79 y | 1.00 | 35:52 | 0.978 | 0.973-0.983 | 1840 | 86.7 |
| 13C-PCB-81 | 1.47e+08 | 0.80 y | 1.01 | 38:58 | 1.063 | 1.057-1.067 | 1780 | 83.7 |
| 13C-PCB-95 | 8.96e+07 | 1.57 y | 0.80 | 35:44 | 0.913 | 0.908-0.918 | 1870 | 87.9 |
| 13C-PCB-97 | 7.71e+07 | 1.57 y | 0.70 | 38:43 | 0.989 | 0.984-0.994 | 1840 | 86.5 |
| 13C-PCB-101 | 9.01e+07 | 1.59 y | 0.80 | 37:26 | 0.956 | 0.951-0.961 | 1880 | 88.5 |
| 13C-PCB-104 | 1.05e+08 | 1.55 y | 1.01 | 32:34 | 0.832 | 0.828-0.836 | 1750 | 82.4 |
| 13C-PCB-105 | 9.67e+07 | 1.55 y | 1.14 | 42:58 | 0.929 | 0.924-0.934 | 1630 | 77.0 |
| 13C-PCB-114 | 1.03e+08 | 1.56 y | 1.18 | 42:07 | 0.911 | 0.905-0.915 | 1670 | 78.9 |
| 13C-PCB-118 | 1.18e+08 | 1.59 y | 1.00 | 41:28 | 1.059 | 1.054-1.064 | 1980 | 93.3 |
| 13C-PCB-123 | 1.14e+08 | 1.58 y | 0.95 | 41:17 | 1.054 | 1.049-1.059 | 2020 | 95.3 |
| 13C-PCB-126 | 9.52e+07 | 1.60 y | 1.14 | 45:13 | 0.978 | 0.972-0.982 | 1610 | 76.1 |
| 13C-PCB-127 | 9.98e+07 | 1.61 y | 1.24 | 43:19 | 0.937 | 0.931-0.941 | 1550 | 72.9 |
| 13C-PCB-138 | 1.13e+08 | 1.27 y | 1.17 | 44:43 | 0.967 | 0.962-0.972 | 1860 | 87.5 |
| 13C-PCB-141 | 1.06e+08 | 1.27 y | 1.11 | 43:53 | 0.949 | 0.944-0.954 | 1840 | 86.8 |
| 13C-PCB-153 | 1.23e+08 | 1.26 y | 1.34 | 43:08 | 0.933 | 0.928-0.938 | 1780 | 83.8 |
| 13C-PCB-155 | 1.05e+08 | 1.23 y | 0.83 | 36:58 | 0.944 | 0.939-0.949 | 2130 | 100 |
| 13C-PCB-156 | 1.38e+08 | 1.27 y | 1.38 | 47:58 | 1.037 | 1.032-1.042 | 1930 | 90.8 |
| 13C-PCB-157 | 1.37e+08 | 1.27 y | 1.37 | 48:14 | 1.043 | 1.037-1.047 | 1920 | 90.7 |
| 13C-PCB-159 | 1.38e+08 | 1.27 y | 1.39 | 46:00 | 0.995 | 0.989-0.999 | 1920 | 90.3 |
| 13C-PCB-167 | 1.38e+08 | 1.26 y | 1.40 | 46:41 | 1.009 | 1.004-1.014 | 1900 | 89.5 |
| 13C-PCB-169 | 1.35e+08 | 1.26 y | 1.39 | 50:26 | 1.090 | 1.085-1.095 | 1870 | 88.2 |
| 13C-PCB-170 | 6.61e+07 | 0.45 y | 0.86 | 50:51 | 1.103 | 1.097-1.109 | 1940 | 91.3 |
| 13C-PCB-180 | 7.50e+07 | 0.45 y | 0.98 | 49:15 | 1.068 | 1.064-1.074 | 1930 | 91.0 |
| 13C-PCB-188 | 9.67e+07 | 0.45 y | 1.40 | 42:46 | 0.928 | 0.923-0.933 | 1740 | 82.0 |
| 13C-PCB-189 | 8.87e+07 | 0.46 y | 1.15 | 52:29 | 1.138 | 1.132-1.144 | 1940 | 91.6 |
| 13C-PCB-194 | 7.31e+07 | 0.91 y | 0.77 | 54:03 | 0.995 | 0.990-1.000 | 1860 | 87.5 |
| 13C-PCB-202 | 1.01e+08 | 0.94 y | 1.28 | 48:11 | 1.045 | 1.040-1.050 | 1980 | 93.4 |
| 13C-PCB-206 | 8.84e+07 | 0.79 y | 0.81 | 55:37 | 1.024 | 1.019-1.029 | 2140 | 101 |
| 13C-PCB-208 | 1.14e+08 | 0.79 y | 1.09 | 53:18 | 0.981 | 0.977-0.987 | 2040 | 95.9 |
| 13C-PCB-209 | 9.49e+07 | 1.19 y | 0.74 | 56:55 | 1.048 | 1.043-1.053 | 2520 | 119 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.69e+08 | 0.79 y | 1.03 | 37:44 | 1.029 | 1.024-1.034 | 2000 | 94.2 |
| 13C-PCB-178 | 7.67e+07 | 0.45 y | 0.93 | 45:34 | 0.985 | 0.980-0.990 | 2080 | 98.1 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.69e+08 | 0.79 y | 1.03 | 37:44 | 0.968 | 0.963-0.973 | 2390 | 113 |
| 13C-PCB-178 | 7.67e+07 | 0.45 y | 0.95 | 45:34 | 0.925 | 0.920-0.930 | 2280 | 108 |

RS

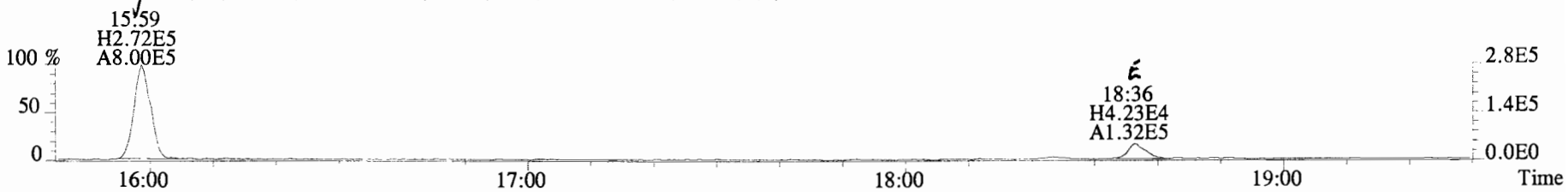
| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 1.80e+08 | 1.55 y | 1.00 | 25:50 | 2120 |
| 13C-PCB-31 | 1.29e+08 | 1.11 y | 1.00 | 28:53 | 2120 |
| 13C-PCB-60 | 1.74e+08 | 0.80 y | 1.00 | 36:40 | 2120 |
| 13C-PCB-111 | 1.27e+08 | 1.56 y | 1.00 | 39:09 | 2120 |
| 13C-PCB-128 | 1.10e+08 | 1.24 y | 1.00 | 46:15 | 2120 |
| 13C-PCB-182 | 8.44e+07 | 0.46 y | 1.00 | 46:06 | 2120 |
| 13C-PCB-205 | 1.09e+08 | 0.91 y | 1.00 | 54:19 | 2120 |

Analyst: DB

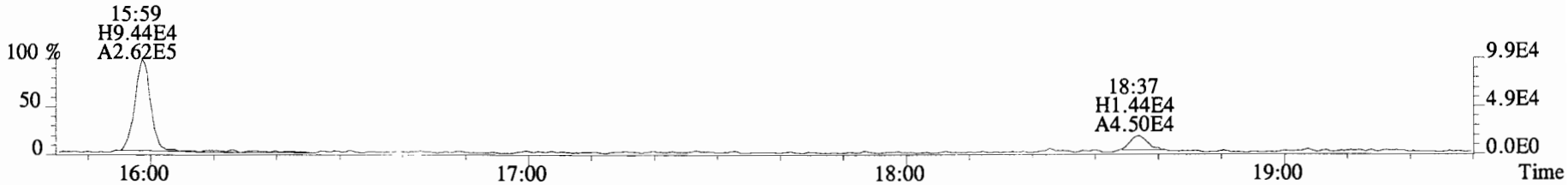
Date: 4/11/18

File:180409E1 #1-866 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

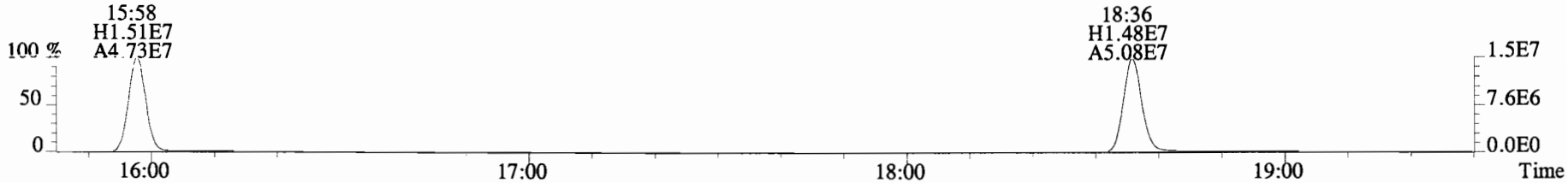
188.0393 S:12 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5044.0,0.00%,F,F)



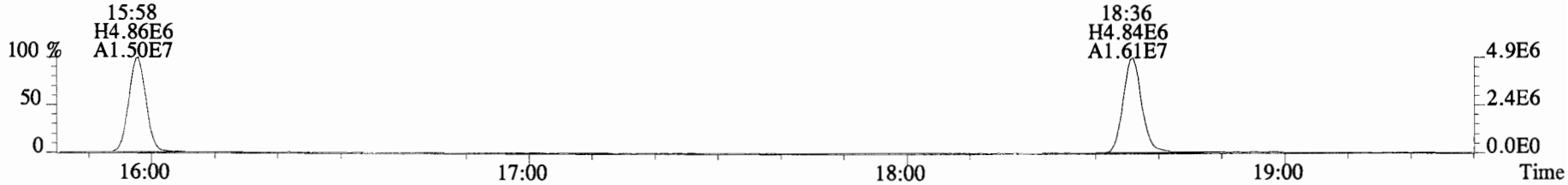

190.0363 S:12 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3580.0,0.00%,F,F)



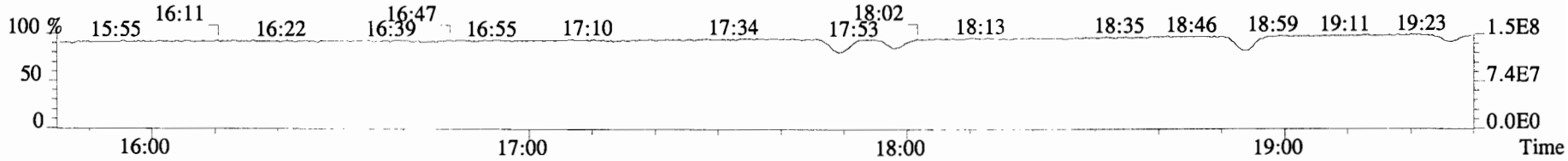

200.0795 S:12 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6796.0,0.00%,F,F)



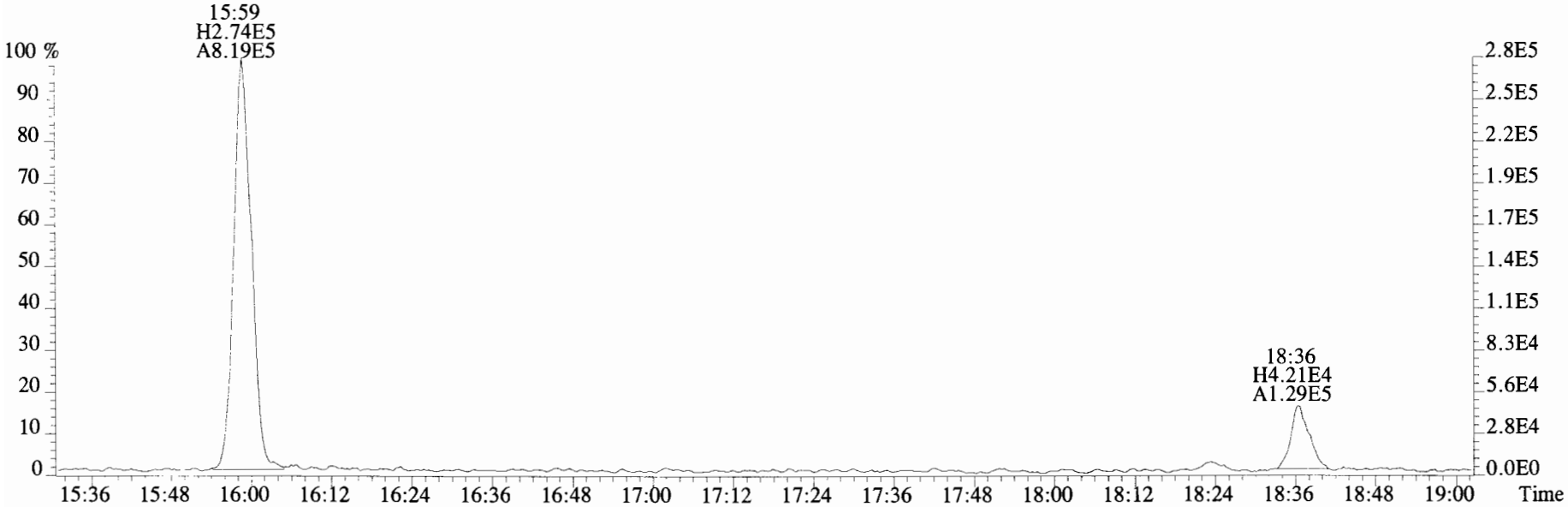

202.0766 S:12 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31120.0,0.00%,F,F)



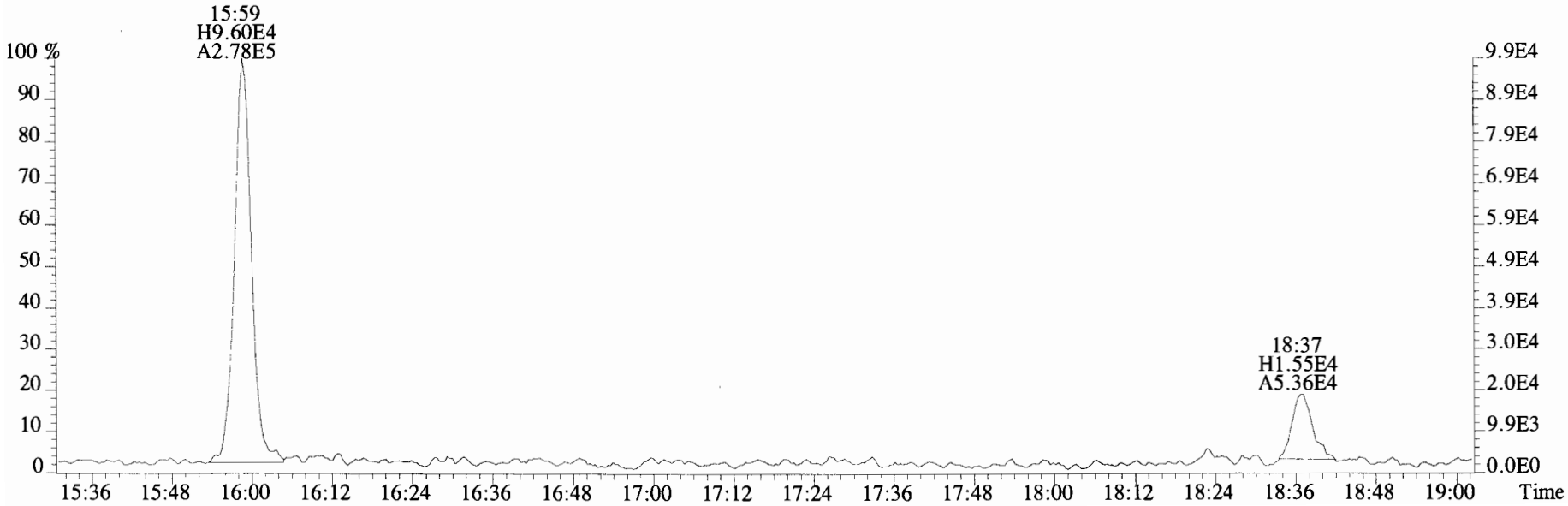

180.9880 S:12



File:180409E1 #1-866 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
188.0393 S:12 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5044.0,0.00%,F,F)

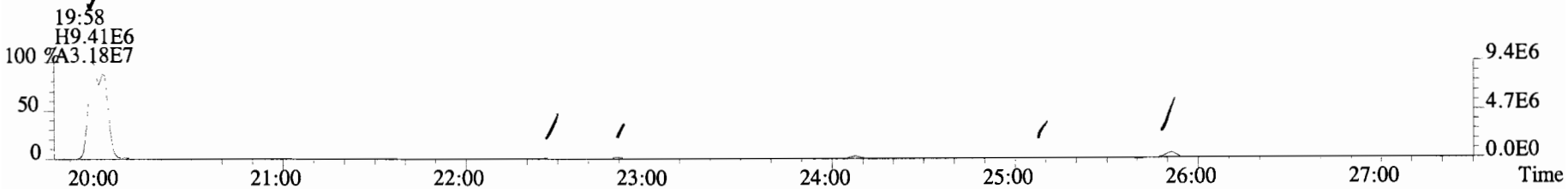



190.0363 S:12 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3580.0,0.00%,F,F)

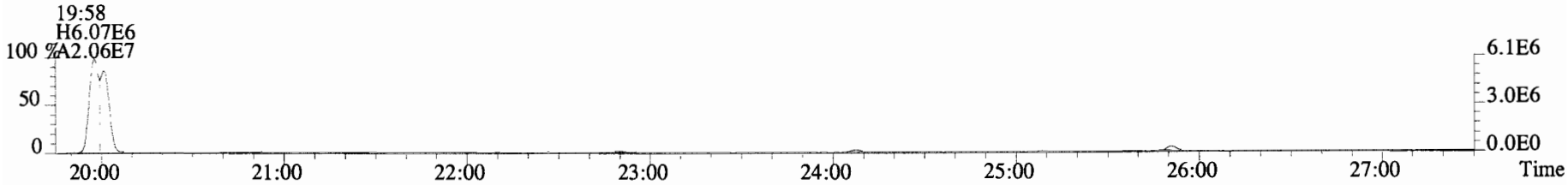


File:180409E1 #1-758 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

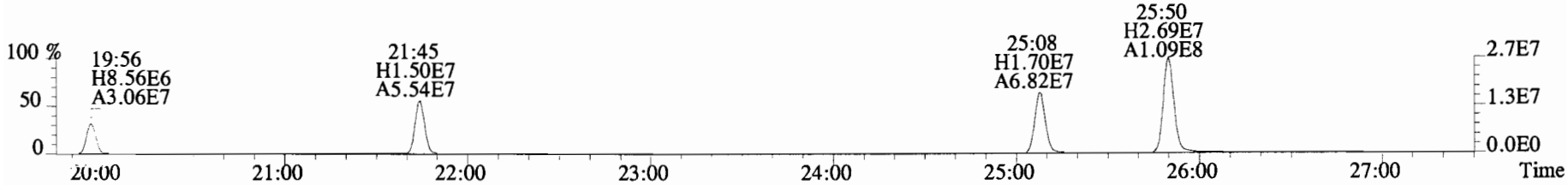
222.0003 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4116.0,0.00%,F,F)



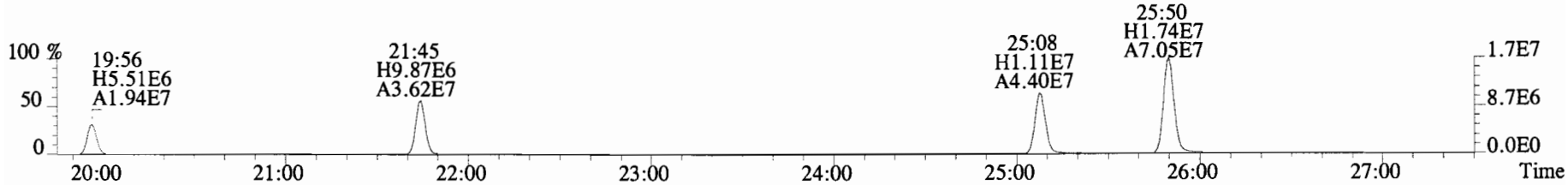

223.9974 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40780.0,0.00%,F,F)



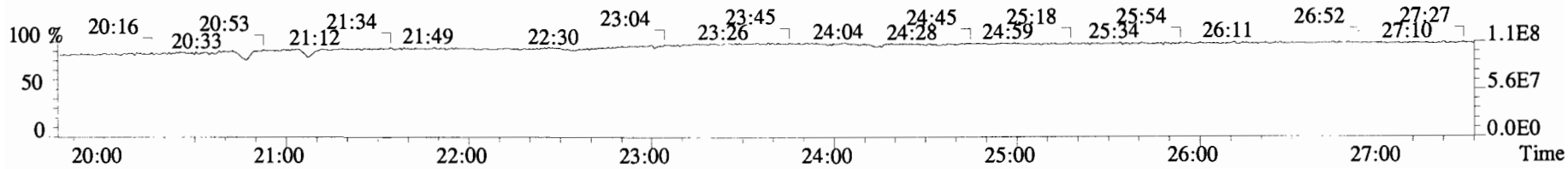

234.0406 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4488.0,0.00%,F,F)



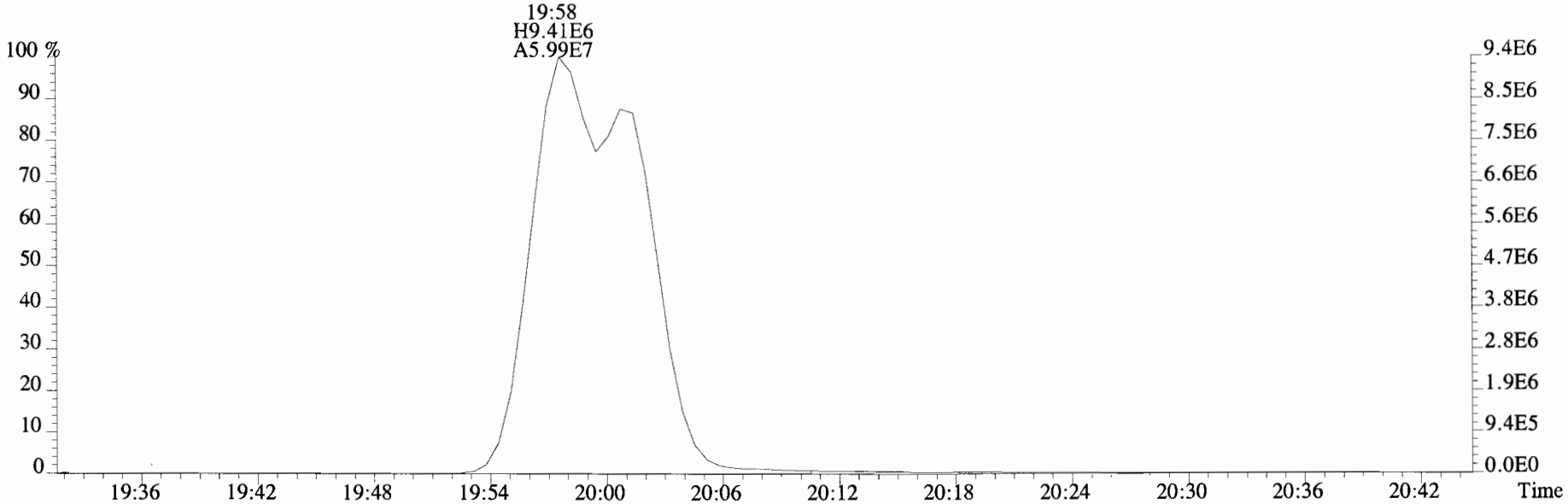

236.0376 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3716.0,0.00%,F,F)



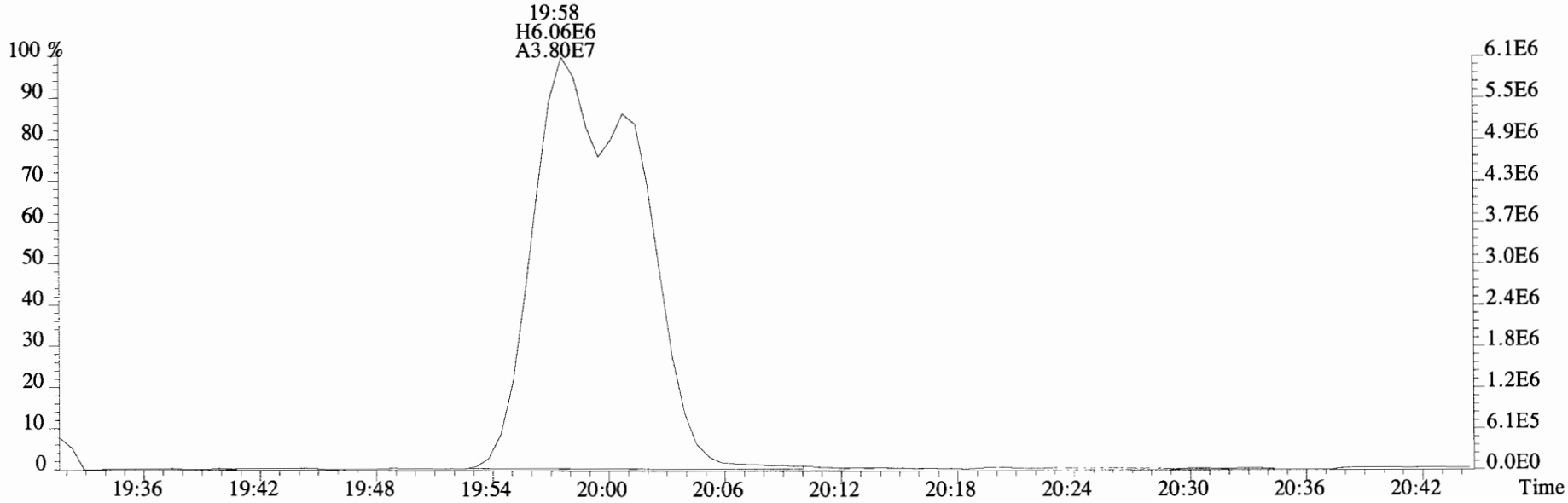

230.9856 S:12 F:2



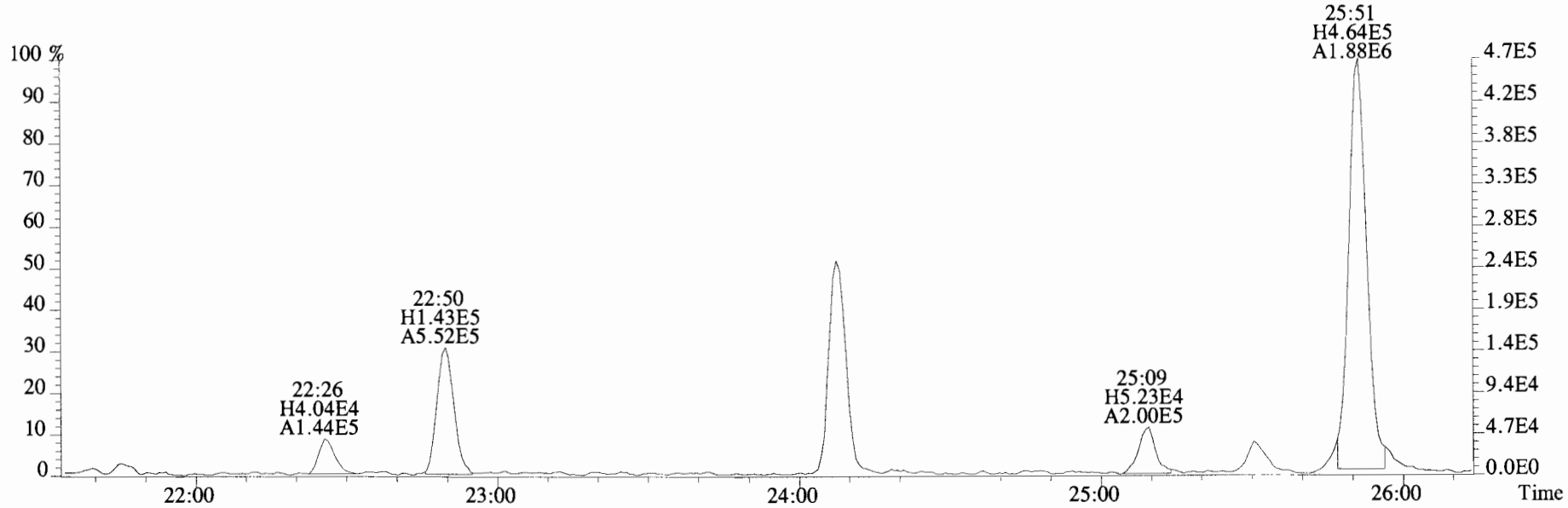
File:180409E1 #1-758 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
222.0003 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4116.0,0.00%,F,F)



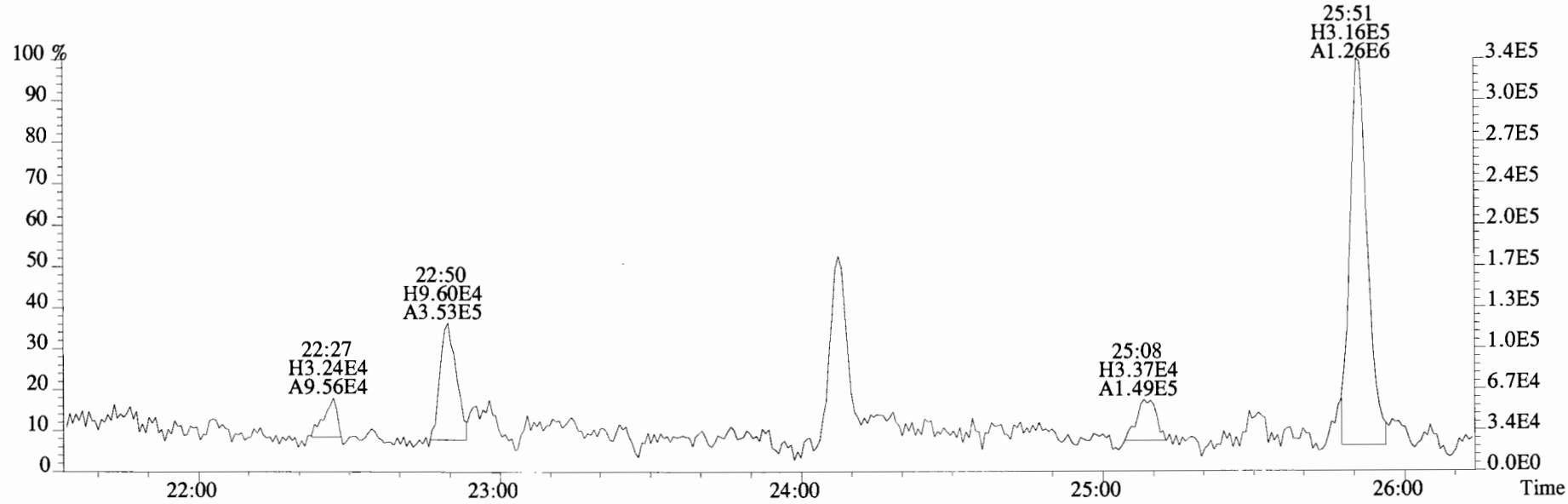

223.9974 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40780.0,0.00%,F,F)



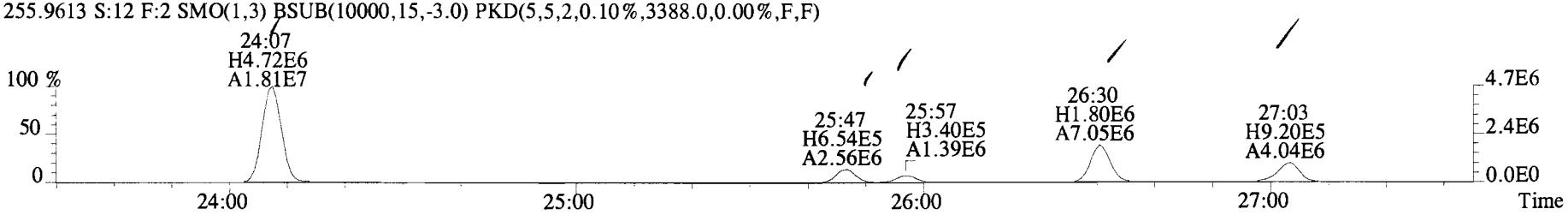
File:180409E1 #1-758 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
222.0003 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4116.0,0.00%,F,F)



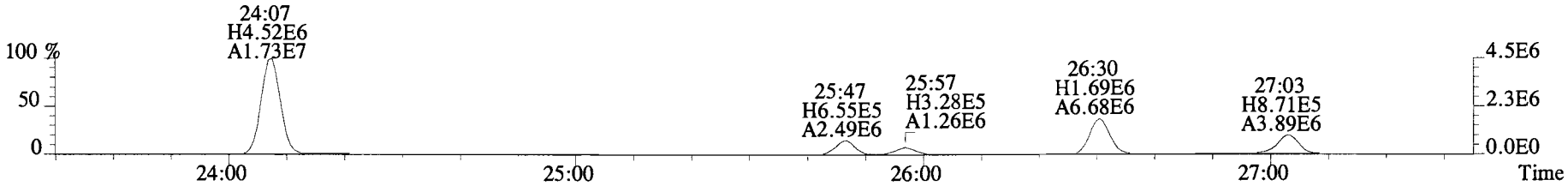

223.9974 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40780.0,0.00%,F,F)



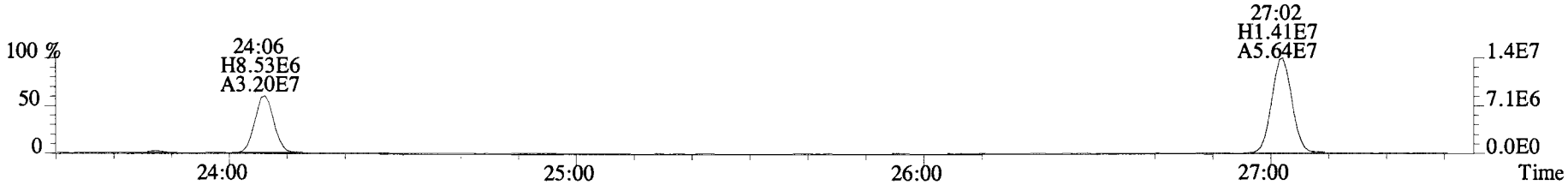
File:180409E1 #1-758 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
255.9613 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3388.0,0.00%,F,F)



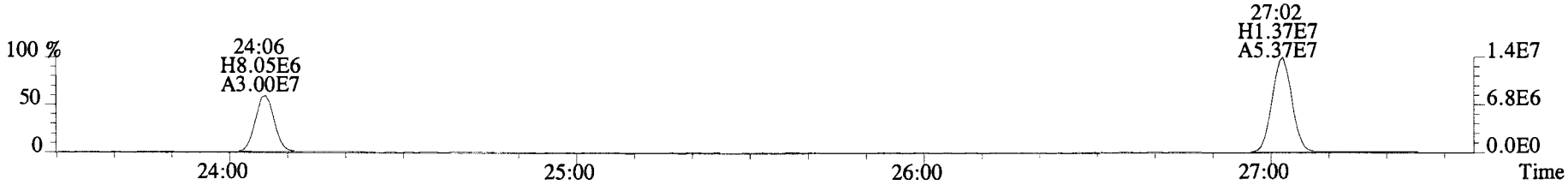

257.9584 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2664.0,0.00%,F,F)



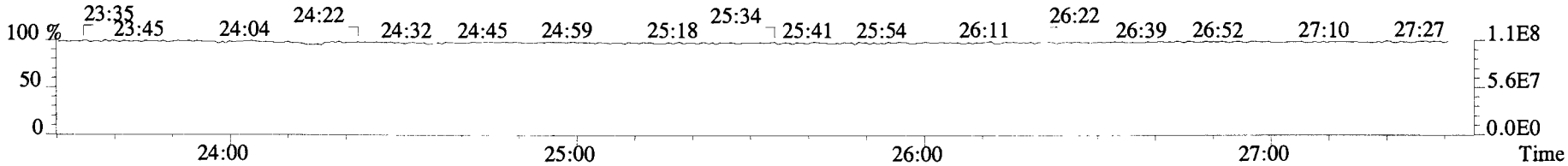

268.0016 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,65300.0,0.00%,F,F)



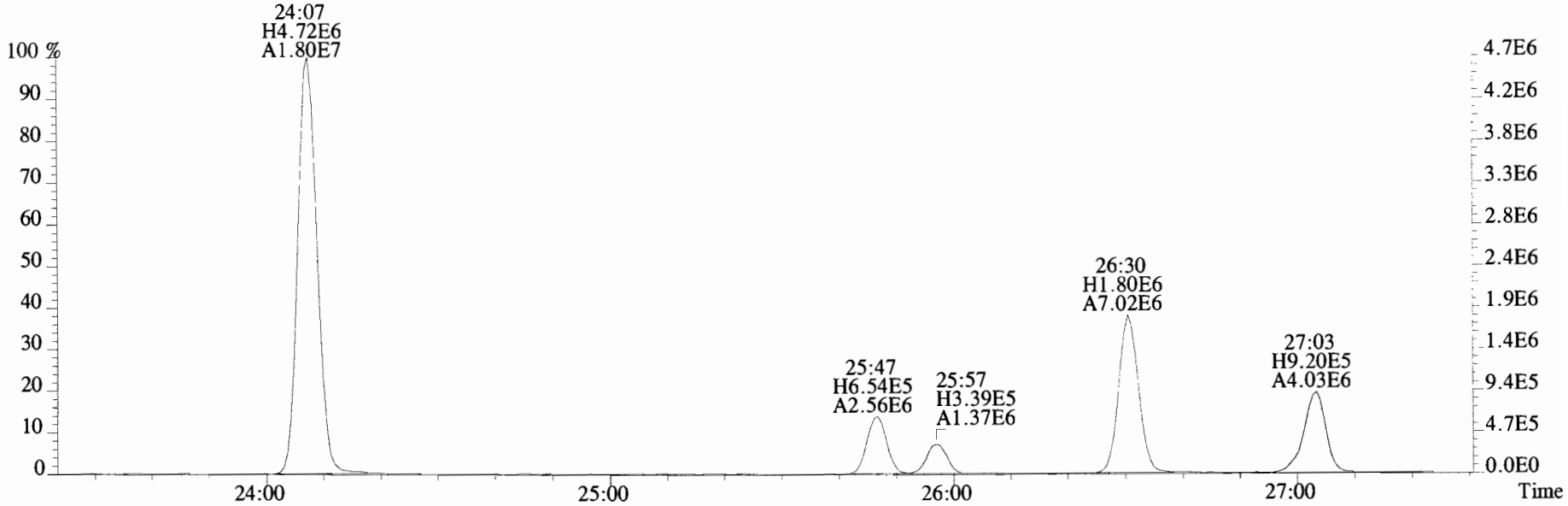

269.9986 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,61968.0,0.00%,F,F)



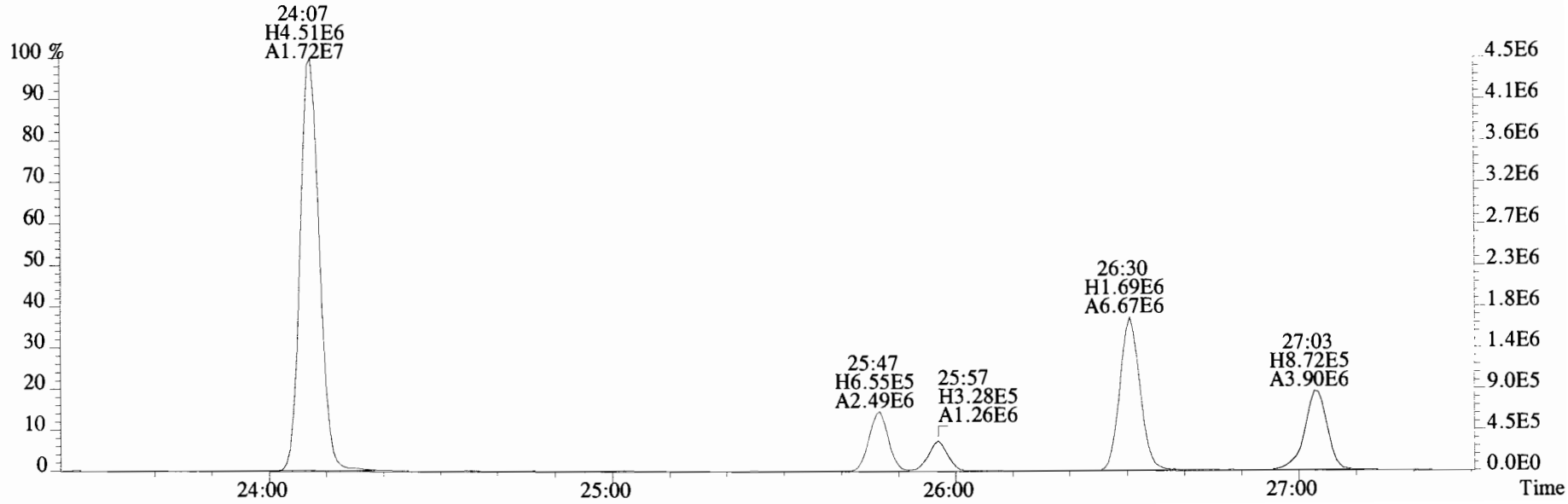

230.9856 S:12 F:2



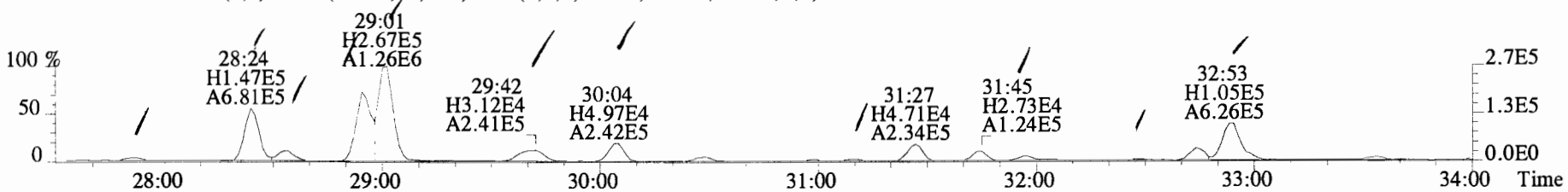
File:180409E1 #1-758 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
255.9613 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3388.0,0.00%,F,F)



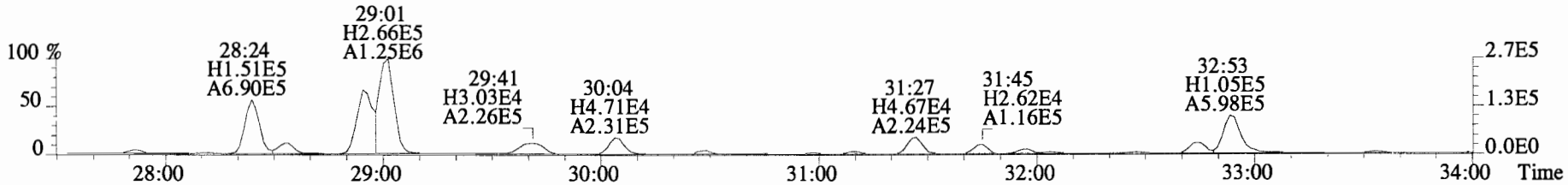

257.9584 S:12 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2664.0,0.00%,F,F)



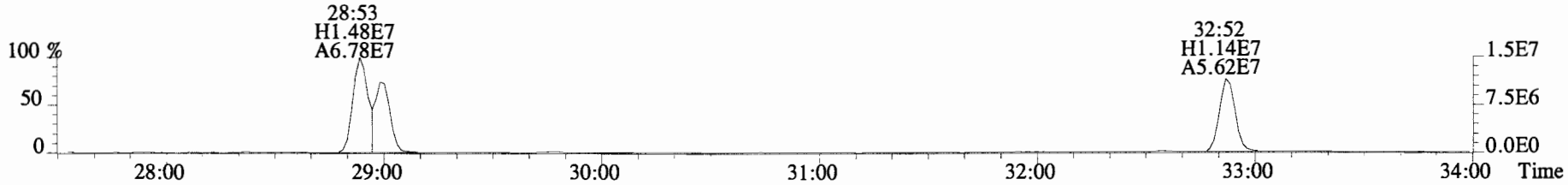
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
255.9613 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



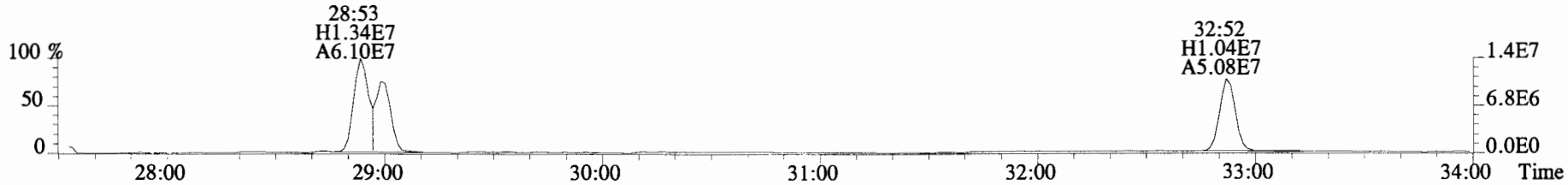

257.9584 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2656.0,0.00%,F,F)



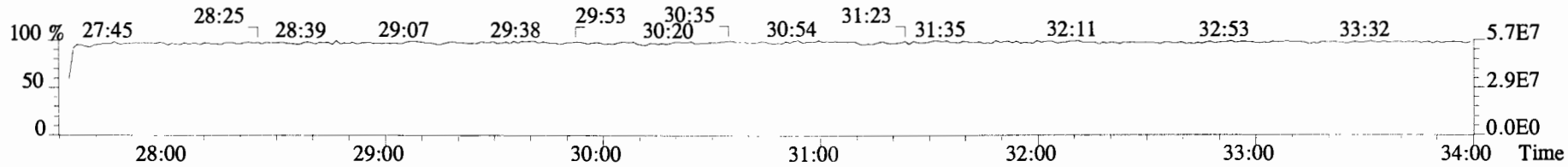

268.0016 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,112368.0,0.00%,F,F)



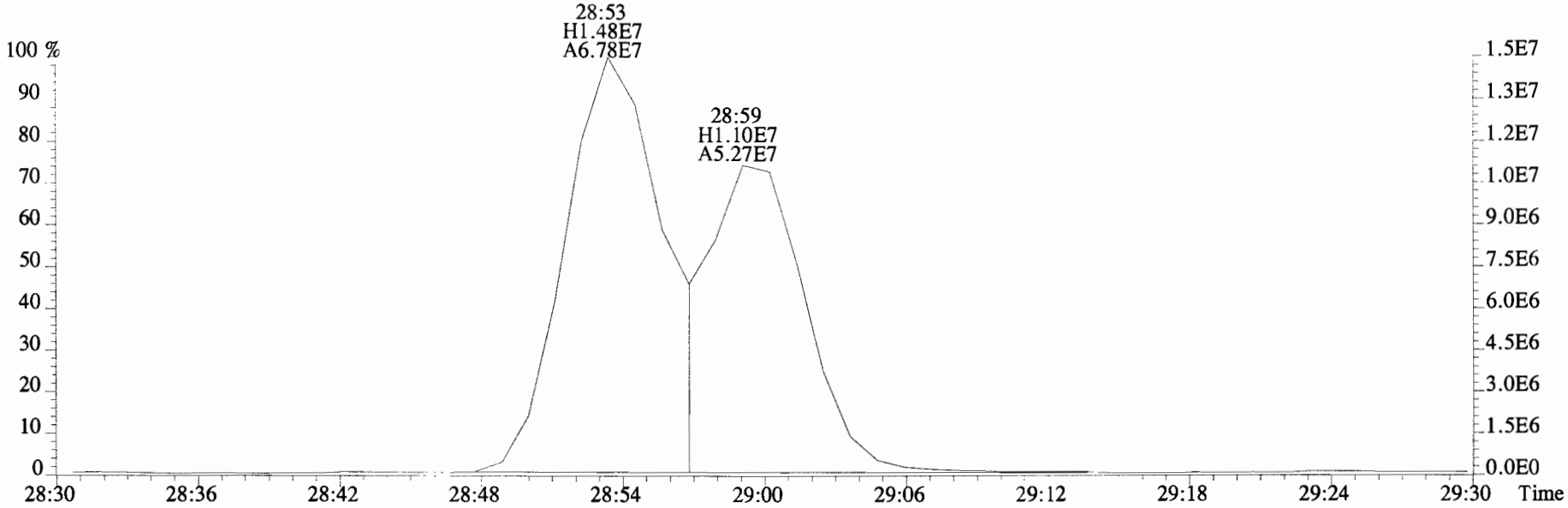

269.9986 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,246708.0,0.00%,F,F)



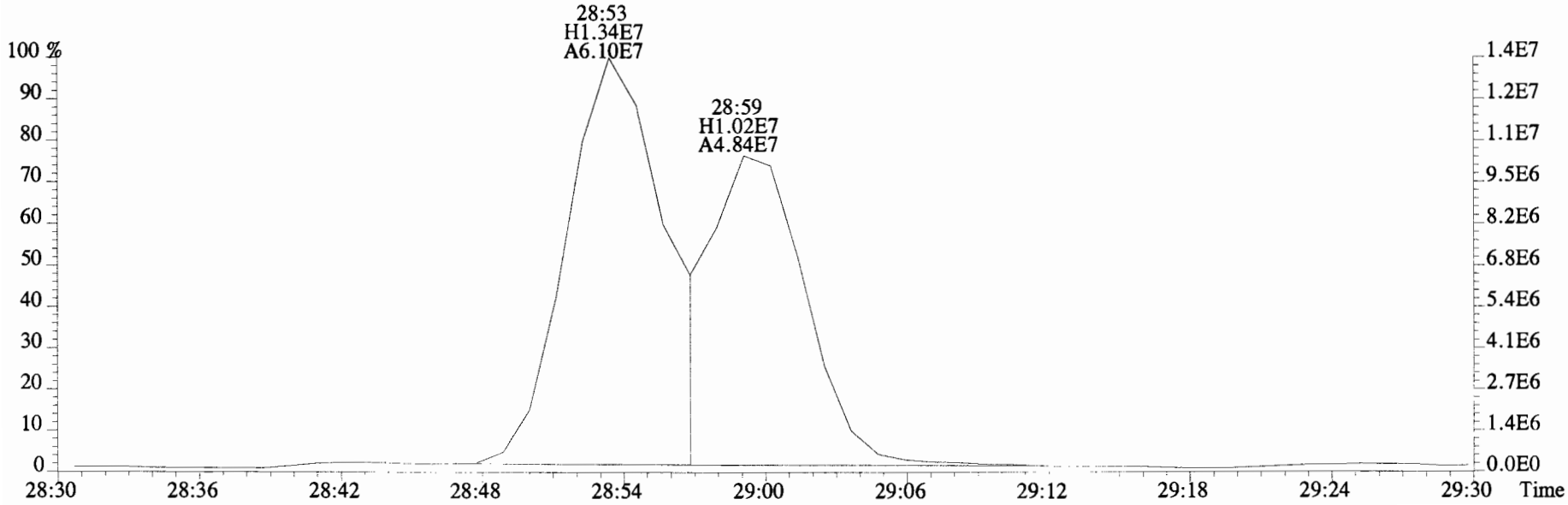

330.9792 S:12 F:3



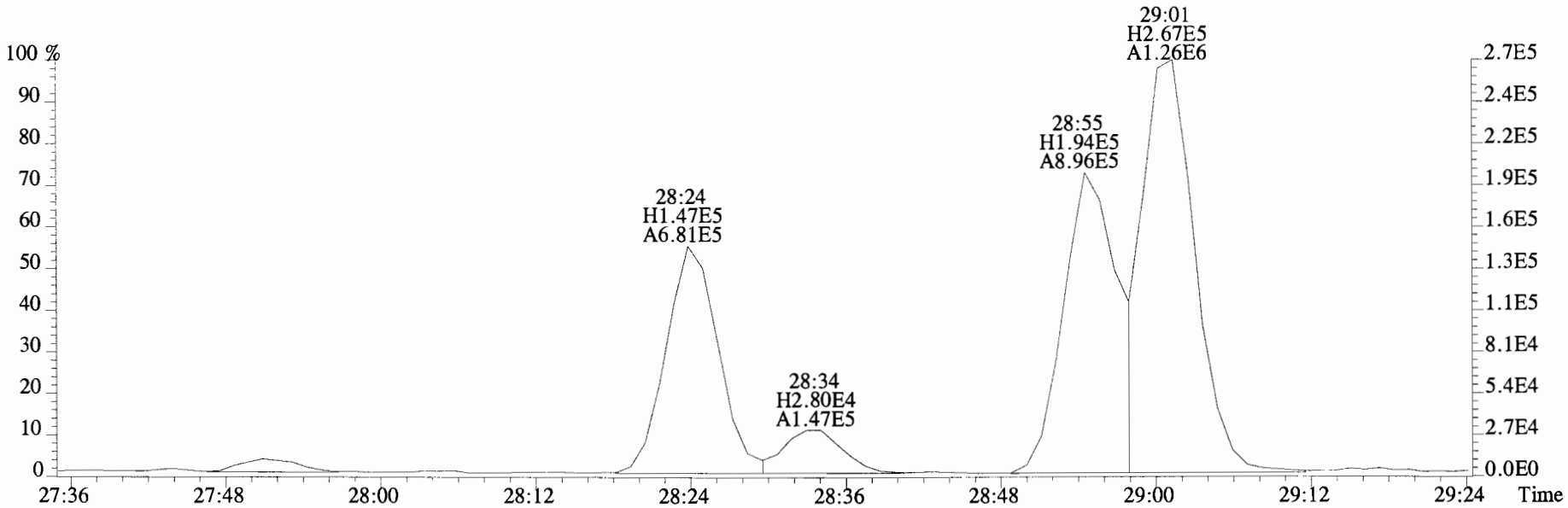
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
268.0016 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,112368.0,0.00%,F,F)



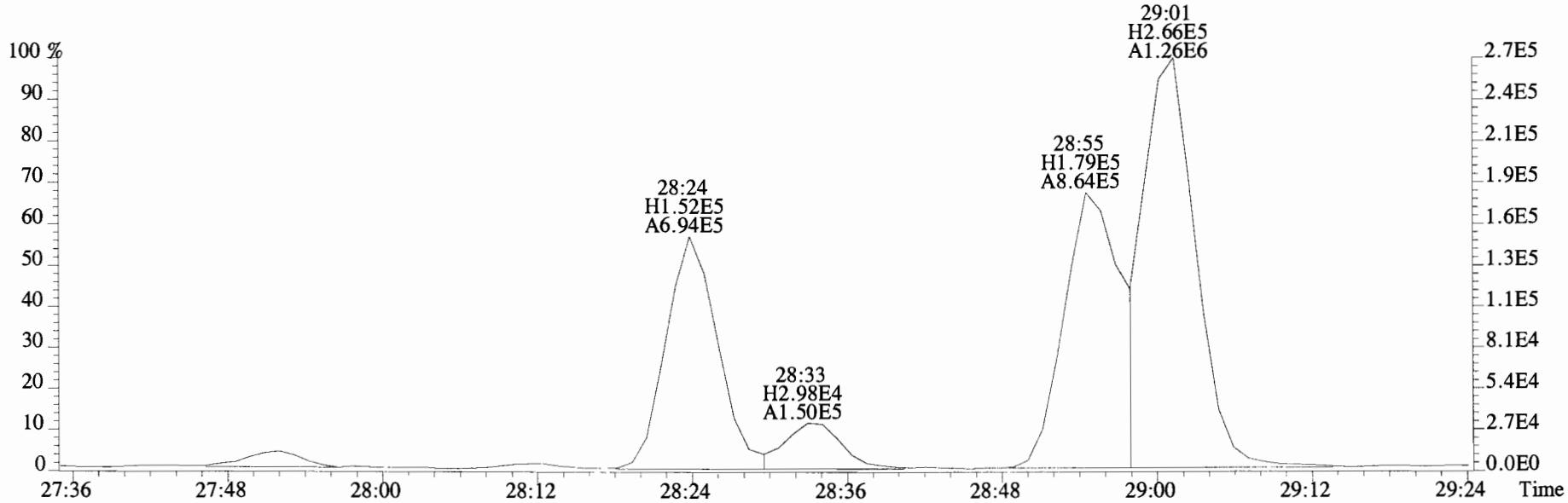

269.9986 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,246708.0,0.00%,F,F)



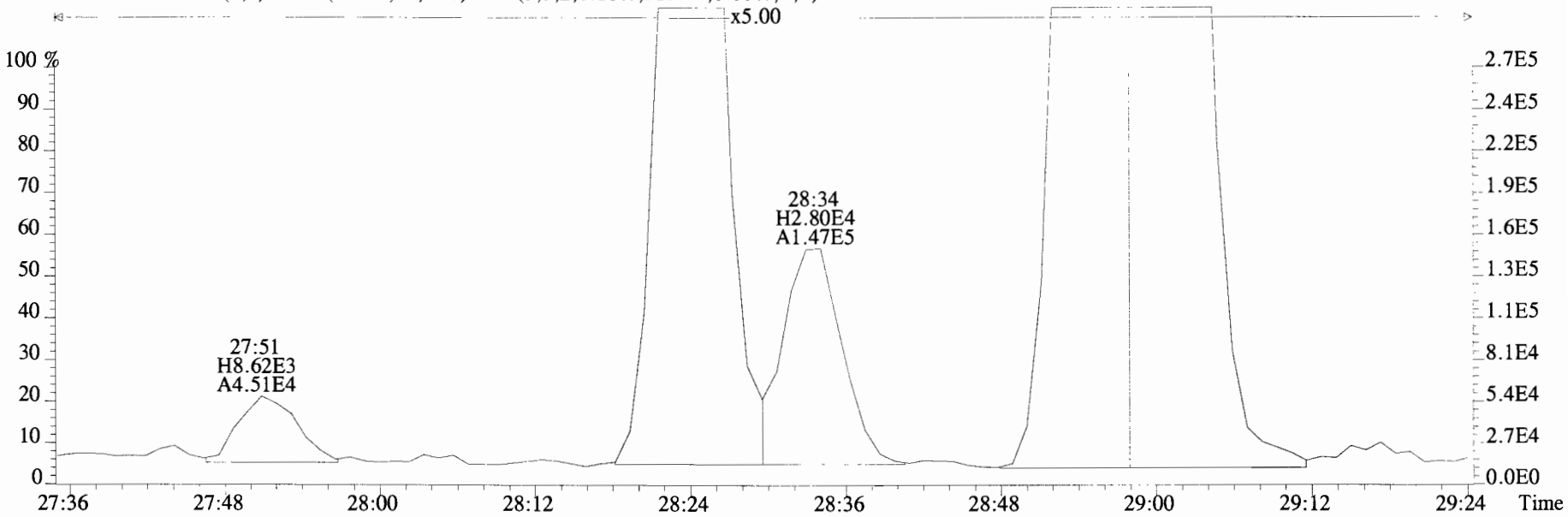
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
255.9613 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



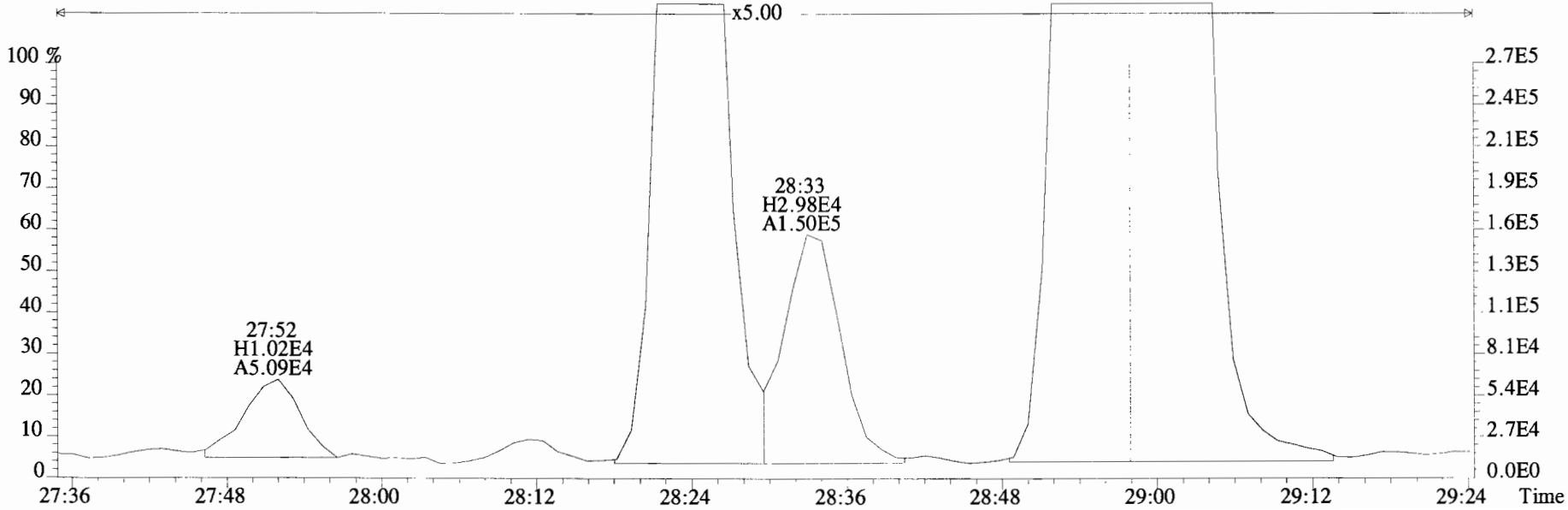

257.9584 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2656.0,0.00%,F,F)



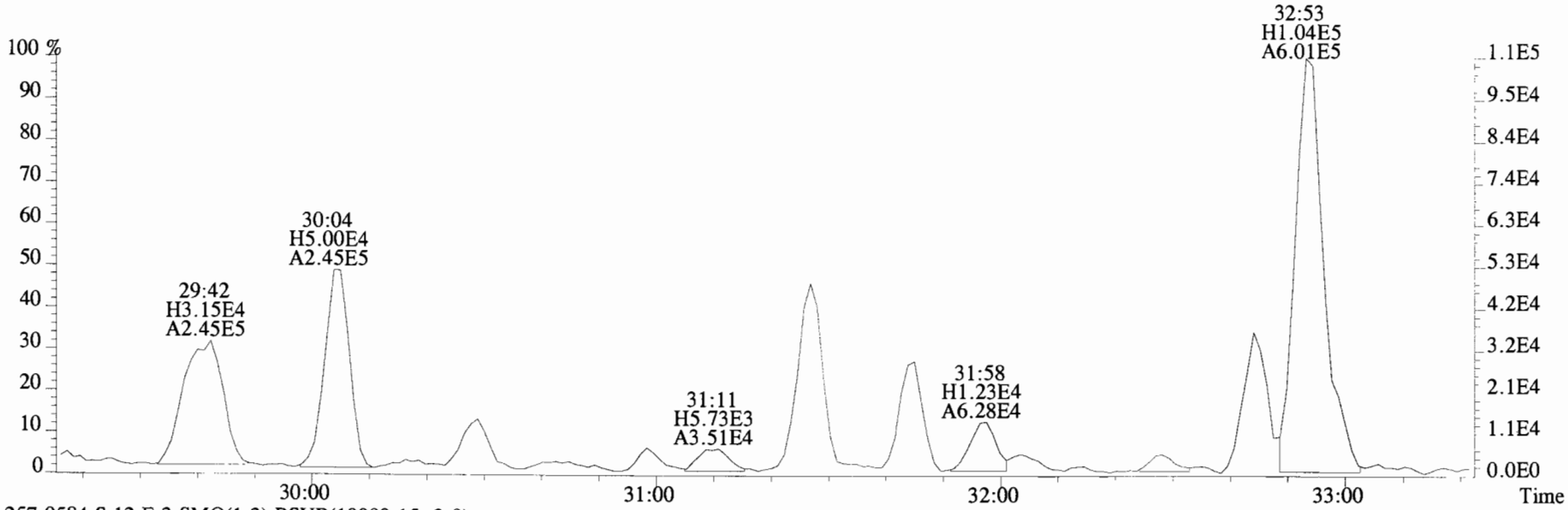
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
255.9613 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



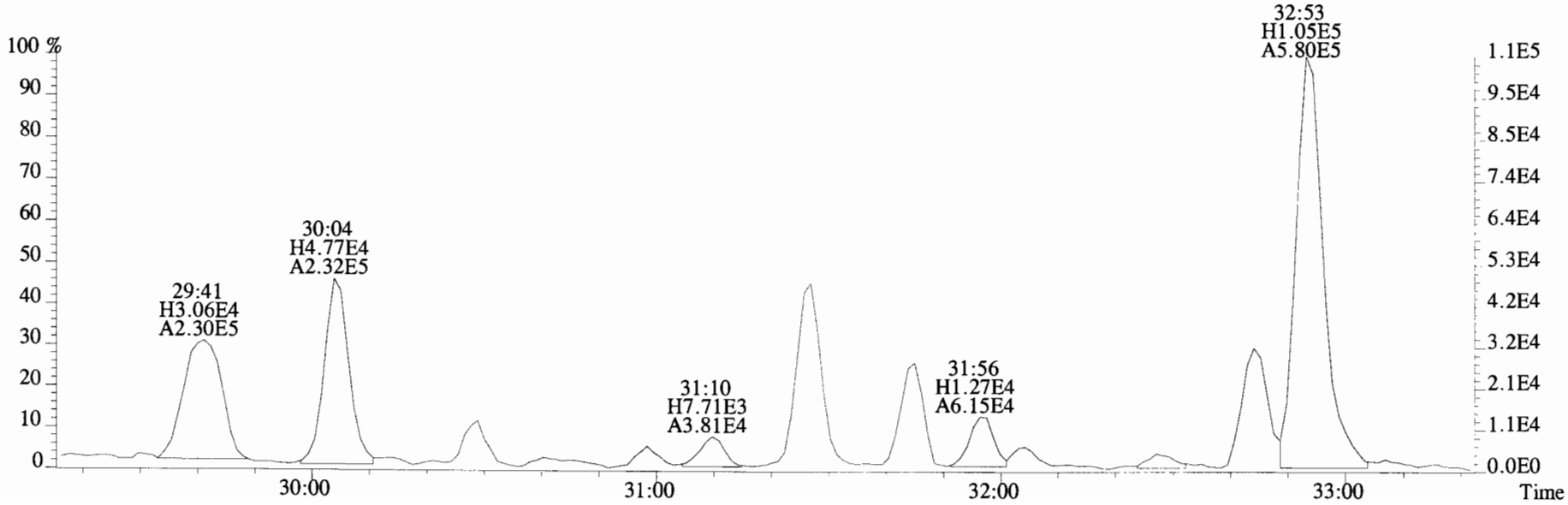

257.9584 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2656.0,0.00%,F,F)



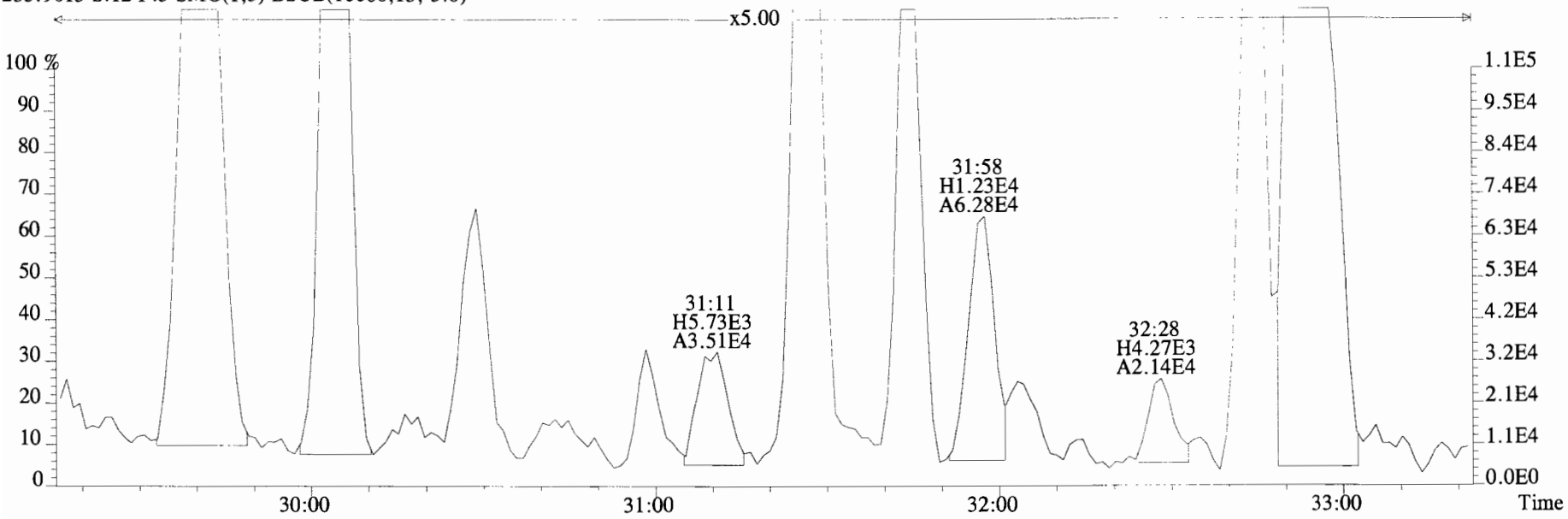
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
255.9613 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



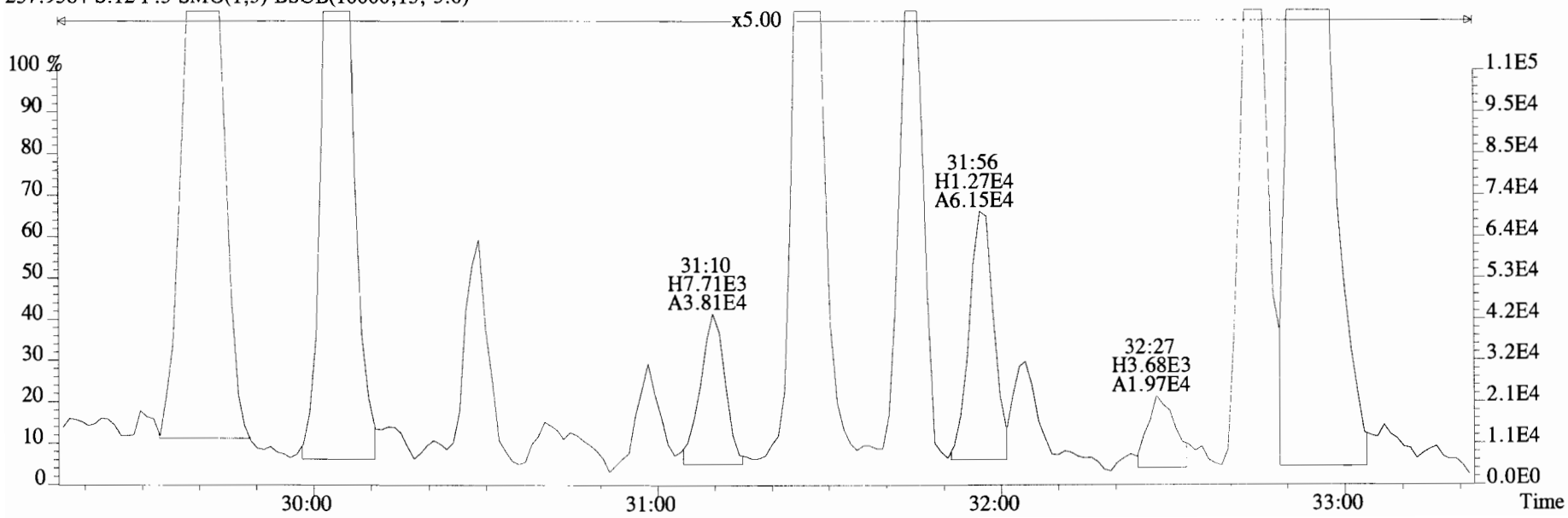

257.9584 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



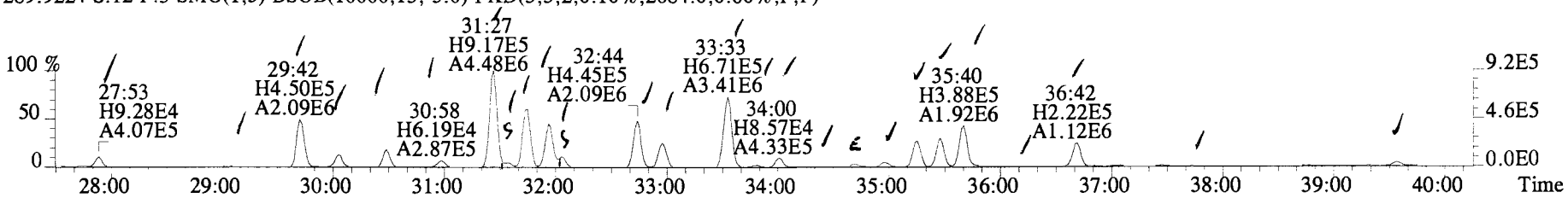
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
255.9613 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



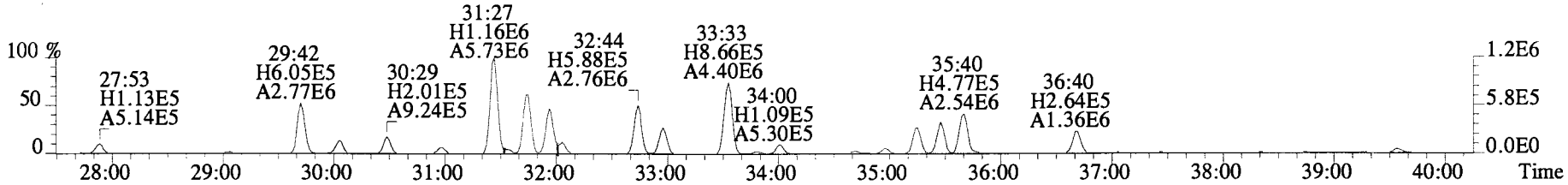

257.9584 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



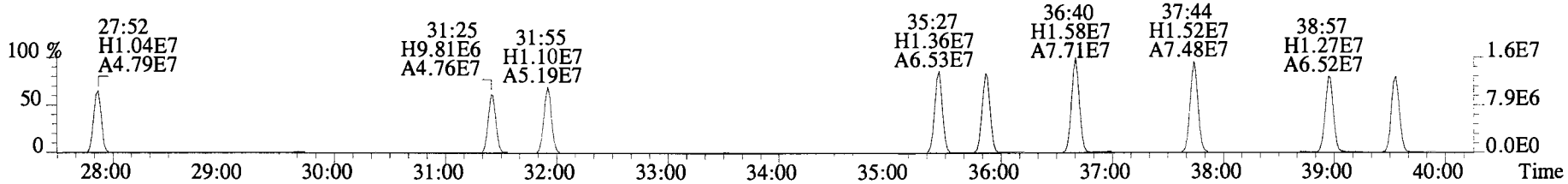
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



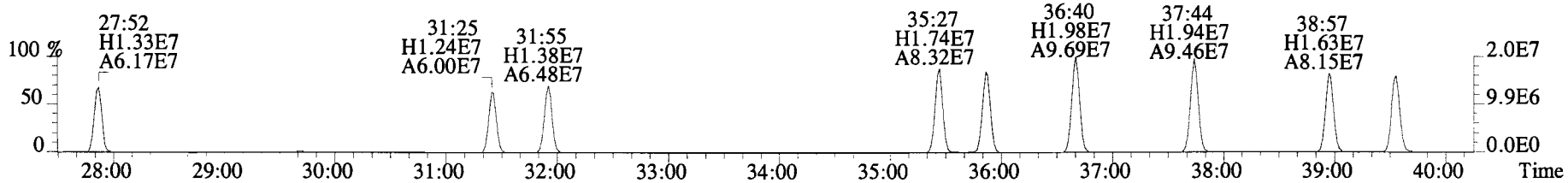

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



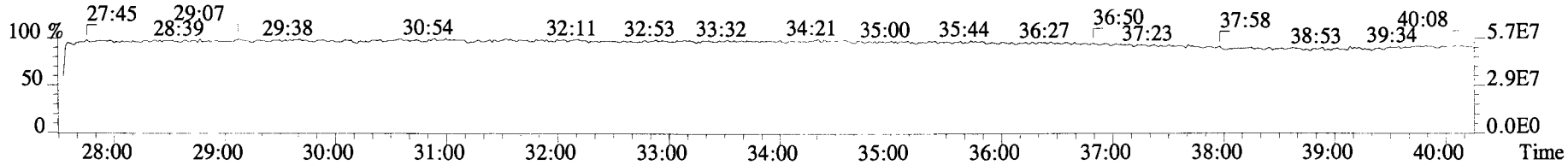

301.9626 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29892.0,0.00%,F,F)



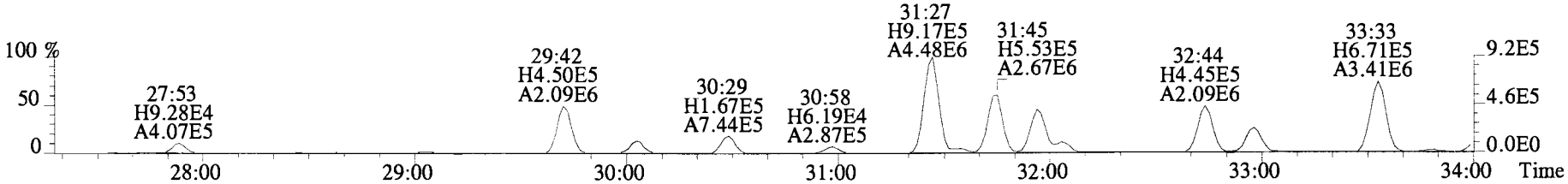

303.9597 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19200.0,0.00%,F,F)



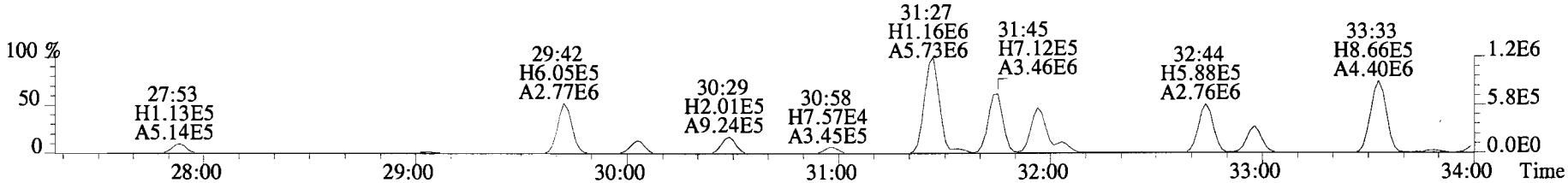

330.9792 S:12 F:3



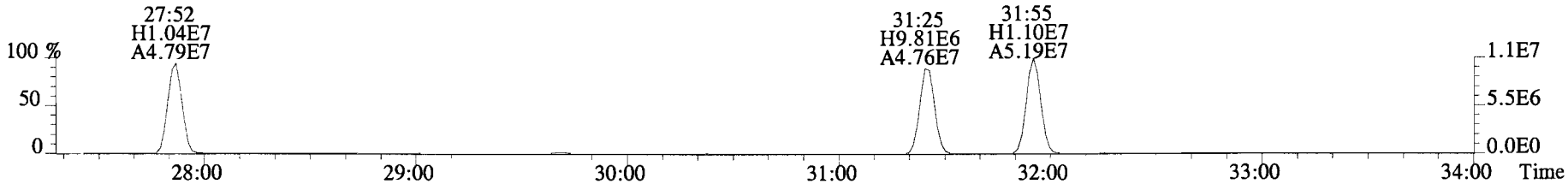
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



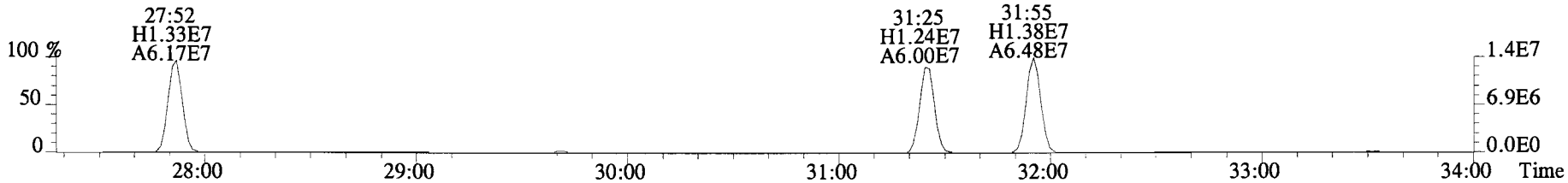

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



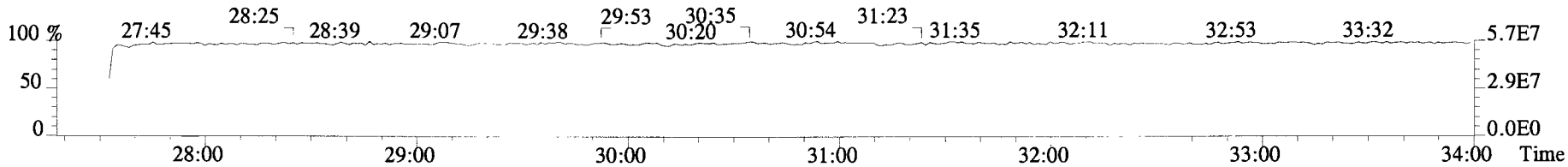

301.9626 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29892.0,0.00%,F,F)



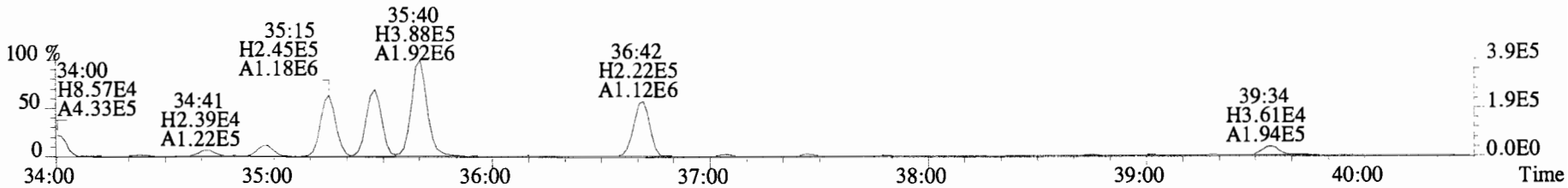

303.9597 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19200.0,0.00%,F,F)



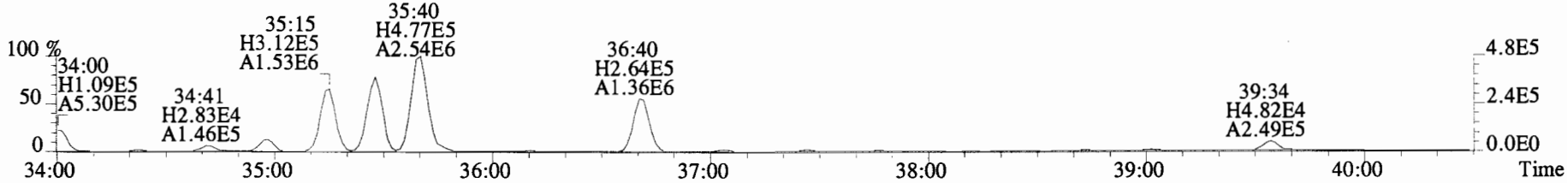

330.9792 S:12 F:3



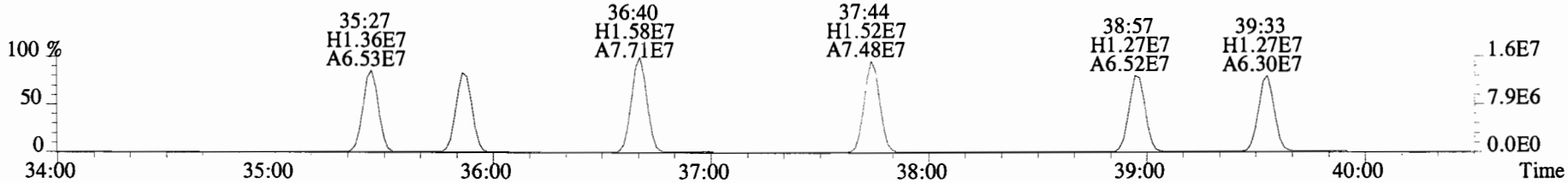
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



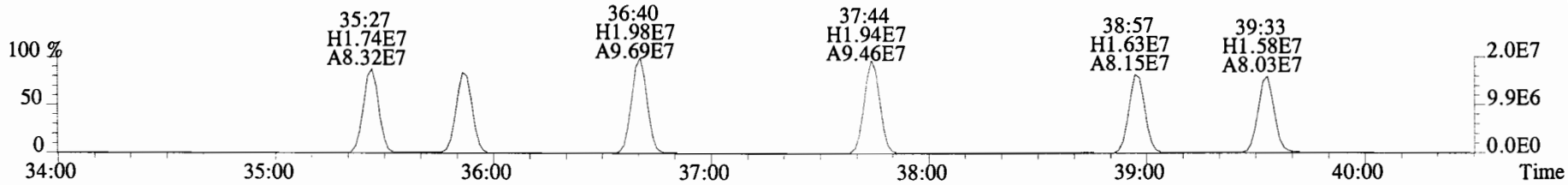

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



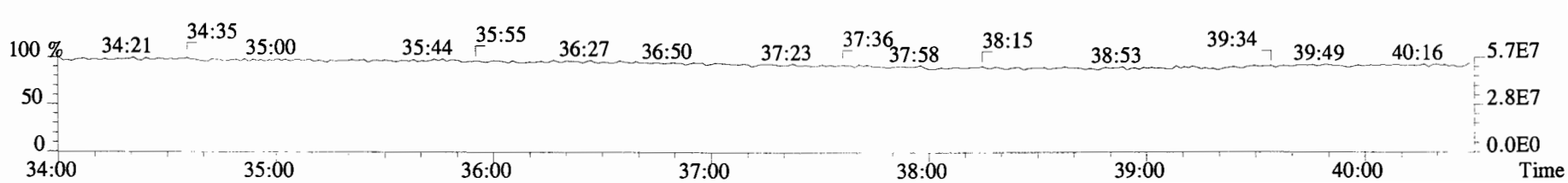

301.9626 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29892.0,0.00%,F,F)




303.9597 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19200.0,0.00%,F,F)

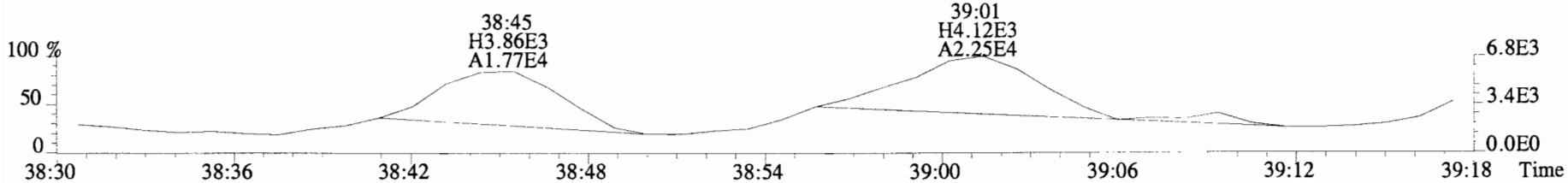



330.9792 S:12 F:3

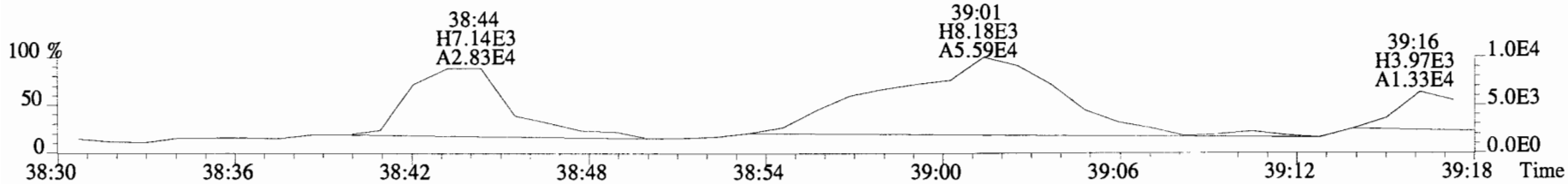


File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

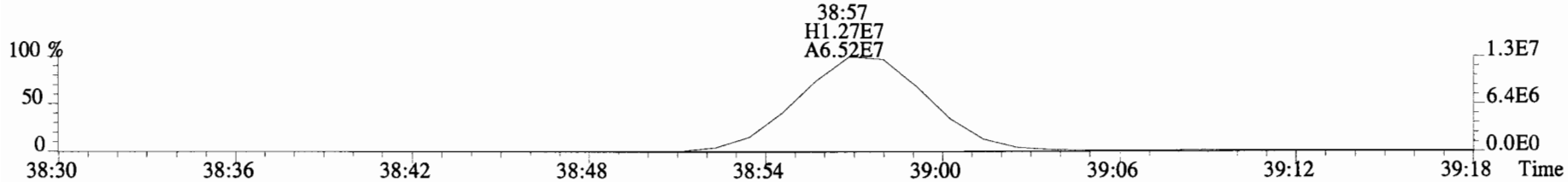
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



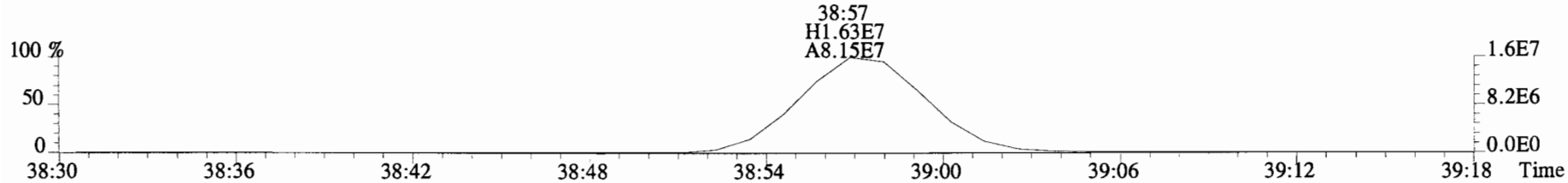

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



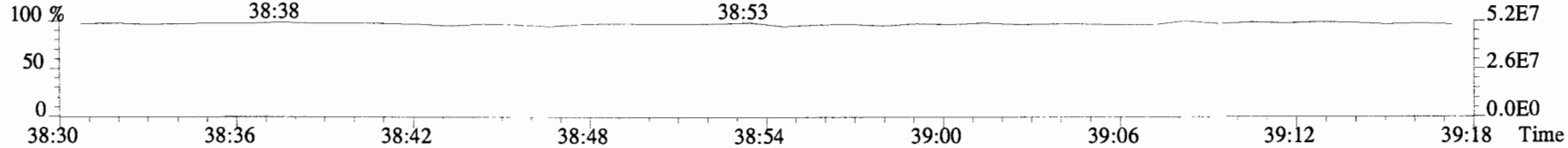

301.9626 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29892.0,0.00%,F,F)



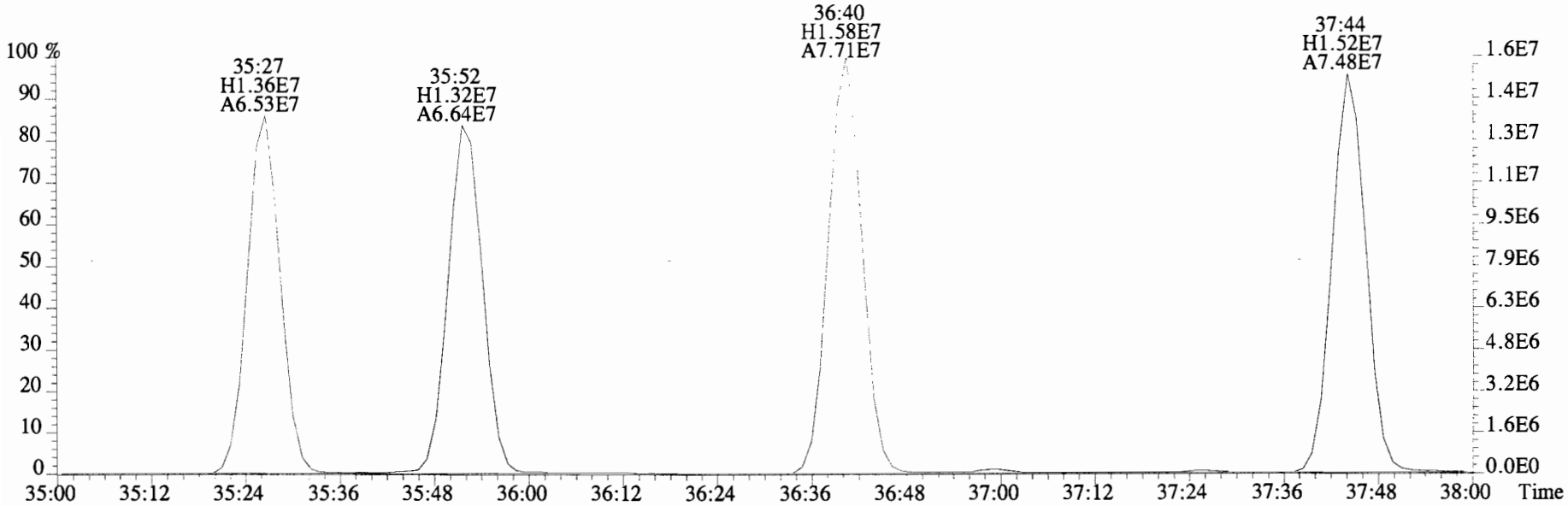

303.9597 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19200.0,0.00%,F,F)



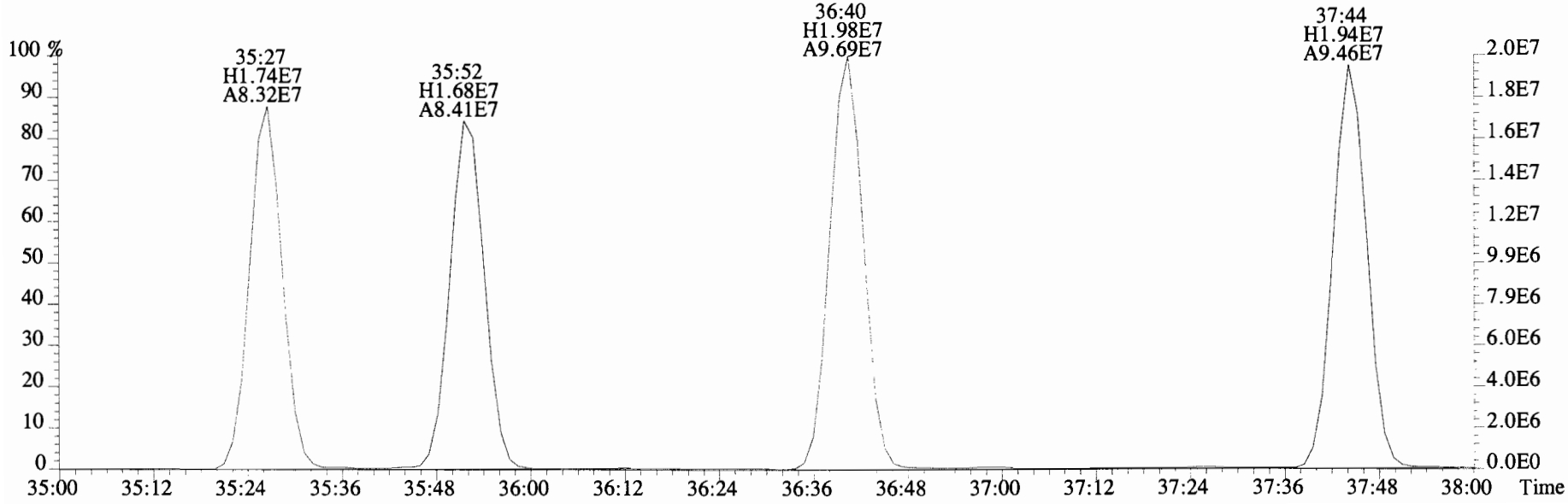

330.9792 S:12 F:3



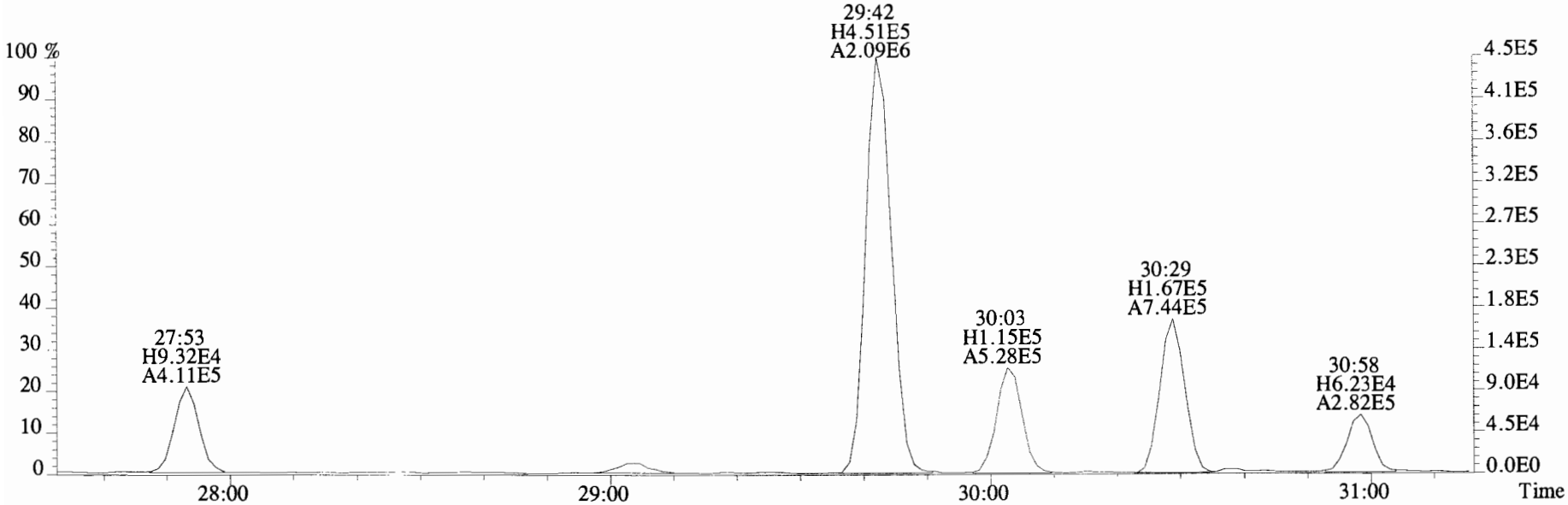
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
301.9626 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29892.0,0.00%,F,F)



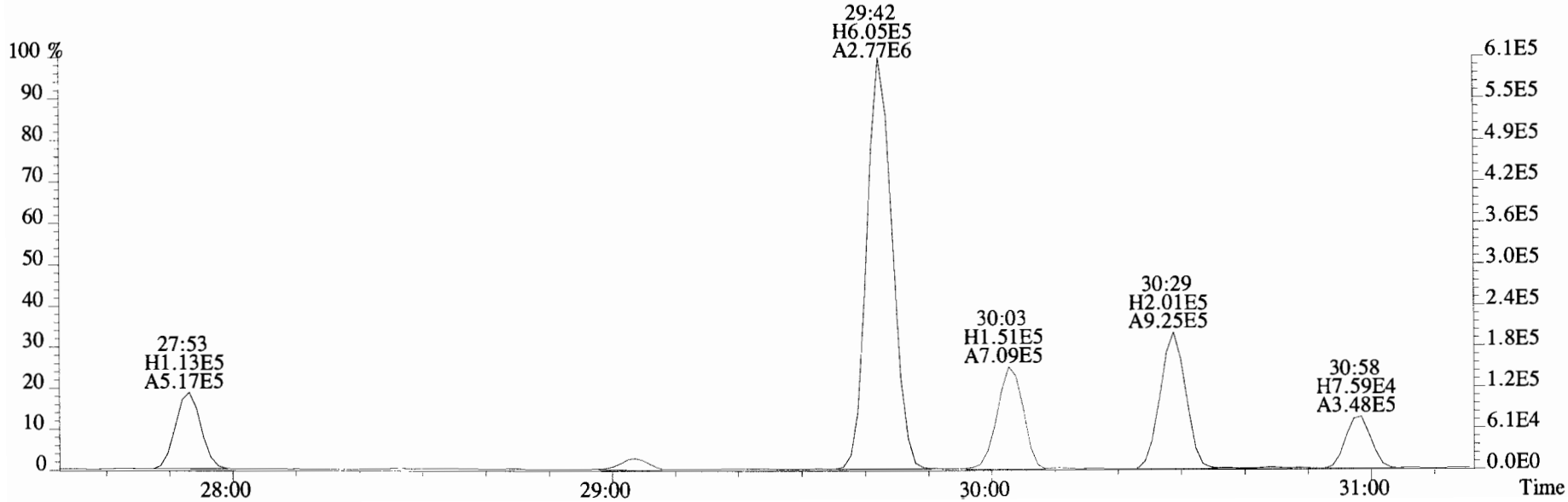

303.9597 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19200.0,0.00%,F,F)



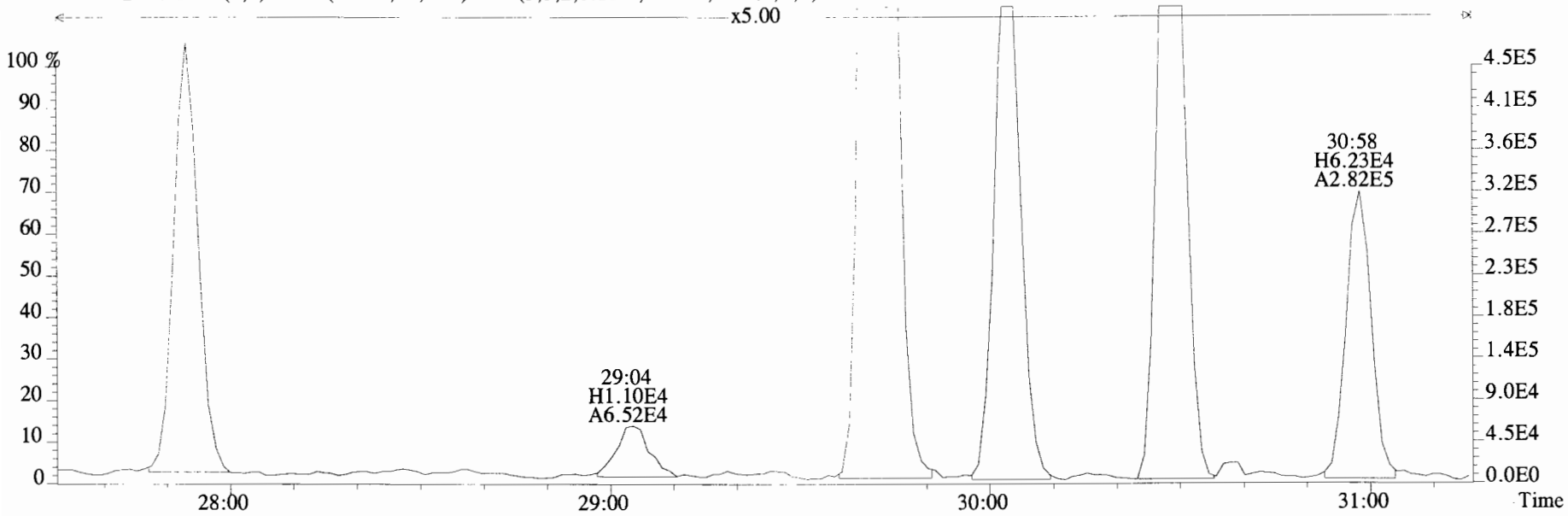
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



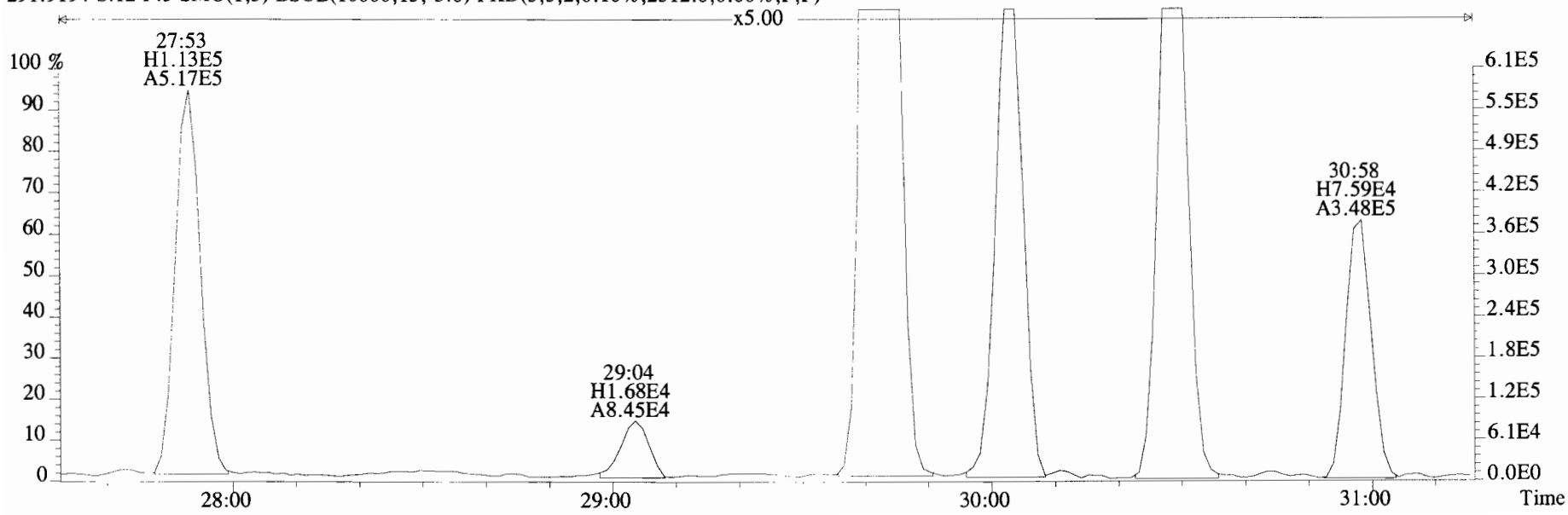

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



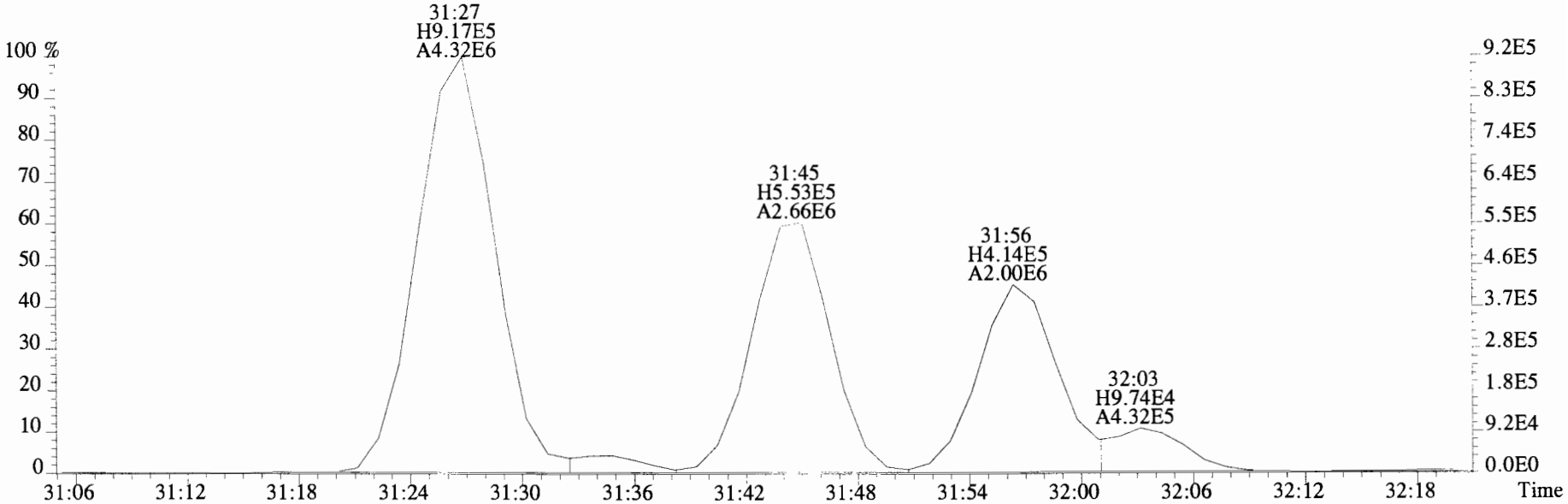
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



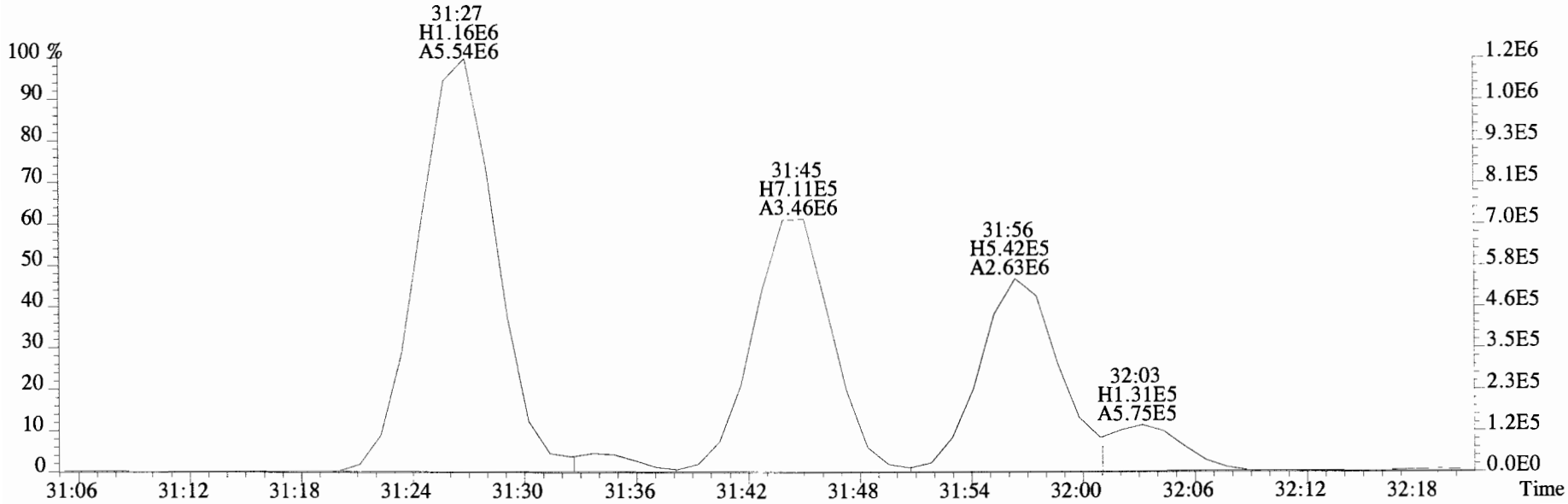

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



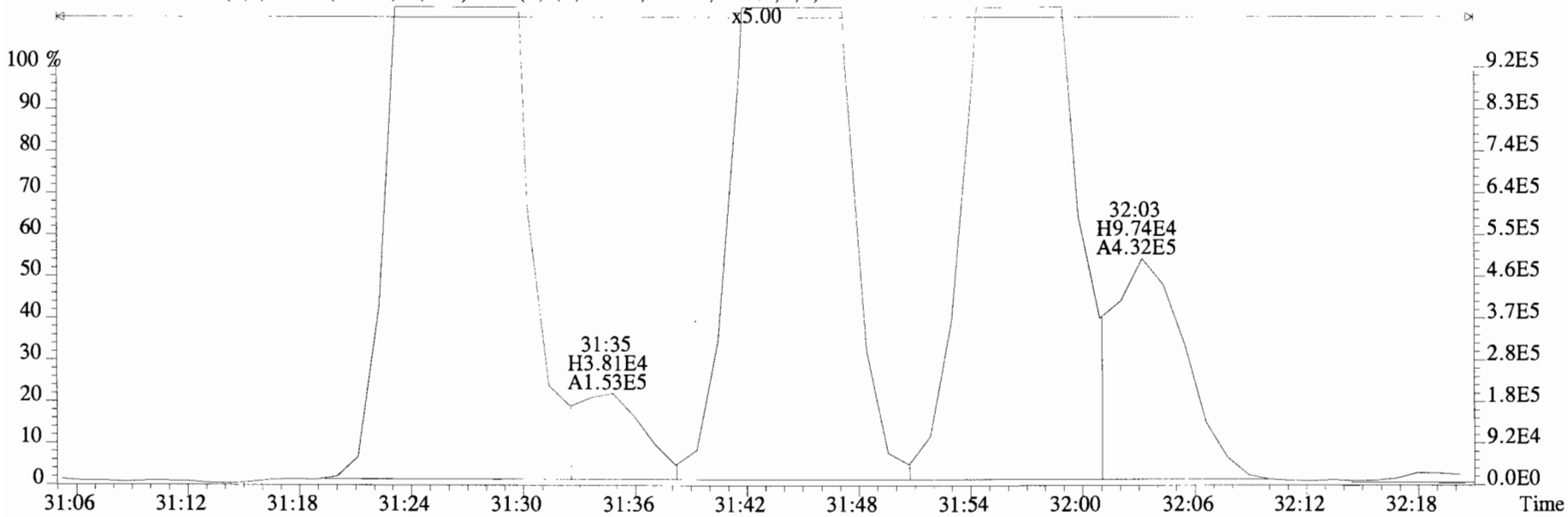
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



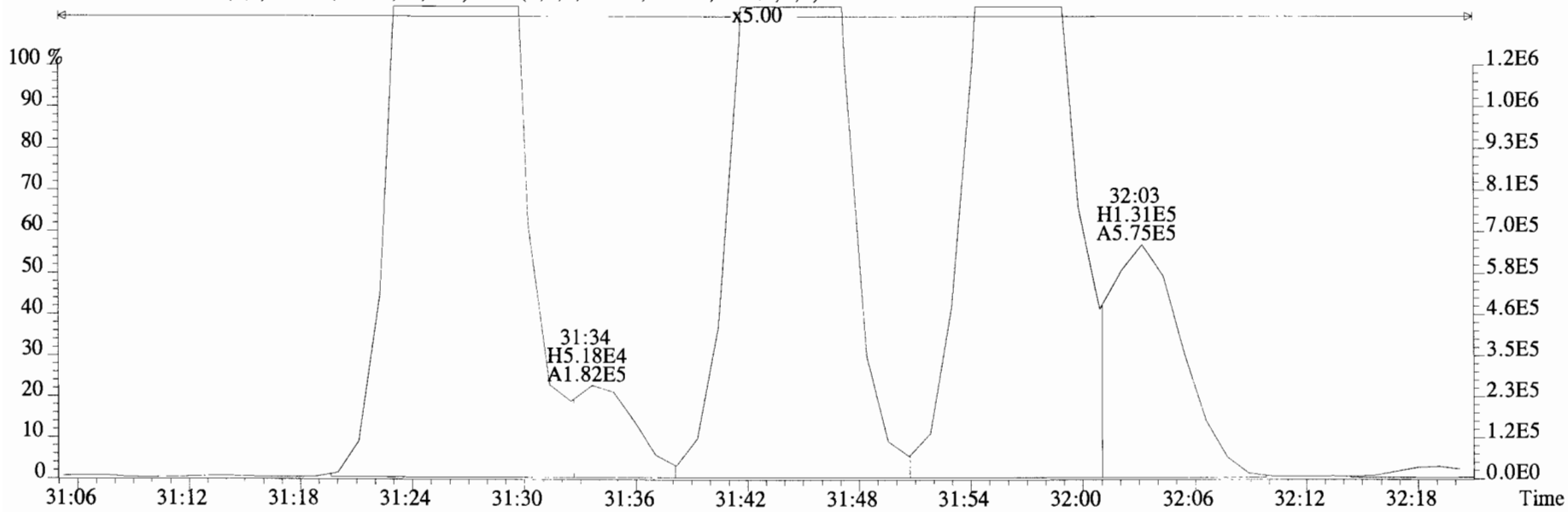

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



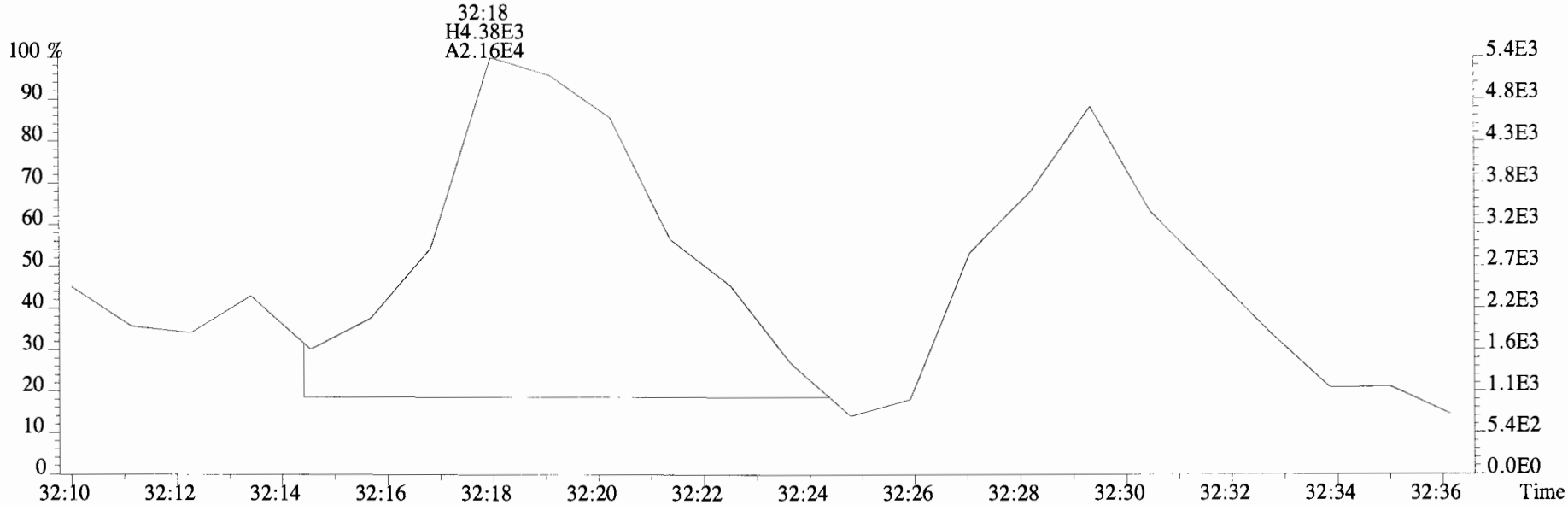
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)




291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)

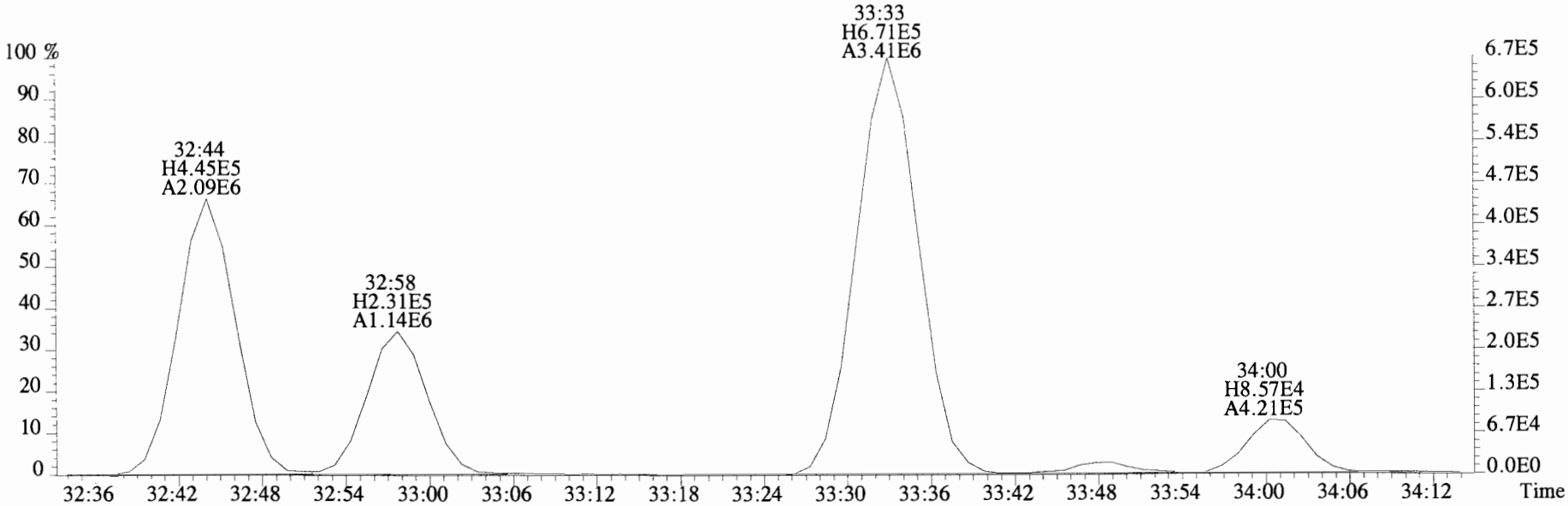


File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)

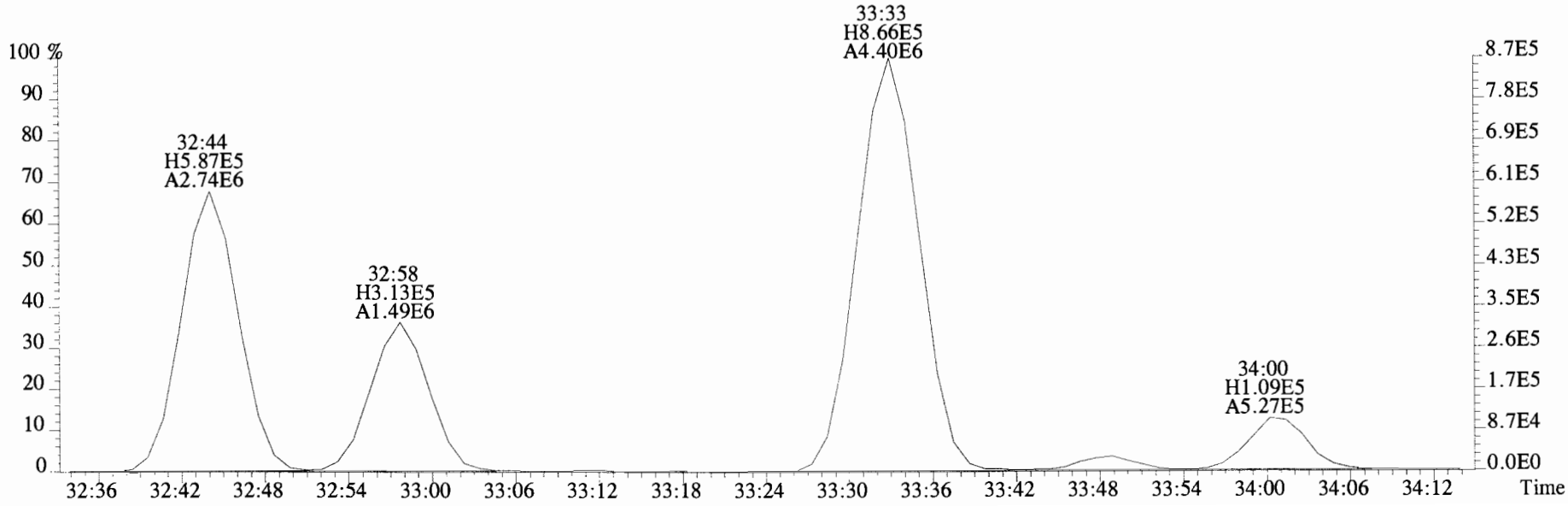



291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)

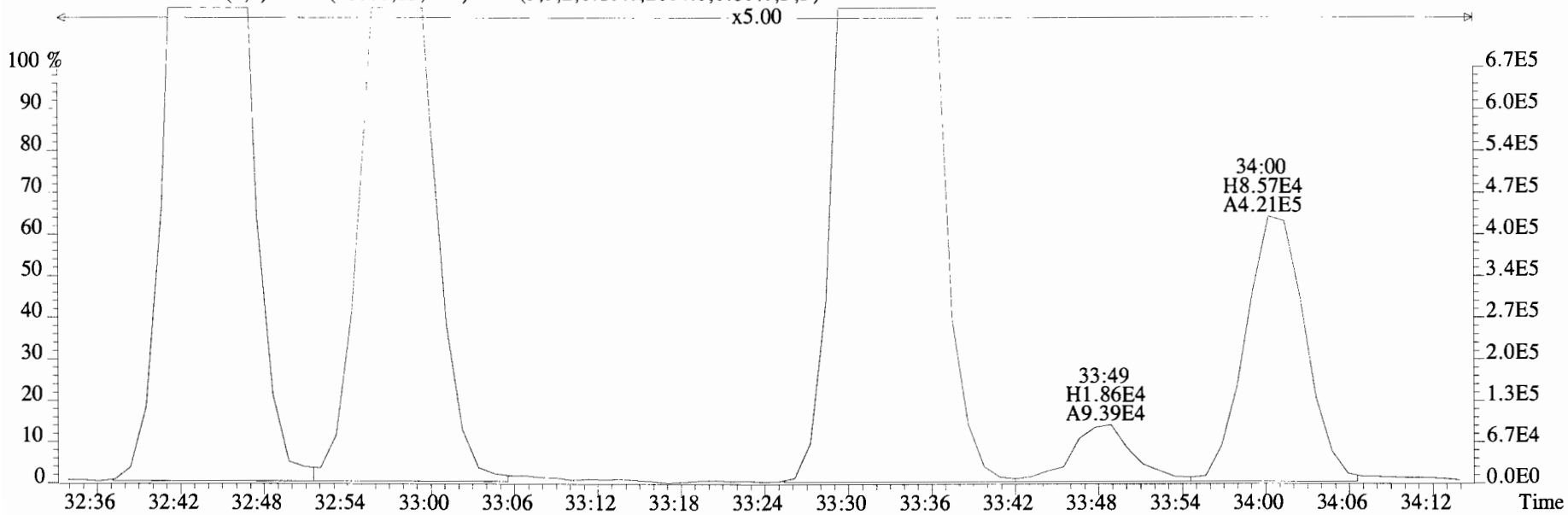
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



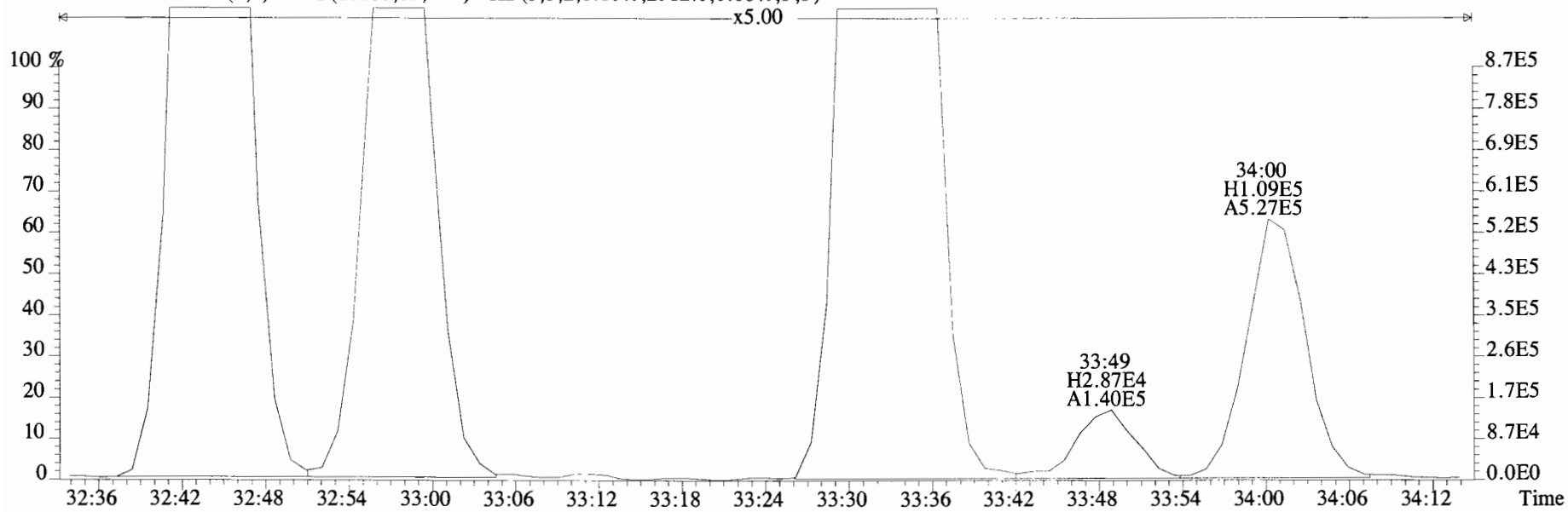

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



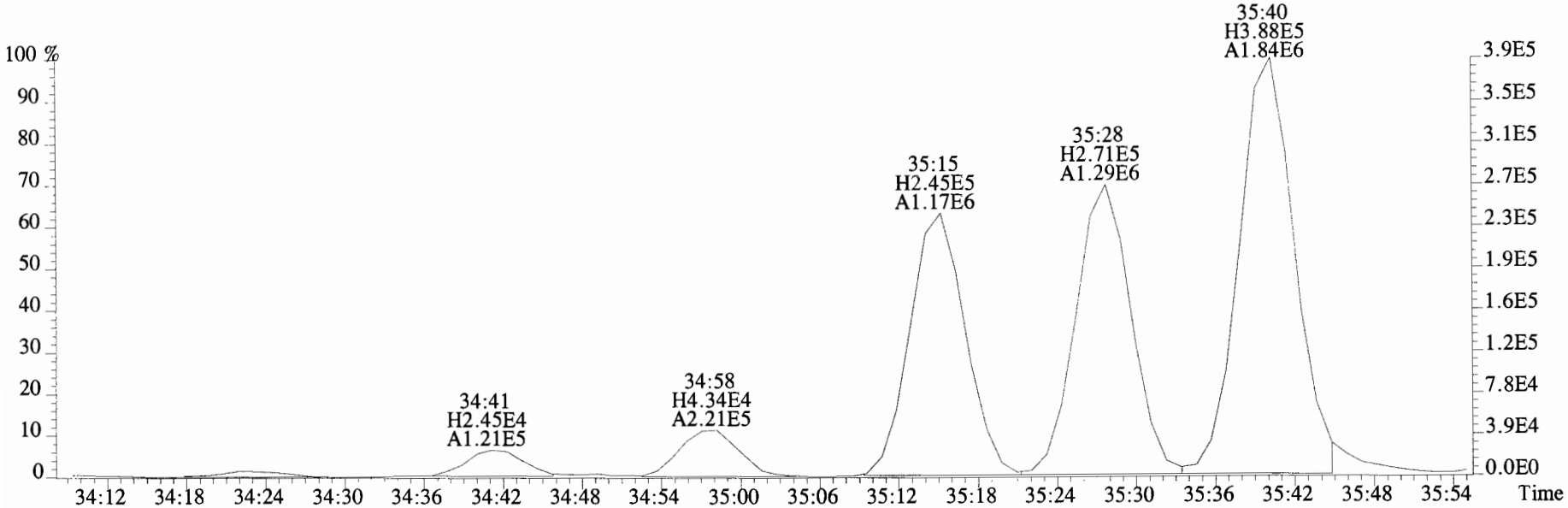
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



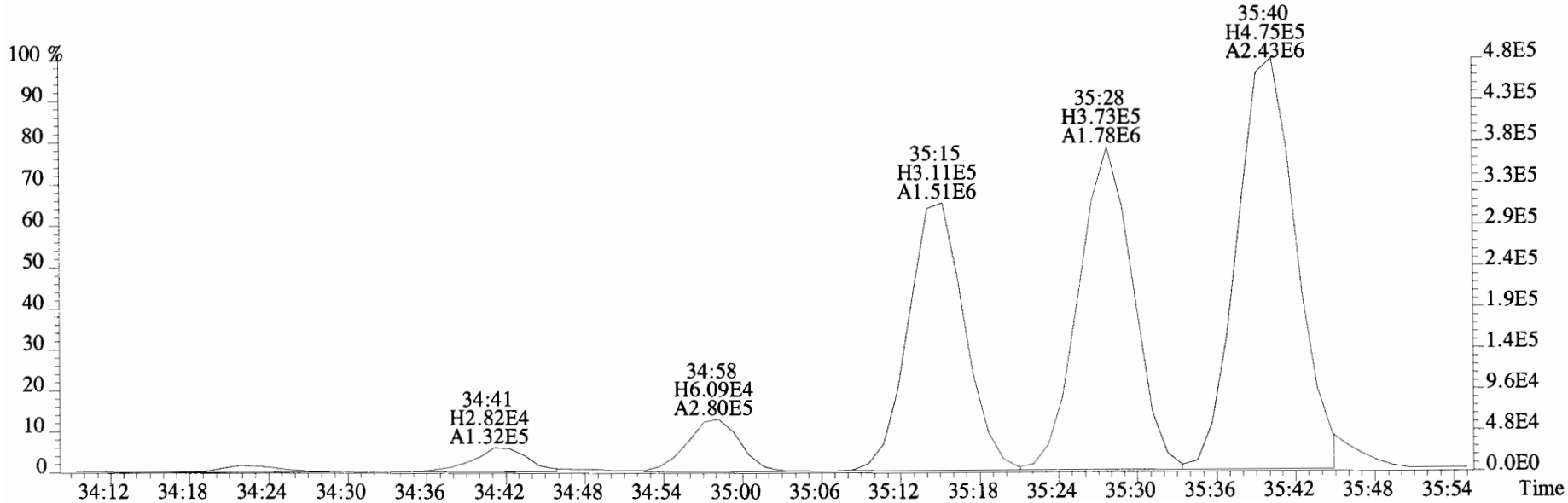

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



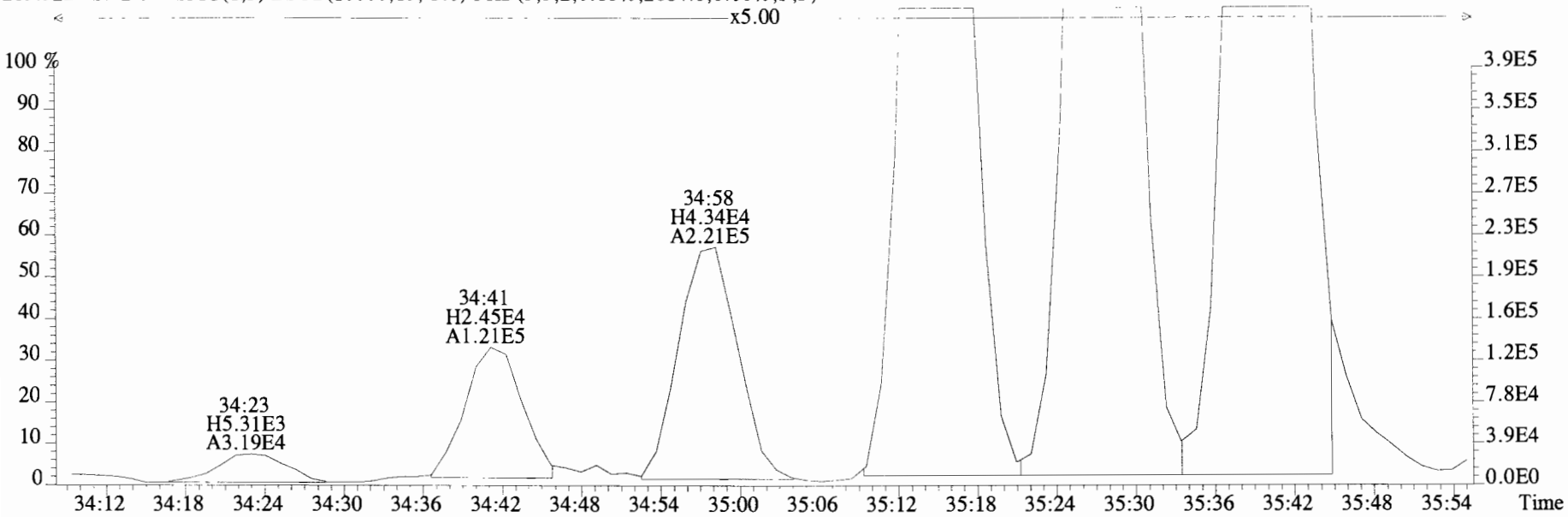
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



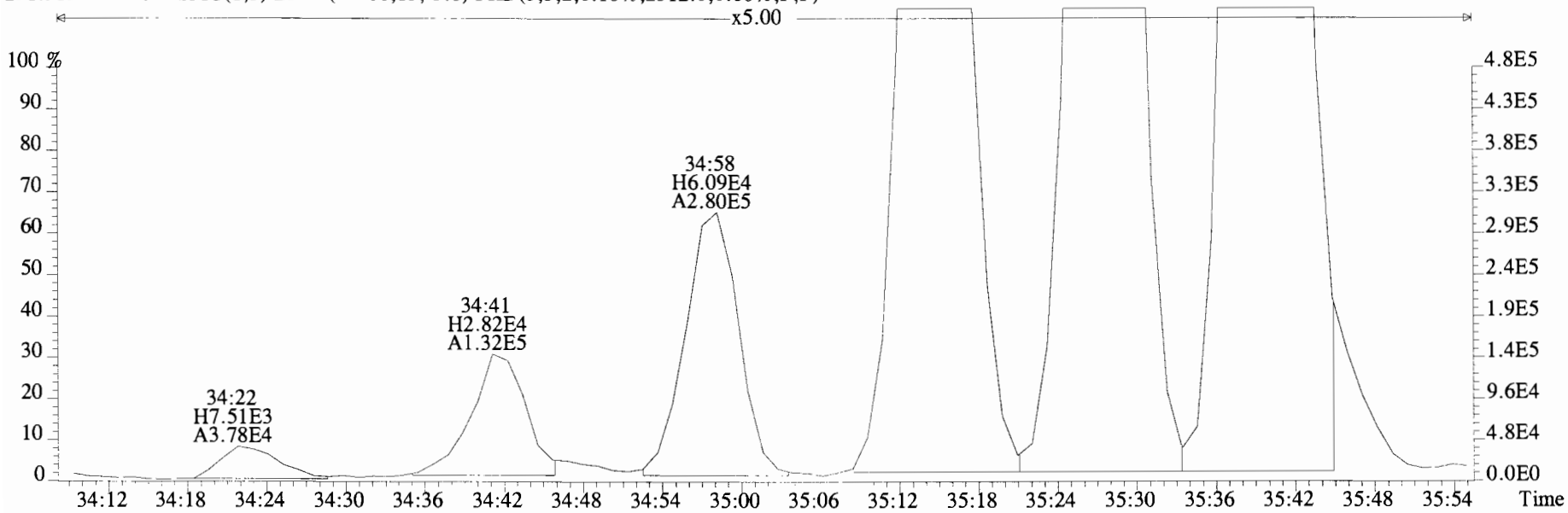

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



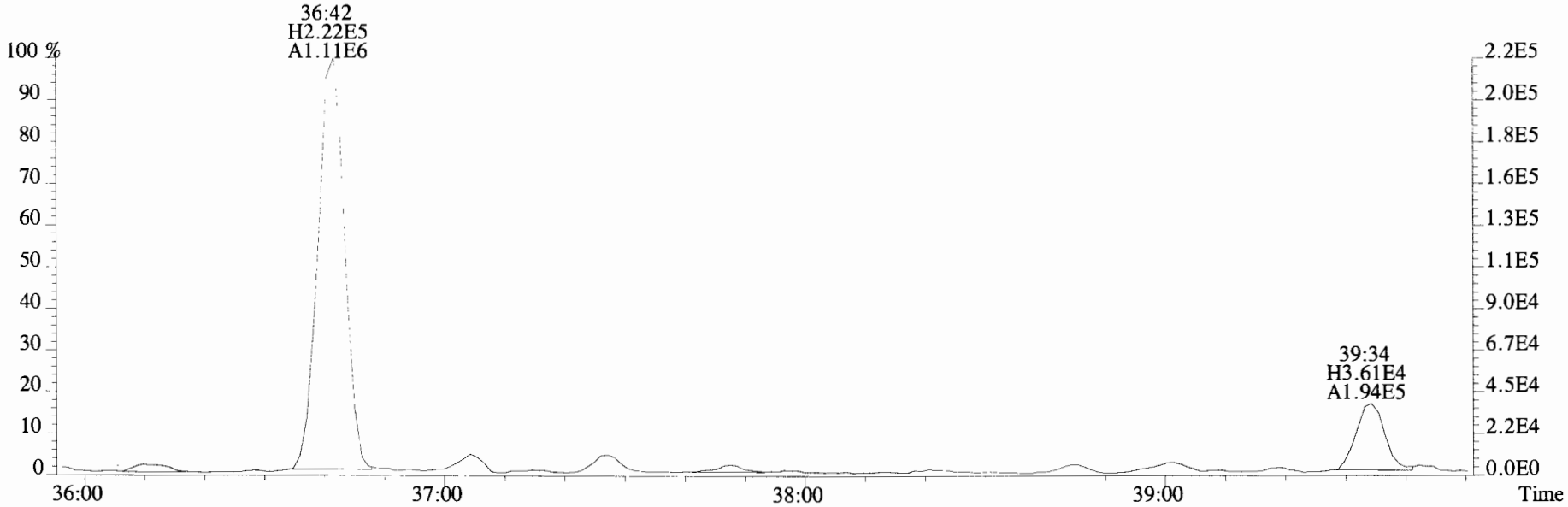
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



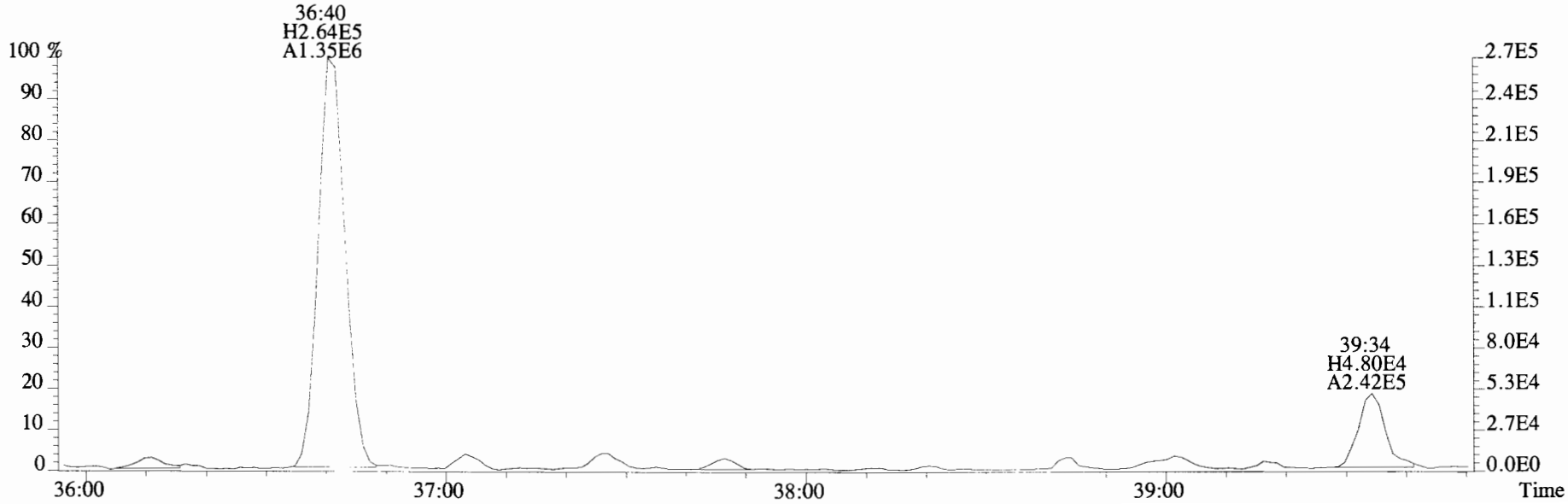

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



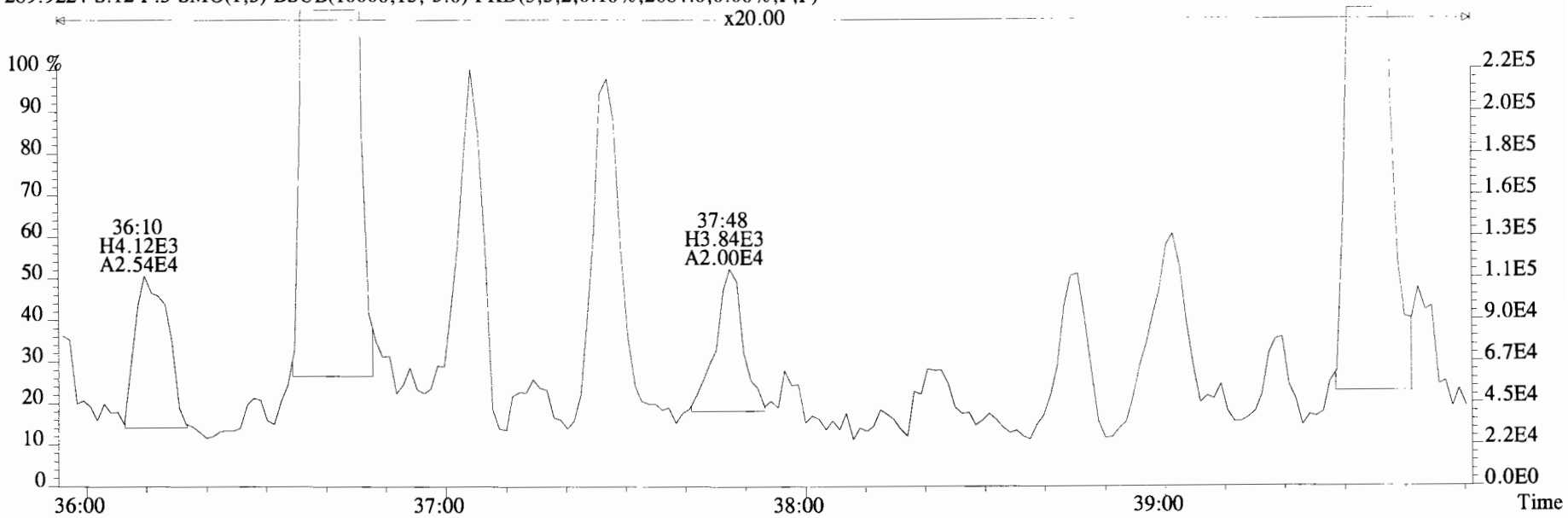
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)



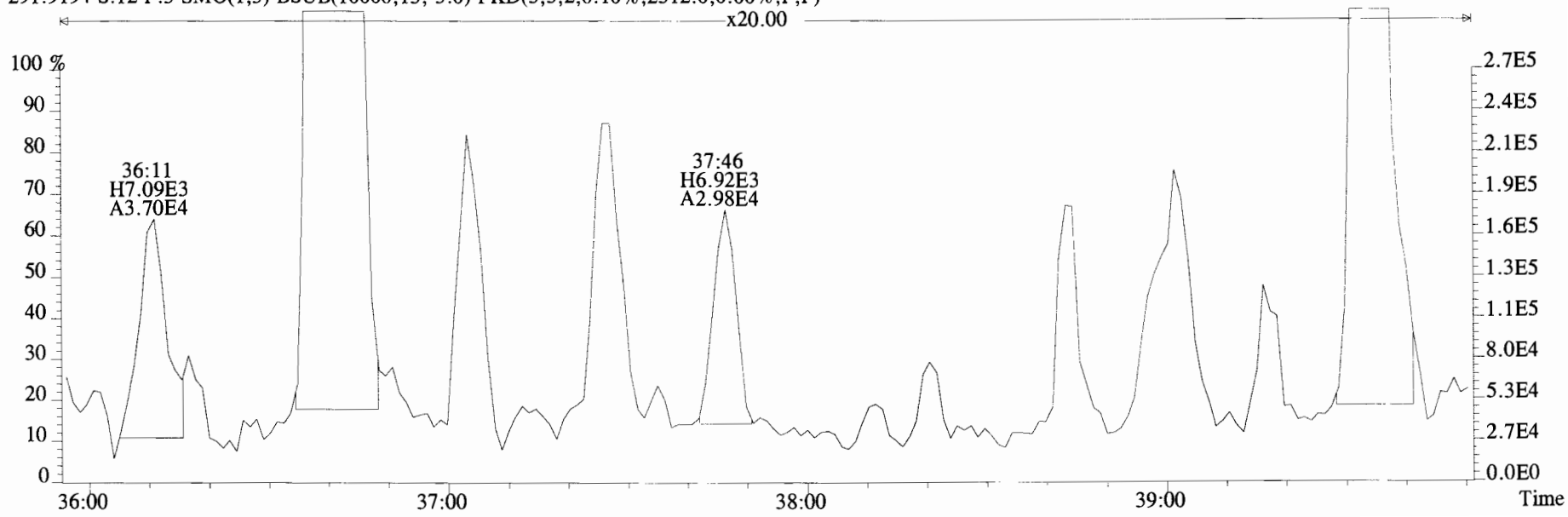

291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)



File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
289.9224 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2684.0,0.00%,F,F)

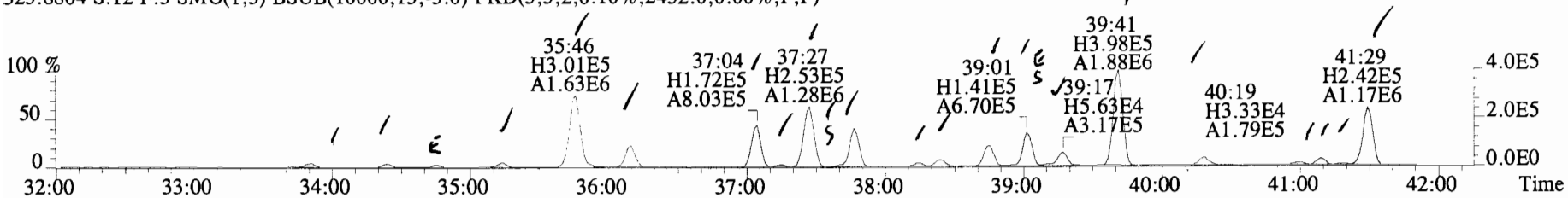



291.9194 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2512.0,0.00%,F,F)

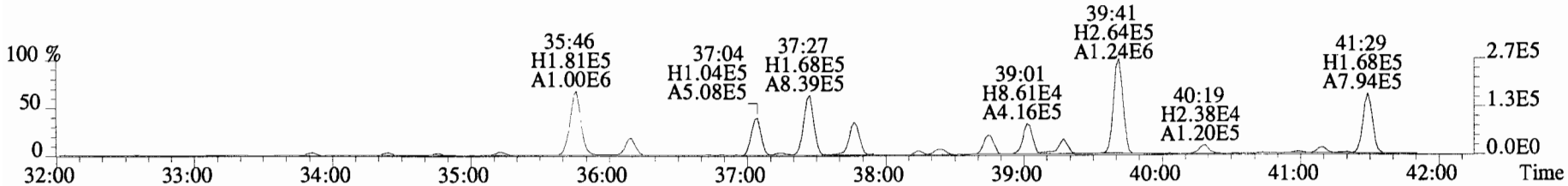


File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

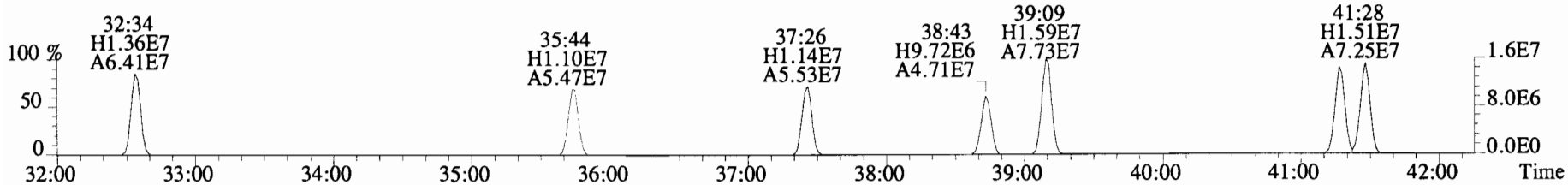
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



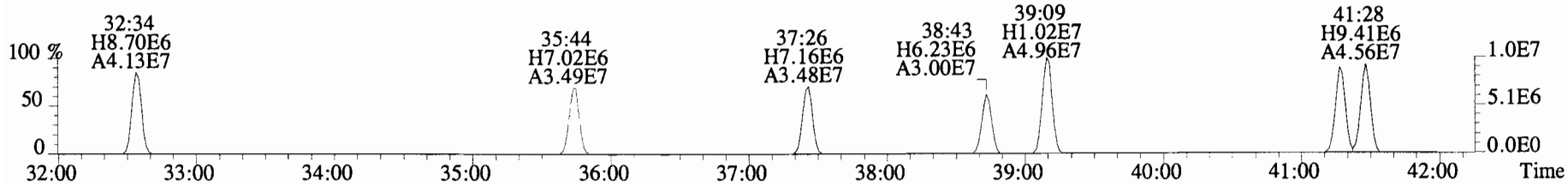

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



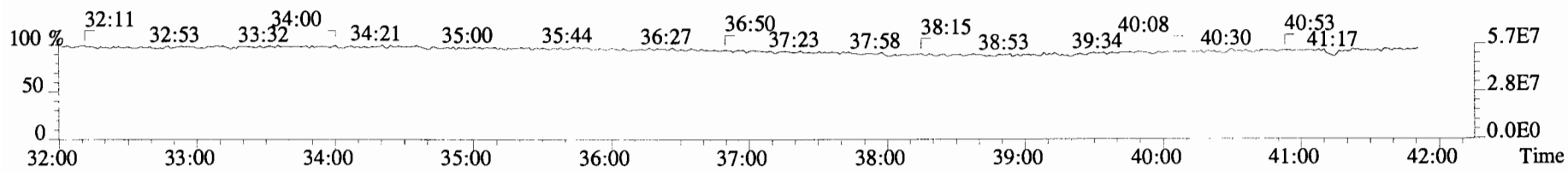

337.9207 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4056.0,0.00%,F,F)



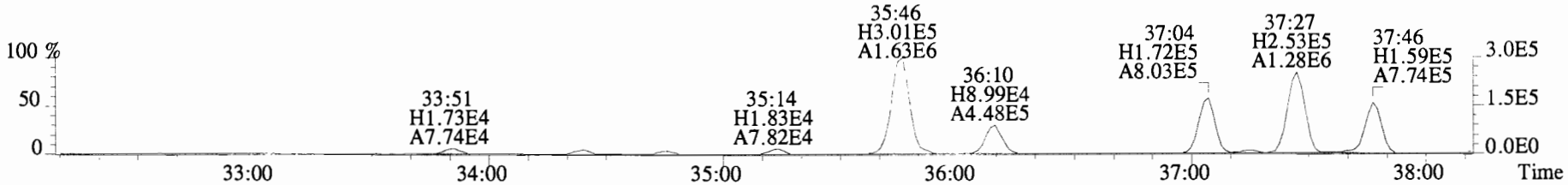

339.9177 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3556.0,0.00%,F,F)



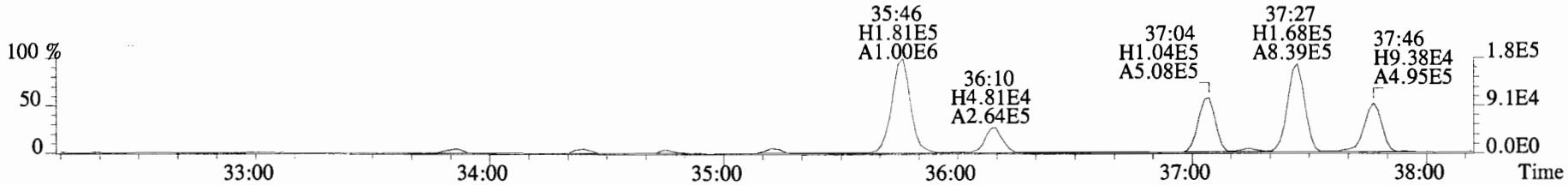

330.9792 S:12 F:3



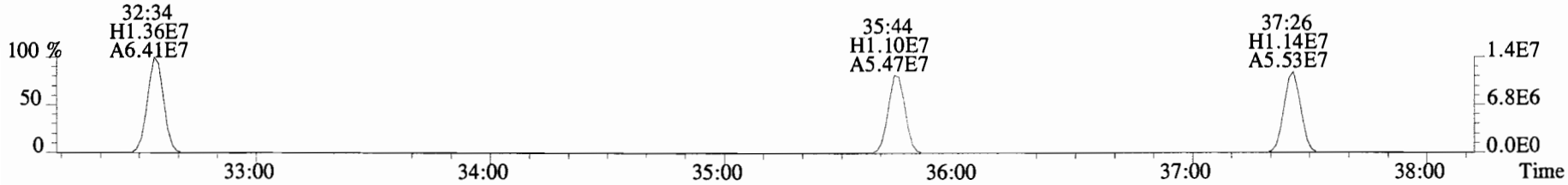
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



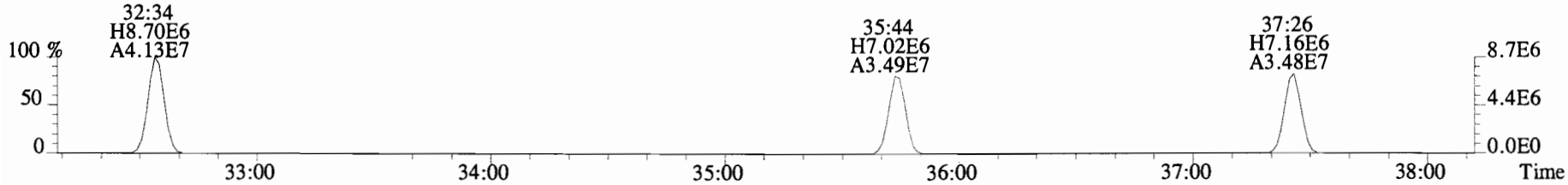

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



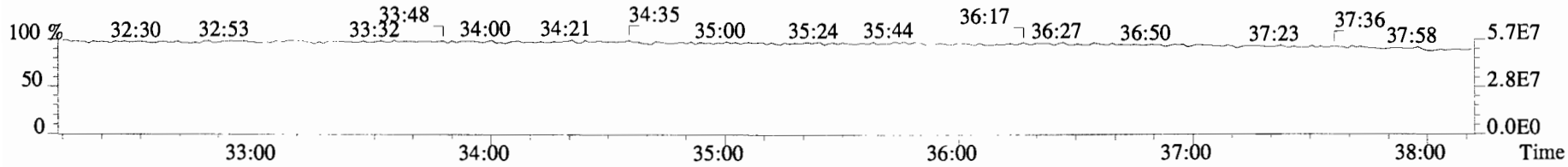

337.9207 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4056.0,0.00%,F,F)




339.9177 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3556.0,0.00%,F,F)

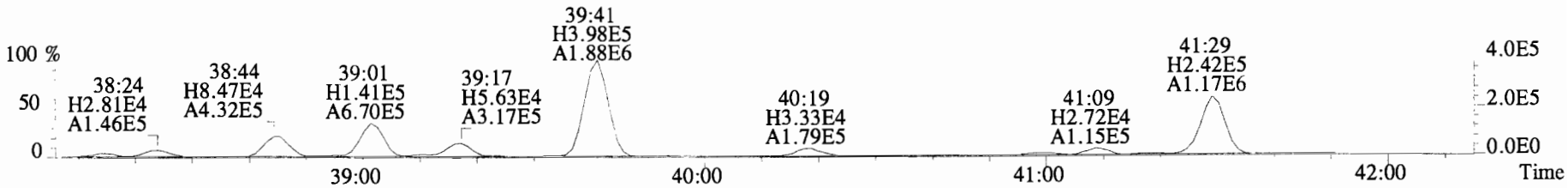



330.9792 S:12 F:3

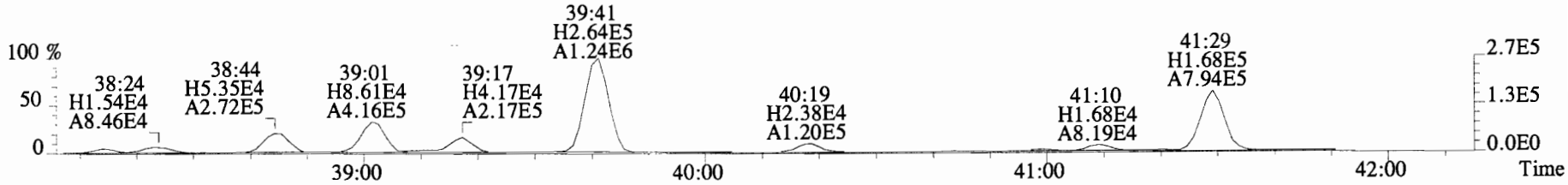


File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

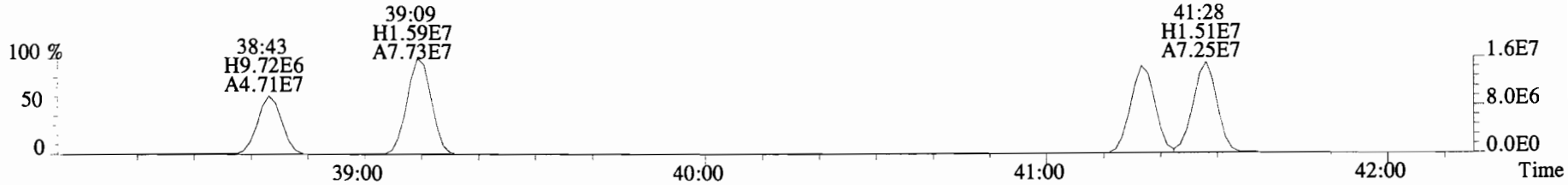
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



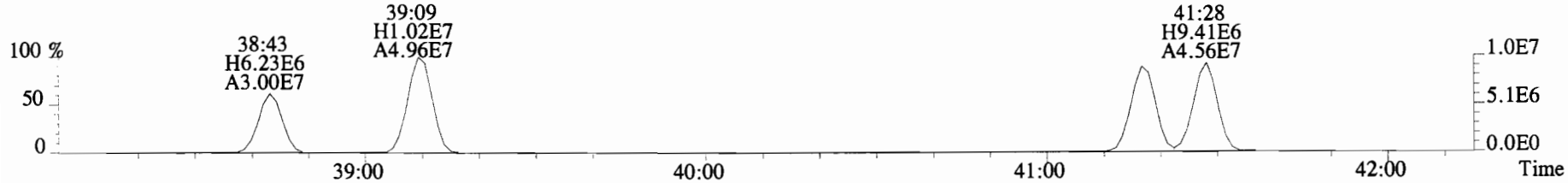

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



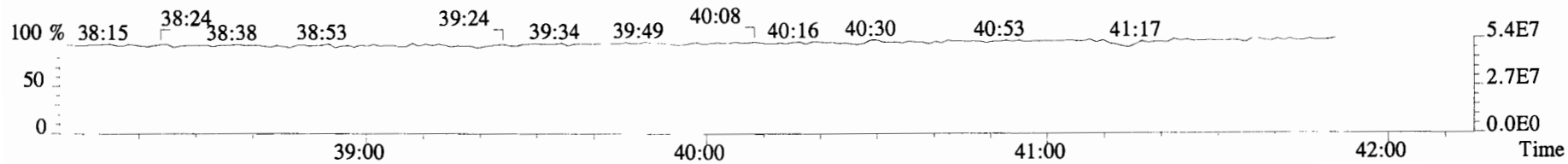

337.9207 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4056.0,0.00%,F,F)



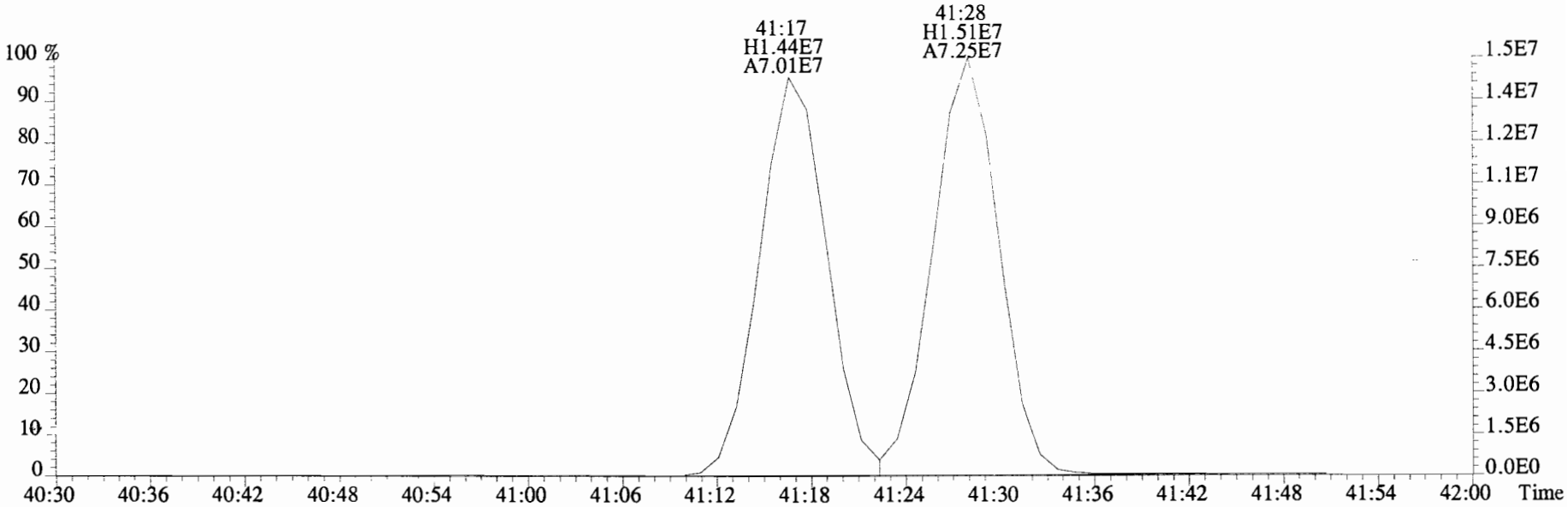

339.9177 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3556.0,0.00%,F,F)



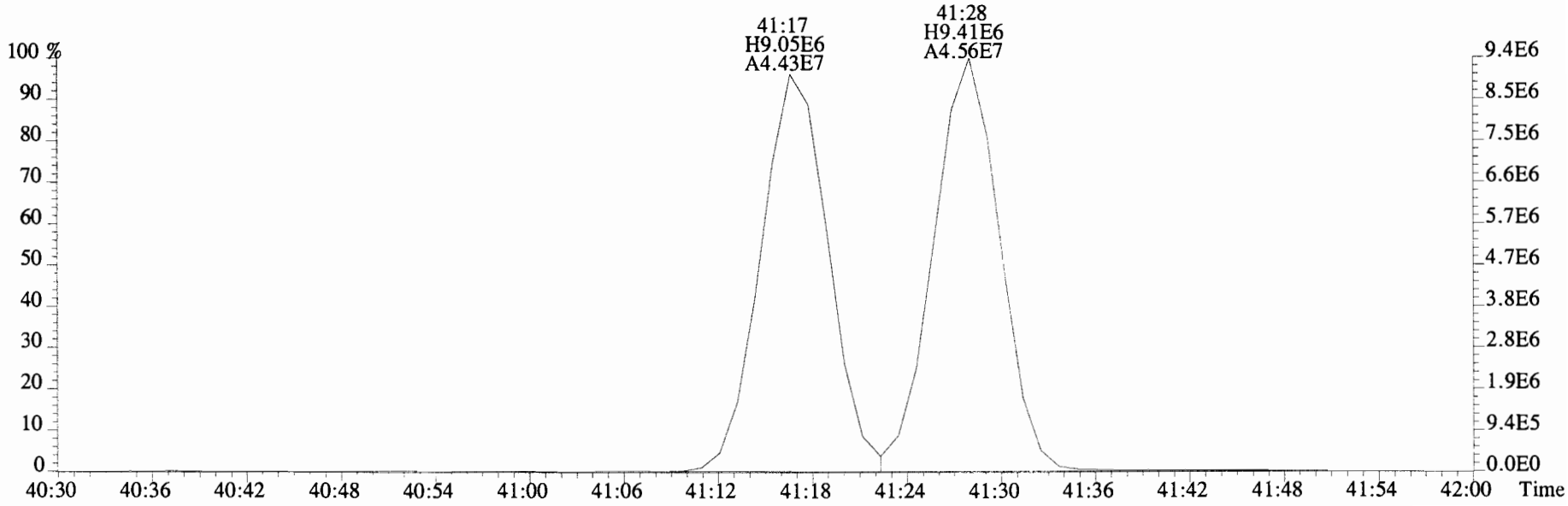

330.9792 S:12 F:3



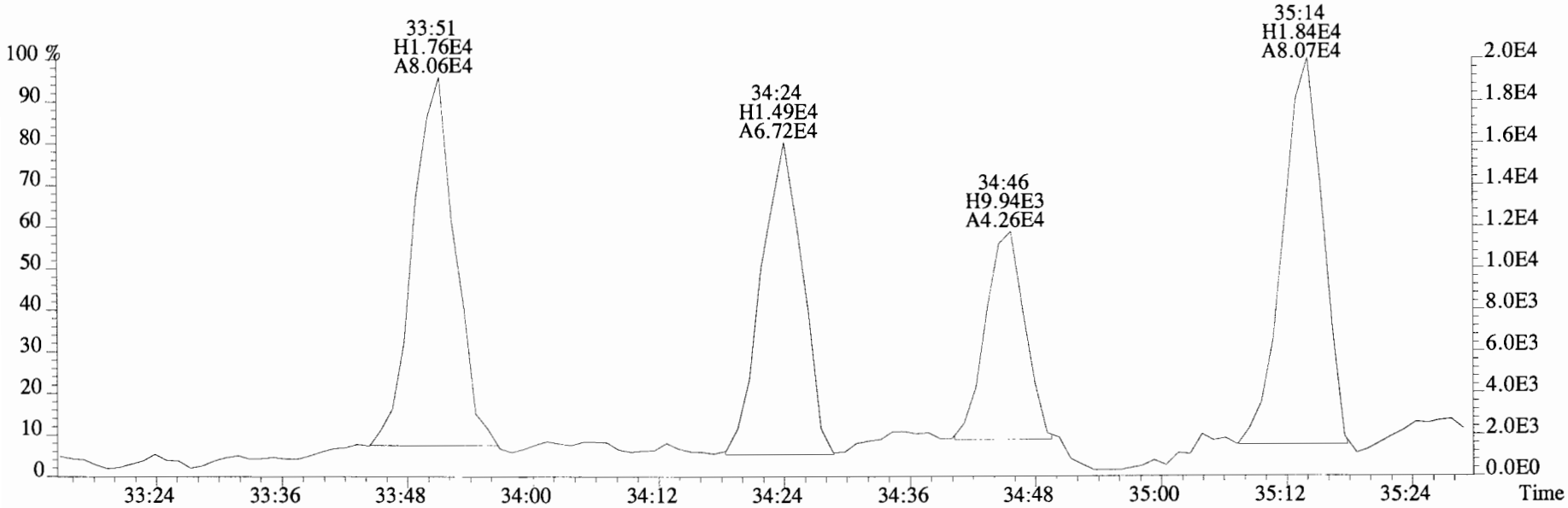
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
337.9207 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4056.0,0.00%,F,F)



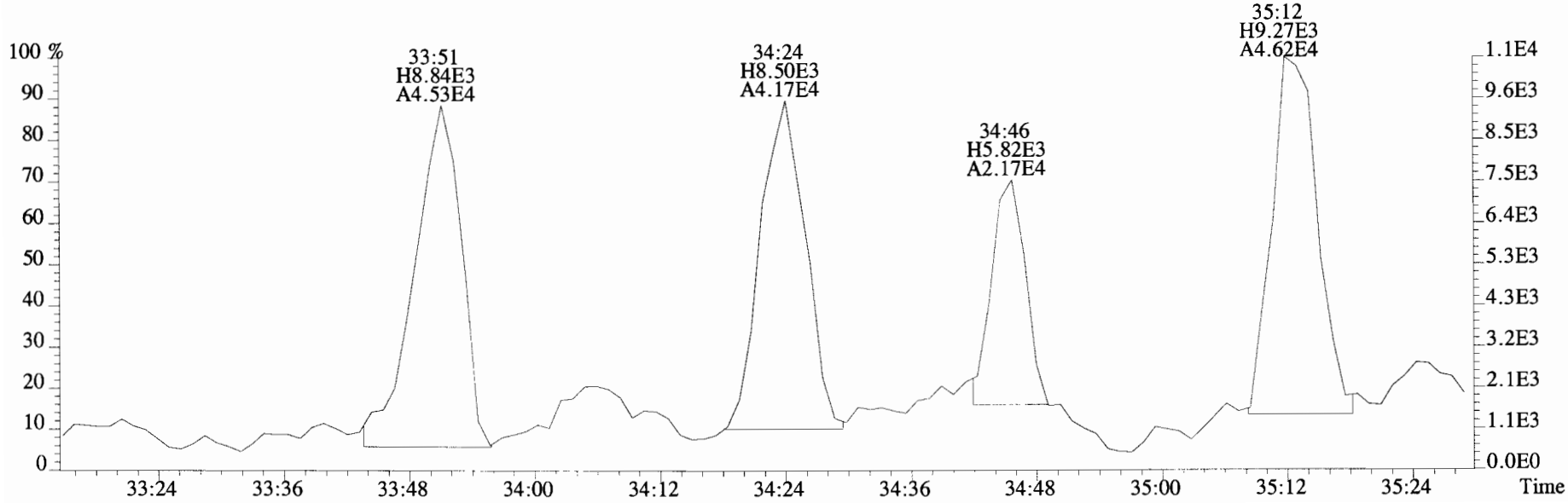

339.9177 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3556.0,0.00%,F,F)



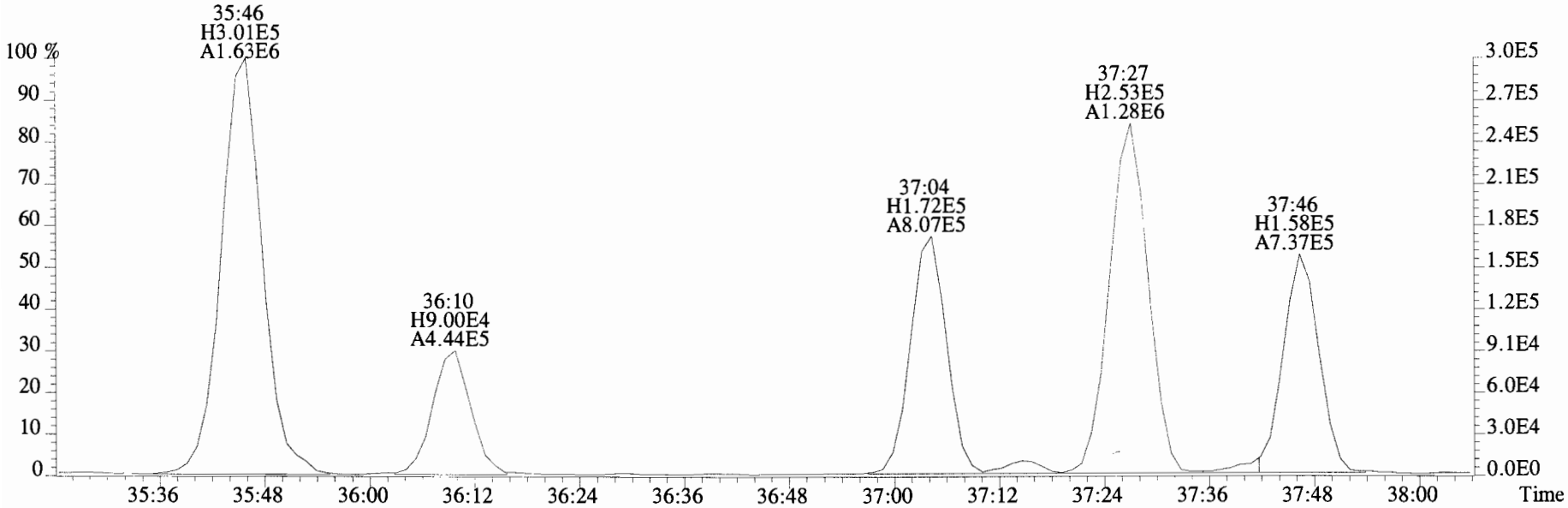
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



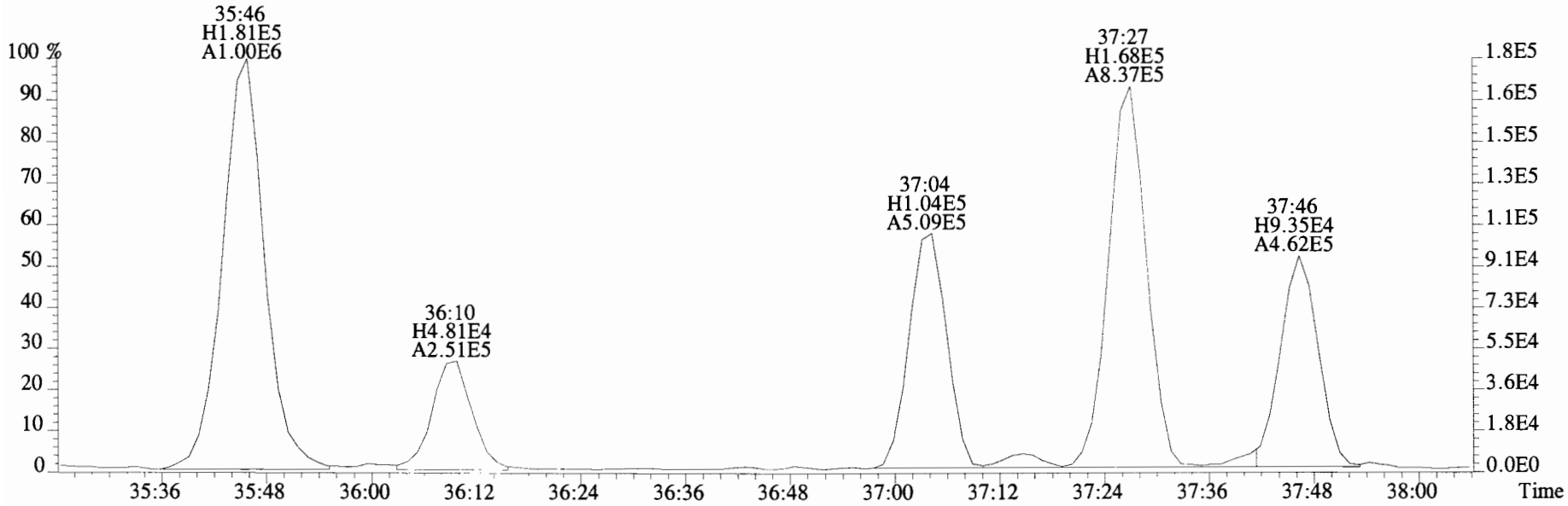

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



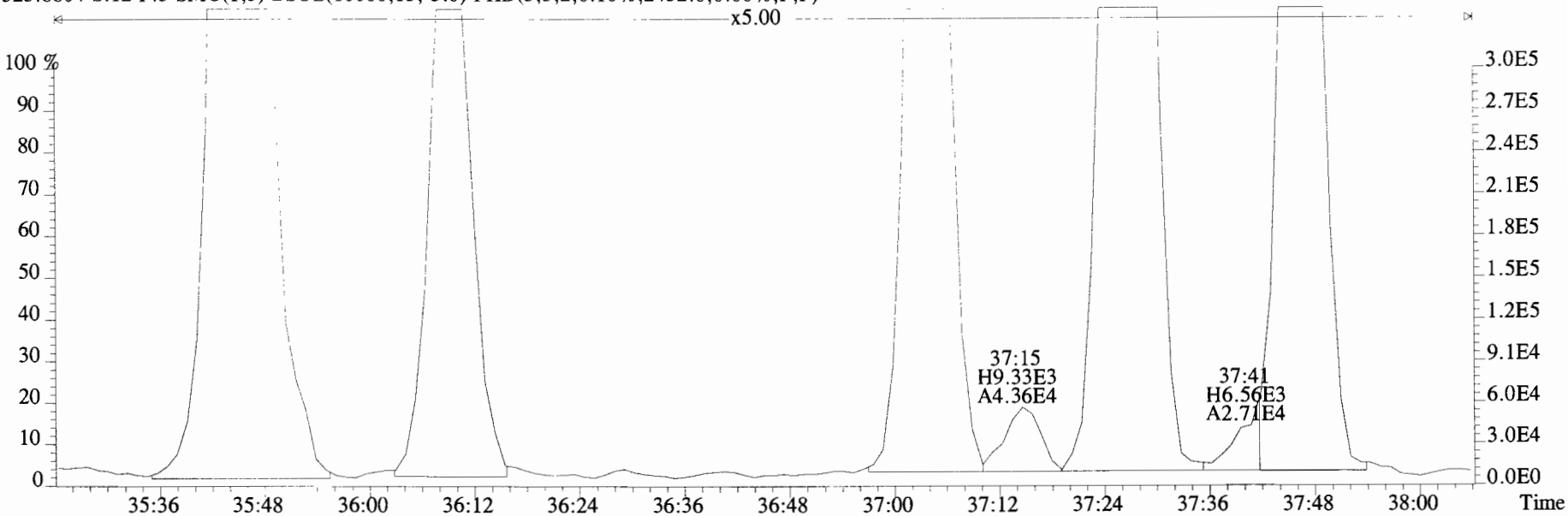
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



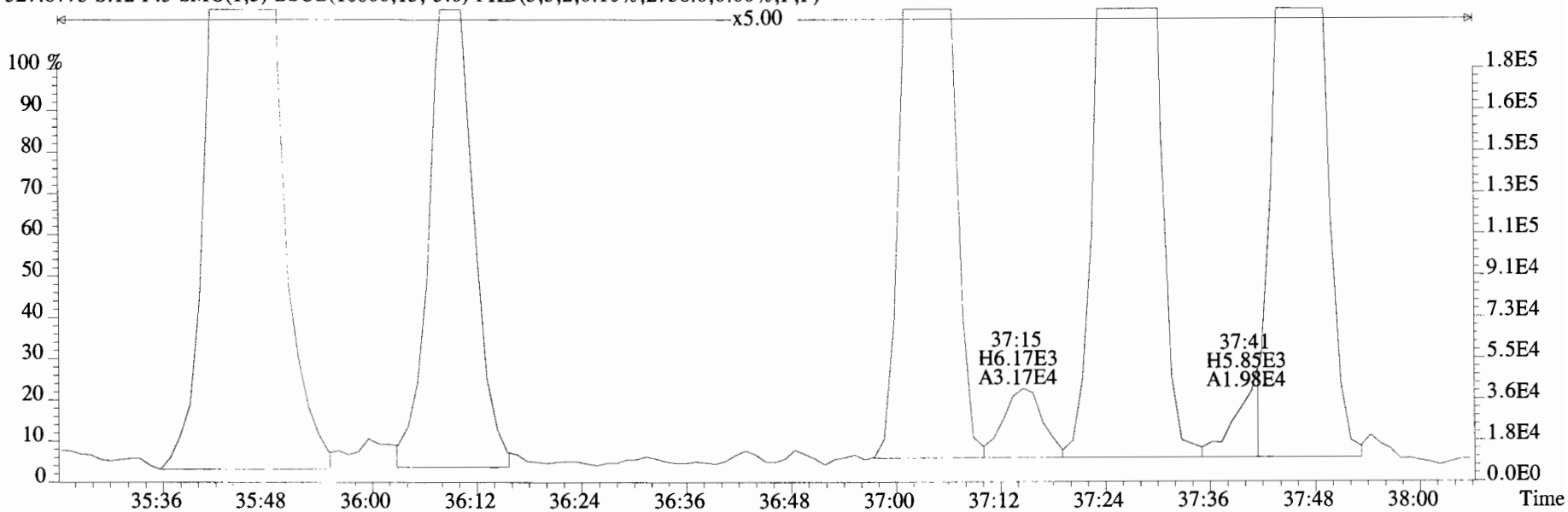

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



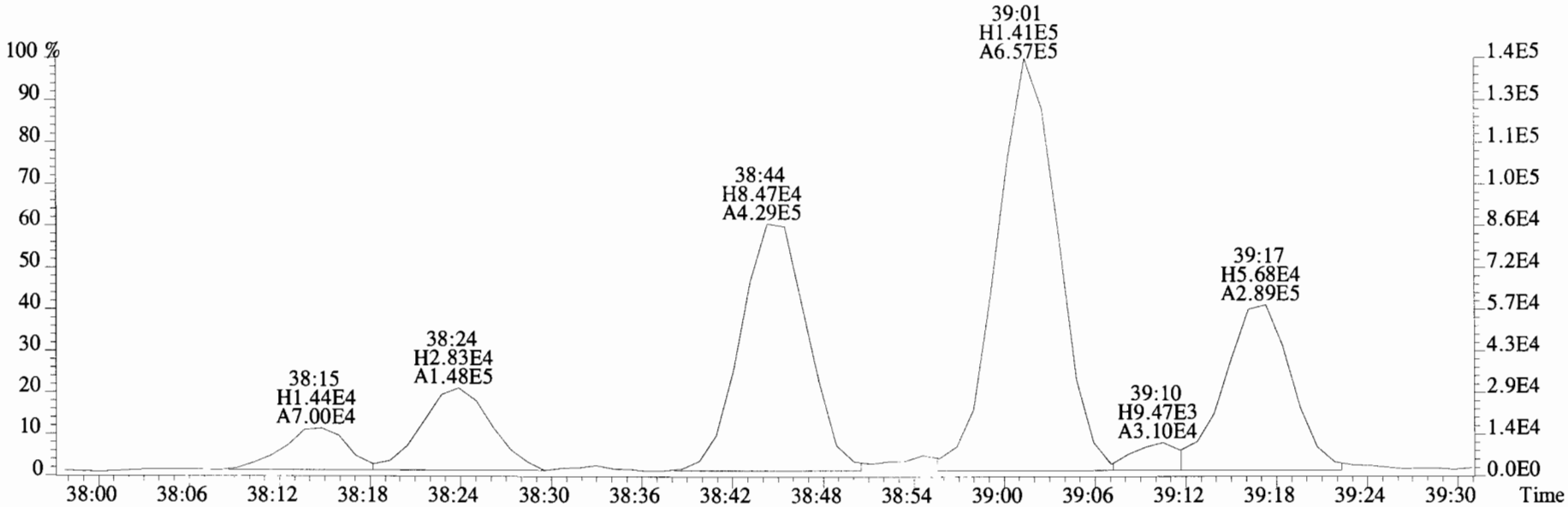
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



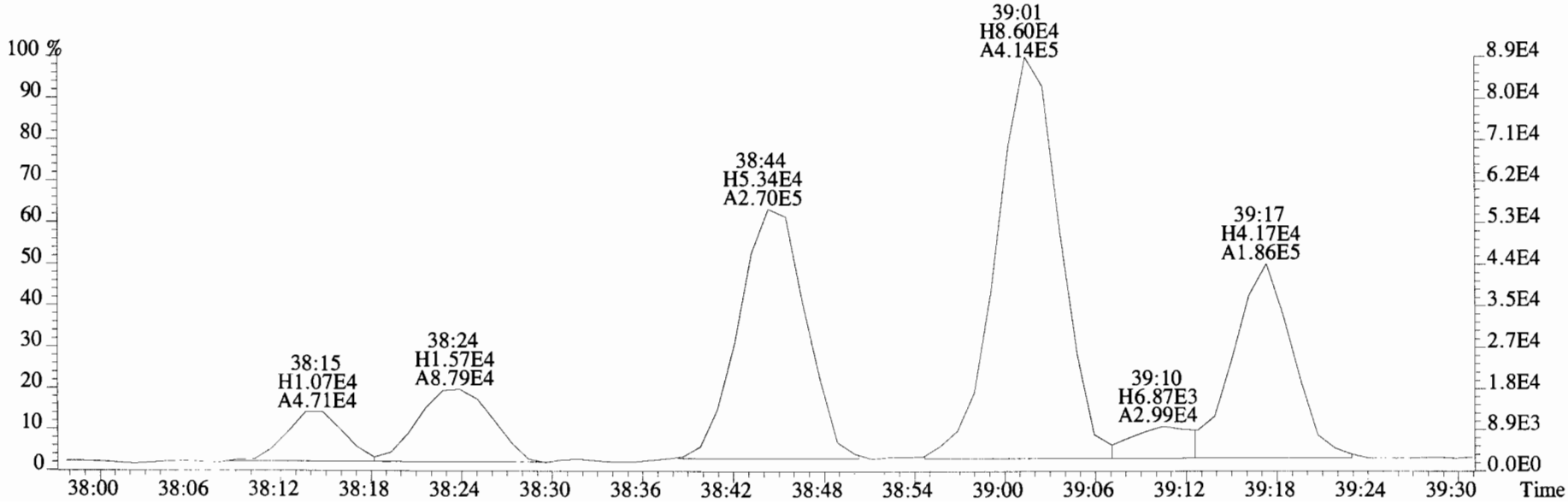

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



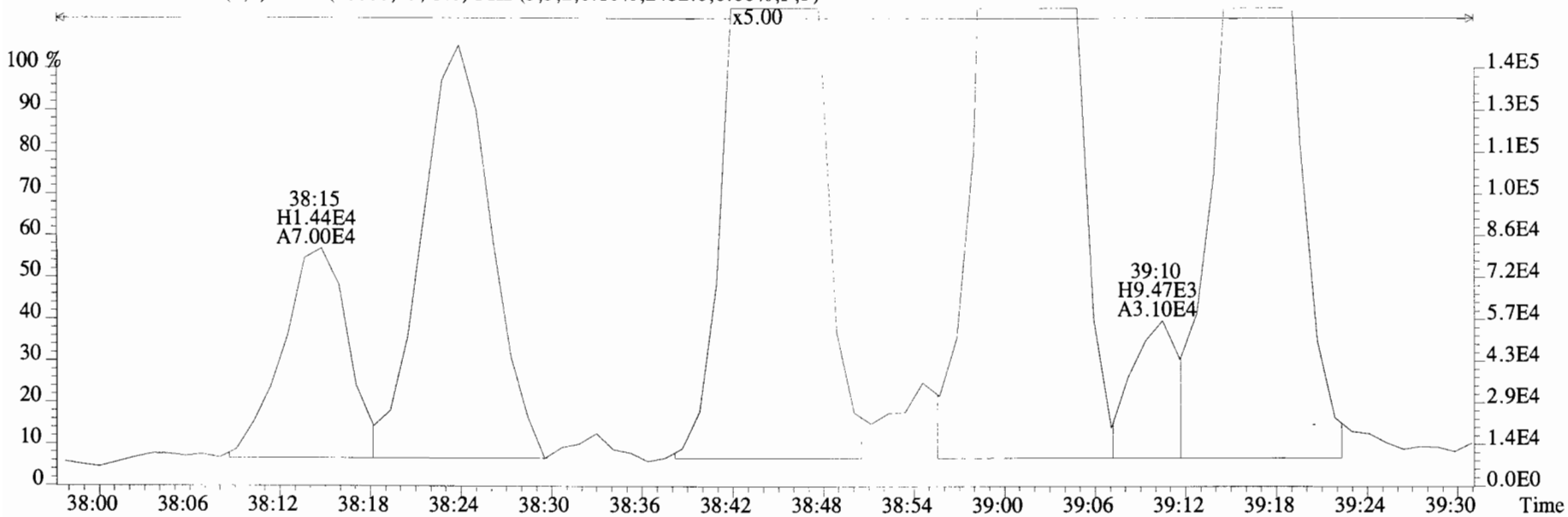
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



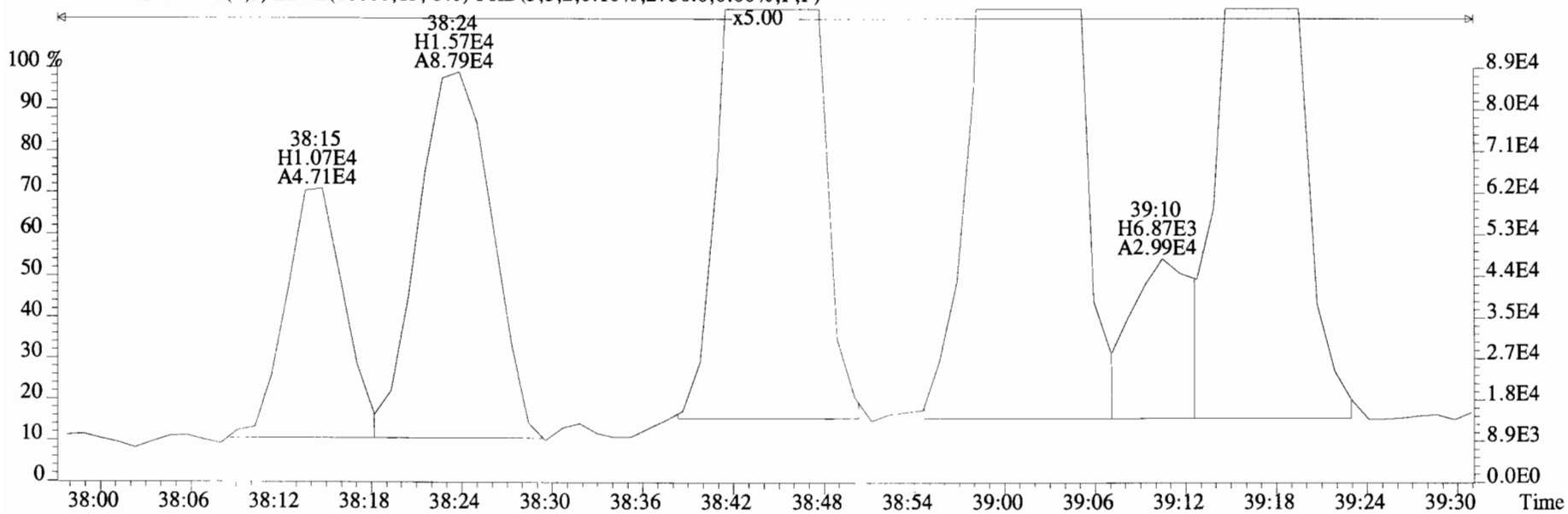

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



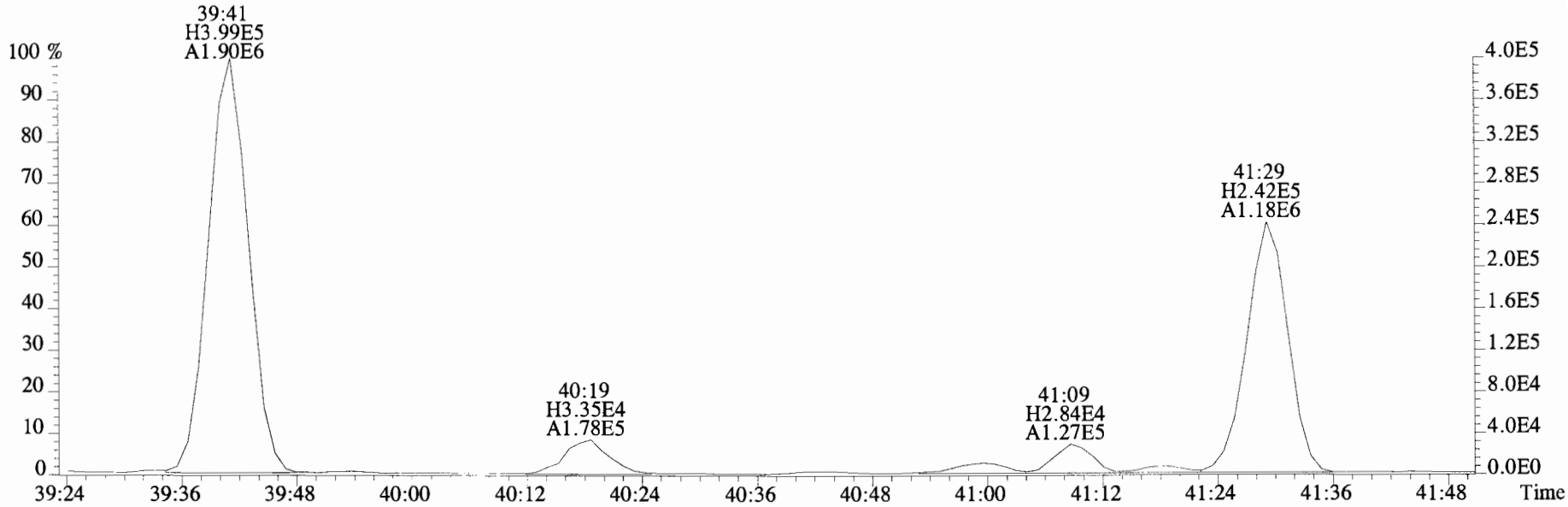
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



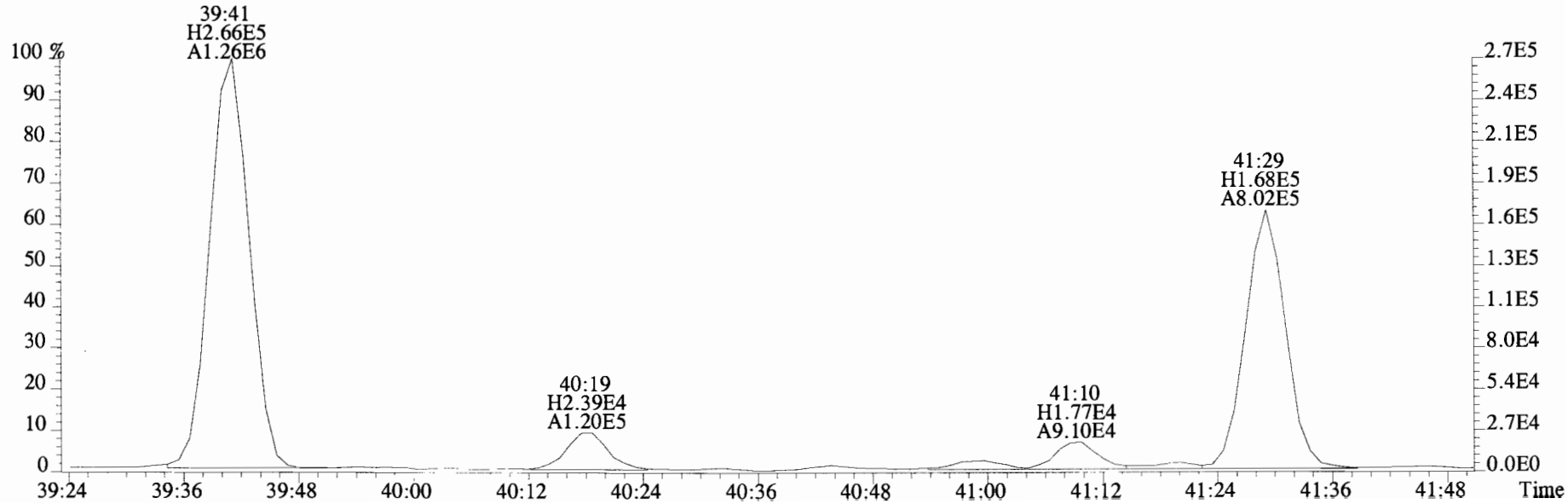

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



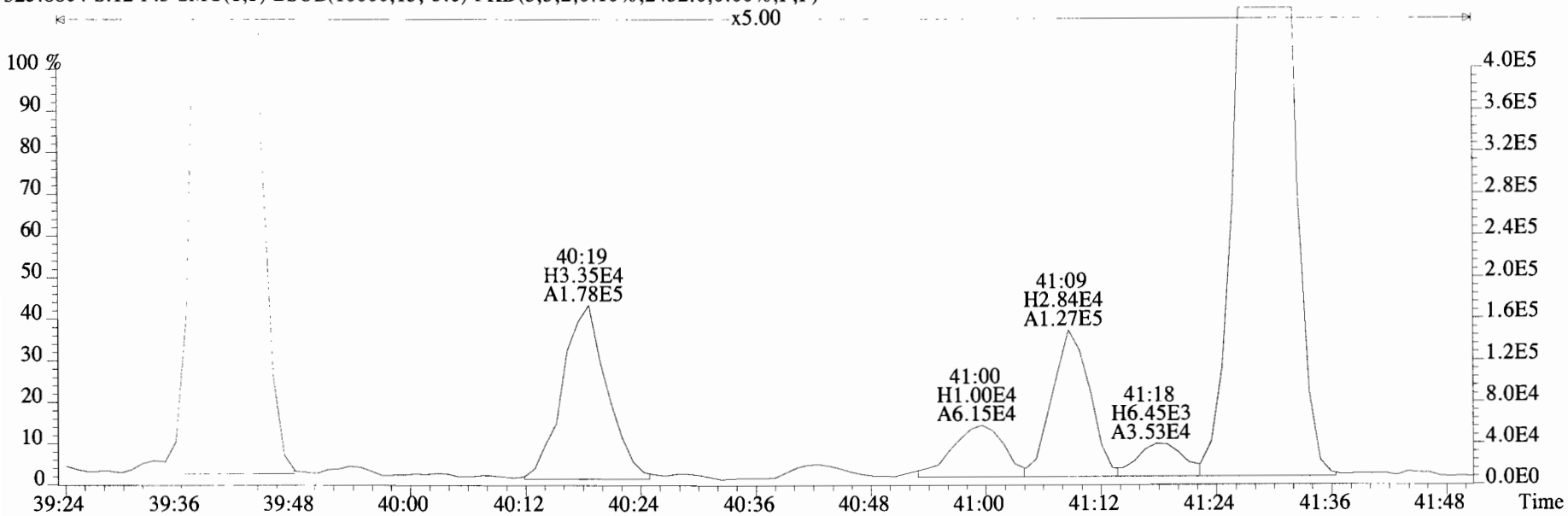
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



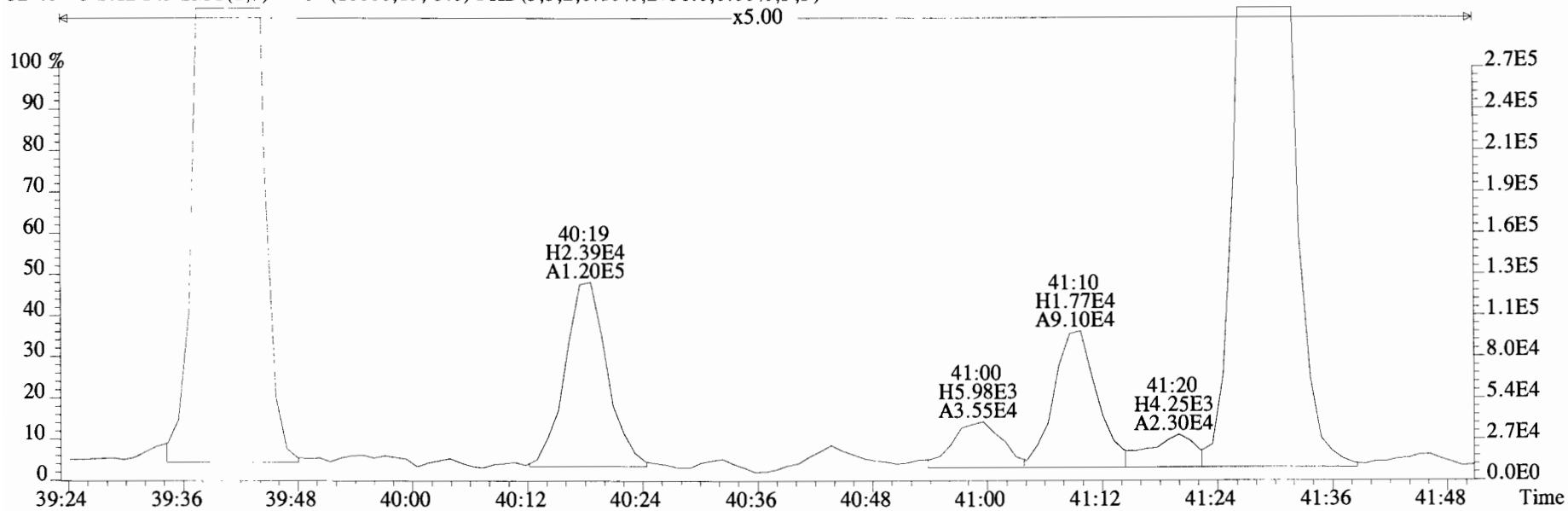

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



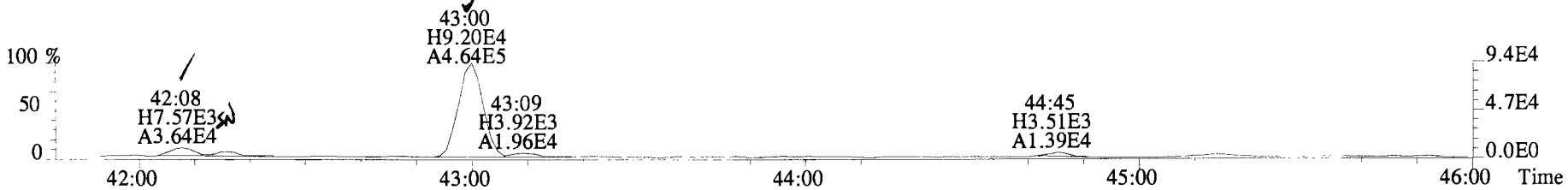
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2452.0,0.00%,F,F)



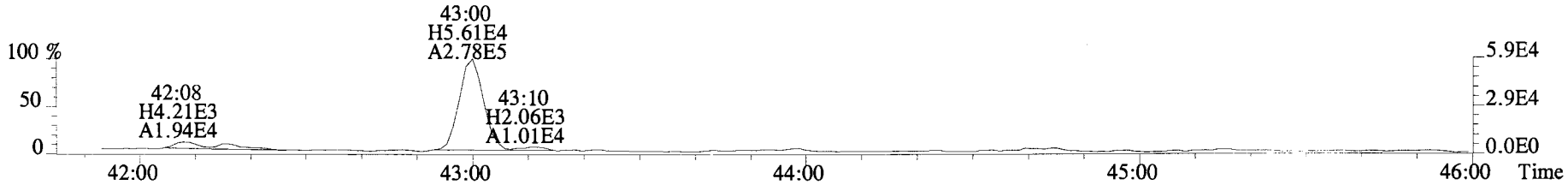

327.8775 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2756.0,0.00%,F,F)



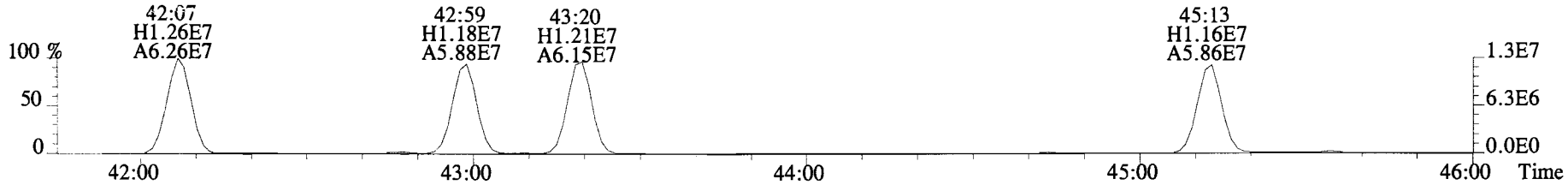
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2372.0,0.00%,F,F)



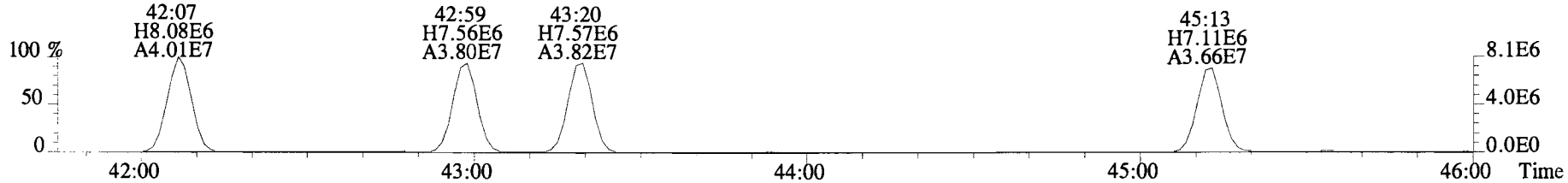

327.8775 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2244.0,0.00%,F,F)



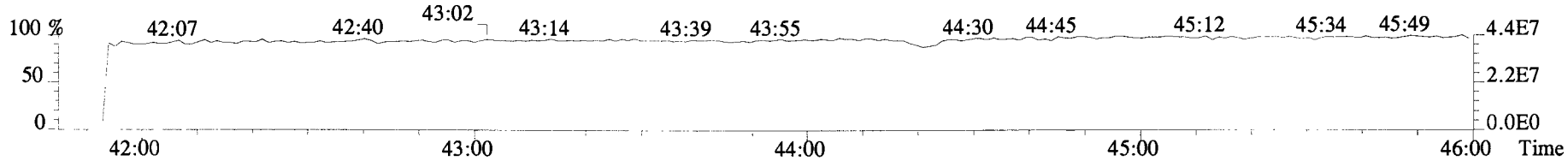

337.9207 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7636.0,0.00%,F,F)



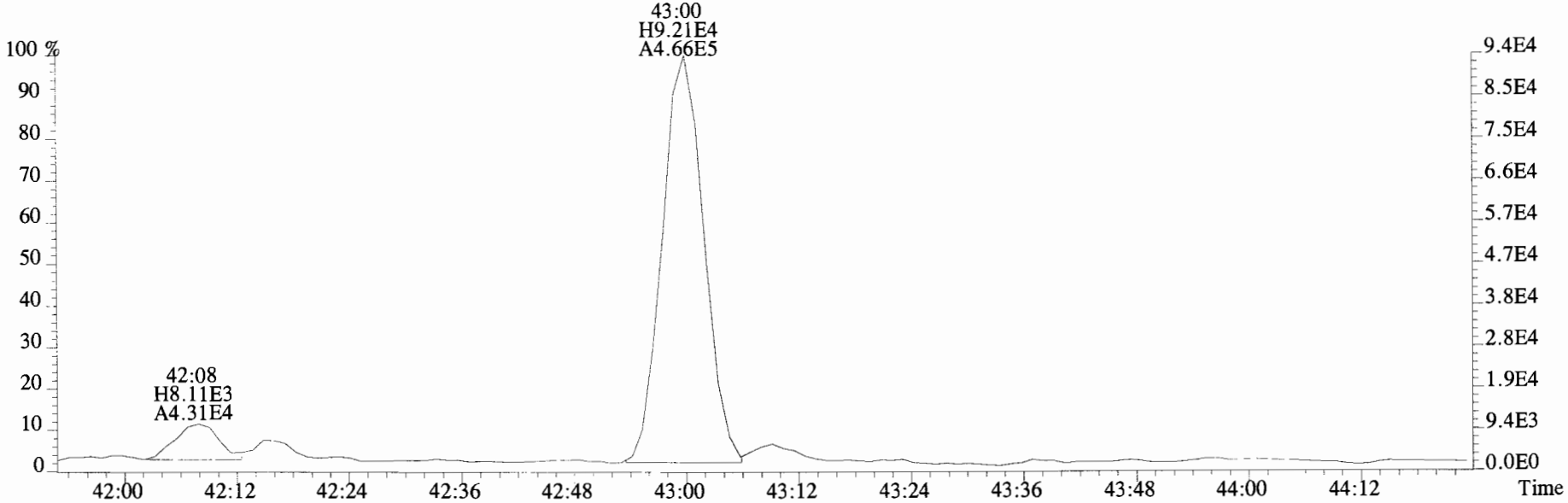

339.9177 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6468.0,0.00%,F,F)



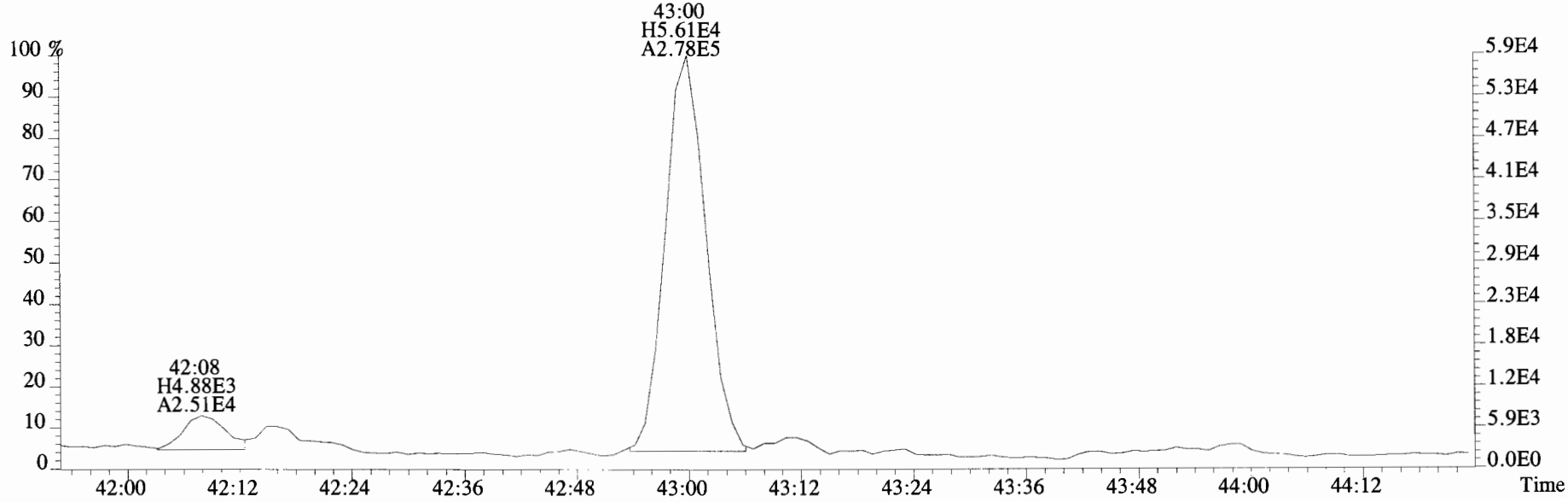

380.9760 S:12 F:4



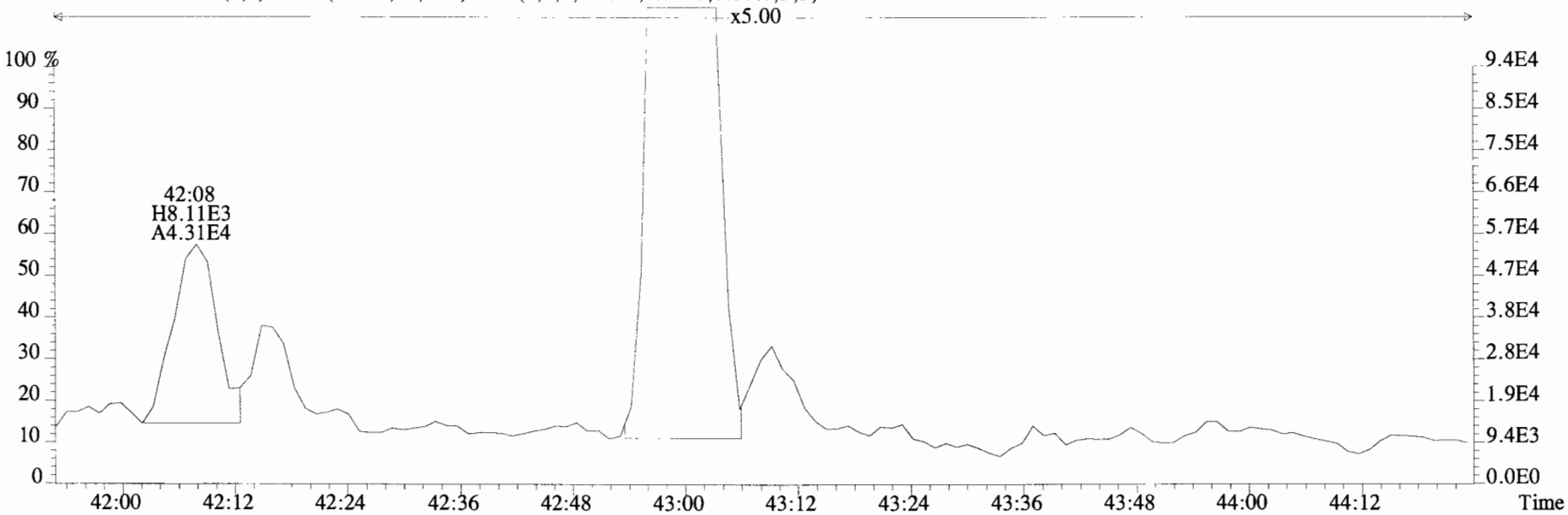
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2372.0,0.00%,F,F)



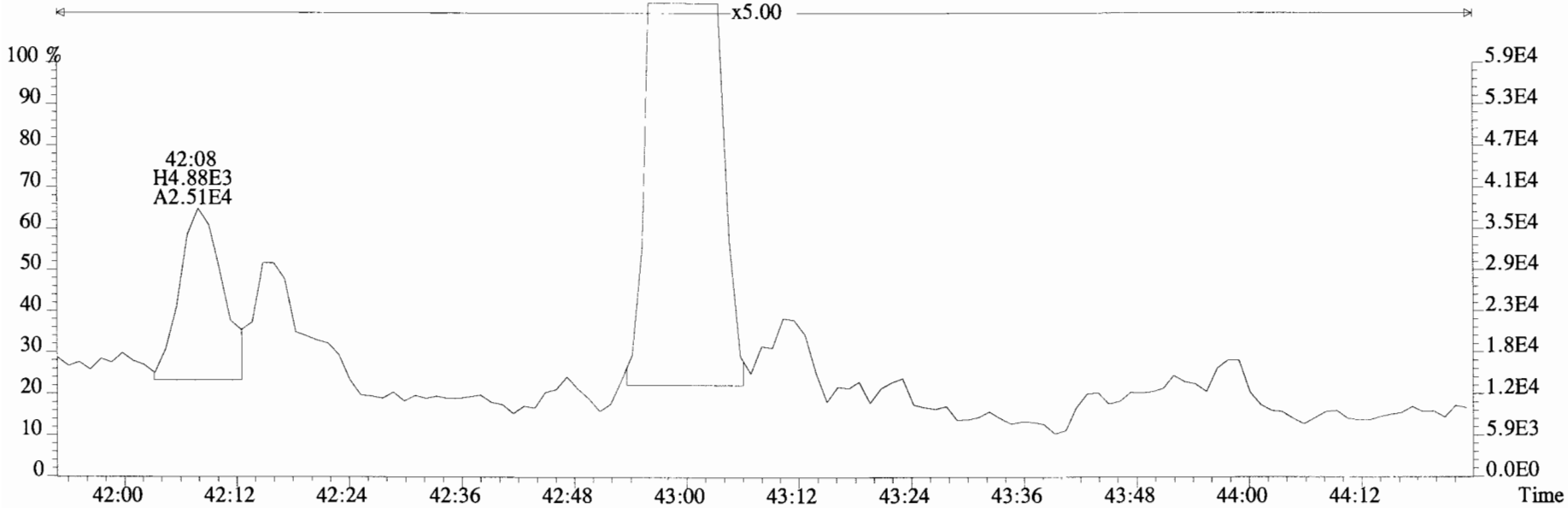

327.8775 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2244.0,0.00%,F,F)



File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
325.8804 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2372.0,0.00%,F,F)

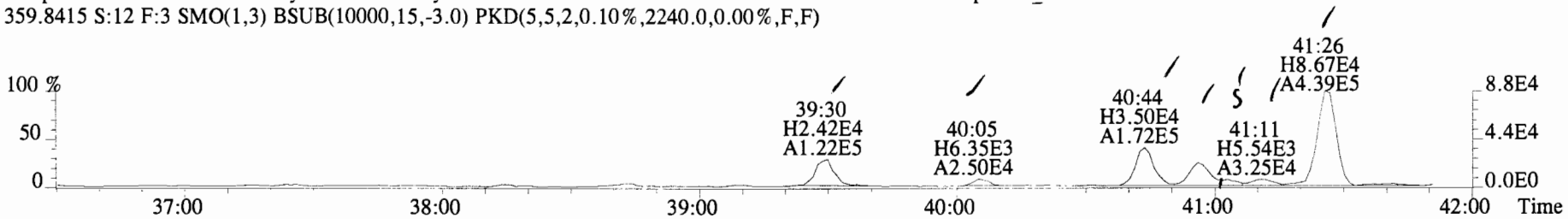



327.8775 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2244.0,0.00%,F,F)

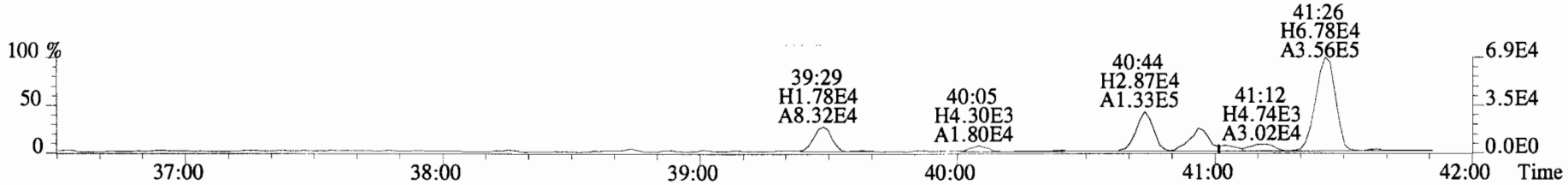


File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

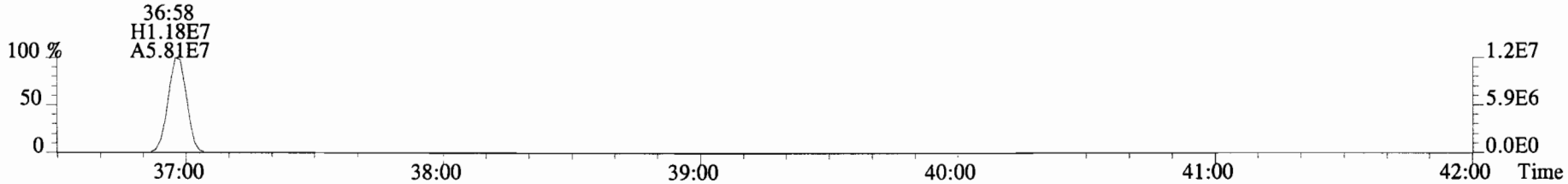
359.8415 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2240.0,0.00%,F,F)



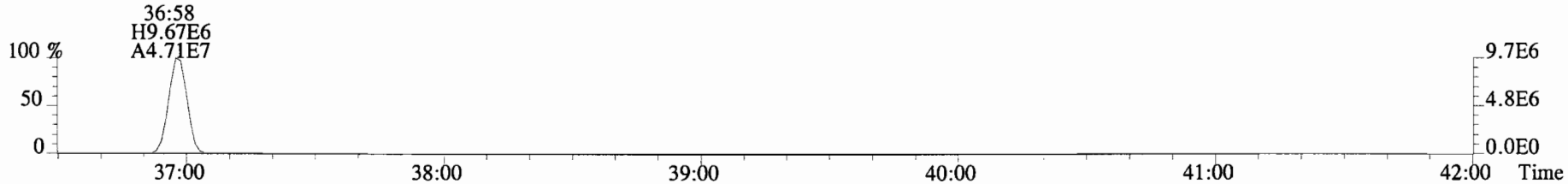

361.8385 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1960.0,0.00%,F,F)



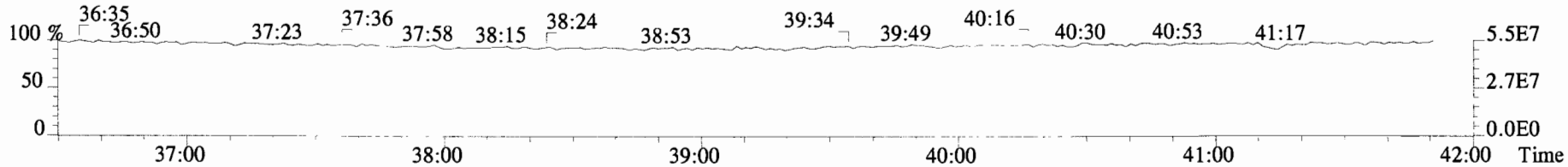

371.8817 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2352.0,0.00%,F,F)



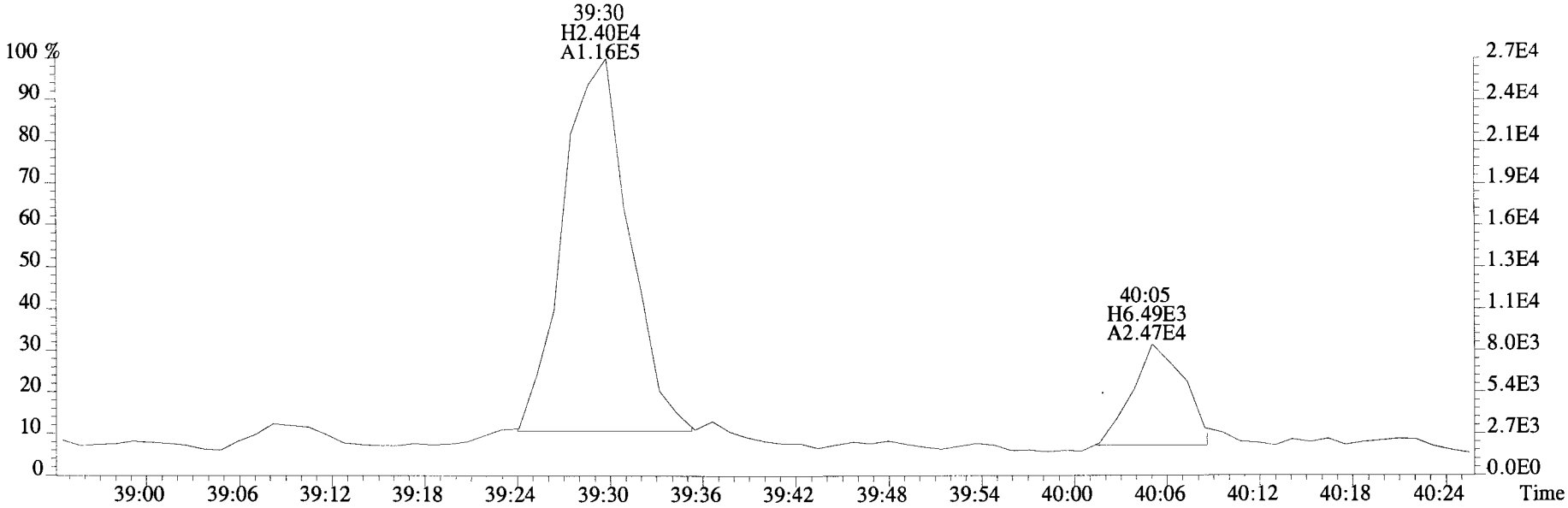

373.8788 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



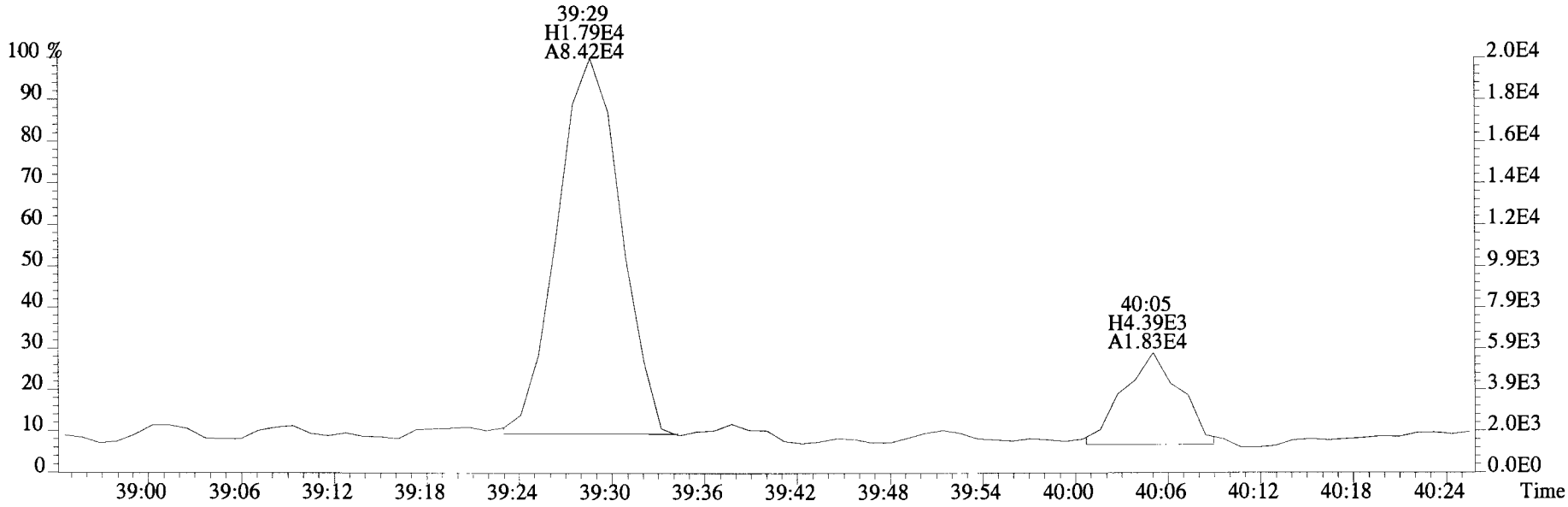

330.9792 S:12 F:3



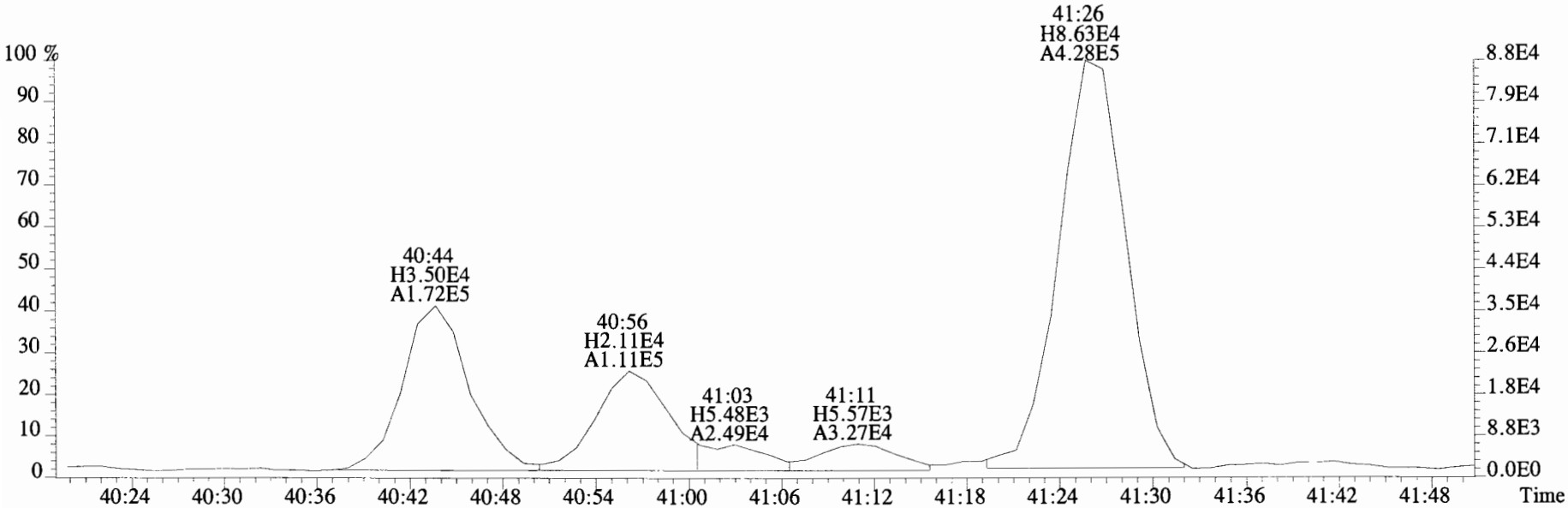
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
359.8415 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



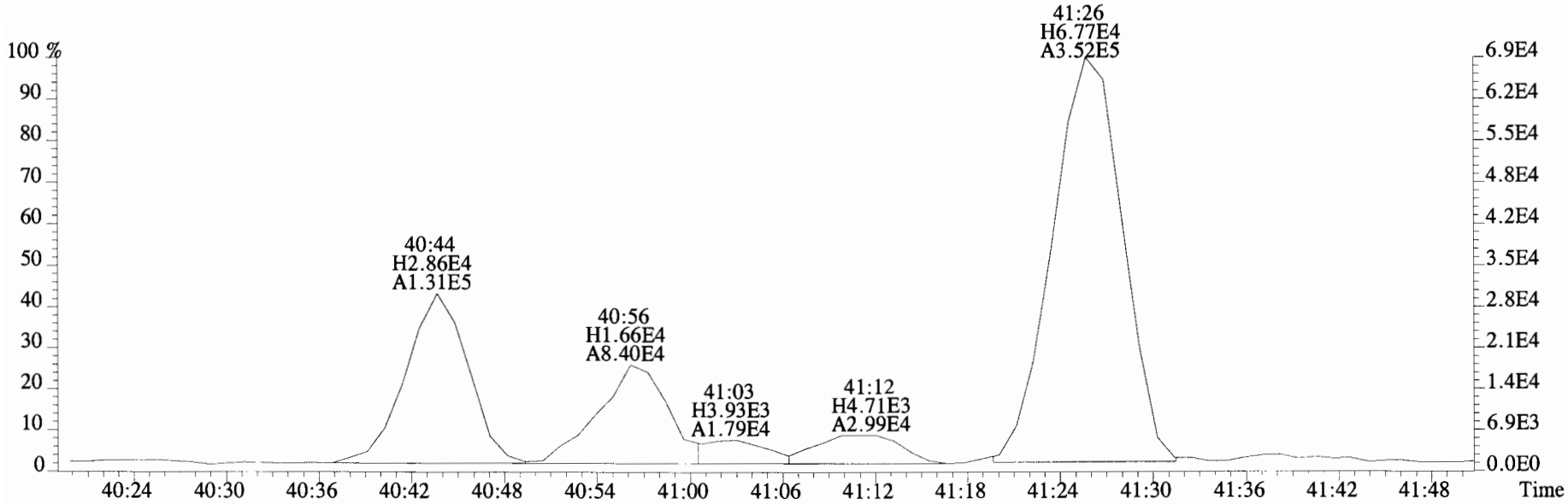

361.8385 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



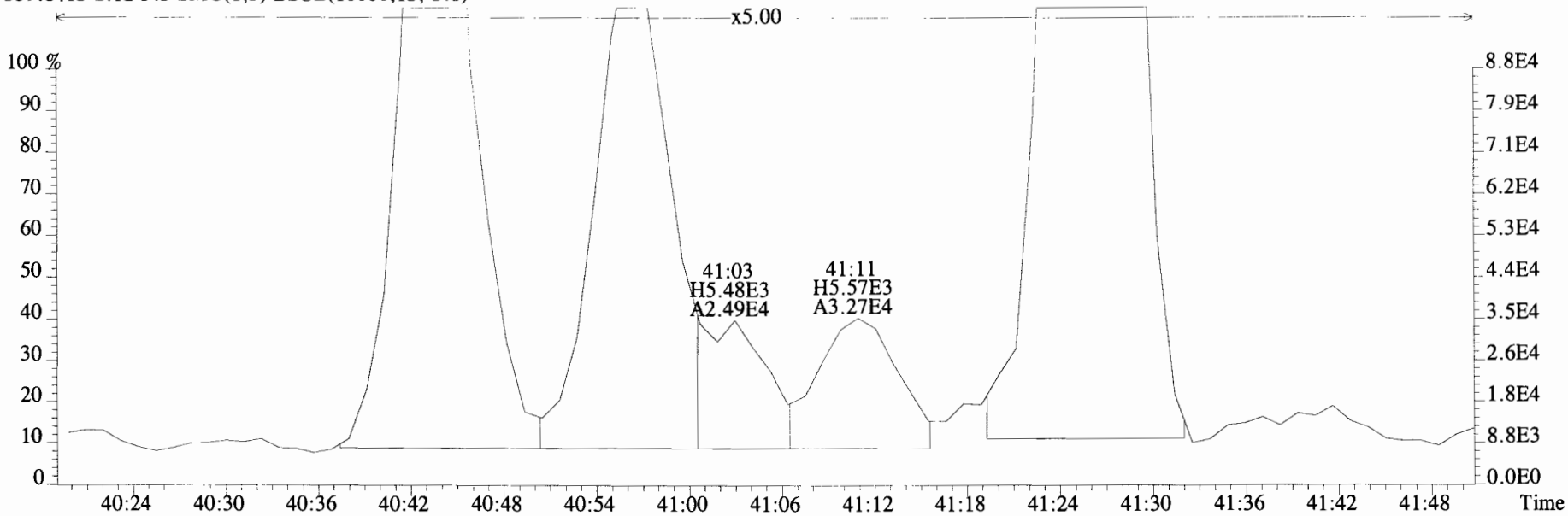
File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
359.8415 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



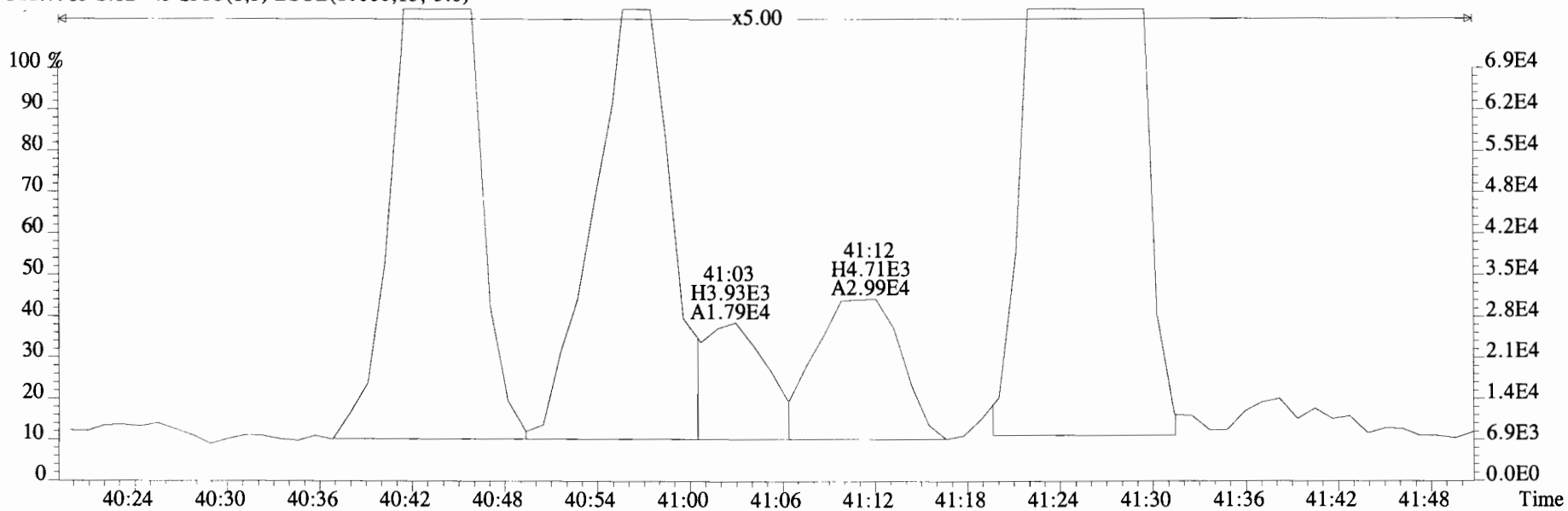

361.8385 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)



File:180409E1 #1-756 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
359.8415 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)

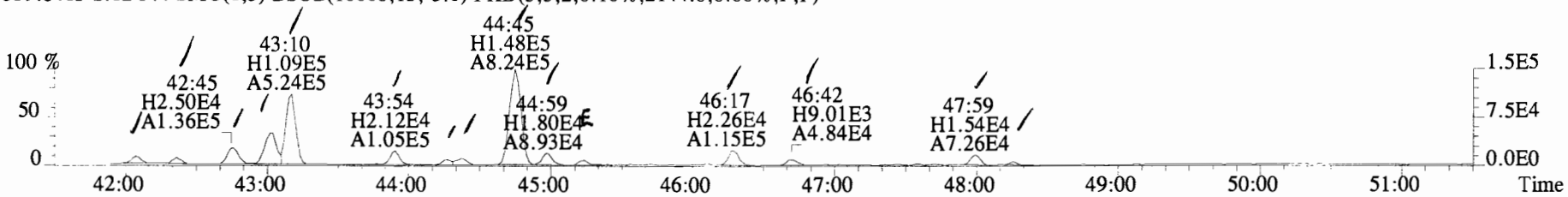



361.8385 S:12 F:3 SMO(1,3) BSUB(10000,15,-3.0)

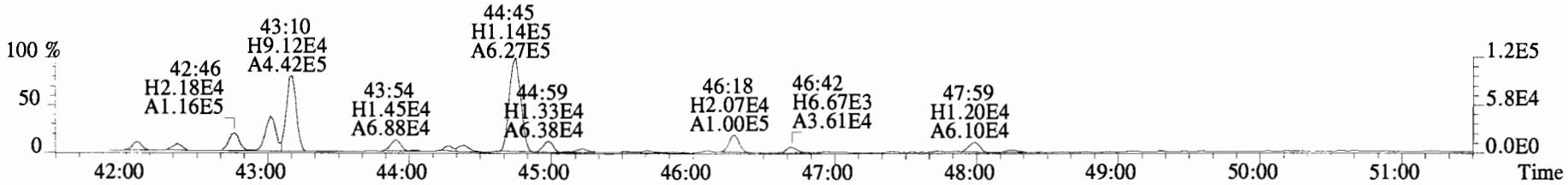


File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

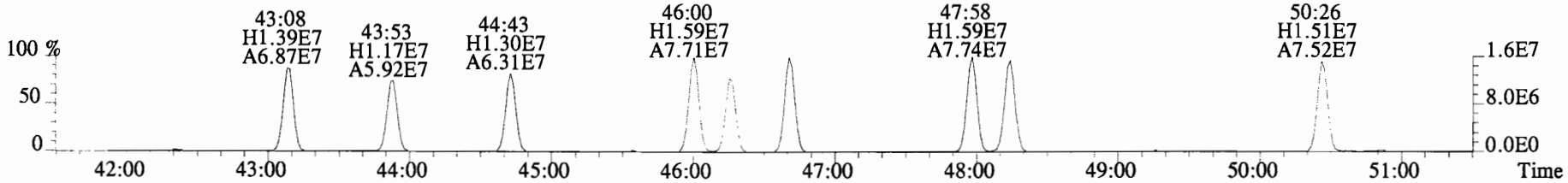
359.8415 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



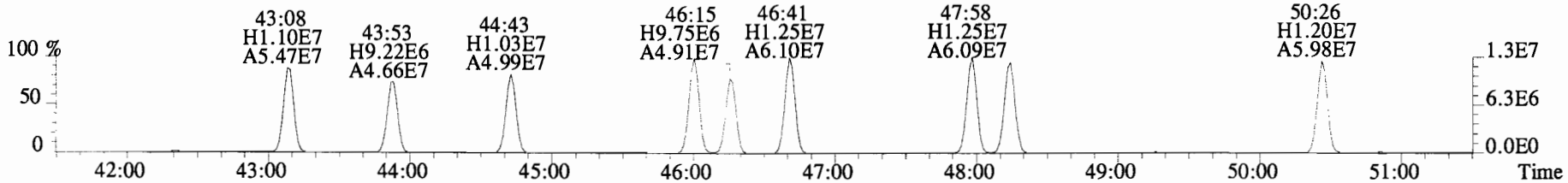

361.8385 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)



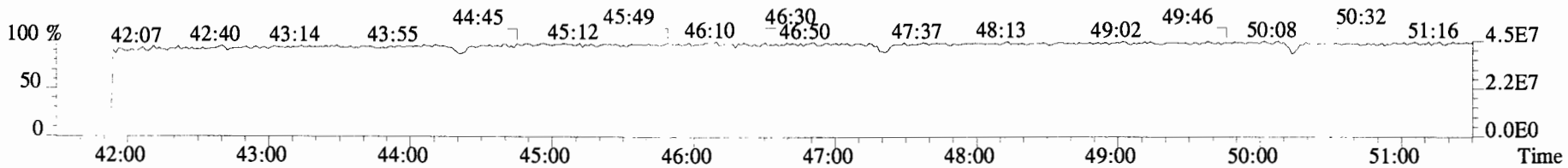

371.8817 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12552.0,0.00%,F,F)



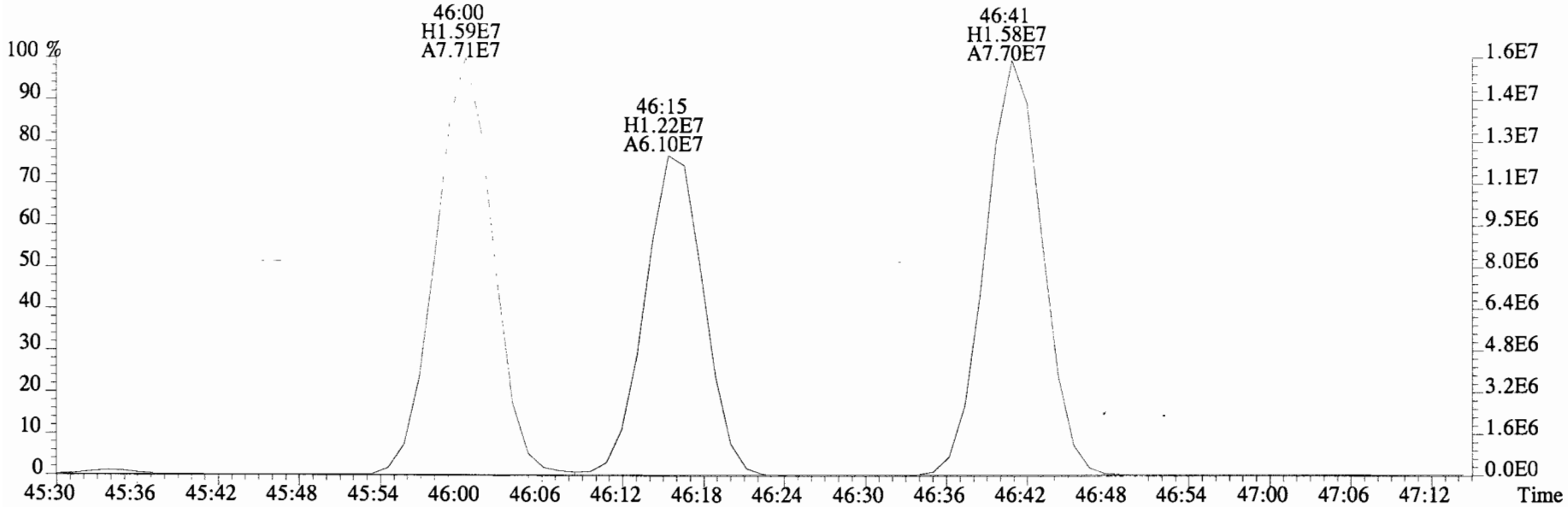

373.8788 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10116.0,0.00%,F,F)



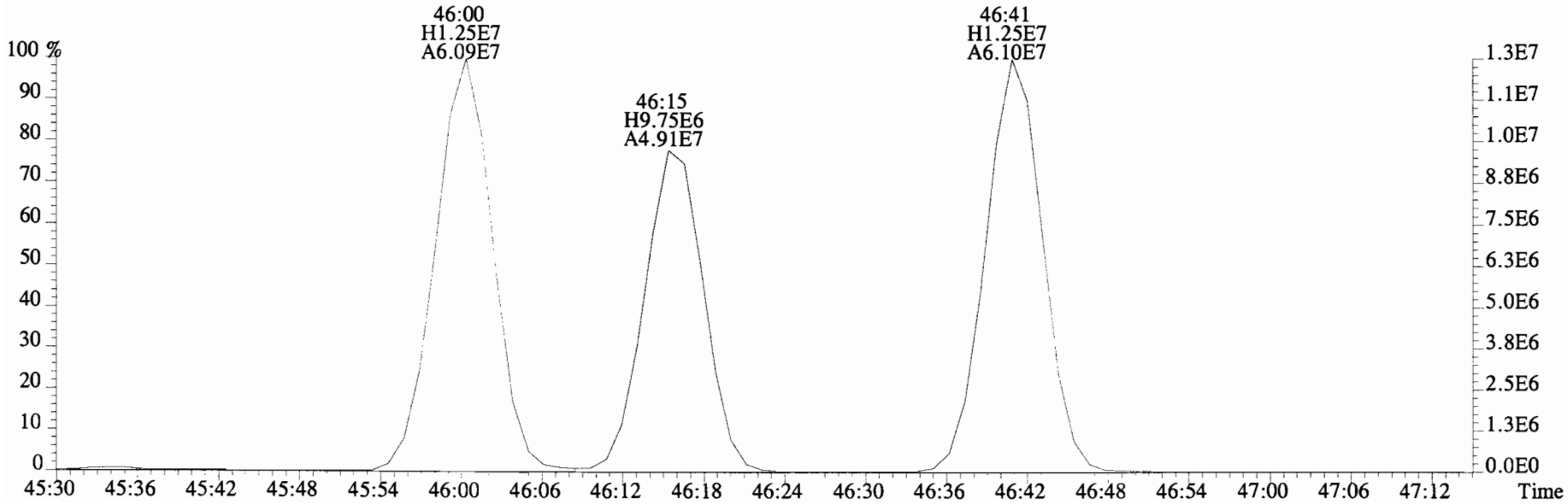

380.9760 S:12 F:4



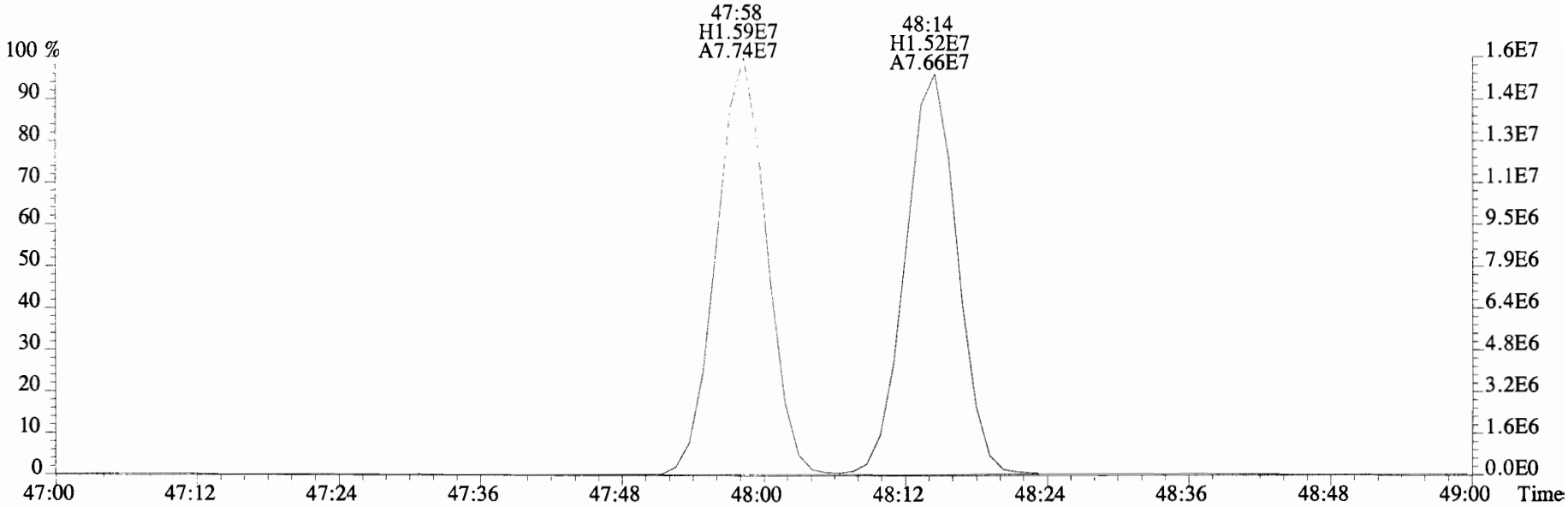
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
371.8817 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12552.0,0.00%,F,F)



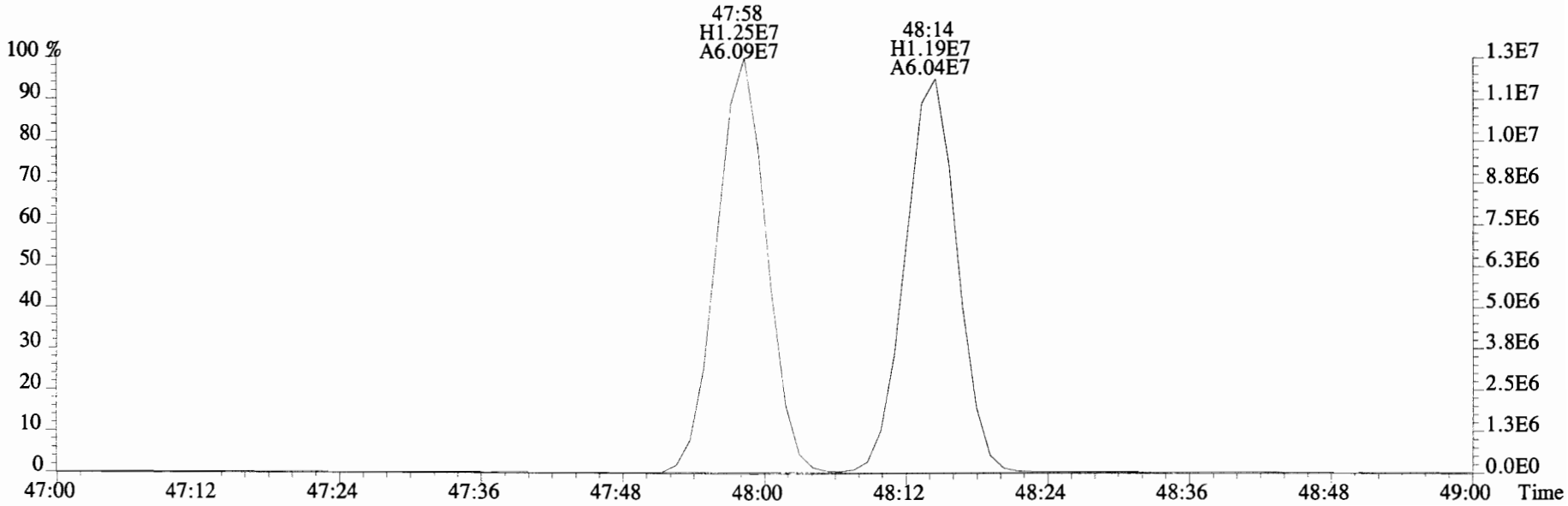

373.8788 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10116.0,0.00%,F,F)



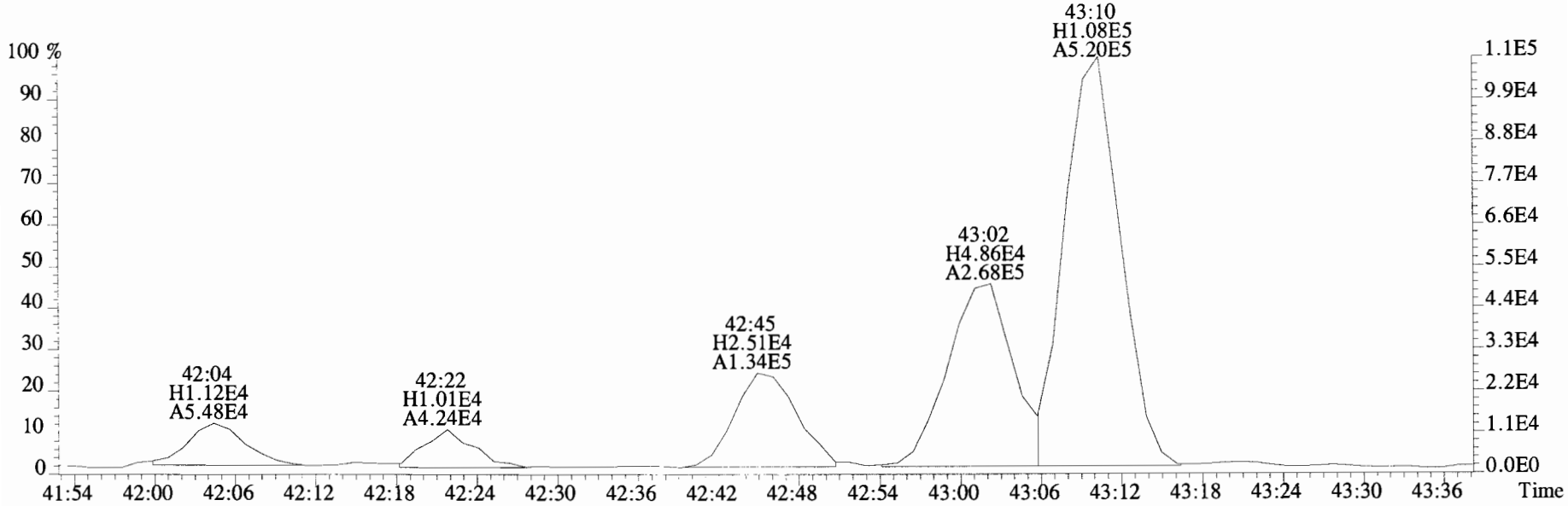
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
371.8817 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12552.0,0.00%,F,F)



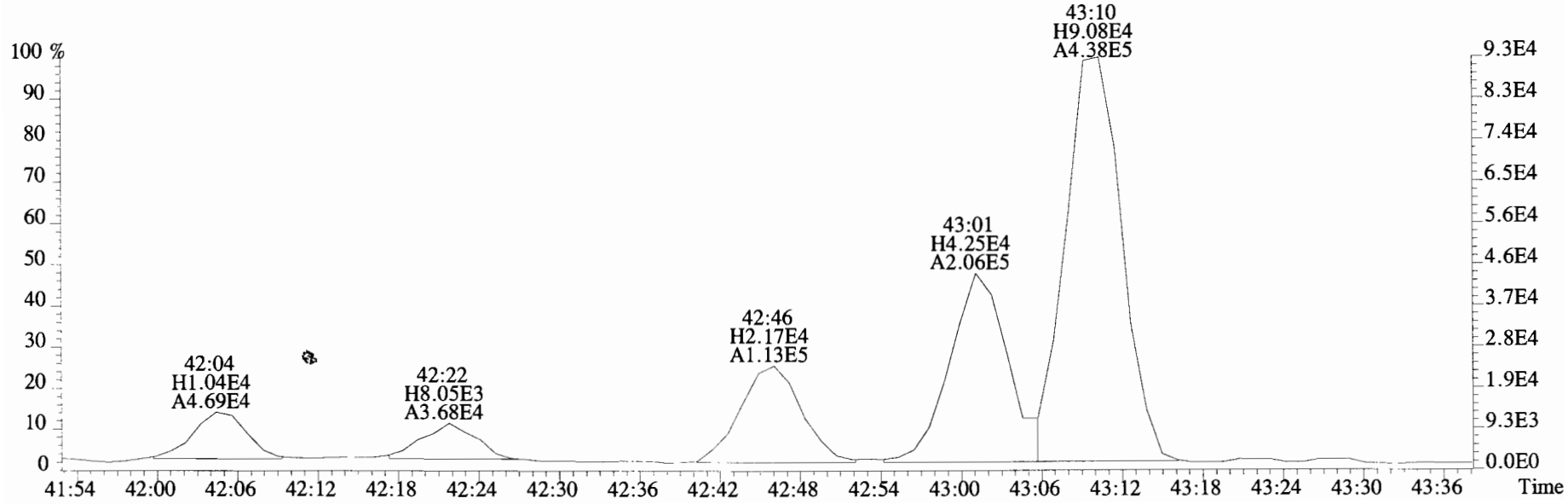

373.8788 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10116.0,0.00%,F,F)



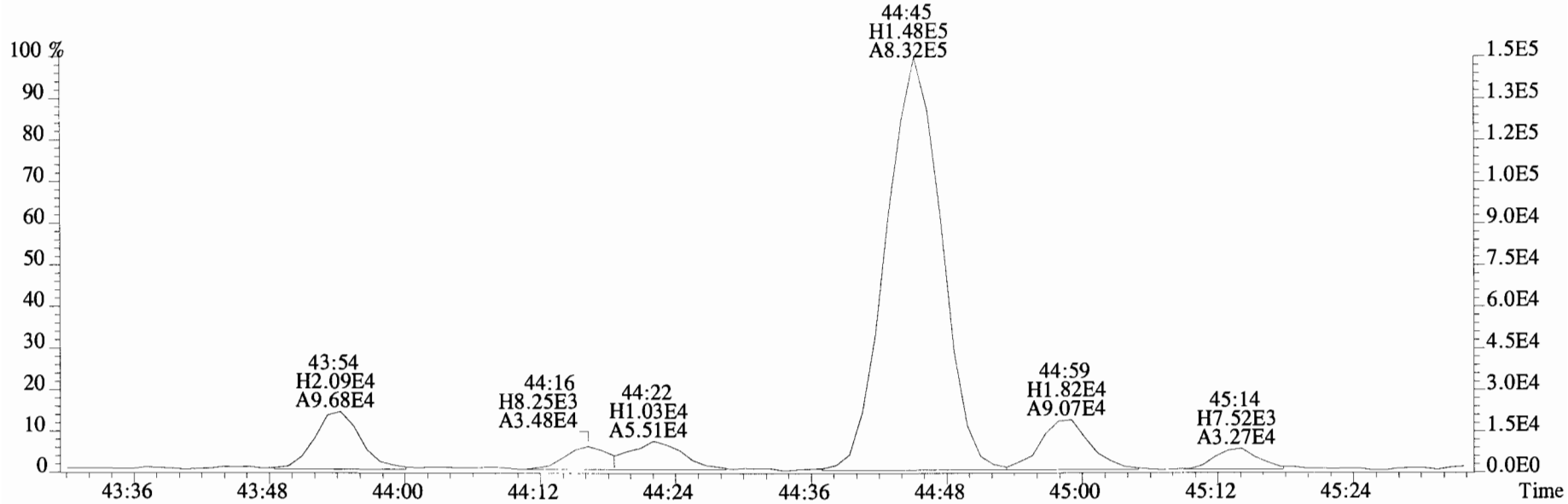
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
359.8415 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



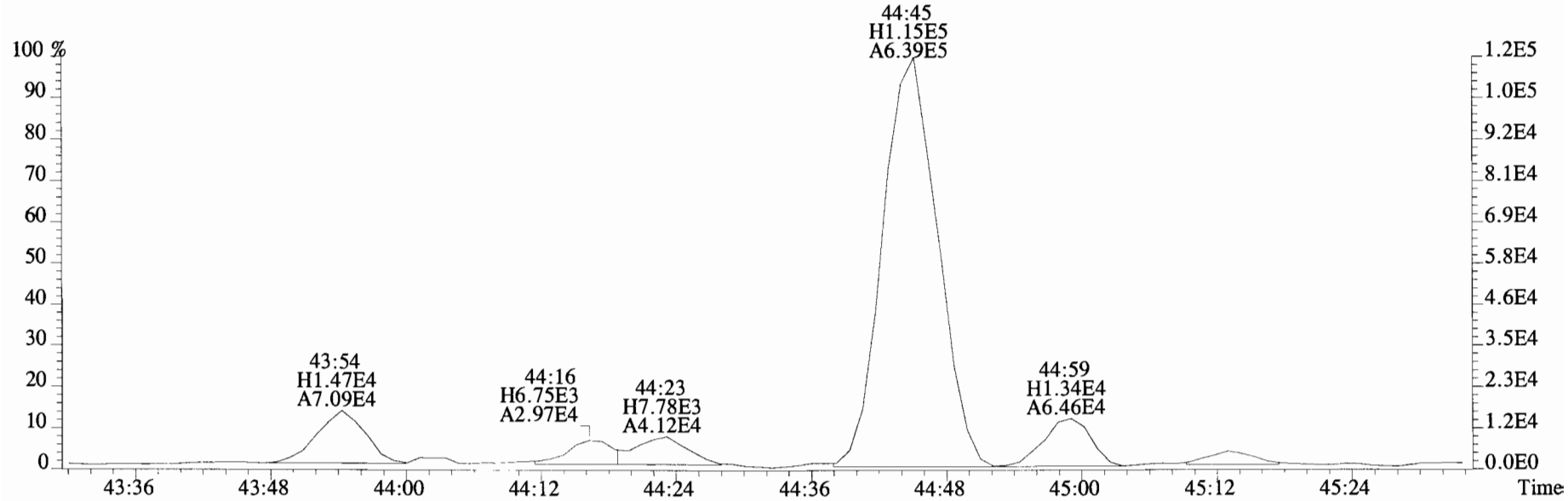

361.8385 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)



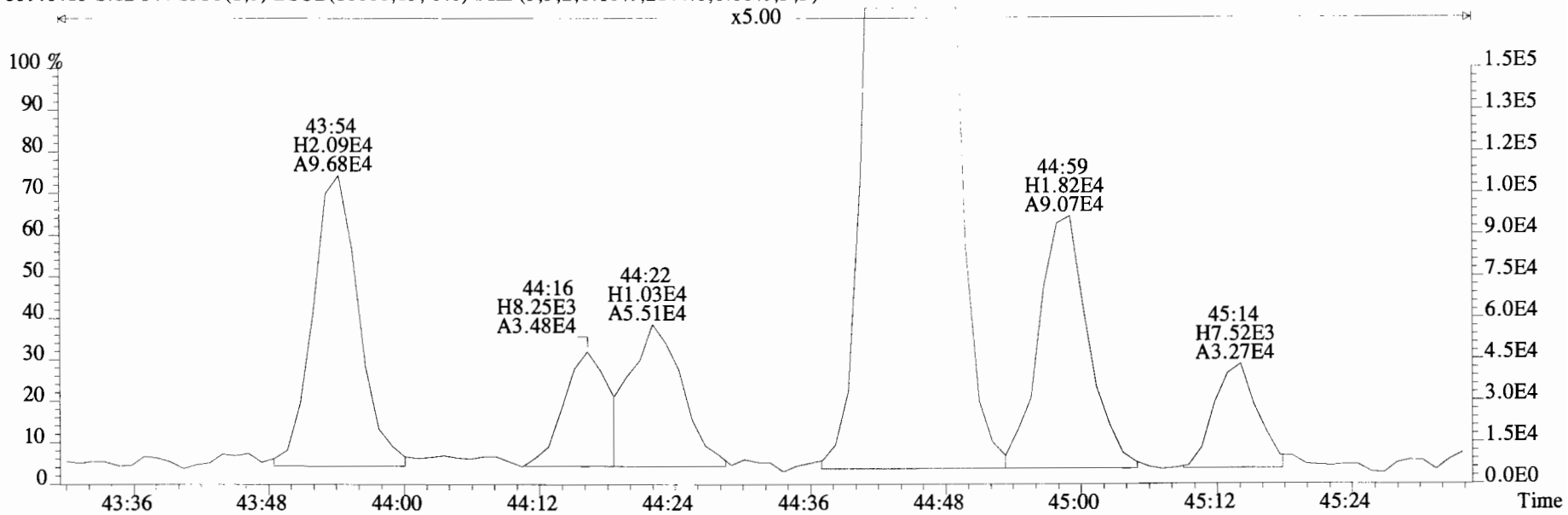
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
359.8415 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



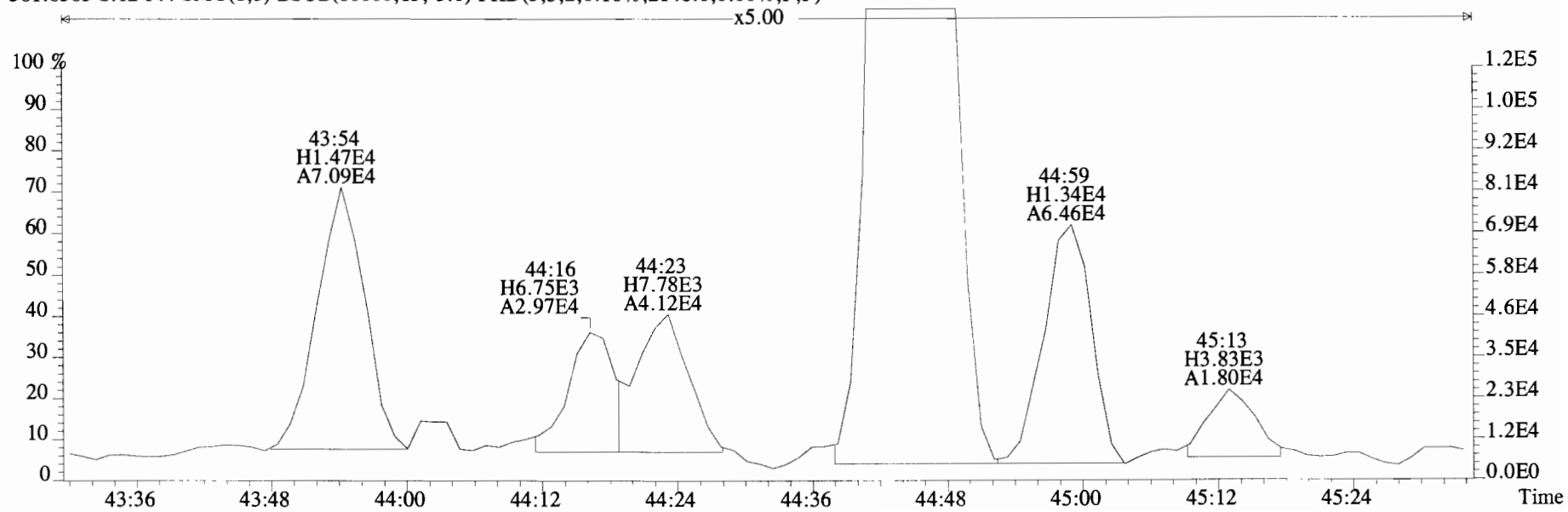

361.8385 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)



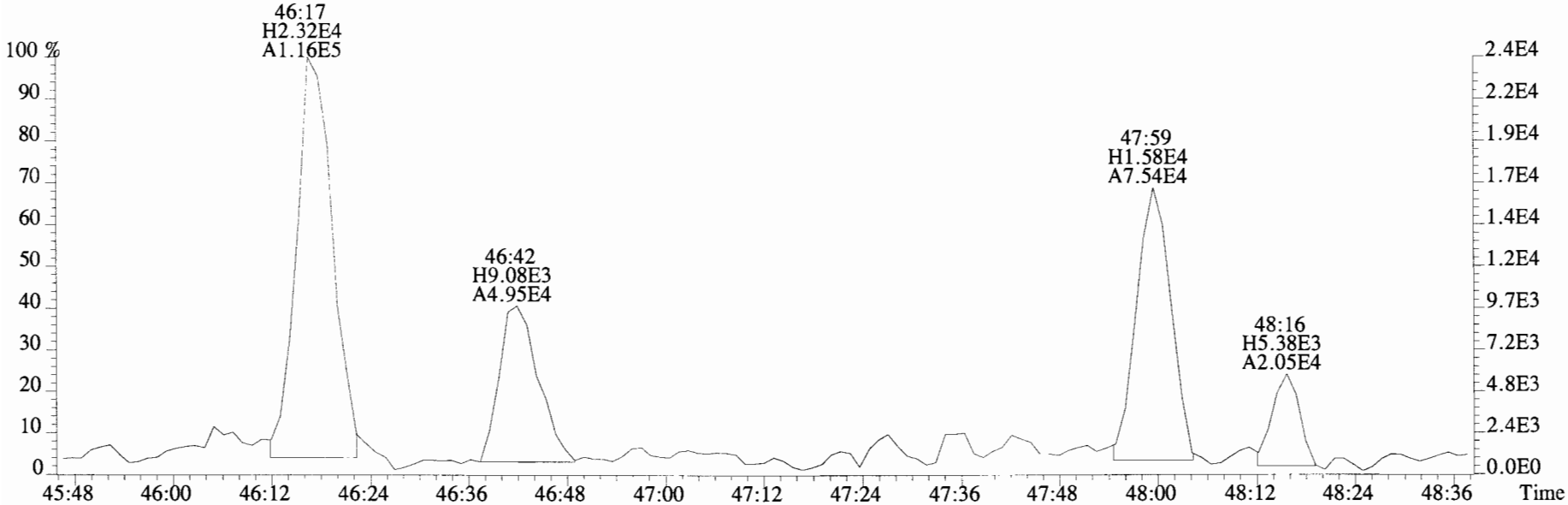
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
359.8415 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



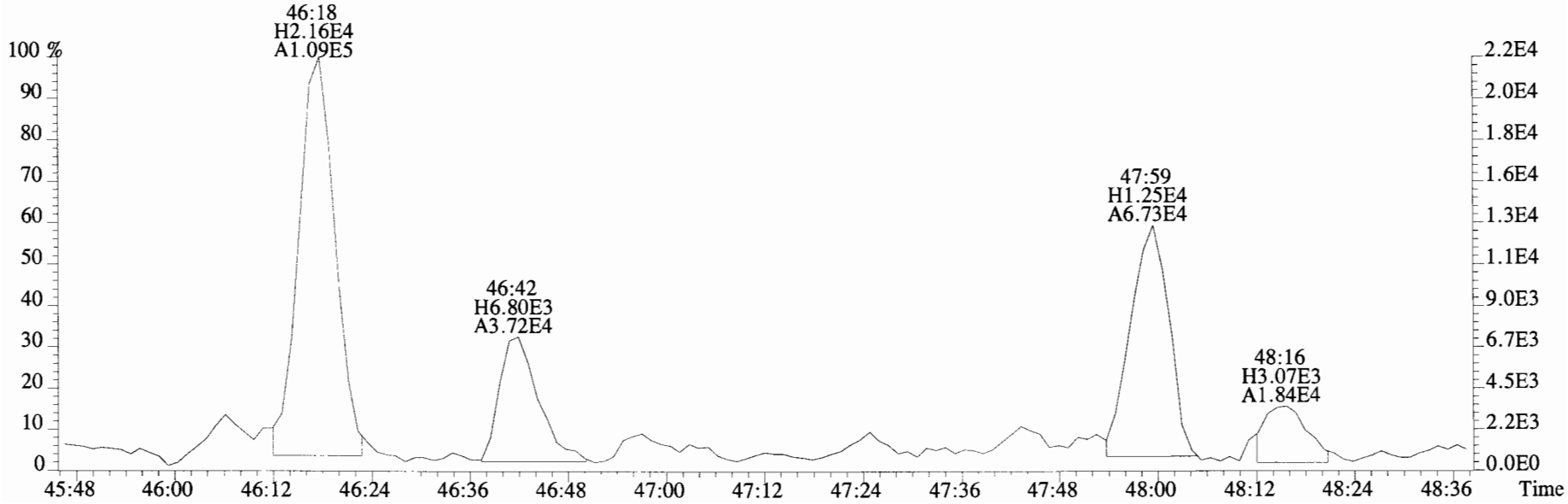

361.8385 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)



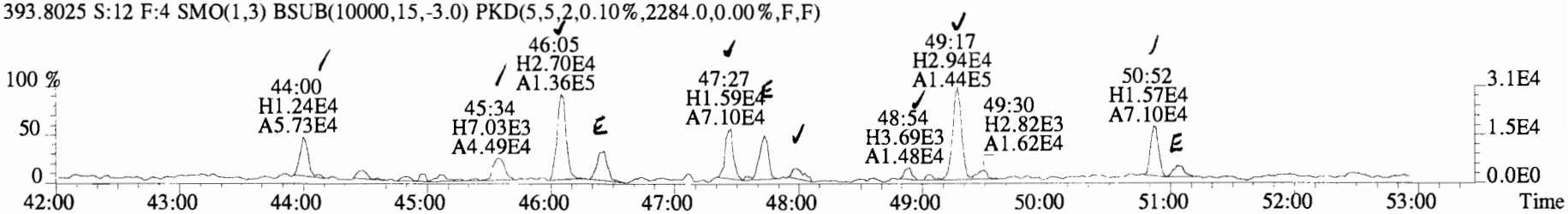
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
359.8415 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



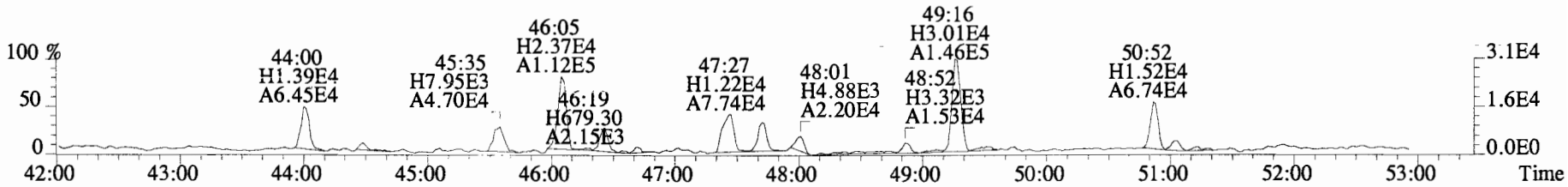

361.8385 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)



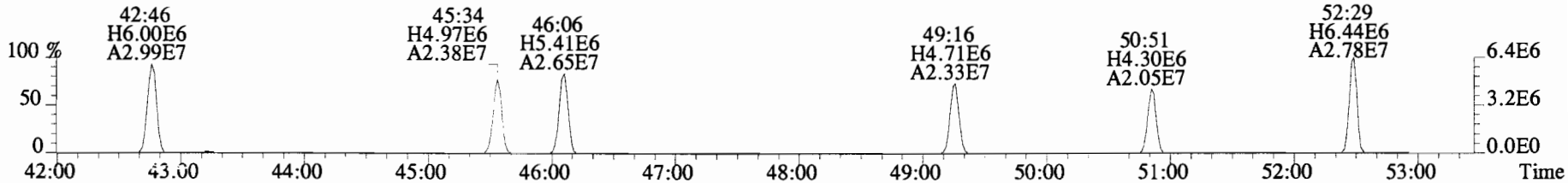
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
393.8025 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2284.0,0.00%,F,F)



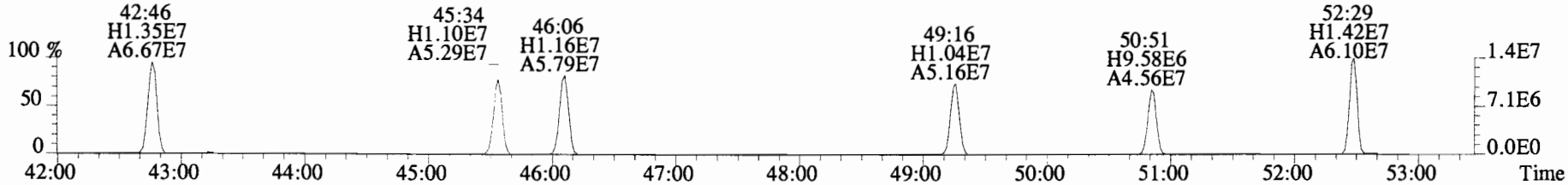

395.7995 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



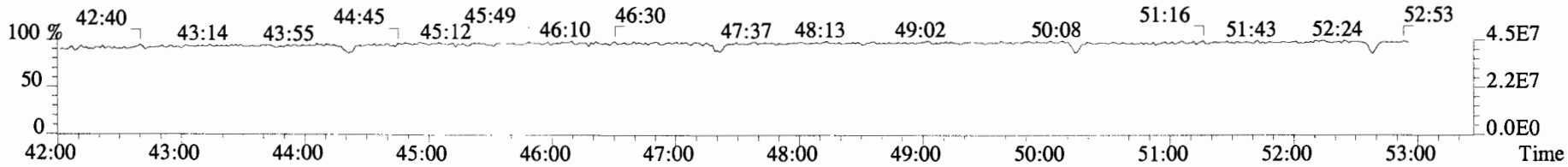

403.8457 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6036.0,0.00%,F,F)



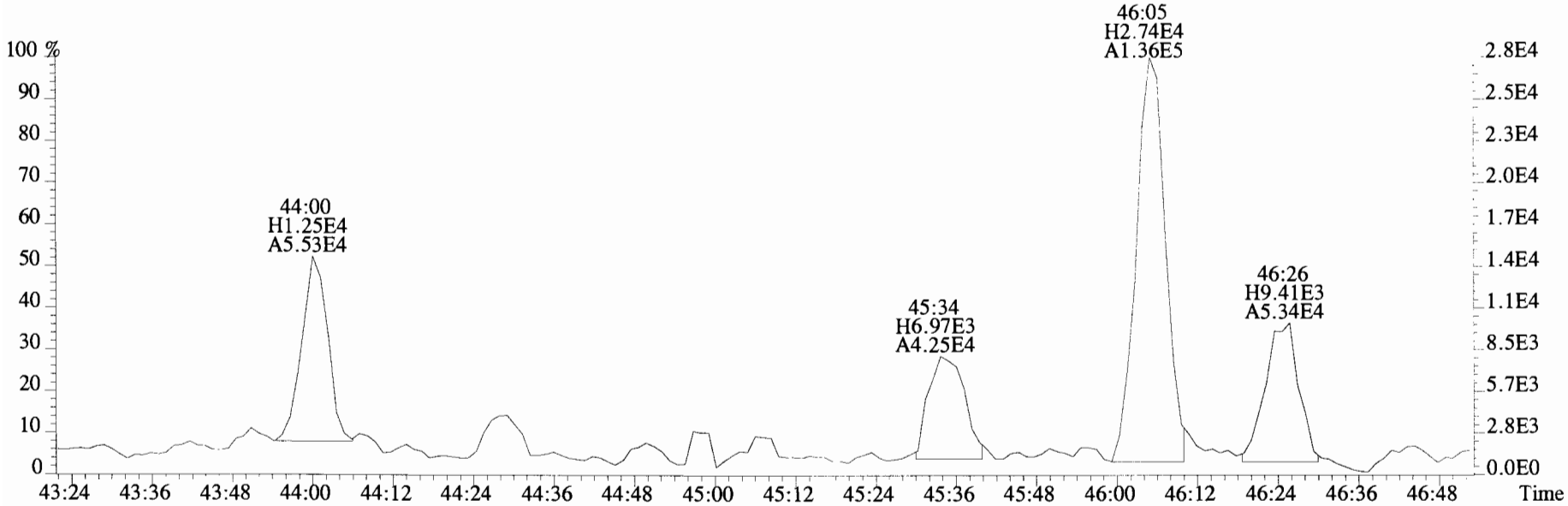

405.8428 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10896.0,0.00%,F,F)



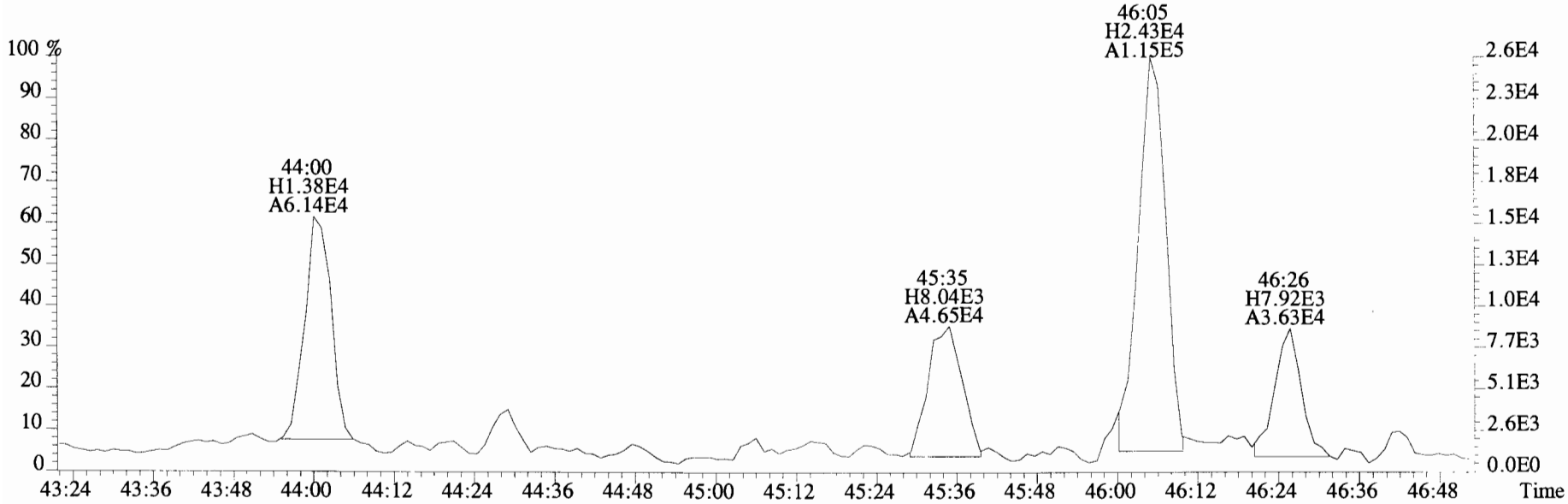

380.9760 S:12 F:4



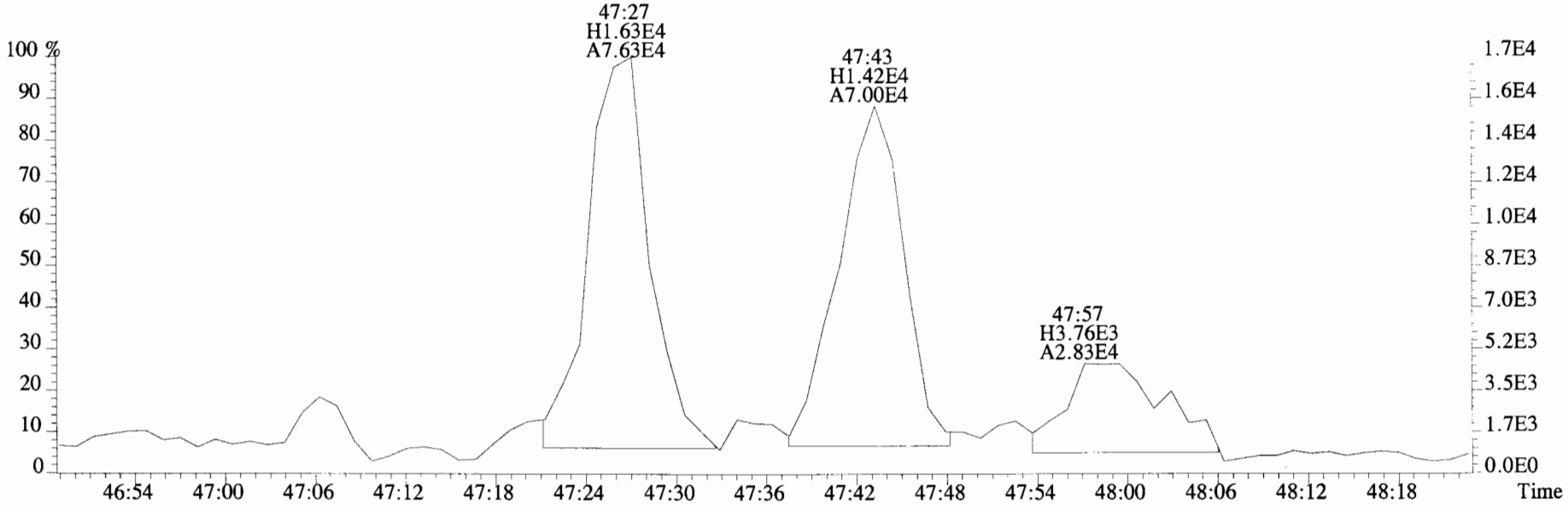
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
393.8025 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2284.0,0.00%,F,F)



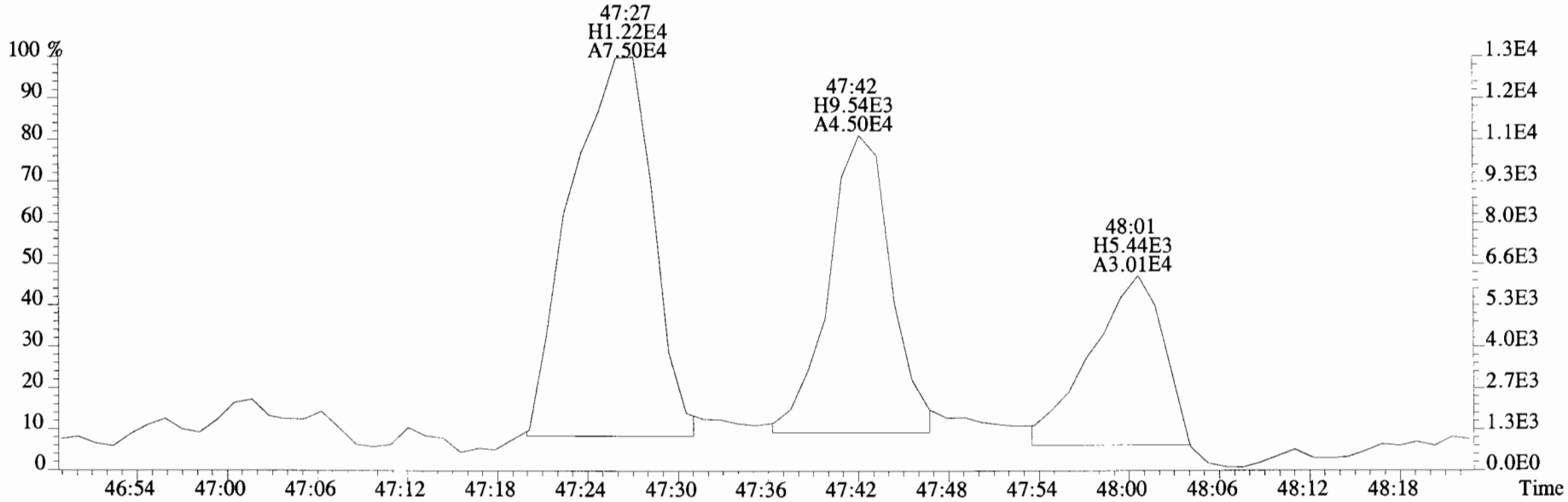

395.7995 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



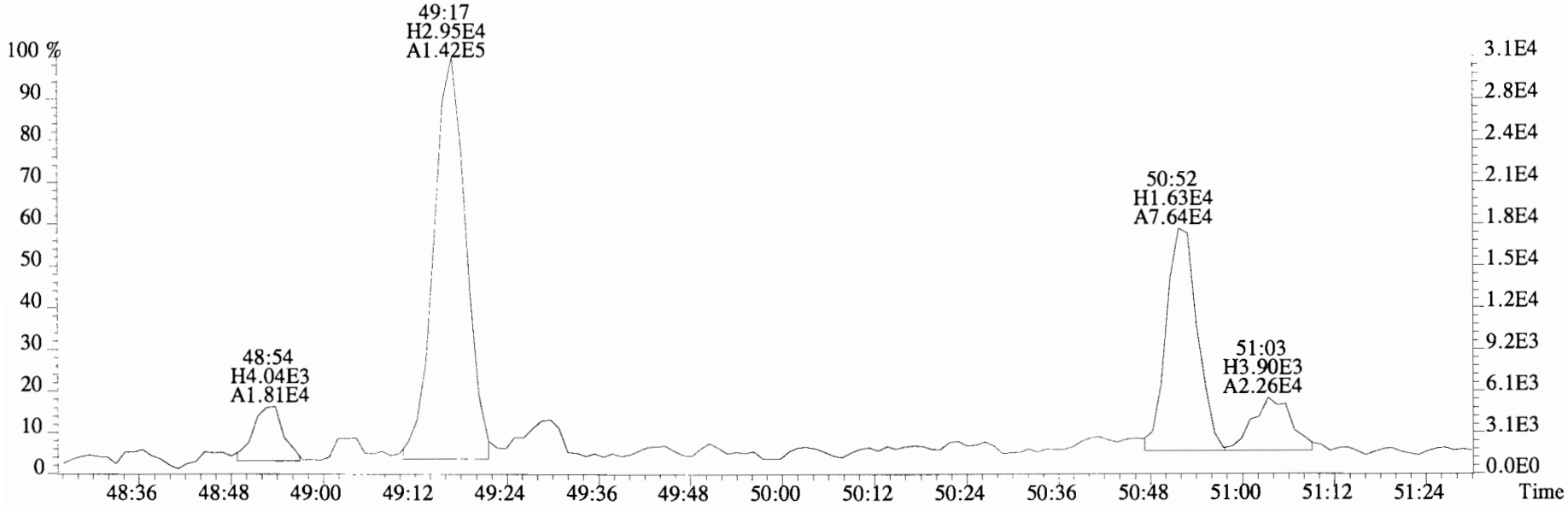
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
393.8025 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2284.0,0.00%,F,F)



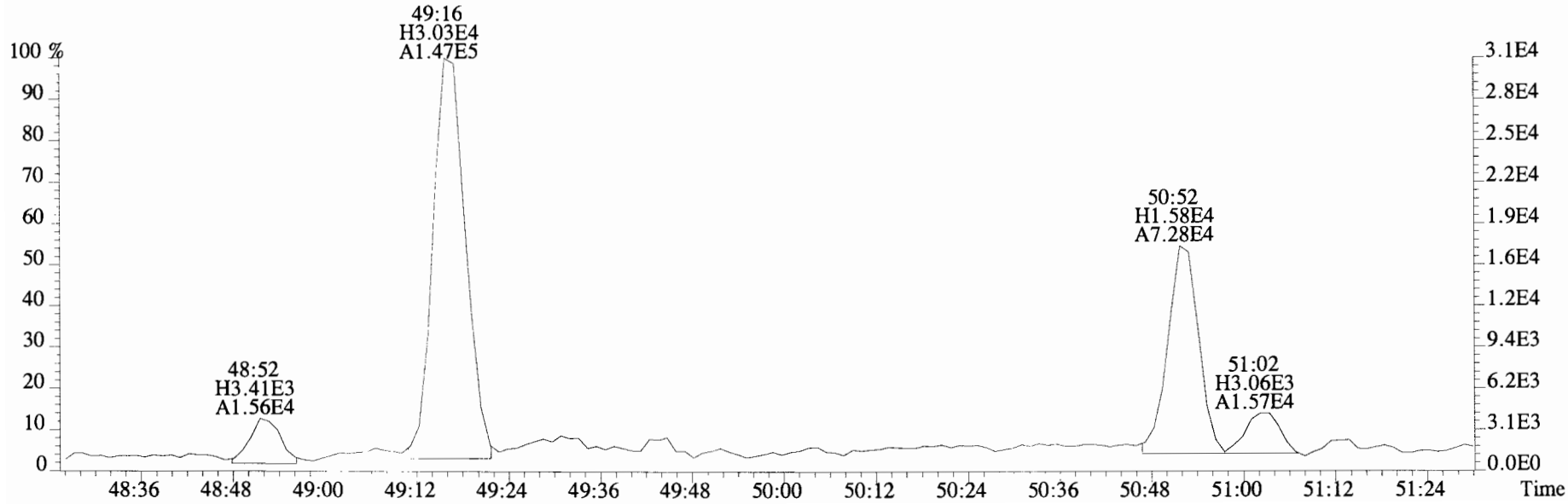

395.7995 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



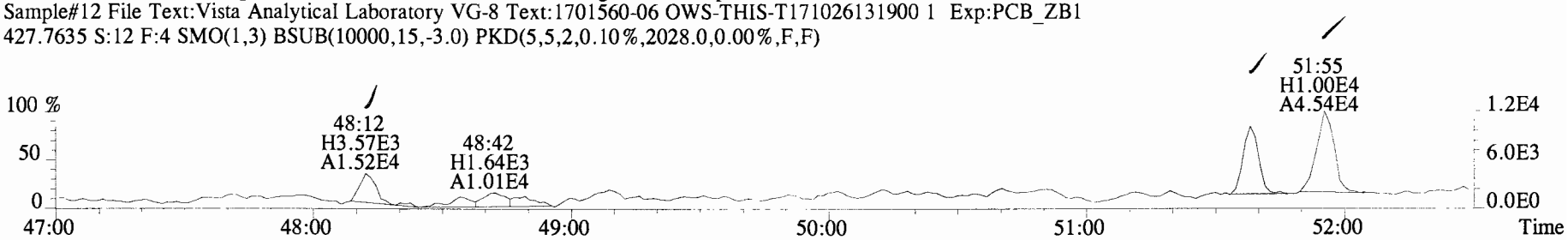
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
393.8025 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2284.0,0.00%,F,F)



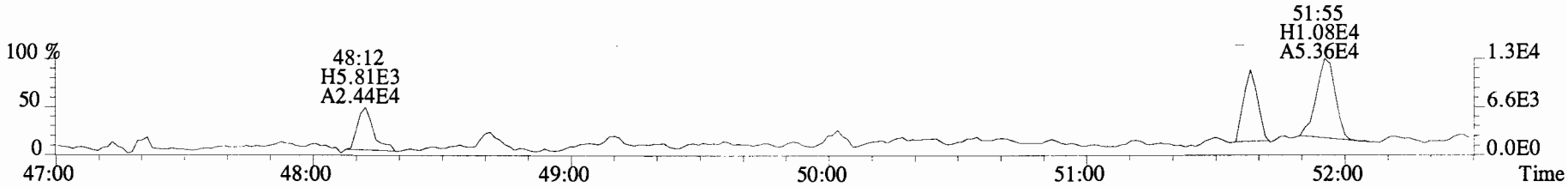

395.7995 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



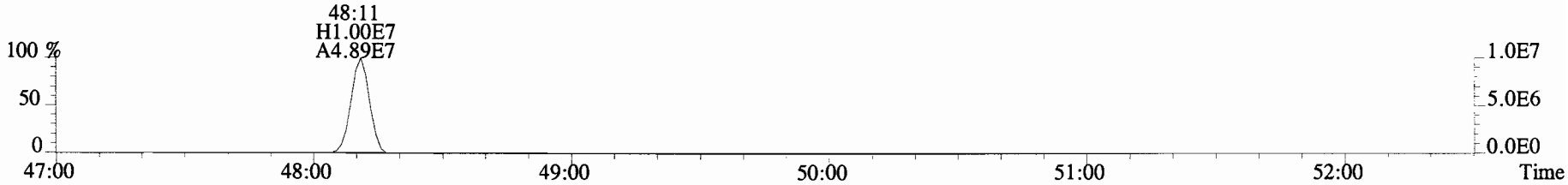
File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
427.7635 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2028.0,0.00%,F,F)



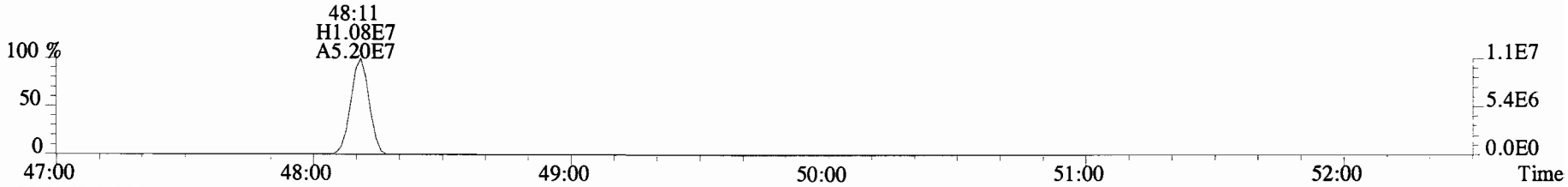

429.7606 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



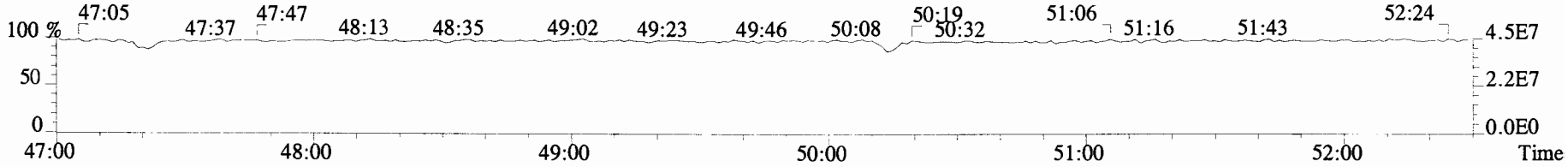

439.8038 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1408.0,0.00%,F,F)



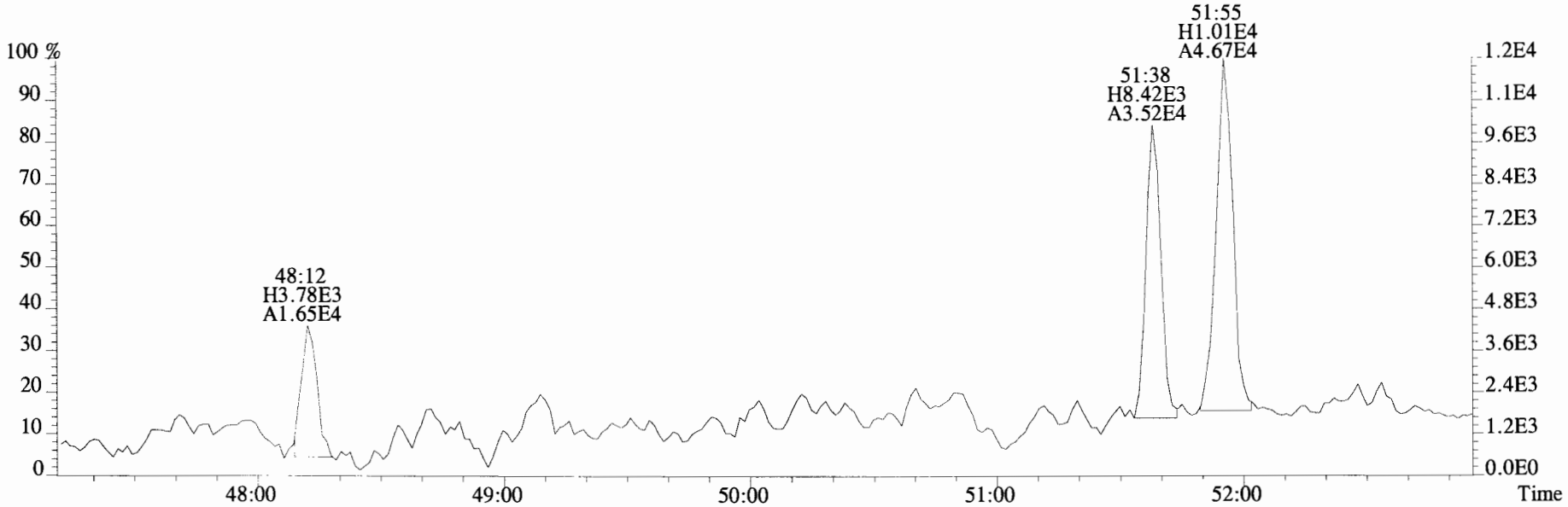

441.8008 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1388.0,0.00%,F,F)



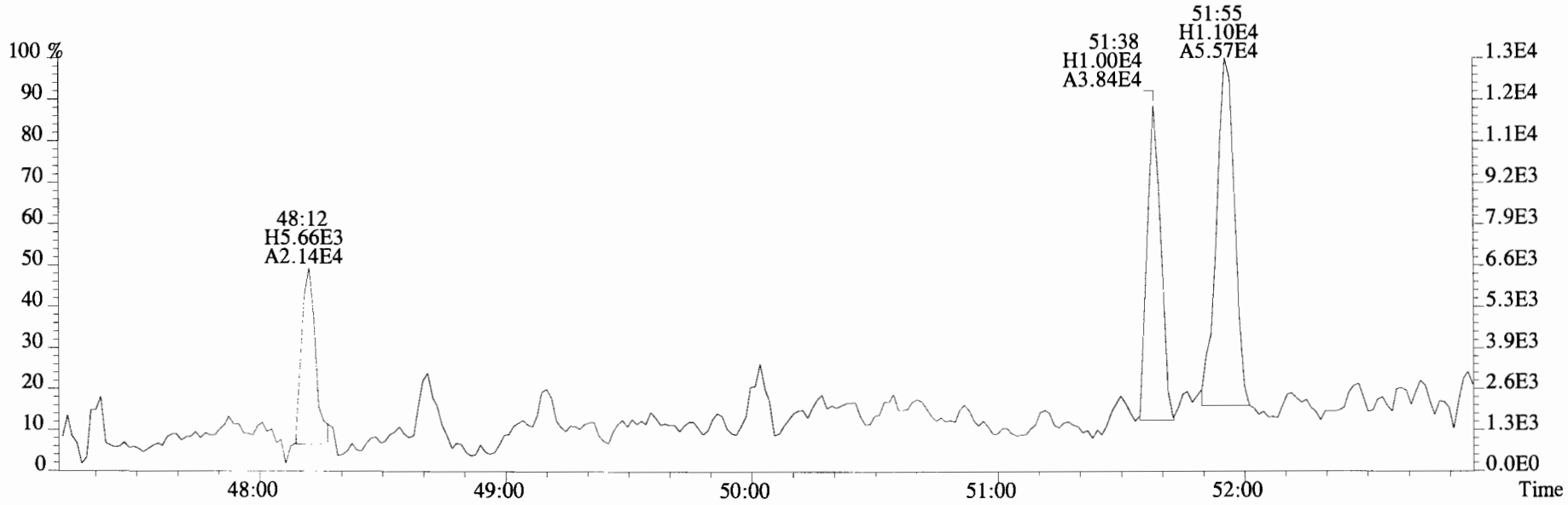

380.9760 S:12 F:4



File:180409E1 #1-574 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
427.7635 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2028.0,0.00%,F,F)

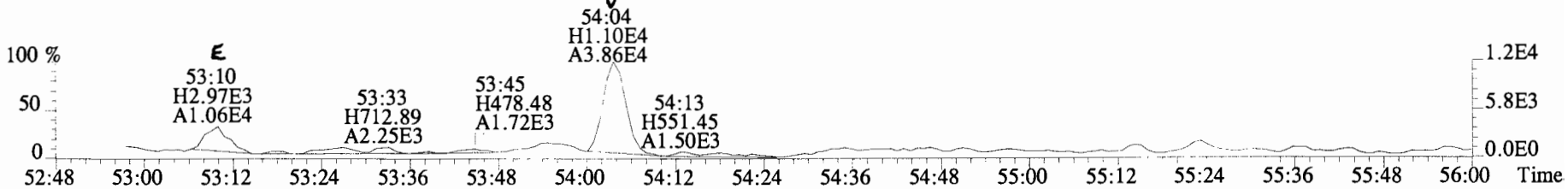



429.7606 S:12 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)

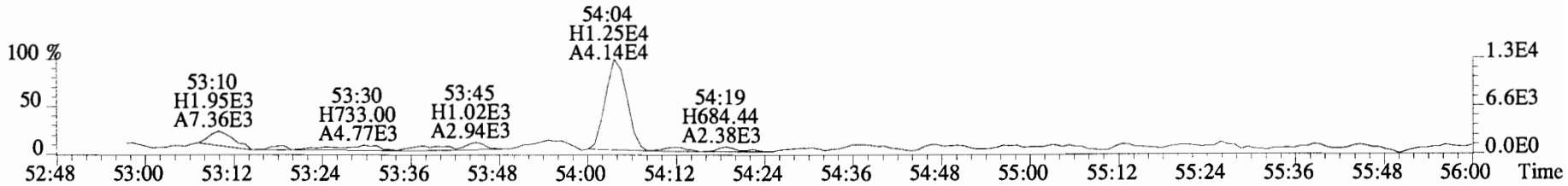


File:180409E1 #1-407 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1

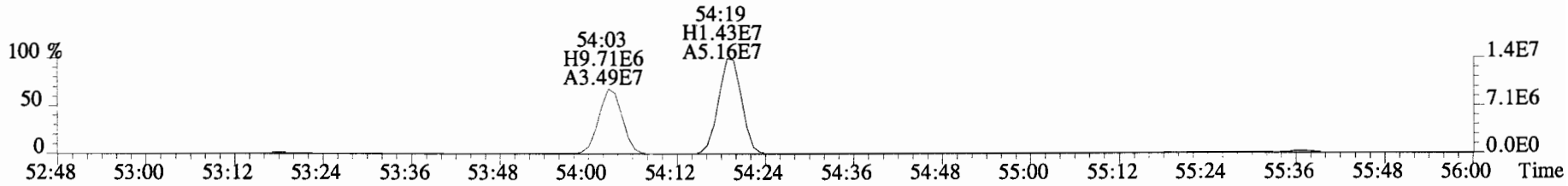
427.7635 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1204.0,0.00%,F,F)



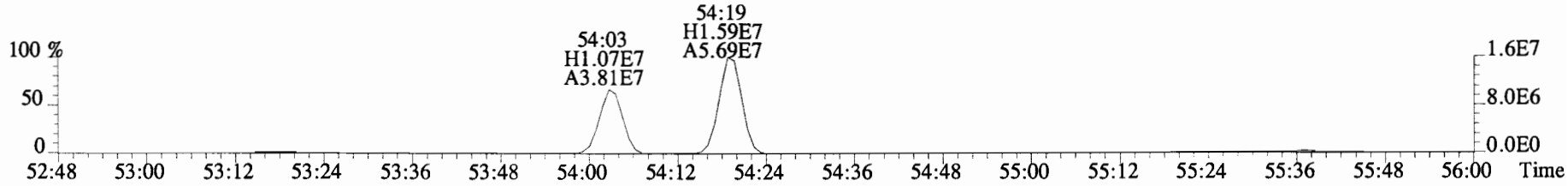

429.7606 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1344.0,0.00%,F,F)



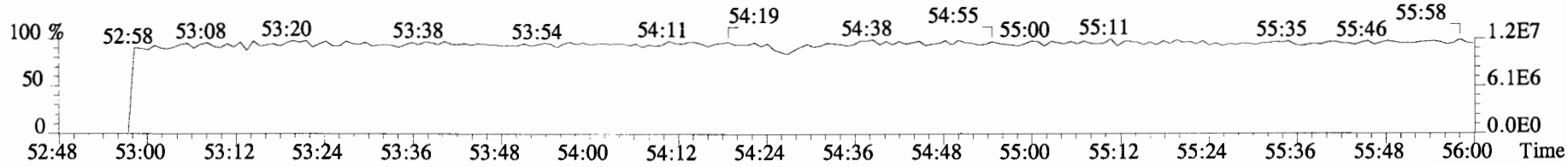

439.8038 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4120.0,0.00%,F,F)



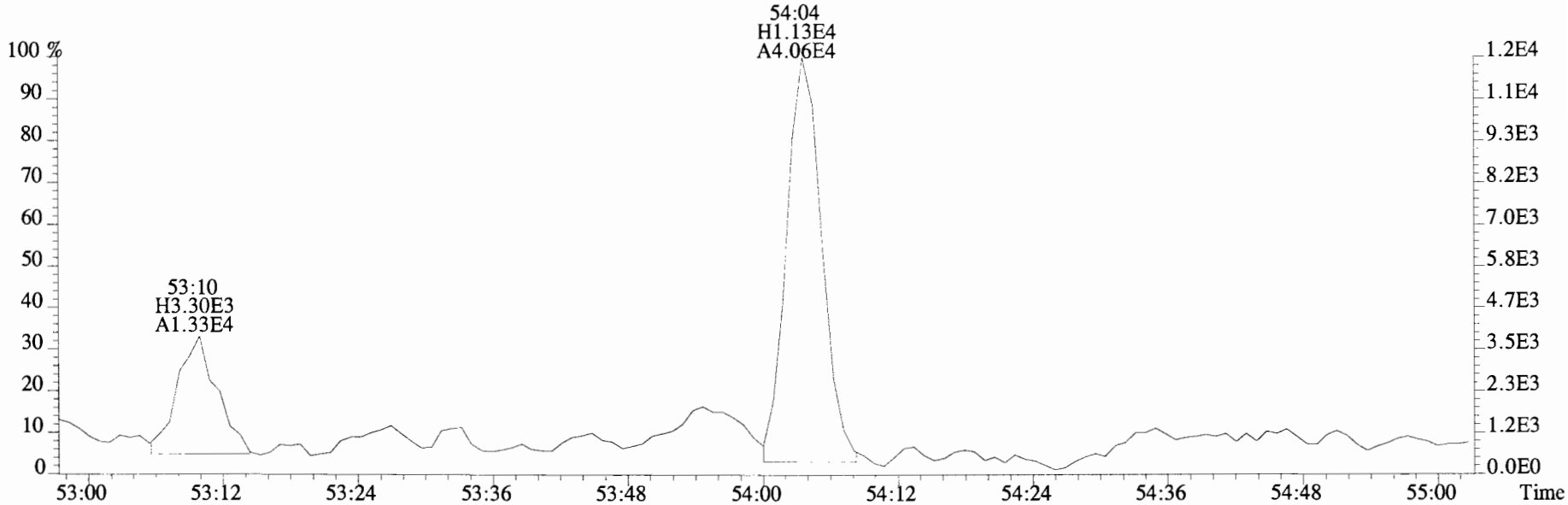

441.8008 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3984.0,0.00%,F,F)



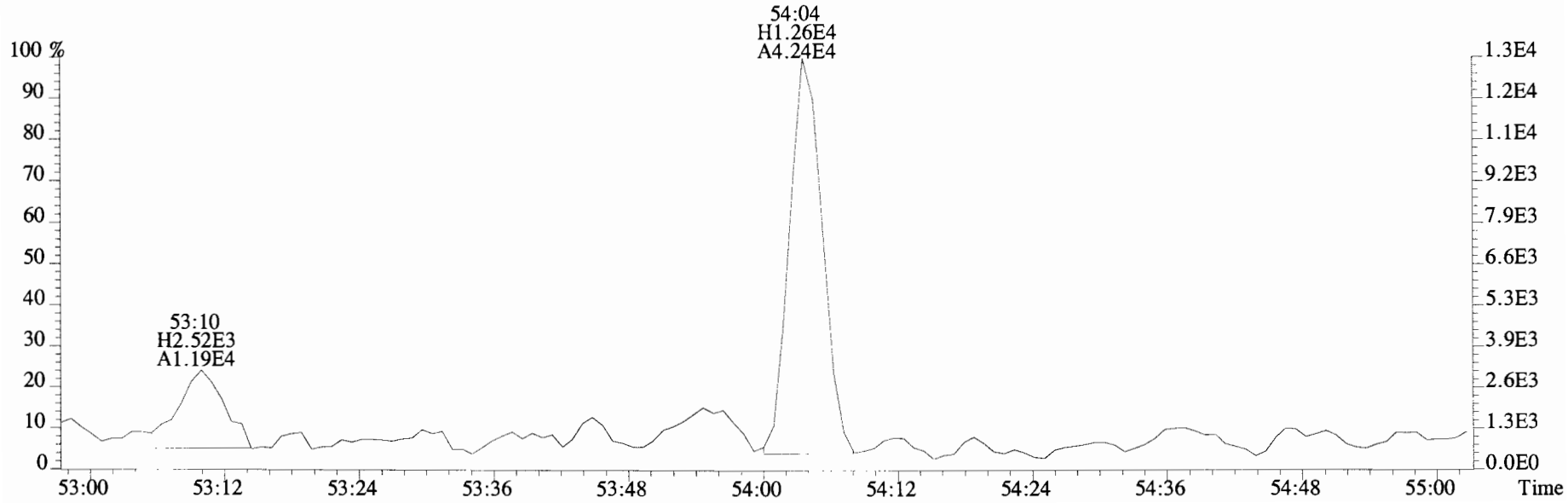

492.9697 S:12 F:5



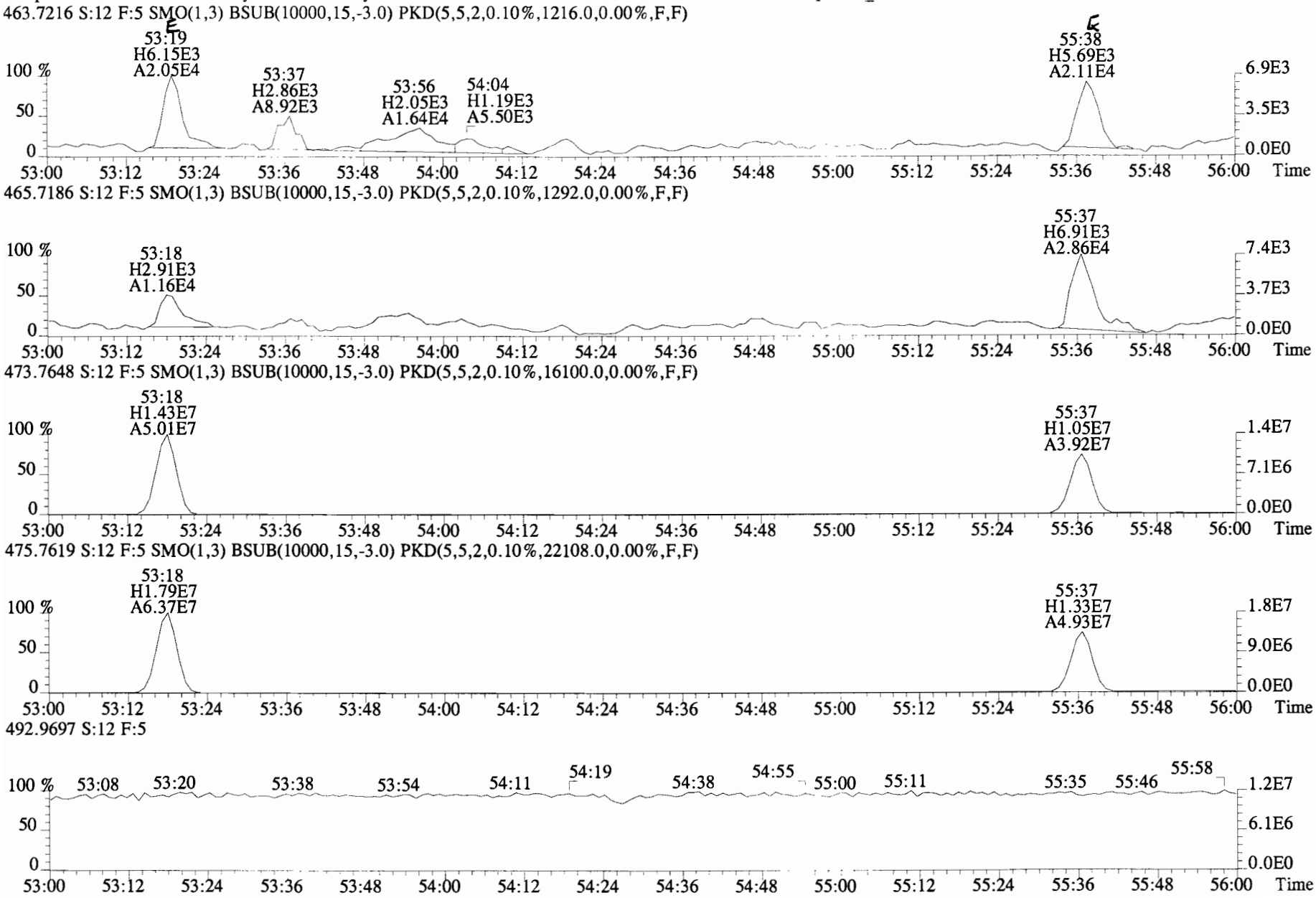
File:180409E1 #1-407 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
427.7635 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1204.0,0.00%,F,F)



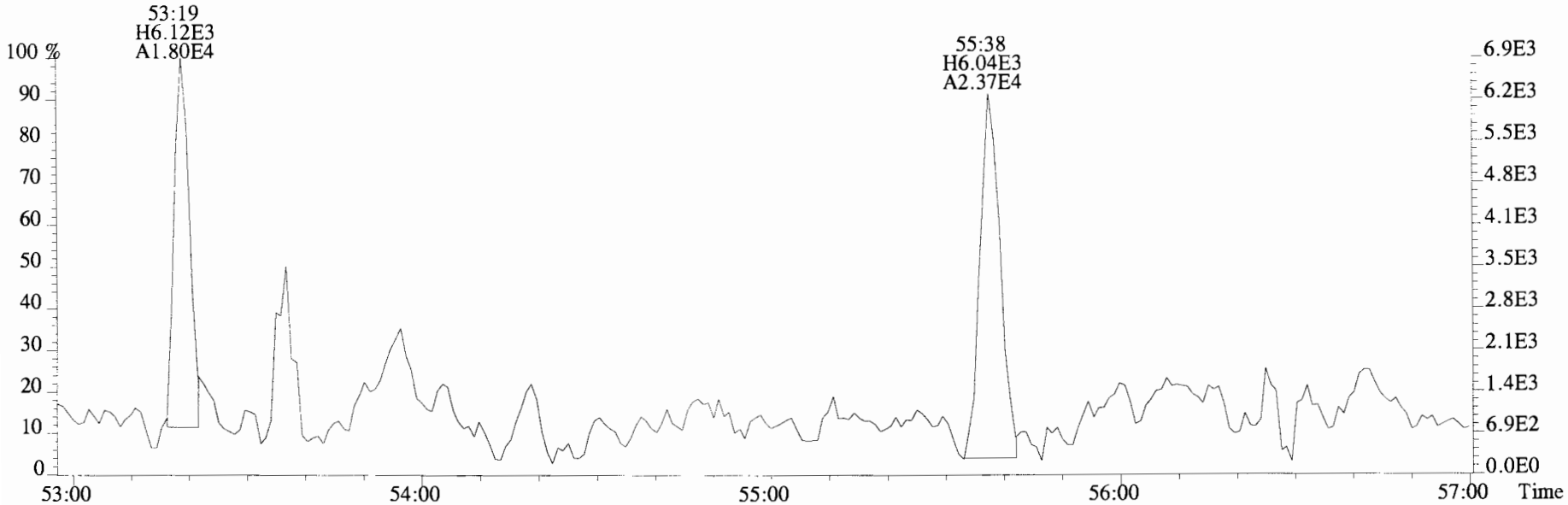

429.7606 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1344.0,0.00%,F,F)



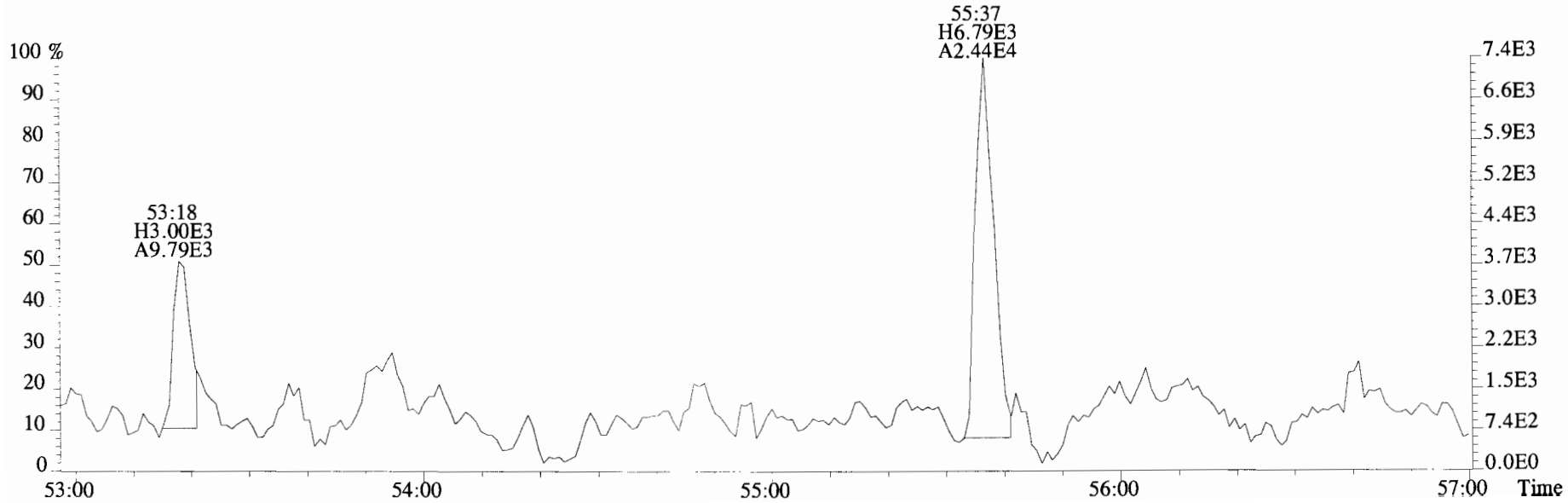
File:180409E1 #1-407 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1



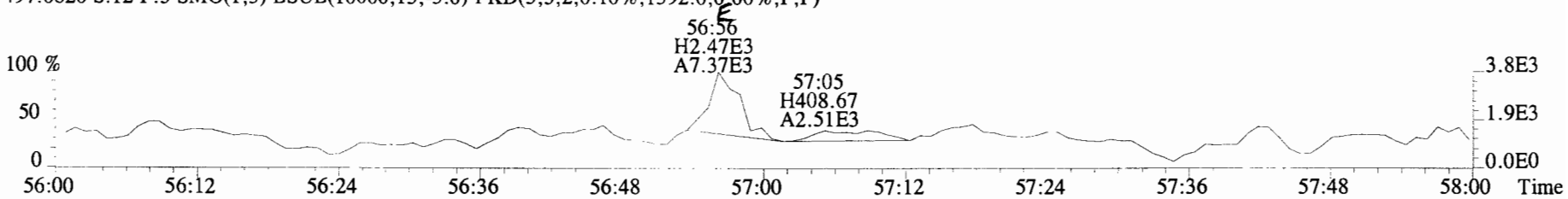
File:180409E1 #1-407 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
463.7216 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1216.0,0.00%,F,F)



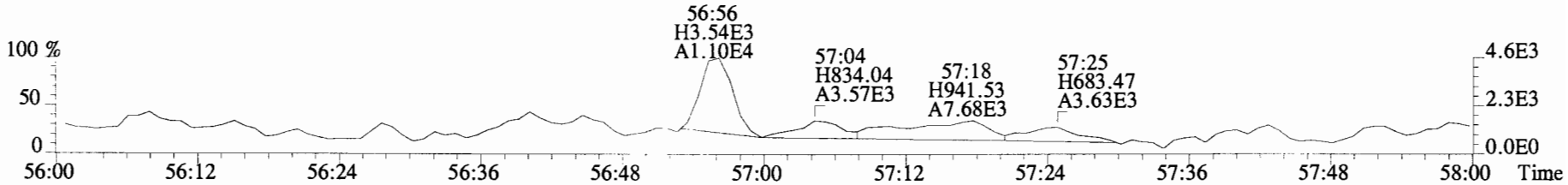

465.7186 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1292.0,0.00%,F,F)



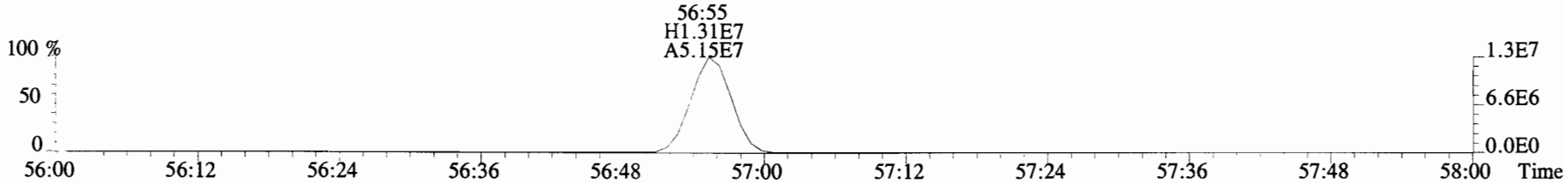
File:180409E1 #1-407 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
497.6826 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1392.0,0.00%,F,F)



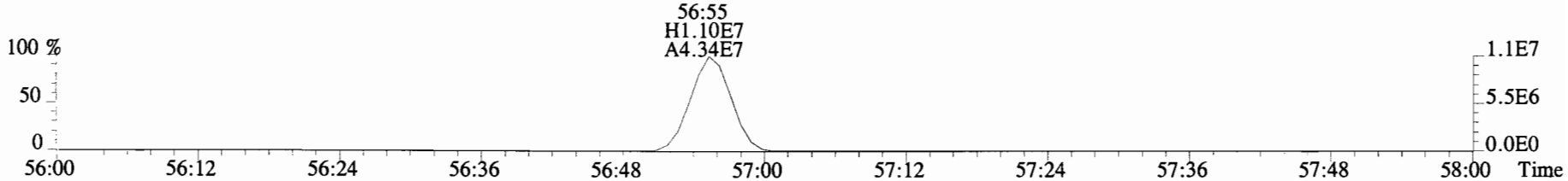

499.6797 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1276.0,0.00%,F,F)



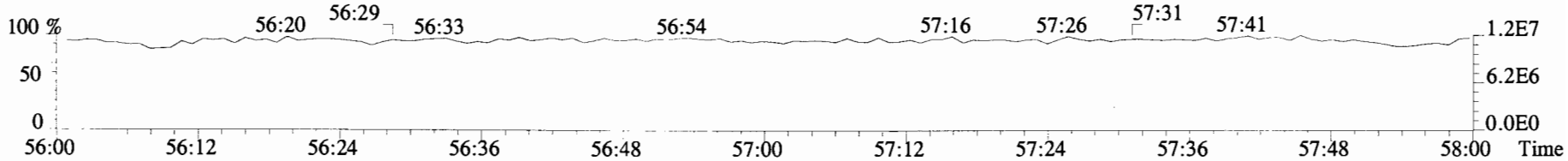

509.7229 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1360.0,0.00%,F,F)



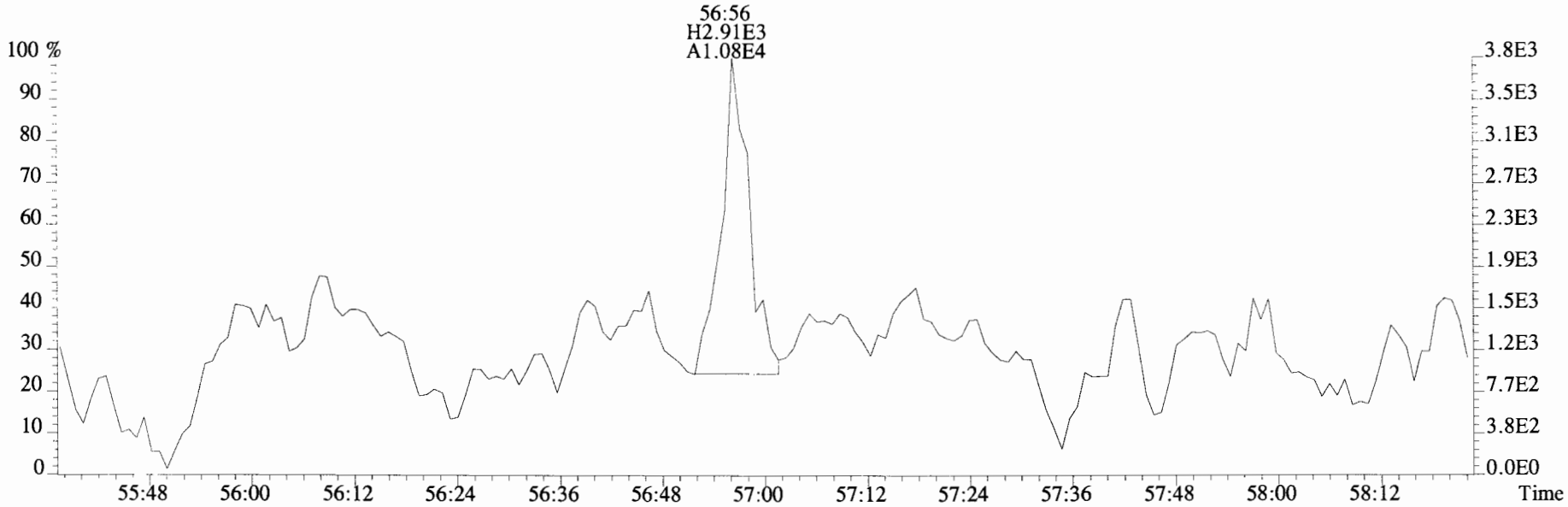

511.7199 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1512.0,0.00%,F,F)



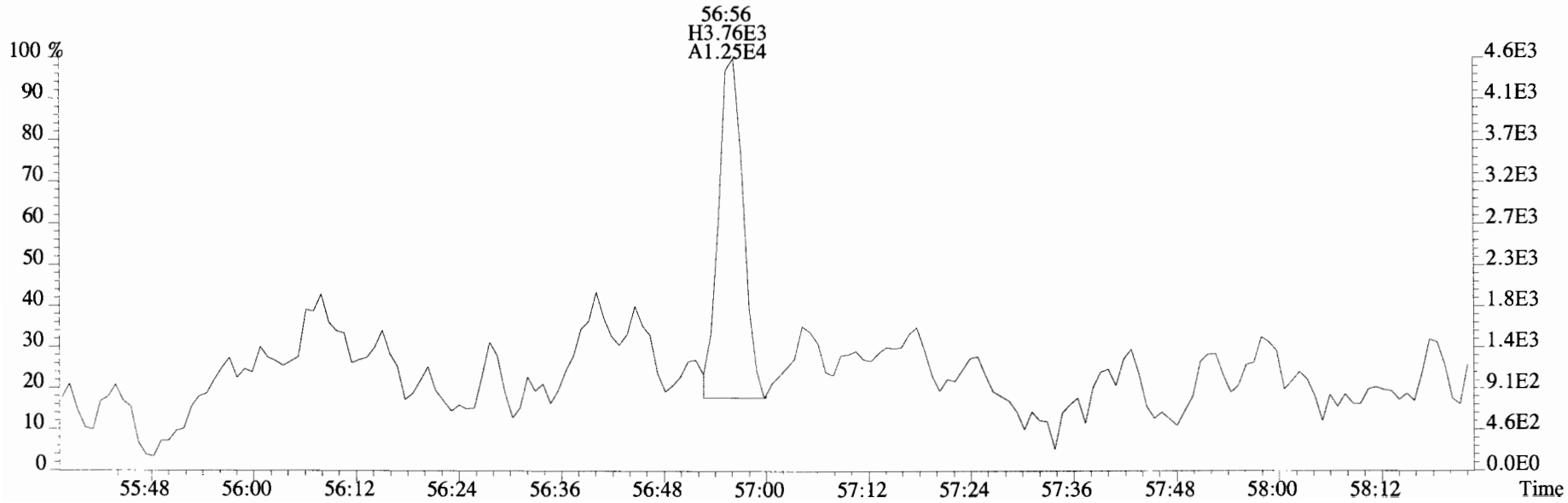

492.9697 S:12 F:5



File:180409E1 #1-407 Acq:10-APR-2018 05:30:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG-8 Text:1701560-06 OWS-THIS-T171026131900 1 Exp:PCB_ZB1
497.6826 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1392.0,0.00%,F,F)




499.6797 S:12 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1276.0,0.00%,F,F)



Client ID: OWS-WAFO-T171026132220 Filename: 180409E2 S:3 Acq:10-APR-18 08:57:40 ConCal: ST180409E2-1 
Lab ID: 1701560-07 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.939 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 6.38e+06 | 3.07 | y 15:59 | 1.07 | 93.82 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Mono | PCB-2 | 1.23e+05 | 2.78 | y 18:23 | 1.06 | 1.721 | | * | 2.5 | * | 0.988 | 0.983-0.993 |
| Mono | PCB-3 | 1.46e+06 | 2.84 | y 18:37 | 1.06 | 20.36 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-4/10 | 5.20e+08 | 1.57 | y 19:59 | 1.24 | 10030 | | * | 2.5 | * | 1.003 | 0.998-1.008 |
| Di | PCB-7/9 | 4.14e+05 | 1.33 | y 21:46 | 0.99 | 5.793 | | * | 2.5 | * | 0.866 | 0.863-0.871 |
| Di | PCB-6 | 1.49e+06 | 1.56 | y 22:26 | 1.06 | 19.56 | | * | 2.5 | * | 0.893 | 0.888-0.897 |
| Di | PCB-5/8 | 5.14e+06 | 1.51 | y 22:49 | 1.03 | 69.51 | | * | 2.5 | * | 0.908 | 0.904-0.913 |
| Di | PCB-14 | * | * | n NotF╗ | 1.03 | * | | 4240 | 2.5 | 1.30 | * | 0.948-0.958 |
| Di | PCB-11 | 1.19e+06 | 1.58 | y 25:09 | 1.11 | 13.43 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | 1.49e+06 | 1.53 | y 25:30 | 1.02 | 18.38 | | * | 2.5 | * | 1.015 | 1.011-1.021 |
| Di | PCB-15 | 1.63e+07 | 1.55 | y 25:51 | 1.05 | 194.5 | | * | 2.5 | * | 1.029 | 1.023-1.033 |
| Tri | PCB-19 | 1.17e+08 | 1.04 | y 24:07 | 1.20 | 1789 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | * | * | n NotF╗ | 1.93 | * | | 1370 | 2.5 | 0.256 | * | 1.034-1.044 |
| Tri | PCB-18 | 2.90e+07 | 1.05 | y 25:46 | 0.91 | 385.5 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Tri | PCB-17 | 2.27e+07 | 1.04 | y 25:57 | 0.84 | 327.2 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 5.62e+07 | 1.04 | y 26:30 | 1.15 | 593.0 | | * | 2.5 | * | 0.980 | 0.977-0.986 |
| Tri | PCB-16/32 | 2.85e+07 | 1.05 | y 27:02 | 1.02 | 338.6 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | 8.74e+05 | 1.05 | y 27:51 | 0.96 | 11.20 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-23 | * | * | n NotF╗ | 0.95 | * | | 1880 | 2.5 | 0.600 | * | 0.958-0.968 |
| Tri | PCB-29 | * | * | n NotF╗ | 0.96 | * | | 1880 | 2.5 | 0.592 | * | 0.966-0.976 |
| Tri | PCB-26 | 1.66e+07 | 1.04 | y 28:24 | 1.00 | 202.7 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 3.95e+06 | 1.04 | y 28:33 | 1.06 | 45.90 | | * | 2.5 | * | 0.984 | 0.980-0.990 |
| Tri | PCB-31 | 2.60e+07 | 1.06 | y 28:54 | 1.10 | 290.6 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 1.83e+07 | 1.04 | y 29:00 | 1.14 | 198.0 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 1.83e+06 | 1.07 | y 29:40 | 1.00 | 22.59 | | * | 2.5 | * | 1.023 | 1.017-1.027 |
| Tri | PCB-22 | 2.12e+06 | 1.07 | y 30:04 | 1.09 | 23.92 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | 6.84e+04 | 1.00 | y 30:41 | 1.15 | 0.7539 | | * | 2.5 | * | 0.934 | 0.929-0.939 |
| Tri | PCB-39 | 3.08e+05 | 1.02 | y 31:09 | 1.07 | 3.648 | | * | 2.5 | * | 0.948 | 0.943-0.953 |
| Tri | PCB-38 | 5.44e+05 | 1.08 | y 31:56 | 1.10 | 6.259 | | * | 2.5 | * | 0.972 | 0.966-0.976 |
| Tri | PCB-35 | 1.33e+05 | 1.13 | y 32:27 | 1.12 | 1.502 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tri | PCB-37 | 4.40e+06 | 1.08 | y 32:53 | 1.11 | 50.02 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 2.22e+06 | 0.79 | y 27:52 | 1.07 | 26.48 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | 3.95e+05 | 0.88 | y 29:02 | 0.87 | 5.772 | | * | 2.5 | * | 1.042 | 1.038-1.048 |
| Tetra | PCB-53 | 1.87e+07 | 0.78 | y 29:42 | 1.01 | 273.9 | | * | 2.5 | * | 0.946 | 0.940-0.950 |
| Tetra | PCB-51 | 3.78e+06 | 0.77 | y 30:02 | 1.10 | 50.84 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 4.92e+06 | 0.80 | y 30:27 | 0.87 | 83.49 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 1.66e+06 | 0.77 | y 30:57 | 0.84 | 29.41 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:

Analyst: JB

Date: 4/12/18

Reviewed by: CT Date: 4/13/18

Client ID: OWS-WAFO-T171026132220 Filename: 180409E2 S:3 Acq:10-APR-18 08:57:40 ConCal: ST180109E2-1 
Lab ID: 1701560-07 CC Column ID: ZB-1 ICal: PCBVG8-2-5-18 wt/vol: 0.936 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 4.16e+07 | 0.79 | y 31:25 | 1.21 | 507.3 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 1.25e+06 | 0.81 | y 31:33 | 1.45 | 12.73 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 2.98e+07 | 0.78 | y 31:44 | 1.01 | 435.0 | | * | 2.5 | * | 1.011 | 1.005-1.015 |
| Tetra | PCB-47 | 1.95e+07 | 0.77 | y 31:56 | 0.91 | 296.5 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | 2.49e+06 | 0.75 | y 32:03 | 1.13 | 30.30 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | 1.41e+05 | 0.84 | y 32:19 | 1.27 | 1.527 | | * | 2.5 | * | 1.013 | 1.007-1.017 |
| Tetra | PCB-62 | * | * | n NotF╗ | 1.10 | * | | 2500 | 2.5 | 0.692 | * | 1.011-1.021 |
| Tetra | PCB-44 | 1.11e+07 | 0.77 | y 32:43 | 0.85 | 179.5 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Tetra | PCB-42/59 | 7.46e+06 | 0.77 | y 32:56 | 1.02 | 100.9 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 2.24e+07 | 0.77 | y 33:32 | 1.17 | 265.4 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 1.03e+06 | 0.76 | y 33:47 | 1.28 | 11.07 | | * | 2.5 | * | 1.058 | 1.054-1.064 |
| Tetra | PCB-40 | 2.24e+06 | 0.77 | y 34:00 | 0.62 | 49.50 | | * | 2.5 | * | 1.065 | 1.060-1.070 |
| Tetra | PCB-57 | 3.22e+05 | 0.83 | y 34:23 | 1.13 | 3.159 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 7.87e+05 | 0.66 | y 34:41 | 1.10 | 7.893 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | 9.39e+04 | 0.87 | y 34:48 | 1.12 | 0.9242 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Tetra | PCB-63 | 1.79e+06 | 0.73 | y 34:57 | 1.00 | 19.81 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Tetra | PCB-74 | 6.22e+06 | 0.77 | y 35:14 | 1.18 | 58.12 | | * | 2.5 | * | 0.994 | 0.989-0.999 |
| Tetra | PCB-61/70 | 1.07e+07 | 0.77 | y 35:26 | 1.03 | 114.8 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Tetra | PCB-76/66 | 1.21e+07 | 0.78 | y 35:39 | 1.13 | 118.4 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | * | * | n NotF╗ | 1.19 | * | | 2500 | 2.5 | 0.555 | * | 0.995-1.005 |
| Tetra | PCB-55 | 2.63e+05 | 0.76 | y 36:09 | 1.16 | 2.535 | | * | 2.5 | * | 1.008 | 1.004-1.014 |
| Tetra | PCB-56/60 | 7.25e+06 | 0.78 | y 36:40 | 1.04 | 77.56 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | 1.70e+05 | 0.72 | y 37:46 | 1.17 | 1.622 | | * | 2.5 | * | 1.053 | 1.047-1.057 |
| Tetra | PCB-78 | 8.42e+04 | 0.86 | y 38:25 | 1.10 | 0.8538 | | * | 2.5 | * | 0.986 | 0.982-0.992 |
| Tetra | PCB-81 | * | * | n NotF╗ | 0.97 | * | | 2500 | 2.5 | 0.695 | * | 0.995-1.005 |
| Tetra | PCB-77 | 1.16e+06 | 0.71 | y 39:33 | 1.08 | 12.54 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | * | * | n NotF╗ | 1.08 | * | | 1830 | 2.5 | 0.830 | * | 0.996-1.006 |
| Penta | PCB-96 | 3.94e+05 | 1.18 | n 33:50 | 1.13 | 5.343 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 3.39e+05 | 1.53 | y 34:23 | 0.91 | 5.729 | | * | 2.5 | * | 1.056 | 1.051-1.061 |
| Penta | PCB-100 | 3.15e+05 | 1.91 | n 34:44 | 0.93 | 5.220 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 5.34e+05 | 1.51 | y 35:13 | 0.91 | 10.65 | | * | 2.5 | * | 0.986 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 8.44e+06 | 1.60 | y 35:44 | 1.17 | 131.4 | | * | 2.5 | * | 1.000 | 0.994-1.004 |
| Penta | PCB-93 | * | * | n NotF╗ | 0.93 | * | | 1830 | 2.5 | 1.20 | * | 0.997-1.007 |
| Penta | PCB-88/91 | 2.60e+06 | 1.53 | y 36:08 | 0.97 | 48.67 | | * | 2.5 | * | 1.012 | 1.005-1.015 |
| Penta | PCB-121 | * | * | n NotF╗ | 1.68 | * | | 1830 | 2.5 | 0.662 | * | 1.009-1.019 |
| Penta | PCB-84/92 | 4.62e+06 | 1.61 | y 37:03 | 0.97 | 85.88 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 1.22e+05 | 1.46 | y 37:13 | 1.06 | 2.073 | | * | 2.5 | * | 0.995 | 0.990-1.000 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-WAPO-T171026132220 Filename: 180409E2 S:3 Acq:10-APR-18 08:57:40 ConCal: ST180409E2-1
Lab ID: 1701560-07 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.936 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 5.90e+06 | 1.66 | y 37:26 | 1.08 | 99.12 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 1.04e+05 | 1.36 | y 37:38 | 1.48 | 1.271 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Penta | PCB-99 | 3.44e+06 | 1.53 | y 37:45 | 1.25 | 49.60 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 3.82e+05 | 1.57 | y 38:13 | 1.70 | 4.573 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Penta | PCB-108/112 | 7.15e+05 | 1.58 | y 38:22 | 1.40 | 10.37 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | * | * | n NotF¶ | 1.75 | * | | 1830 | 2.5 | 0.716 | * | 0.990-1.000 |
| Penta | PCB-97 | 1.64e+06 | 1.60 | y 38:44 | 1.17 | 28.50 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | 6.09e+04 | 1.52 | y 38:52 | 1.08 | 1.147 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-87/117/125 | 2.85e+06 | 1.58 | y 39:01 | 1.55 | 37.39 | | * | 2.5 | * | 1.008 | 1.002-1.012 |
| Penta | PCB-111/115 | 1.69e+05 | 1.57 | y 39:09 | 1.79 | 1.917 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Penta | PCB-85/116 | 1.32e+06 | 1.57 | y 39:16 | 1.29 | 20.79 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | 6.84e+04 | 1.14 | n 39:31 | 1.98 | 0.7027 | | * | 2.5 | * | 1.021 | 1.016-1.026 |
| Penta | PCB-110 | 8.55e+06 | 1.49 | y 39:40 | 1.69 | 103.3 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 5.59e+05 | 1.49 | y 40:17 | 0.81 | 10.87 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 2.38e+05 | 1.60 | y 40:58 | 1.30 | 2.877 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Penta | PCB-107/109 | 5.46e+05 | 1.48 | y 41:08 | 1.31 | 6.516 | | * | 2.5 | * | 0.997 | 0.991-1.001 |
| Penta | PCB-123 | 1.37e+05 | 1.68 | y 41:17 | 1.12 | 1.915 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 4.84e+06 | 1.66 | y 41:28 | 1.18 | 63.02 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-114 | 1.22e+05 | 1.51 | y 42:08 | 1.11 | 1.896 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-122 | 8.06e+04 | 1.38 | y 42:16 | 1.03 | 1.358 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-105 | 1.89e+06 | 1.61 | y 42:58 | 1.12 | 28.60 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-127 | * | * | n NotF¶ | 1.12 | * | | 1430 | 2.5 | 0.676 | * | 0.995-1.005 |
| Penta | PCB-126 | 6.99e+04 | 1.33 | y 45:14 | 1.20 | 0.9823 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-155 | * | * | n NotF¶ | 0.99 | * | | 1170 | 2.5 | 0.554 | * | 0.995-1.005 |
| Hexa | PCB-150 | * | * | n NotF¶ | 1.02 | * | | 1170 | 2.5 | 0.535 | * | 1.030-1.040 |
| Hexa | PCB-152 | * | * | n NotF¶ | 1.16 | * | | 1170 | 2.5 | 0.474 | * | 1.042-1.052 |
| Hexa | PCB-145 | * | * | n NotF¶ | 1.13 | * | | 1170 | 2.5 | 0.486 | * | 1.054-1.064 |
| Hexa | PCB-136 | 8.72e+05 | 1.07 | y 39:28 | 1.02 | 13.41 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | * | * | n NotF¶ | 0.77 | * | | 1170 | 2.5 | 0.709 | * | 1.066-1.076 |
| Hexa | PCB-154 | 1.52e+05 | 1.12 | y 40:05 | 0.88 | 2.725 | | * | 2.5 | * | 1.085 | 1.079-1.089 |
| Hexa | PCB-151 | 1.02e+06 | 1.29 | y 40:42 | 0.75 | 21.33 | | * | 2.5 | * | 1.101 | 1.095-1.107 |
| Hexa | PCB-135 | 6.21e+05 | 1.11 | y 40:56 | 0.86 | 11.36 | | * | 2.5 | * | 1.108 | 1.101-1.113 |
| Hexa | PCB-144 | 6.99e+04 | 1.36 | y 41:03 | 0.77 | 1.436 | | * | 2.5 | * | 1.111 | 1.105-1.116 |
| Hexa | PCB-147 | 2.08e+05 | 1.40 | y 41:09 | 0.80 | 4.069 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 2.32e+06 | 1.19 | y 41:25 | 0.88 | 41.54 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | 4.99e+04 | 1.42 | y 41:37 | 0.77 | 1.020 | | * | 2.5 | * | 1.126 | 1.120-1.132 |
| Hexa | PCB-134/143 | 3.15e+05 | 1.11 | y 42:04 | 0.76 | 6.183 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-WAFO-T171026132220 Filename: 180409E2 S:3 Acq:10-APR-18 08:57:40 ConCal: ST180409E2-1 
Lab ID: 1701560-07 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.936 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 2.96e+05 | 1.38 | y 42:21 | 0.82 | 5.427 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Hexa | PCB-142 | * | * | n NotF | 0.73 | * | | 1340 | 2.5 | 0.833 | * | 0.981-0.991 |
| Hexa | PCB-146/165 | 8.01e+05 | 1.41 | y 42:45 | 1.02 | 11.77 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Hexa | PCB-132/161 | 1.09e+06 | 1.20 | y 43:00 | 1.00 | 16.34 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 3.00e+06 | 1.18 | y 43:09 | 1.08 | 41.76 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-168 | * | * | n NotF | 1.12 | * | | 1340 | 2.5 | 0.546 | * | 1.000-1.010 |
| Hexa | PCB-141 | 3.80e+05 | 1.26 | y 43:53 | 1.02 | 6.458 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 2.07e+05 | 1.10 | y 44:16 | 1.10 | 3.246 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Hexa | PCB-130 | 2.38e+05 | 1.30 | y 44:22 | 0.81 | 5.098 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 4.50e+06 | 1.23 | y 44:45 | 1.23 | 58.27 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | 3.60e+05 | 1.18 | y 44:58 | 1.18 | 4.875 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 1.13e+05 | 1.83 | n 45:13 | 0.78 | 2.304 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Hexa | PCB-166 | * | * | n NotF | 1.13 | * | | 1340 | 2.5 | 0.453 | * | 0.988-0.998 |
| Hexa | PCB-159 | 6.22e+04 | 1.10 | y 46:03 | 1.16 | 0.7005 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-128/162 | 5.66e+05 | 1.46 | n 46:16 | 0.89 | 8.268 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Hexa | PCB-167 | 1.47e+05 | 1.36 | y 46:42 | 1.02 | 1.871 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-156 | 3.95e+05 | 1.13 | y 47:58 | 1.06 | 4.893 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 1.06e+05 | 0.93 | n 48:14 | 1.02 | 1.369 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | * | * | n NotF | 1.13 | * | | 1340 | 2.5 | 0.477 | * | 0.995-1.005 |
| Hepta | PCB-188 | * | * | n NotF | 1.37 | * | | 1080 | 2.5 | 0.280 | * | 0.995-1.005 |
| Hepta | PCB-184 | * | * | n NotF | 1.32 | * | | 1080 | 2.5 | 0.291 | * | 1.006-1.016 |
| Hepta | PCB-179 | 4.47e+05 | 1.12 | y 44:00 | 1.38 | 6.065 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | 8.69e+04 | 0.95 | y 44:28 | 1.31 | 1.248 | | * | 2.5 | * | 1.040 | 1.035-1.045 |
| Hepta | PCB-186 | * | * | n NotF | 1.42 | * | | 1080 | 2.5 | 0.270 | * | 1.049-1.059 |
| Hepta | PCB-178 | 3.38e+05 | 0.95 | y 45:33 | 0.97 | 6.542 | | * | 2.5 | * | 1.065 | 1.060-1.070 |
| Hepta | PCB-175 | * | * | n NotF | 1.00 | * | | 1080 | 2.5 | 0.385 | * | 1.069-1.079 |
| Hepta | PCB-182/187 | 1.05e+06 | 1.01 | y 46:03 | 1.14 | 17.19 | | * | 2.5 | * | 1.077 | 1.072-1.082 |
| Hepta | PCB-183 | 2.01e+05 | 0.93 | y 46:24 | 1.13 | 3.347 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | 6.15e+04 | 1.20 | y 47:04 | 1.36 | 1.090 | | * | 2.5 | * | 0.956 | 0.950-0.960 |
| Hepta | PCB-174 | 4.40e+05 | 1.05 | y 47:26 | 1.42 | 7.479 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | * | * | n NotF | 1.48 | * | | 1080 | 2.5 | 0.322 | * | 0.960-0.970 |
| Hepta | PCB-177 | 3.75e+05 | 0.95 | y 47:41 | 1.33 | 6.793 | | * | 2.5 | * | 0.968 | 0.963-0.973 |
| Hepta | PCB-171 | 9.54e+04 | 0.83 | n 47:59 | 1.37 | 1.673 | | * | 2.5 | * | 0.974 | 0.969-0.979 |
| Hepta | PCB-173 | * | * | n NotF | 1.27 | * | | 1080 | 2.5 | 0.375 | * | 0.978-0.988 |
| Hepta | PCB-172 | 8.98e+04 | 0.99 | y 48:52 | 1.39 | 1.557 | | * | 2.5 | * | 0.992 | 0.987-0.997 |
| Hepta | PCB-192 | * | * | n NotF | 1.80 | * | | 1080 | 2.5 | 0.263 | * | 0.991-1.001 |
| Hepta | PCB-180 | 8.59e+05 | 1.06 | y 49:17 | 1.52 | 13.61 | | * | 2.5 | * | 1.001 | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: GWS-WAFO-T171026132220 Filename: 180409E2 S:3 Acq:10-APR-18 08:57:40 ConCal: ST180409E2-1
Lab ID: 1701560-07 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.936 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | 5.65e+04 | 1.61 | n 49:28 | 1.71 | 0.7939 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-191 | * | * | n NotF╗ | 1.74 | * | | 1080 | 2.5 | 0.273 | * | 1.005-1.015 |
| Hepta | PCB-170 | 4.10e+05 | 1.18 | y 50:51 | 1.44 | 7.857 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-190 | 1.26e+05 | 0.82 | n 51:03 | 1.95 | 1.769 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | * | * | n NotF╗ | 1.46 | * | | 1080 | 2.5 | 0.242 | * | 0.995-1.005 |
| Octa | PCB-202 | 2.12e+05 | 0.93 | y 48:12 | 1.06 | 3.303 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-201 | 5.83e+04 | 0.66 | n 48:41 | 0.98 | 0.9841 | | * | 2.5 | * | 1.010 | 1.006-1.016 |
| Octa | PCB-204 | * | * | n NotF╗ | 1.07 | * | | 1430 | 2.5 | 0.543 | * | 1.009-1.019 |
| Octa | PCB-197 | * | * | n NotF╗ | 1.10 | * | | 1430 | 2.5 | 0.529 | * | 1.015-1.025 |
| Octa | PCB-200 | 6.97e+04 | 0.94 | y 50:03 | 1.04 | 1.104 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Octa | PCB-198 | * | * | n NotF╗ | 0.84 | * | | 1430 | 2.5 | 0.690 | * | 1.065-1.075 |
| Octa | PCB-199 | 3.97e+05 | 0.85 | y 51:38 | 0.80 | 8.203 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 3.15e+05 | 0.73 | n 51:55 | 0.84 | 6.182 | | * | 2.5 | * | 1.077 | 1.072-1.082 |
| Octa | PCB-195 | 8.25e+04 | 0.66 | n 53:08 | 1.04 | 1.971 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 2.02e+05 | 0.90 | y 54:01 | 1.16 | 4.322 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | * | * | n NotF╗ | 1.33 | * | | 1170 | 2.5 | 0.368 | * | 1.000-1.010 |
| Nona | PCB-208 | 1.32e+05 | 1.63 | n 53:18 | 0.90 | 2.488 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | 2.73e+04 | 2.54 | n 53:36 | 0.89 | 0.5199 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Nona | PCB-206 | 2.58e+05 | 1.20 | y 55:35 | 0.88 | 6.119 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 1.88e+05 | 1.11 | y 56:52 | 1.04 | 3.579 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/11/18

Client ID: OWS-WAFO-T171026132220 Filename: 180409E2 S:3 Acq:10-APR-18 08:57:40 ConCal: ST180409E2-1
Lab ID: 1701560-07 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 0.936 EndCAL: NA

| Name | Resp | RA | RT | RRF | Conc | |
|---|---|---|---|---|---|---|
| Total Mono-PCB | 7.96e+06 | 3.07 y | 15:59 | 1.06 | 115.905 | |
| Total Di-PCB | 5.46e+08 | 1.57 y | 19:59 | 1.04 | 10347.8 | |
| Total Tri-PCB | 2.53e+08 | 1.04 y | 24:07 | 1.15 | 3433.07 | |
| Total Tri-PCB | 7.51e+07 | 1.05 y | 27:51 | 1.05 | 857.055 | Sum:4290.13 |
| Total Tetra-PCB | 2.12e+08 | 0.79 y | 27:52 | 1.06 | 2777.81 | |
| Total Penta-PCB | 4.81e+07 | 1.53 y | 34:23 | 1.18 | 727.631 | |
| Total Penta-PCB | 2.16e+06 | 1.51 y | 42:08 | 1.12 | 32.8319 | Sum:760.463 |
| Total Hexa-PCB | 5.32e+06 | 1.07 y | 39:28 | 0.91 | 96.8807 | |
| Total Hexa-PCB | 1.18e+07 | 1.11 y | 42:04 | 1.00 | 166.889 | Sum:263.769 |
| Total Hepta-PCB | 4.35e+06 | 1.12 y | 44:00 | 1.35 | 72.7833 | |
| Total Octa-PCB | 6.79e+05 | 0.93 y | 48:12 | 0.95 | 12.6101 | |
| Total Octa-PCB | 2.02e+05 | 0.90 y | 54:01 | 1.17 | 4.32246 | Sum:16.9326 |
| Total Nona-PCB | 2.58e+05 | 1.20 y | 55:35 | 0.89 | 6.11926 | |
| Total Deca-PCB | 1.88e+05 | 1.11 y | 56:52 | 1.04 | 3.57865 | |

Total PCB Conc:18694.8902070

Integrations by Analyst: DB

Date: 4/12/18

Client ID: OWS-WAFO-T171026132220 Filename: 180409E2 S:3 Acq:10-APR-18 08:57:40 ConCal: ST180409E2-1
Lab ID: 1701560-07 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:0.93f1 EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 1.36e+08 | 3.14 y | 1.13 | 15:59 | 0.619 | 0.616 | 0.622 | 1250 | 58.6 |
| 13C-PCB-3 | 1.44e+08 | 3.20 y | 1.21 | 18:36 | 0.720 | 0.716 | 0.724 | 1250 | 58.3 |
| 13C-PCB-4 | 8.96e+07 | 1.54 y | 0.59 | 19:56 | 0.772 | 0.769 | 0.777 | 1580 | 73.8 |
| 13C-PCB-9 | 1.54e+08 | 1.54 y | 0.94 | 21:44 | 0.841 | 0.837 | 0.845 | 1710 | 79.8 |
| 13C-PCB-11 | 1.70e+08 | 1.52 y | 0.95 | 25:08 | 0.973 | 0.968 | 0.978 | 1870 | 87.6 |
| 13C-PCB-19 | 1.16e+08 | 1.05 y | 0.62 | 24:06 | 0.933 | 0.928 | 0.938 | 1950 | 91.3 |
| 13C-PCB-28 | 1.74e+08 | 1.05 y | 1.05 | 29:00 | 1.004 | 0.999 | 1.009 | 1870 | 87.7 |
| 13C-PCB-32 | 1.76e+08 | 1.05 y | 0.91 | 27:02 | 1.046 | 1.041 | 1.051 | 2020 | 94.6 |
| 13C-PCB-37 | 1.69e+08 | 1.06 y | 1.02 | 32:52 | 1.138 | 1.132 | 1.144 | 1870 | 87.5 |
| 13C-PCB-47 | 1.55e+08 | 0.80 y | 0.83 | 31:55 | 0.870 | 0.867 | 0.875 | 1890 | 88.6 |
| 13C-PCB-52 | 1.45e+08 | 0.77 y | 0.76 | 31:24 | 0.856 | 0.853 | 0.861 | 1930 | 90.2 |
| 13C-PCB-54 | 1.67e+08 | 0.80 y | 0.93 | 27:51 | 0.760 | 0.756 | 0.764 | 1830 | 85.8 |
| 13C-PCB-70 | 1.93e+08 | 0.79 y | 1.00 | 35:26 | 0.966 | 0.961 | 0.971 | 1970 | 92.3 |
| 13C-PCB-77 | 1.82e+08 | 0.80 y | 0.96 | 39:33 | 1.079 | 1.073 | 1.083 | 1930 | 90.5 |
| 13C-PCB-80 | 1.92e+08 | 0.80 y | 1.00 | 35:51 | 0.978 | 0.973 | 0.983 | 1960 | 91.7 |
| 13C-PCB-81 | 1.91e+08 | 0.80 y | 1.01 | 38:57 | 1.062 | 1.057 | 1.067 | 1930 | 90.3 |
| 13C-PCB-95 | 1.17e+08 | 1.60 y | 0.80 | 35:43 | 0.912 | 0.908 | 0.918 | 1970 | 92.3 |
| 13C-PCB-97 | 1.05e+08 | 1.58 y | 0.70 | 38:43 | 0.989 | 0.984 | 0.994 | 2020 | 94.6 |
| 13C-PCB-101 | 1.18e+08 | 1.57 y | 0.80 | 37:25 | 0.956 | 0.951 | 0.961 | 1990 | 93.2 |
| 13C-PCB-104 | 1.39e+08 | 1.59 y | 1.01 | 32:34 | 0.832 | 0.828 | 0.836 | 1870 | 87.5 |
| 13C-PCB-105 | 1.26e+08 | 1.59 y | 1.14 | 42:58 | 0.929 | 0.924 | 0.934 | 1850 | 86.6 |
| 13C-PCB-114 | 1.23e+08 | 1.58 y | 1.18 | 42:06 | 0.910 | 0.905 | 0.915 | 1750 | 82.1 |
| 13C-PCB-118 | 1.39e+08 | 1.61 y | 1.00 | 41:28 | 1.059 | 1.054 | 1.064 | 1890 | 88.4 |
| 13C-PCB-123 | 1.36e+08 | 1.59 y | 0.95 | 41:16 | 1.054 | 1.049 | 1.059 | 1950 | 91.2 |
| 13C-PCB-126 | 1.27e+08 | 1.59 y | 1.14 | 45:12 | 0.977 | 0.972 | 0.982 | 1870 | 87.7 |
| 13C-PCB-127 | 1.36e+08 | 1.54 y | 1.24 | 43:19 | 0.937 | 0.931 | 0.941 | 1850 | 86.4 |
| 13C-PCB-138 | 1.34e+08 | 1.29 y | 1.17 | 44:42 | 0.966 | 0.962 | 0.972 | 1910 | 89.6 |
| 13C-PCB-141 | 1.24e+08 | 1.28 y | 1.11 | 43:52 | 0.948 | 0.944 | 0.954 | 1880 | 87.9 |
| 13C-PCB-153 | 1.43e+08 | 1.27 y | 1.34 | 43:08 | 0.933 | 0.928 | 0.938 | 1800 | 84.1 |
| 13C-PCB-155 | 1.36e+08 | 1.28 y | 0.83 | 36:57 | 0.944 | 0.939 | 0.949 | 2220 | 104 |
| 13C-PCB-156 | 1.62e+08 | 1.27 y | 1.38 | 47:58 | 1.037 | 1.032 | 1.042 | 1970 | 92.2 |
| 13C-PCB-157 | 1.62e+08 | 1.26 y | 1.37 | 48:14 | 1.043 | 1.037 | 1.047 | 1980 | 92.8 |
| 13C-PCB-159 | 1.64e+08 | 1.28 y | 1.39 | 46:00 | 0.995 | 0.989 | 0.999 | 1990 | 93.0 |
| 13C-PCB-167 | 1.64e+08 | 1.27 y | 1.40 | 46:40 | 1.009 | 1.004 | 1.014 | 1970 | 92.3 |
| 13C-PCB-169 | 1.59e+08 | 1.27 y | 1.39 | 50:26 | 1.090 | 1.085 | 1.095 | 1920 | 90.0 |
| 13C-PCB-170 | 7.77e+07 | 0.46 y | 0.86 | 50:50 | 1.103 | 1.097 | 1.109 | 2050 | 95.9 |
| 13C-PCB-180 | 8.89e+07 | 0.46 y | 0.98 | 49:15 | 1.069 | 1.064 | 1.074 | 2060 | 96.5 |
| 13C-PCB-188 | 1.14e+08 | 0.45 y | 1.40 | 42:46 | 0.928 | 0.923 | 0.933 | 1840 | 86.2 |
| 13C-PCB-189 | 1.03e+08 | 0.44 y | 1.15 | 52:28 | 1.139 | 1.132 | 1.144 | 2040 | 95.3 |
| 13C-PCB-194 | 8.64e+07 | 0.90 y | 0.77 | 54:01 | 0.995 | 0.990 | 1.000 | 1930 | 90.3 |
| 13C-PCB-202 | 1.30e+08 | 0.91 y | 1.28 | 48:11 | 1.046 | 1.040 | 1.050 | 2290 | 107 |
| 13C-PCB-206 | 1.02e+08 | 0.78 y | 0.81 | 55:34 | 1.024 | 1.019 | 1.029 | 2170 | 102 |
| 13C-PCB-208 | 1.26e+08 | 0.76 y | 1.09 | 53:17 | 0.982 | 0.977 | 0.987 | 1990 | 93.1 |
| 13C-PCB-209 | 1.08e+08 | 1.21 y | 0.74 | 56:52 | 1.048 | 1.043 | 1.053 | 2520 | 118 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 2.18e+08 | 0.78 y | 1.03 | 37:44 | 1.029 | 1.024 | 1.034 | 2150 | 101 |
| 13C-PCB-178 | 8.88e+07 | 0.45 y | 0.93 | 45:33 | 0.985 | 0.980 | 0.990 | 2170 | 102 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 2.18e+08 | 0.78 y | 1.03 | 37:44 | 0.969 | 0.963 | 0.973 | 2380 | 111 |
| 13C-PCB-178 | 8.88e+07 | 0.45 y | 0.95 | 45:33 | 0.925 | 0.920 | 0.930 | 2250 | 105 |

RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 2.04e+08 | 1.53 y | 1.00 | 25:50 | 2140 |
| 13C-PCB-31 | 1.89e+08 | 1.05 y | 1.00 | 28:53 | 2140 |
| 13C-PCB-60 | 2.09e+08 | 0.80 y | 1.00 | 36:40 | 2140 |
| 13C-PCB-111 | 1.58e+08 | 1.61 y | 1.00 | 39:09 | 2140 |
| 13C-PCB-128 | 1.27e+08 | 1.27 y | 1.00 | 46:15 | 2140 |
| 13C-PCB-182 | 9.44e+07 | 0.46 y | 1.00 | 46:05 | 2140 |
| 13C-PCB-205 | 1.24e+08 | 0.90 y | 1.00 | 54:17 | 2140 |

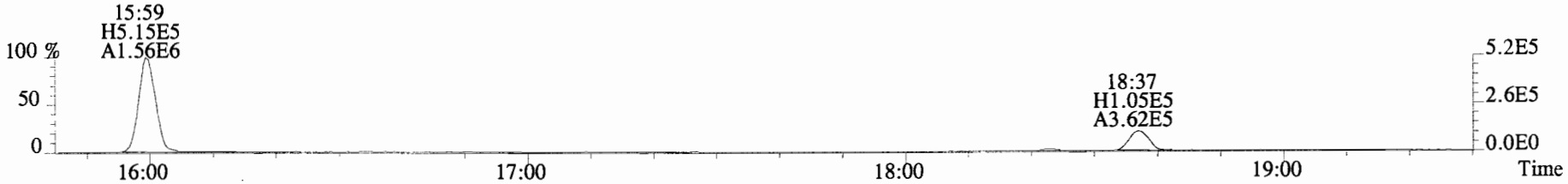
Analyst: DB

Date: 4/11/18

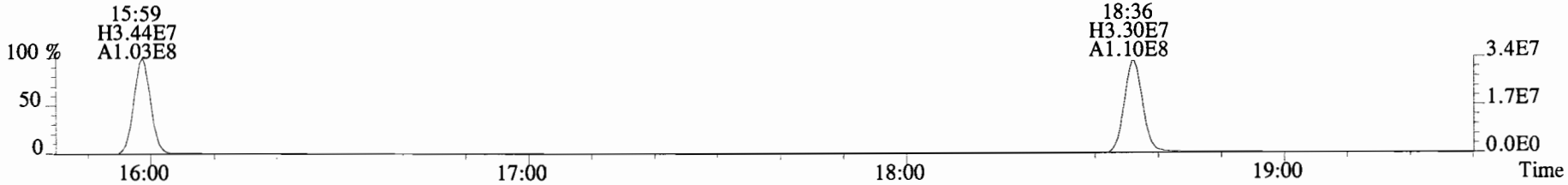
File:180409E2 #1-867 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1

188.0393 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6144.0,0.00%,F,F)

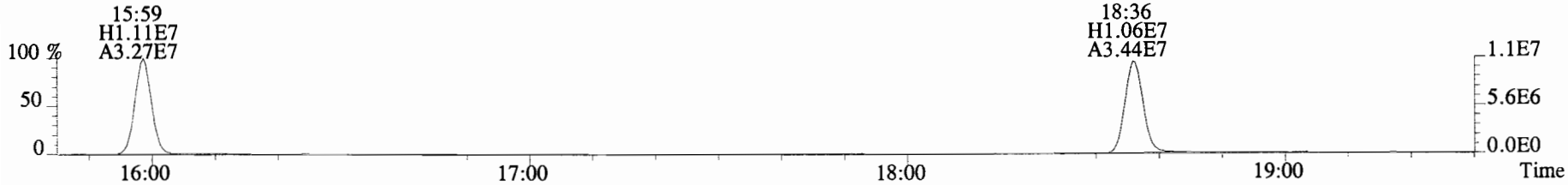
190.0363 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4144.0,0.00%,F,F)



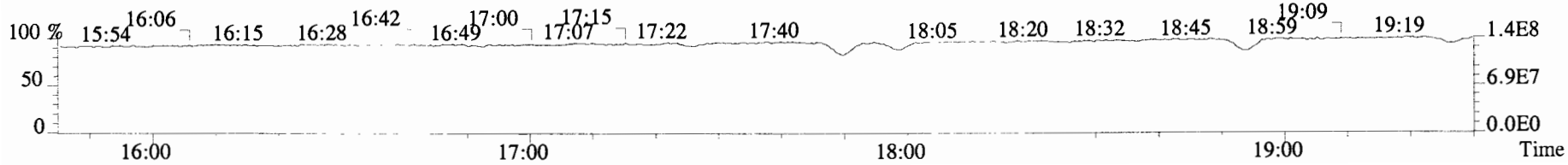

200.0795 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5784.0,0.00%,F,F)



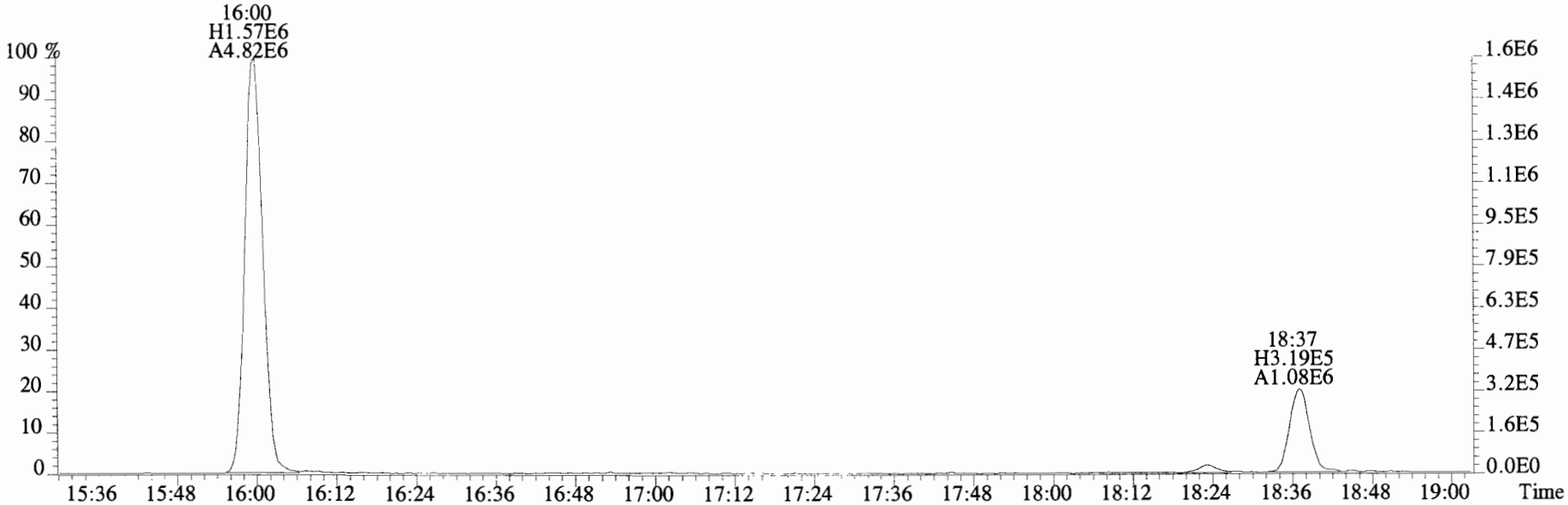

202.0766 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28384.0,0.00%,F,F)



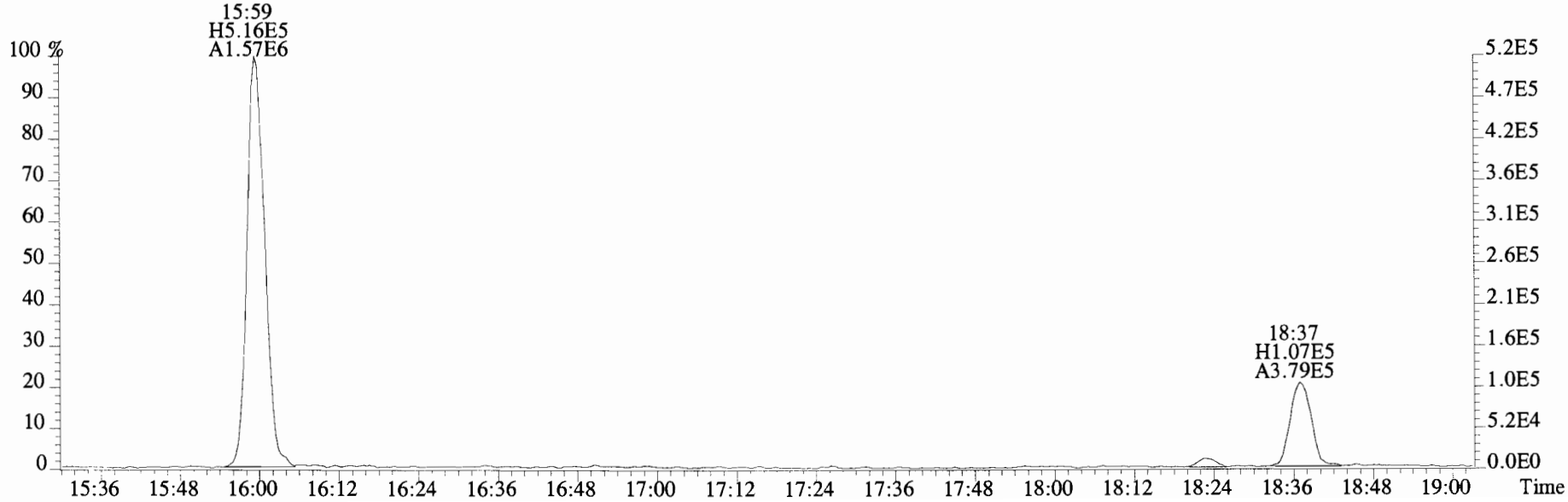

180.9880 S:3



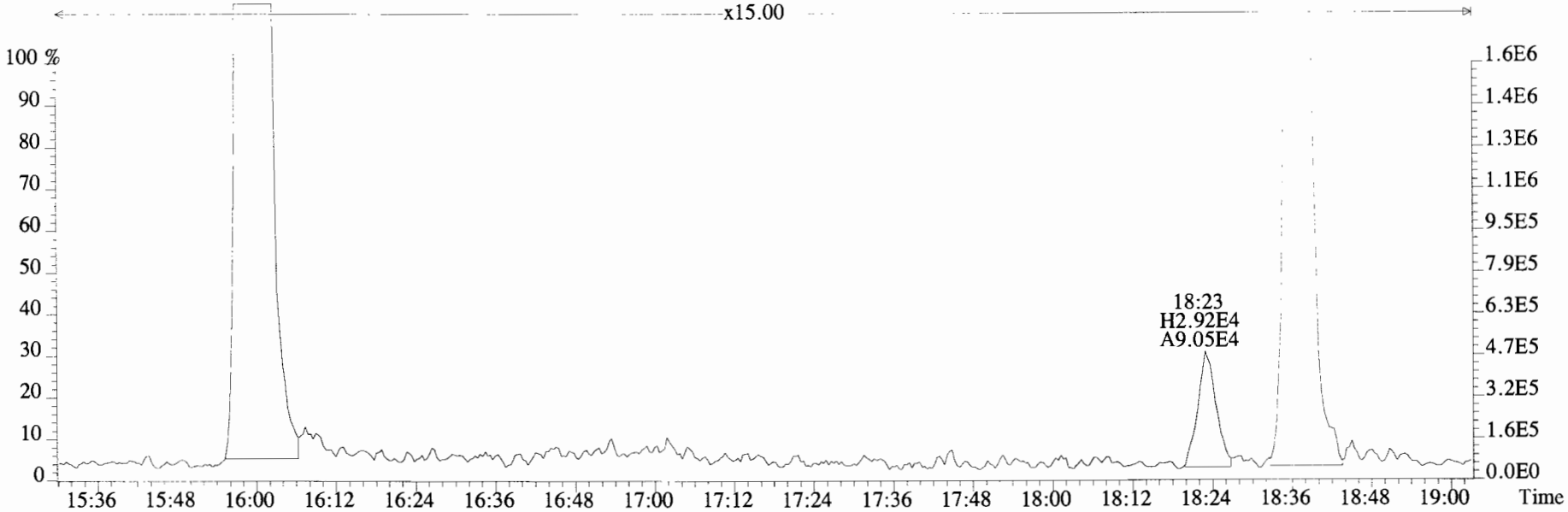
File:180409E2 #1-867 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
188.0393 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6144.0,0.00%,F,F)



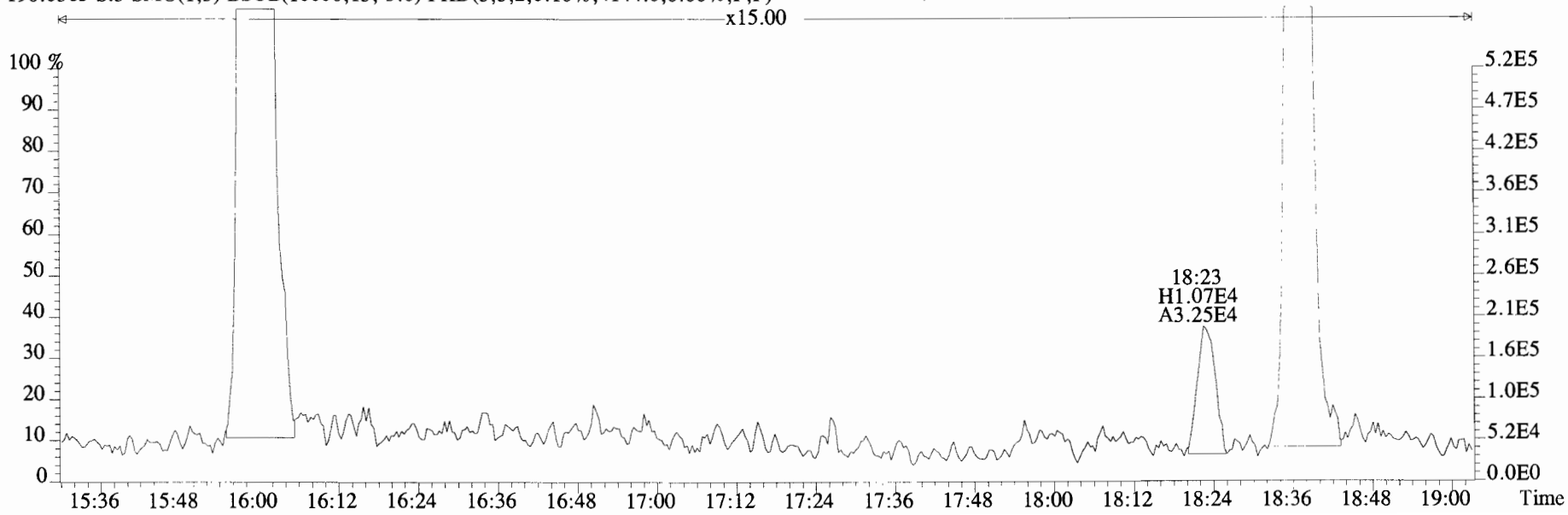

190.0363 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4144.0,0.00%,F,F)



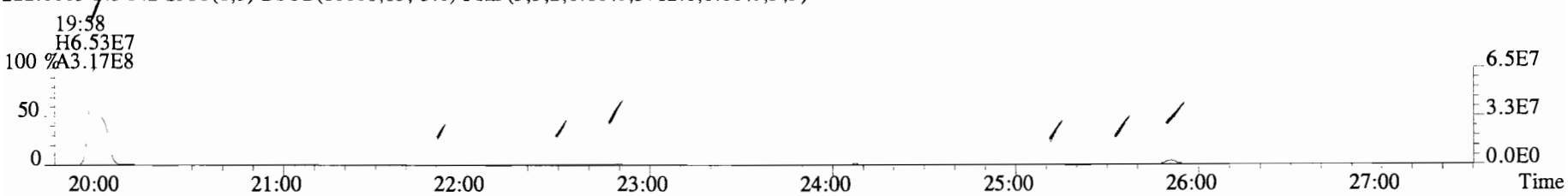
File:180409E2 #1-867 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
188.0393 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6144.0,0.00%,F,F)



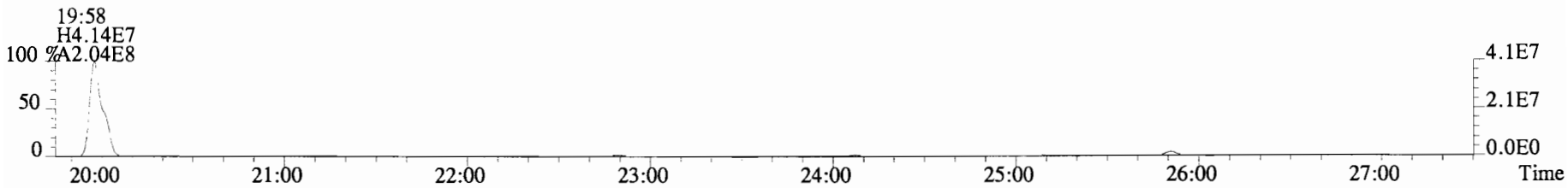

190.0363 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4144.0,0.00%,F,F)



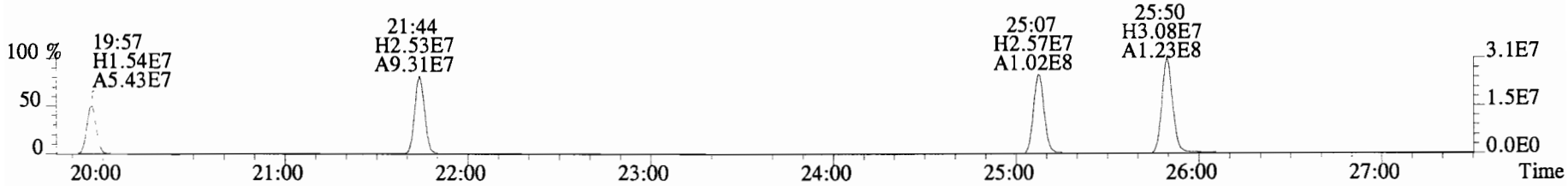
File:180409E2 #1-757 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
222.0003 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5712.0,0.00%,F,F)



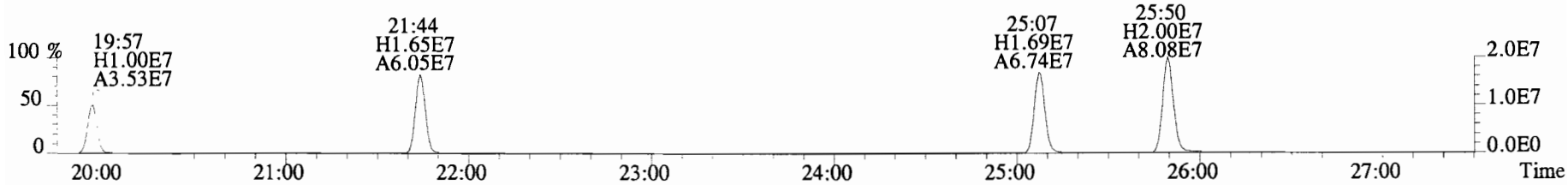

223.9974 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40712.0,0.00%,F,F)



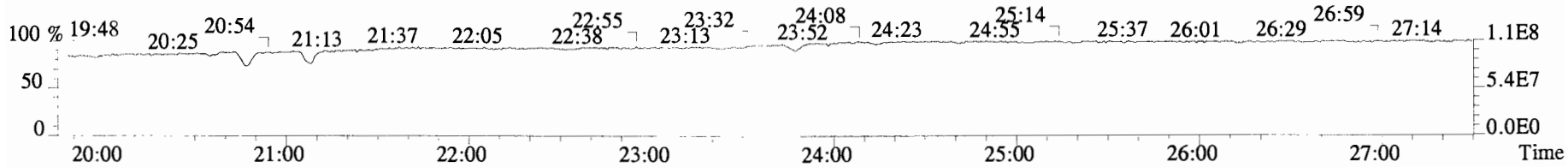

234.0406 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4608.0,0.00%,F,F)



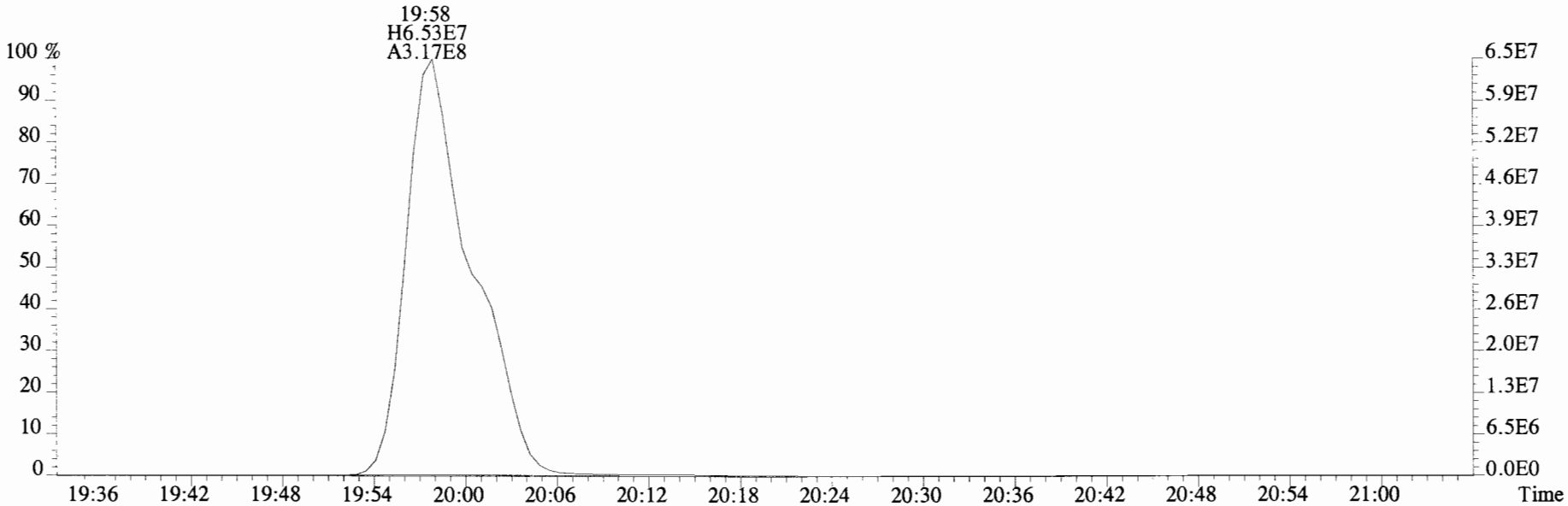

236.0376 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3776.0,0.00%,F,F)



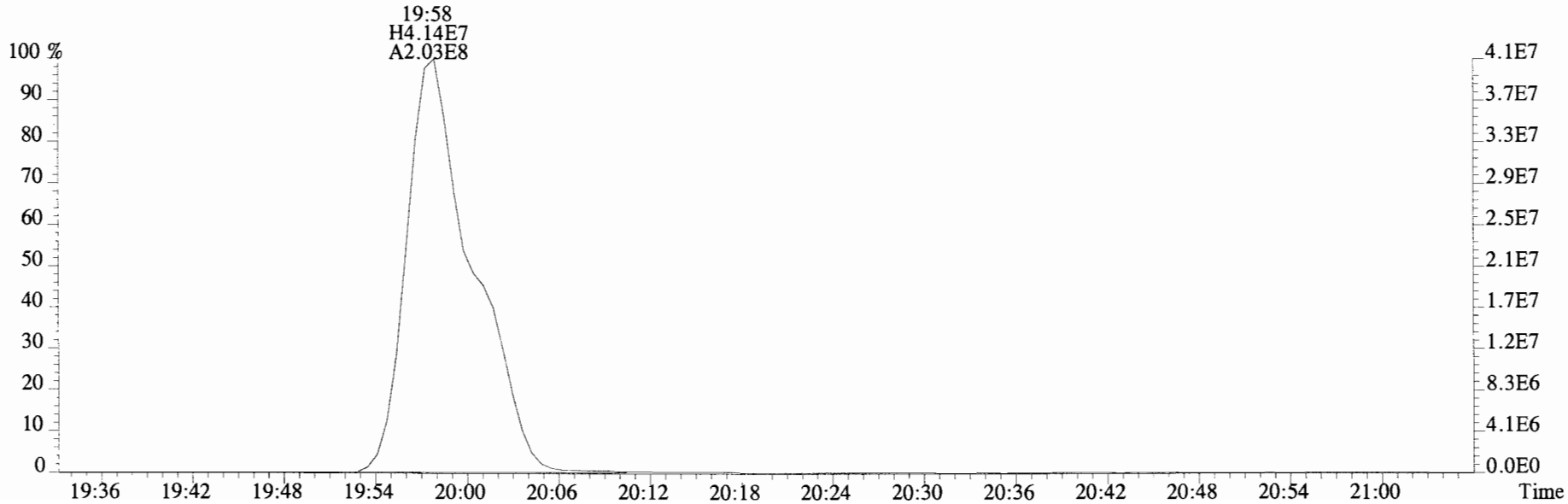

230.9856 S:3 F:2



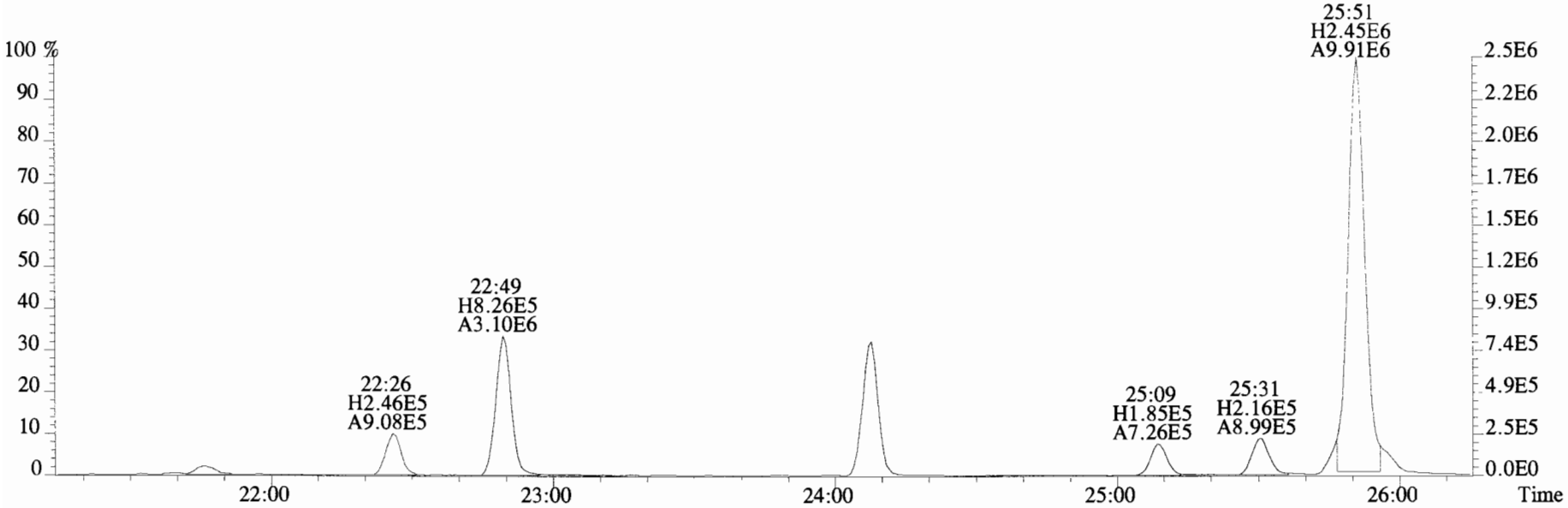
File:180409E2 #1-757 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
222.0003 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5712.0,0.00%,F,F)



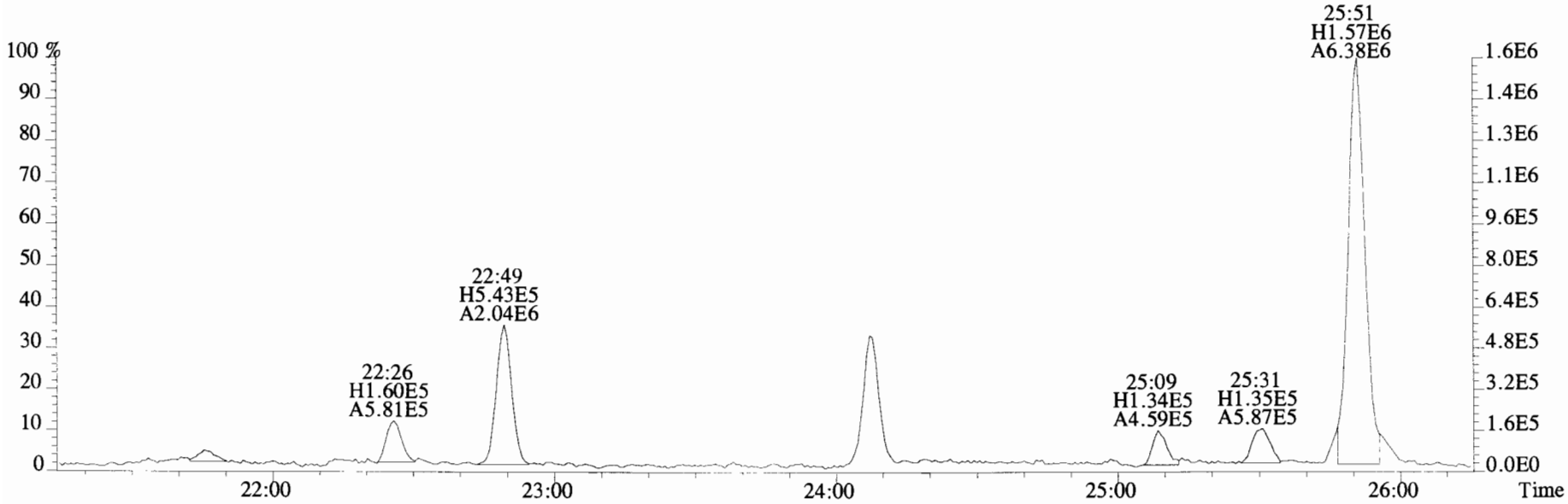

223.9974 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40712.0,0.00%,F,F)



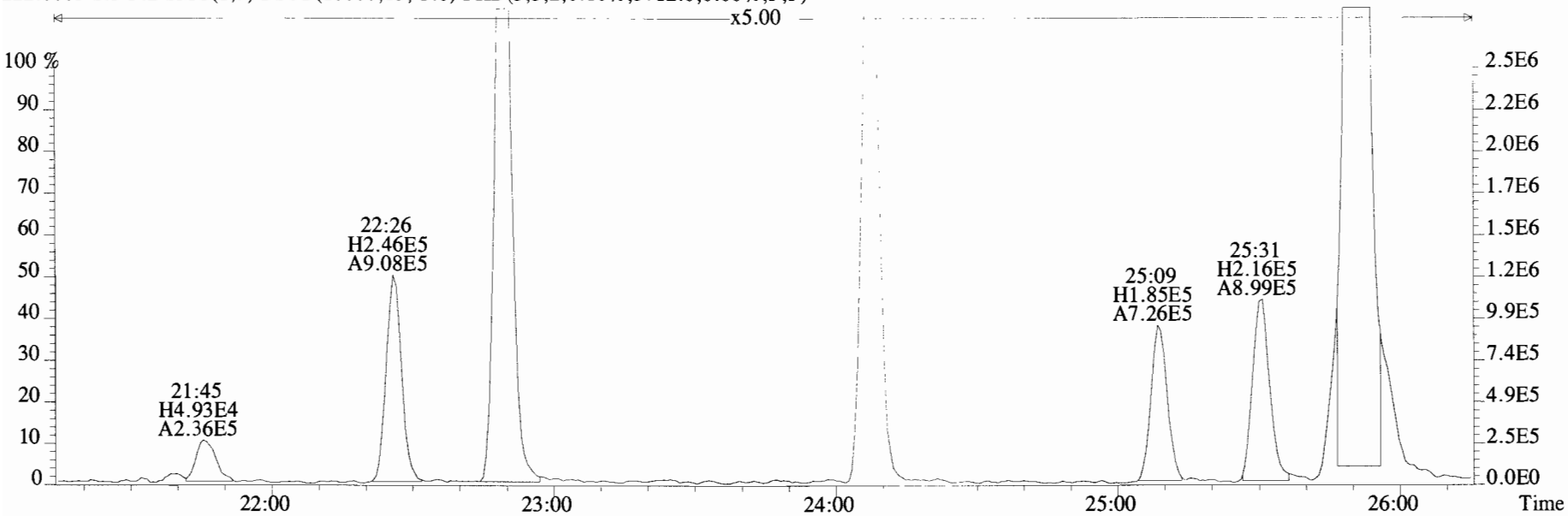
File:180409E2 #1-757 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
222.0003 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5712.0,0.00%,F,F)



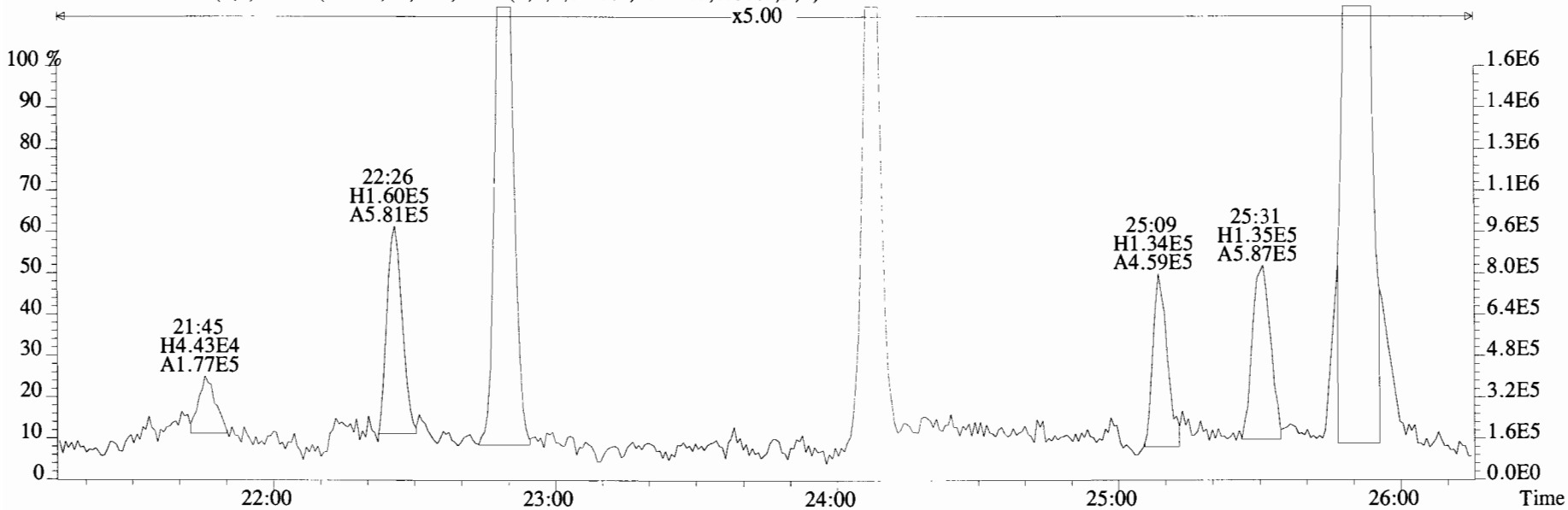

223.9974 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40712.0,0.00%,F,F)



File:180409E2 #1-757 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
222.0003 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5712.0,0.00%,F,F)

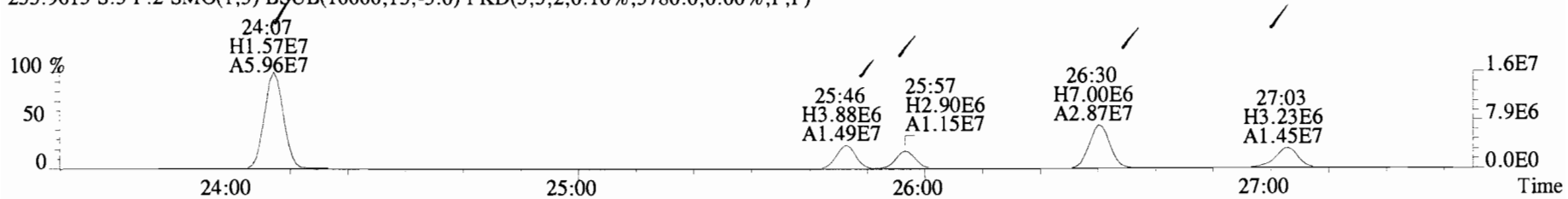



223.9974 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40712.0,0.00%,F,F)

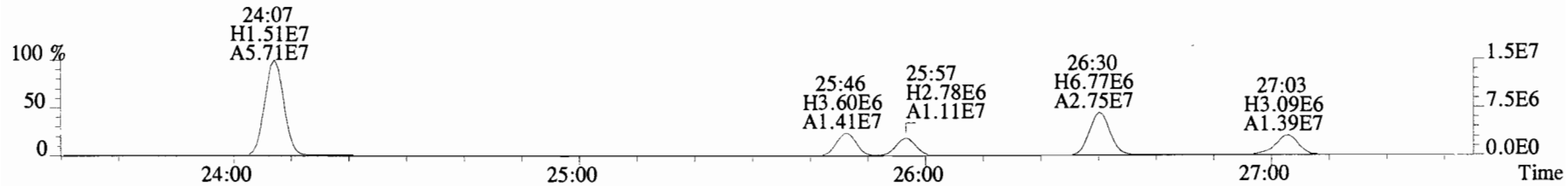


File:180409E2 #1-757 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1

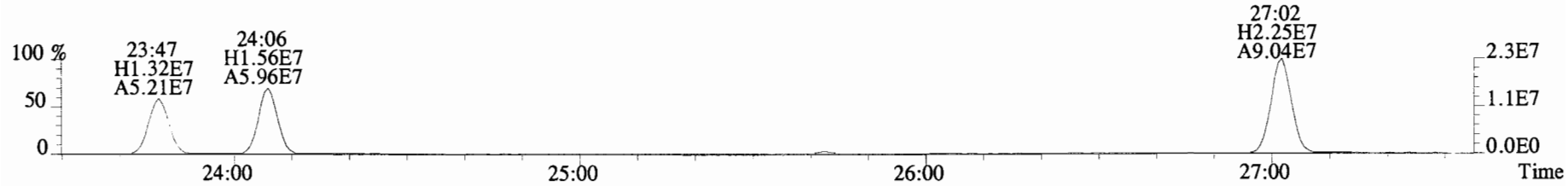
255.9613 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3780.0,0.00%,F,F)



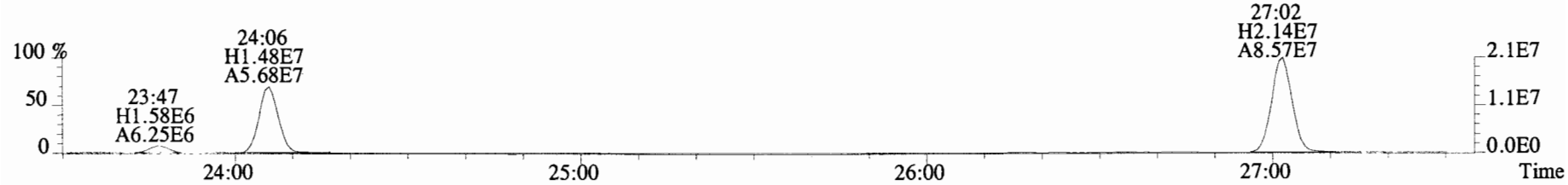

257.9584 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2428.0,0.00%,F,F)



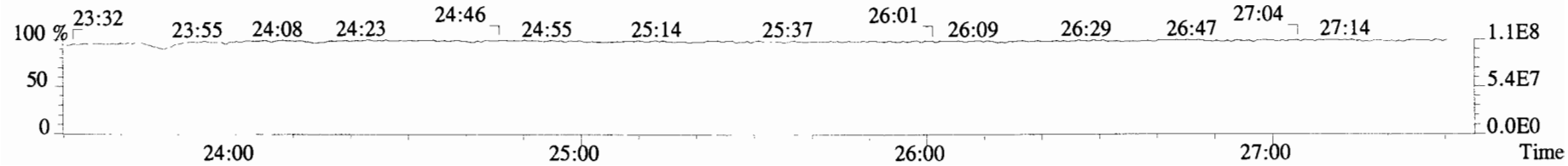

268.0016 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,98452.0,0.00%,F,F)



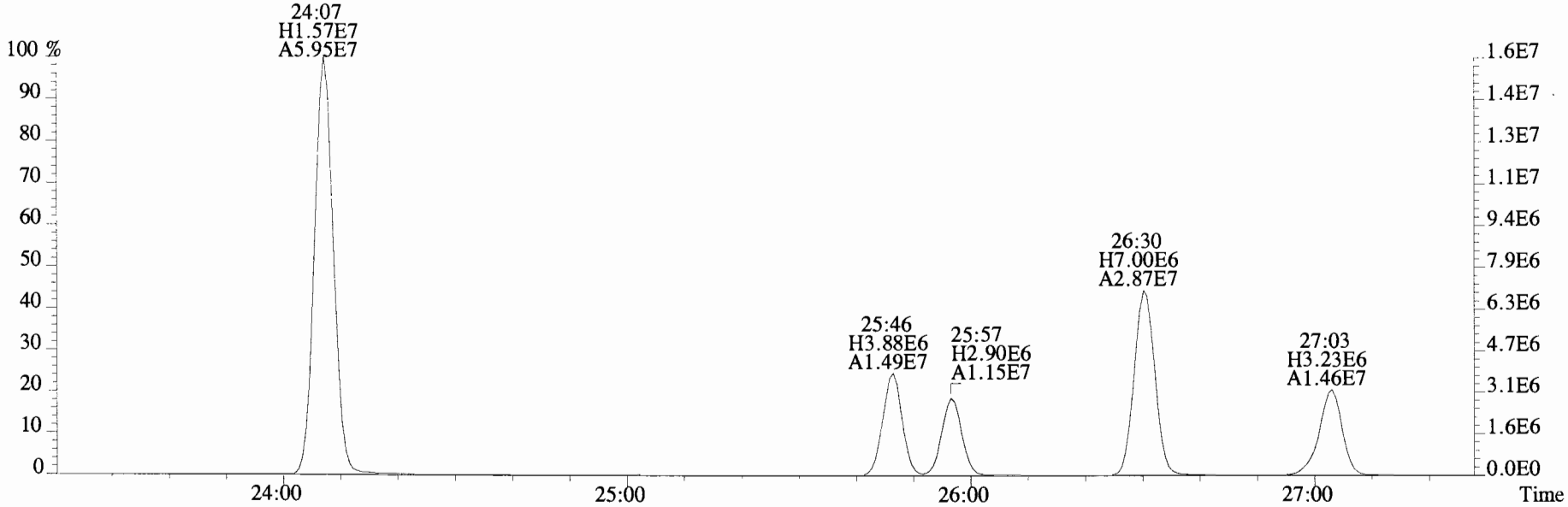

269.9986 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,148000.0,0.00%,F,F)



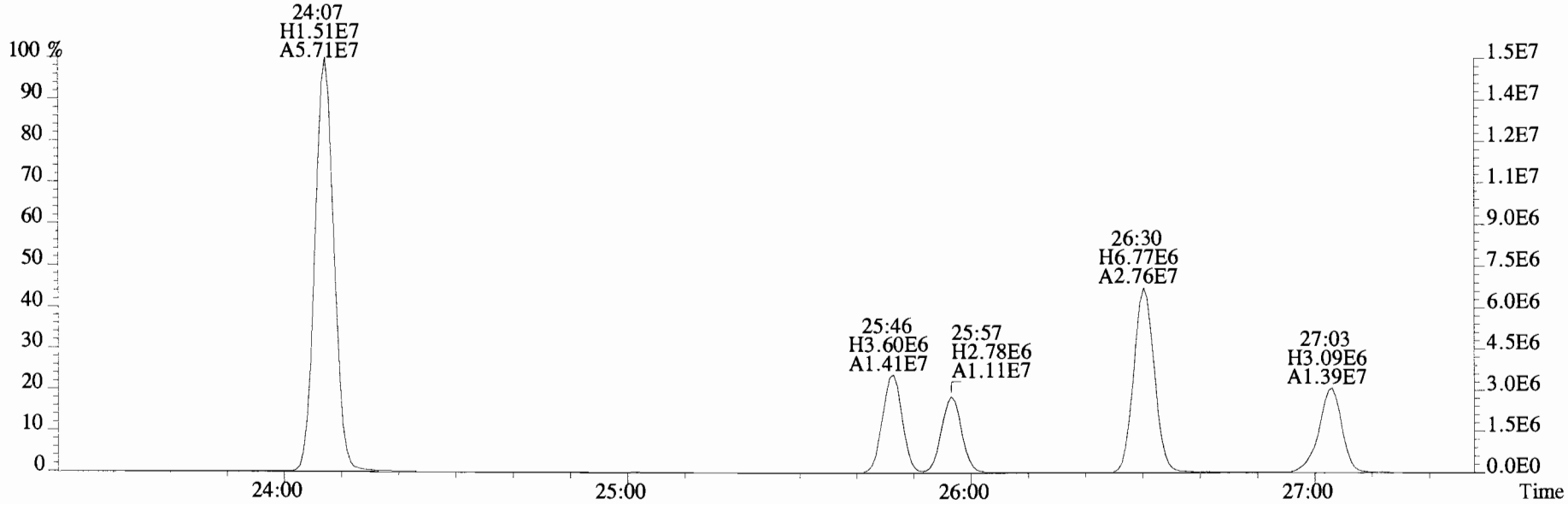

230.9856 S:3 F:2



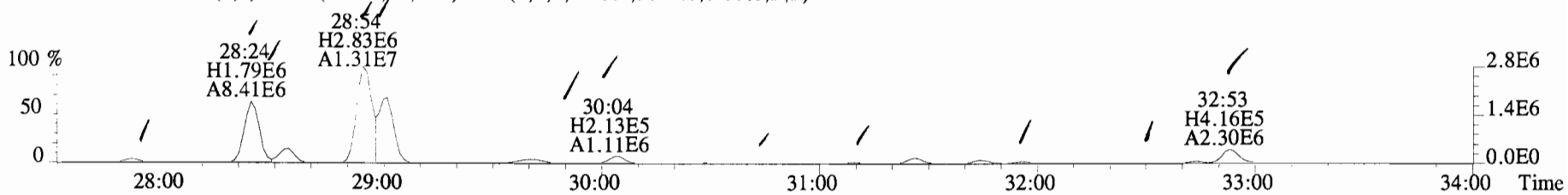
File:180409E2 #1-757 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
255.9613 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3780.0,0.00%,F,F)



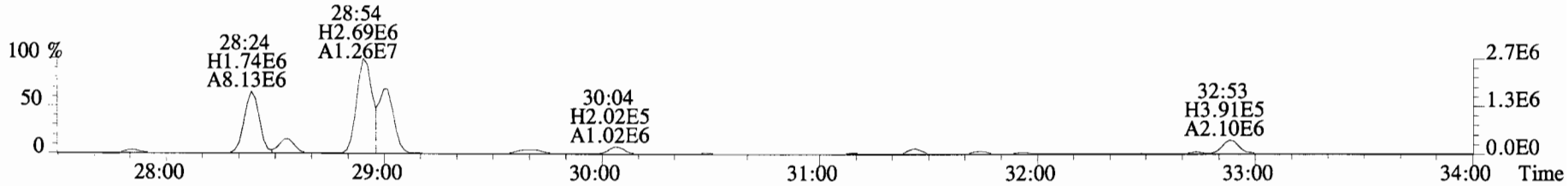

257.9584 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2428.0,0.00%,F,F)



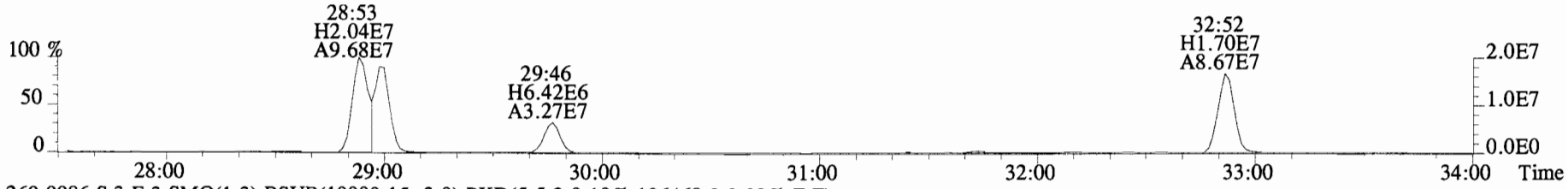
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3092.0,0.00%,F,F)



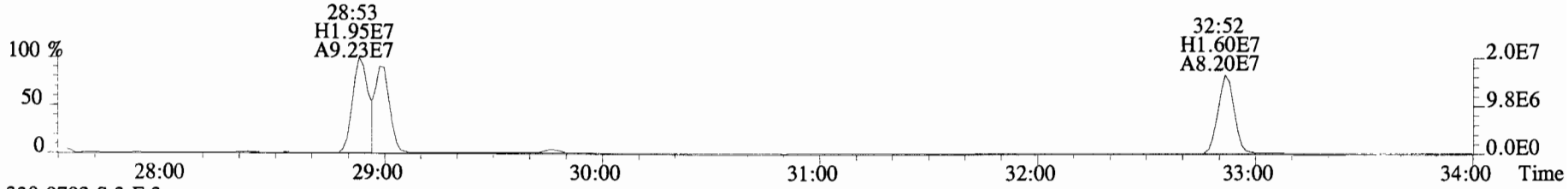

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2744.0,0.00%,F,F)



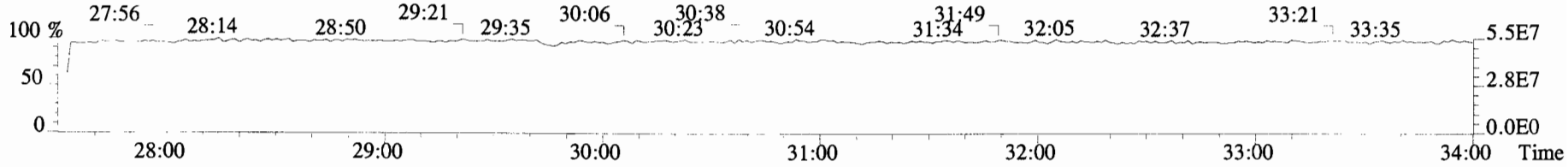

268.0016 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,133196.0,0.00%,F,F)



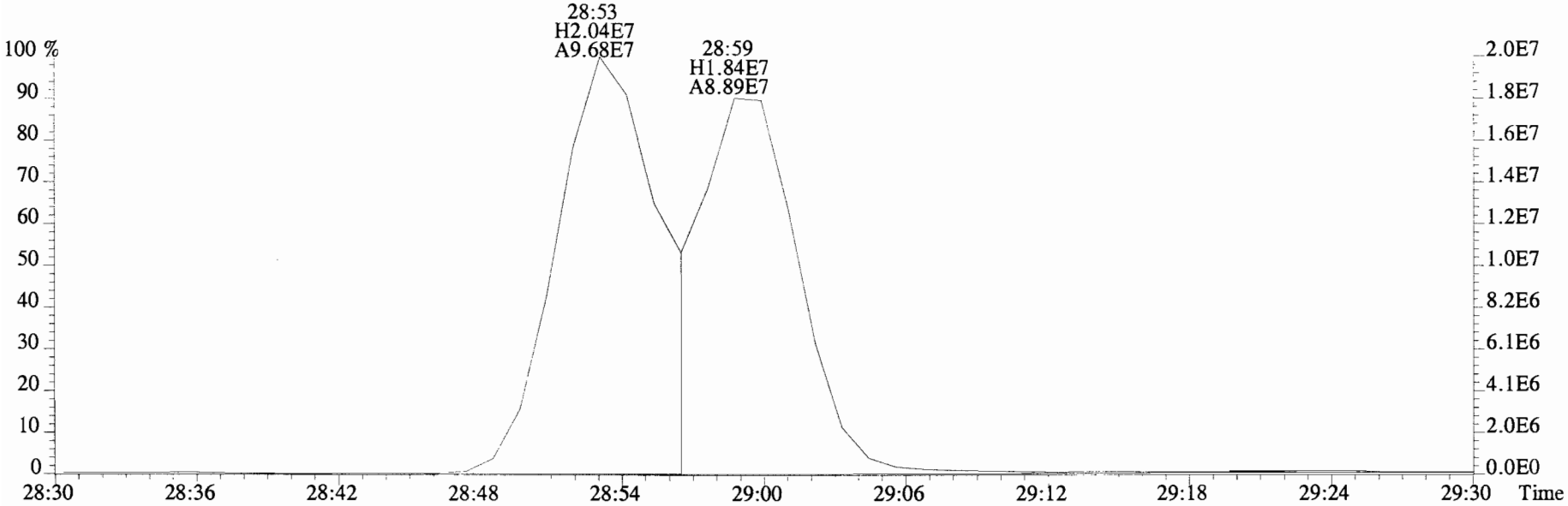

269.9986 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,106468.0,0.00%,F,F)



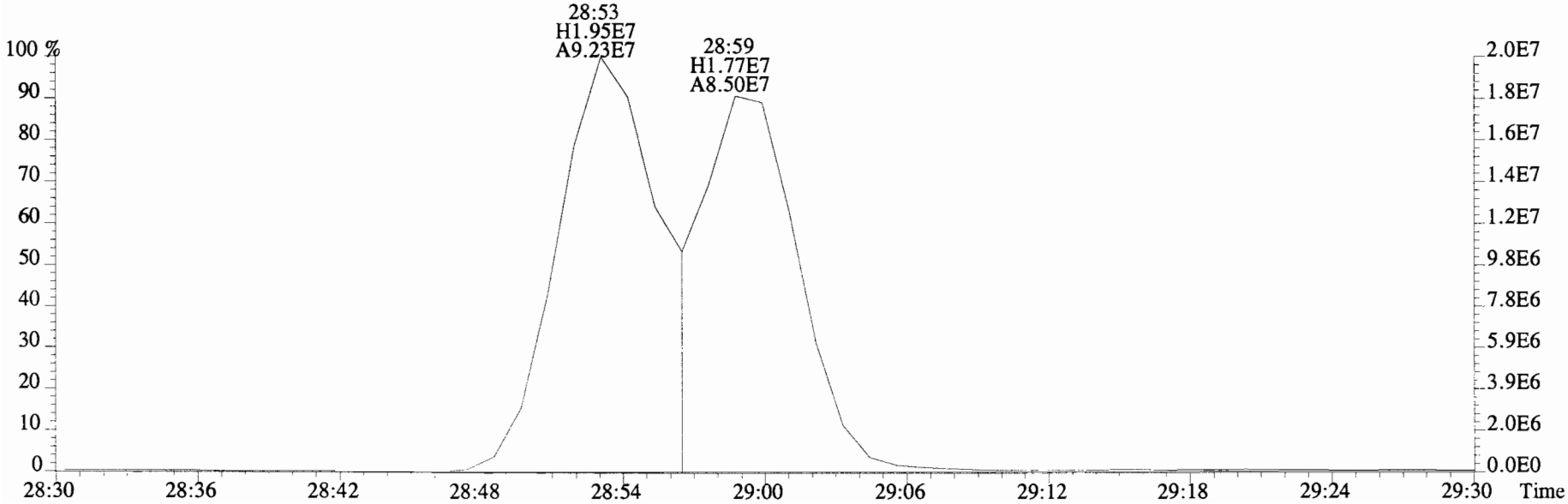

330.9792 S:3 F:3



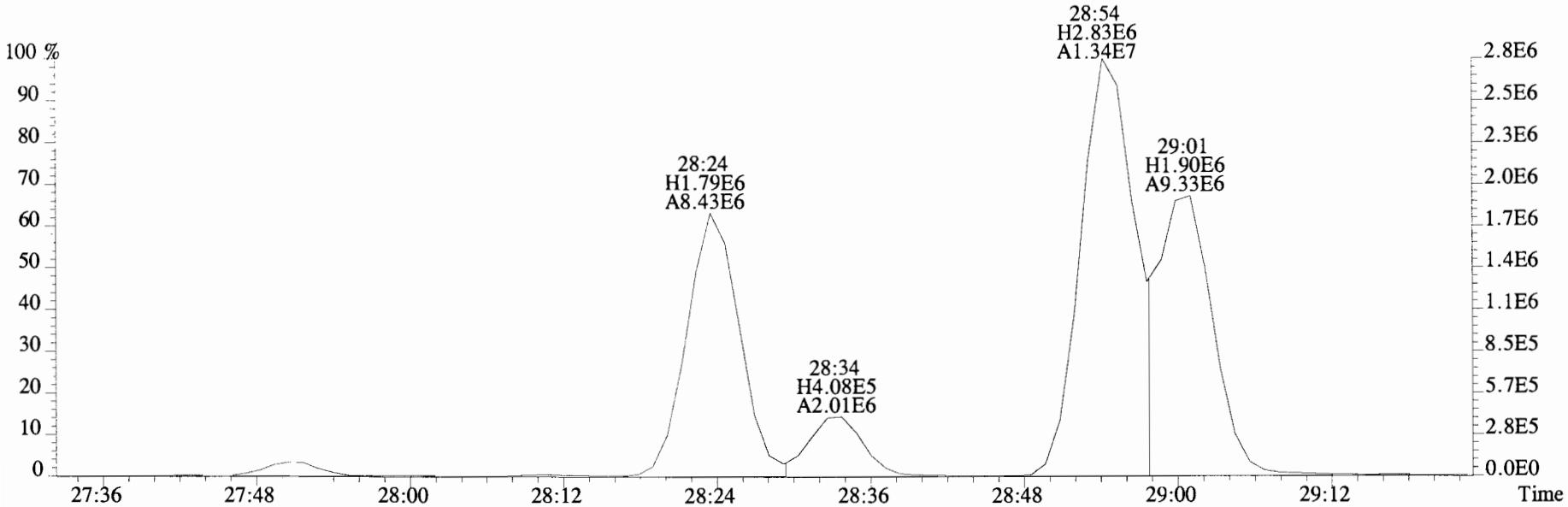
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
268.0016 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,133196.0,0.00%,F,F)



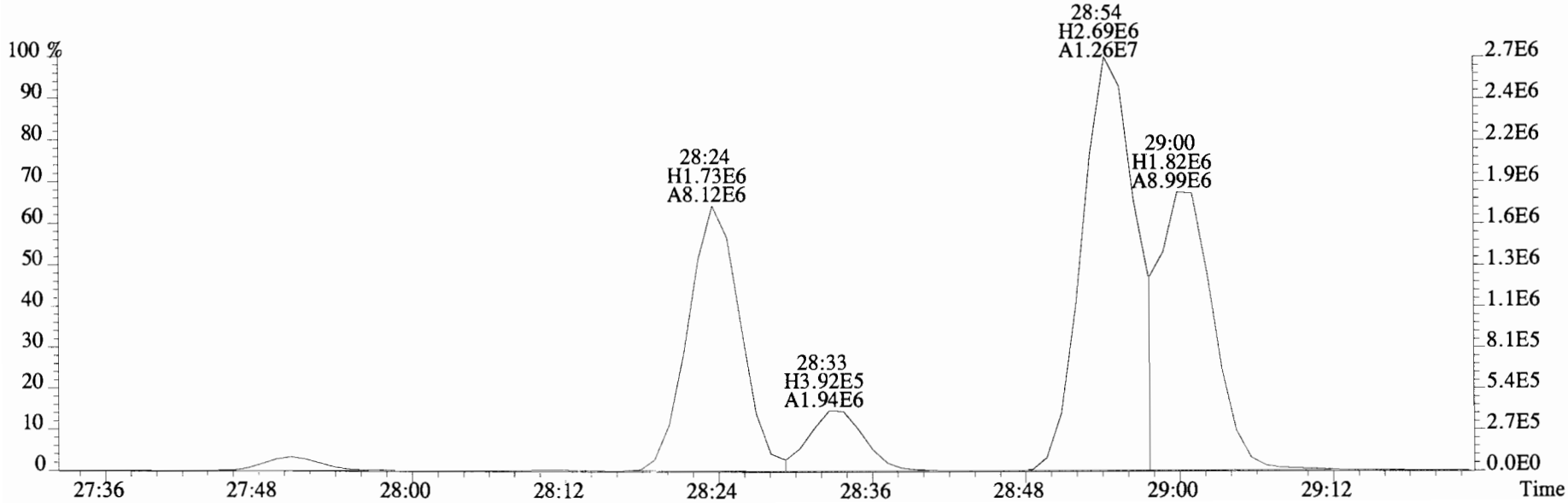

269.9986 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,106468.0,0.00%,F,F)



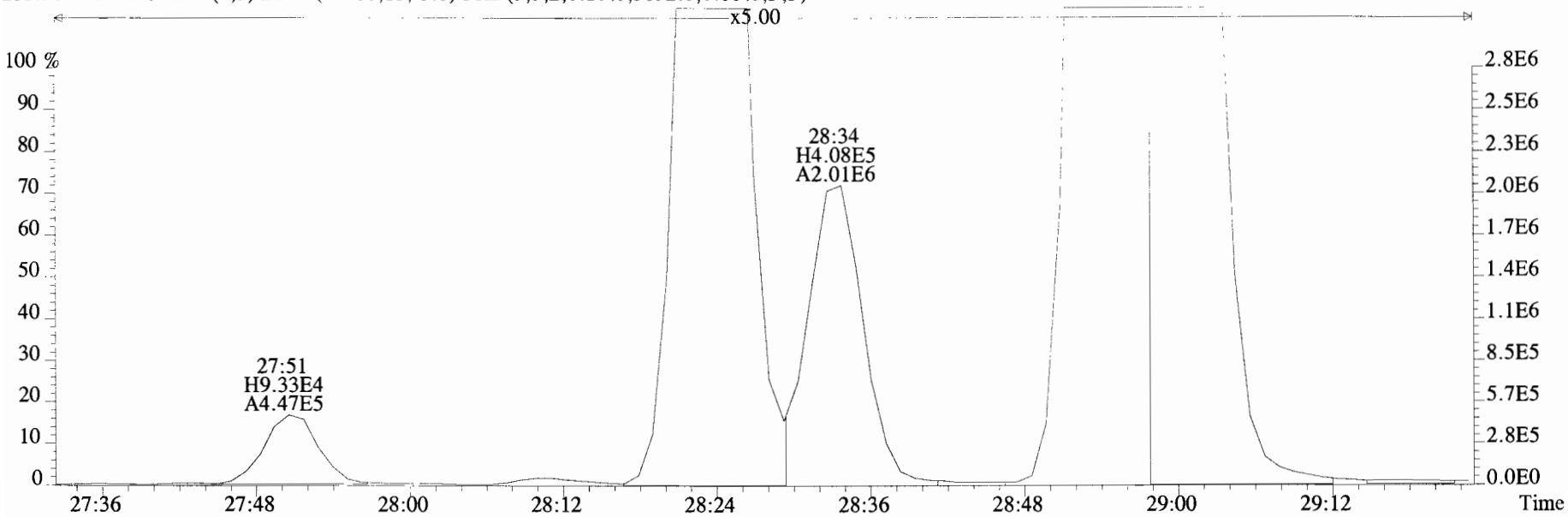
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3092.0,0.00%,F,F)



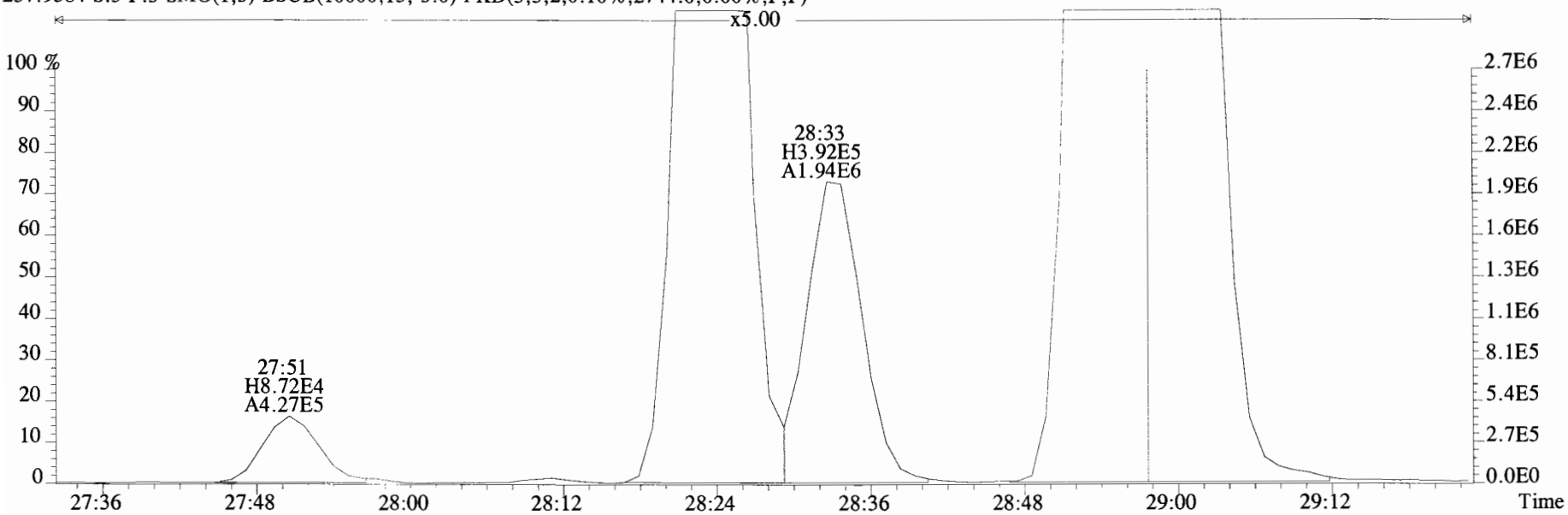

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2744.0,0.00%,F,F)



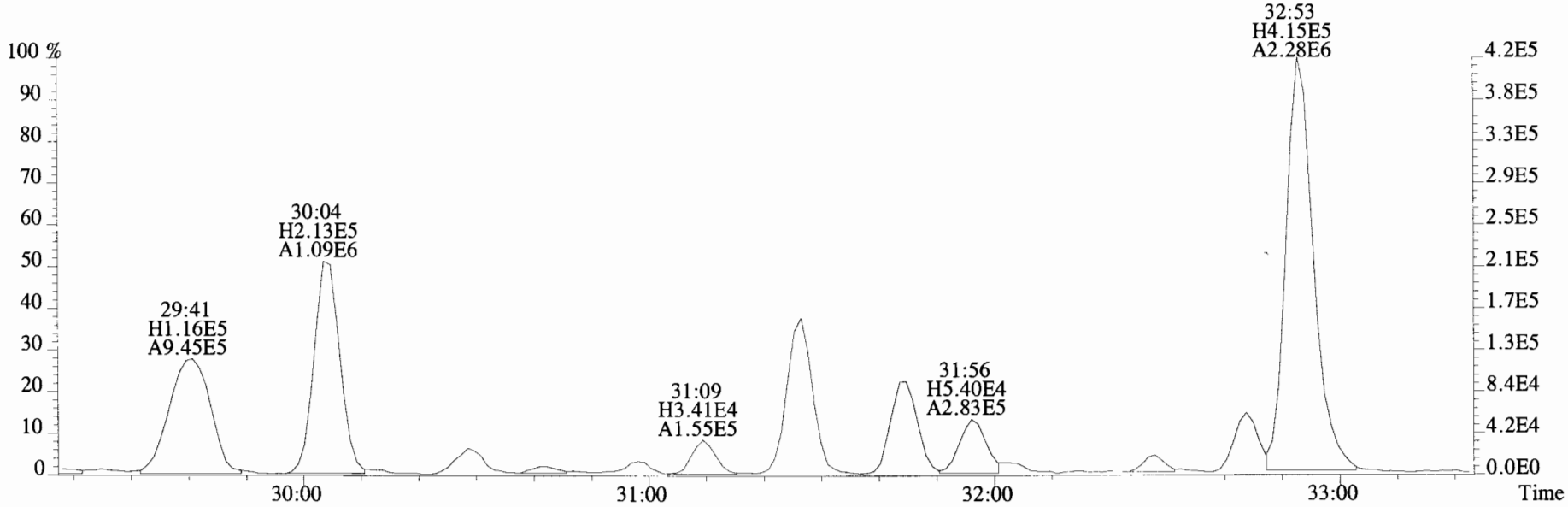
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3092.0,0.00%,F,F)



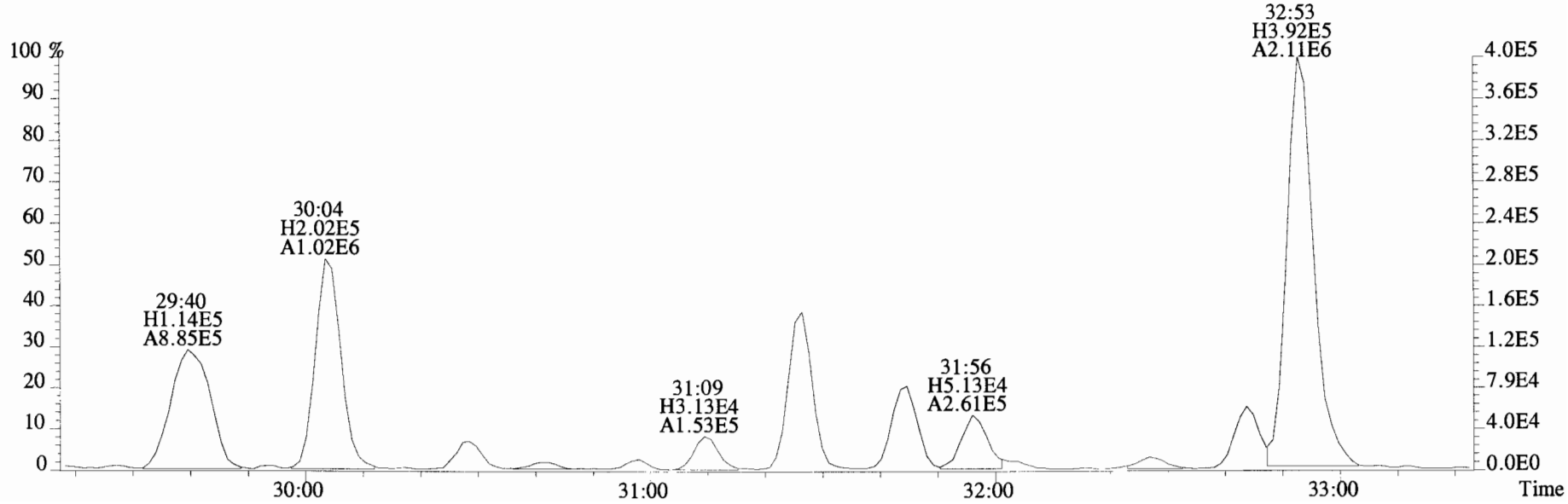

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2744.0,0.00%,F,F)



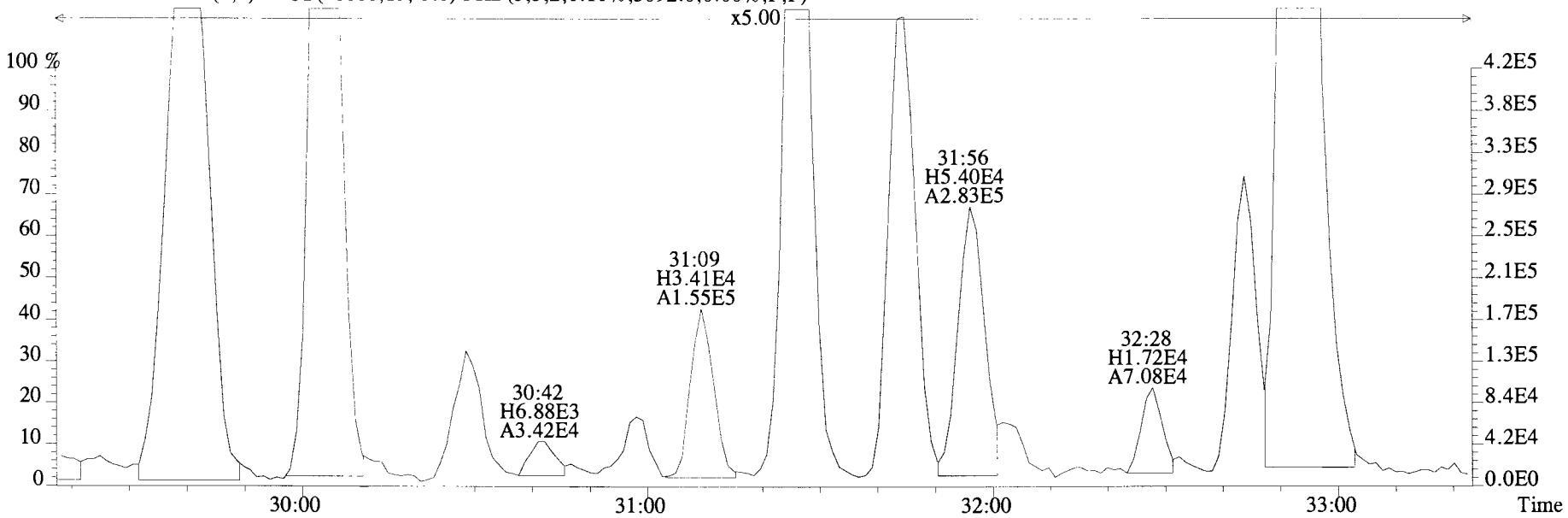
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3092.0,0.00%,F,F)



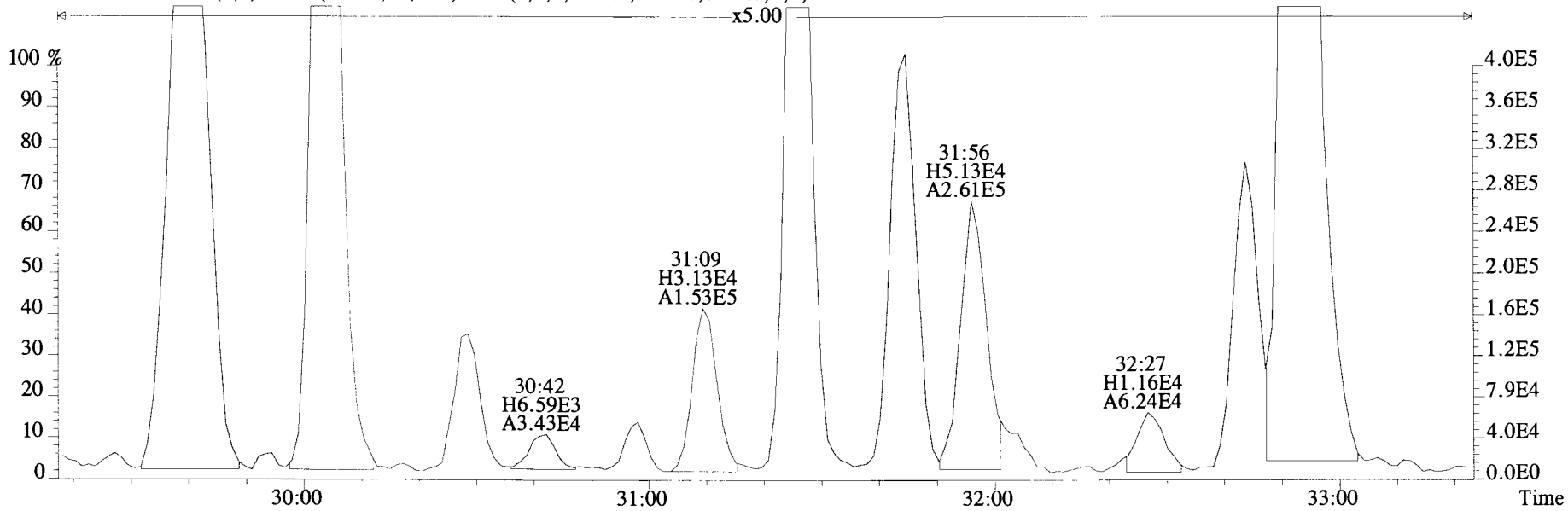

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2744.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3092.0,0.00%,F,F)

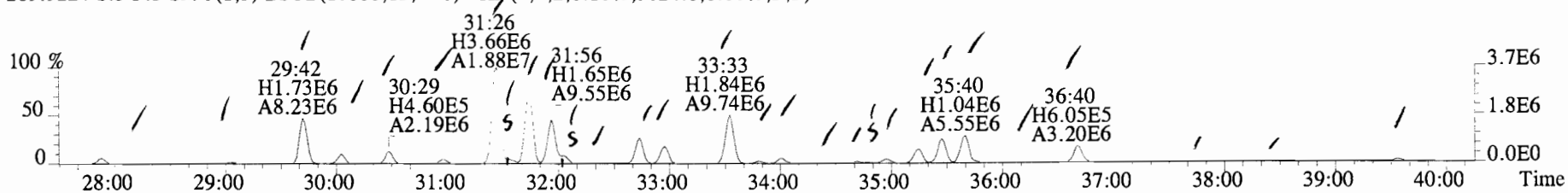



257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2744.0,0.00%,F,F)

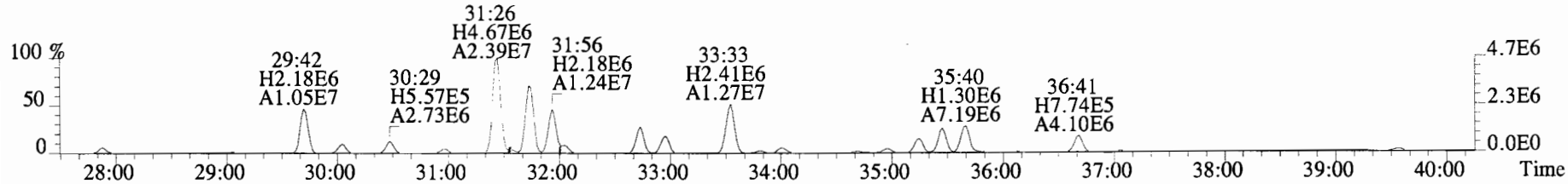


File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1

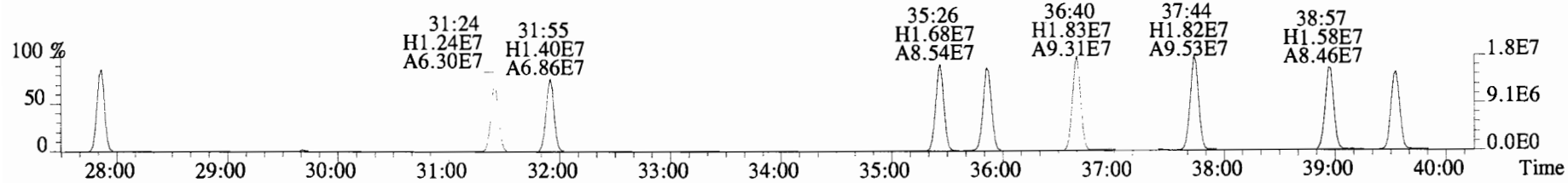
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



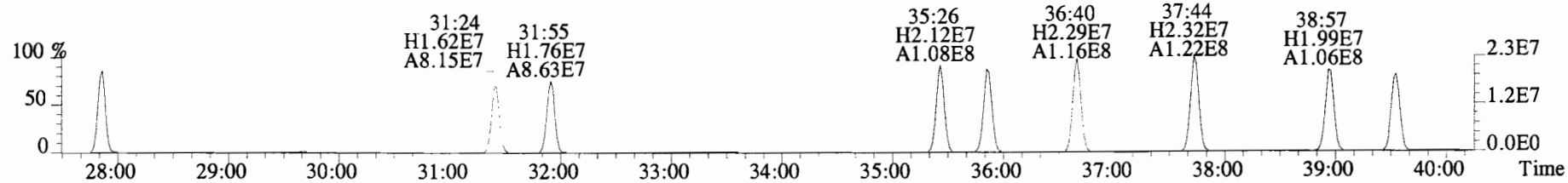

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



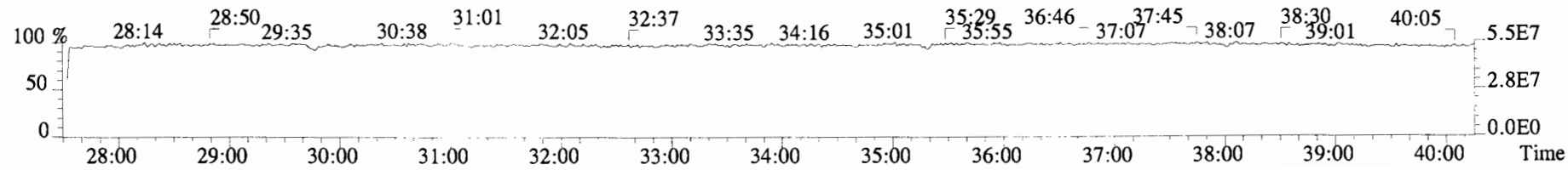

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30568.0,0.00%,F,F)




303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21716.0,0.00%,F,F)

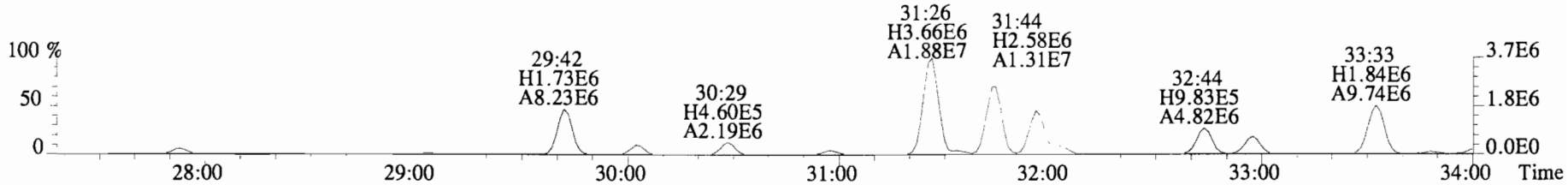



330.9792 S:3 F:3

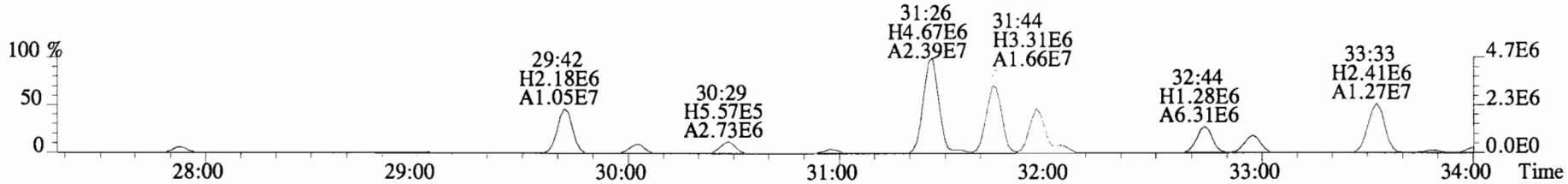


File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1

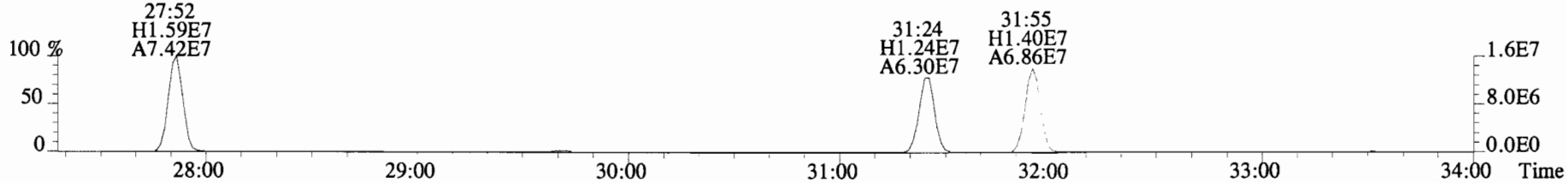
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



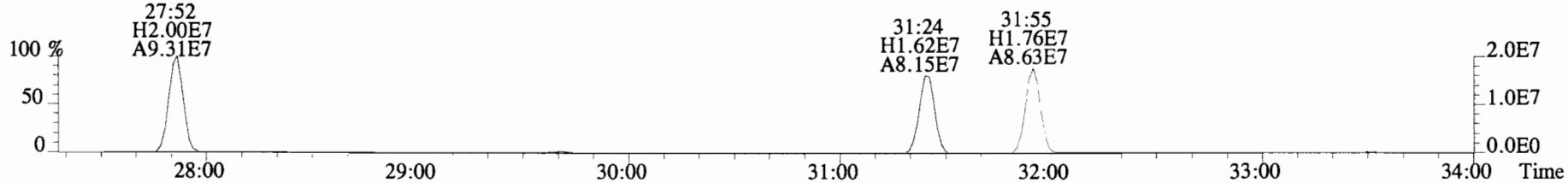

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



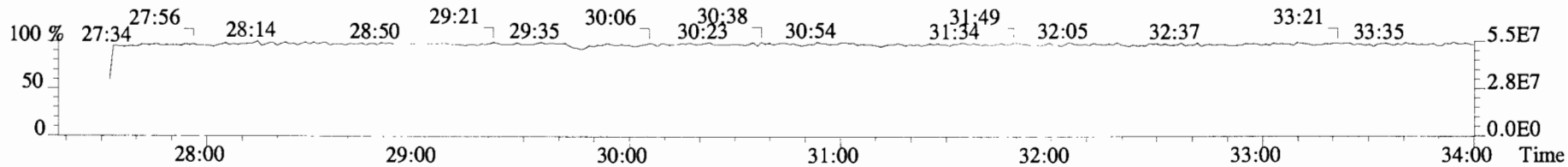

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30568.0,0.00%,F,F)



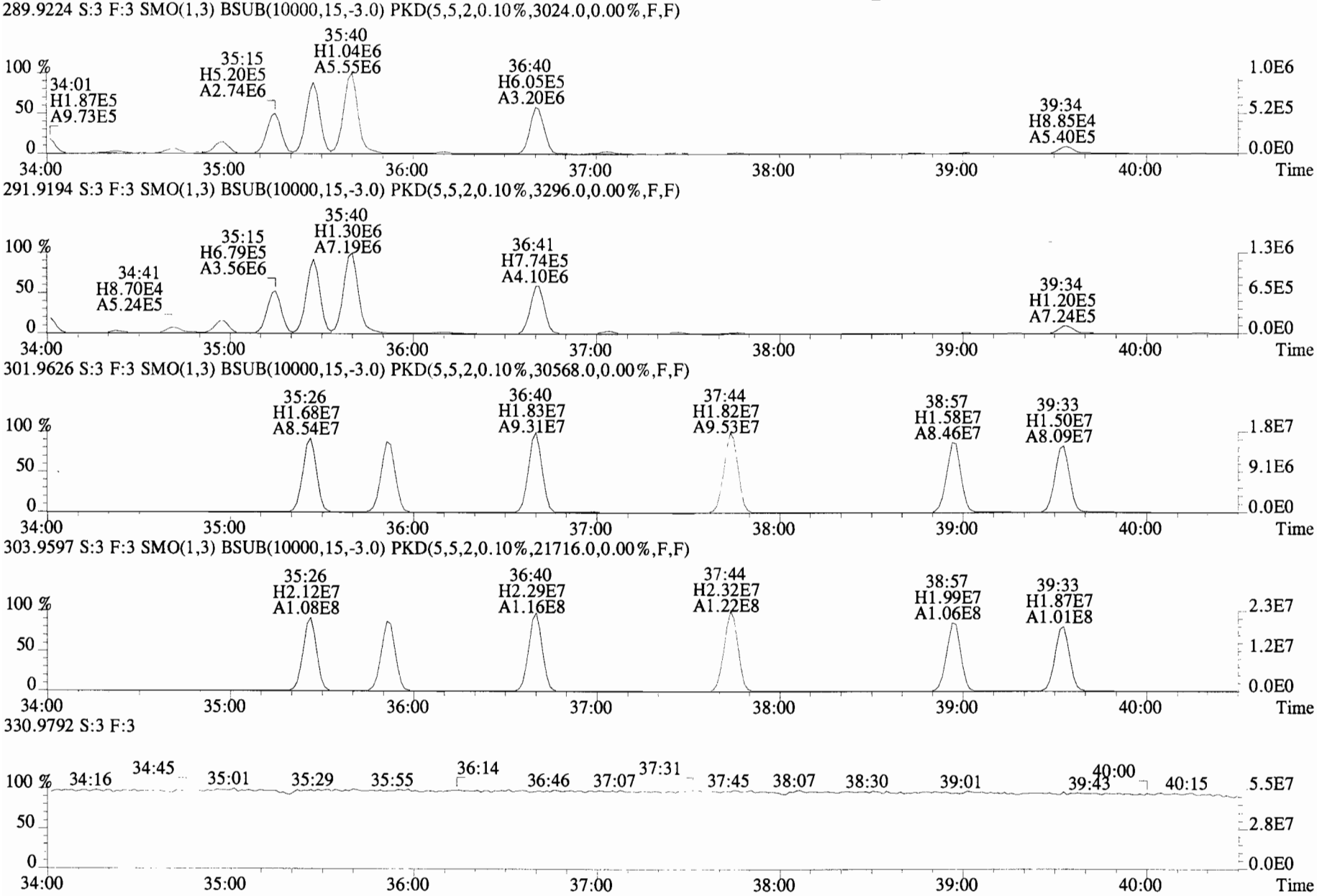

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21716.0,0.00%,F,F)



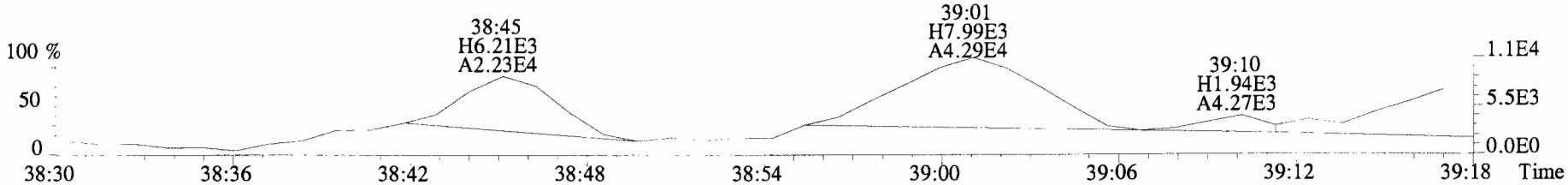

330.9792 S:3 F:3



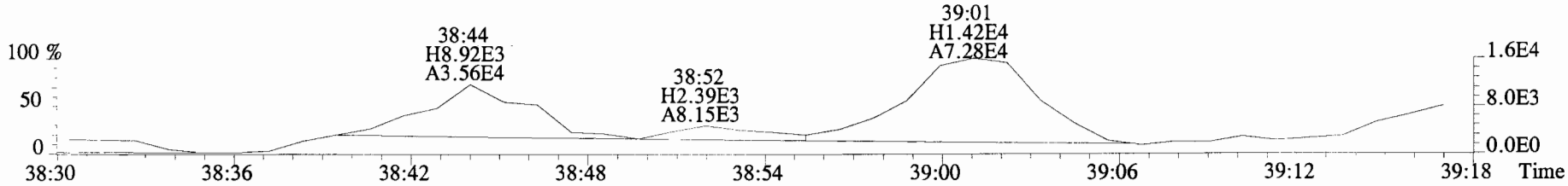
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1



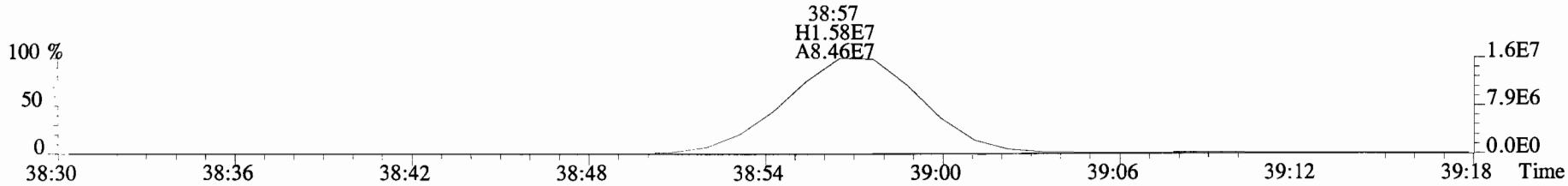
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)




291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)




301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30568.0,0.00%,F,F)

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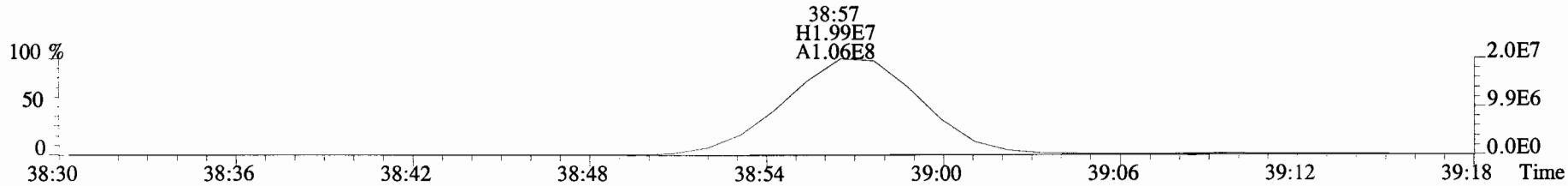
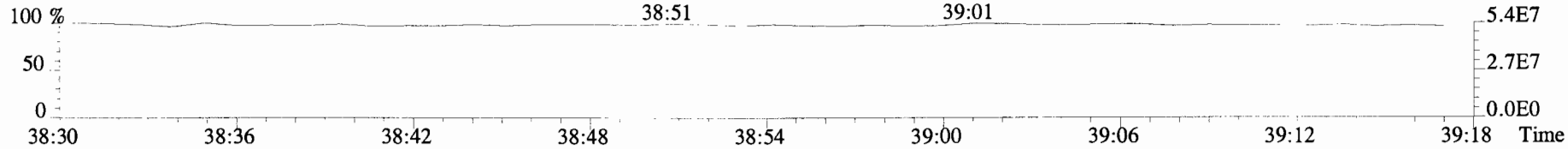
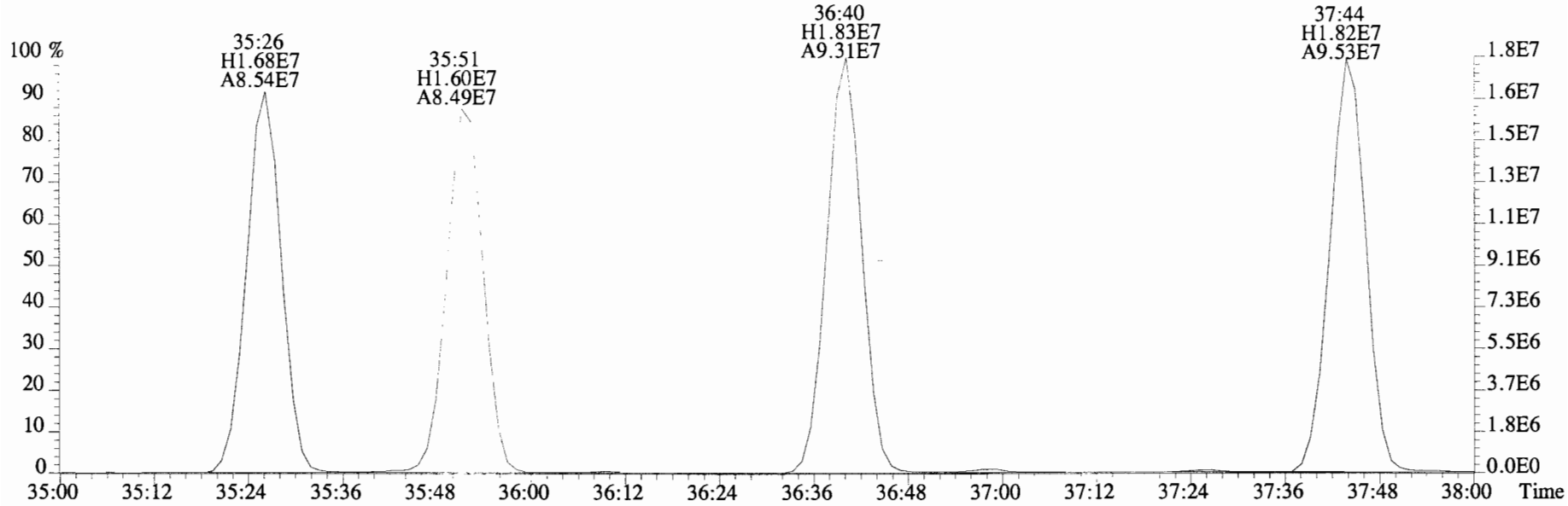


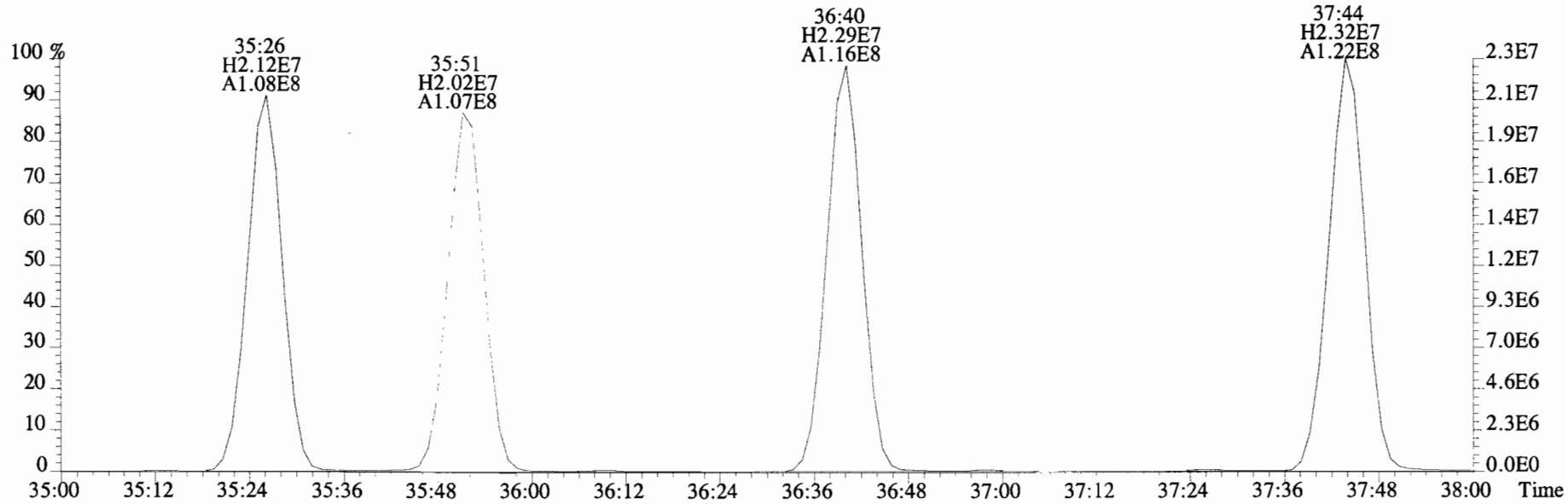

330.9792 S:3 F:3



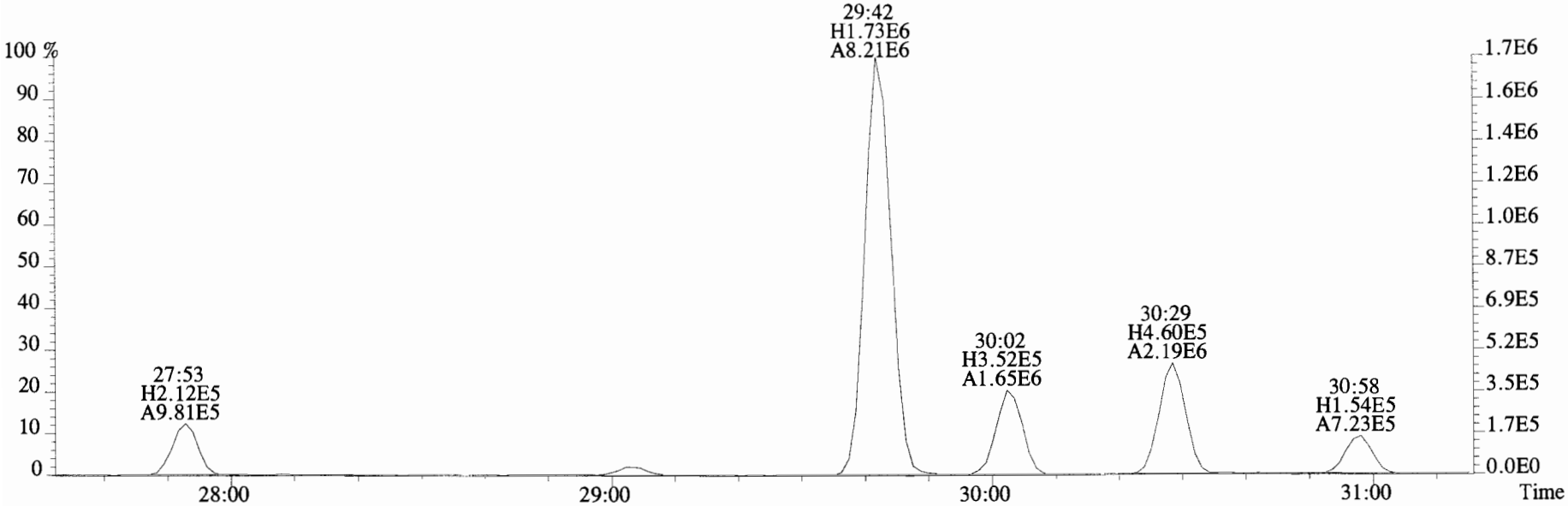
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30568.0,0.00%,F,F)



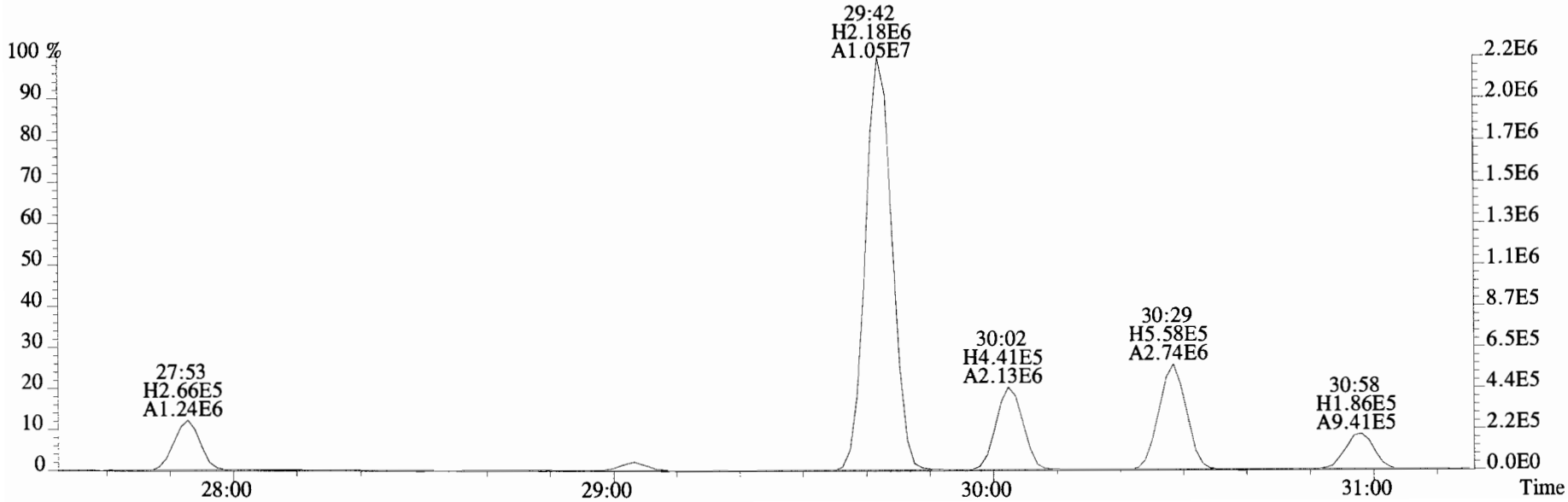

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21716.0,0.00%,F,F)



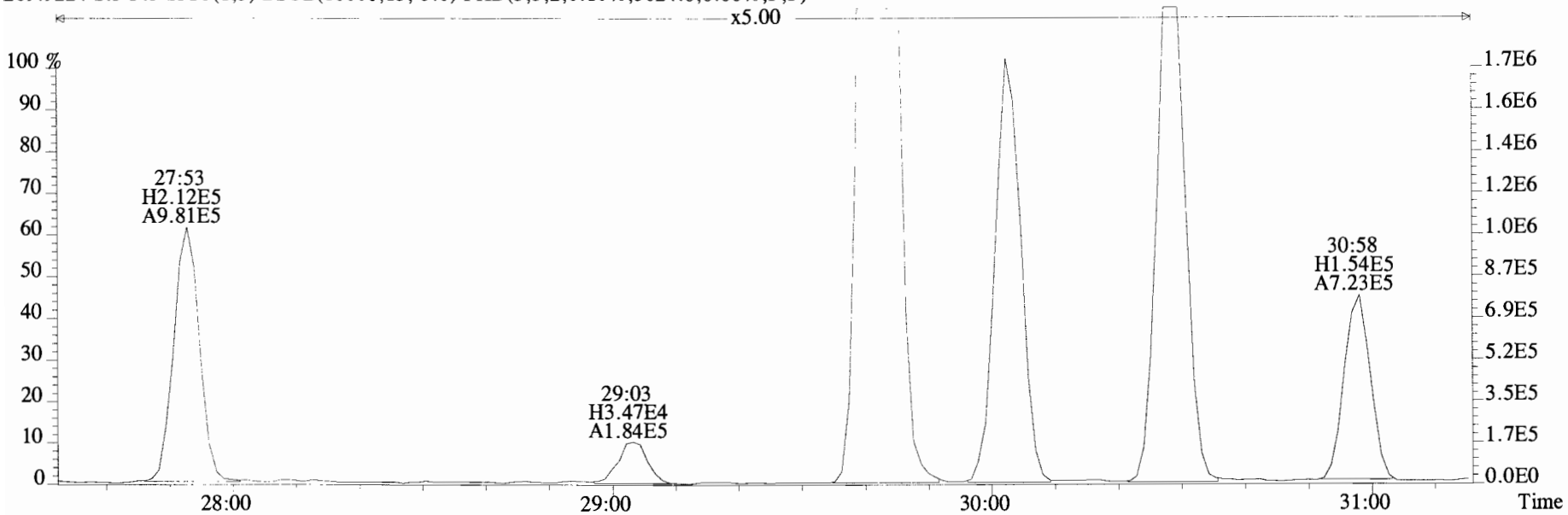
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



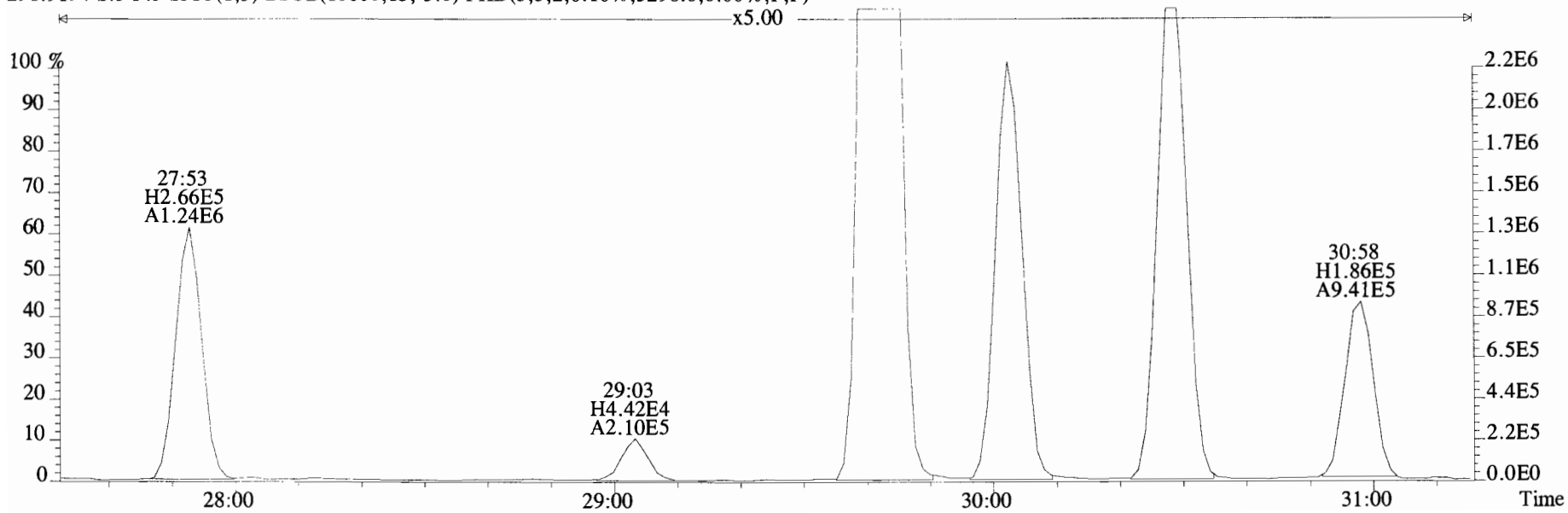

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



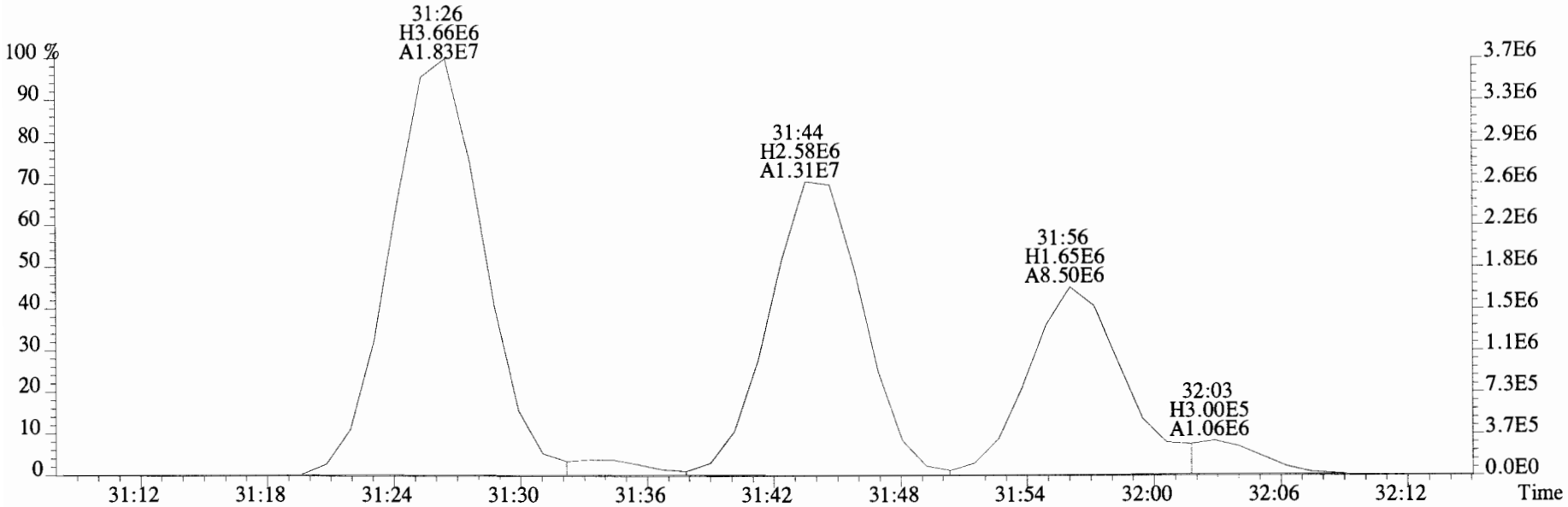
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



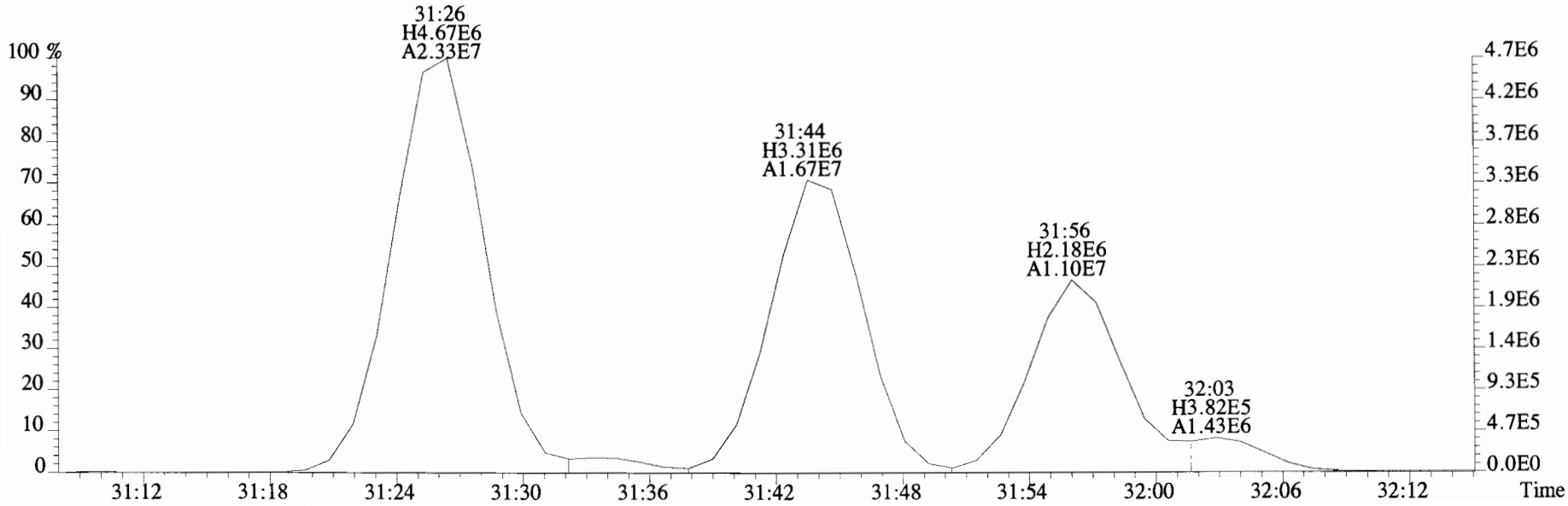

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)




291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
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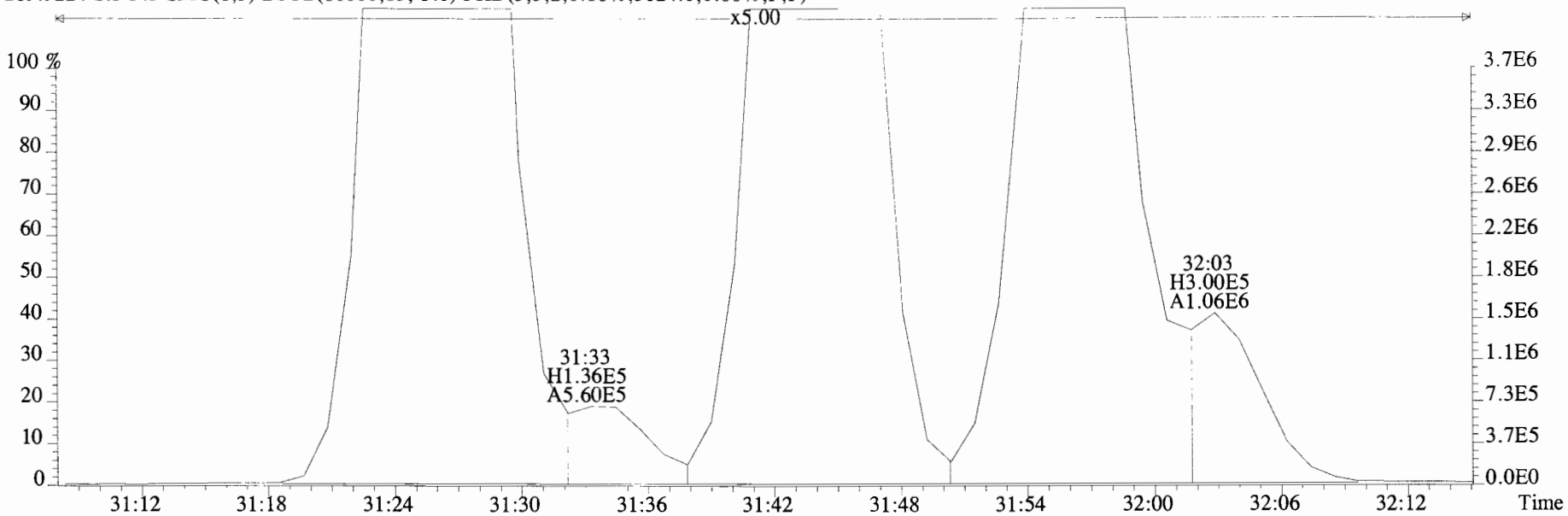
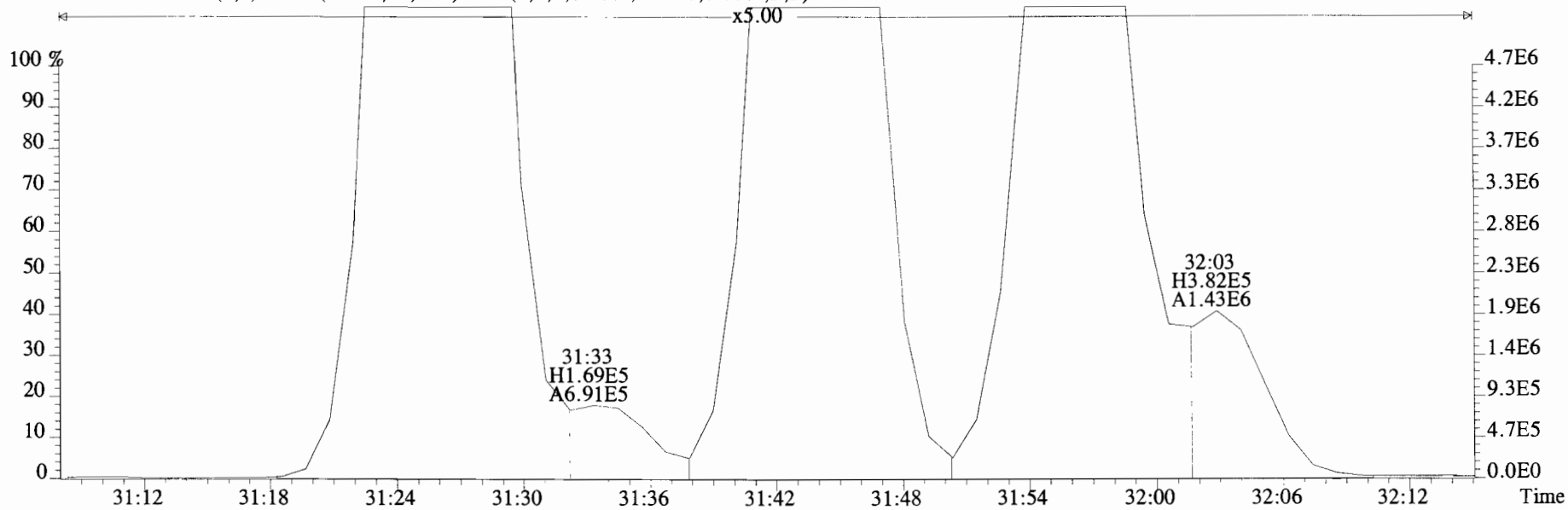



291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
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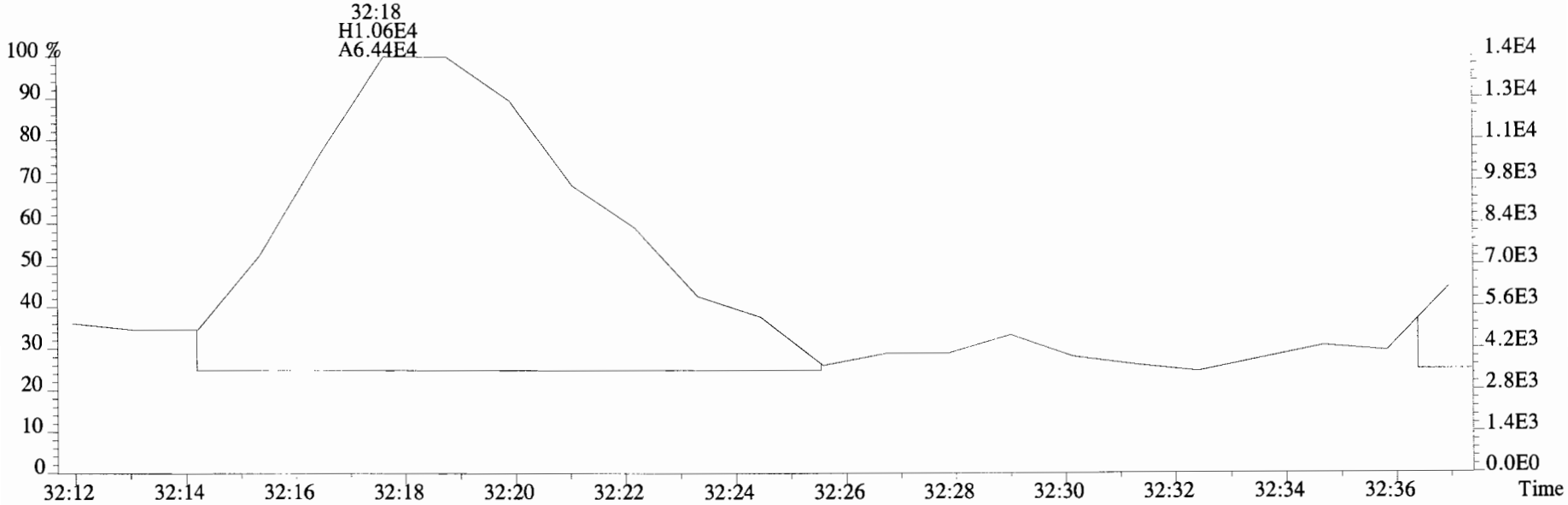
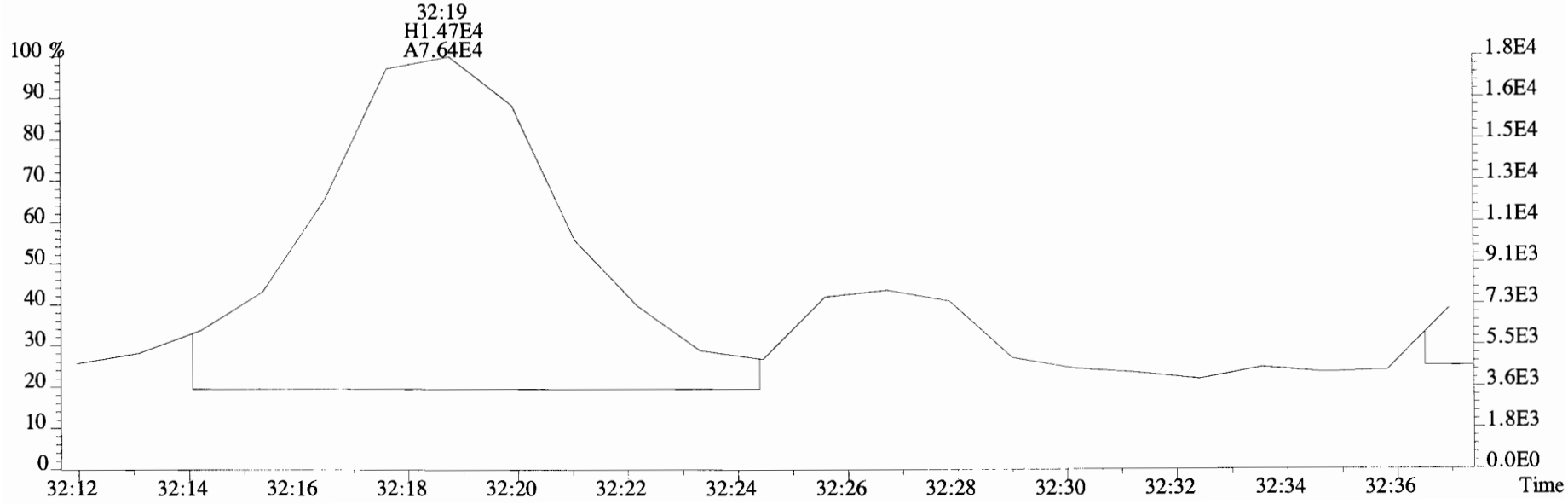



291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
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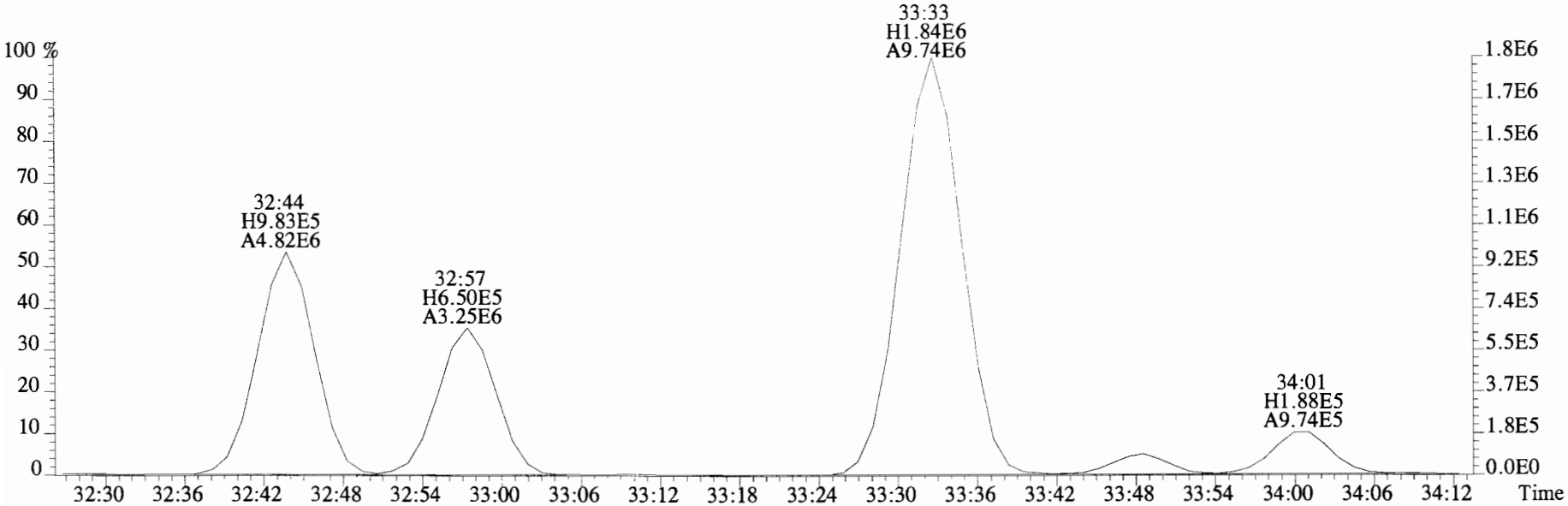
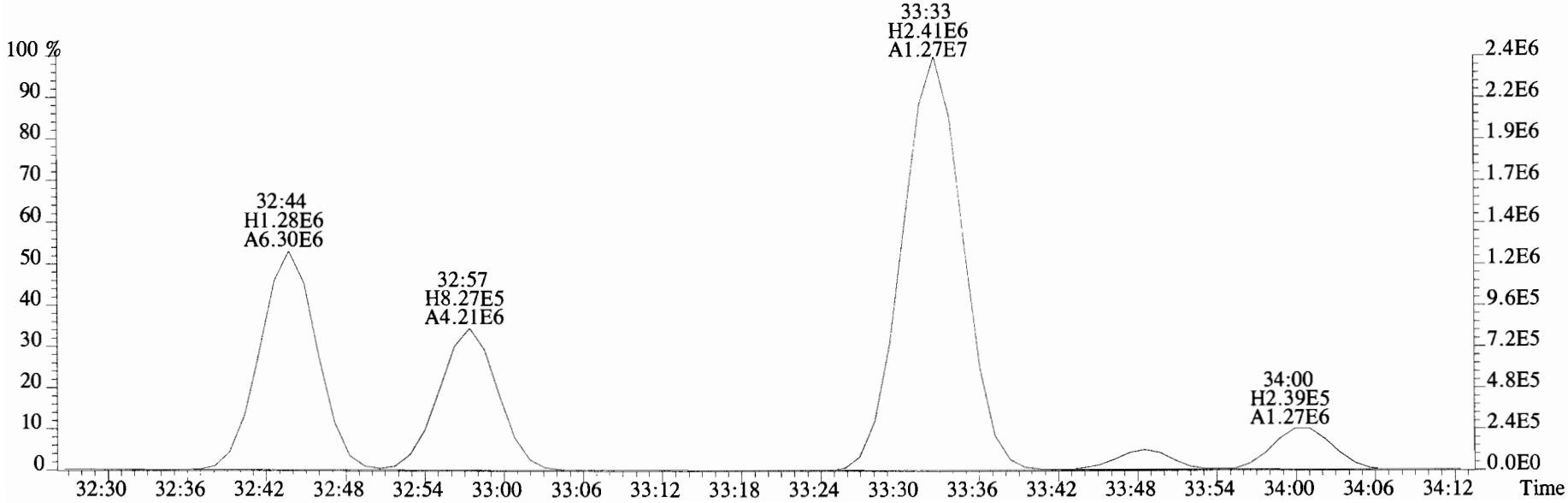
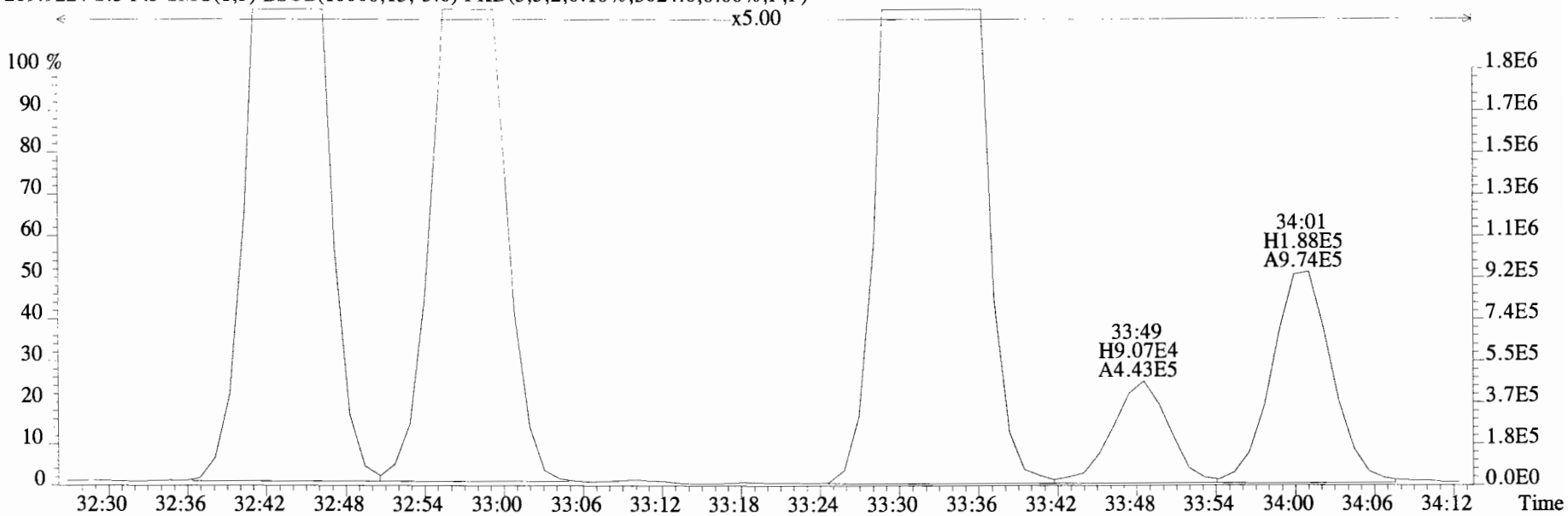



291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)

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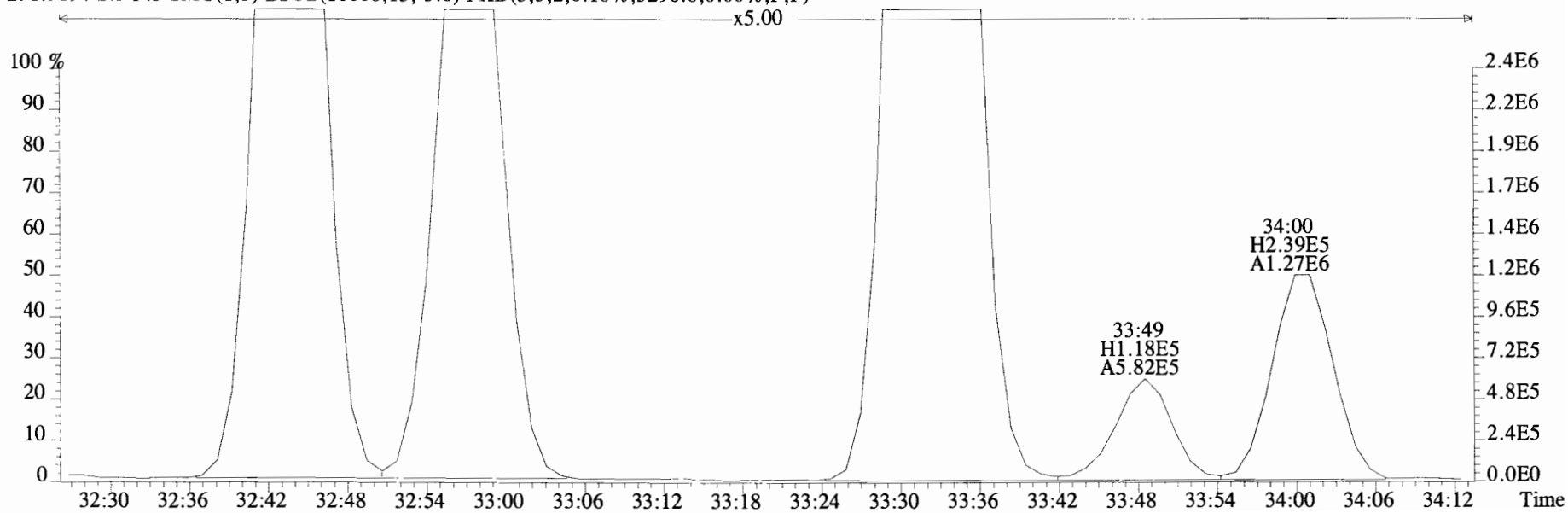
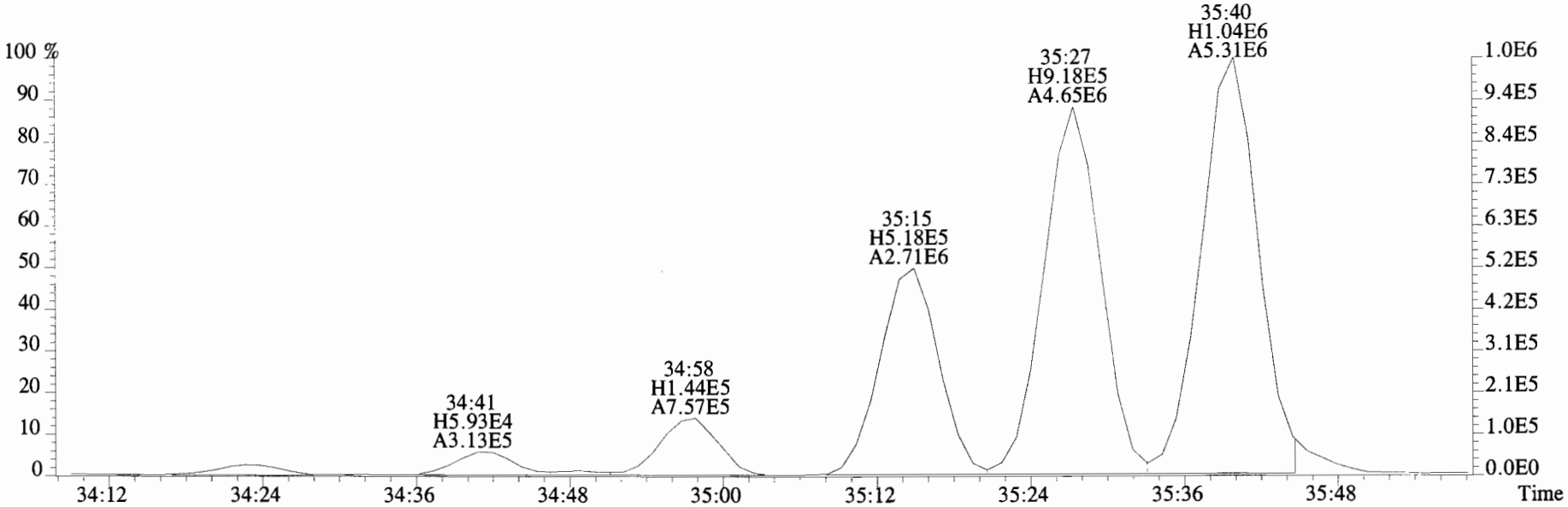
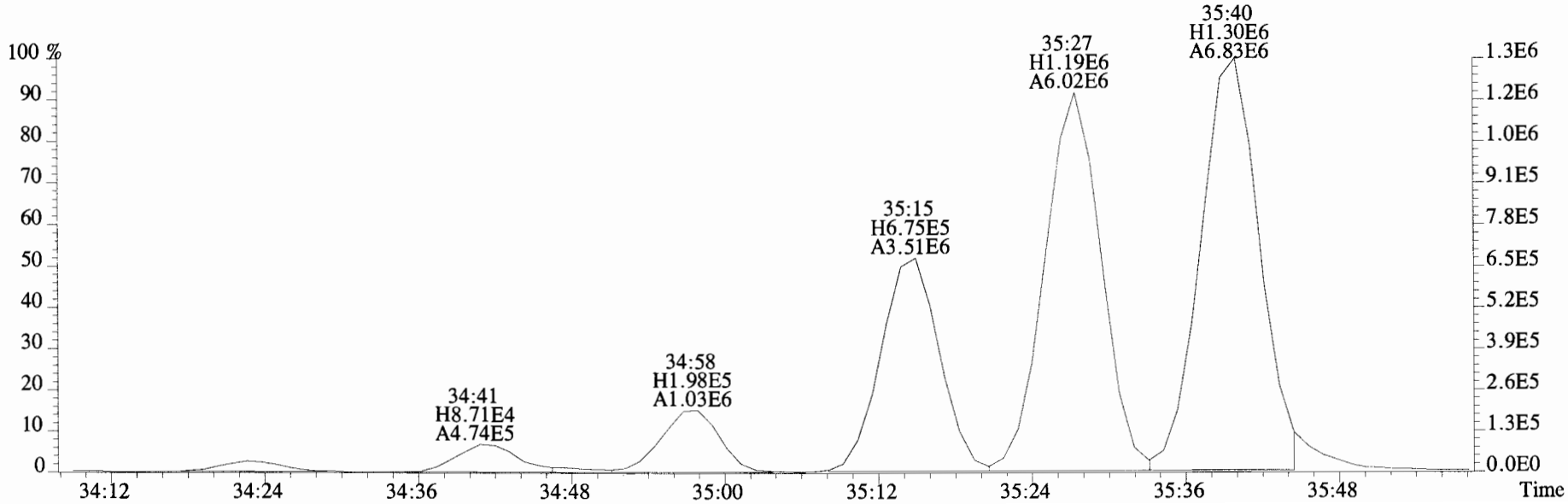


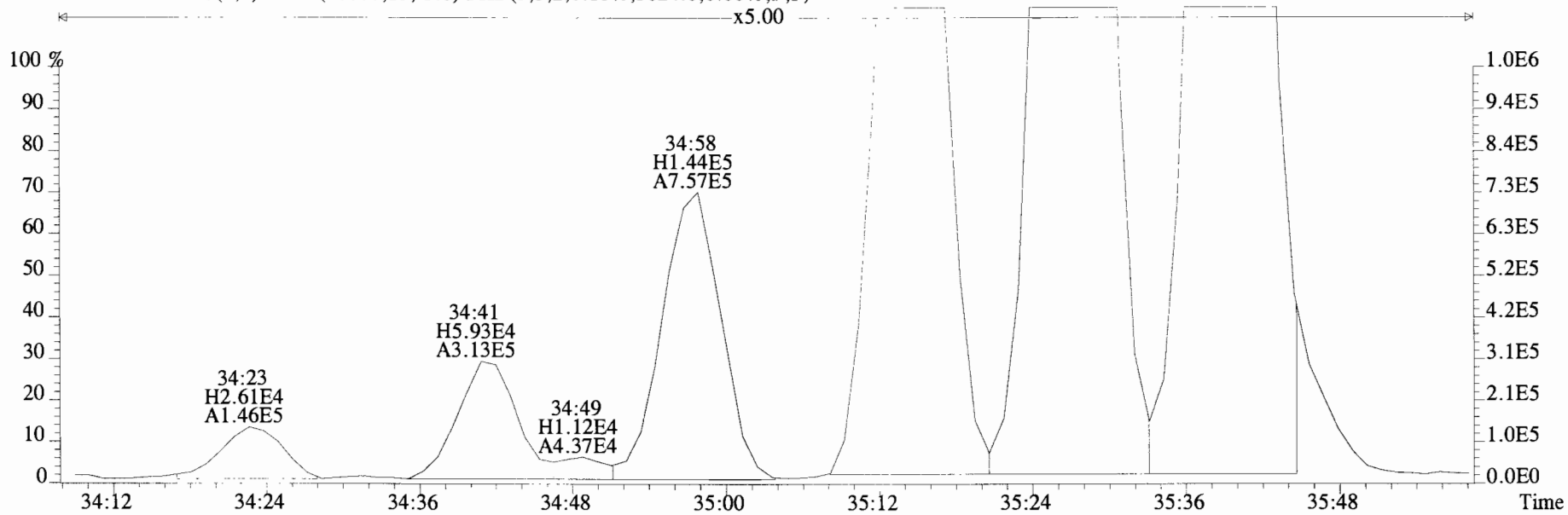
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



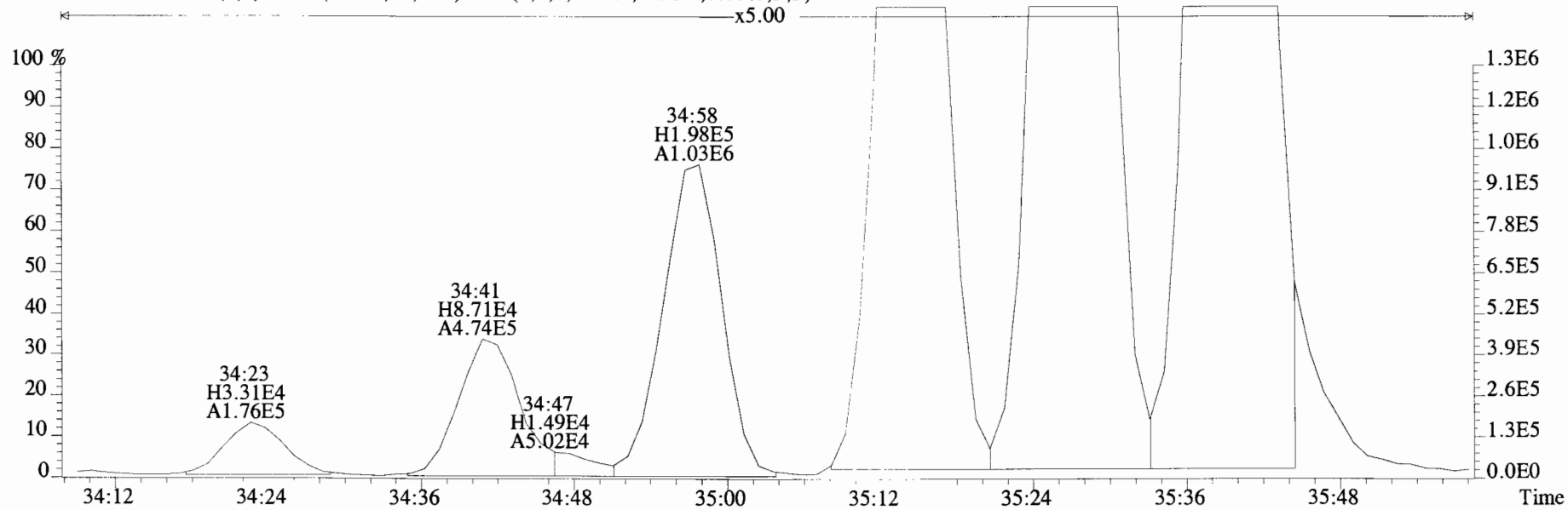

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



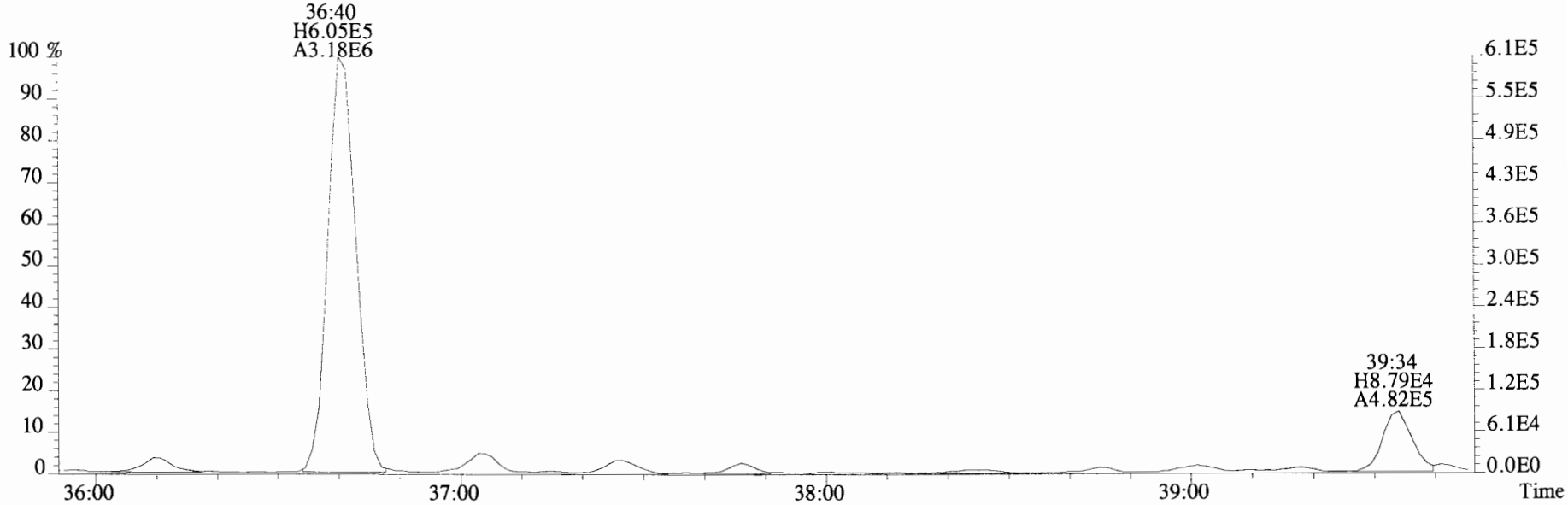
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



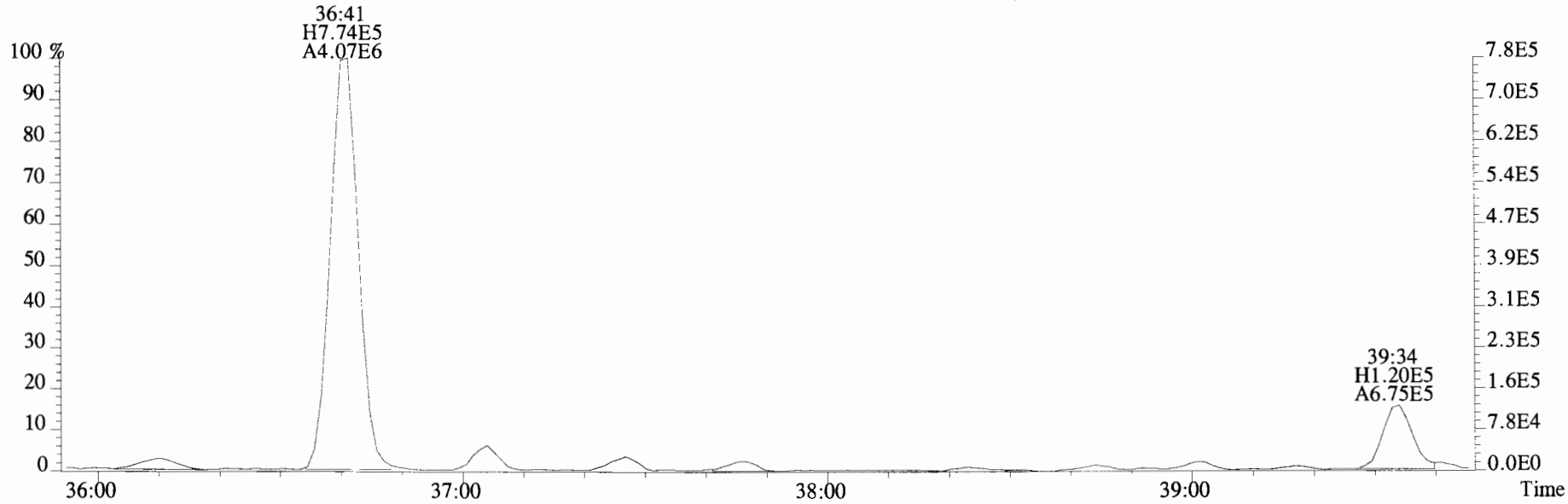

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)




291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
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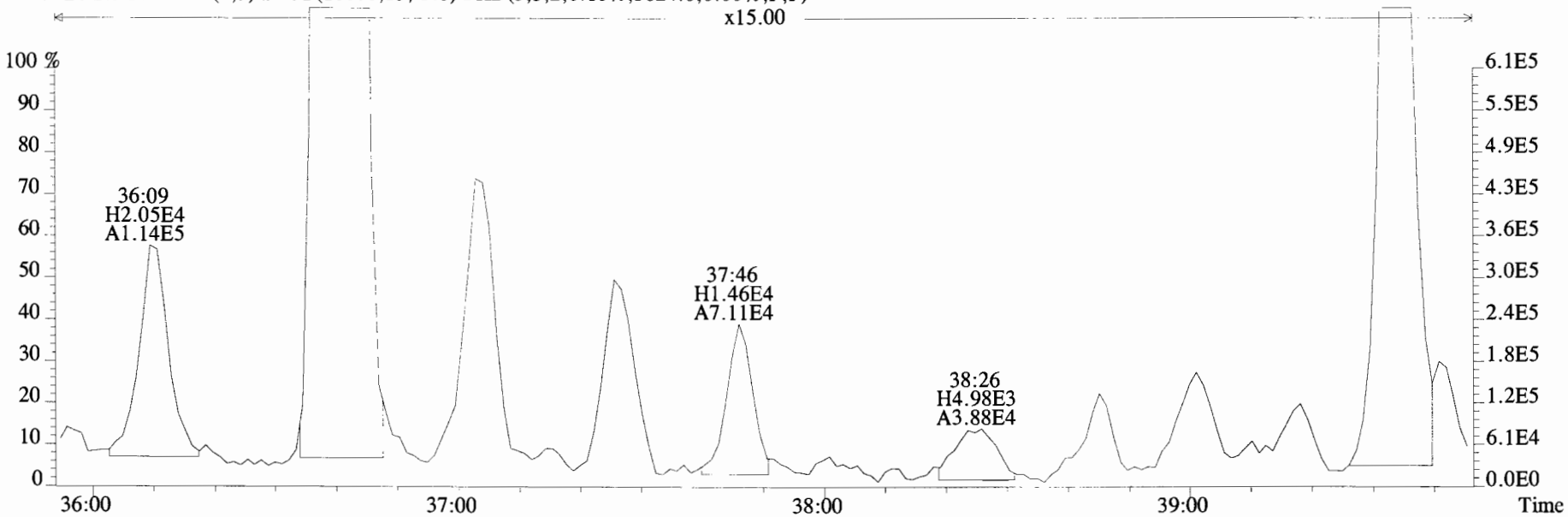
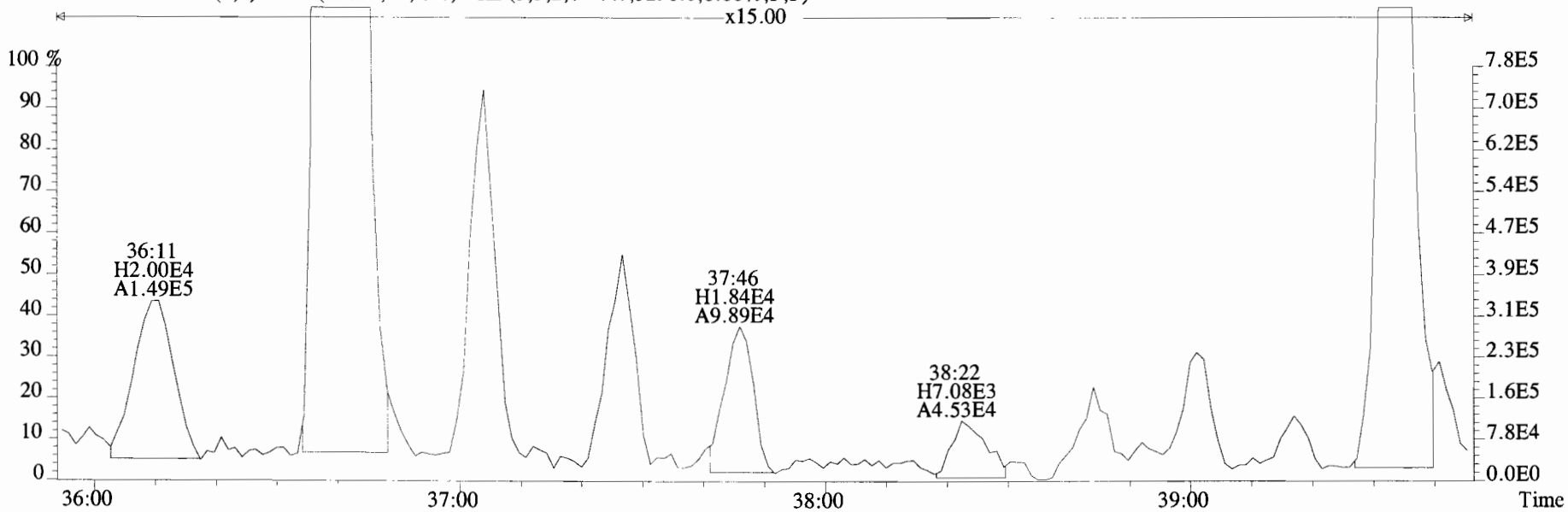
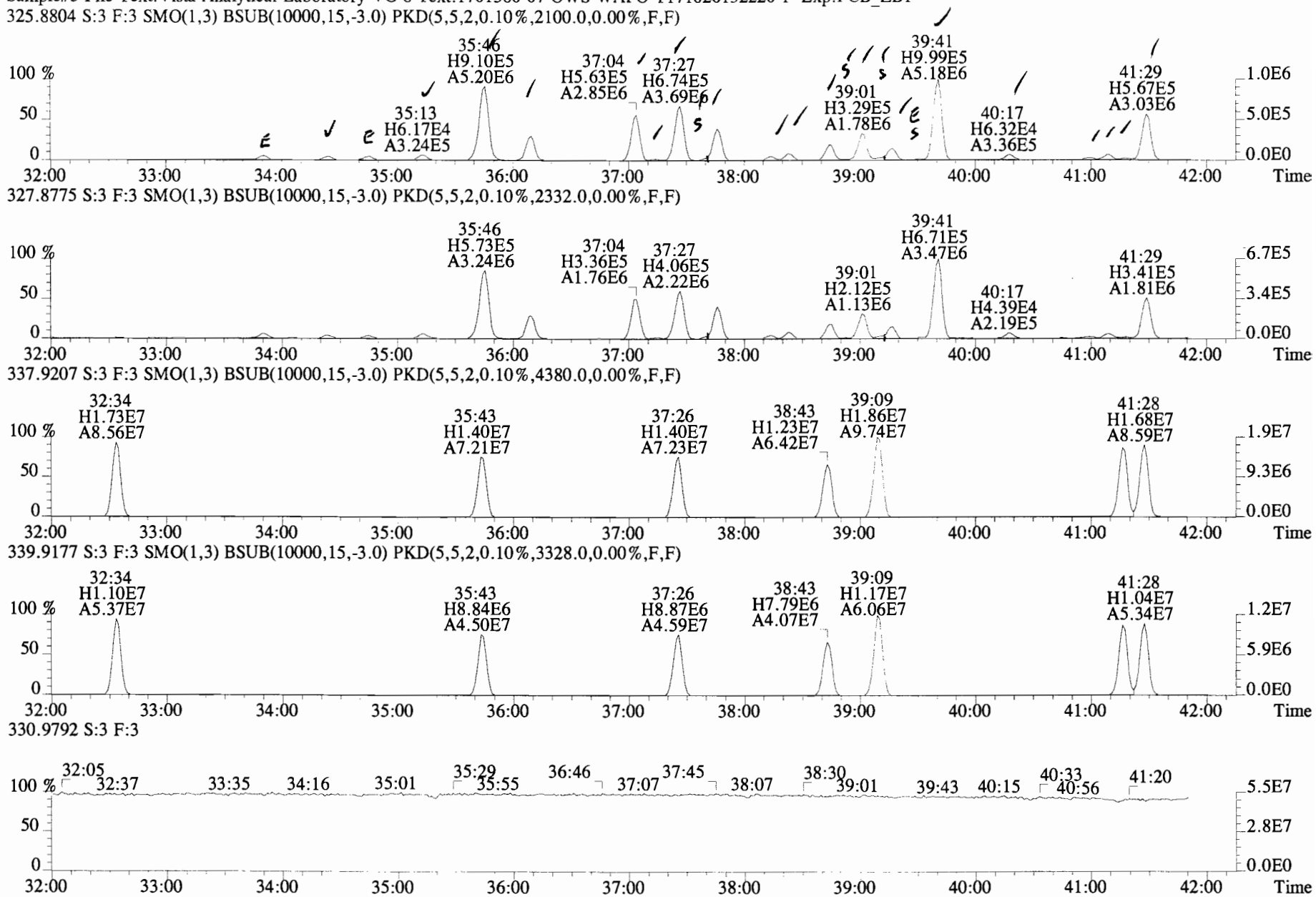


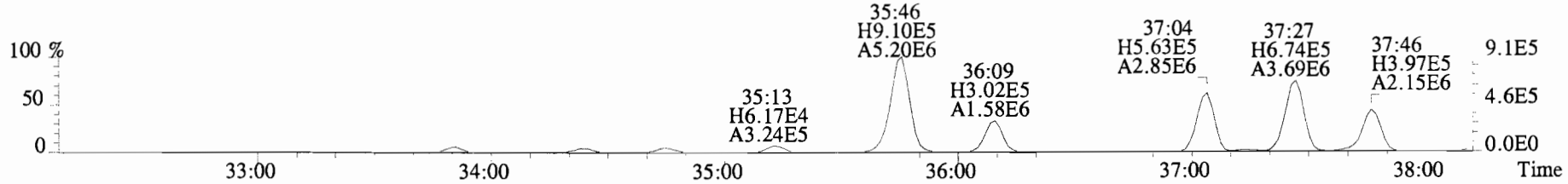

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3296.0,0.00%,F,F)



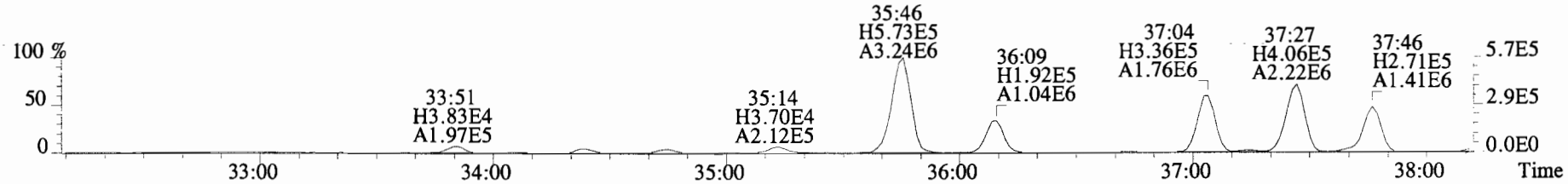
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1



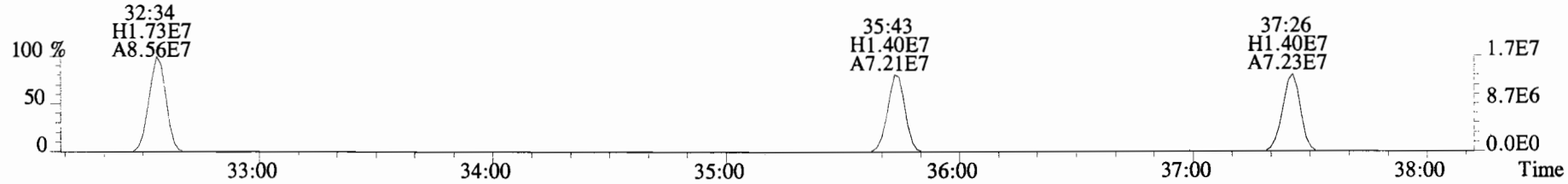
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



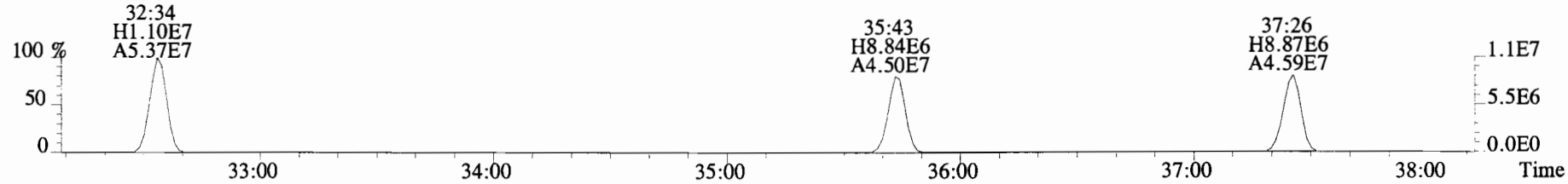

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



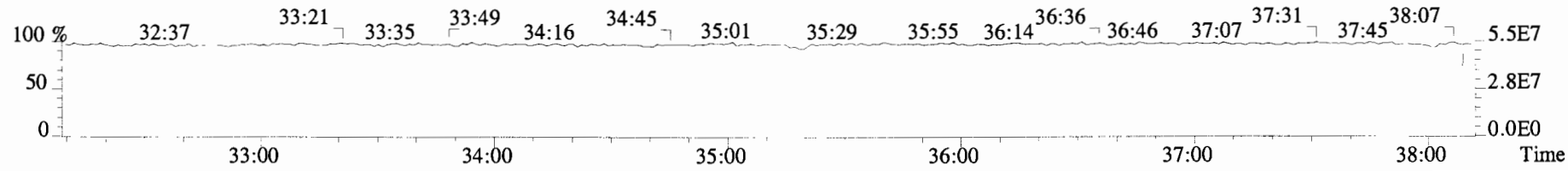

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4380.0,0.00%,F,F)



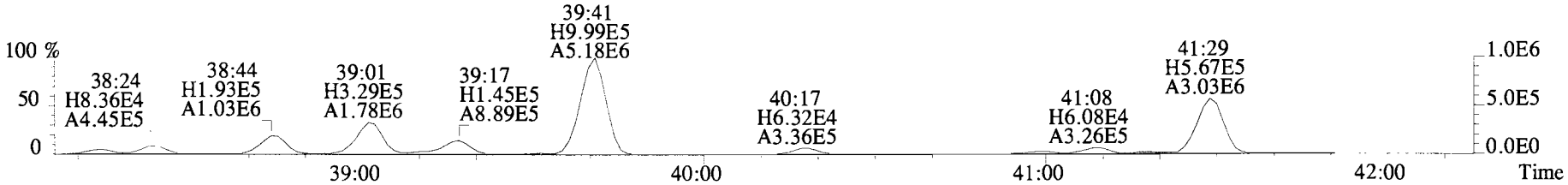

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3328.0,0.00%,F,F)



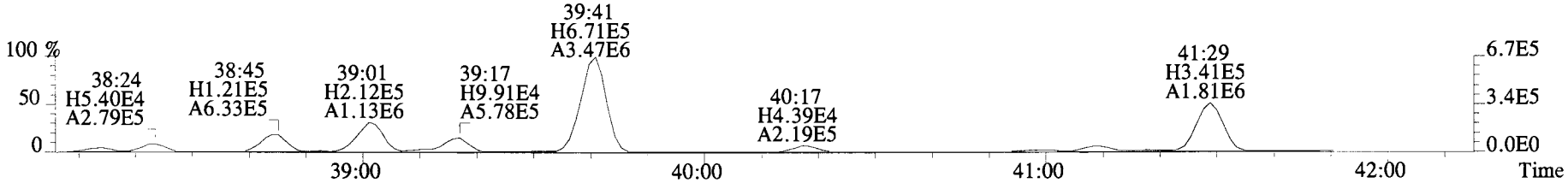

330.9792 S:3 F:3



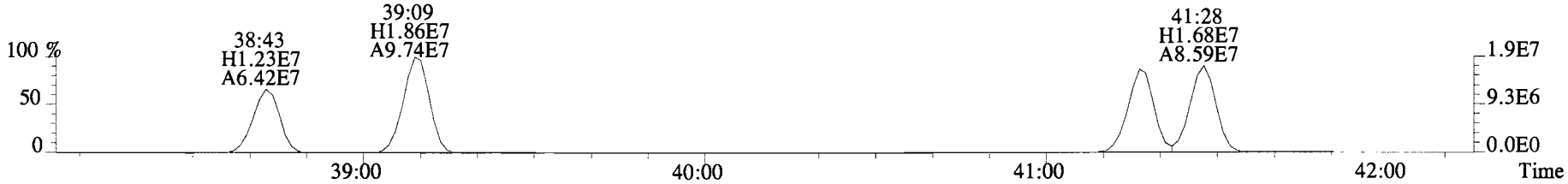
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



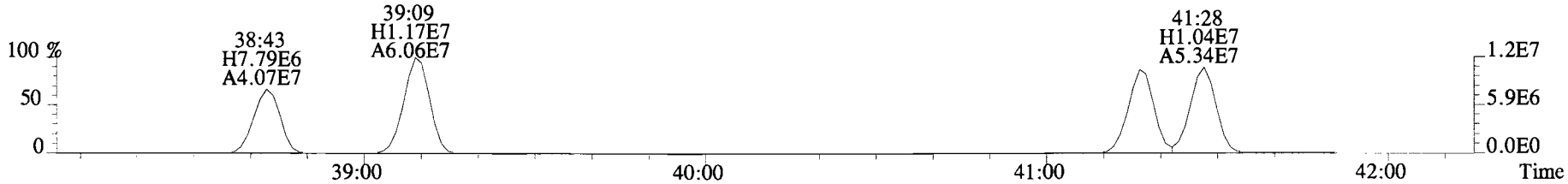

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



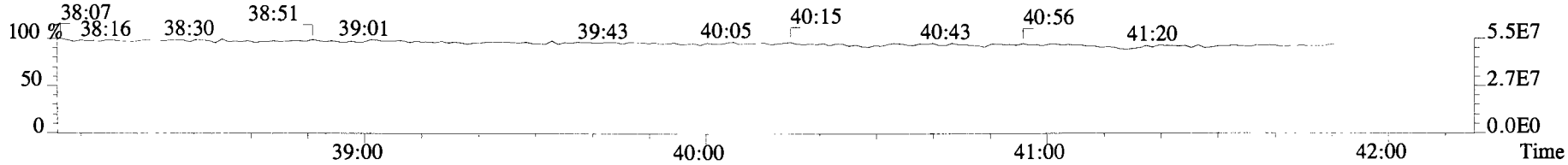

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4380.0,0.00%,F,F)



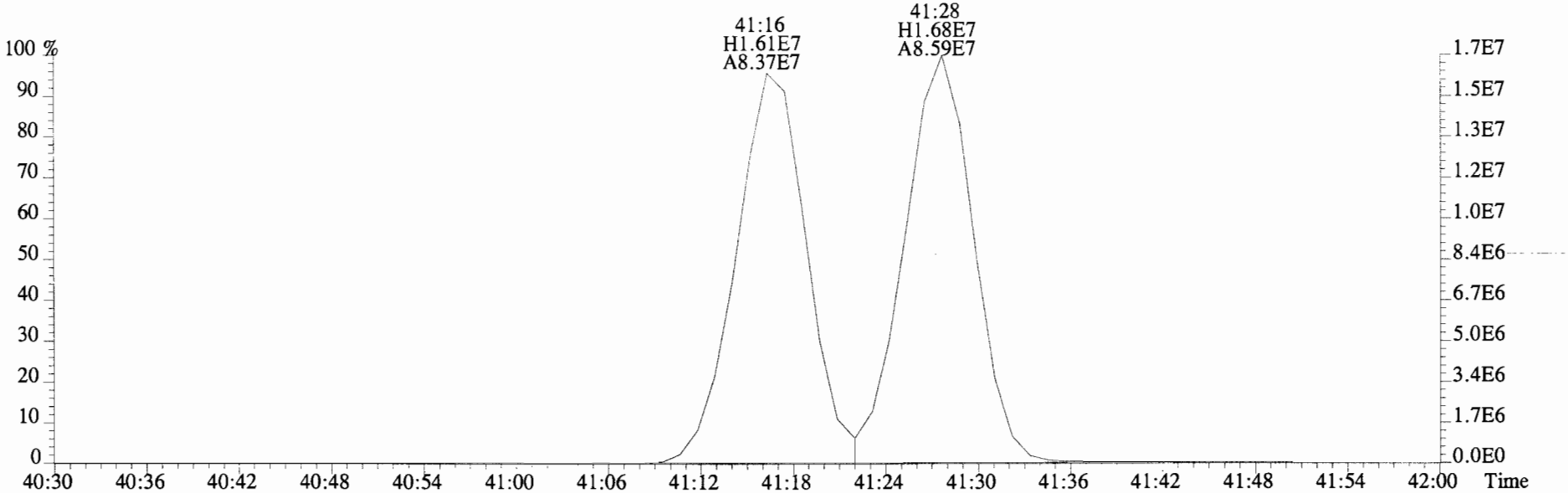

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3328.0,0.00%,F,F)



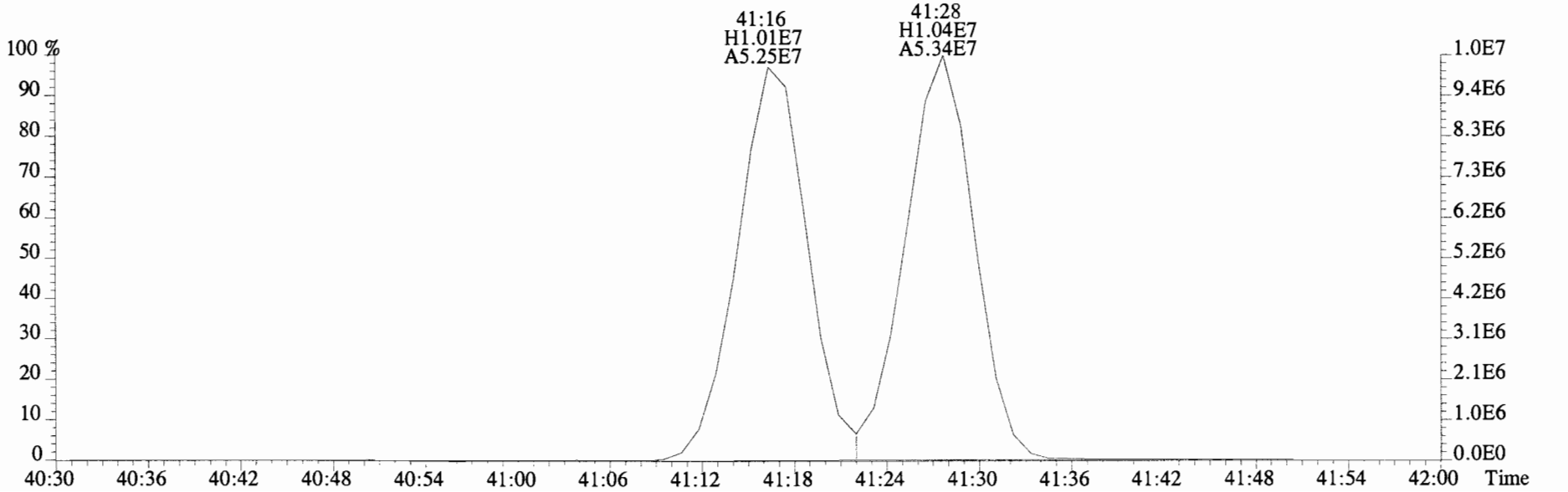

330.9792 S:3 F:3



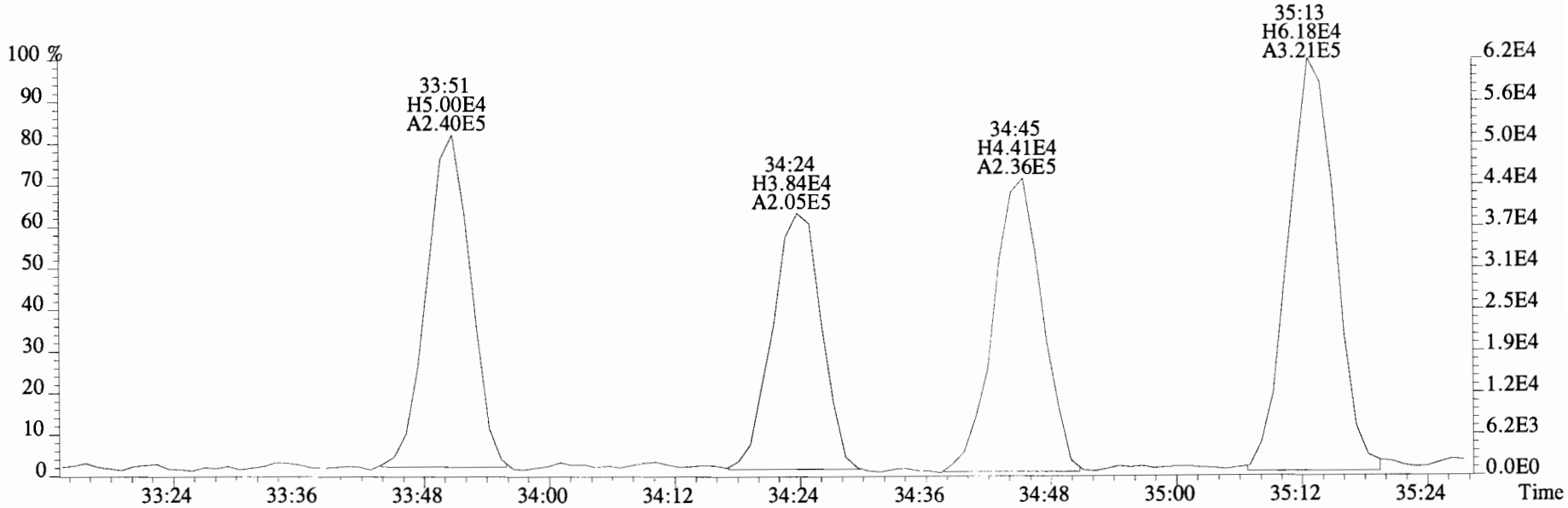
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4380.0,0.00%,F,F)



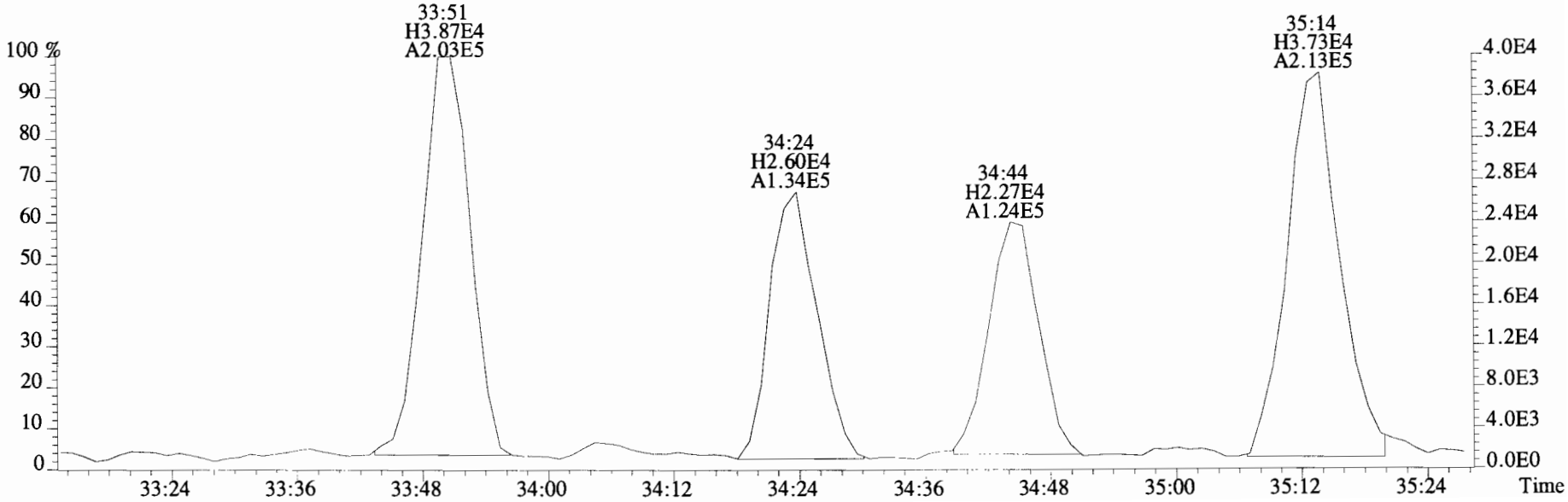

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3328.0,0.00%,F,F)



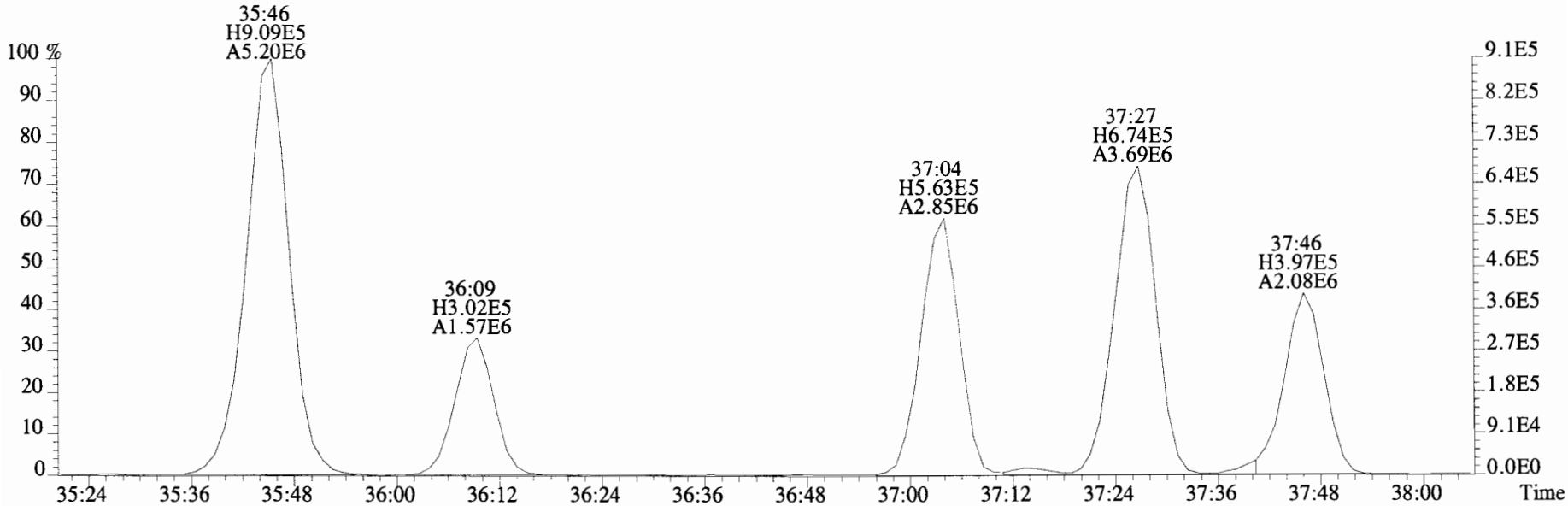
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



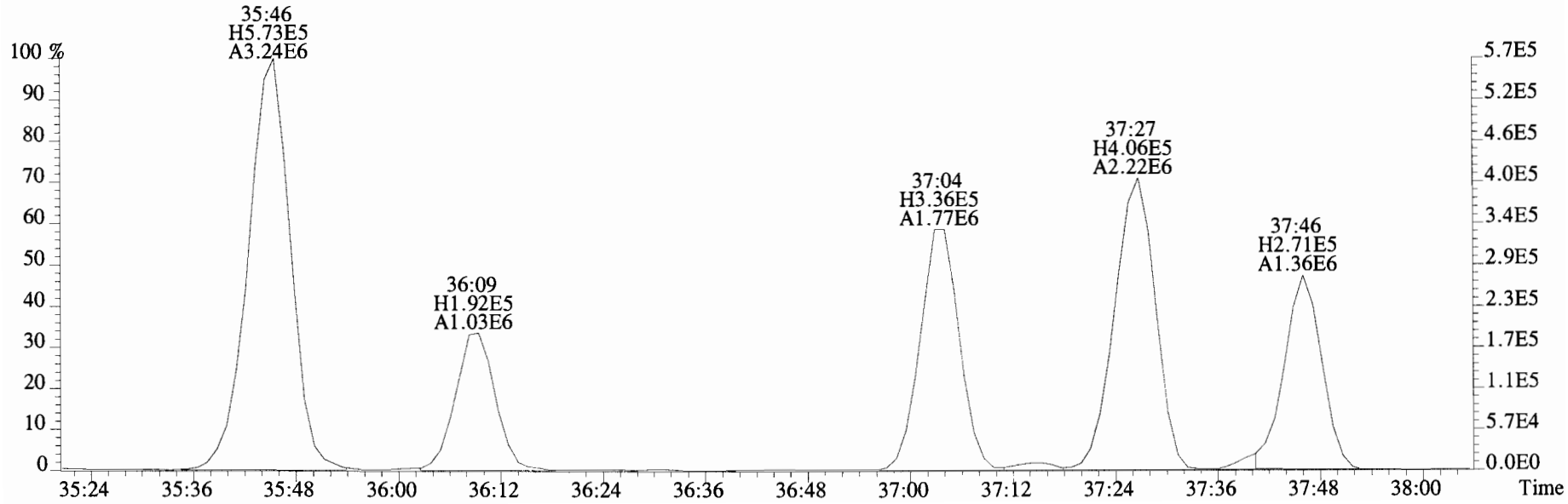

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



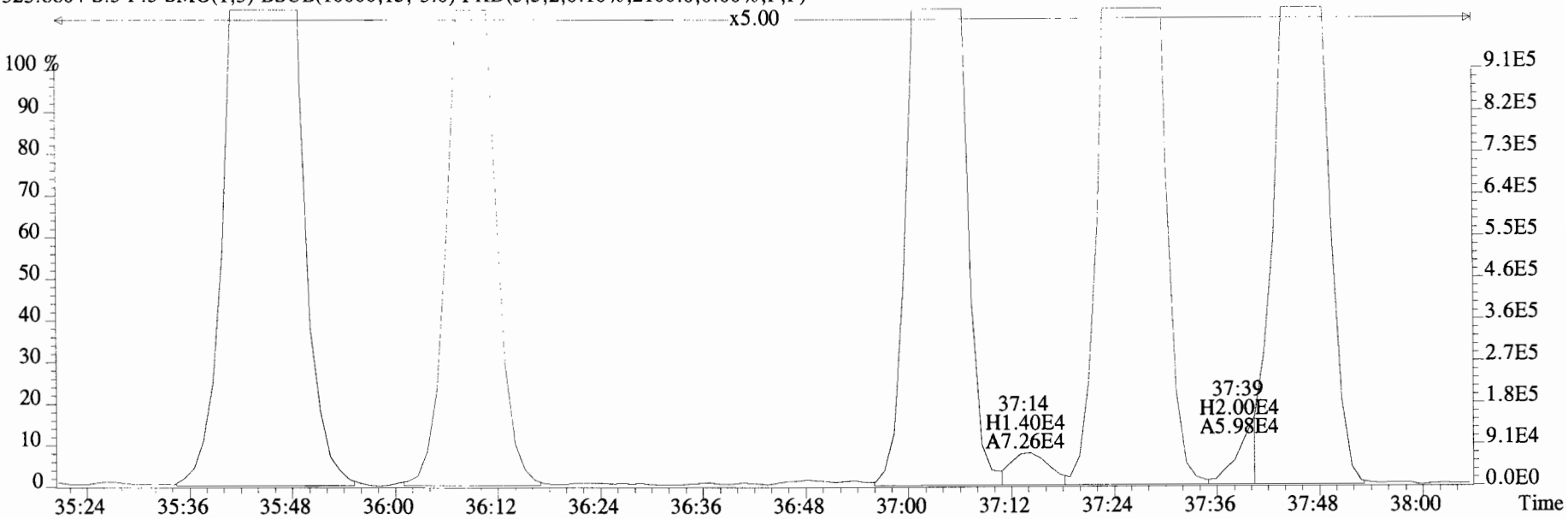
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



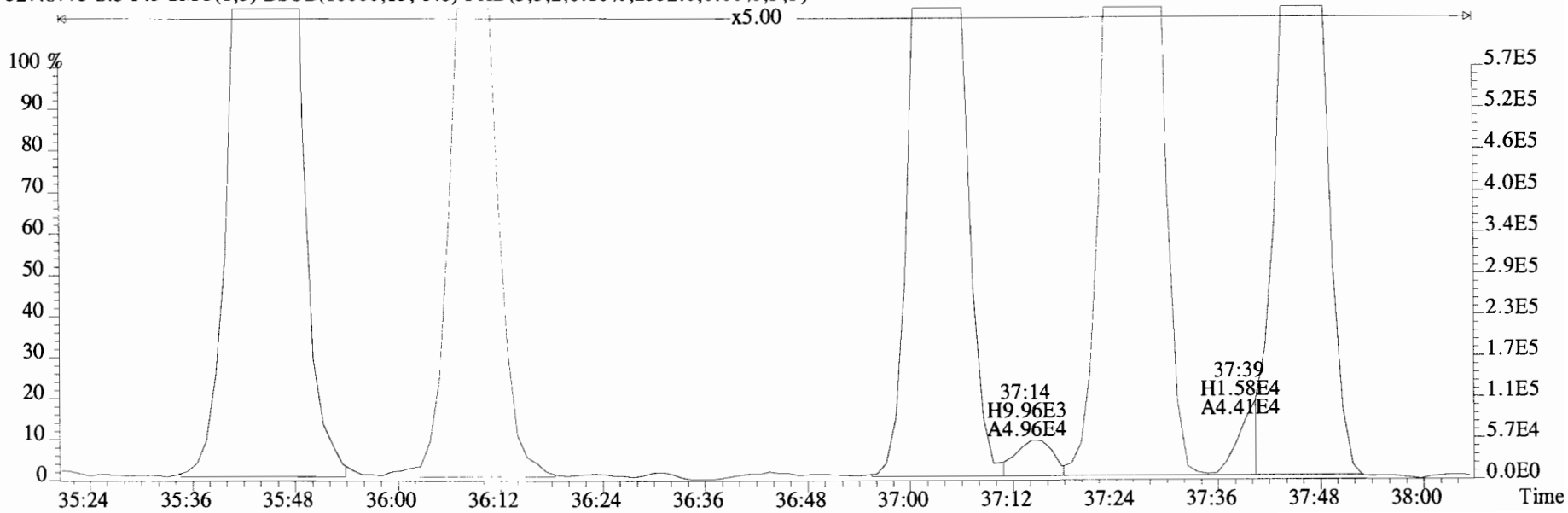

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



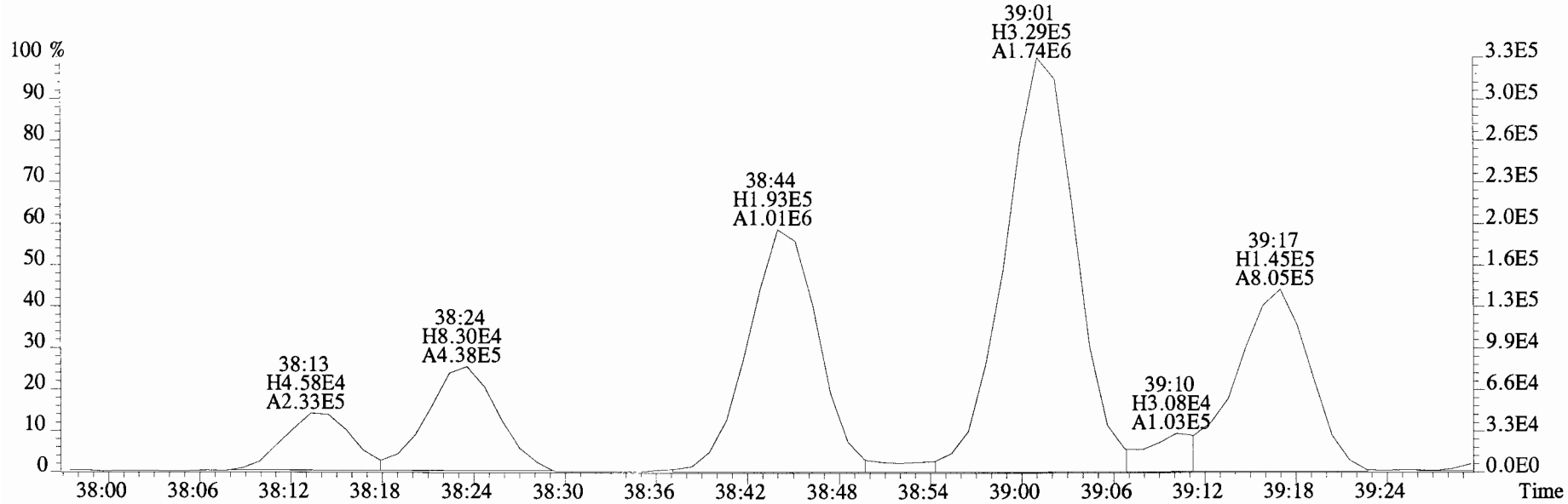
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



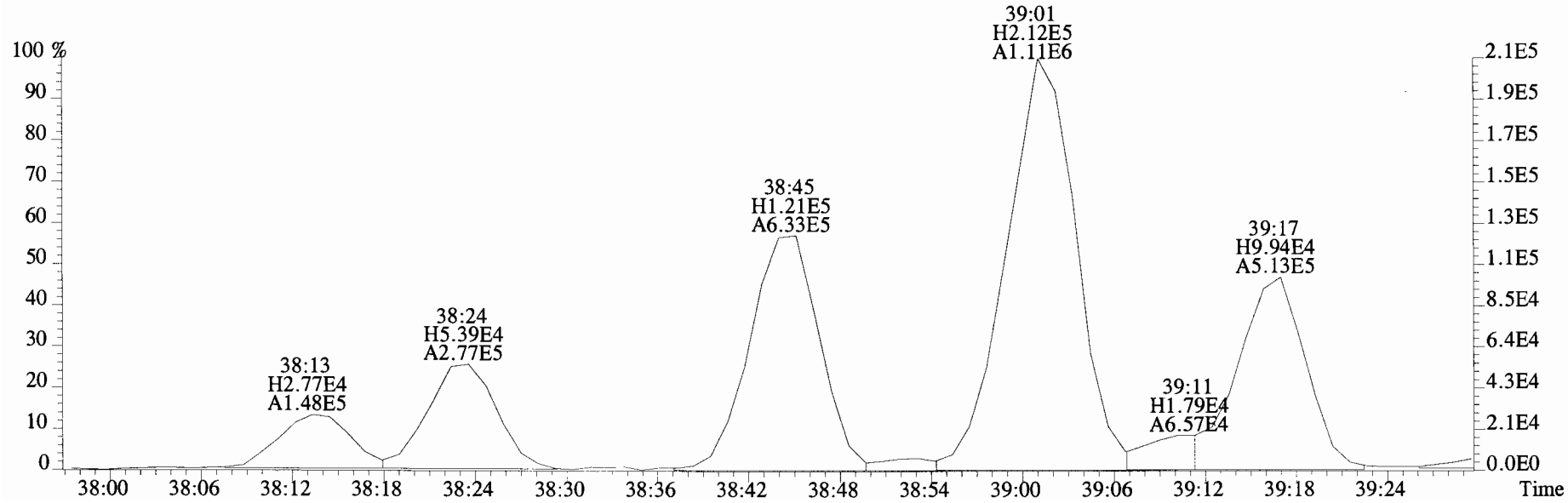

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



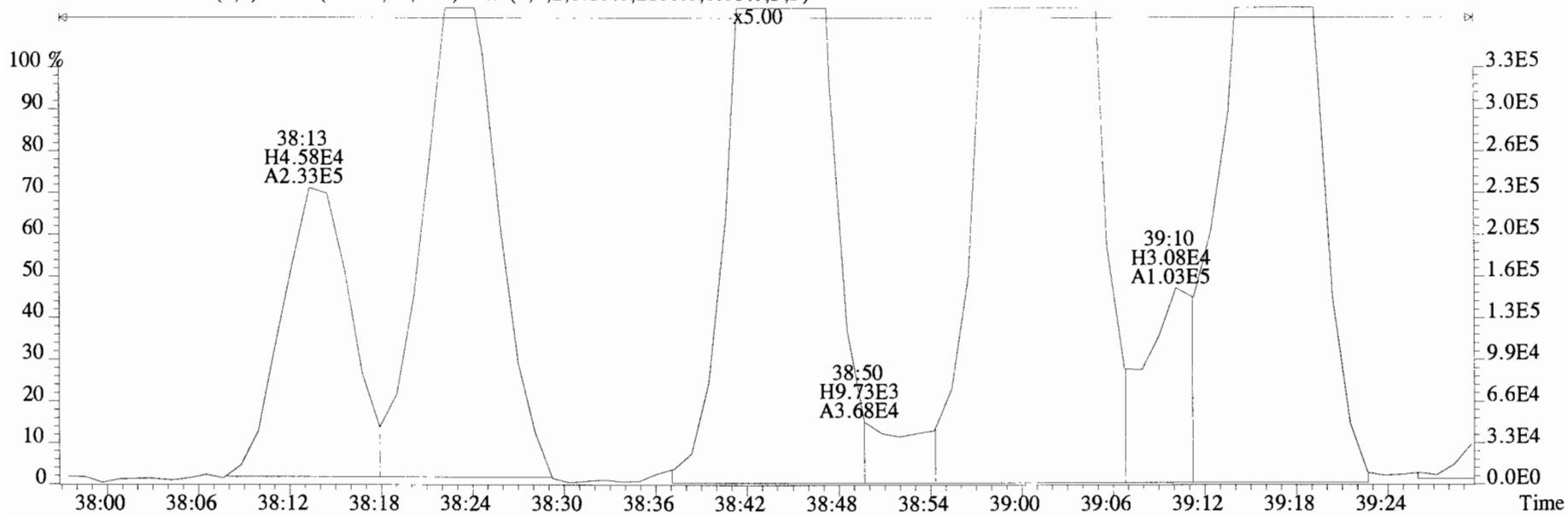
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



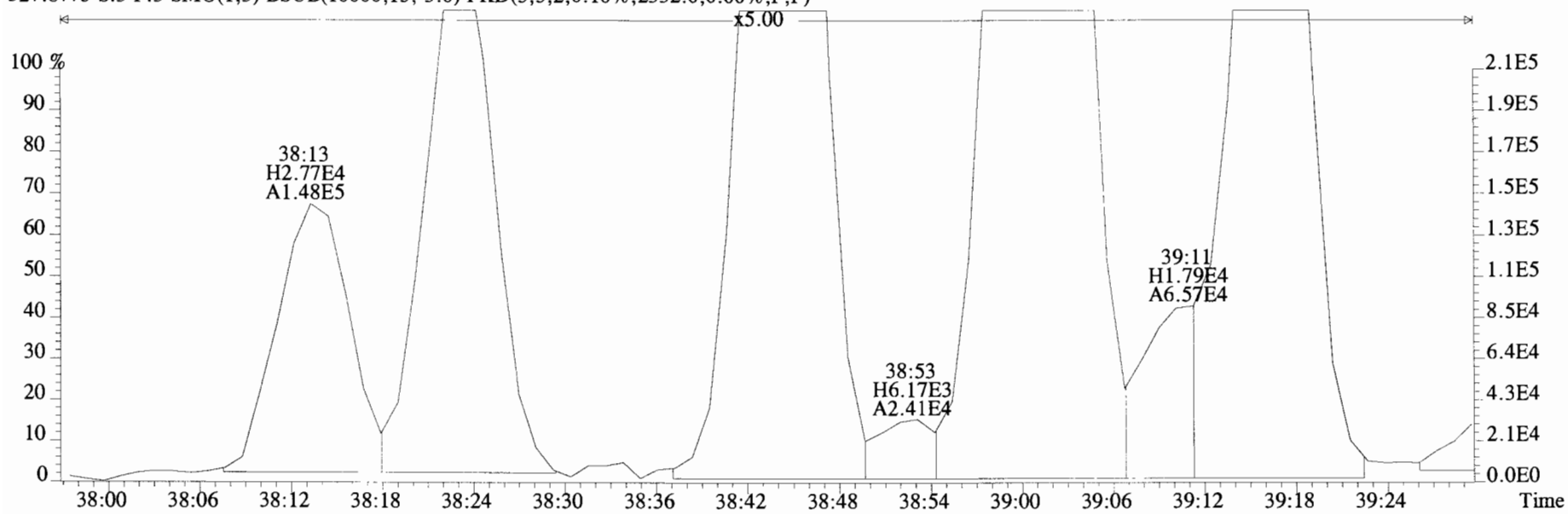

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



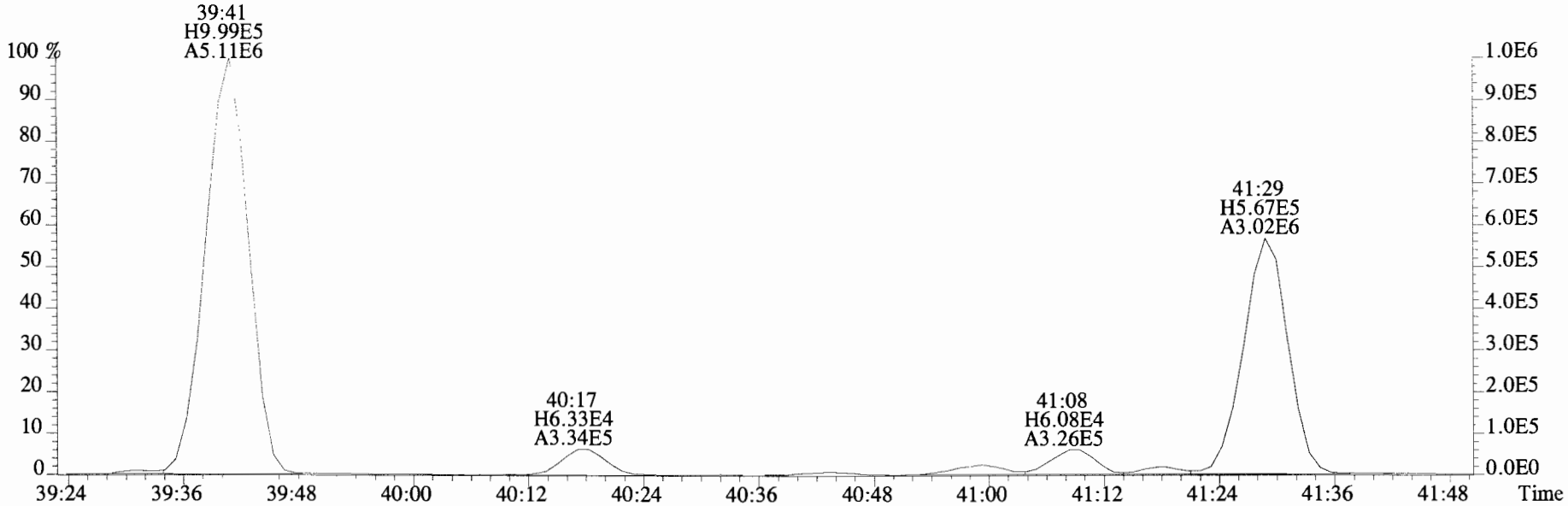
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



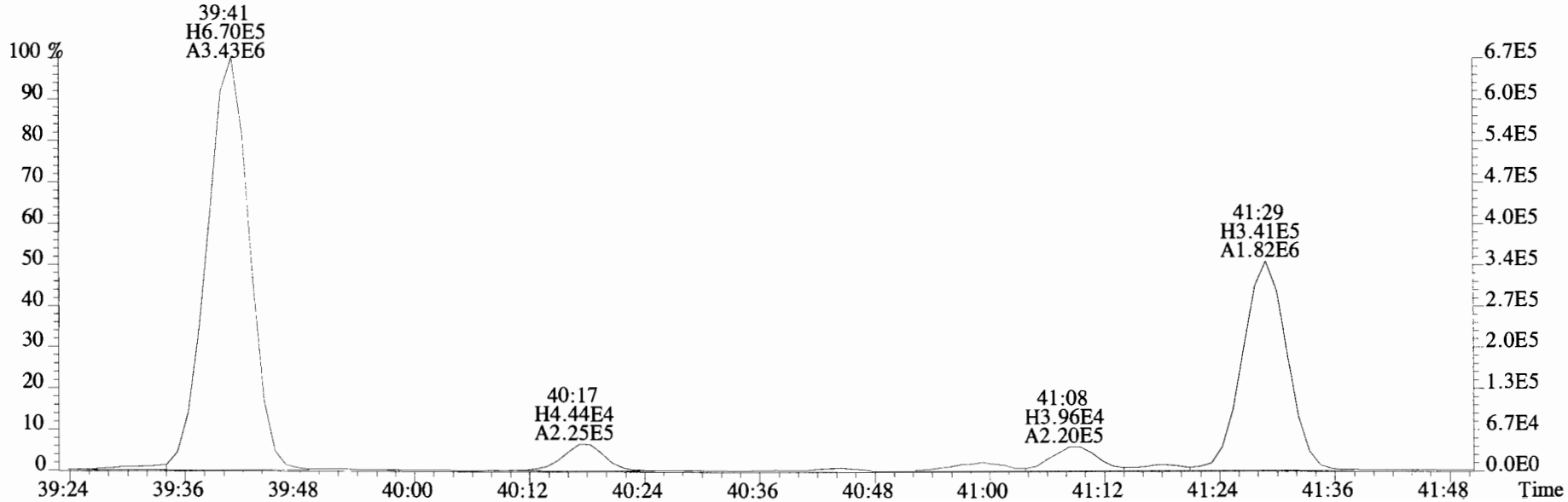

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



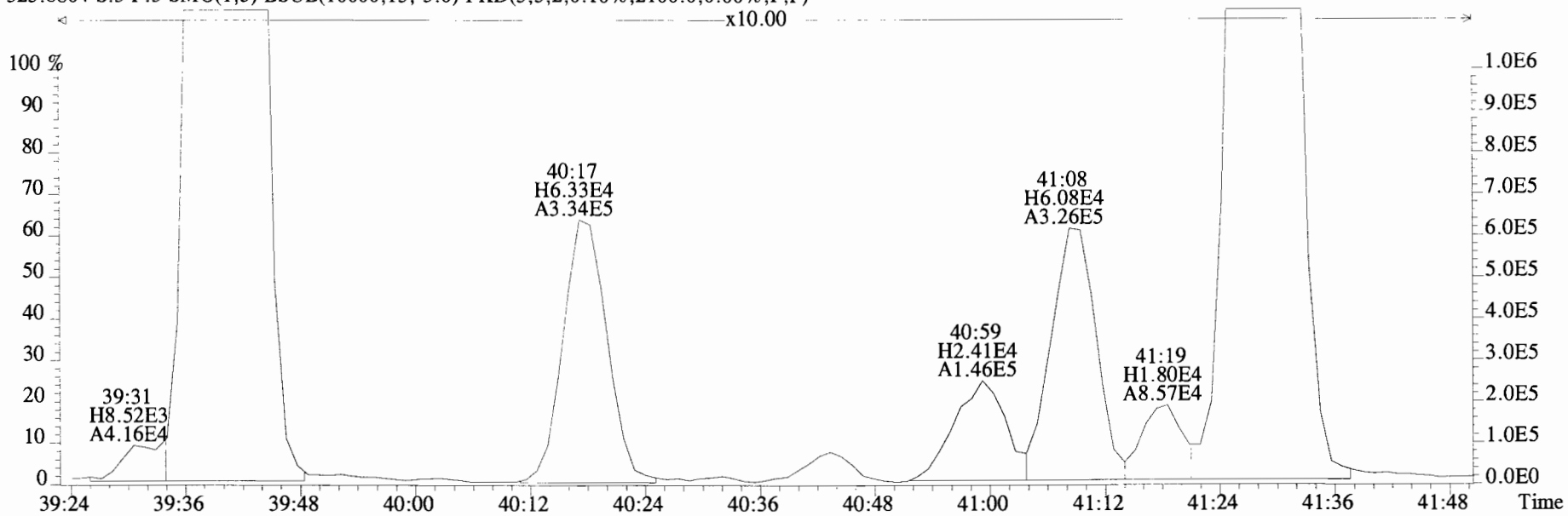
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)



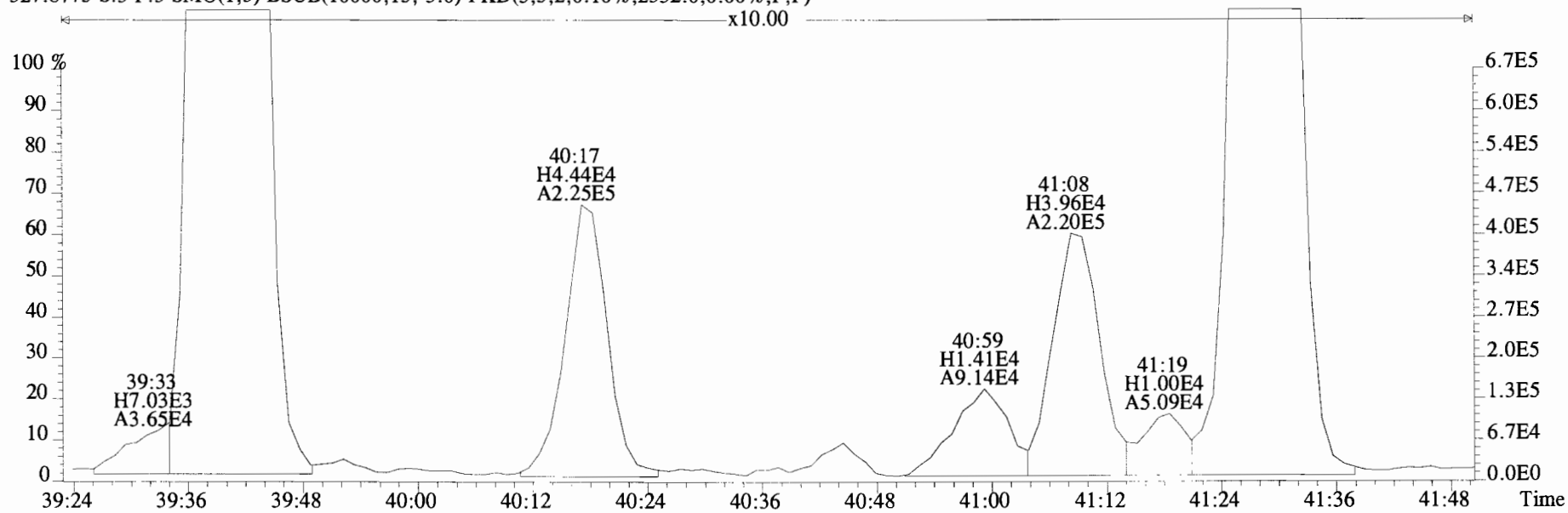

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2100.0,0.00%,F,F)

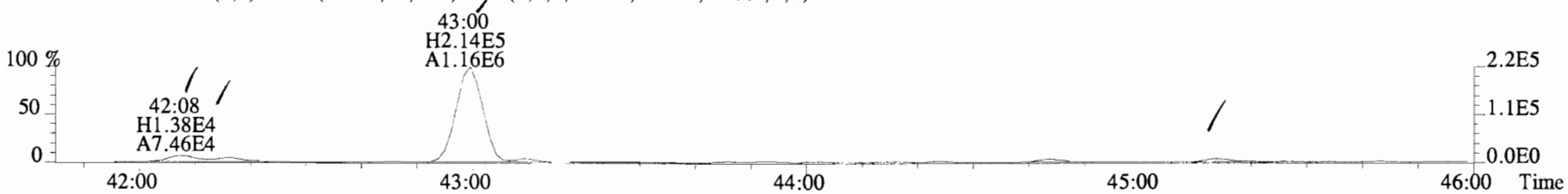



327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)

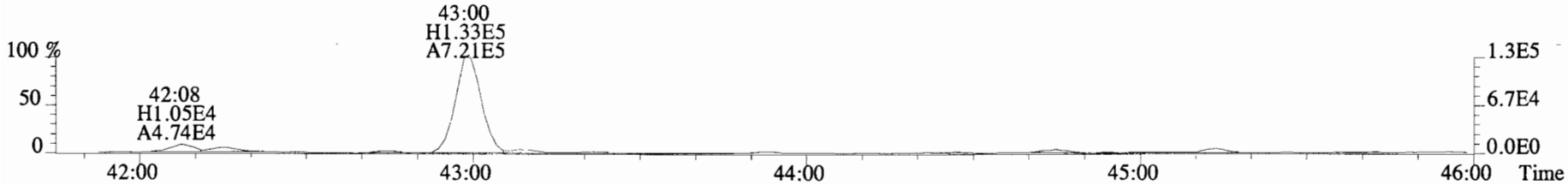


File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1

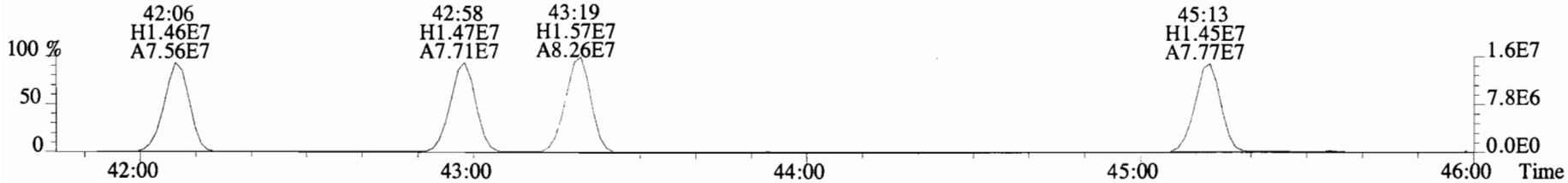
325.8804 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2240.0,0.00%,F,F)



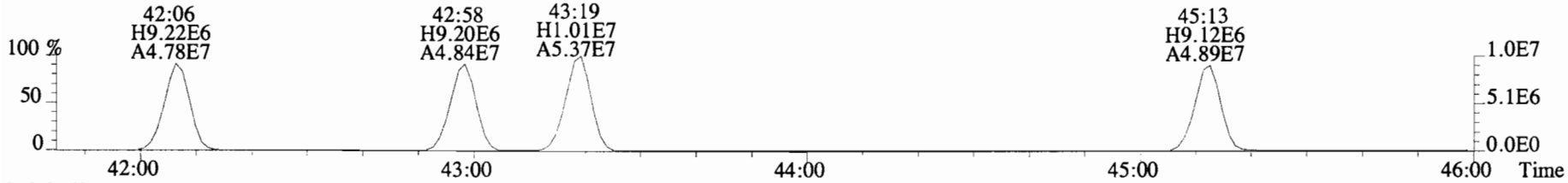

327.8775 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2040.0,0.00%,F,F)



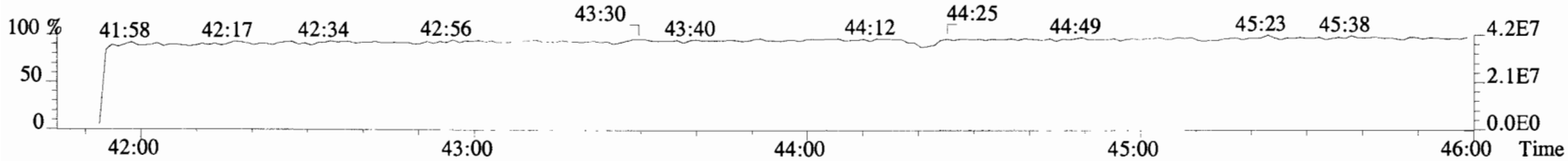

337.9207 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10708.0,0.00%,F,F)



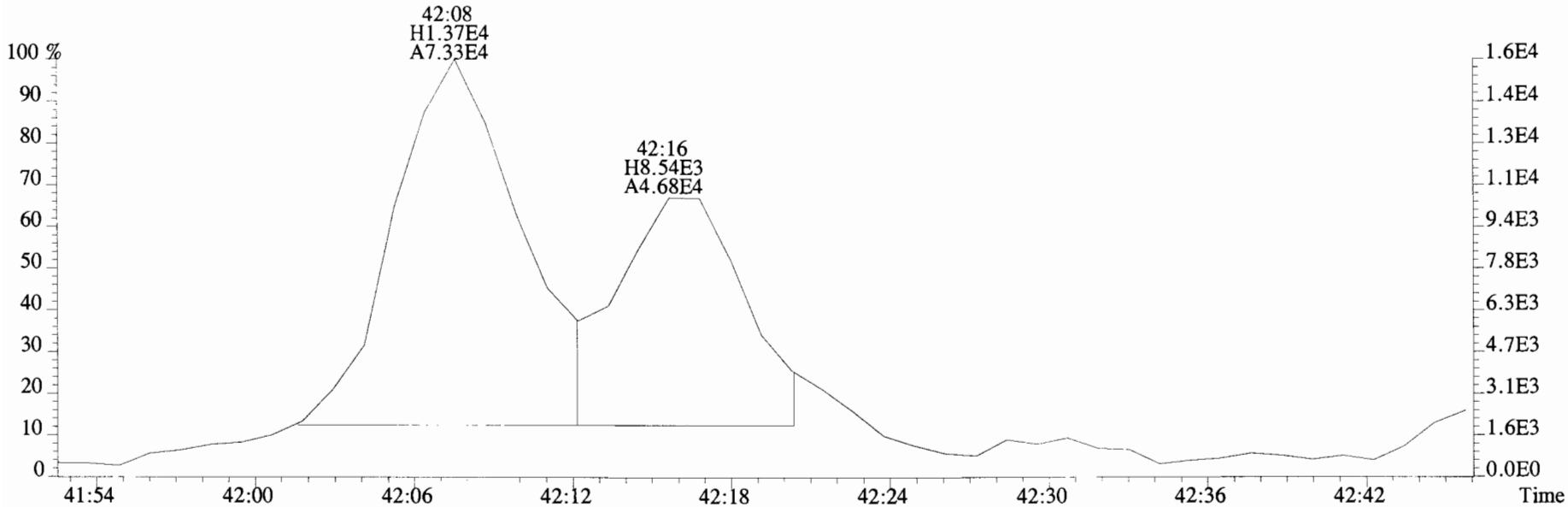

339.9177 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6240.0,0.00%,F,F)



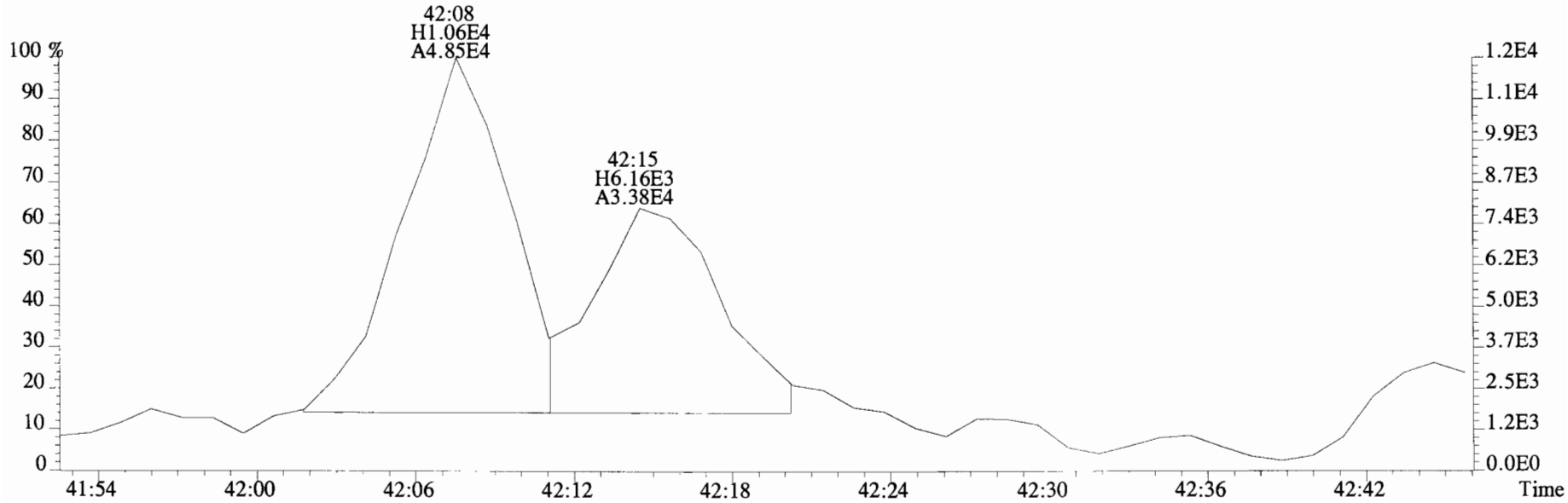

380.9760 S:3 F:4



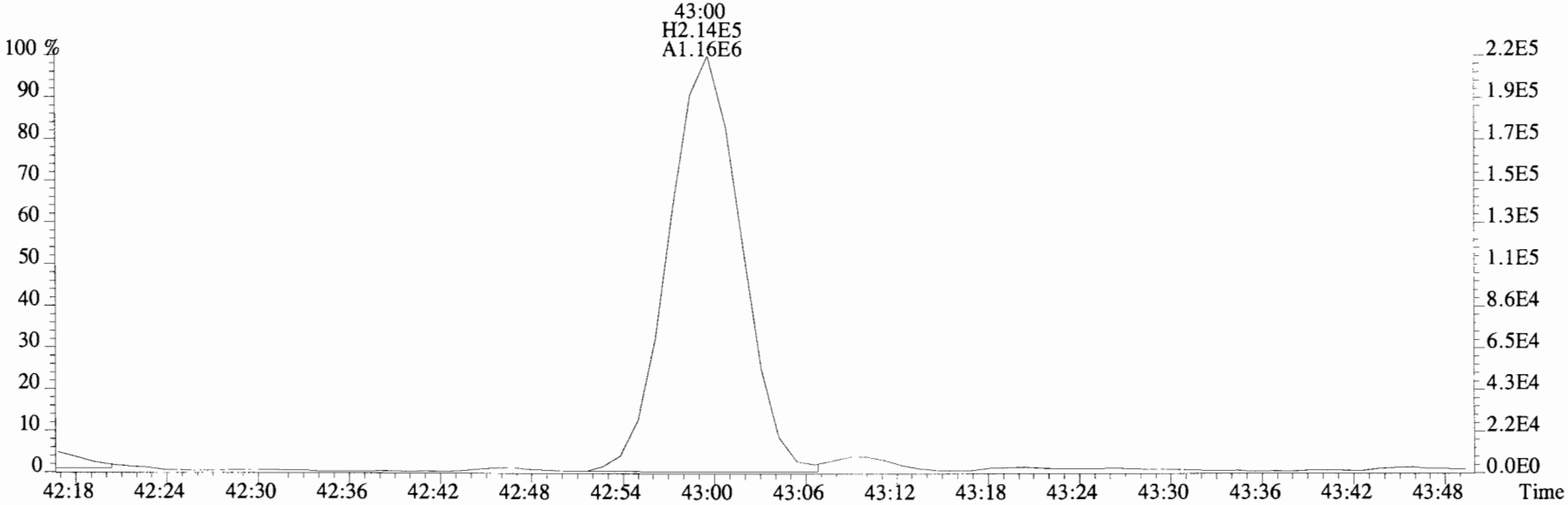
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2240.0,0.00%,F,F)



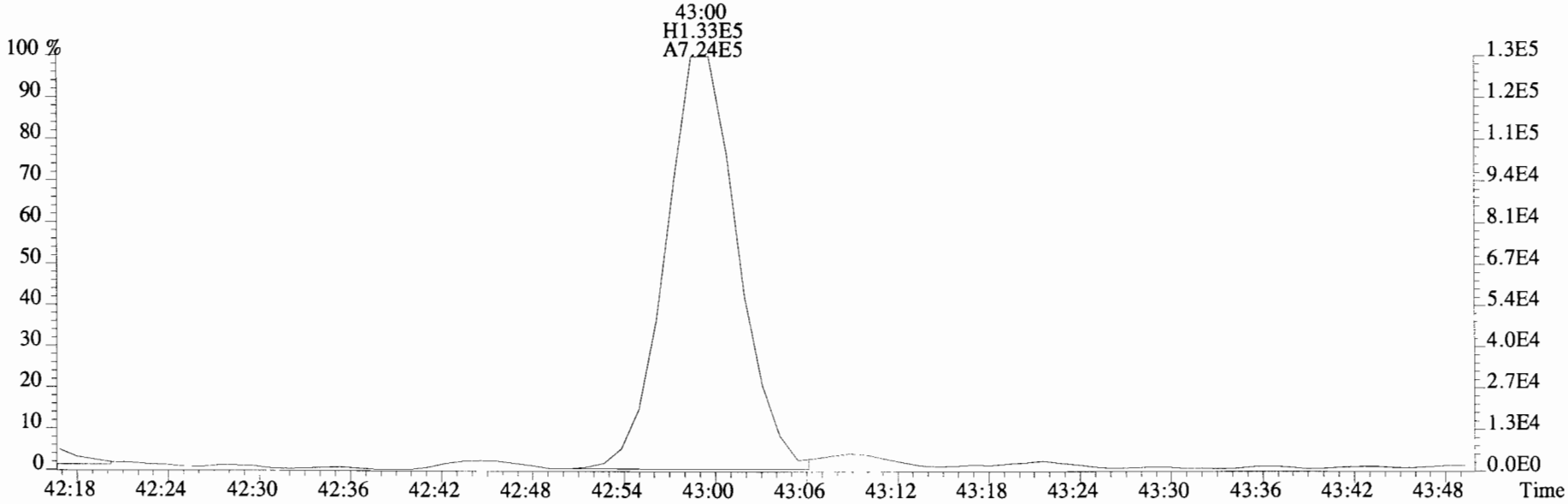

327.8775 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2040.0,0.00%,F,F)



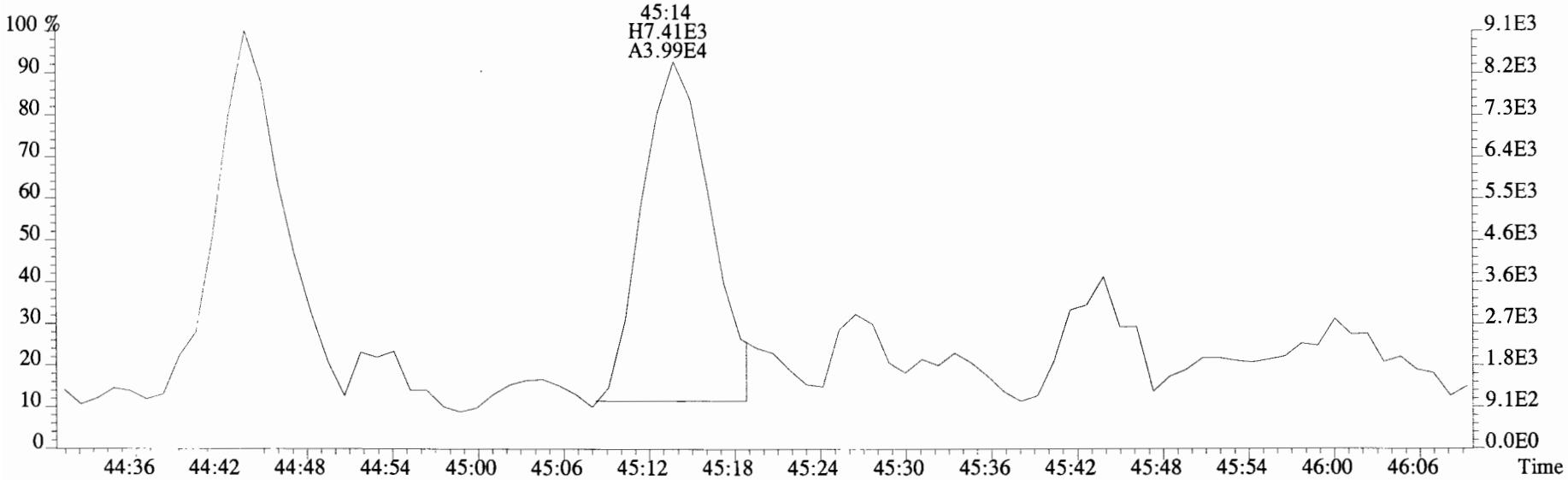
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2240.0,0.00%,F,F)



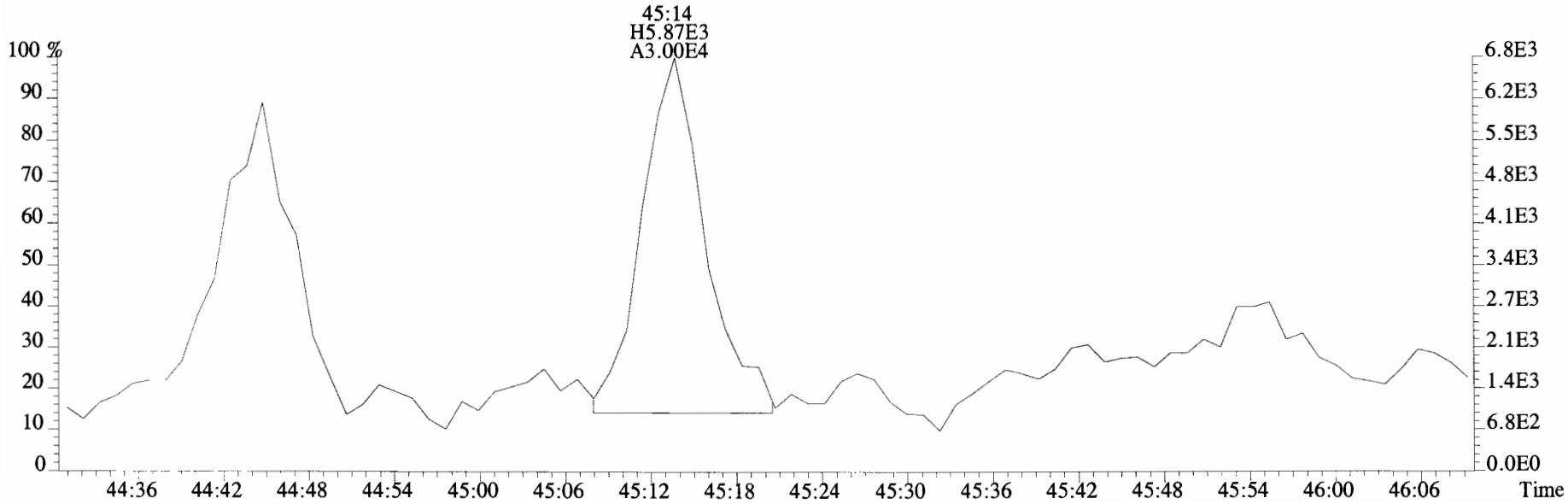

327.8775 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2040.0,0.00%,F,F)



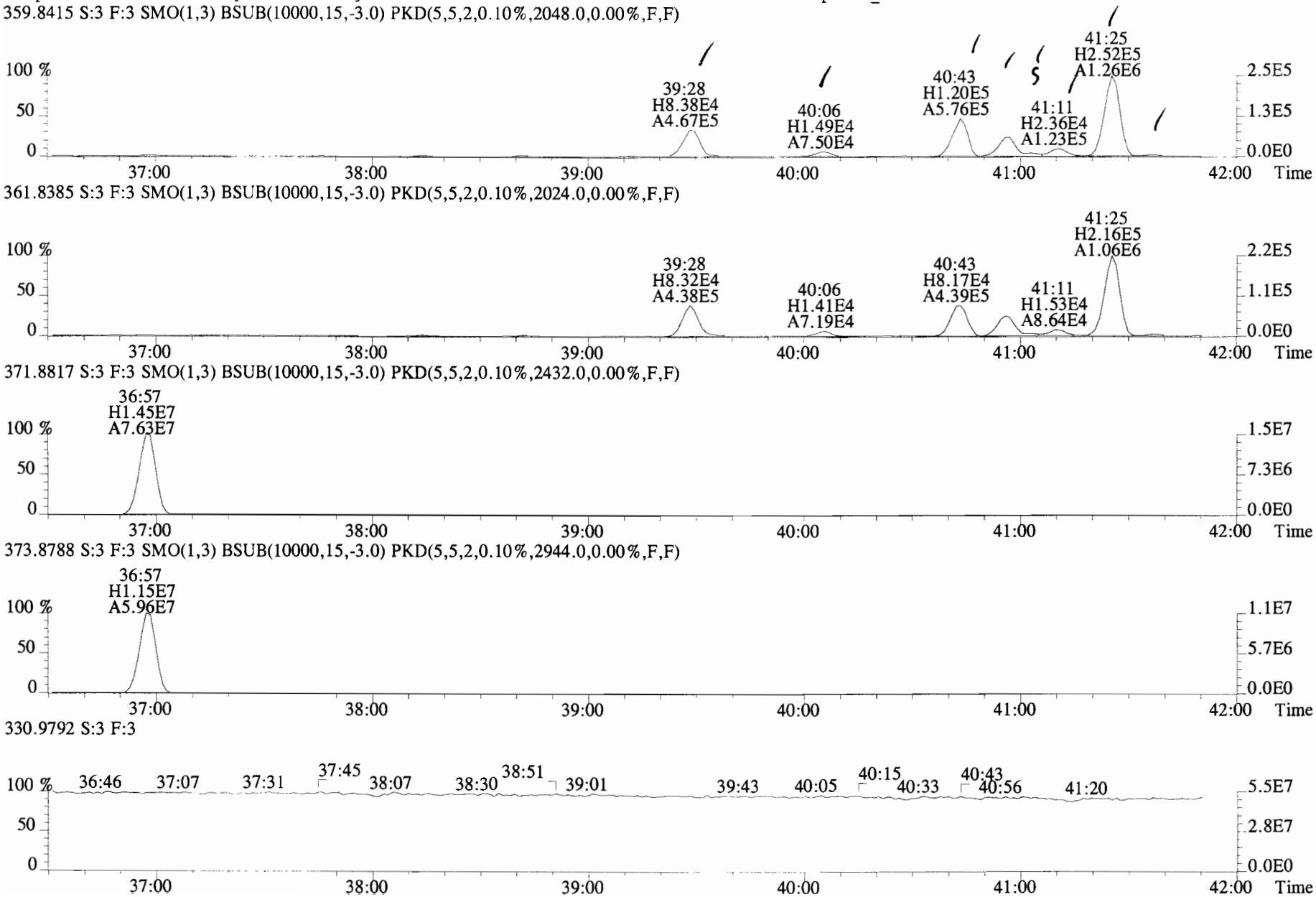
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
325.8804 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2240.0,0.00%,F,F)



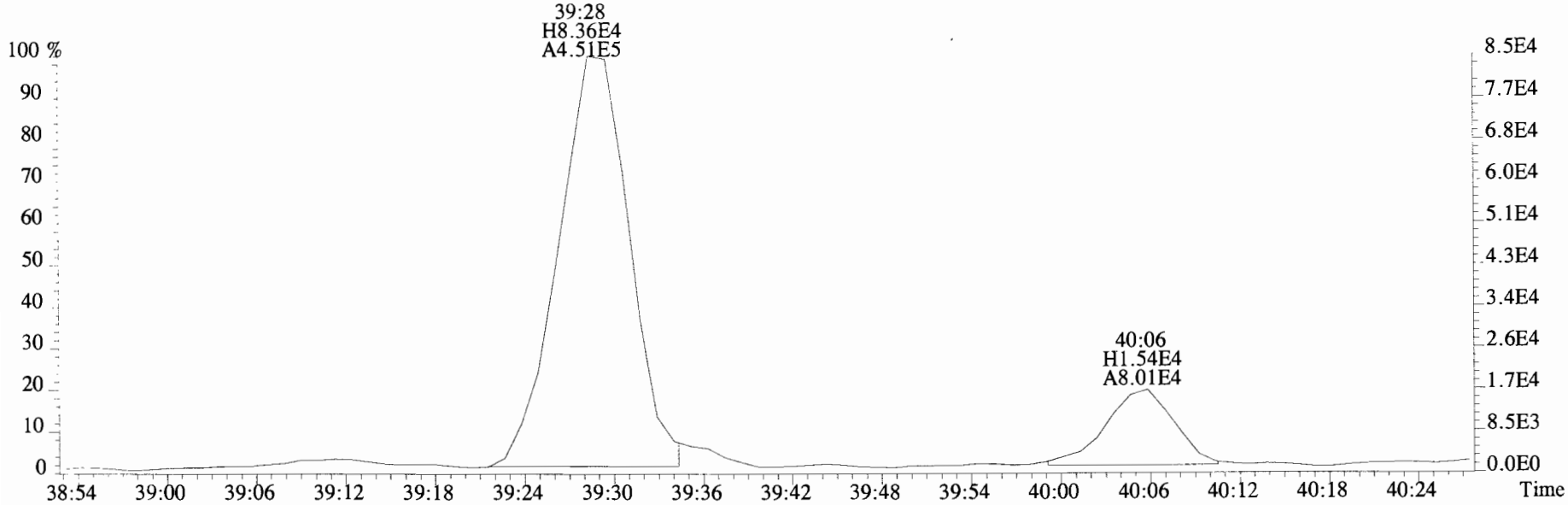

327.8775 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2040.0,0.00%,F,F)



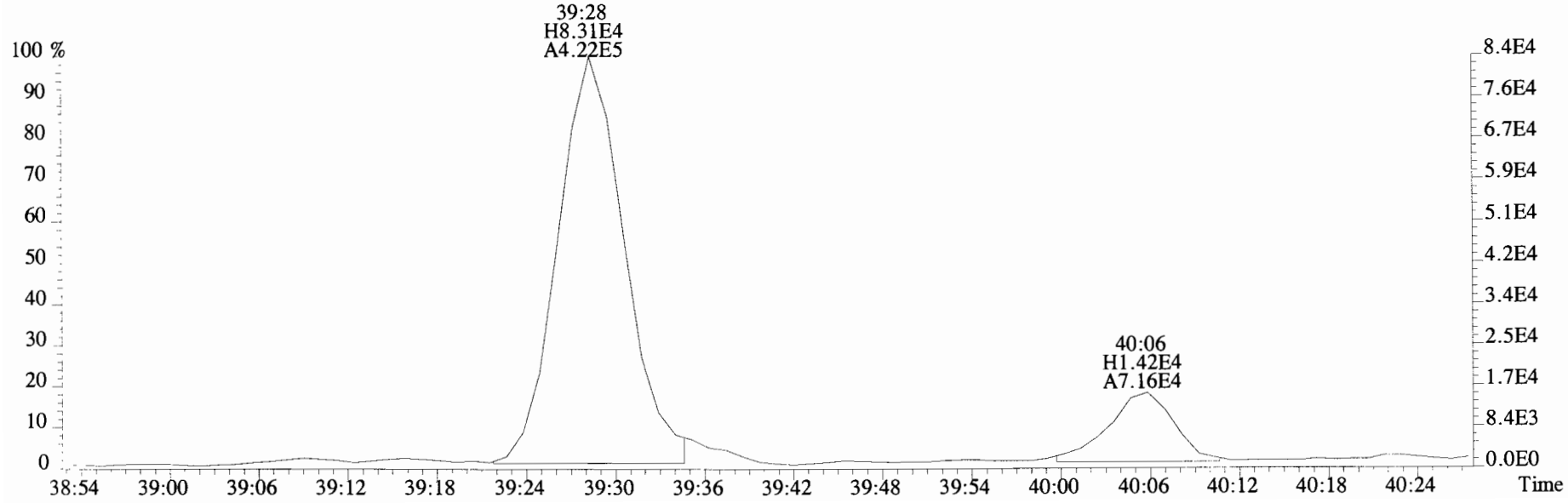
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1



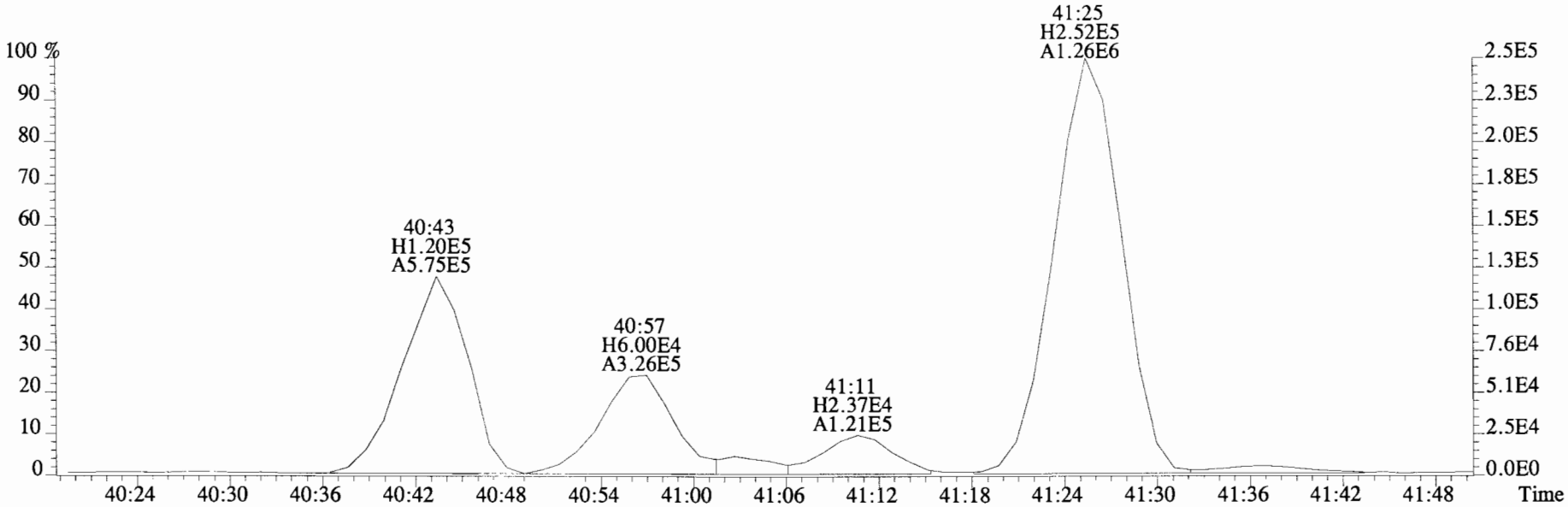
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2048.0,0.00%,F,F)



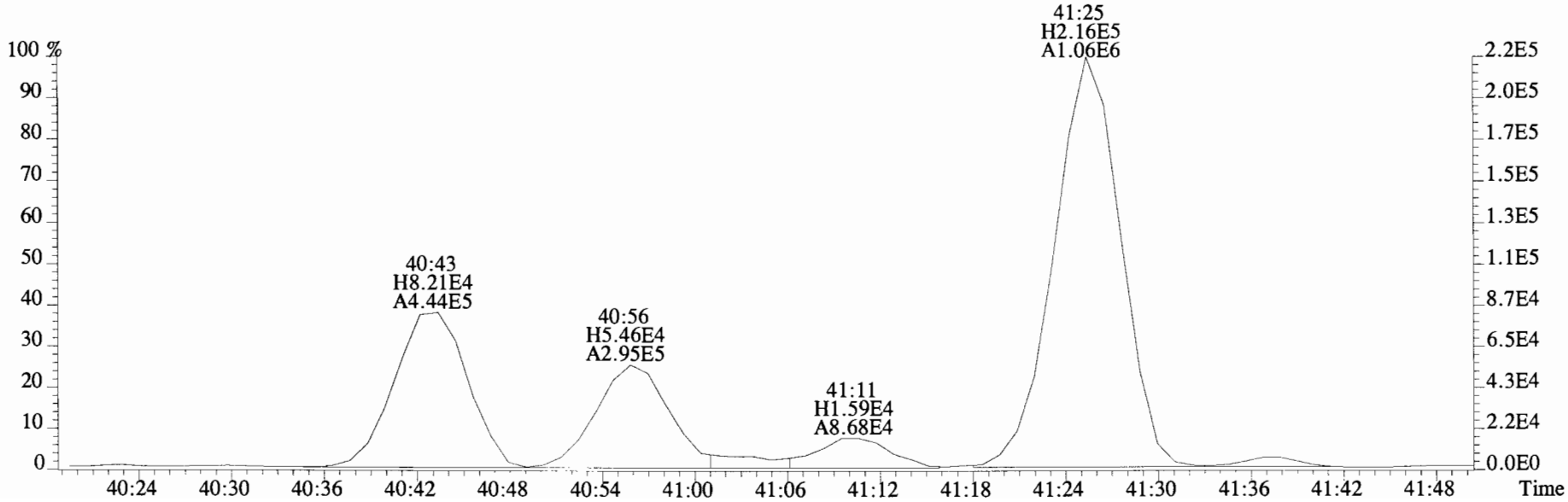

361.8385 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2024.0,0.00%,F,F)



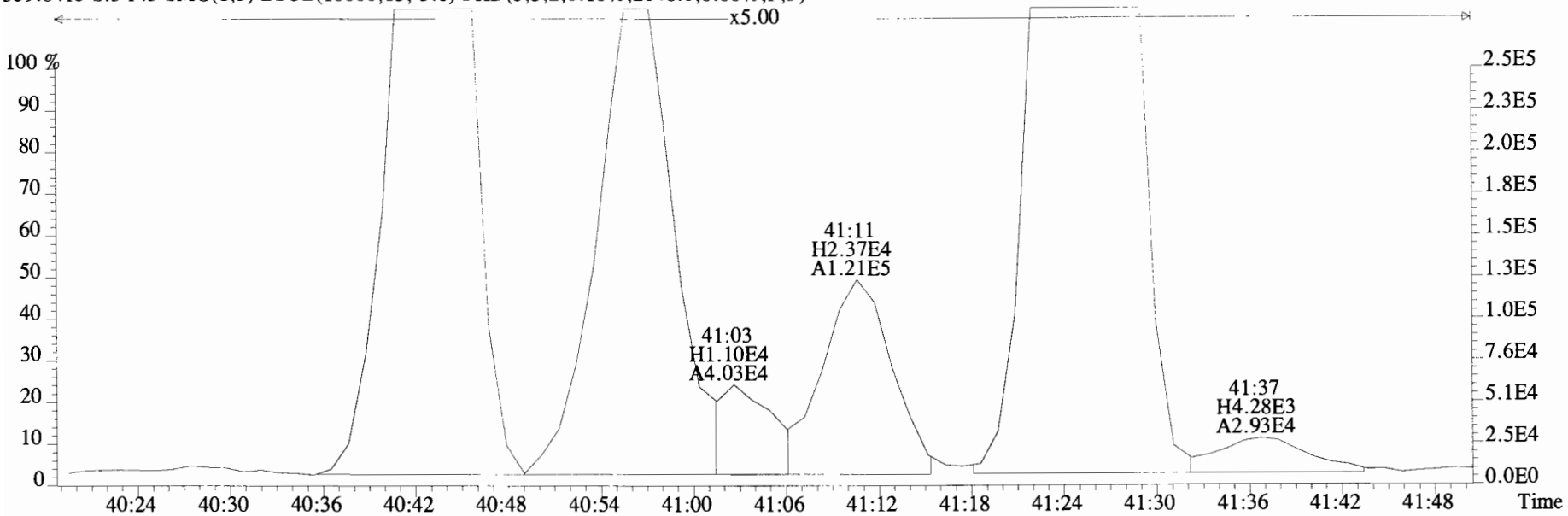
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2048.0,0.00%,F,F)



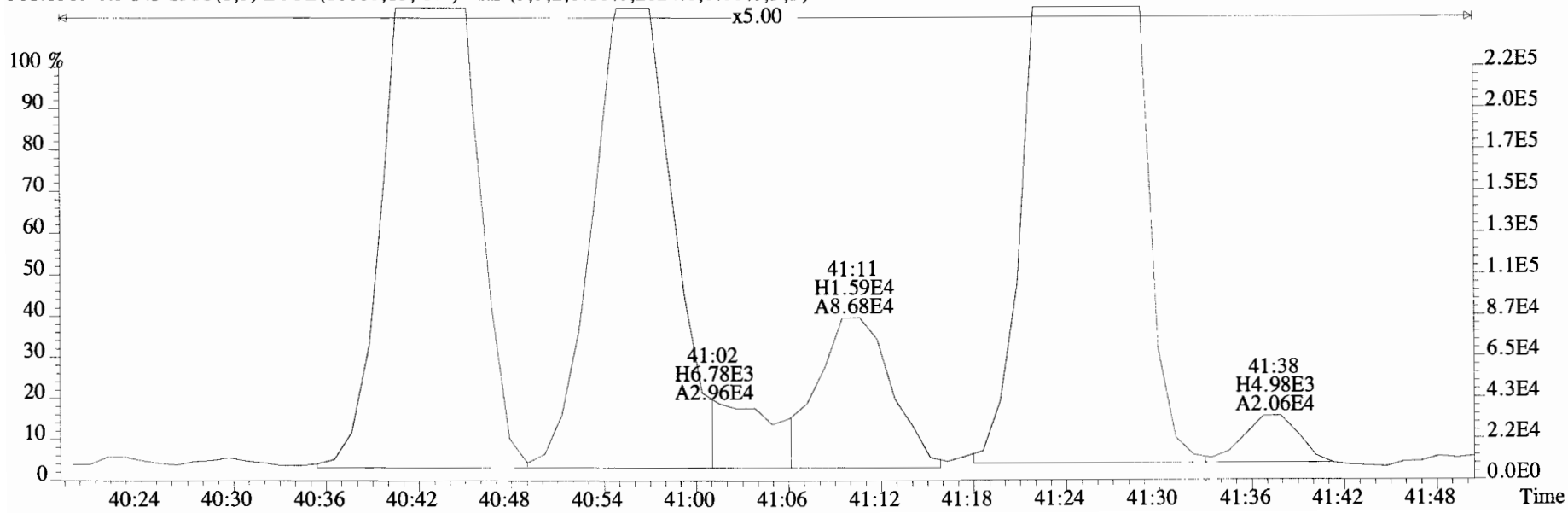

361.8385 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2024.0,0.00%,F,F)



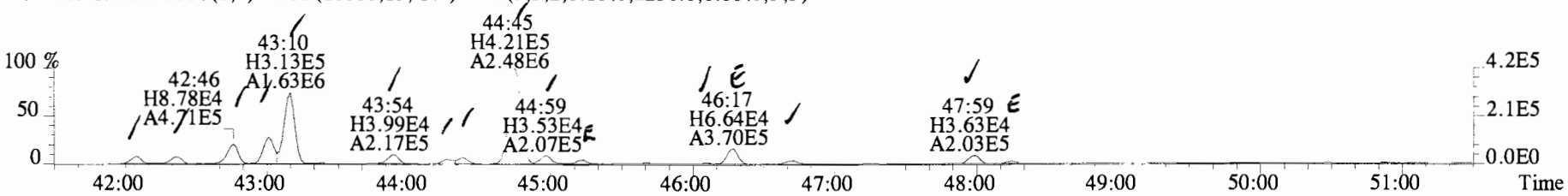
File:180409E2 #1-756 Acq:10-APR-2018 08:57:40 GC E1+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2048.0,0.00%,F,F)



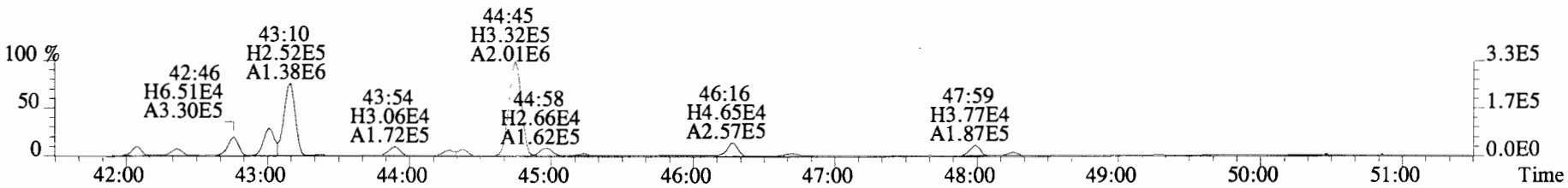

361.8385 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2024.0,0.00%,F,F)



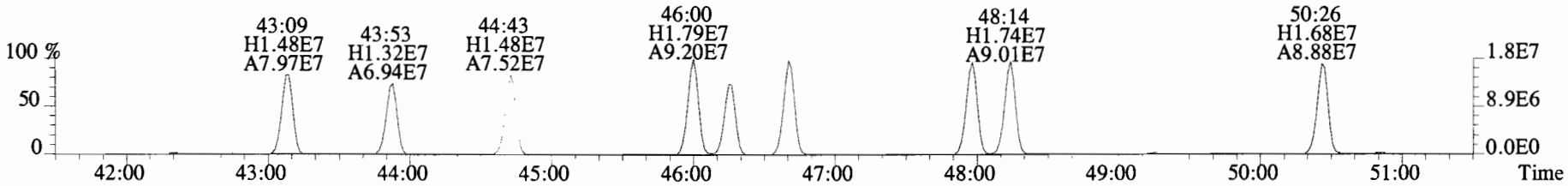
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



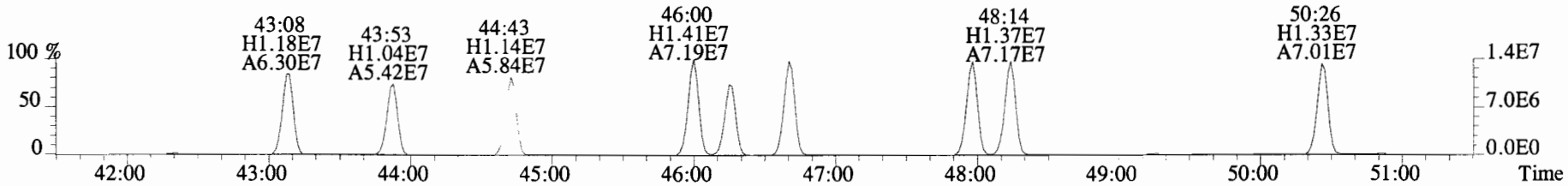

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



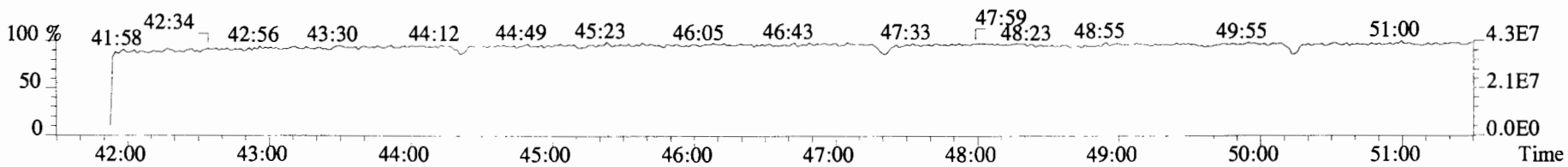

371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15132.0,0.00%,F,F)



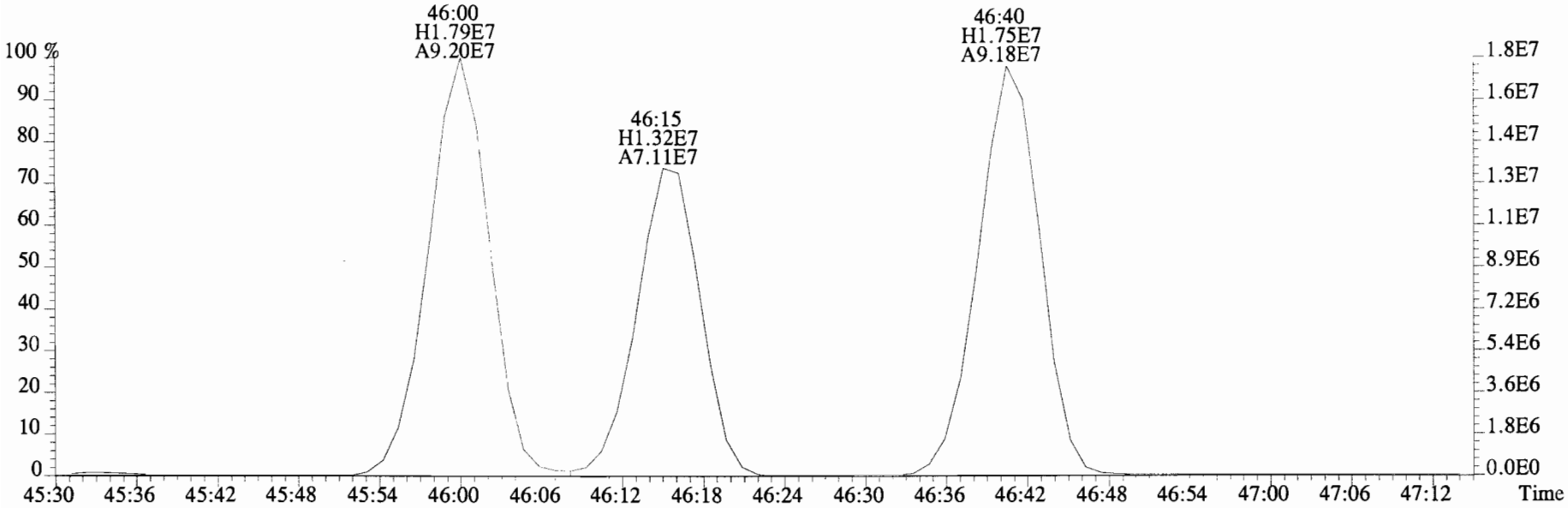

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12924.0,0.00%,F,F)



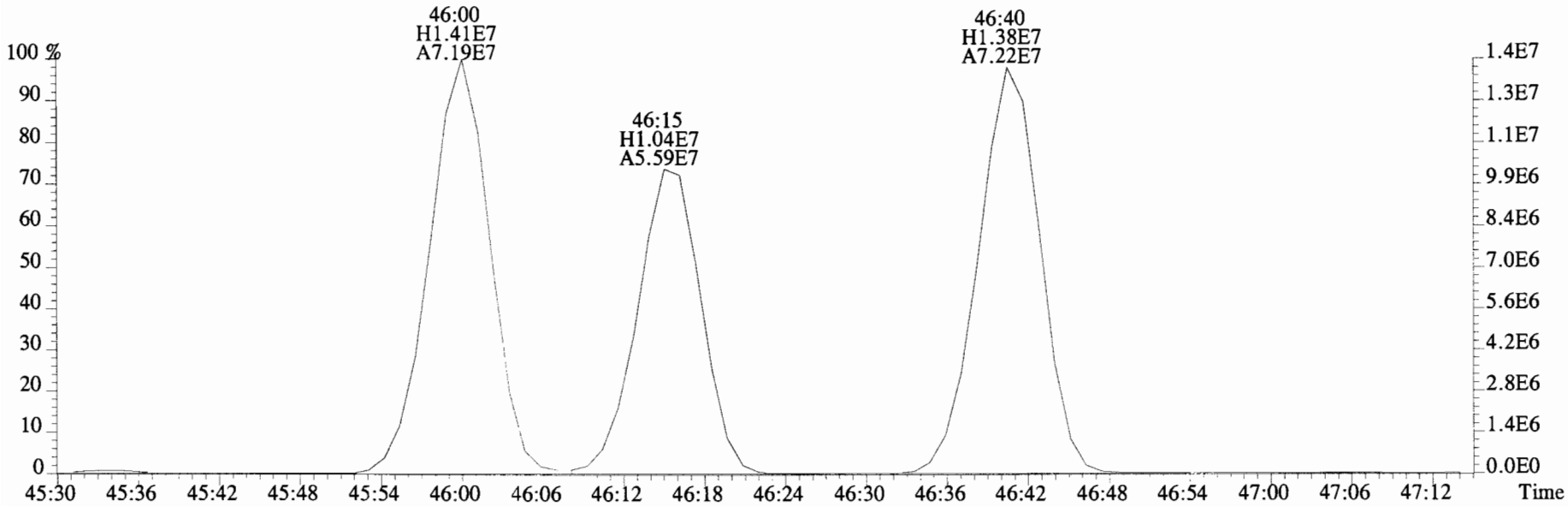

380.9760 S:3 F:4



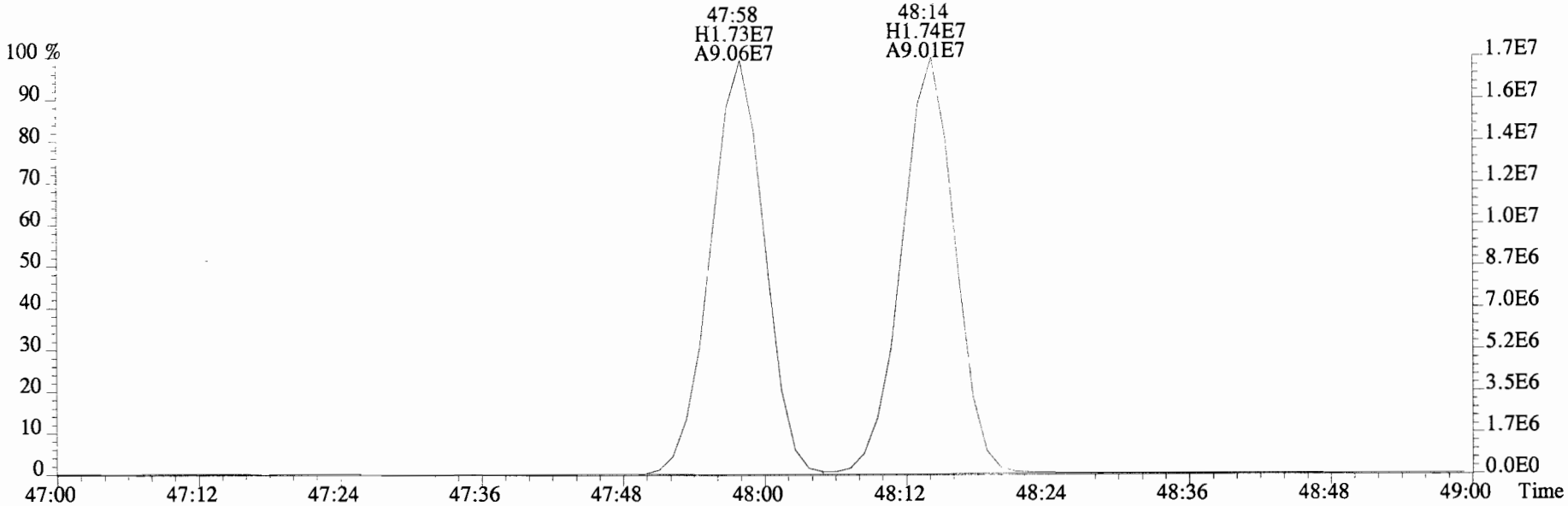
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15132.0,0.00%,F,F)



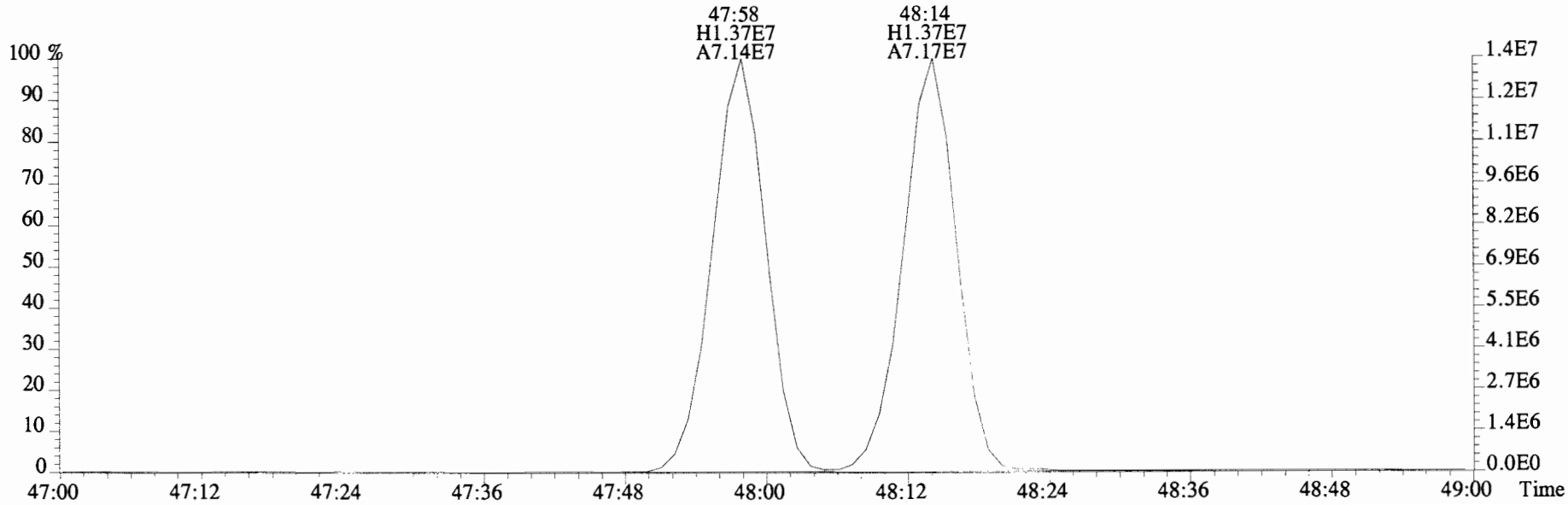

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12924.0,0.00%,F,F)



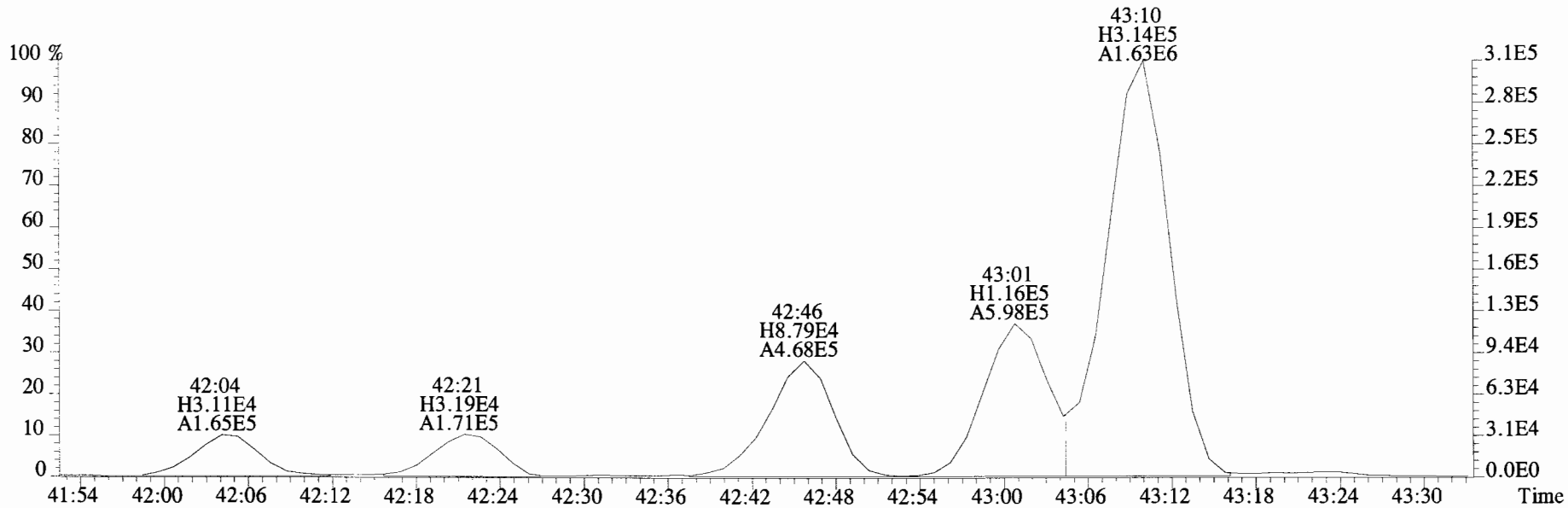
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15132.0,0.00%,F,F)



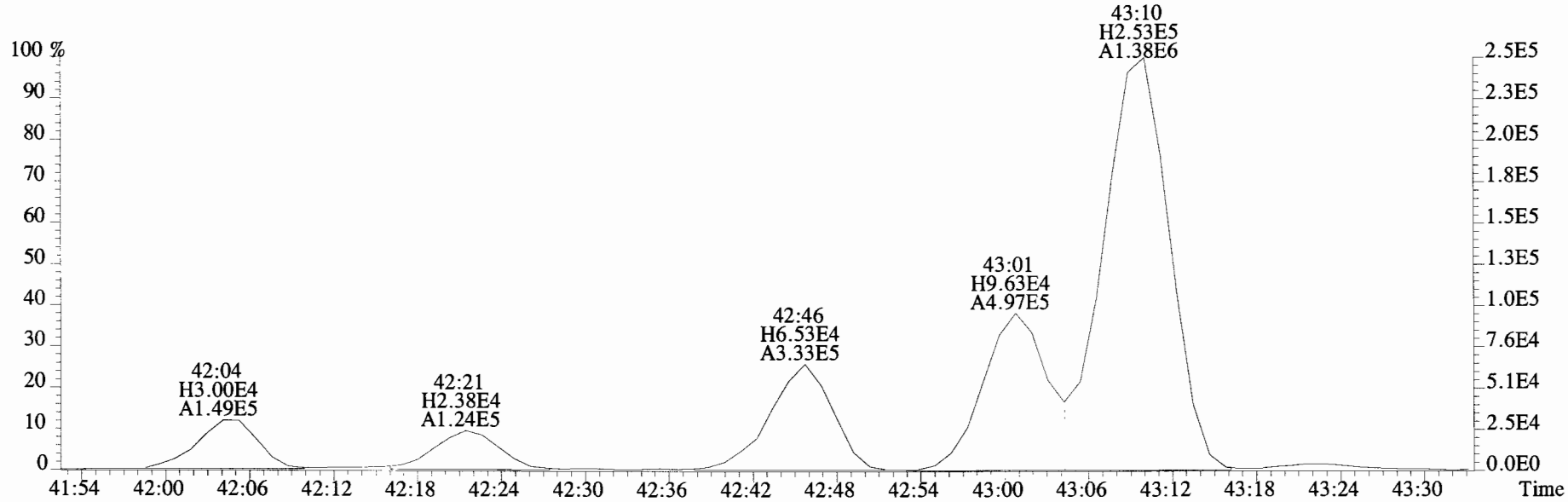

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12924.0,0.00%,F,F)



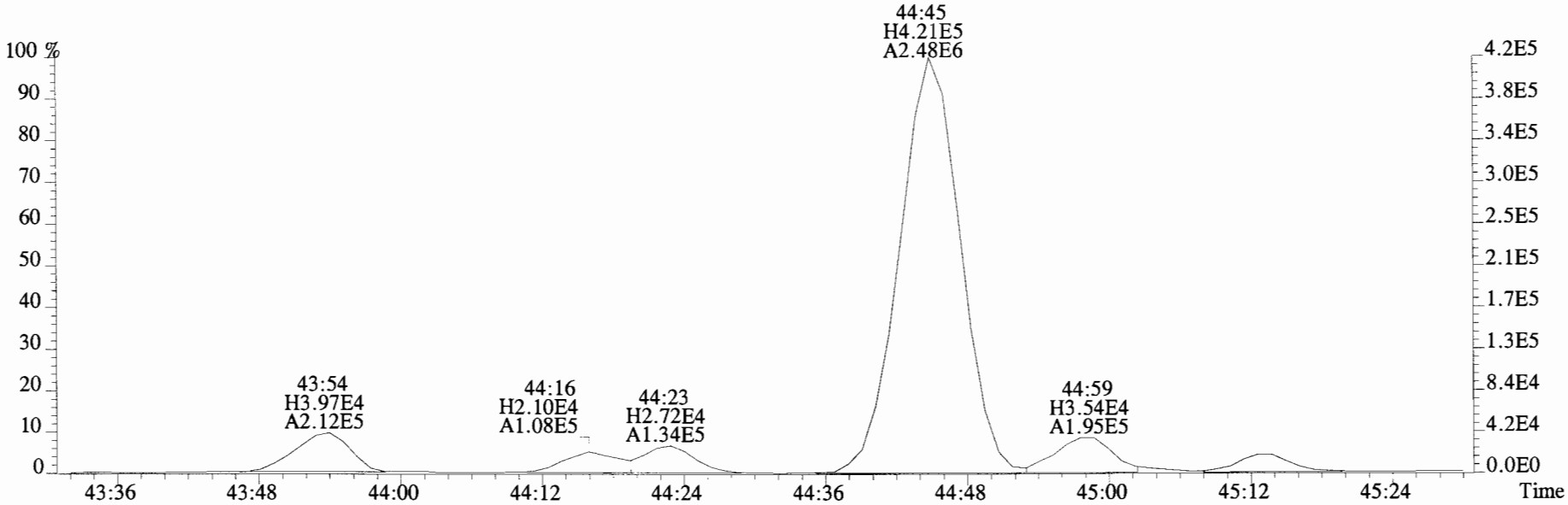
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



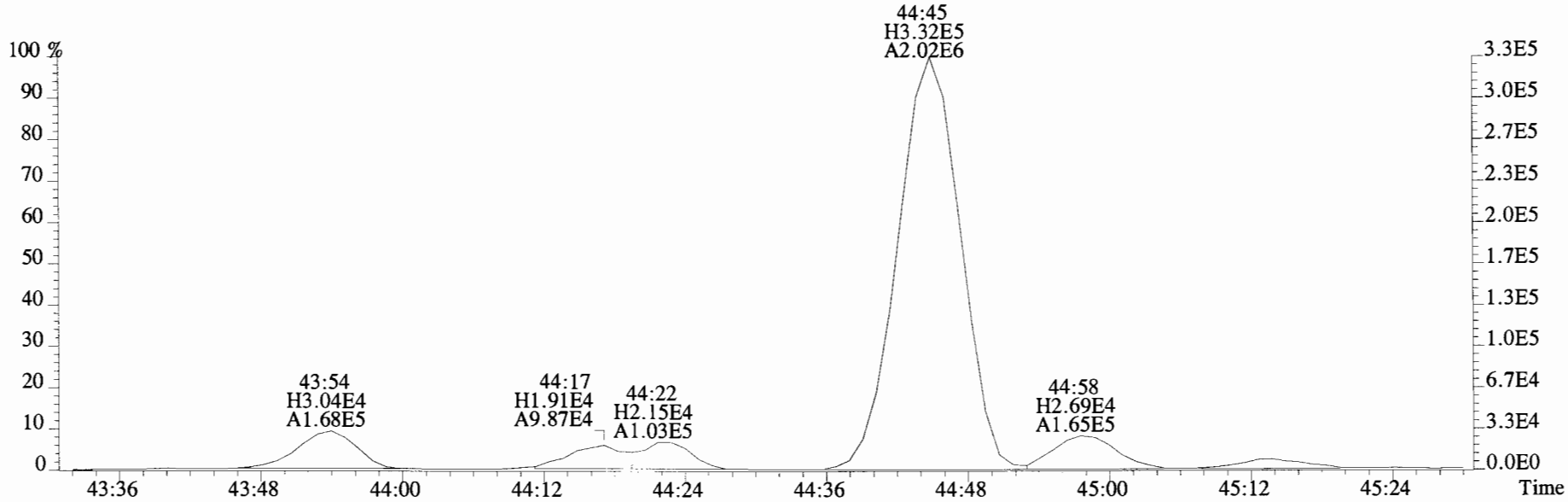

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



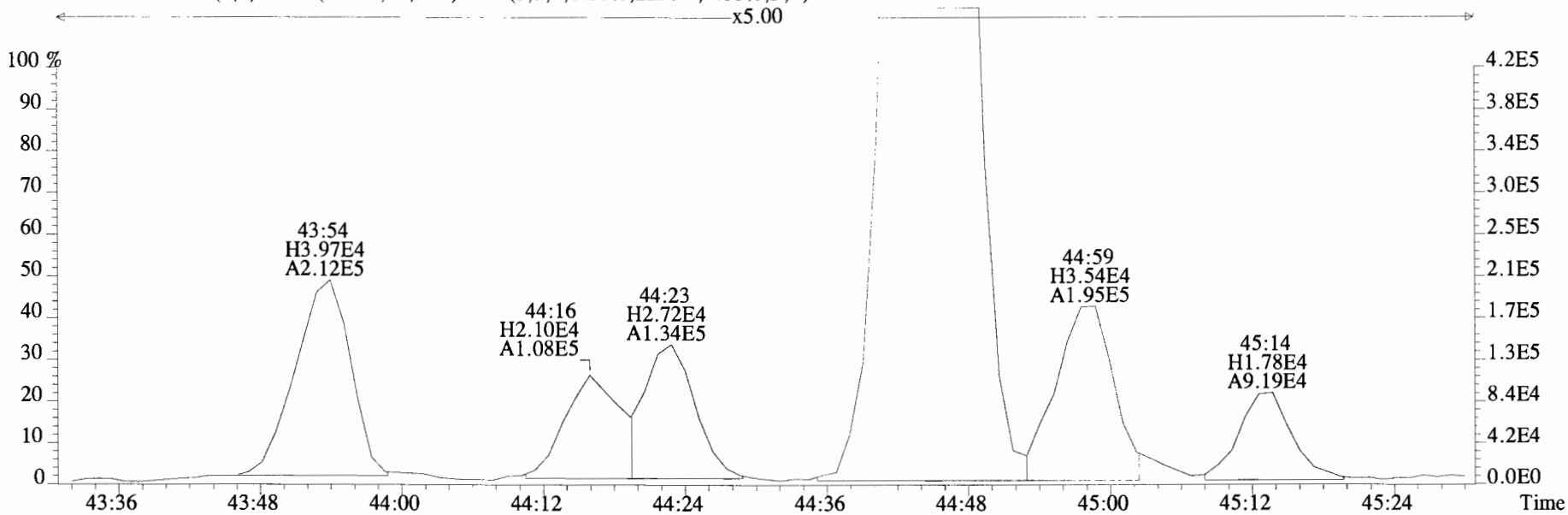
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



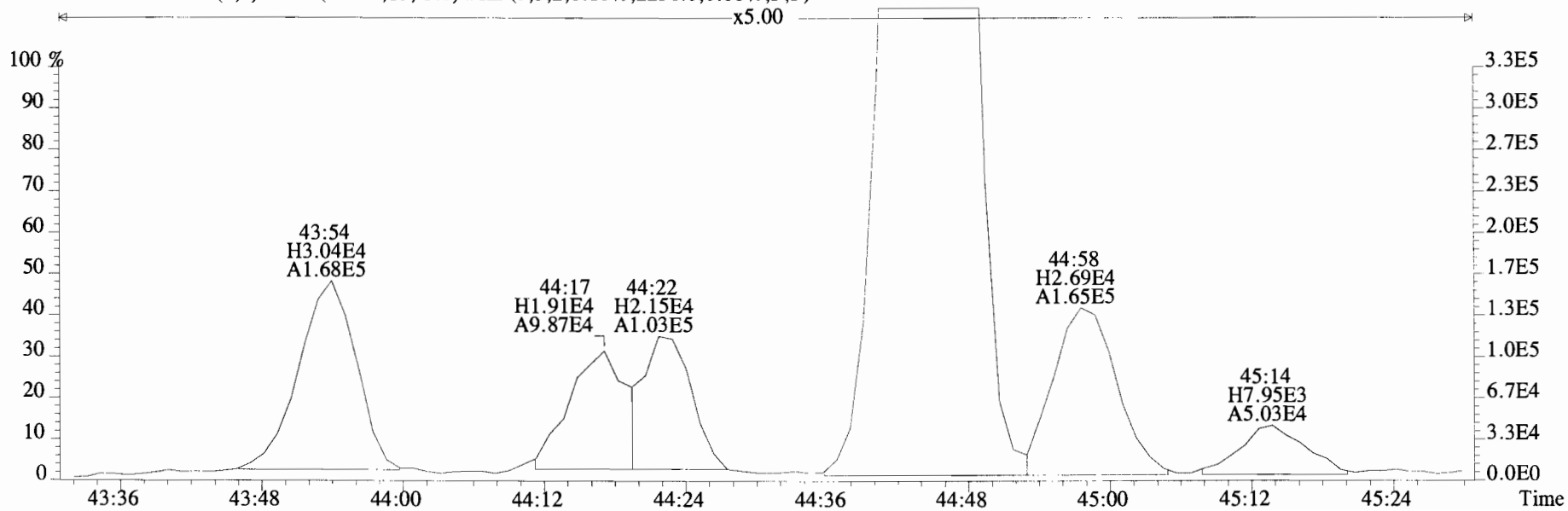

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



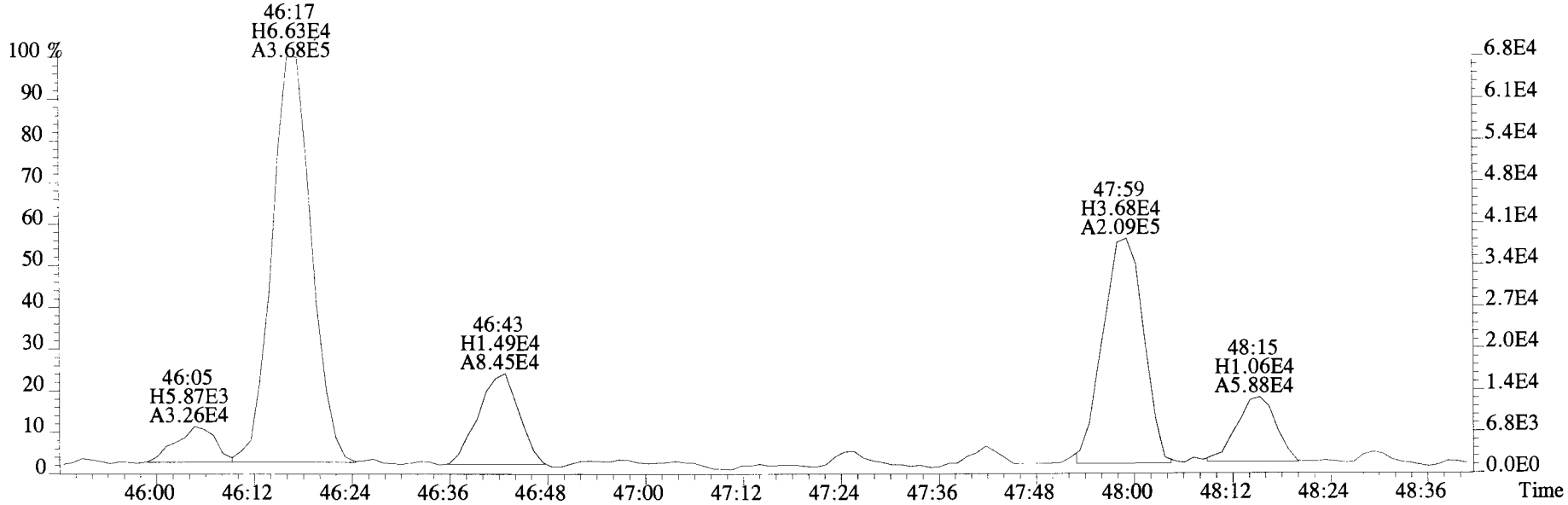
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



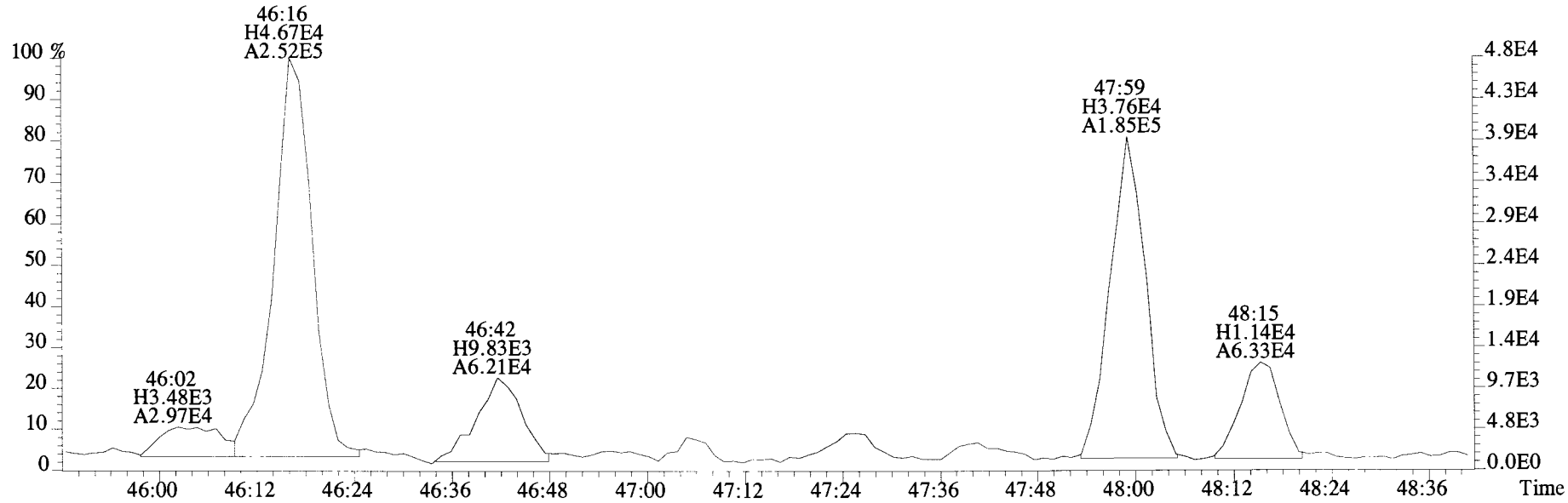

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



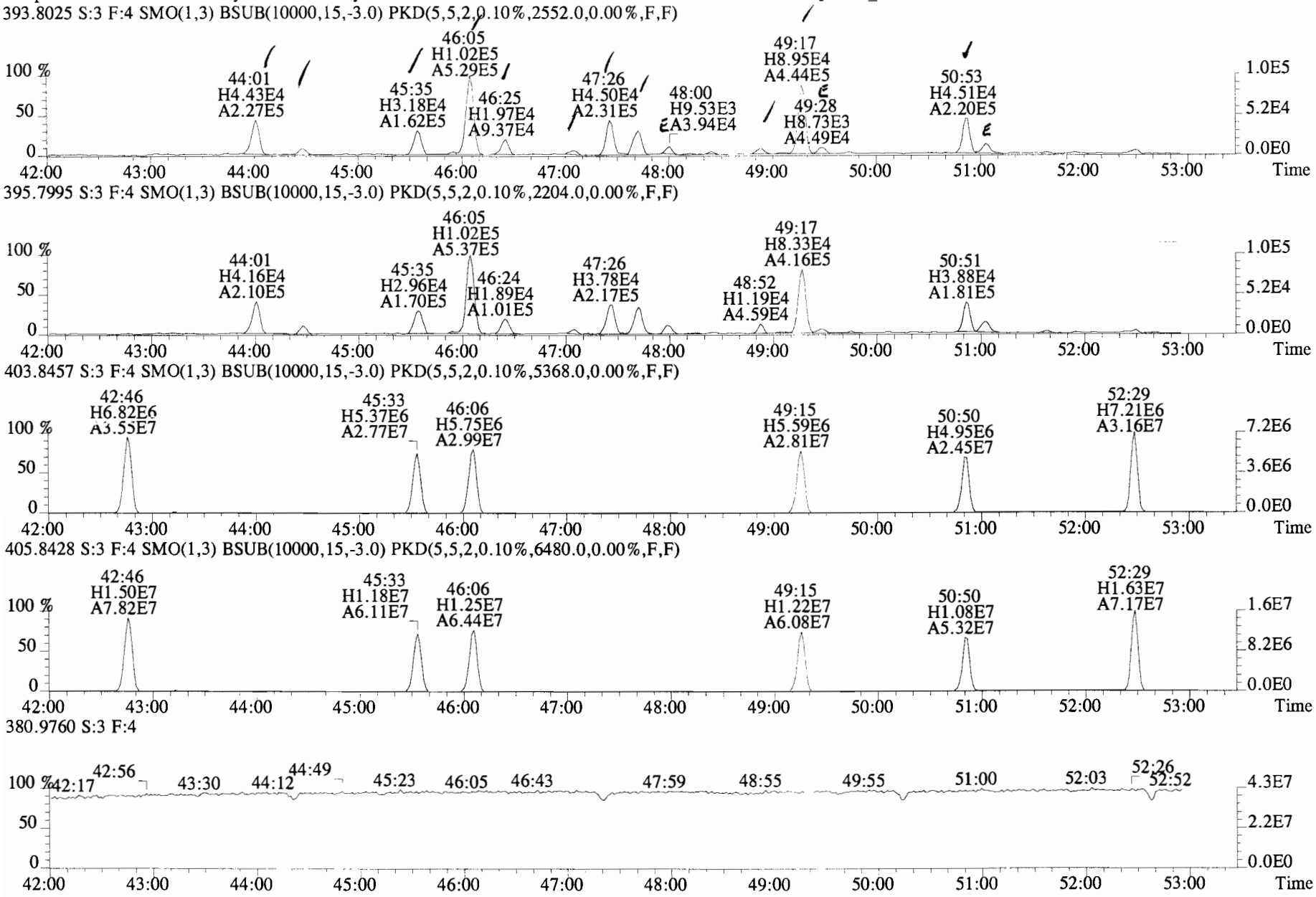
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



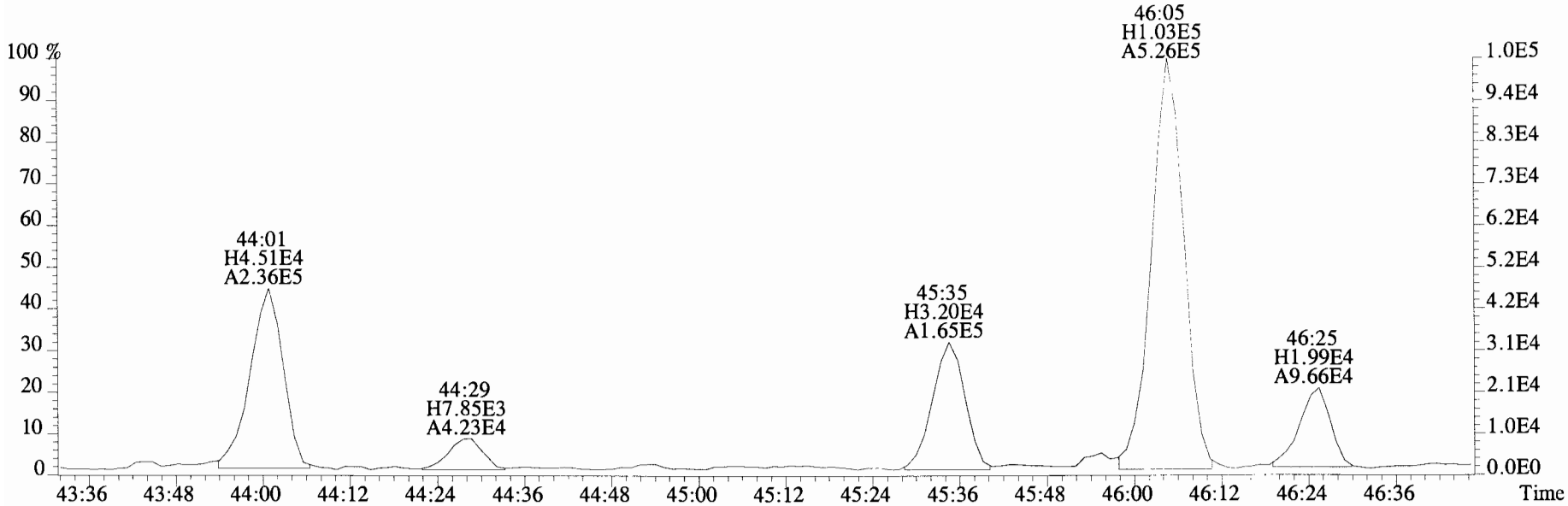

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



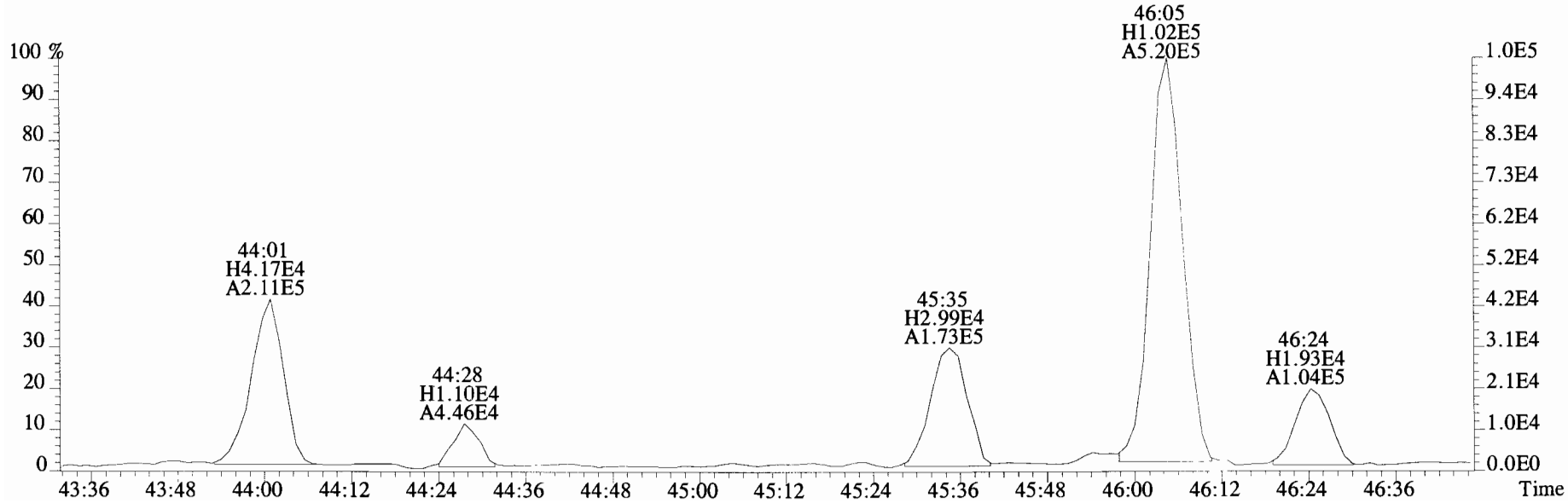
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1



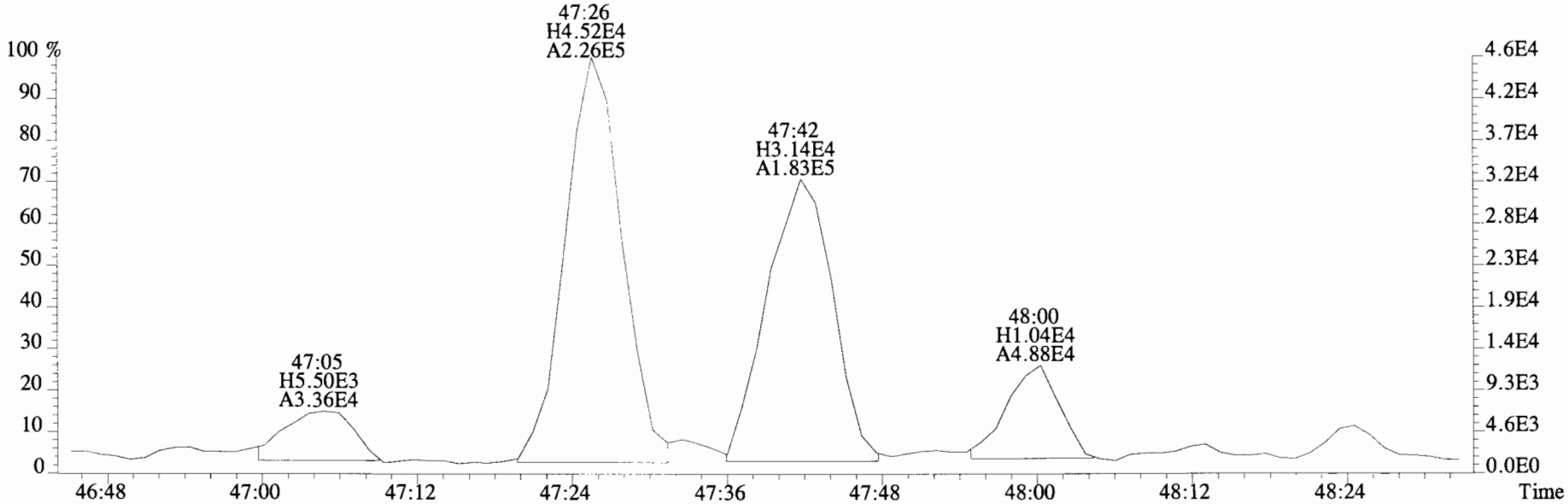
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
393.8025 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2552.0,0.00%,F,F)



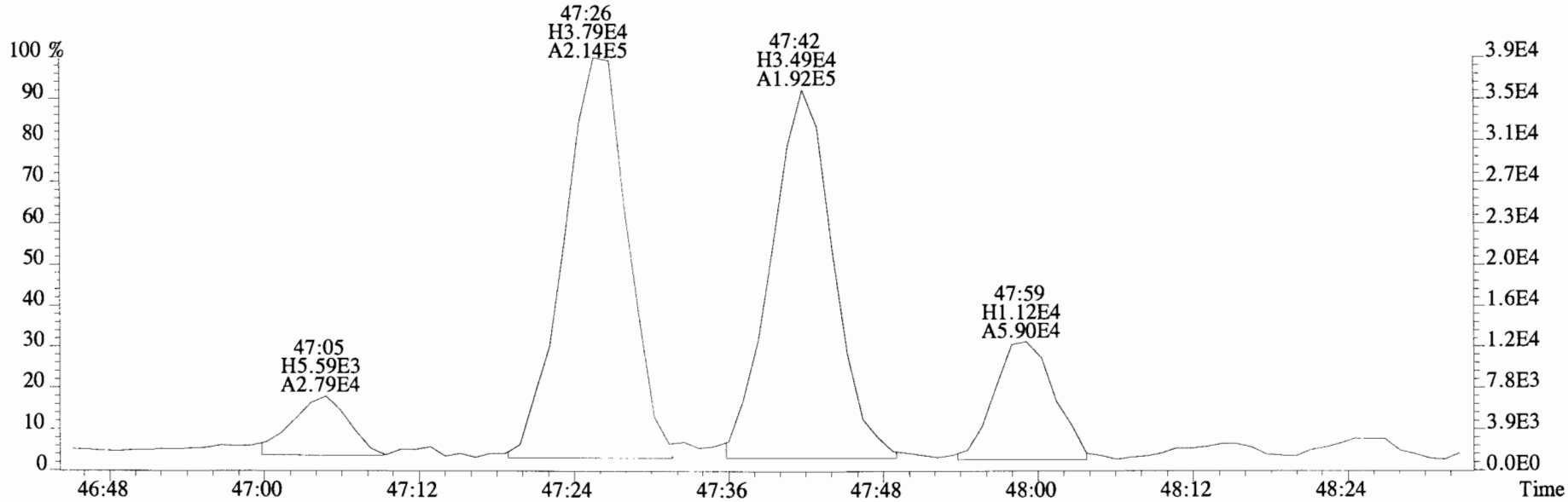

395.7995 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



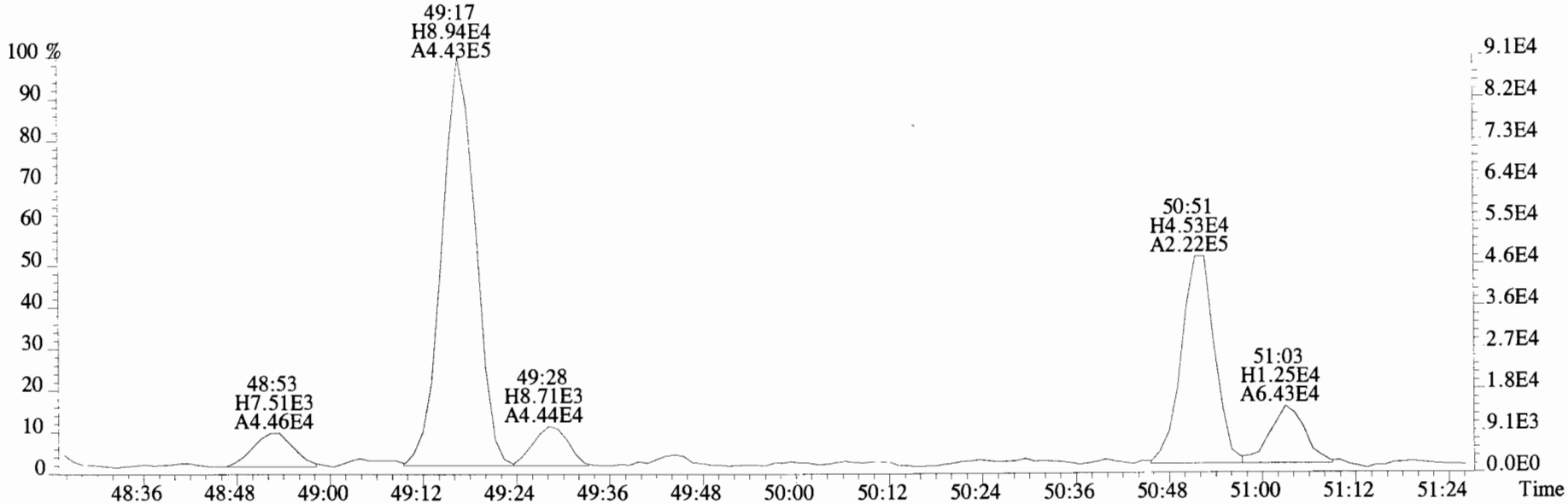
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
393.8025 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2552.0,0.00%,F,F)



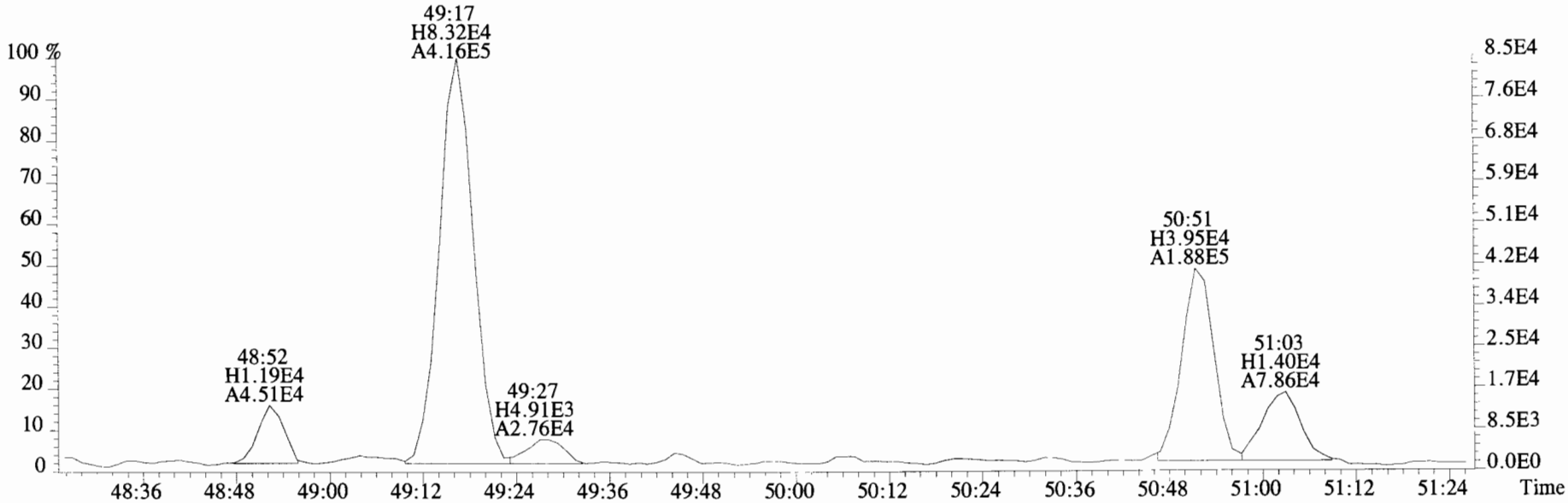

395.7995 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



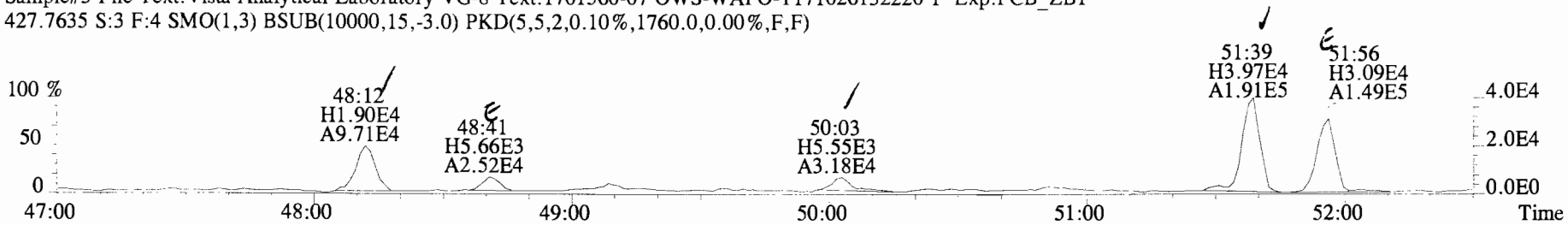
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
393.8025 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2552.0,0.00%,F,F)



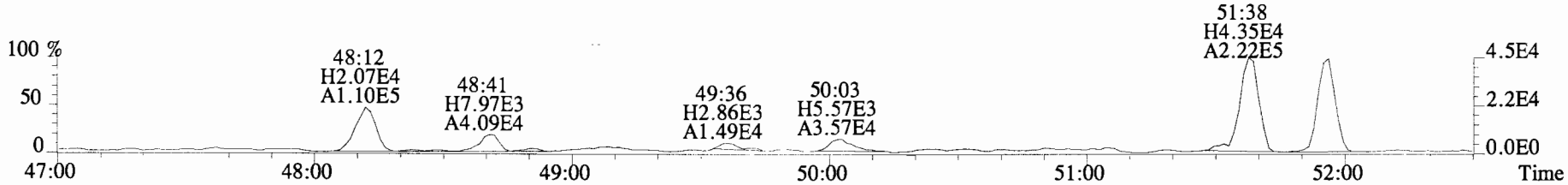

395.7995 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



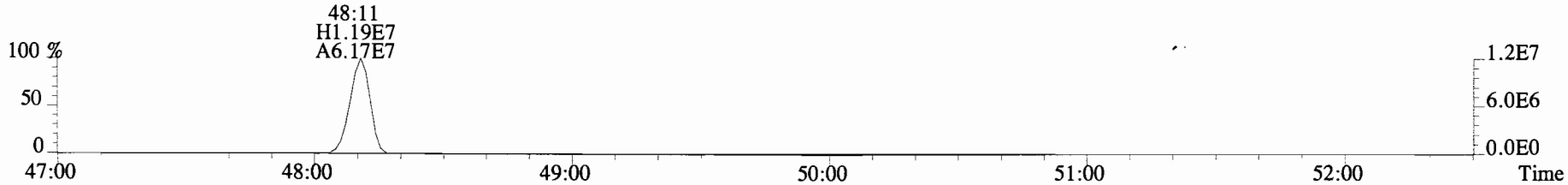
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
427.7635 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1760.0,0.00%,F,F)



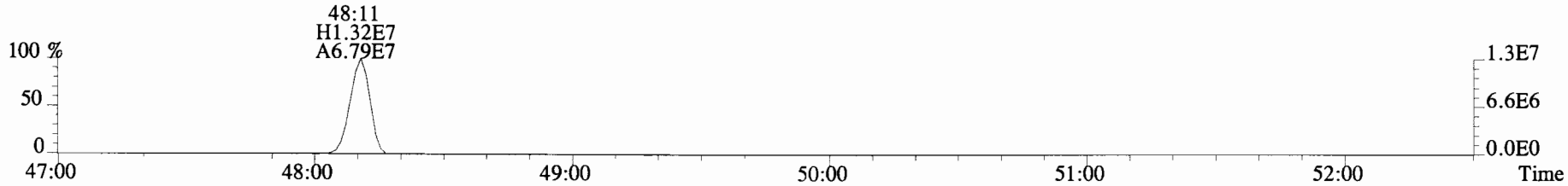

429.7606 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1920.0,0.00%,F,F)



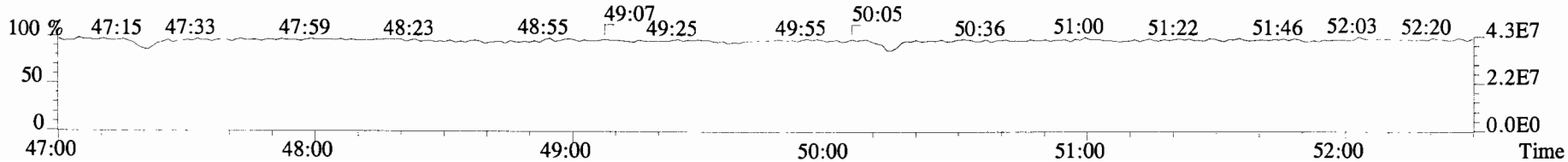

439.8038 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1636.0,0.00%,F,F)



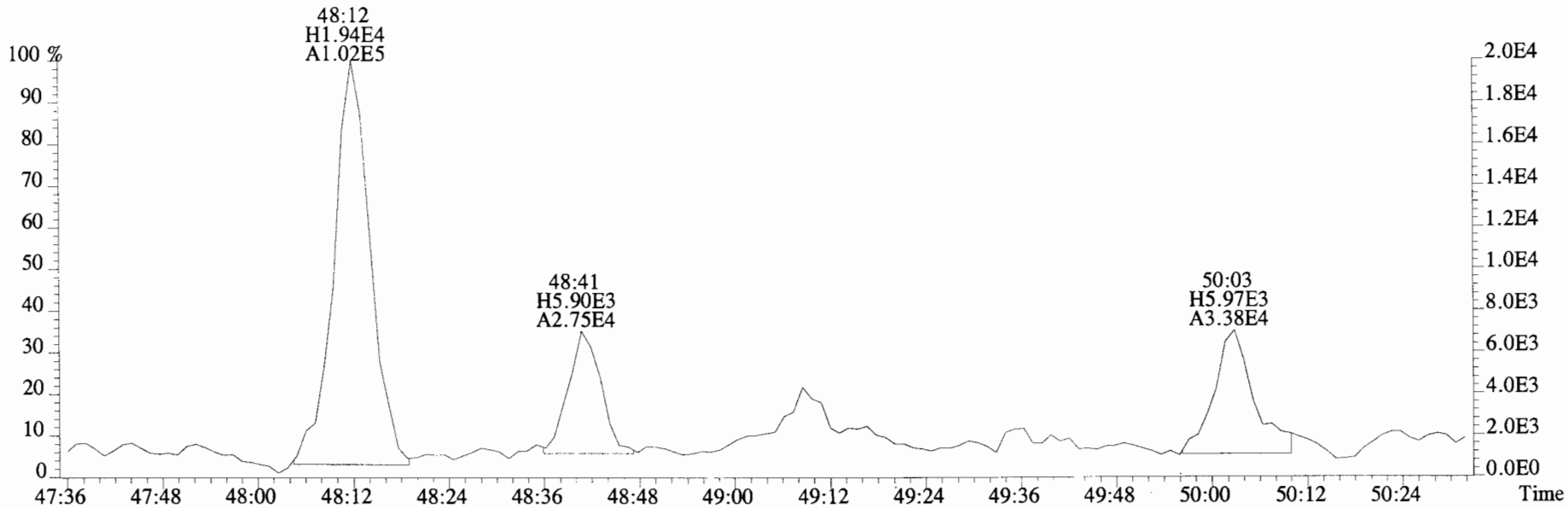

441.8008 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1288.0,0.00%,F,F)



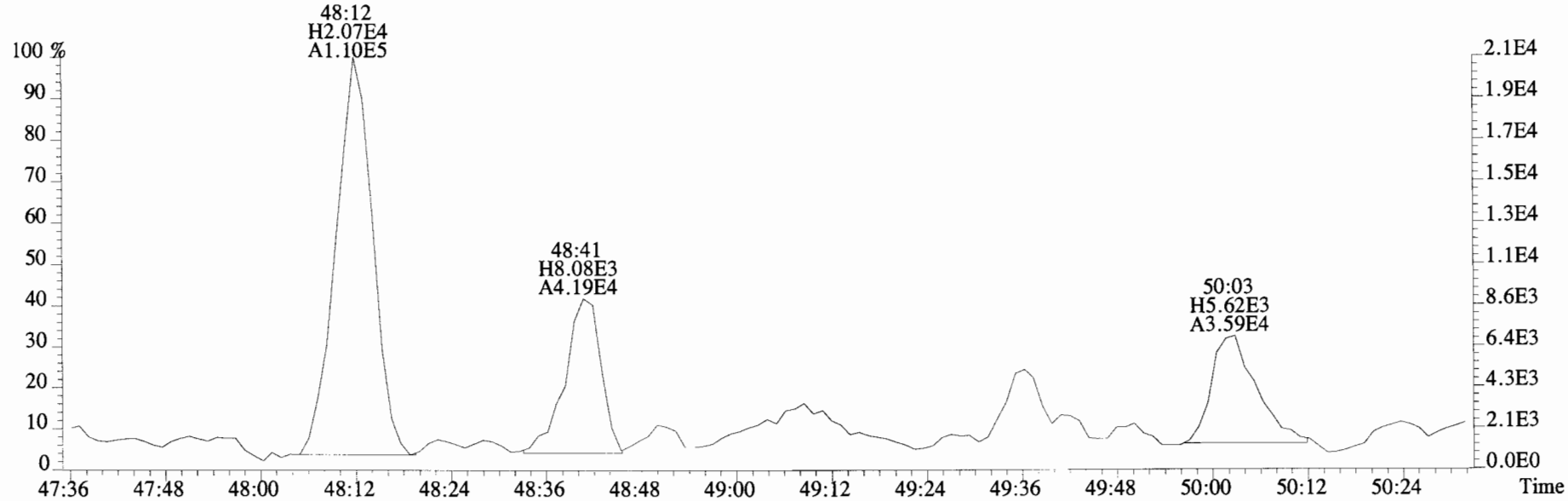

380.9760 S:3 F:4



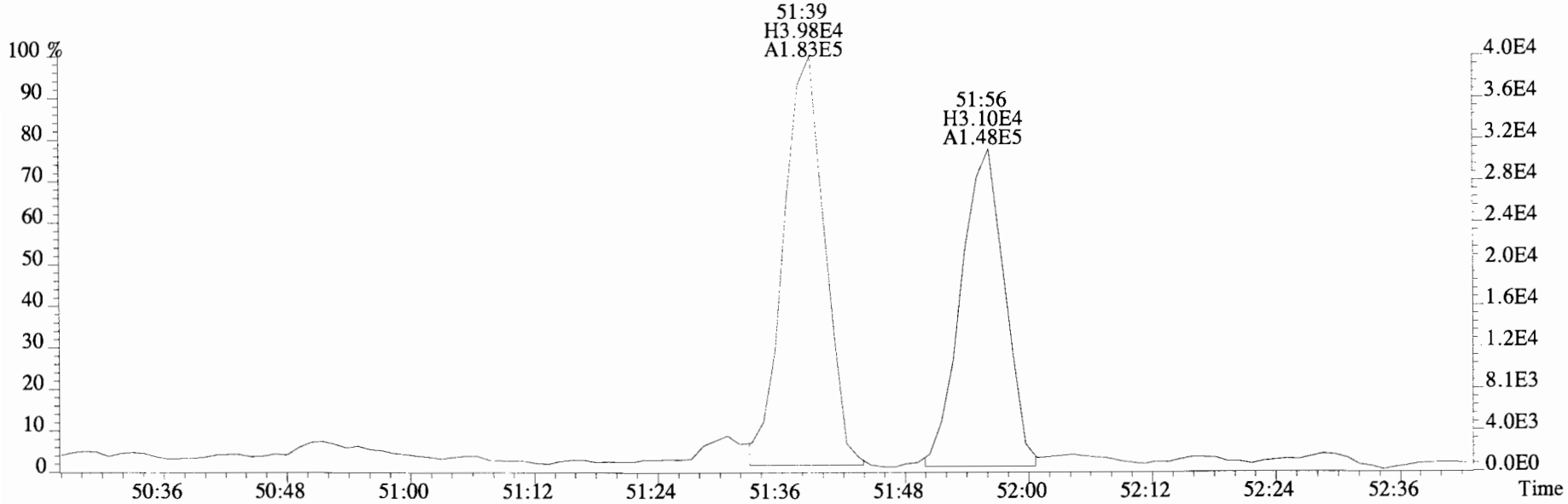
File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
427.7635 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1760.0,0.00%,F,F)



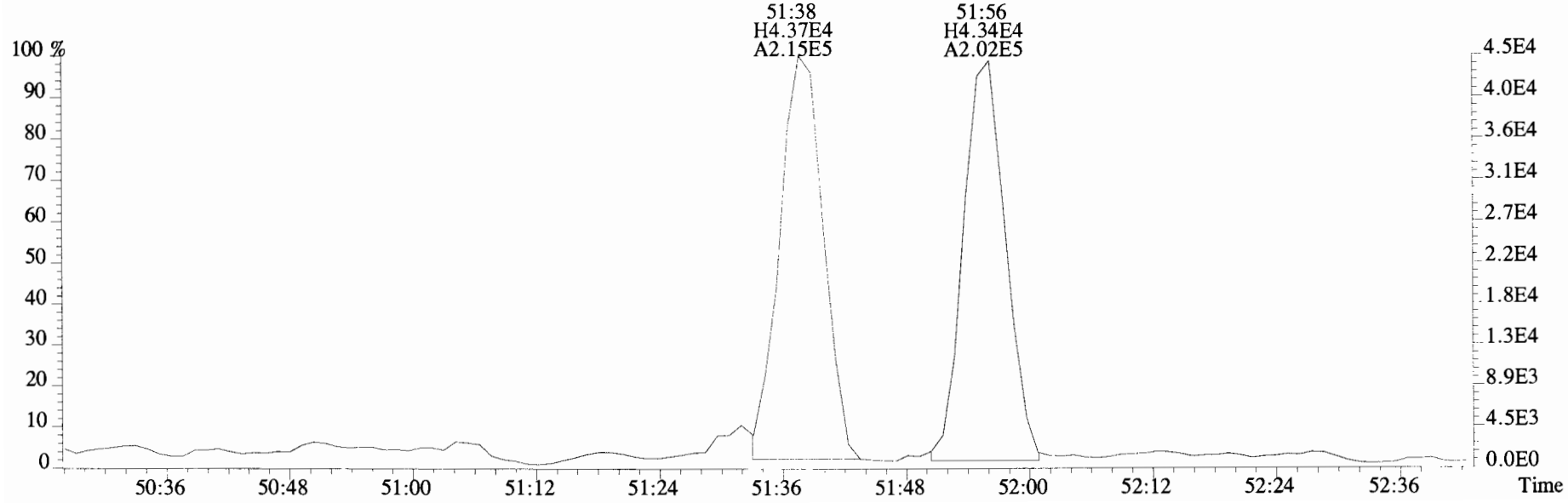

429.7606 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1920.0,0.00%,F,F)



File:180409E2 #1-574 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
427.7635 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1760.0,0.00%,F,F)

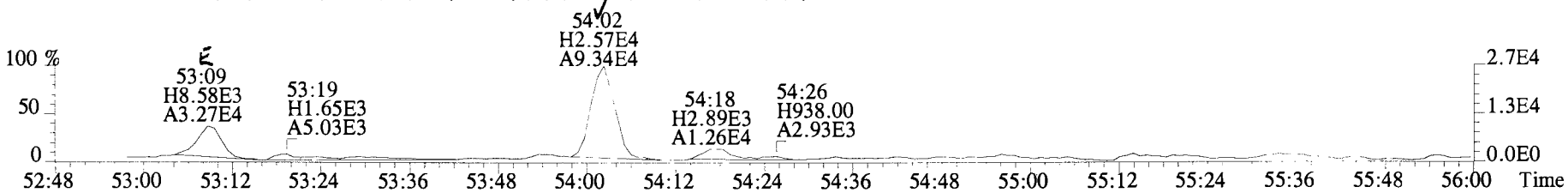



429.7606 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1920.0,0.00%,F,F)

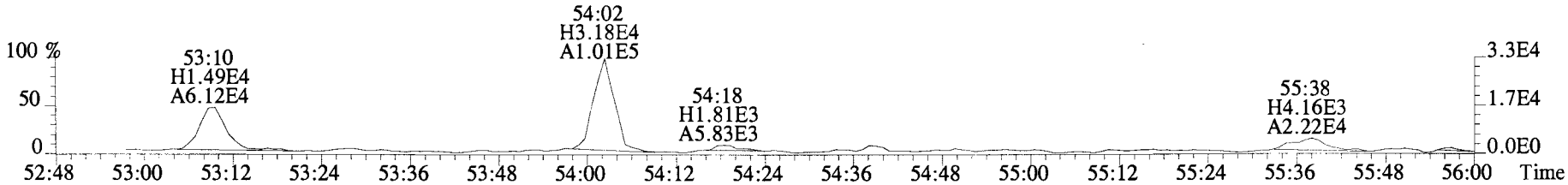


File:180409E2 #1-407 Acq:10-APR-2018 08:57:40 GC El+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1

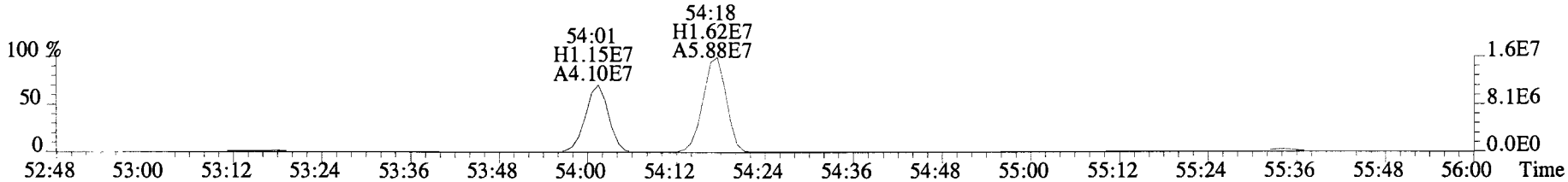
427.7635 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1532.0,0.00%,F,F)



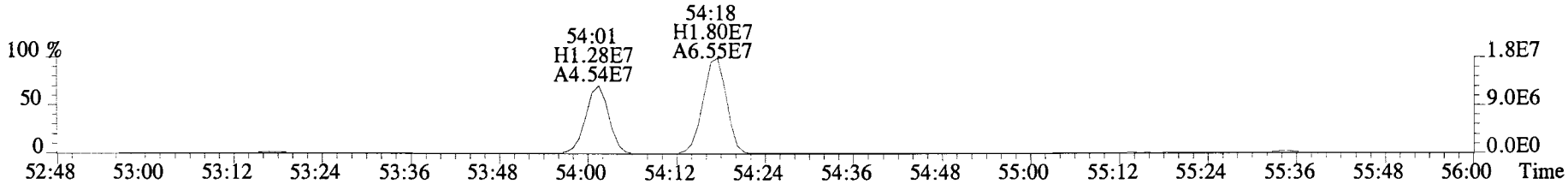

429.7606 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1560.0,0.00%,F,F)



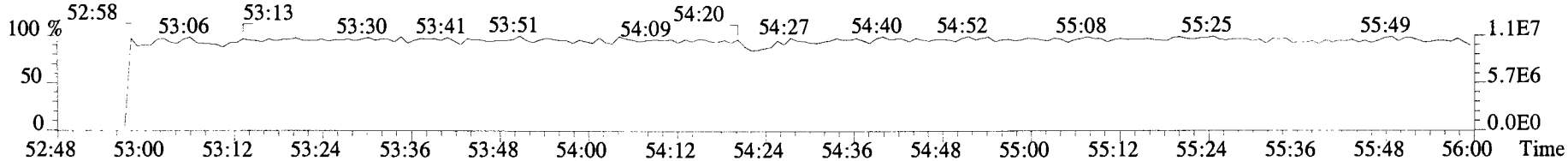

439.8038 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5144.0,0.00%,F,F)



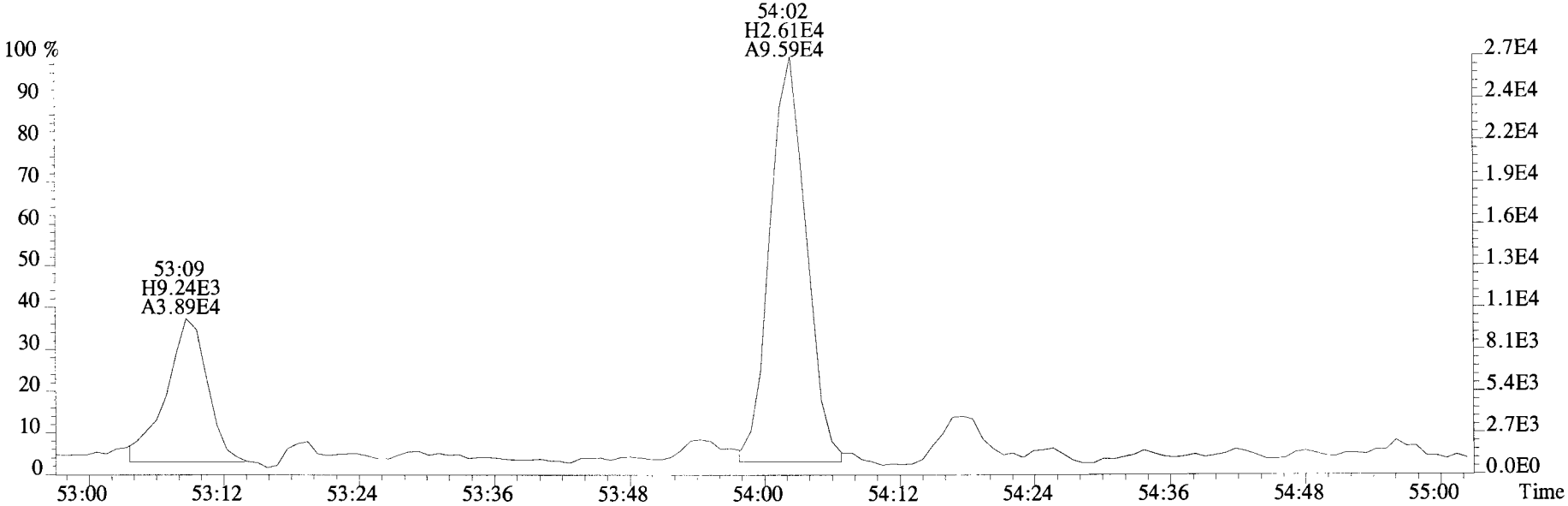

441.8008 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6184.0,0.00%,F,F)



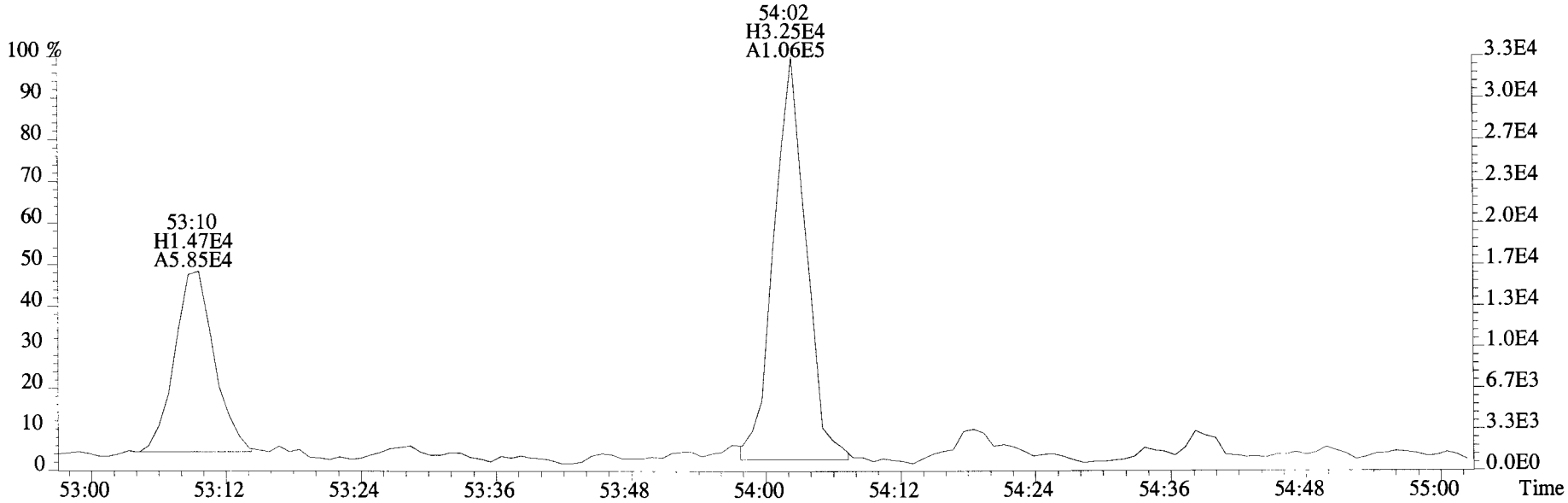

492.9697 S:3 F:5



File:180409E2 #1-407 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
427.7635 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1532.0,0.00%,F,F)

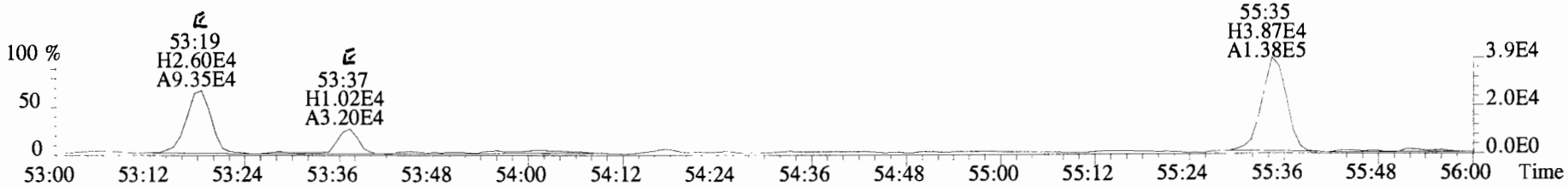



429.7606 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1560.0,0.00%,F,F)

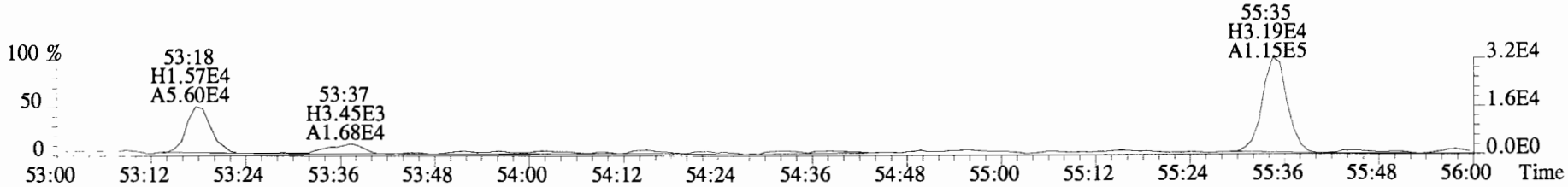


File:180409E2 #1-407 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1

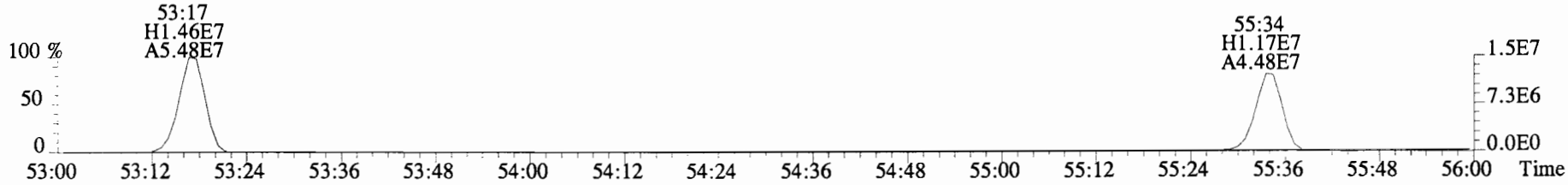
463.7216 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1304.0,0.00%,F,F)



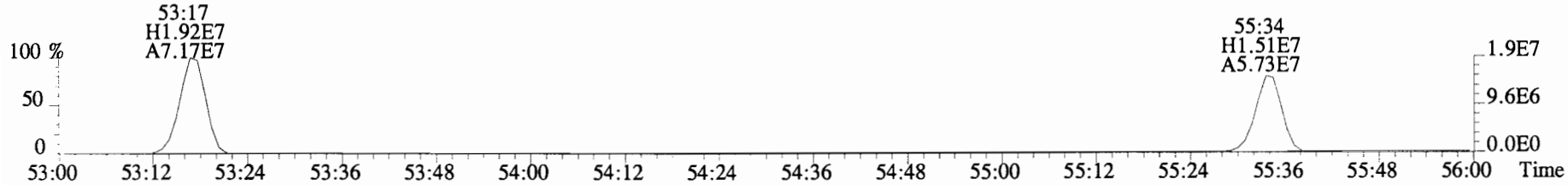

465.7186 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1344.0,0.00%,F,F)



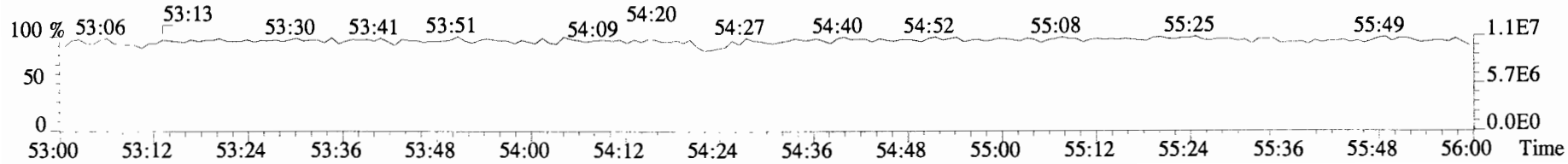

473.7648 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21756.0,0.00%,F,F)



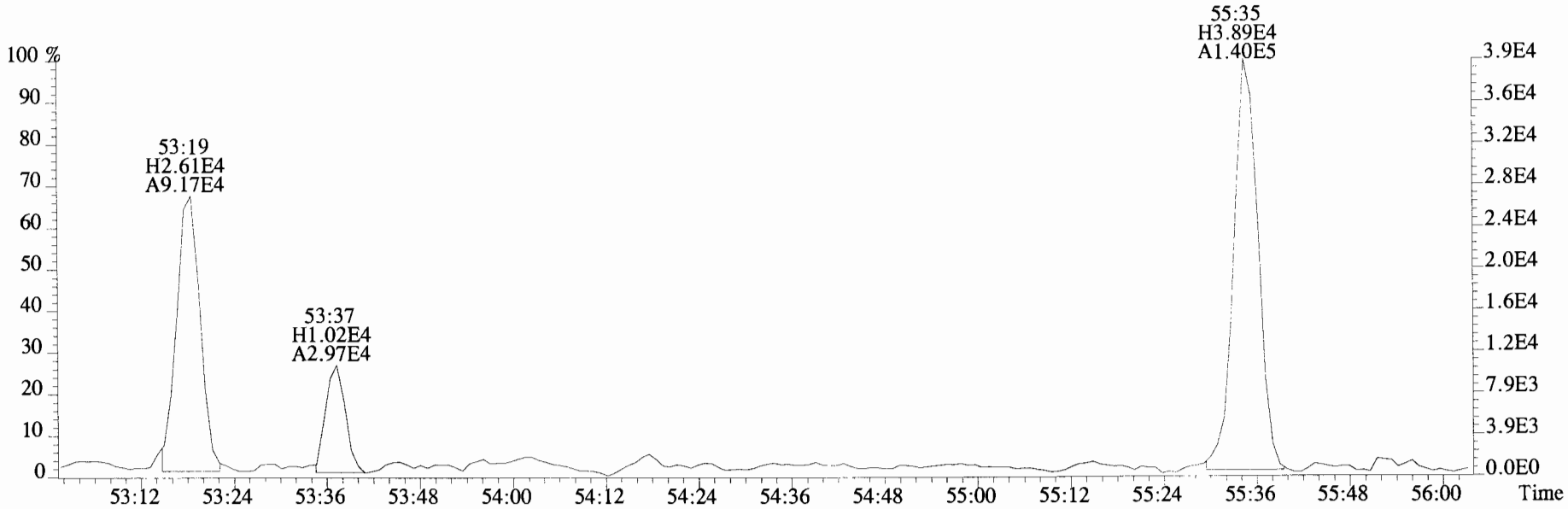

475.7619 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,30524.0,0.00%,F,F)



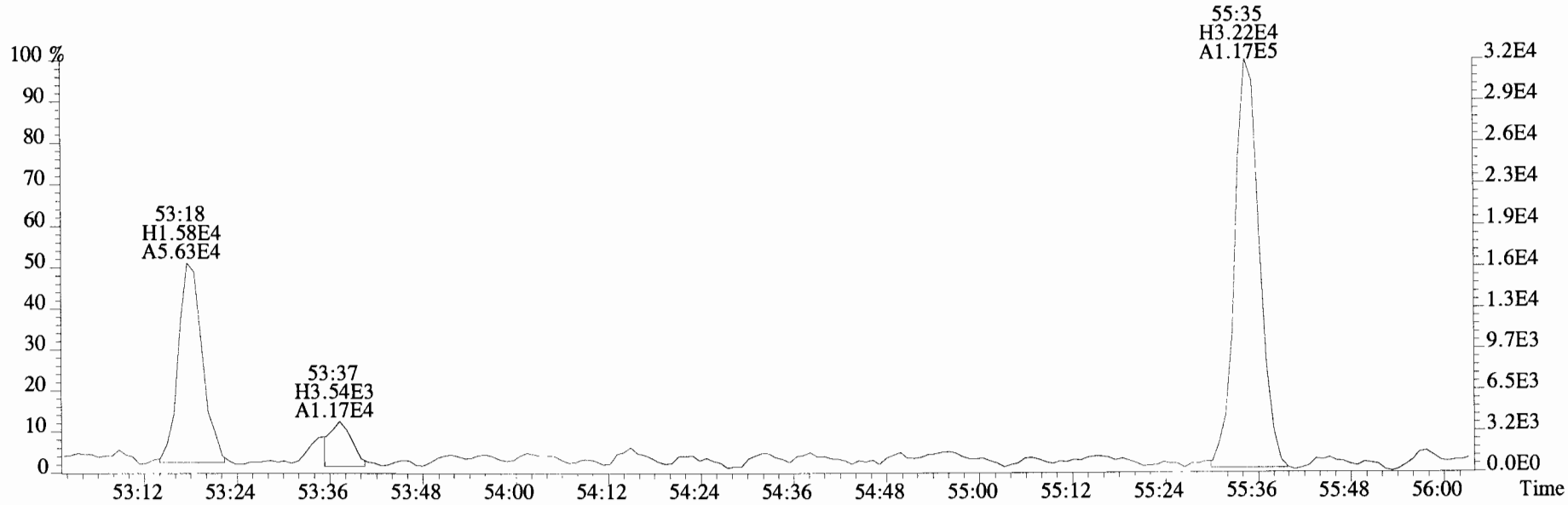

492.9697 S:3 F:5



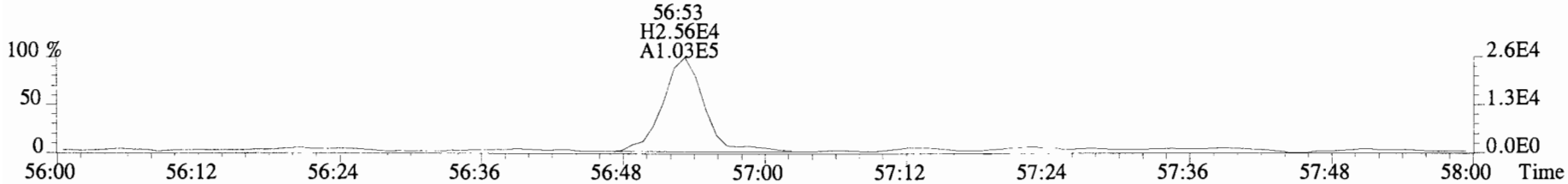
File:180409E2 #1-407 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
463.7216 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1304.0,0.00%,F,F)



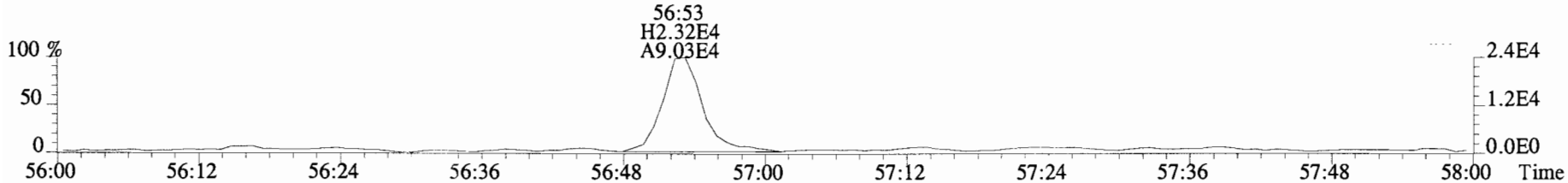

465.7186 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1344.0,0.00%,F,F)



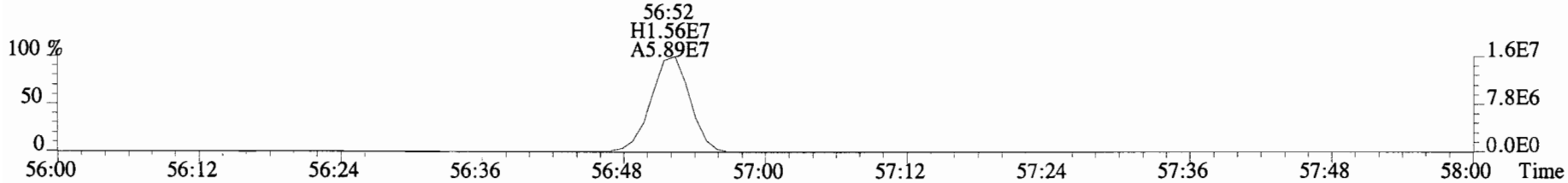
File:180409E2 #1-407 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
497.6826 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1284.0,0.00%,F,F)



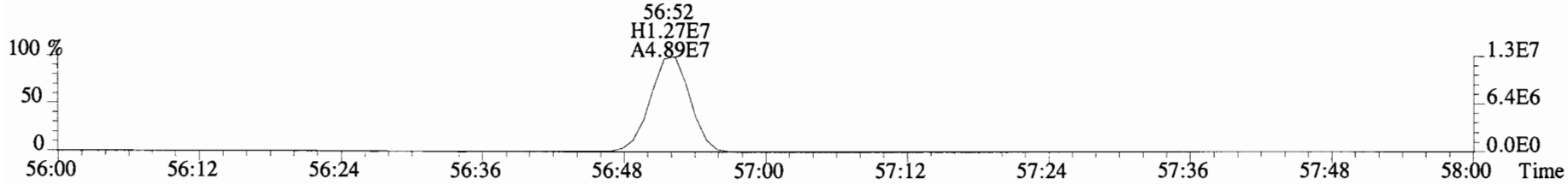

499.6797 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1324.0,0.00%,F,F)



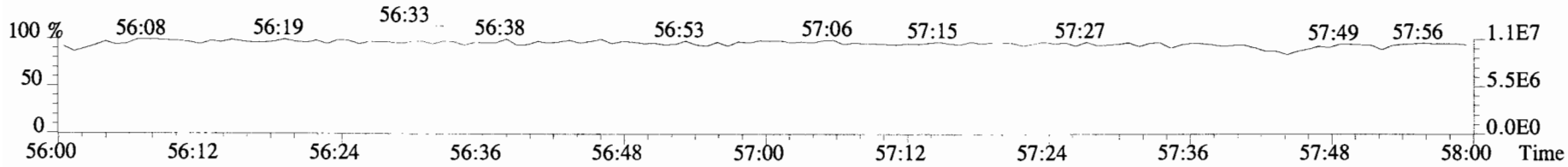

509.7229 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1780.0,0.00%,F,F)



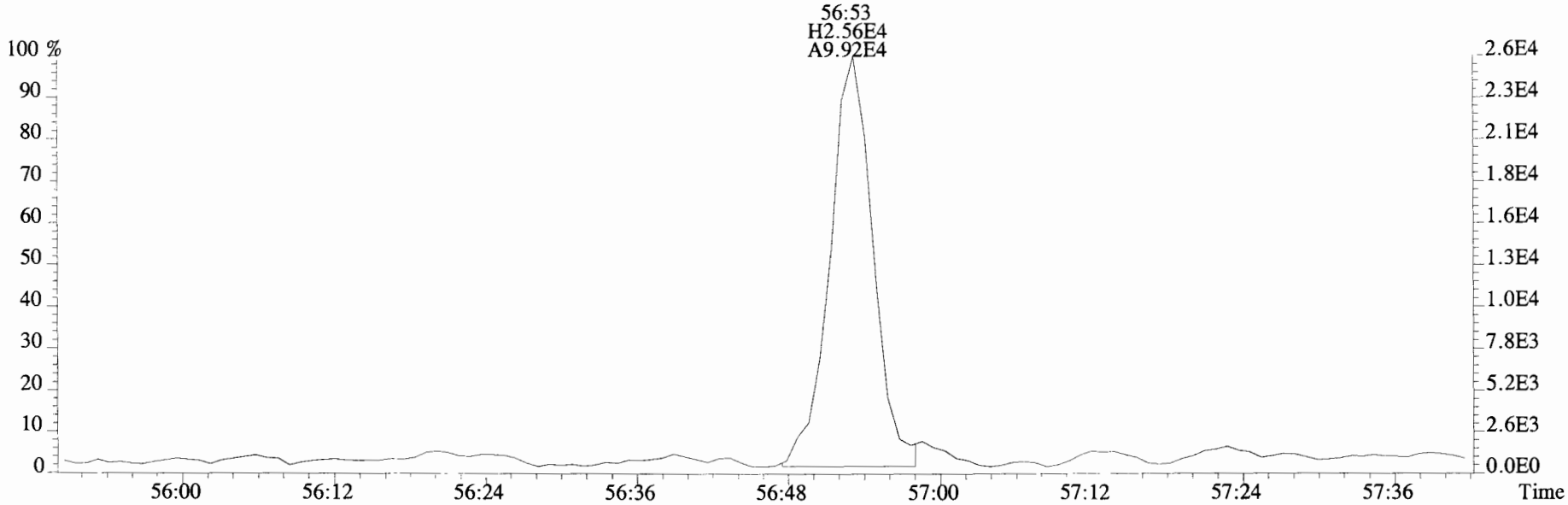

511.7199 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1556.0,0.00%,F,F)



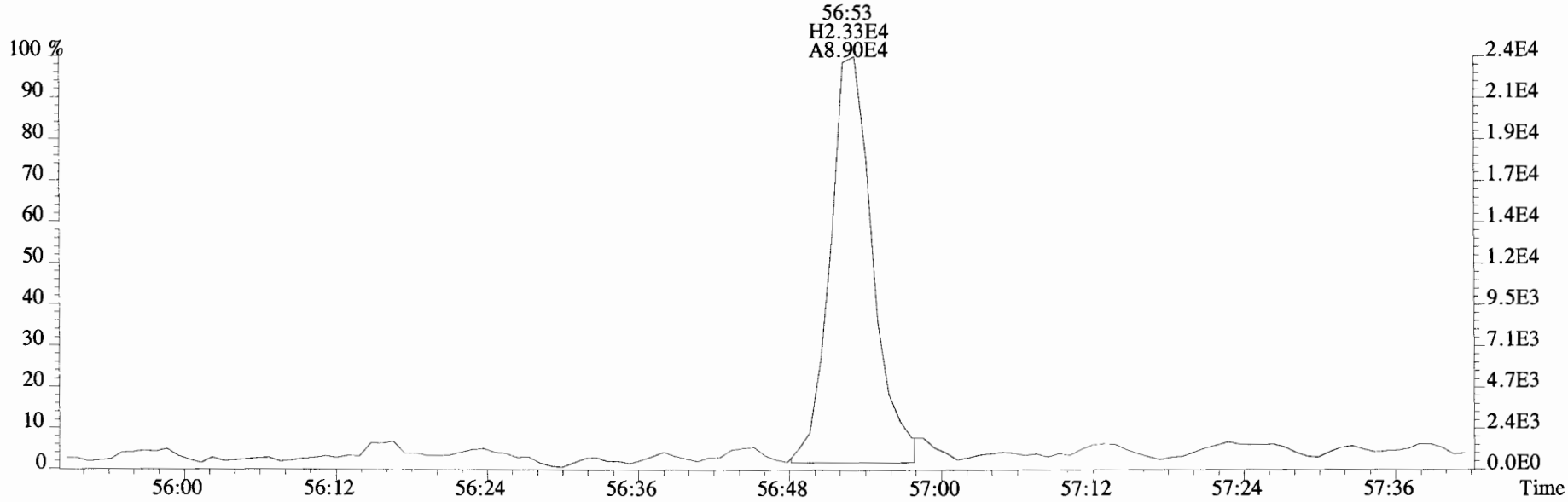

492.9697 S:3 F:5



File:180409E2 #1-407 Acq:10-APR-2018 08:57:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:1701560-07 OWS-WAFO-T171026132220 1 Exp:PCB_ZB1
497.6826 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1284.0,0.00%,F,F)




499.6797 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1324.0,0.00%,F,F)



# CONTINUING CALIBRATION

# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calbration ID:** ST180409E1-1

**Reviewed By:** CT 4/12/18
*Initials & Date*

**End Calibration ID:** NA

| | Beg. | End |
|---|---|---|
| Ion abundance within QC limits? | ✓ | NA |
| Concentrations within criteria? | ✓ | |
| TCDD/TCDF Valleys <25% | NA | |
| First and last eluters present? | ✓ | |
| Retention Times within criteria? | ✓ | |
| Verification Std. named correctly? (ST-Year-Month-Day-VG ID) | ✓ | |
| Forms signed and dated? | ✓ | |
| Correct ICAL referenced? | DB | |

## Run Log:

| | Beg. | End |
|---|---|---|
| - Correct instrument listed? | ✓ | ✓ |
| - Samples within 12 hour clock? | Y | N |
| - Bottle position verfied? | DB | |

| | Beg. | End |
|---|---|---|
| Mass resolution ≥ | ✓ | ✓ |

☐ 5k ☐ 6-8K ☐ 8K ☑ 10K
1614 1699 429 1613/1668/8280

| | Beg. | End |
|---|---|---|
| Intergrated peaks display correctly? | ✓ | NA |

GC Break <20% NA

## 8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours NA

**Comments:**

NATIVE 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E1-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E1  S#1  Analysis Date: 9-APR-18 Time: 17:33:40

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| PCB-1 | 2.97 | 2.66-3.60 | y | 50.1 | 37.5-62.5 |
| PCB-2 | 3.04 | 2.66-3.60 | y | 50.4 | 37.5-62.5 |
| PCB-3 | 3.01 | 2.66-3.60 | y | 51.6 | 37.5-62.5 |
| PCB-4/10 | 1.56 | 1.33-1.79 | y | 92.1 | 75-125 |
| PCB-7/9 | 1.57 | 1.33-1.79 | y | 88.5 | 75-125 |
| PCB-6 | 1.56 | 1.33-1.79 | y | 45.1 | 37.5-62.5 |
| PCB-5/8 | 1.56 | 1.33-1.79 | y | 88.9 | 75-125 |
| PCB-14 | 1.57 | 1.33-1.79 | y | 44.2 | 37.5-62.5 |
| PCB-11 | 1.58 | 1.33-1.79 | y | 44.4 | 37.5-62.5 |
| PCB-12/13 | 1.57 | 1.33-1.79 | y | 87.9 | 75-125 |
| PCB-15 | 1.56 | 1.33-1.79 | y | 46.7 | 37.5-62.5 |
| PCB-19 | 1.04 | 0.88-1.20 | y | 43.8 | 37.5-62.5 |
| PCB-30 | 1.05 | 0.88-1.20 | y | 44.4 | 37.5-62.5 |
| PCB-18 | 1.05 | 0.88-1.20 | y | 42.9 | 37.5-62.5 |
| PCB-17 | 1.04 | 0.88-1.20 | y | 43.8 | 37.5-62.5 |
| PCB-24/27 | 1.04 | 0.88-1.20 | y | 87.7 | 75.0-125 |
| PCB-16/32 | 1.04 | 0.88-1.20 | y | 86.4 | 75.0-125 |
| PCB-34 | 1.03 | 0.88-1.20 | y | 40.5 | 37.5-62.5 |
| PCB-23 | 1.09 | 0.88-1.20 | y | 49.0 | 37.5-62.5 |
| PCB-29 | 1.05 | 0.88-1.20 | y | 44.3 | 37.5-62.5 |
| PCB-26 | 1.05 | 0.88-1.20 | y | 42.3 | 37.5-62.5 |
| PCB-25 | 1.06 | 0.88-1.20 | y | 45.6 | 37.5-62.5 |
| PCB-31 | 1.05 | 0.88-1.20 | y | 44.4 | 37.5-62.5 |
| PCB-28 | 1.06 | 0.88-1.20 | y | 45.9 | 37.5-62.5 |
| PCB-20/21/33 | 1.06 | 0.88-1.20 | y | 131.3 | 112.5-225 |
| PCB-22 | 1.05 | 0.88-1.20 | y | 43.8 | 37.5-62.5 |
| PCB-36 | 1.05 | 0.88-1.20 | y | 46.5 | 37.5-62.5 |
| PCB-39 | 1.05 | 0.88-1.20 | y | 45.8 | 37.5-62.5 |
| PCB-38 | 1.06 | 0.88-1.20 | y | 45.1 | 37.5-62.5 |
| PCB-35 | 1.05 | 0.88-1.20 | y | 44.7 | 37.5-62.5 |
| PCB-37 | 1.05 | 0.88-1.20 | y | 44.4 | 37.5-62.5 |
| PCB-54 | 0.78 | 0.65-0.89 | y | 46.6 | 37.5-62.5 |
| PCB-50 | 0.77 | 0.65-0.89 | y | 49.3 | 37.5-62.5 |
| PCB-53 | 0.78 | 0.65-0.89 | y | 46.3 | 37.5-62.5 |
| PCB-51 | 0.79 | 0.65-0.89 | y | 45.4 | 37.5-62.5 |
| PCB-45 | 0.77 | 0.65-0.89 | y | 46.7 | 37.5-62.5 |
| PCB-46 | 0.77 | 0.65-0.89 | y | 46.3 | 37.5-62.5 |

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| PCB-52/69 | 0.78 | 0.65-0.89 | y | 91.5 | 75.0-125 |
| PCB-73 | 0.79 | 0.65-0.89 | y | 46.2 | 37.5-62.5 |
| PCB-43/49 | 0.78 | 0.65-0.89 | y | 91.7 | 75.0-125 |
| PCB-47 | 0.78 | 0.65-0.89 | y | 50.7 | 37.5-62.5 |
| PCB-48/75 | 0.78 | 0.65-0.89 | y | 88.9 | 75.0-125 |
| PCB-65 | 0.78 | 0.65-0.89 | y | 45.1 | 37.5-62.5 |
| PCB-62 | 0.79 | 0.65-0.89 | y | 47.7 | 37.5-62.5 |
| PCB-44 | 0.77 | 0.65-0.89 | y | 47.1 | 37.5-62.5 |
| PCB-42/59 | 0.78 | 0.65-0.89 | y | 92.2 | 75.0-125 |
| PCB-41/64/71/72 | 0.78 | 0.65-0.89 | y | 182.6 | 150-250 |
| PCB-68 | 0.78 | 0.65-0.89 | y | 44.2 | 37.5-62.5 |
| PCB-40 | 0.80 | 0.65-0.89 | y | 45.8 | 37.5-62.5 |
| PCB-57 | 0.77 | 0.65-0.89 | y | 46.2 | 37.5-62.5 |
| PCB-67 | 0.77 | 0.65-0.89 | y | 43.3 | 37.5-62.5 |
| PCB-58 | 0.79 | 0.65-0.89 | y | 49.3 | 37.5-62.5 |
| PCB-63 | 0.78 | 0.65-0.89 | y | 45.7 | 37.5-62.5 |
| PCB-74 | 0.77 | 0.65-0.89 | y | 44.3 | 37.5-62.5 |
| PCB-61/70 | 0.78 | 0.65-0.89 | y | 93.6 | 75.0-125 |
| PCB-76/66 | 0.79 | 0.65-0.89 | y | 90.9 | 75.0-125 |
| PCB-80 | 0.78 | 0.65-0.89 | y | 46.0 | 37.5-62.5 |
| PCB-55 | 0.77 | 0.65-0.89 | y | 47.2 | 37.5-62.5 |
| PCB-56/60 | 0.78 | 0.65-0.89 | y | 91.3 | 75.0-125 |
| PCB-79 | 0.78 | 0.65-0.89 | y | 45.2 | 37.5-62.5 |
| PCB-78 | 0.76 | 0.65-0.89 | y | 45.1 | 37.5-62.5 |
| PCB-81 | 0.77 | 0.65-0.89 | y | 47.2 | 37.5-62.5 |
| PCB-77 | 0.78 | 0.65-0.89 | y | 45.8 | 37.5-62.5 |
| PCB-104 | 1.56 | 1.32-1.78 | y | 42.0 | 37.5-62.5 |
| PCB-96 | 1.56 | 1.32-1.78 | y | 42.0 | 37.5-62.5 |
| PCB-103 | 1.57 | 1.32-1.78 | y | 41.2 | 37.5-62.5 |
| PCB-100 | 1.56 | 1.32-1.78 | y | 41.2 | 37.5-62.5 |
| PCB-94 | 1.55 | 1.32-1.78 | y | 43.5 | 37.5-62.5 |
| PCB-95/98/102 | 1.55 | 1.32-1.78 | y | 130.0 | 112.5-225 |
| PCB-93 | 1.63 | 1.32-1.78 | y | 40.1 | 37.5-62.5 |
| PCB-88/91 | 1.57 | 1.32-1.78 | y | 88.2 | 75.0-125 |
| PCB-121 | 1.58 | 1.32-1.78 | y | 39.4 | 37.5-62.5 |

Analyst: DB

Date: 4/10/18

NATIVE 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E1-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E1  S#1  Analysis Date: 9-APR-18 Time: 17:33:40

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) | ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-84/92 | 1.57 | 1.32-1.78 | y | 86.8 | 75.0-125 | PCB-140 | 1.25 | 1.05-1.43 | y | 47.2 | 37.5-62.5 |
| PCB-89 | 1.56 | 1.32-1.78 | y | 43.3 | 37.5-62.5 | PCB-134/143 | 1.23 | 1.05-1.43 | y | 95.5 | 75.0-125 |
| PCB-90/101 | 1.57 | 1.32-1.78 | y | 86.6 | 75.0-125 | PCB-131/133 | 1.24 | 1.05-1.43 | y | 94.5 | 75.0-125 |
| PCB-113 | 1.56 | 1.32-1.78 | y | 44.6 | 37.5-62.5 | PCB-142 | 1.25 | 1.05-1.43 | y | 49.4 | 37.5-62.5 |
| PCB-99 | 1.59 | 1.32-1.78 | y | 42.9 | 37.5-62.5 | PCB-146/165 | 1.25 | 1.05-1.43 | y | 94.3 | 75.0-125 |
| PCB-119 | 1.54 | 1.32-1.78 | y | 42.7 | 37.5-62.5 | PCB-132/161 | 1.25 | 1.05-1.43 | y | 96.1 | 75.0-125 |
| PCB-108/112 | 1.58 | 1.32-1.78 | y | 86.7 | 75.0-125 | PCB-153 | 1.25 | 1.05-1.43 | y | 46.6 | 37.5-62.5 |
| PCB-83 | 1.58 | 1.32-1.78 | y | 43.1 | 37.5-62.5 | PCB-168 | 1.25 | 1.05-1.43 | y | 45.0 | 37.5-62.5 |
| PCB-97 | 1.57 | 1.32-1.78 | y | 43.2 | 37.5-62.5 | PCB-141 | 1.23 | 1.05-1.43 | y | 47.4 | 37.5-62.5 |
| PCB-86 | 1.51 | 1.32-1.78 | y | 43.6 | 37.5-62.5 | PCB-137 | 1.23 | 1.05-1.43 | y | 42.3 | 37.5-62.5 |
| PCB-87/117/125 | 1.59 | 1.32-1.78 | y | 131.5 | 112.5-225 | PCB-130 | 1.25 | 1.05-1.43 | y | 53.1 | 37.5-62.5 |
| PCB-111/115 | 1.57 | 1.32-1.78 | y | 85.5 | 75.0-125 | PCB-138/163/164 | 1.24 | 1.05-1.43 | y | 140.1 | 112.5-225 |
| PCB-85/116 | 1.55 | 1.32-1.78 | y | 96.6 | 75.0-125 | PCB-158/160 | 1.24 | 1.05-1.43 | y | 94.0 | 75.0-125 |
| PCB-120 | 1.56 | 1.32-1.78 | y | 41.7 | 37.5-62.5 | PCB-129 | 1.25 | 1.05-1.43 | y | 46.2 | 37.5-62.5 |
| PCB-110 | 1.59 | 1.32-1.78 | y | 46.9 | 37.5-62.5 | PCB-166 | 1.23 | 1.05-1.43 | y | 48.0 | 37.5-62.5 |
| PCB-82 | 1.59 | 1.32-1.78 | y | 43.3 | 37.5-62.5 | PCB-159 | 1.25 | 1.05-1.43 | y | 48.1 | 37.5-62.5 |
| PCB-124 | 1.55 | 1.32-1.78 | y | 43.4 | 37.5-62.5 | PCB-128/162 | 1.24 | 1.05-1.43 | y | 94.0 | 75.0-125 |
| PCB-107/109 | 1.57 | 1.32-1.78 | y | 86.7 | 75.0-125 | PCB-167 | 1.23 | 1.05-1.43 | y | 46.6 | 37.5-62.5 |
| PCB-123 | 1.56 | 1.32-1.78 | y | 43.5 | 37.5-62.5 | PCB-156 | 1.24 | 1.05-1.43 | y | 45.3 | 37.5-62.5 |
| PCB-106/118 | 1.56 | 1.32-1.78 | y | 87.3 | 75.0-125 | PCB-157 | 1.23 | 1.05-1.43 | y | 46.4 | 37.5-62.5 |
| PCB-114 | 1.59 | 1.32-1.78 | y | 45.8 | 37.5-62.5 | PCB-169 | 1.25 | 1.05-1.43 | y | 46.8 | 37.5-62.5 |
| PCB-122 | 1.57 | 1.32-1.78 | y | 43.1 | 37.5-62.5 | PCB-188 | 1.05 | 0.89-1.21 | y | 44.4 | 37.5-62.5 |
| PCB-105 | 1.58 | 1.32-1.78 | y | 44.3 | 37.5-62.5 | PCB-184 | 1.05 | 0.89-1.21 | y | 45.3 | 37.5-62.5 |
| PCB-127 | 1.55 | 1.32-1.78 | y | 43.9 | 37.5-62.5 | PCB-179 | 1.05 | 0.89-1.21 | y | 44.5 | 37.5-62.5 |
| PCB-126 | 1.56 | 1.32-1.78 | y | 44.9 | 37.5-62.5 | PCB-176 | 1.06 | 0.89-1.21 | y | 44.9 | 37.5-62.5 |
| PCB-155 | 1.26 | 1.05-1.43 | y | 43.0 | 37.5-62.5 | PCB-186 | 1.05 | 0.89-1.21 | y | 45.8 | 37.5-62.5 |
| PCB-150 | 1.26 | 1.05-1.43 | y | 45.0 | 37.5-62.5 | PCB-178 | 1.06 | 0.89-1.21 | y | 45.9 | 37.5-62.5 |
| PCB-152 | 1.26 | 1.05-1.43 | y | 45.3 | 37.5-62.5 | PCB-175 | 1.06 | 0.89-1.21 | y | 46.3 | 37.5-62.5 |
| PCB-145 | 1.23 | 1.05-1.43 | y | 45.7 | 37.5-62.5 | PCB-182/187 | 1.05 | 0.89-1.21 | y | 90.7 | 75.0-125 |
| PCB-136 | 1.24 | 1.05-1.43 | y | 46.9 | 37.5-62.5 | PCB-183 | 1.05 | 0.89-1.21 | y | 45.0 | 37.5-62.5 |
| PCB-148 | 1.25 | 1.05-1.43 | y | 45.0 | 37.5-62.5 | PCB-185 | 1.06 | 0.89-1.21 | y | 46.6 | 37.5-62.5 |
| PCB-154 | 1.27 | 1.05-1.43 | y | 46.8 | 37.5-62.5 | PCB-174 | 1.04 | 0.89-1.21 | y | 46.0 | 37.5-62.5 |
| PCB-151 | 1.25 | 1.05-1.43 | y | 47.1 | 37.5-62.5 | PCB-181 | 1.07 | 0.89-1.21 | y | 46.5 | 37.5-62.5 |
| PCB-135 | 1.24 | 1.05-1.43 | y | 45.0 | 37.5-62.5 | PCB-177 | 1.06 | 0.89-1.21 | y | 46.3 | 37.5-62.5 |
| PCB-144 | 1.25 | 1.05-1.43 | y | 48.3 | 37.5-62.5 | PCB-171 | 1.05 | 0.89-1.21 | y | 44.8 | 37.5-62.5 |
| PCB-147 | 1.26 | 1.05-1.43 | y | 49.0 | 37.5-62.5 | PCB-173 | 1.05 | 0.89-1.21 | y | 46.2 | 37.5-62.5 |
| PCB-139/149 | 1.26 | 1.05-1.43 | y | 95.6 | 75.0-125 | PCB-172 | 1.07 | 0.89-1.21 | y | 45.9 | 37.5-62.5 |

Analyst: JB

Date: 4/10/18

NATIVE 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E1-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E1  S#1  Analysis Date: 9-APR-18 Time: 17:33:40

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| PCB-192 | 1.04 | 0.89-1.21 | y | 46.8 | 37.5-62.5 |
| PCB-180 | 1.05 | 0.89-1.21 | y | 45.5 | 37.5-62.5 |
| PCB-193 | 1.06 | 0.89-1.21 | y | 44.5 | 37.5-62.5 |
| PCB-191 | 1.05 | 0.89-1.21 | y | 46.1 | 37.5-62.5 |
| PCB-170 | 1.04 | 0.89-1.21 | y | 46.4 | 37.5-62.5 |
| PCB-190 | 1.05 | 0.89-1.21 | y | 46.7 | 37.5-62.5 |
| PCB-189 | 1.05 | 0.89-1.21 | y | 45.1 | 37.5-62.5 |
| PCB-202 | 0.89 | 0.76-1.02 | y | 45.1 | 37.5-62.5 |
| PCB-201 | 0.88 | 0.76-1.02 | y | 45.0 | 37.5-62.5 |
| PCB-204 | 0.88 | 0.76-1.02 | y | 44.4 | 37.5-62.5 |
| PCB-197 | 0.89 | 0.76-1.02 | y | 42.5 | 37.5-62.5 |
| PCB-200 | 0.88 | 0.76-1.02 | y | 43.4 | 37.5-62.5 |
| PCB-198 | 0.88 | 0.76-1.02 | y | 41.5 | 37.5-62.5 |
| PCB-199 | 0.89 | 0.76-1.02 | y | 44.6 | 37.5-62.5 |
| PCB-196/203 | 0.90 | 0.76-1.02 | y | 87.7 | 75.0-125 |
| PCB-195 | 0.89 | 0.76-1.02 | y | 43.7 | 37.5-62.5 |
| PCB-194 | 0.90 | 0.76-1.02 | y | 43.8 | 37.5-62.5 |
| PCB-205 | 0.90 | 0.76-1.02 | y | 46.1 | 37.5-62.5 |
| PCB-208 | 1.30 | 1.14-1.54 | y | 47.3 | 37.5-62.5 |
| PCB-207 | 1.32 | 1.14-1.54 | y | 48.5 | 37.5-62.5 |
| PCB-206 | 1.31 | 1.14-1.54 | y | 48.1 | 37.5-62.5 |
| PCB-209 | 1.18 | 0.99-1.33 | y | 44.8 | 37.5-62.5 |

Analyst: DB

Date: 4/10/18

LABELED 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E1-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E1  S#1  Analysis Date: 9-APR-18 Time: 17:33:40

| LABELED IS | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| 13C-PCB-1 | 3.10 | 2.66-3.60 | y | 75.0 | 50.0-145 |
| 13C-PCB-3 | 3.12 | 2.66-3.60 | y | 76.8 | 50.0-145 |
| 13C-PCB-4 | 1.55 | 1.33-1.79 | y | 96.2 | 50.0-145 |
| 13C-PCB-9 | 1.50 | 1.33-1.79 | y | 99.9 | 50.0-145 |
| 13C-PCB-11 | 1.51 | 1.33-1.79 | y | 102.4 | 50.0-145 |
| 13C-PCB-19 | 1.07 | 0.88-1.20 | y | 105.8 | 50.0-145 |
| 13C-PCB-32 | 1.07 | 0.88-1.20 | y | 109.2 | 50.0-145 |
| 13C-PCB-28 | 1.04 | 0.88-1.20 | y | 103.5 | 50.0-145 |
| 13C-PCB-37 | 1.02 | 0.88-1.20 | y | 97.1 | 50.0-145 |
| 13C-PCB-54 | 0.79 | 0.65-0.89 | y | 110.5 | 50.0-145 |
| 13C-PCB-52 | 0.78 | 0.65-0.89 | y | 113.2 | 50.0-145 |
| 13C-PCB-47 | 0.79 | 0.65-0.89 | y | 112.0 | 50.0-145 |
| 13C-PCB-70 | 0.79 | 0.65-0.89 | y | 105.0 | 50.0-145 |
| 13C-PCB-80 | 0.78 | 0.65-0.89 | y | 102.3 | 50.0-145 |
| 13C-PCB-81 | 0.79 | 0.65-0.89 | y | 104.1 | 50.0-145 |
| 13C-PCB-77 | 0.79 | 0.65-0.89 | y | 105.6 | 50.0-145 |
| 13C-PCB-104 | 1.55 | 1.32-1.78 | y | 106.6 | 50.0-145 |
| 13C-PCB-95 | 1.59 | 1.32-1.78 | y | 100.1 | 50.0-145 |
| 13C-PCB-101 | 1.60 | 1.32-1.78 | y | 95.7 | 50.0-145 |
| 13C-PCB-97 | 1.60 | 1.32-1.78 | y | 99.1 | 50.0-145 |
| 13C-PCB-123 | 1.56 | 1.32-1.78 | y | 102.3 | 50.0-145 |
| 13C-PCB-118 | 1.59 | 1.32-1.78 | y | 102.9 | 50.0-145 |
| 13C-PCB-114 | 1.57 | 1.32-1.78 | y | 92.8 | 50.0-145 |
| 13C-PCB-105 | 1.57 | 1.32-1.78 | y | 94.1 | 50.0-145 |
| 13C-PCB-127 | 1.58 | 1.32-1.78 | y | 93.9 | 50.0-145 |
| 13C-PCB-126 | 1.57 | 1.32-1.78 | y | 93.4 | 50.0-145 |
| 13C-PCB-155 | 1.26 | 1.05-1.43 | y | 116.5 | 50.0-145 |
| 13C-PCB-153 | 1.26 | 1.05-1.43 | y | 97.2 | 50.0-145 |
| 13C-PCB-141 | 1.28 | 1.05-1.43 | y | 98.8 | 50.0-145 |
| 13C-PCB-138 | 1.26 | 1.05-1.43 | y | 98.9 | 50.0-145 |
| 13C-PCB-159 | 1.28 | 1.05-1.43 | y | 98.7 | 50.0-145 |
| 13C-PCB-167 | 1.28 | 1.05-1.43 | y | 98.9 | 50.0-145 |
| 13C-PCB-156 | 1.28 | 1.05-1.43 | y | 98.8 | 50.0-145 |
| 13C-PCB-157 | 1.27 | 1.05-1.43 | y | 98.1 | 50.0-145 |

| LABELED IS | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| 13C-PCB-169 | 1.26 | 1.05-1.43 | y | 95.2 | 50 - 145 |
| 13C-PCB-188 | 0.45 | 0.38-0.52 | y | 100.2 | 50 - 145 |
| 13C-PCB-180 | 0.46 | 0.38-0.52 | y | 99.9 | 50 - 145 |
| 13C-PCB-170 | 0.46 | 0.38-0.52 | y | 98.6 | 50 - 145 |
| 13C-PCB-189 | 0.46 | 0.38-0.52 | y | 99.3 | 50 - 145 |
| 13C-PCB-202 | 0.90 | 0.76-1.02 | y | 121.8 | 50 - 145 |
| 13C-PCB-194 | 0.91 | 0.76-1.02 | y | 98.3 | 50 - 145 |
| 13C-PCB-208 | 0.78 | 0.65-0.89 | y | 104.8 | 50 - 145 |
| 13C-PCB-206 | 0.79 | 0.65-0.89 | y | 114.8 | 50 - 145 |
| 13C-PCB-209 | 1.17 | 0.99-1.33 | y | 138.0 | 50 - 145 |

CRS vs. RS

| | | | | | |
|---|---|---|---|---|---|
| 13C-PCB-79 | 0.79 | 0.65-0.89 | y | 100.2 | 75 - 125 |
| 13C-PCB-178 | 0.45 | 0.38-0.52 | y | 99.3 | 75 - 125 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E1 S:1 Acq: 9-APR-18 17:33:40 ConCal: ST180409E1-1 
Lab ID: ST180409E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 1.08e+08 | 2.97 | y 15:59 | 1.07 | 50.14 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Mono | PCB-2 | 1.17e+08 | 3.04 | y 18:22 | 1.06 | 50.41 | | * | 2.5 | * | 0.988 | 0.983-0.993 |
| Mono | PCB-3 | 1.21e+08 | 3.01 | y 18:37 | 1.06 | 51.62 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-4/10 | 1.54e+08 | 1.56 | y 19:59 | 1.24 | 92.10 | | * | 2.5 | * | 1.003 | 0.998-1.008 |
| Di | PCB-7/9 | 1.96e+08 | 1.57 | y 21:46 | 0.99 | 88.45 | | * | 2.5 | * | 0.866 | 0.863-0.871 |
| Di | PCB-6 | 1.06e+08 | 1.56 | y 22:26 | 1.06 | 45.08 | | * | 2.5 | * | 0.893 | 0.888-0.897 |
| Di | PCB-5/8 | 2.03e+08 | 1.56 | y 22:50 | 1.03 | 88.85 | | * | 2.5 | * | 0.909 | 0.904-0.913 |
| Di | PCB-14 | 1.05e+08 | 1.57 | y 23:57 | 1.03 | 44.24 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Di | PCB-11 | 1.13e+08 | 1.58 | y 25:08 | 1.11 | 44.36 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Di | PCB-12/13 | 2.06e+08 | 1.57 | y 25:32 | 1.02 | 87.91 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Di | PCB-15 | 1.13e+08 | 1.56 | y 25:51 | 1.05 | 46.67 | | * | 2.5 | * | 1.029 | 1.023-1.033 |
| Tri | PCB-19 | 8.18e+07 | 1.04 | y 24:07 | 1.20 | 43.80 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | 1.34e+08 | 1.05 | y 25:01 | 1.93 | 44.43 | | * | 2.5 | * | 1.038 | 1.034-1.044 |
| Tri | PCB-18 | 9.20e+07 | 1.05 | y 25:46 | 0.91 | 42.85 | | * | 2.5 | * | 0.954 | 0.948-0.958 |
| Tri | PCB-17 | 8.66e+07 | 1.04 | y 25:56 | 0.84 | 43.78 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 2.37e+08 | 1.04 | y 26:31 | 1.15 | 87.70 | | * | 2.5 | * | 0.981 | 0.977-0.986 |
| Tri | PCB-16/32 | 2.07e+08 | 1.04 | y 27:02 | 1.02 | 86.37 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | 8.40e+07 | 1.03 | y 27:49 | 0.96 | 40.54 | | * | 2.5 | * | 0.959 | 0.955-0.965 |
| Tri | PCB-23 | 1.00e+08 | 1.09 | y 27:55 | 0.95 | 49.01 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Tri | PCB-29 | 9.20e+07 | 1.05 | y 28:11 | 0.96 | 44.27 | | * | 2.5 | * | 0.972 | 0.966-0.976 |
| Tri | PCB-26 | 9.17e+07 | 1.05 | y 28:23 | 1.00 | 42.34 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 1.04e+08 | 1.06 | y 28:32 | 1.06 | 45.57 | | * | 2.5 | * | 0.984 | 0.980-0.990 |
| Tri | PCB-31 | 1.05e+08 | 1.05 | y 28:54 | 1.10 | 44.37 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 1.13e+08 | 1.06 | y 29:00 | 1.14 | 45.90 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 2.82e+08 | 1.06 | y 29:37 | 1.00 | 131.3 | | * | 2.5 | * | 1.022 | 1.017-1.027 |
| Tri | PCB-22 | 1.03e+08 | 1.05 | y 30:03 | 1.09 | 43.79 | | * | 2.5 | * | 1.036 | 1.032-1.042 |
| Tri | PCB-36 | 1.05e+08 | 1.05 | y 30:41 | 1.15 | 46.47 | | * | 2.5 | * | 0.934 | 0.929-0.939 |
| Tri | PCB-39 | 9.64e+07 | 1.05 | y 31:09 | 1.07 | 45.76 | | * | 2.5 | * | 0.948 | 0.943-0.953 |
| Tri | PCB-38 | 9.80e+07 | 1.06 | y 31:55 | 1.10 | 45.14 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-35 | 9.88e+07 | 1.05 | y 32:27 | 1.12 | 44.68 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tri | PCB-37 | 9.74e+07 | 1.05 | y 32:53 | 1.11 | 44.44 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Tetra | PCB-54 | 1.05e+08 | 0.78 | y 27:53 | 1.07 | 46.58 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | 9.07e+07 | 0.77 | y 29:03 | 0.87 | 49.27 | | * | 2.5 | * | 1.043 | 1.038-1.048 |
| Tetra | PCB-53 | 8.30e+07 | 0.78 | y 29:42 | 1.01 | 46.32 | | * | 2.5 | * | 0.945 | 0.940-0.950 |
| Tetra | PCB-51 | 8.86e+07 | 0.79 | y 30:02 | 1.10 | 45.40 | | * | 2.5 | * | 0.956 | 0.952-0.962 |
| Tetra | PCB-45 | 7.23e+07 | 0.77 | y 30:28 | 0.87 | 46.72 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 6.87e+07 | 0.77 | y 30:58 | 0.84 | 46.28 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/10/18

Reviewed by: CT Date: 4/12/18

Client ID: PCB CS3 17L3006 Filename: 180409E1 S:1 Acq: 9-APR-18 17:33:40 ConCal: ST180409E1-1 
Lab ID: ST180409E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 1.97e+08 | 0.78 | y 31:27 | 1.21 | 91.53 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 1.19e+08 | 0.79 | y 31:34 | 1.45 | 46.17 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 1.65e+08 | 0.78 | y 31:43 | 1.01 | 91.70 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 8.81e+07 | 0.78 | y 31:56 | 0.91 | 50.71 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tetra | PCB-48/75 | 1.93e+08 | 0.78 | y 32:03 | 1.13 | 88.89 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | 1.10e+08 | 0.78 | y 32:19 | 1.27 | 45.08 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Tetra | PCB-62 | 1.00e+08 | 0.79 | y 32:25 | 1.10 | 47.69 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Tetra | PCB-44 | 7.72e+07 | 0.77 | y 32:44 | 0.85 | 47.11 | | * | 2.5 | * | 1.026 | 1.020-1.030 |
| Tetra | PCB-42/59 | 1.80e+08 | 0.78 | y 32:57 | 1.02 | 92.18 | | * | 2.5 | * | 1.033 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 4.08e+08 | 0.78 | y 33:32 | 1.17 | 182.6 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 1.08e+08 | 0.78 | y 33:48 | 1.28 | 44.23 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Tetra | PCB-40 | 5.48e+07 | 0.80 | y 34:01 | 0.62 | 45.82 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Tetra | PCB-57 | 1.12e+08 | 0.77 | y 34:22 | 1.13 | 46.17 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 1.03e+08 | 0.77 | y 34:41 | 1.10 | 43.29 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | 1.19e+08 | 0.79 | y 34:47 | 1.12 | 49.30 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Tetra | PCB-63 | 9.84e+07 | 0.78 | y 34:57 | 1.00 | 45.74 | | * | 2.5 | * | 0.987 | 0.981-0.991 |
| Tetra | PCB-74 | 1.13e+08 | 0.77 | y 35:14 | 1.18 | 44.28 | | * | 2.5 | * | 0.995 | 0.989-0.999 |
| Tetra | PCB-61/70 | 2.07e+08 | 0.78 | y 35:25 | 1.03 | 93.57 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Tetra | PCB-76/66 | 2.22e+08 | 0.79 | y 35:37 | 1.13 | 90.93 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-80 | 1.15e+08 | 0.78 | y 35:52 | 1.19 | 46.00 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-55 | 1.15e+08 | 0.77 | y 36:11 | 1.16 | 47.25 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Tetra | PCB-56/60 | 1.99e+08 | 0.78 | y 36:41 | 1.04 | 91.30 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | 1.11e+08 | 0.78 | y 37:45 | 1.17 | 45.24 | | * | 2.5 | * | 1.053 | 1.047-1.057 |
| Tetra | PCB-78 | 1.07e+08 | 0.76 | y 38:27 | 1.10 | 45.05 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tetra | PCB-81 | 9.85e+07 | 0.77 | y 38:58 | 0.97 | 47.22 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-77 | 1.03e+08 | 0.78 | y 39:34 | 1.08 | 45.77 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | 8.24e+07 | 1.56 | y 32:34 | 1.08 | 42.02 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-96 | 8.64e+07 | 1.56 | y 33:49 | 1.13 | 41.96 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 6.79e+07 | 1.57 | y 34:24 | 0.91 | 41.15 | | * | 2.5 | * | 1.057 | 1.051-1.061 |
| Penta | PCB-100 | 6.93e+07 | 1.56 | y 34:44 | 0.93 | 41.15 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 5.41e+07 | 1.55 | y 35:12 | 0.91 | 43.48 | | * | 2.5 | * | 0.985 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 2.07e+08 | 1.55 | y 35:42 | 1.17 | 130.0 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Penta | PCB-93 | 5.05e+07 | 1.63 | y 35:50 | 0.93 | 40.10 | | * | 2.5 | * | 1.003 | 0.997-1.007 |
| Penta | PCB-88/91 | 1.17e+08 | 1.57 | y 36:07 | 0.97 | 88.24 | | * | 2.5 | * | 1.011 | 1.005-1.015 |
| Penta | PCB-121 | 9.02e+07 | 1.58 | y 36:14 | 1.68 | 39.41 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-84/92 | 1.10e+08 | 1.57 | y 37:03 | 0.97 | 86.81 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 5.99e+07 | 1.56 | y 37:14 | 1.06 | 43.27 | | * | 2.5 | * | 0.995 | 0.990-1.000 |

Analyst: JB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E1 S:1 Acq: 9-APR-18 17:33:40 ConCal: ST180409E1-1 
Lab ID: ST180409E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 1.21e+08 | 1.57 | y 37:25 | 1.08 | 86.55 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 8.58e+07 | 1.56 | y 37:40 | 1.48 | 44.65 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Penta | PCB-99 | 6.99e+07 | 1.59 | y 37:46 | 1.25 | 42.86 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 8.54e+07 | 1.54 | y 38:13 | 1.70 | 42.66 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Penta | PCB-108/112 | 1.43e+08 | 1.58 | y 38:22 | 1.40 | 86.74 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | 8.90e+07 | 1.58 | y 38:32 | 1.75 | 43.08 | | * | 2.5 | * | 0.995 | 0.990-1.000 |
| Penta | PCB-97 | 5.98e+07 | 1.57 | y 38:44 | 1.17 | 43.25 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-86 | 5.56e+07 | 1.51 | y 38:52 | 1.08 | 43.64 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-87/117/125 | 2.40e+08 | 1.59 | y 39:00 | 1.55 | 131.5 | | * | 2.5 | * | 1.007 | 1.002-1.012 |
| Penta | PCB-111/115 | 1.81e+08 | 1.57 | y 39:10 | 1.79 | 85.48 | | * | 2.5 | * | 1.012 | 1.006-1.016 |
| Penta | PCB-85/116 | 1.47e+08 | 1.55 | y 39:17 | 1.29 | 96.56 | | * | 2.5 | * | 1.015 | 1.009-1.019 |
| Penta | PCB-120 | 9.75e+07 | 1.56 | y 39:32 | 1.98 | 41.74 | | * | 2.5 | * | 1.021 | 1.016-1.026 |
| Penta | PCB-110 | 9.30e+07 | 1.59 | y 39:40 | 1.69 | 46.86 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 5.72e+07 | 1.59 | y 40:17 | 0.81 | 43.31 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 9.20e+07 | 1.55 | y 40:58 | 1.30 | 43.39 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Penta | PCB-107/109 | 1.86e+08 | 1.57 | y 41:07 | 1.31 | 86.69 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Penta | PCB-123 | 7.97e+07 | 1.56 | y 41:17 | 1.12 | 43.52 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 1.79e+08 | 1.56 | y 41:30 | 1.18 | 87.29 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-114 | 7.32e+07 | 1.59 | y 42:07 | 1.11 | 45.84 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-122 | 6.35e+07 | 1.57 | y 42:15 | 1.03 | 43.07 | | * | 2.5 | * | 1.003 | 0.999-1.009 |
| Penta | PCB-105 | 6.99e+07 | 1.58 | y 42:58 | 1.12 | 44.31 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-127 | 7.49e+07 | 1.55 | y 43:19 | 1.12 | 43.94 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-126 | 7.49e+07 | 1.56 | y 45:12 | 1.20 | 44.94 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-155 | 6.91e+07 | 1.26 | y 36:59 | 0.99 | 42.99 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-150 | 7.50e+07 | 1.26 | y 38:14 | 1.02 | 44.95 | | * | 2.5 | * | 1.035 | 1.030-1.040 |
| Hexa | PCB-152 | 8.54e+07 | 1.26 | y 38:43 | 1.16 | 45.32 | | * | 2.5 | * | 1.047 | 1.042-1.052 |
| Hexa | PCB-145 | 8.41e+07 | 1.23 | y 39:09 | 1.13 | 45.74 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Hexa | PCB-136 | 7.81e+07 | 1.24 | y 39:28 | 1.02 | 46.85 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | 5.66e+07 | 1.25 | y 39:36 | 0.77 | 44.98 | | * | 2.5 | * | 1.071 | 1.066-1.076 |
| Hexa | PCB-154 | 6.68e+07 | 1.27 | y 40:05 | 0.88 | 46.81 | | * | 2.5 | * | 1.084 | 1.079-1.089 |
| Hexa | PCB-151 | 5.77e+07 | 1.25 | y 40:43 | 0.75 | 47.14 | | * | 2.5 | * | 1.102 | 1.095-1.107 |
| Hexa | PCB-135 | 6.31e+07 | 1.24 | y 40:56 | 0.86 | 45.05 | | * | 2.5 | * | 1.107 | 1.101-1.113 |
| Hexa | PCB-144 | 6.03e+07 | 1.25 | y 41:02 | 0.77 | 48.32 | | * | 2.5 | * | 1.110 | 1.105-1.116 |
| Hexa | PCB-147 | 6.42e+07 | 1.26 | y 41:10 | 0.80 | 48.99 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 1.37e+08 | 1.26 | y 41:26 | 0.88 | 95.56 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | 5.91e+07 | 1.25 | y 41:37 | 0.77 | 47.16 | | * | 2.5 | * | 1.126 | 1.120-1.132 |
| Hexa | PCB-134/143 | 1.24e+08 | 1.23 | y 42:03 | 0.76 | 95.46 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E1 S:1 Acq: 9-APR-18 17:33:40 ConCal: ST180409E1-1 
Lab ID: ST180409E1-1 GC Column ID: ZB-1 ICal: PCBVCS-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 1.31e+08 | 1.24 | y 42:20 | 0.82 | 94.50 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Hexa | PCB-142 | 6.14e+07 | 1.25 | y 42:29 | 0.73 | 49.40 | | * | 2.5 | * | 0.985 | 0.981-0.991 |
| Hexa | PCB-146/165 | 1.63e+08 | 1.25 | y 42:44 | 1.02 | 94.31 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Hexa | PCB-132/161 | 1.64e+08 | 1.25 | y 42:58 | 1.00 | 96.05 | | * | 2.5 | * | 0.996 | 0.992-1.002 |
| Hexa | PCB-153 | 8.53e+07 | 1.25 | y 43:09 | 1.08 | 46.64 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-168 | 8.53e+07 | 1.25 | y 43:21 | 1.12 | 44.97 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Hexa | PCB-141 | 6.91e+07 | 1.23 | y 43:53 | 1.02 | 47.41 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 6.68e+07 | 1.23 | y 44:16 | 1.10 | 42.33 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Hexa | PCB-130 | 6.12e+07 | 1.25 | y 44:22 | 0.81 | 53.12 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 2.63e+08 | 1.24 | y 44:45 | 1.23 | 140.1 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | 1.69e+08 | 1.24 | y 44:59 | 1.18 | 93.98 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 5.48e+07 | 1.25 | y 45:12 | 0.78 | 46.16 | | * | 2.5 | * | 1.011 | 1.007-1.017 |
| Hexa | PCB-166 | 9.70e+07 | 1.23 | y 45:40 | 1.13 | 48.01 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Hexa | PCB-159 | 9.97e+07 | 1.25 | y 46:01 | 1.16 | 48.06 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-128/162 | 1.50e+08 | 1.24 | y 46:17 | 0.89 | 94.00 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Hexa | PCB-167 | 8.61e+07 | 1.23 | y 46:41 | 1.02 | 46.61 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-156 | 8.61e+07 | 1.24 | y 47:59 | 1.06 | 45.32 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 8.38e+07 | 1.23 | y 48:14 | 1.02 | 46.45 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | 9.14e+07 | 1.25 | y 50:27 | 1.13 | 46.75 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-188 | 8.78e+07 | 1.05 | y 42:47 | 1.37 | 44.40 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-184 | 8.61e+07 | 1.05 | y 43:13 | 1.32 | 45.31 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Hepta | PCB-179 | 8.87e+07 | 1.05 | y 43:60 | 1.38 | 44.49 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | 8.47e+07 | 1.06 | y 44:28 | 1.31 | 44.93 | | * | 2.5 | * | 1.040 | 1.035-1.045 |
| Hepta | PCB-186 | 9.37e+07 | 1.05 | y 45:04 | 1.42 | 45.77 | | * | 2.5 | * | 1.054 | 1.049-1.059 |
| Hepta | PCB-178 | 6.42e+07 | 1.06 | y 45:34 | 0.97 | 45.94 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Hepta | PCB-175 | 6.66e+07 | 1.06 | y 45:55 | 1.00 | 46.28 | | * | 2.5 | * | 1.074 | 1.069-1.079 |
| Hepta | PCB-182/187 | 1.49e+08 | 1.05 | y 46:06 | 1.14 | 90.71 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | 7.32e+07 | 1.05 | y 46:24 | 1.13 | 45.03 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | 6.34e+07 | 1.06 | y 47:03 | 1.36 | 46.62 | | * | 2.5 | * | 0.955 | 0.950-0.960 |
| Hepta | PCB-174 | 6.53e+07 | 1.04 | y 47:25 | 1.42 | 45.98 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | 6.89e+07 | 1.07 | y 47:32 | 1.48 | 46.51 | | * | 2.5 | * | 0.965 | 0.960-0.970 |
| Hepta | PCB-177 | 6.17e+07 | 1.06 | y 47:42 | 1.33 | 46.33 | | * | 2.5 | * | 0.968 | 0.963-0.973 |
| Hepta | PCB-171 | 6.16e+07 | 1.05 | y 47:59 | 1.37 | 44.82 | | * | 2.5 | * | 0.974 | 0.969-0.979 |
| Hepta | PCB-173 | 5.88e+07 | 1.05 | y 48:24 | 1.27 | 46.20 | | * | 2.5 | * | 0.983 | 0.978-0.988 |
| Hepta | PCB-172 | 6.39e+07 | 1.07 | y 48:52 | 1.39 | 45.91 | | * | 2.5 | * | 0.992 | 0.987-0.997 |
| Hepta | PCB-192 | 8.48e+07 | 1.04 | y 49:04 | 1.80 | 46.84 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Hepta | PCB-180 | 6.93e+07 | 1.05 | y 49:16 | 1.52 | 45.52 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: JB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E1 S:1 Acq: 9-APR-18 17.33:40 ConCal: ST180409E1-1 
Lab ID: ST180409E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | 7.65e+07 | 1.06 | y 49:28 | 1.71 | 44.54 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-191 | 8.05e+07 | 1.05 | y 49:44 | 1.74 | 46.10 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Hepta | PCB-170 | 5.80e+07 | 1.04 | y 50:52 | 1.44 | 46.37 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-190 | 7.94e+07 | 1.05 | y 51:03 | 1.95 | 46.68 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | 7.70e+07 | 1.05 | y 52:28 | 1.46 | 45.10 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-202 | 7.67e+07 | 0.89 | y 48:12 | 1.06 | 45.10 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-201 | 7.06e+07 | 0.88 | y 48:41 | 0.98 | 44.99 | | * | 2.5 | * | 1.010 | 1.006-1.016 |
| Octa | PCB-204 | 7.63e+07 | 0.88 | y 48:50 | 1.07 | 44.41 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Octa | PCB-197 | 7.50e+07 | 0.89 | y 49:08 | 1.10 | 42.54 | | * | 2.5 | * | 1.020 | 1.015-1.025 |
| Octa | PCB-200 | 7.25e+07 | 0.88 | y 50:02 | 1.04 | 43.37 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Octa | PCB-198 | 5.59e+07 | 0.88 | y 51:31 | 0.84 | 41.49 | | * | 2.5 | * | 1.069 | 1.065-1.075 |
| Octa | PCB-199 | 5.72e+07 | 0.89 | y 51:38 | 0.80 | 44.56 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 1.18e+08 | 0.90 | y 51:55 | 0.84 | 87.68 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Octa | PCB-195 | 4.37e+07 | 0.89 | y 53:09 | 1.04 | 43.66 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 4.89e+07 | 0.90 | y 54:03 | 1.16 | 43.78 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | 5.92e+07 | 0.90 | y 54:19 | 1.33 | 46.09 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Nona | PCB-208 | 6.20e+07 | 1.30 | y 53:18 | 0.90 | 47.29 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | 6.30e+07 | 1.32 | y 53:37 | 0.89 | 48.49 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Nona | PCB-206 | 5.02e+07 | 1.31 | y 55:36 | 0.88 | 48.12 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 6.06e+07 | 1.18 | y 56:55 | 1.04 | 44.82 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E1 S:1 Acq: 9-APR-18 17:33:40 ConCal: ST180409E1-1 

Lab ID: ST180409E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:1.0000 EndCAL: NA

| Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 2.01e+08 | 3.10 | y | 1.13 | 15:58 | 0.618 | 0.616 | 0.622 | 75.0 | 75.0 |
| 13C-PCB-3 | 2.20e+08 | 3.12 | y | 1.21 | 18:36 | 0.720 | 0.716 | 0.724 | 76.8 | 76.8 |
| 13C-PCB-4 | 1.35e+08 | 1.55 | y | 0.59 | 19:56 | 0.772 | 0.769 | 0.777 | 96.2 | 96.2 |
| 13C-PCB-9 | 2.23e+08 | 1.50 | y | 0.94 | 21:44 | 0.841 | 0.837 | 0.845 | 99.9 | 99.9 |
| 13C-PCB-11 | 2.30e+08 | 1.51 | y | 0.95 | 25:08 | 0.973 | 0.968 | 0.978 | 102 | 102 |
| 13C-PCB-19 | 1.56e+08 | 1.07 | y | 0.62 | 24:06 | 0.933 | 0.928 | 0.938 | 106 | 106 |
| 13C-PCB-28 | 2.16e+08 | 1.04 | y | 1.05 | 28:60 | 1.004 | 0.999 | 1.009 | 104 | 104 |
| 13C-PCB-32 | 2.35e+08 | 1.07 | y | 0.91 | 27:02 | 1.046 | 1.041 | 1.051 | 109 | 109 |
| 13C-PCB-37 | 1.97e+08 | 1.02 | y | 1.02 | 32:52 | 1.138 | 1.132 | 1.144 | 97.1 | 97.1 |
| 13C-PCB-47 | 1.92e+08 | 0.79 | y | 0.83 | 31:55 | 0.870 | 0.867 | 0.875 | 112 | 112 |
| 13C-PCB-52 | 1.77e+08 | 0.78 | y | 0.76 | 31:25 | 0.857 | 0.853 | 0.861 | 113 | 113 |
| 13C-PCB-54 | 2.11e+08 | 0.79 | y | 0.93 | 27:51 | 0.760 | 0.756 | 0.764 | 110 | 110 |
| 13C-PCB-70 | 2.15e+08 | 0.79 | y | 1.00 | 35:26 | 0.966 | 0.961 | 0.971 | 105 | 105 |
| 13C-PCB-77 | 2.08e+08 | 0.79 | y | 0.96 | 39:33 | 1.078 | 1.073 | 1.083 | 106 | 106 |
| 13C-PCB-80 | 2.09e+08 | 0.78 | y | 1.00 | 35:52 | 0.978 | 0.973 | 0.983 | 102 | 102 |
| 13C-PCB-81 | 2.15e+08 | 0.79 | y | 1.01 | 38:57 | 1.062 | 1.057 | 1.067 | 104 | 104 |
| 13C-PCB-95 | 1.36e+08 | 1.59 | y | 0.80 | 35:44 | 0.913 | 0.908 | 0.918 | 100 | 100 |
| 13C-PCB-97 | 1.18e+08 | 1.60 | y | 0.70 | 38:43 | 0.989 | 0.984 | 0.994 | 99.1 | 99.1 |
| 13C-PCB-101 | 1.30e+08 | 1.60 | y | 0.80 | 37:25 | 0.956 | 0.951 | 0.961 | 95.7 | 95.7 |
| 13C-PCB-104 | 1.82e+08 | 1.55 | y | 1.01 | 32:33 | 0.832 | 0.828 | 0.836 | 107 | 107 |
| 13C-PCB-105 | 1.40e+08 | 1.57 | y | 1.14 | 42:58 | 0.929 | 0.924 | 0.934 | 94.1 | 94.1 |
| 13C-PCB-114 | 1.44e+08 | 1.57 | y | 1.18 | 42:06 | 0.910 | 0.905 | 0.915 | 92.8 | 92.8 |
| 13C-PCB-118 | 1.74e+08 | 1.59 | y | 1.00 | 41:27 | 1.059 | 1.054 | 1.064 | 103 | 103 |
| 13C-PCB-123 | 1.64e+08 | 1.56 | y | 0.95 | 41:16 | 1.054 | 1.049 | 1.059 | 102 | 102 |
| 13C-PCB-126 | 1.39e+08 | 1.57 | y | 1.14 | 45:12 | 0.977 | 0.972 | 0.982 | 93.4 | 93.4 |
| 13C-PCB-127 | 1.53e+08 | 1.58 | y | 1.24 | 43:19 | 0.937 | 0.931 | 0.941 | 93.9 | 93.9 |
| 13C-PCB-138 | 1.52e+08 | 1.26 | y | 1.17 | 44:42 | 0.967 | 0.962 | 0.972 | 98.9 | 98.9 |
| 13C-PCB-141 | 1.43e+08 | 1.28 | y | 1.11 | 43:52 | 0.949 | 0.944 | 0.954 | 98.8 | 98.8 |
| 13C-PCB-153 | 1.70e+08 | 1.26 | y | 1.34 | 43:08 | 0.932 | 0.928 | 0.938 | 97.2 | 97.2 |
| 13C-PCB-155 | 1.63e+08 | 1.26 | y | 0.83 | 36:58 | 0.944 | 0.939 | 0.949 | 117 | 117 |
| 13C-PCB-156 | 1.79e+08 | 1.28 | y | 1.38 | 47:58 | 1.037 | 1.032 | 1.042 | 98.8 | 98.8 |
| 13C-PCB-157 | 1.76e+08 | 1.27 | y | 1.37 | 48:14 | 1.043 | 1.037 | 1.047 | 98.1 | 98.1 |
| 13C-PCB-159 | 1.79e+08 | 1.28 | y | 1.39 | 45:60 | 0.995 | 0.989 | 0.999 | 98.7 | 98.7 |
| 13C-PCB-167 | 1.81e+08 | 1.28 | y | 1.40 | 46:40 | 1.009 | 1.004 | 1.014 | 98.9 | 98.9 |
| 13C-PCB-169 | 1.73e+08 | 1.26 | y | 1.39 | 50:26 | 1.090 | 1.085 | 1.095 | 95.2 | 95.2 |
| 13C-PCB-170 | 8.71e+07 | 0.46 | y | 0.86 | 50:51 | 1.103 | 1.097 | 1.109 | 98.6 | 98.6 |
| 13C-PCB-180 | 1.00e+08 | 0.46 | y | 0.98 | 49:15 | 1.069 | 1.064 | 1.074 | 99.9 | 99.9 |
| 13C-PCB-188 | 1.44e+08 | 0.45 | y | 1.40 | 42:46 | 0.928 | 0.923 | 0.933 | 100 | 100 |
| 13C-PCB-189 | 1.17e+08 | 0.46 | y | 1.15 | 52:28 | 1.138 | 1.132 | 1.144 | 99.3 | 99.3 |
| 13C-PCB-194 | 9.66e+07 | 0.91 | y | 0.77 | 54:02 | 0.995 | 0.990 | 1.000 | 98.3 | 98.3 |
| 13C-PCB-202 | 1.61e+08 | 0.90 | y | 1.28 | 48:11 | 1.045 | 1.040 | 1.050 | 122 | 122 |
| 13C-PCB-206 | 1.18e+08 | 0.79 | y | 0.81 | 55:35 | 1.024 | 1.019 | 1.029 | 115 | 115 |
| 13C-PCB-208 | 1.46e+08 | 0.78 | y | 1.09 | 53:17 | 0.981 | 0.977 | 0.987 | 105 | 105 |
| 13C-PCB-209 | 1.30e+08 | 1.17 | y | 0.74 | 56:54 | 1.048 | 1.043 | 1.053 | 138 | 138 |

CRS vs. RS

| Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 2.12e+08 | 0.79 | y | 1.03 | 37:44 | 1.029 | 1.024 | 1.034 | 100 | 100 |
| 13C-PCB-178 | 9.47e+07 | 0.45 | y | 0.93 | 45:33 | 0.985 | 0.980 | 0.990 | 99.3 | 99.3 |

PS vs. IS

| Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 2.12e+08 | 0.79 | y | 1.03 | 37:44 | 0.969 | 0.963 | 0.973 | 96.3 | 96.3 |
| 13C-PCB-178 | 9.47e+07 | 0.45 | y | 0.95 | 45:33 | 0.925 | 0.920 | 0.930 | 99.3 | 99.3 |

RS

| Name | Resp | RA | | RRF | RT | Conc |
|---|---|---|---|---|---|---|
| 13C-PCB-15 | 2.36e+08 | 1.52 | y | 1.00 | 25:50 | 100 |
| 13C-PCB-31 | 1.99e+08 | 1.02 | y | 1.00 | 28:53 | 100 |
| 13C-PCB-60 | 2.05e+08 | 0.79 | y | 1.00 | 36:40 | 100 |
| 13C-PCB-111 | 1.69e+08 | 1.57 | y | 1.00 | 39:09 | 100 |
| 13C-PCB-128 | 1.31e+08 | 1.27 | y | 1.00 | 46:15 | 100 |
| 13C-PCB-182 | 1.03e+08 | 0.46 | y | 1.00 | 46:05 | 100 |
| 13C-PCB-205 | 1.28e+08 | 0.92 | y | 1.00 | 54:18 | 100 |

Analyst: DB

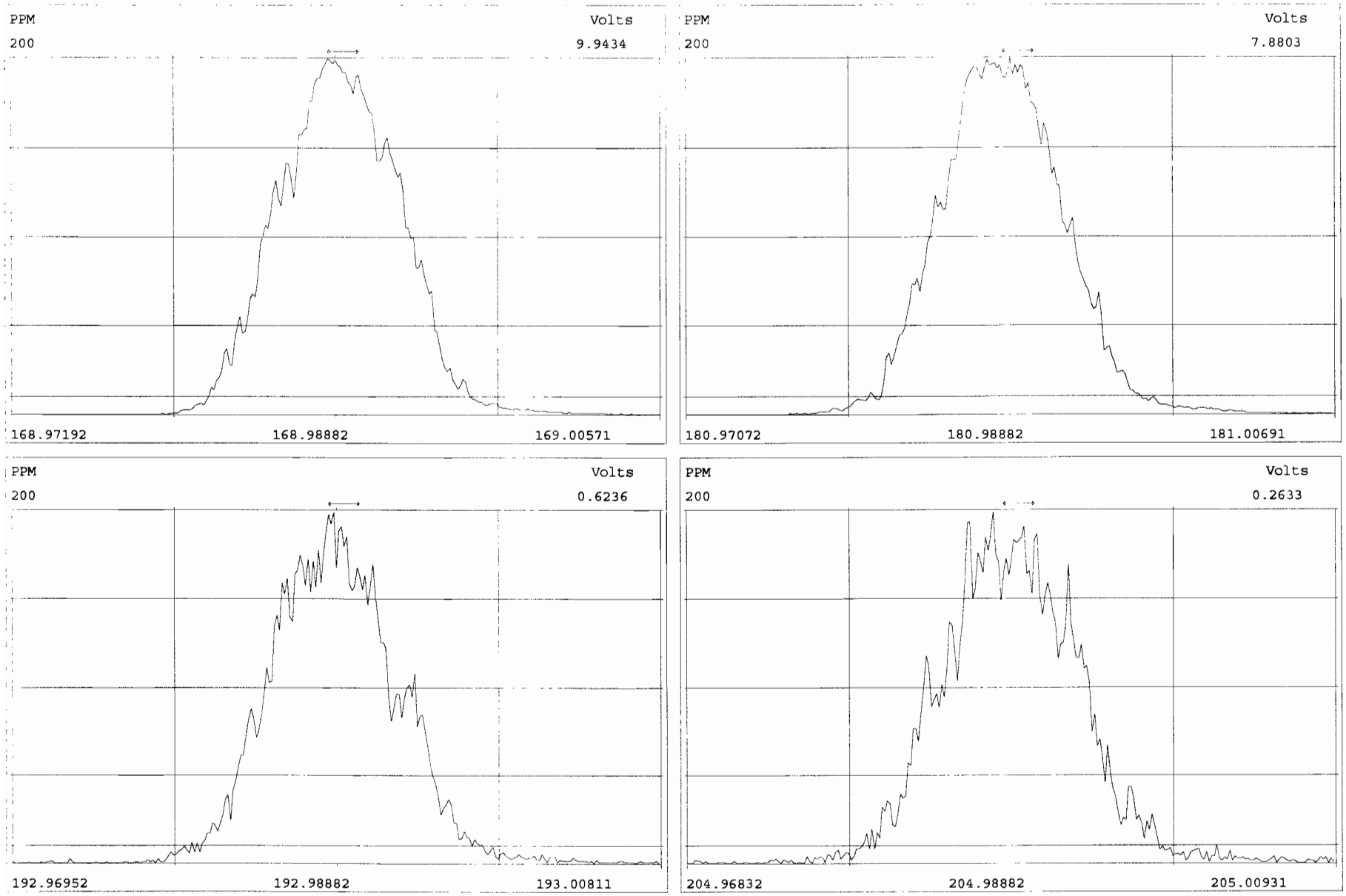
Date: 4/10/18

Vista Analytical Laboratory - Injection Log Run file: 180409E1 Instrument ID: VG-8 GC Column ID: ZB-1

| Data file | S# | Sample ID | Analyst | Acq date | Acq time | CCal | ECal |
|---|---|---|---|---|---|---|---|
| 180409E1 | 1 | ST180409E1-1 | DB | 9-APR-18 | 17:33:40 | ST180409E1-1 | NA |
| 180409E1 | 2 | B8D0041-BS1 | DB | 9-APR-18 | 18:38:48 | ST180409E1-1 | NA |
| 180409E1 | 3 | SOLVENT BLANK | DB | 9-APR-18 | 19:43:58 | ST180409E1-1 | NA |
| 180409E1 | 4 | B8D0041-BLK1 | DB | 9-APR-18 | 20:49:06 | ST180409E1-1 | NA |
| 180409E1 | 5 | B8D0041-MS1 | DB | 9-APR-18 | 21:54:14 | ST180409E1-1 | NA |
| 180409E1 | 6 | B8D0041-MSD1 | DB | 9-APR-18 | 22:59:22 | ST180409E1-1 | NA |
| 180409E1 | 7 | 1701560-01 | DB | 10-APR-18 | 00:04:30 | ST180409E1-1 | NA |
| 180409E1 | 8 | 1701560-02 | DB | 10-APR-18 | 01:09:38 | ST180409E1-1 | NA |
| 180409E1 | 9 | 1701560-03 | DB | 10-APR-18 | 02:14:46 | ST180409E1-1 | NA |
| 180409E1 | 10 | 1701560-04 | DB | 10-APR-18 | 03:19:53 | ST180409E1-1 | NA |
| 180409E1 | 11 | 1701560-05 | DB | 10-APR-18 | 04:25:00 | ST180409E1-1 | NA |
| 180409E1 | 12 | 1701560-06 | DB | 10-APR-18 | 05:30:06 | ST180409E1-1 | NA |

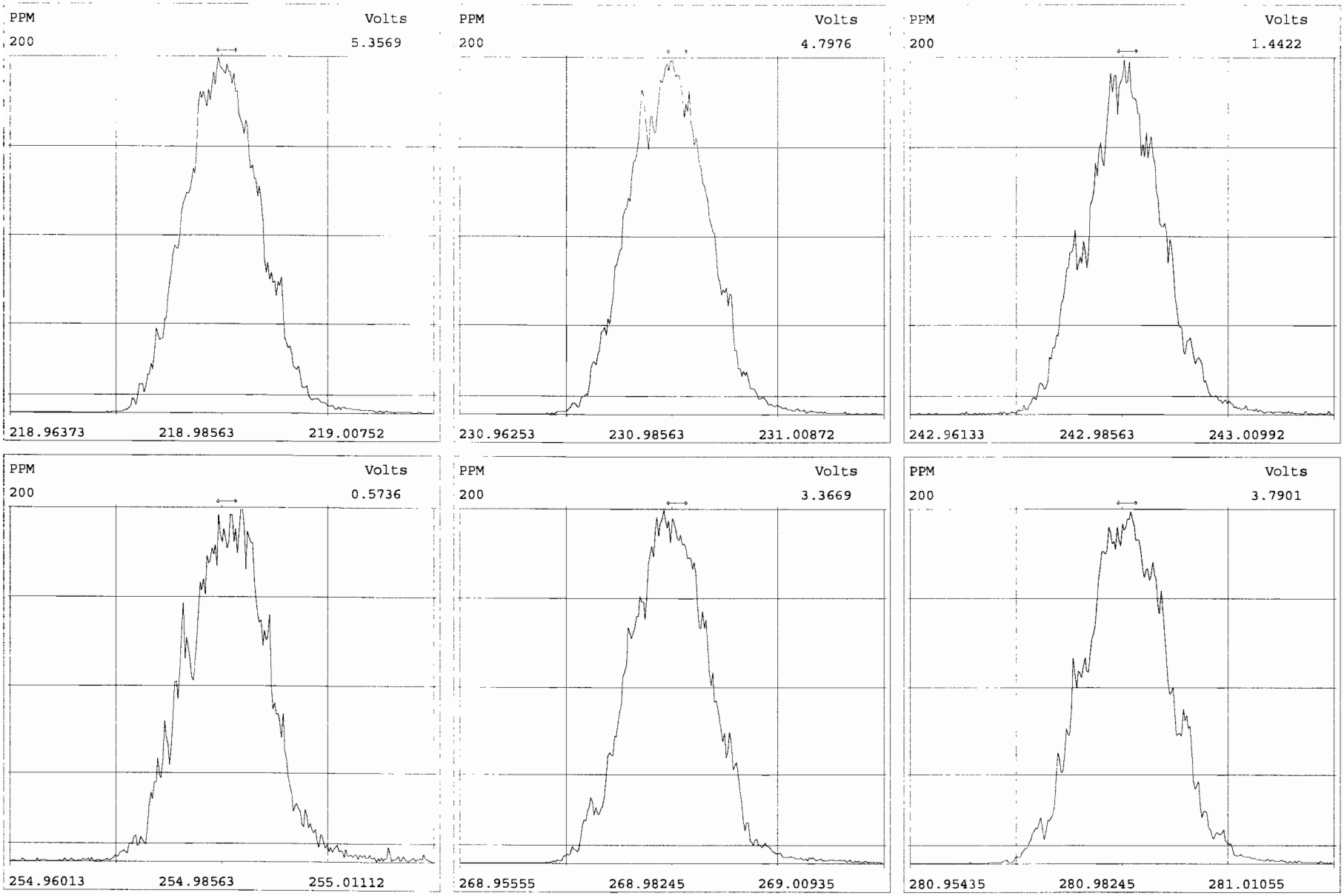
Peak Locate Examination: 9-APR-2018:17:31 File:180409E1

Experiment:PCB_ZB1 Function:1 Reference:PFK



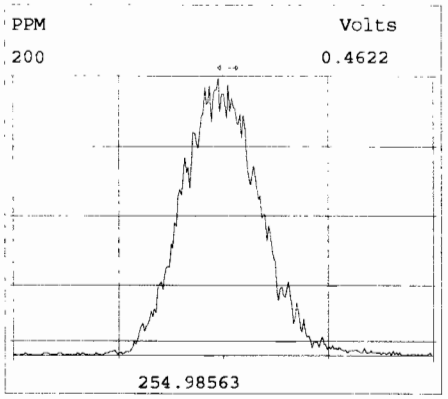
Peak Locate Examination: 9-APR-2018:17:31 File:180409E1

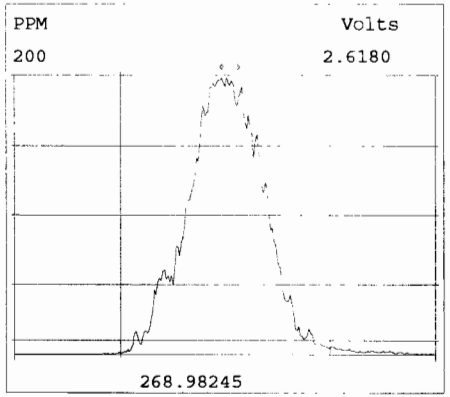
Experiment:PCB_ZB1 Function:2 Reference:PFK

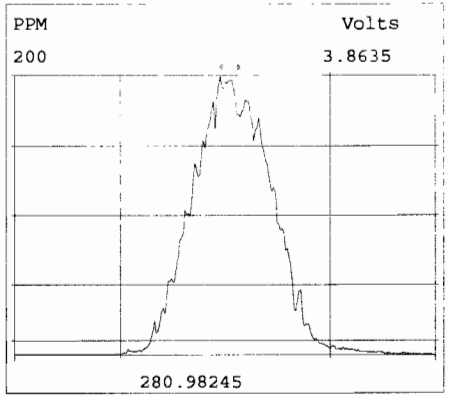


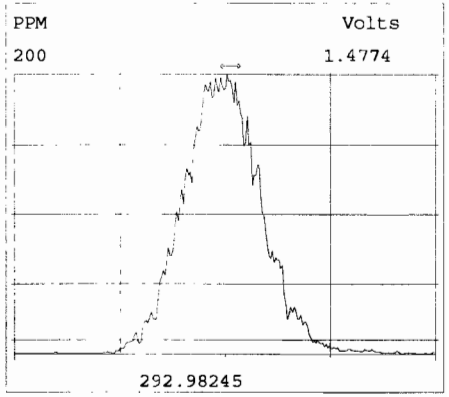
Peak Locate Examination: 9-APR-2018:17:32 File:180409E1

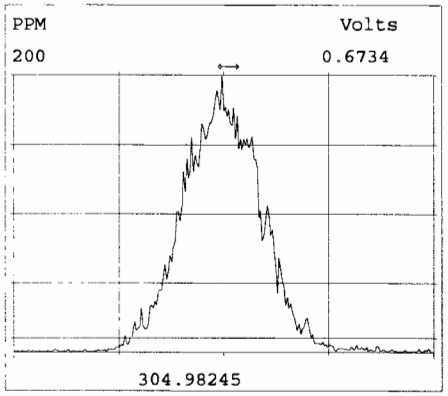
Experiment:PCB_ZB1 Function:3 Reference:PFK

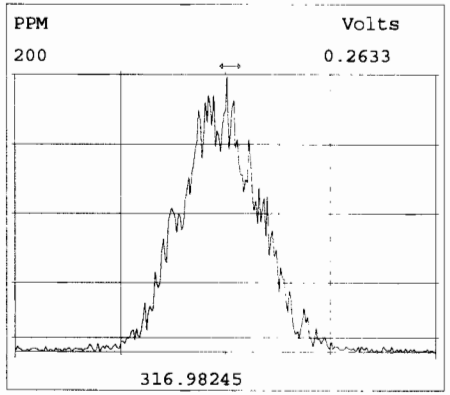


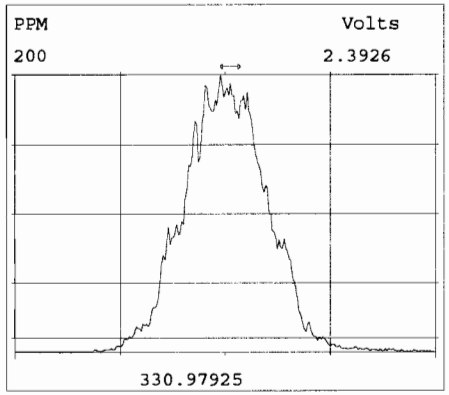



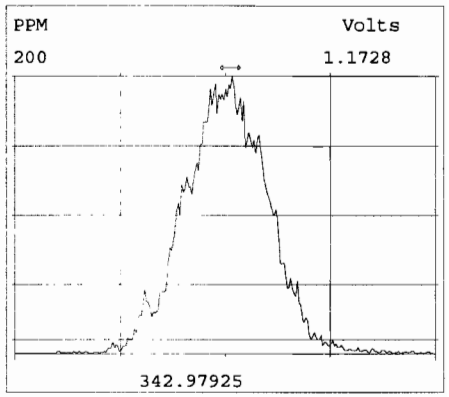



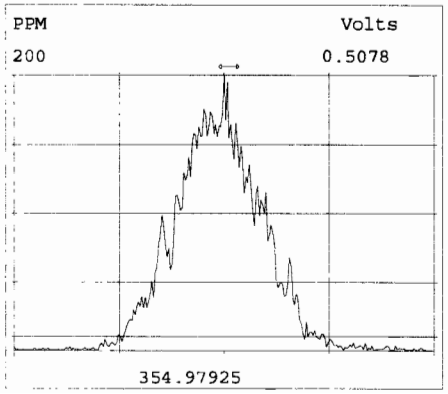



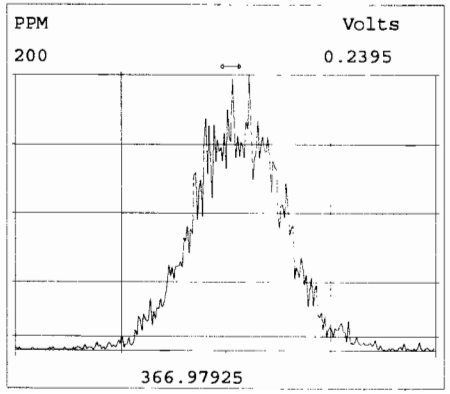



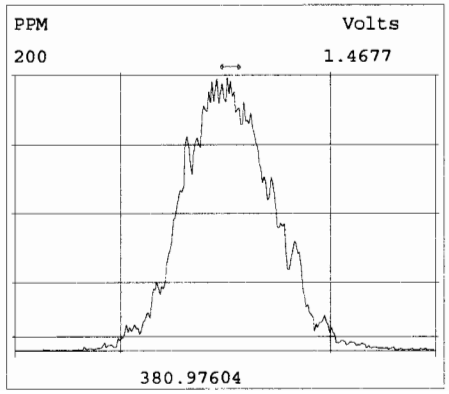



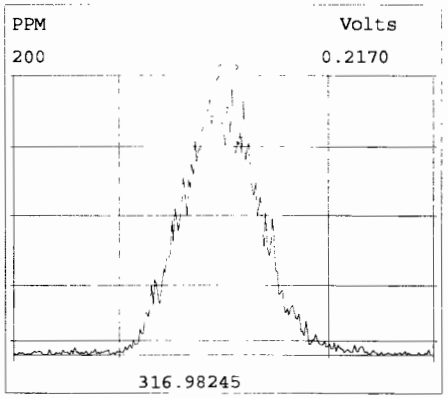



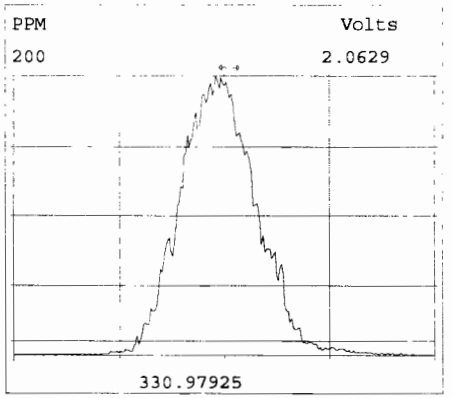



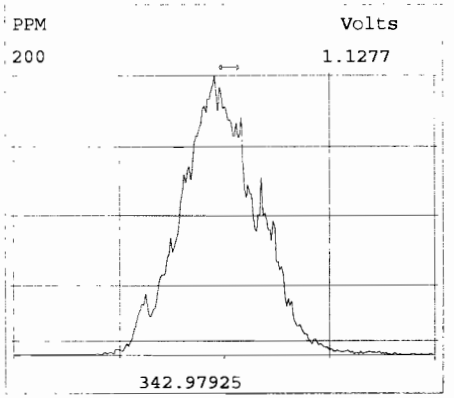



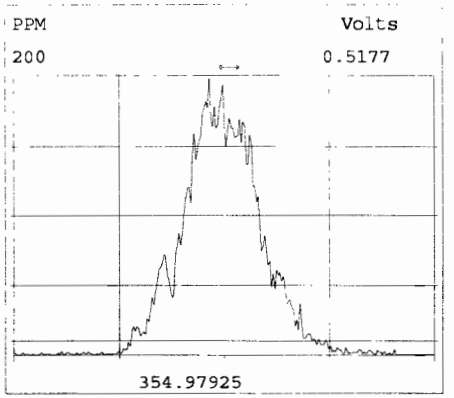
Peak Locate Examination: 9-APR-2018:17:32 File:180409E1

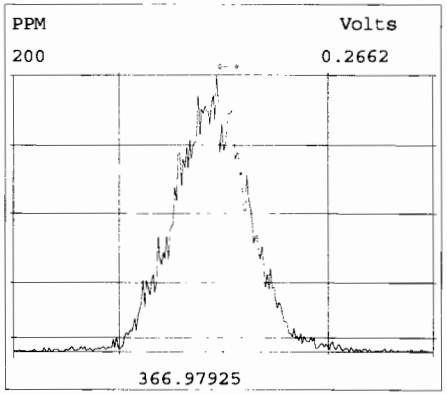
Experiment:PCB_ZB1 Function:4 Reference:PFK

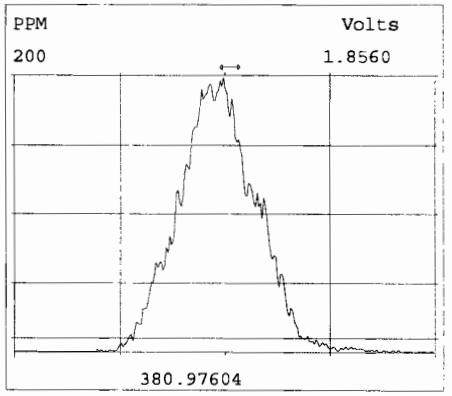


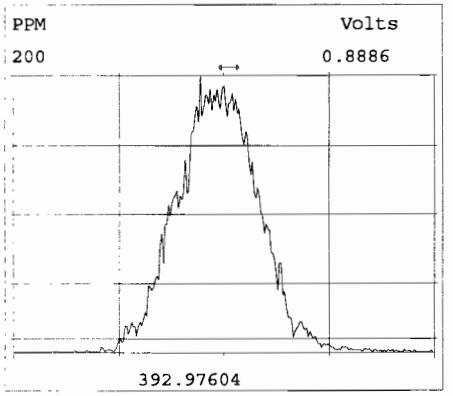



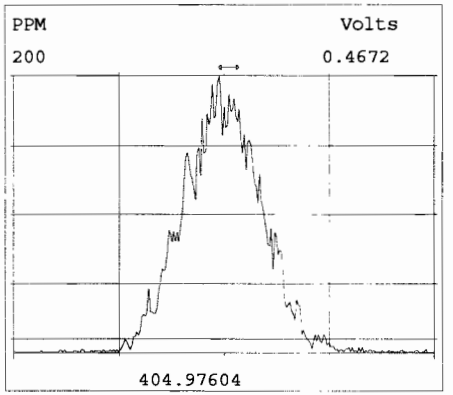



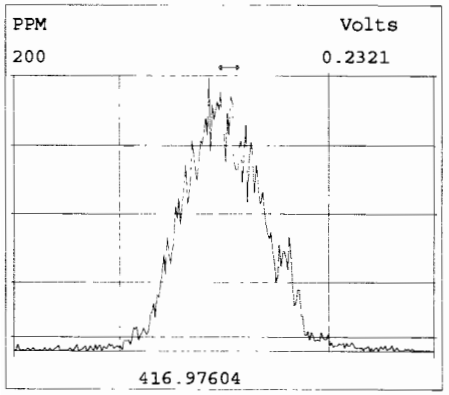



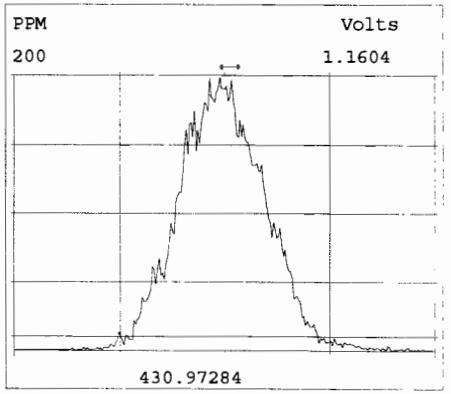



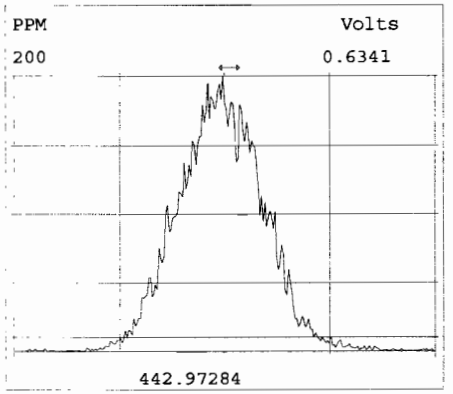



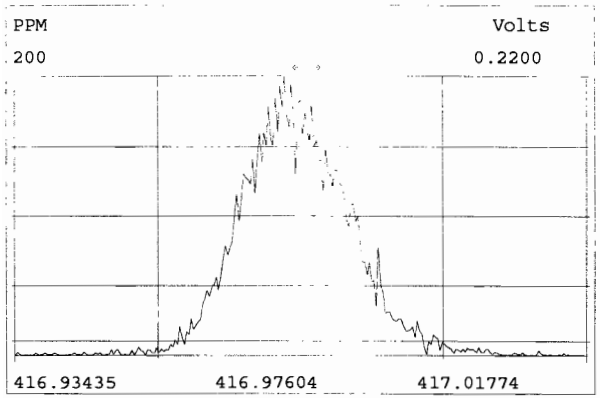



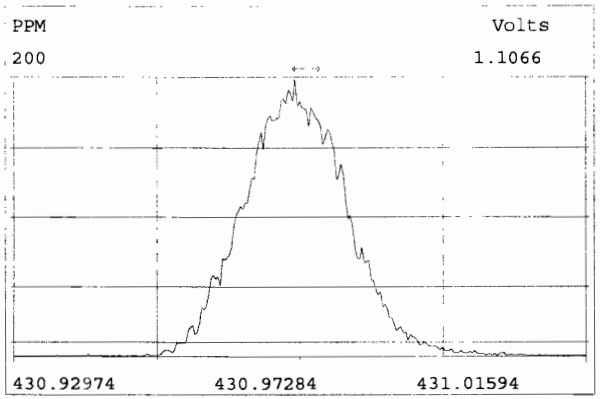



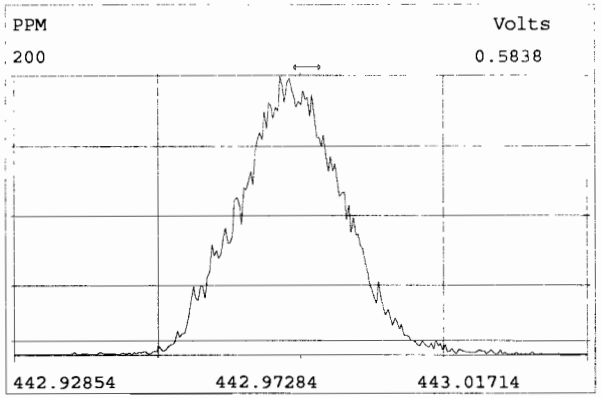



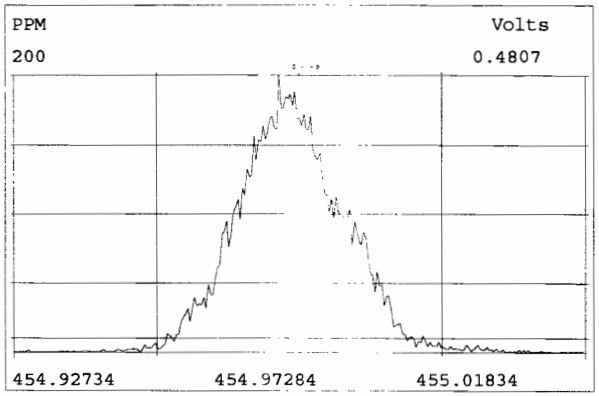
Peak Locate Examination: 9-APR-2018:17:33 File:180409E1

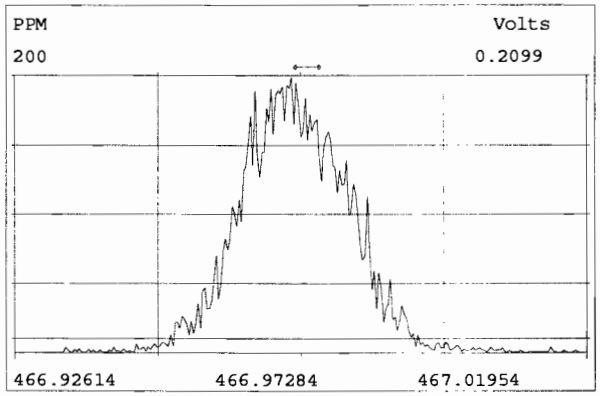
Experiment:PCB_ZB1 Function:5 Reference:PFK

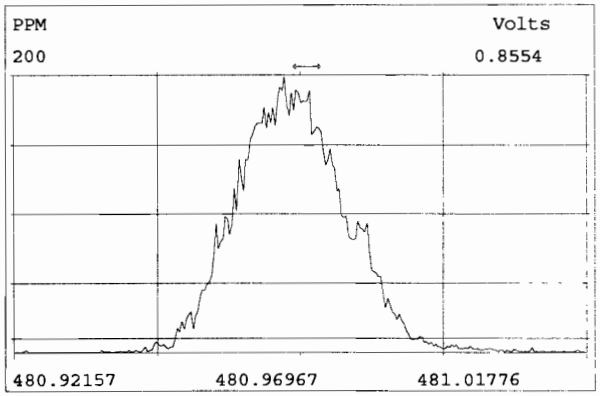


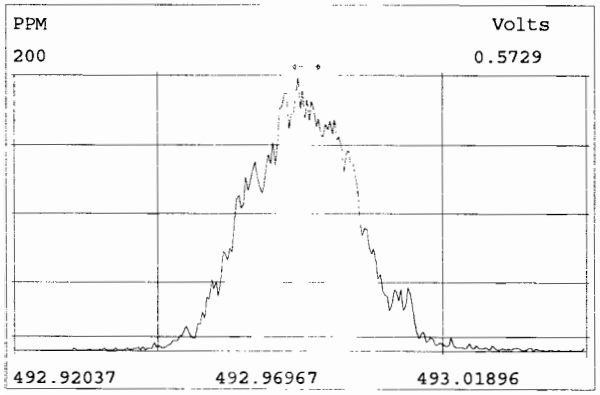



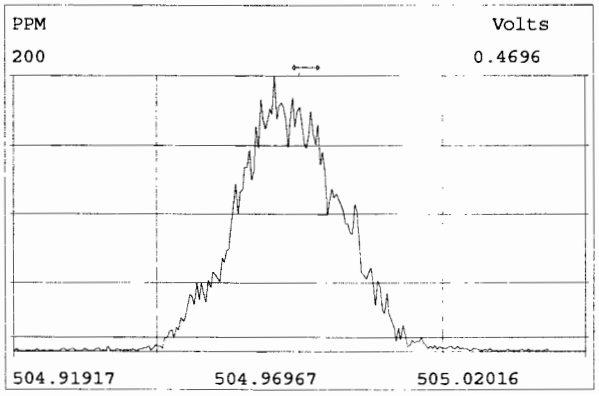



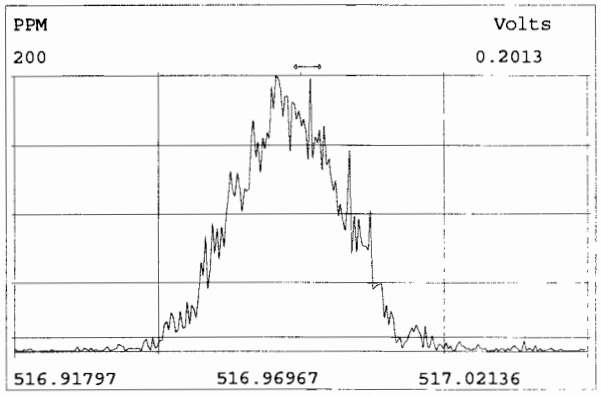



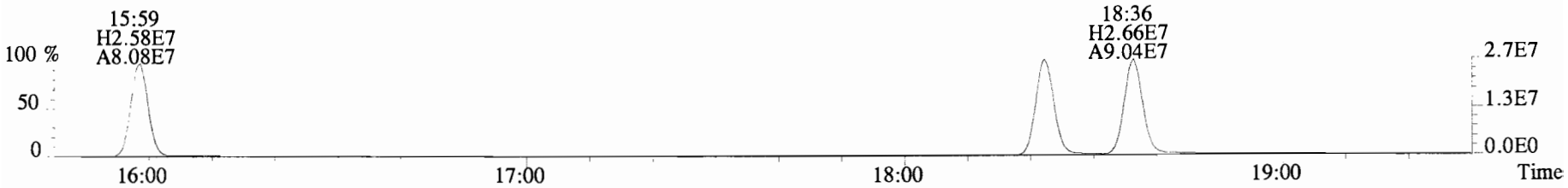



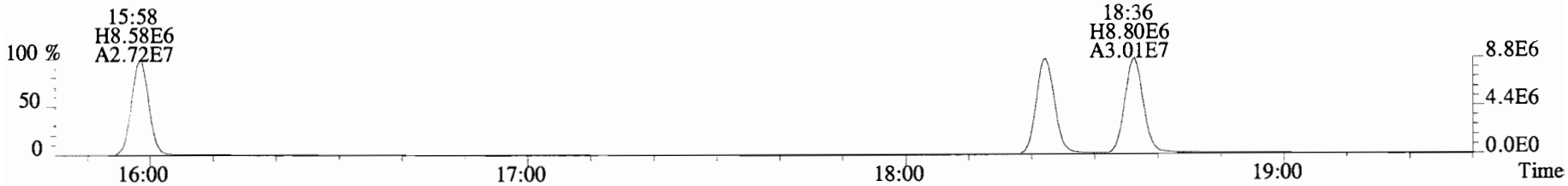



File:180409E1 #1-866 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1

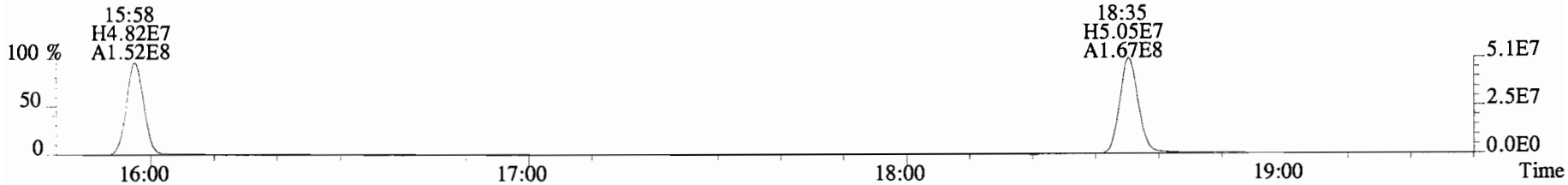
188.0393 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7548.0,0.00%,F,F)



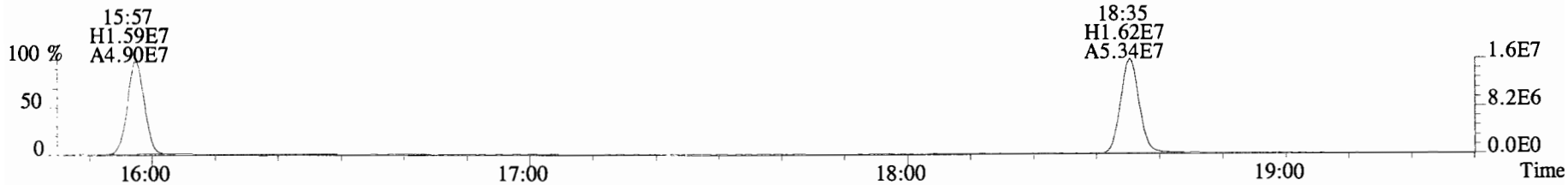

190.0363 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4668.0,0.00%,F,F)



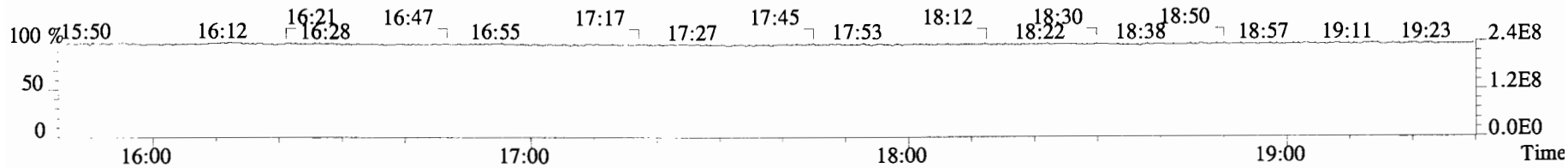

200.0795 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7932.0,0.00%,F,F)



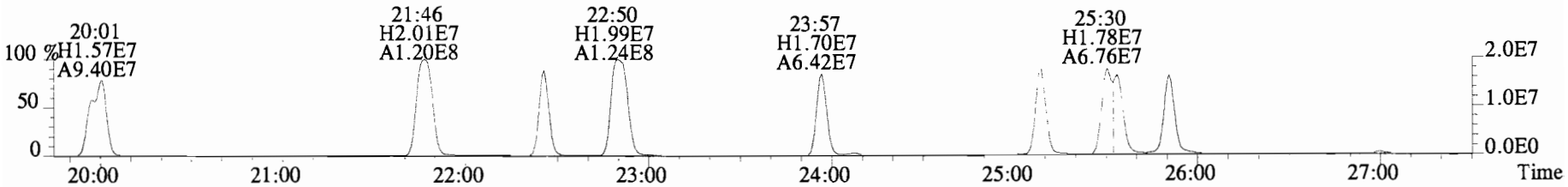

202.0766 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,63688.0,0.00%,F,F)



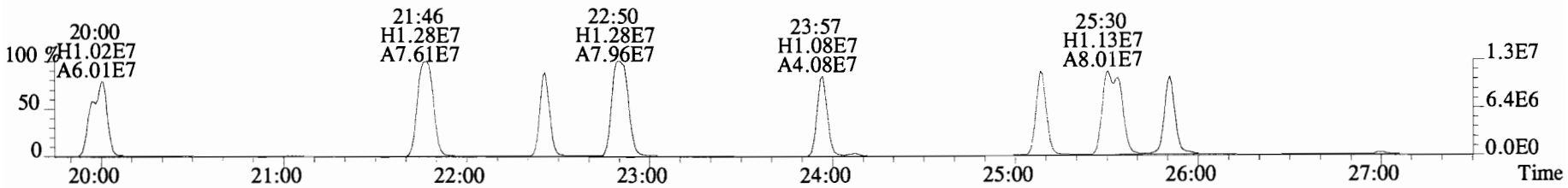

180.9880



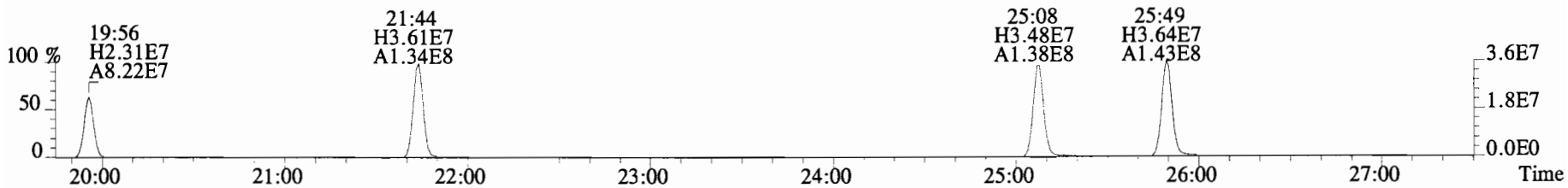
File:180409E1 #1-757 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
222.0003 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12660.0,0.00%,F,F)



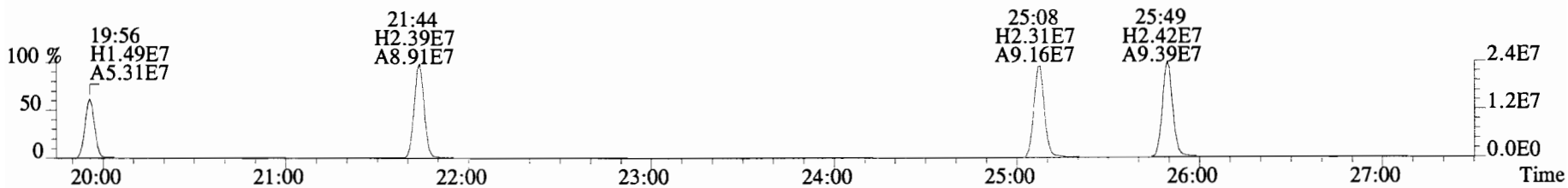

223.9974 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33228.0,0.00%,F,F)



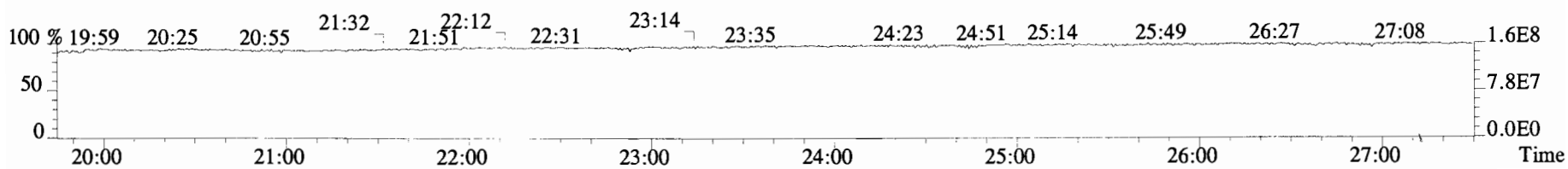

234.0406 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5936.0,0.00%,F,F)



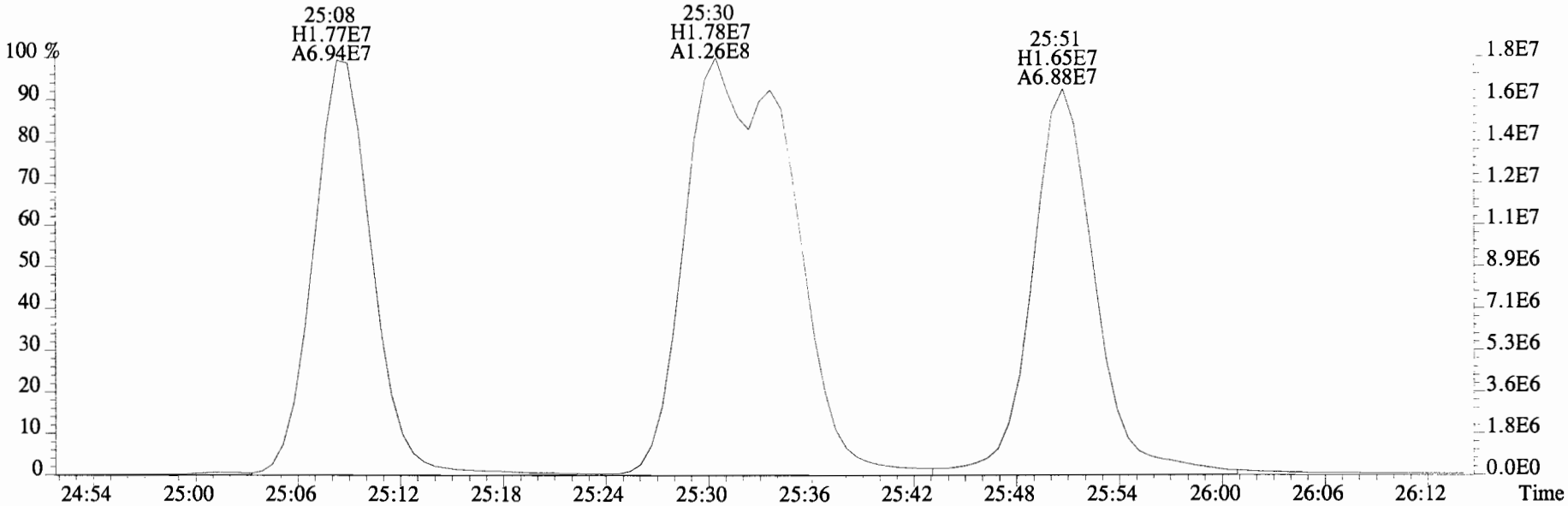

236.0376 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4760.0,0.00%,F,F)



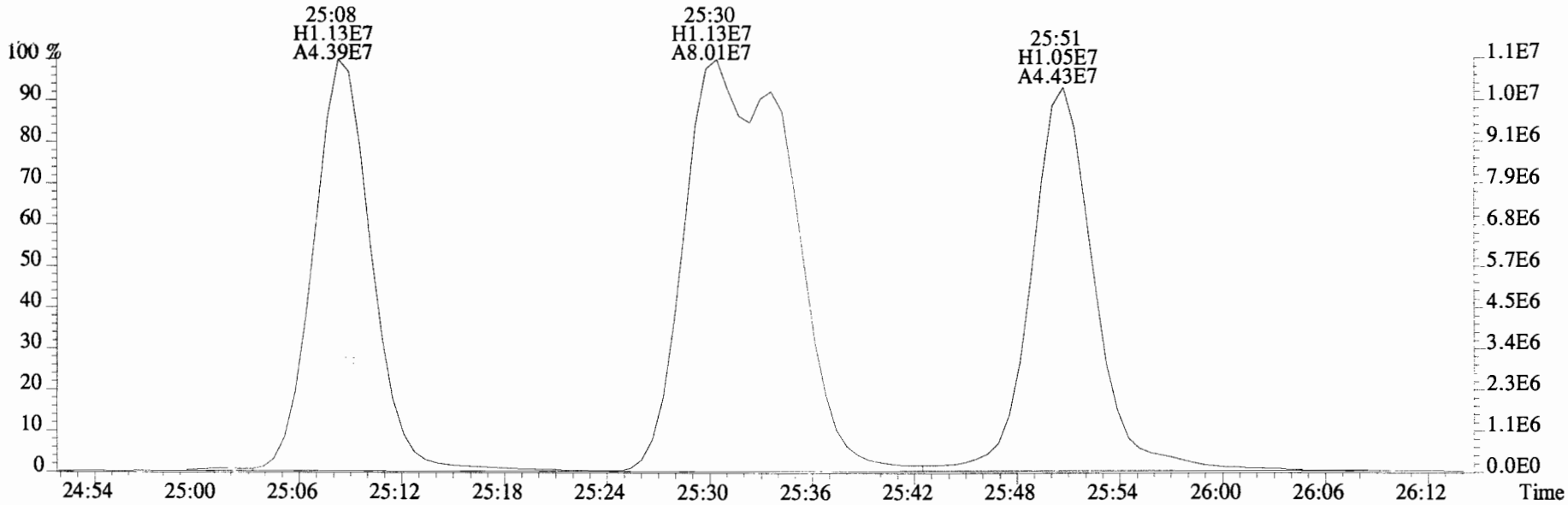

230.9856 F:2



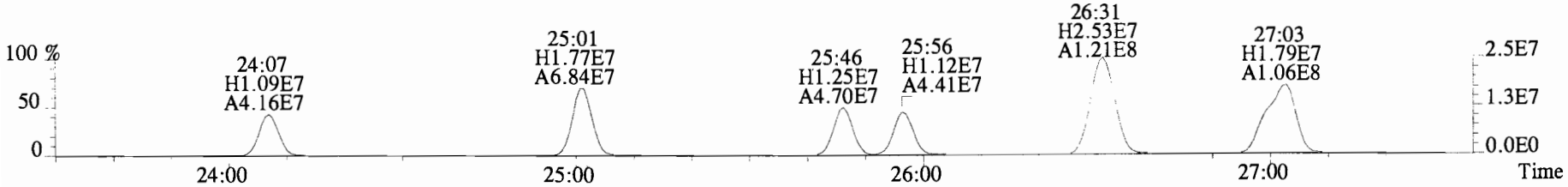
File:180409E1 #1-757 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
222.0003 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12660.0,0.00%,F,F)



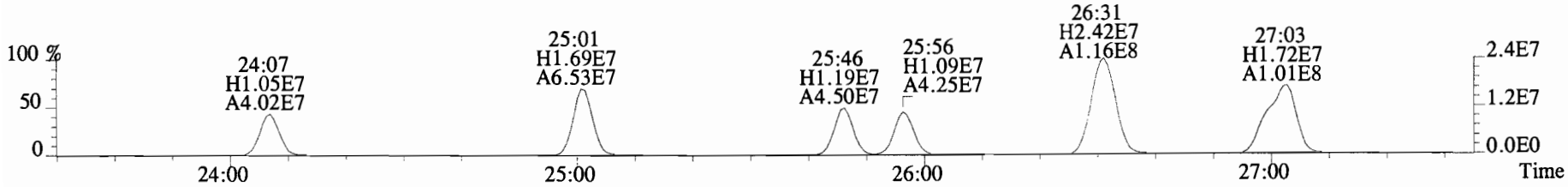

223.9974 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33228.0,0.00%,F,F)



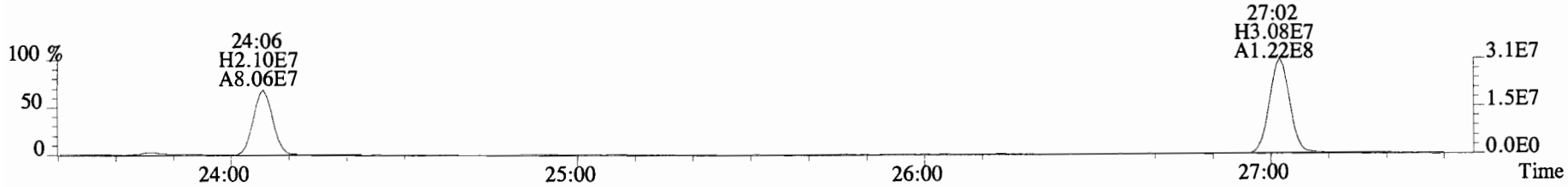
File:180409E1 #1-757 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3316.0,0.00%,F,F)



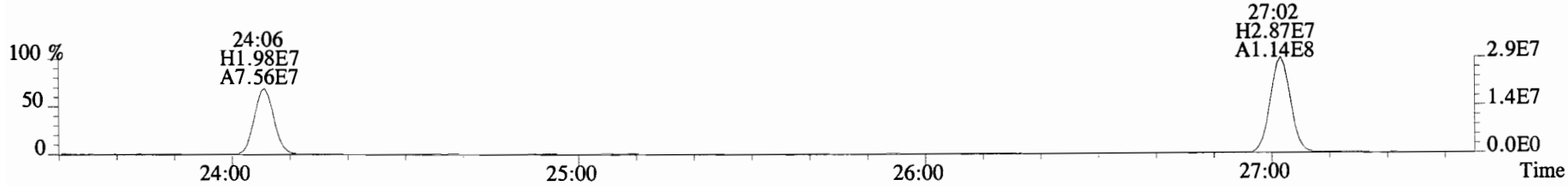

257.9584 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)



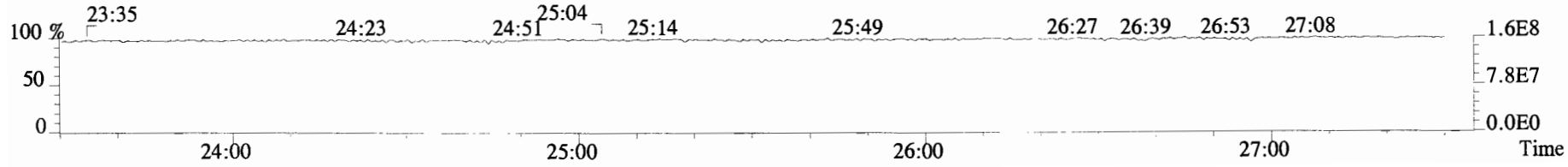

268.0016 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,124212.0,0.00%,F,F)



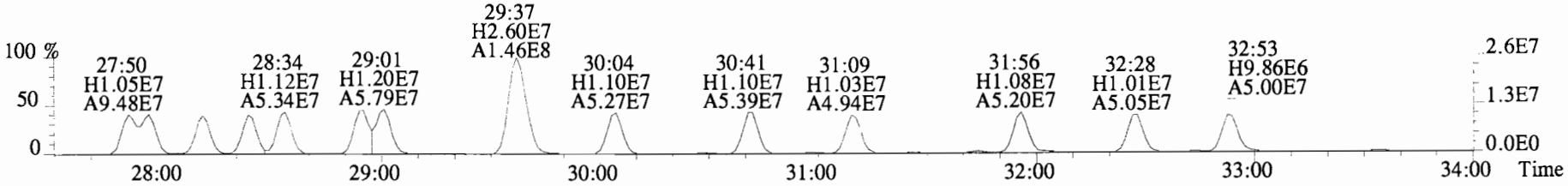

269.9986 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,85476.0,0.00%,F,F)



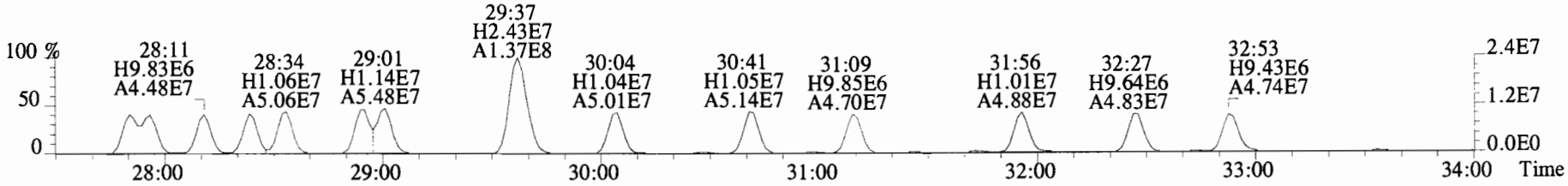

230.9856 F:2



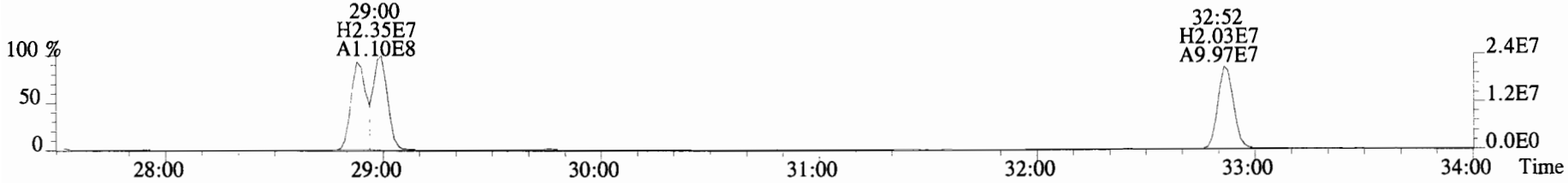
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33828.0,0.00%,F,F)



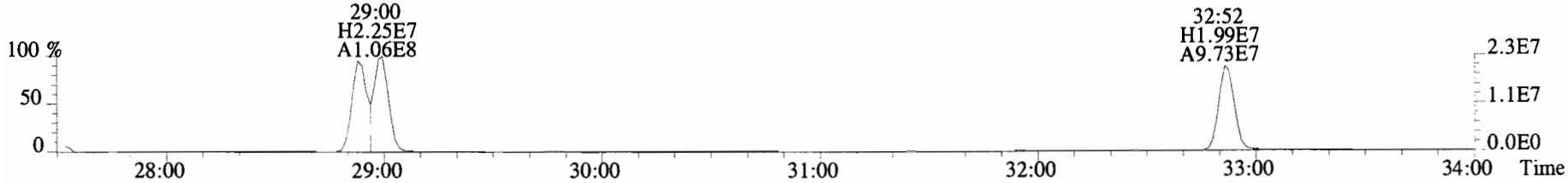

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26428.0,0.00%,F,F)



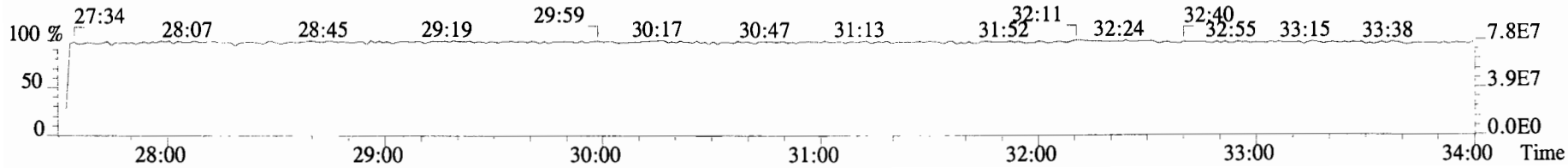

268.0016 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,84900.0,0.00%,F,F)



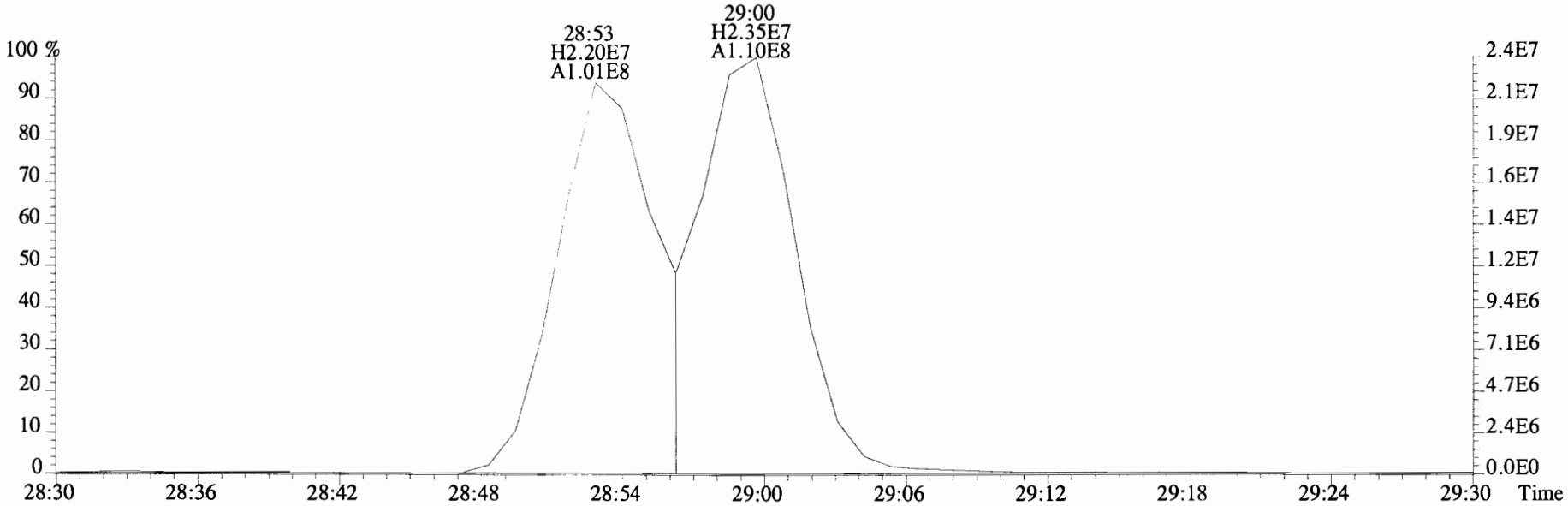

269.9986 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,57180.0,0.00%,F,F)



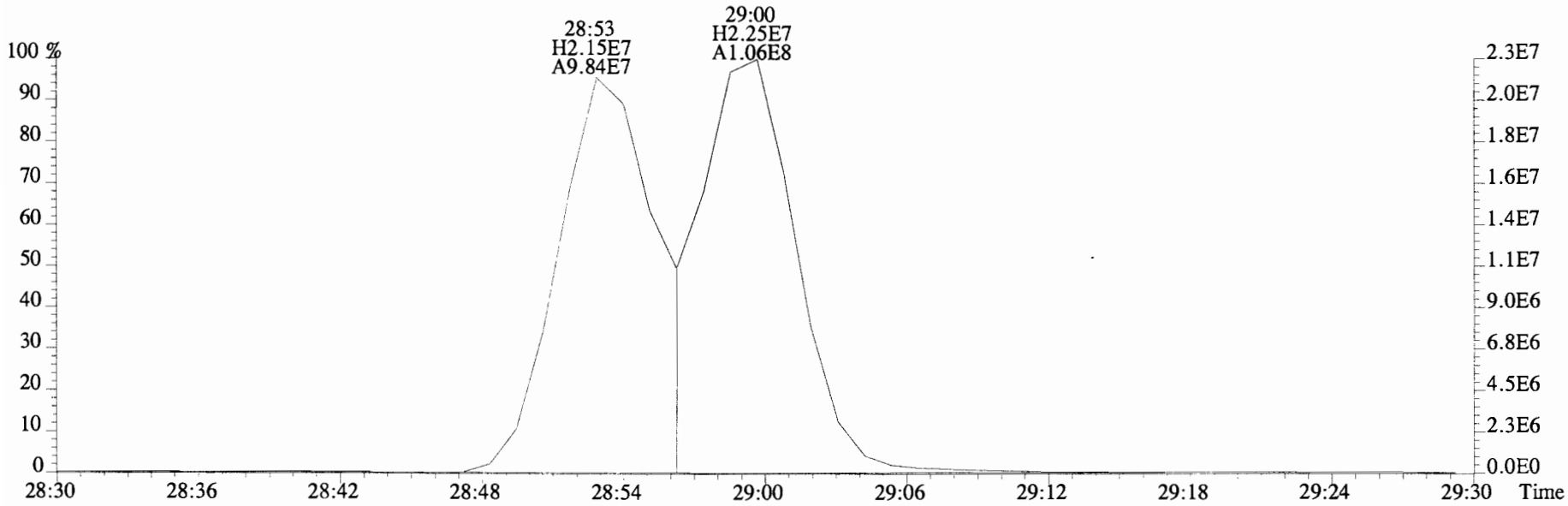

330.9792 F:3



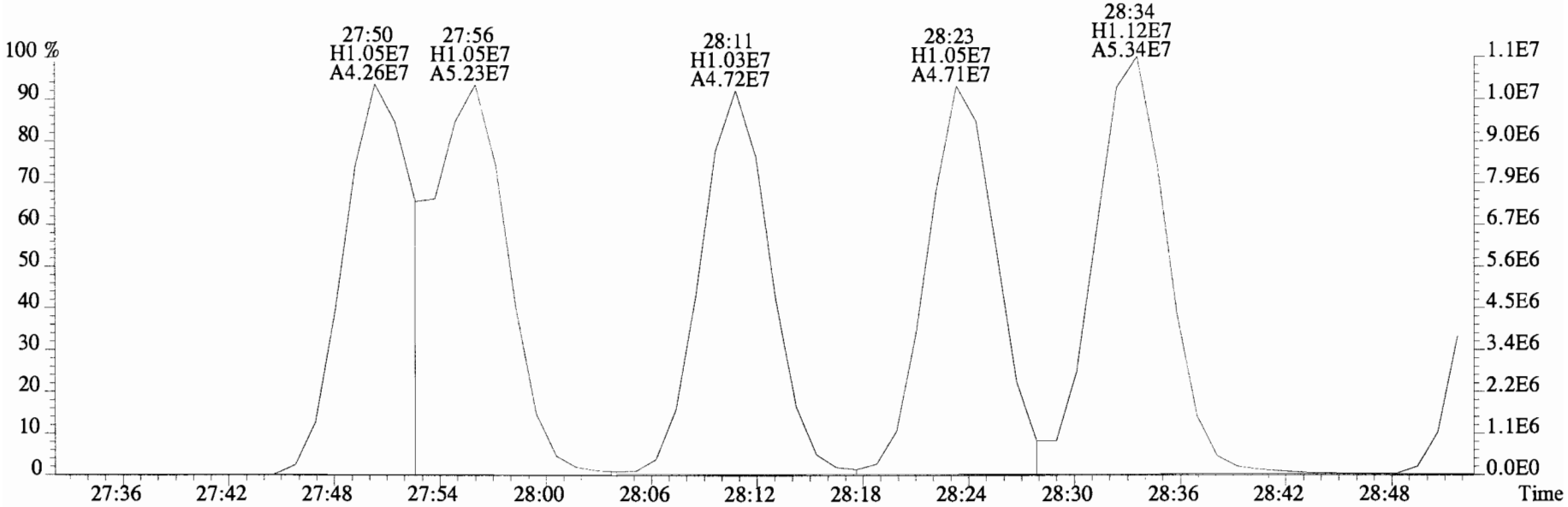
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
268.0016 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,84900.0,0.00%,F,F)



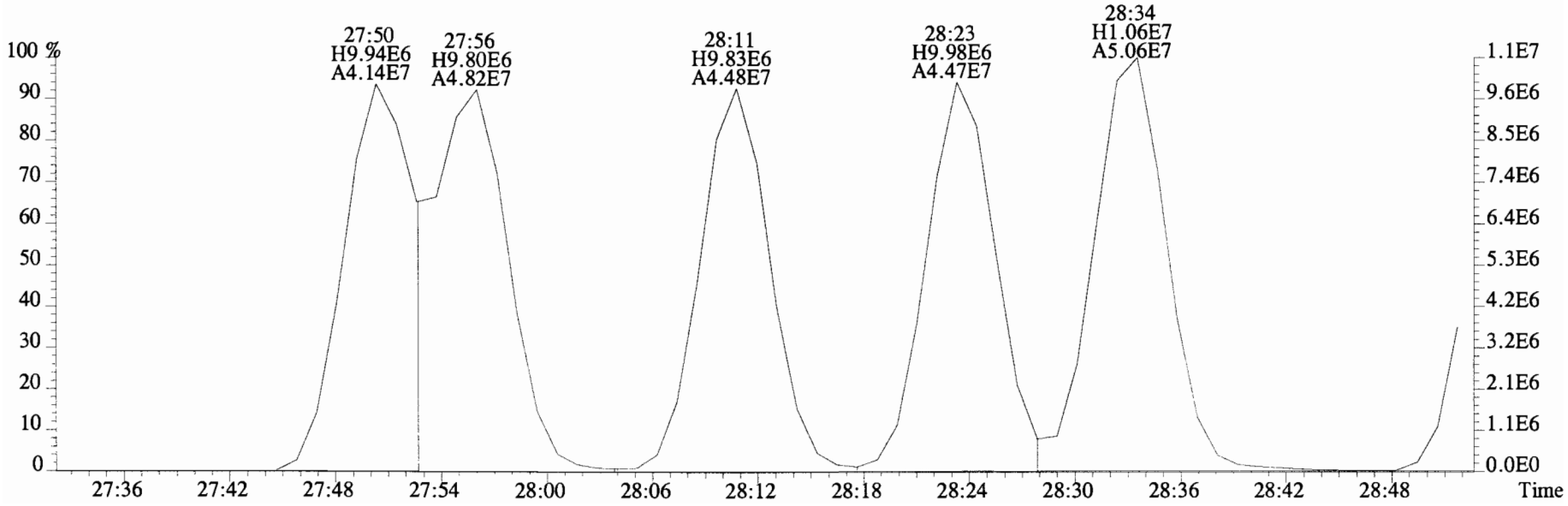

269.9986 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,57180.0,0.00%,F,F)



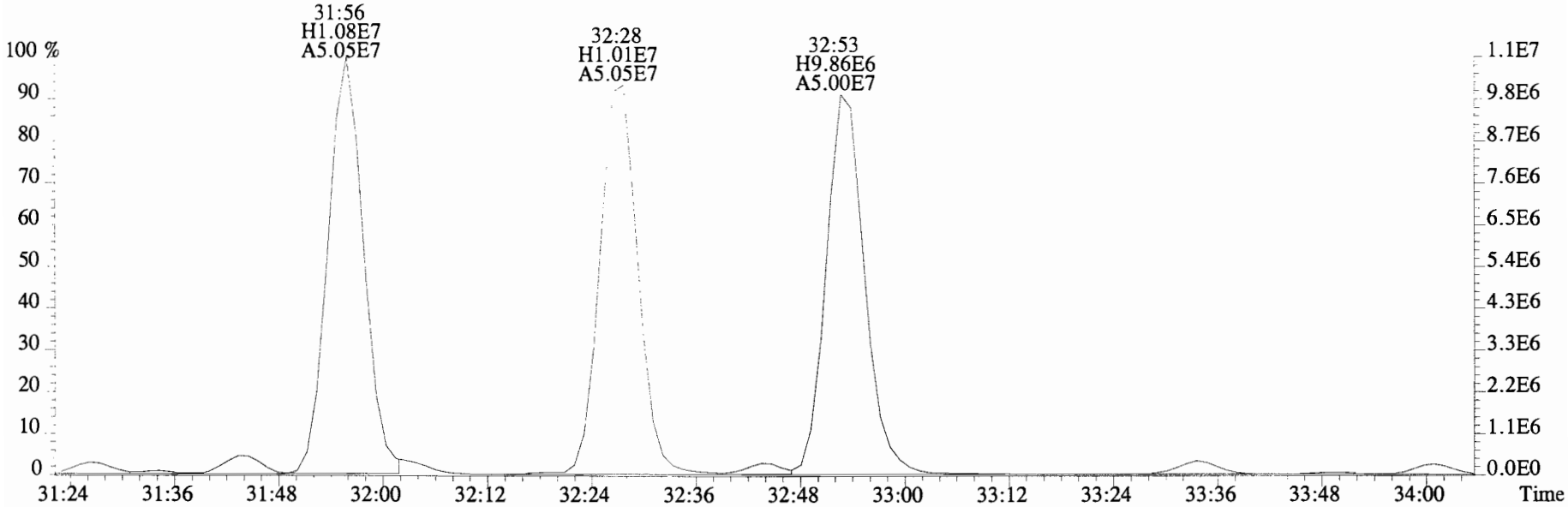
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33828.0,0.00%,F,F)



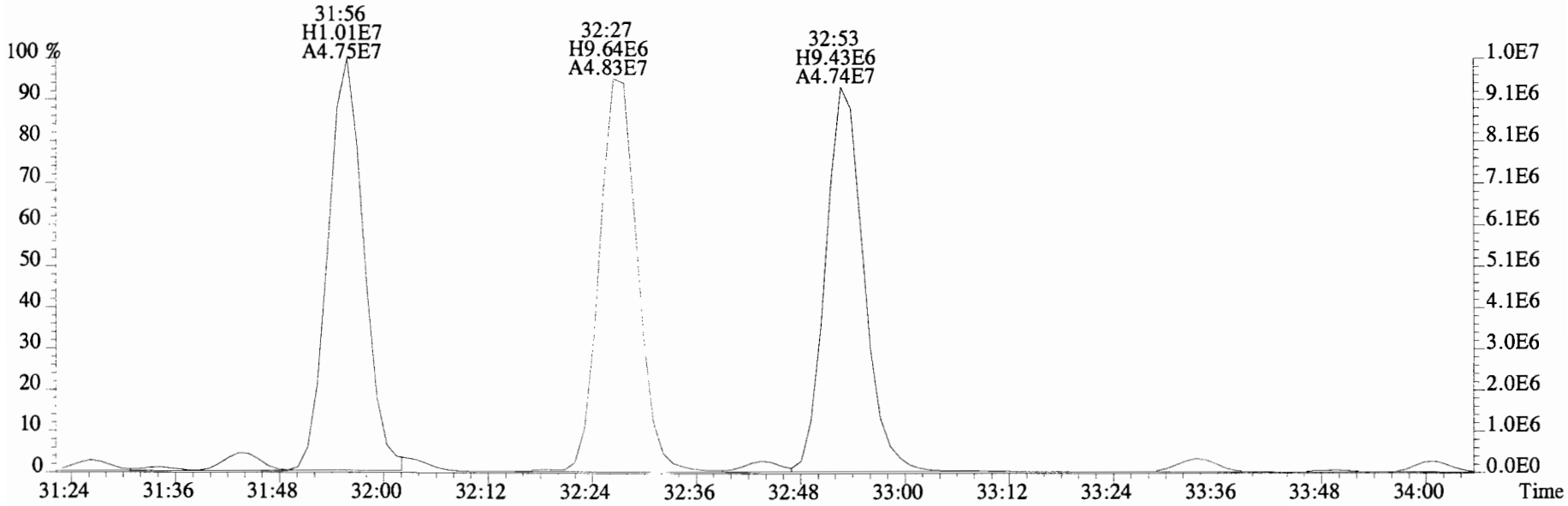

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26428.0,0.00%,F,F)



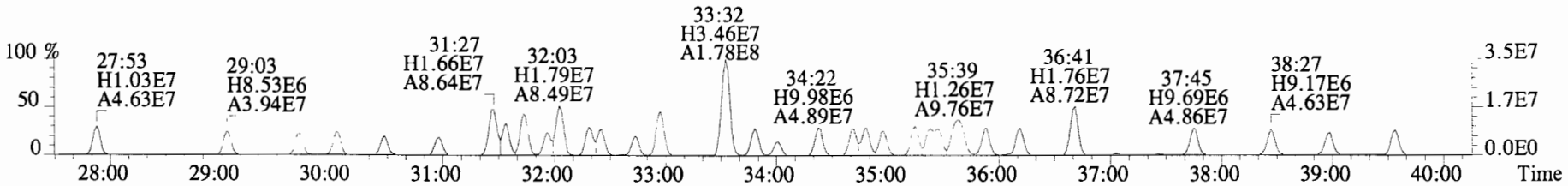
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33828.0,0.00%,F,F)



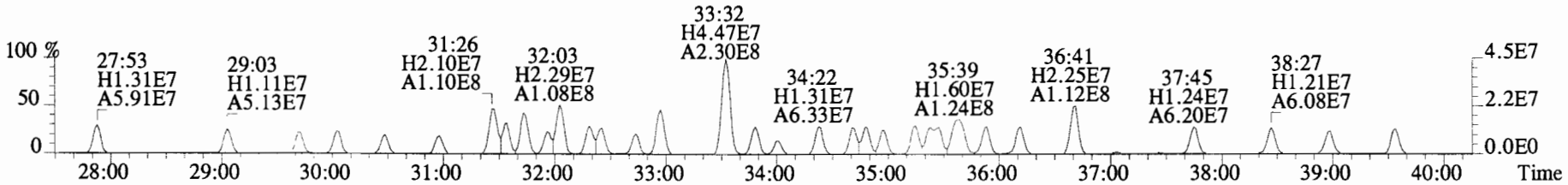

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26428.0,0.00%,F,F)



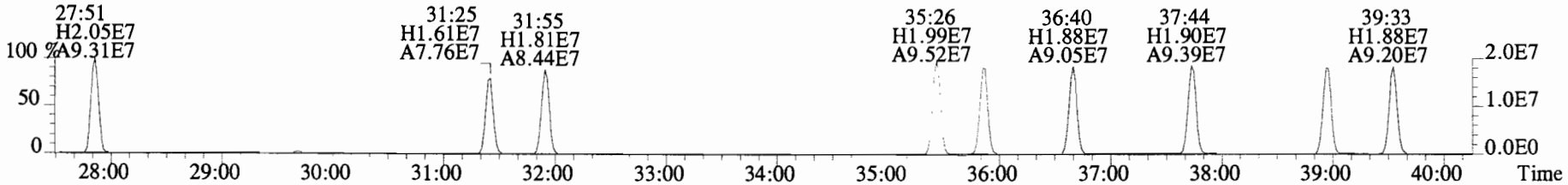
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29736.0,0.00%,F,F)



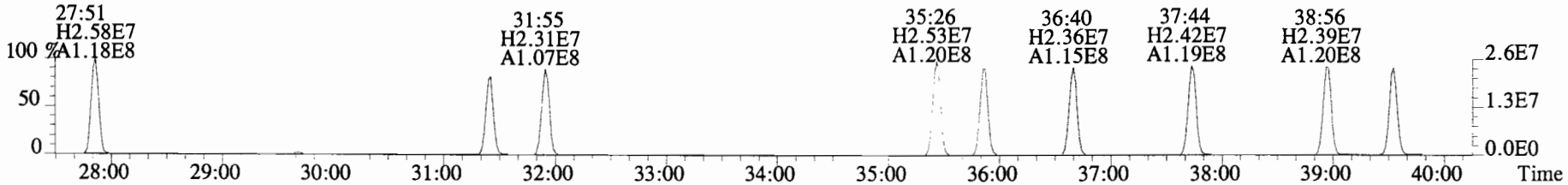

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,38972.0,0.00%,F,F)



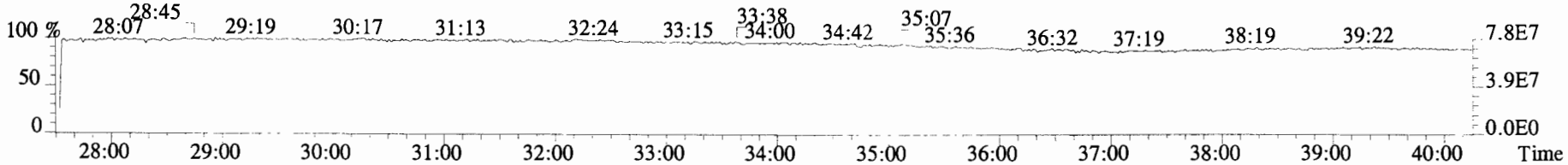

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33944.0,0.00%,F,F)




303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24356.0,0.00%,F,F)

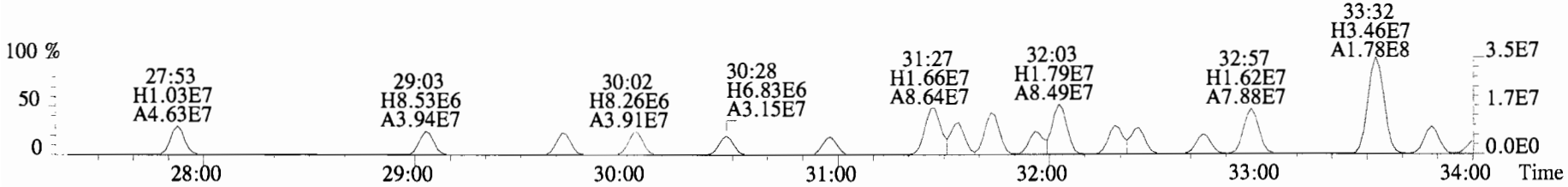



330.9792 F:3

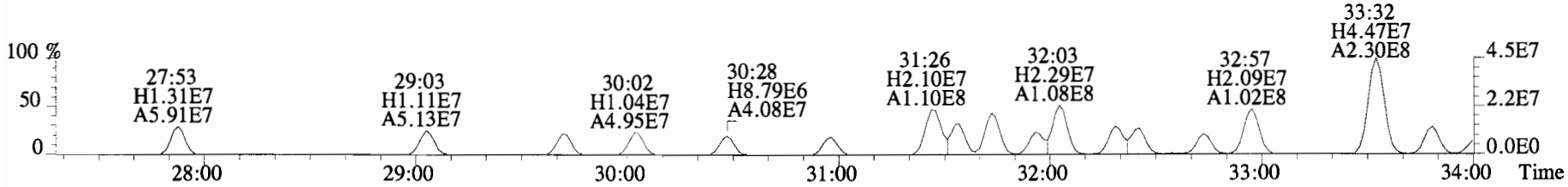


File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1

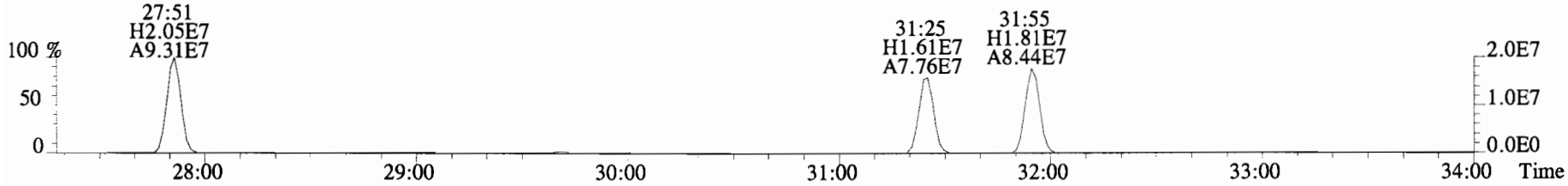
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29736.0,0.00%,F,F)



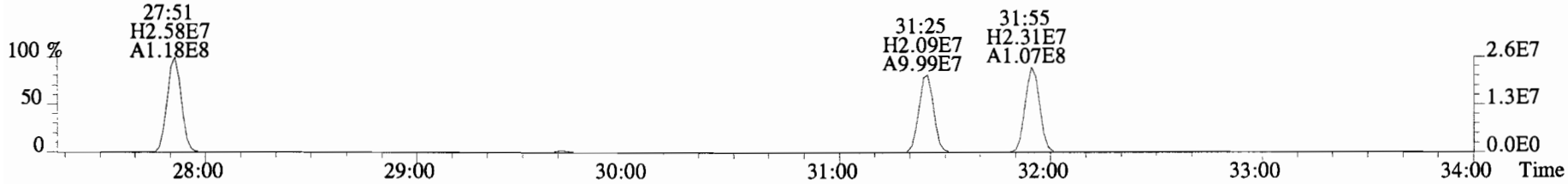

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,38972.0,0.00%,F,F)



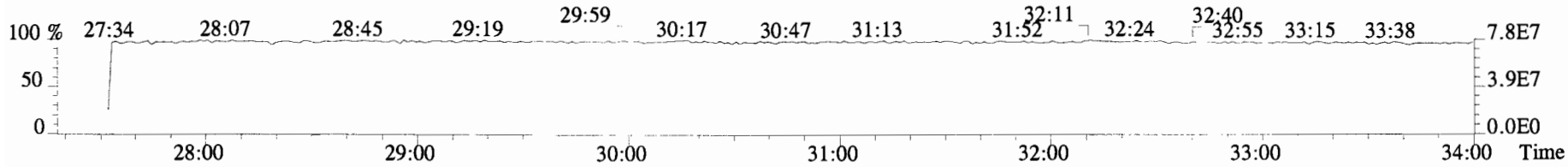

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33944.0,0.00%,F,F)



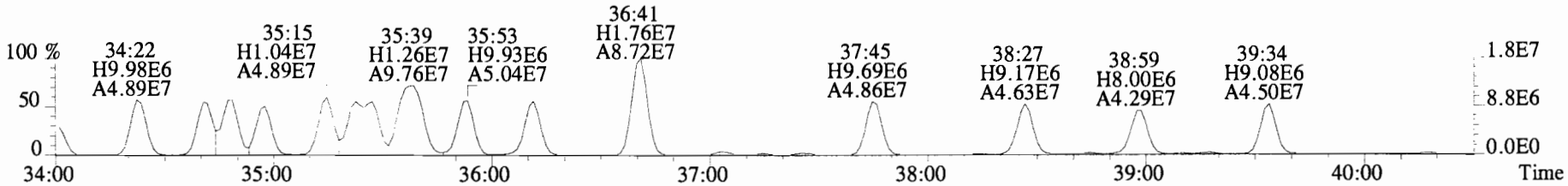

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24356.0,0.00%,F,F)



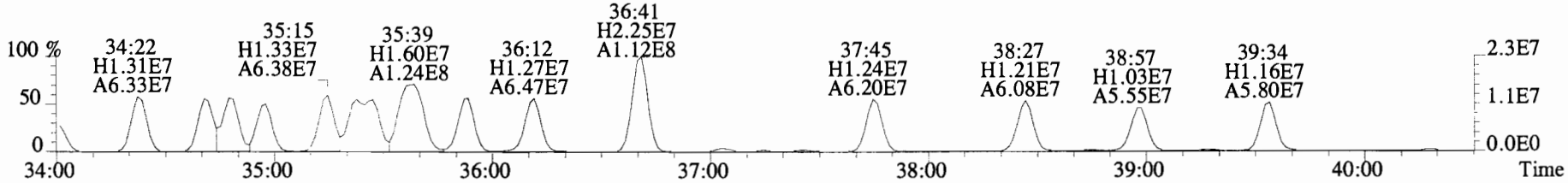

330.9792 F:3



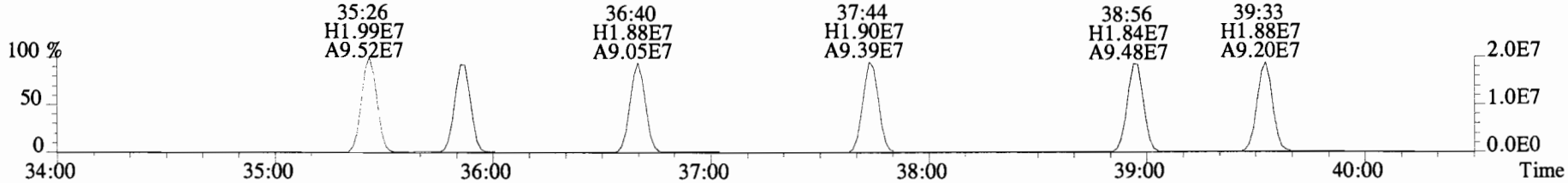
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29736.0,0.00%,F,F)



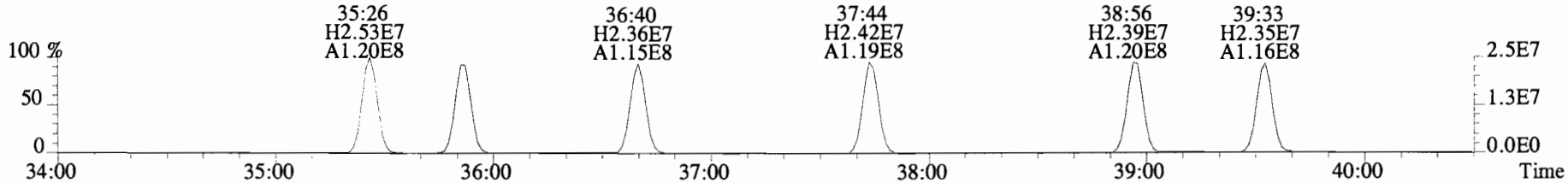

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,38972.0,0.00%,F,F)



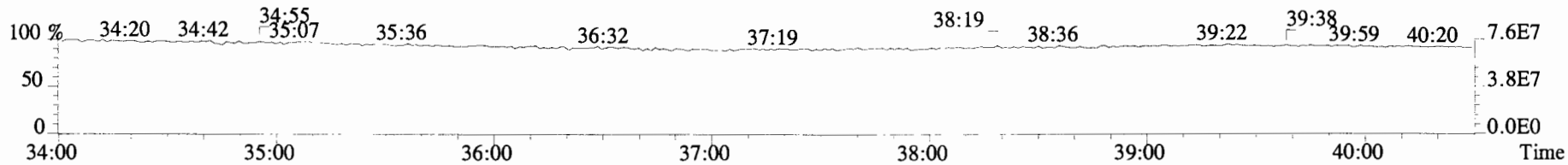

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33944.0,0.00%,F,F)



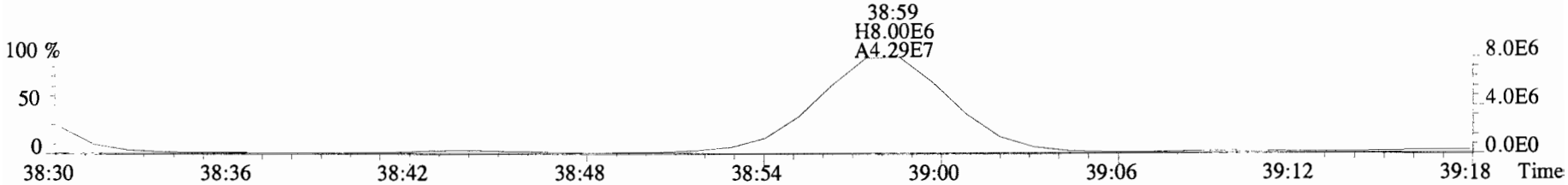

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24356.0,0.00%,F,F)



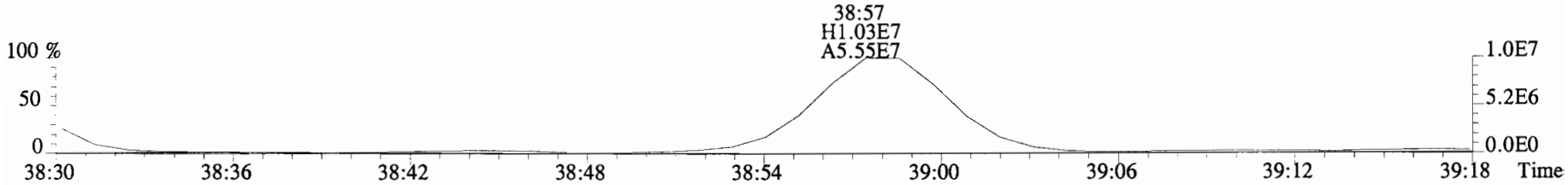

330.9792 F:3



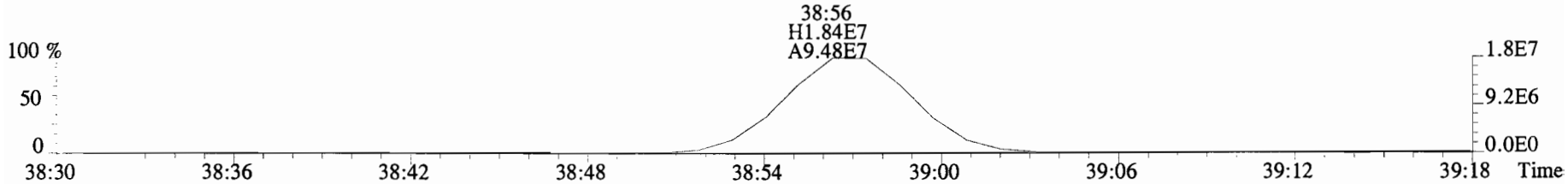
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29736.0,0.00%,F,F)



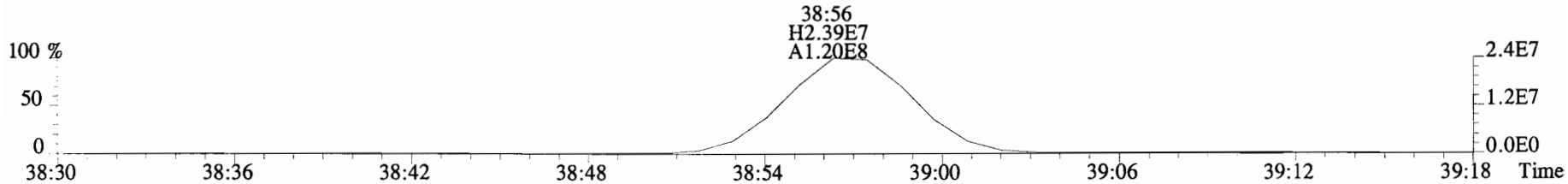

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,38972.0,0.00%,F,F)



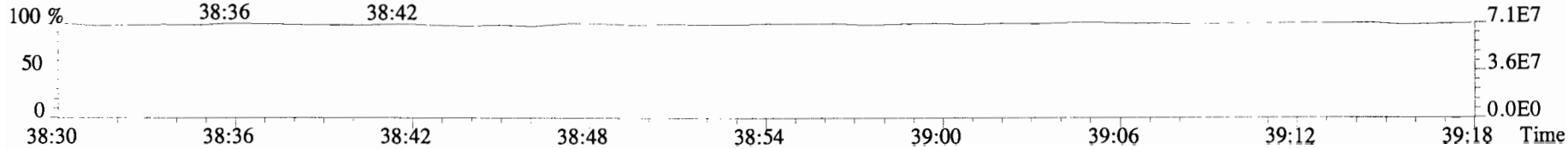

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33944.0,0.00%,F,F)



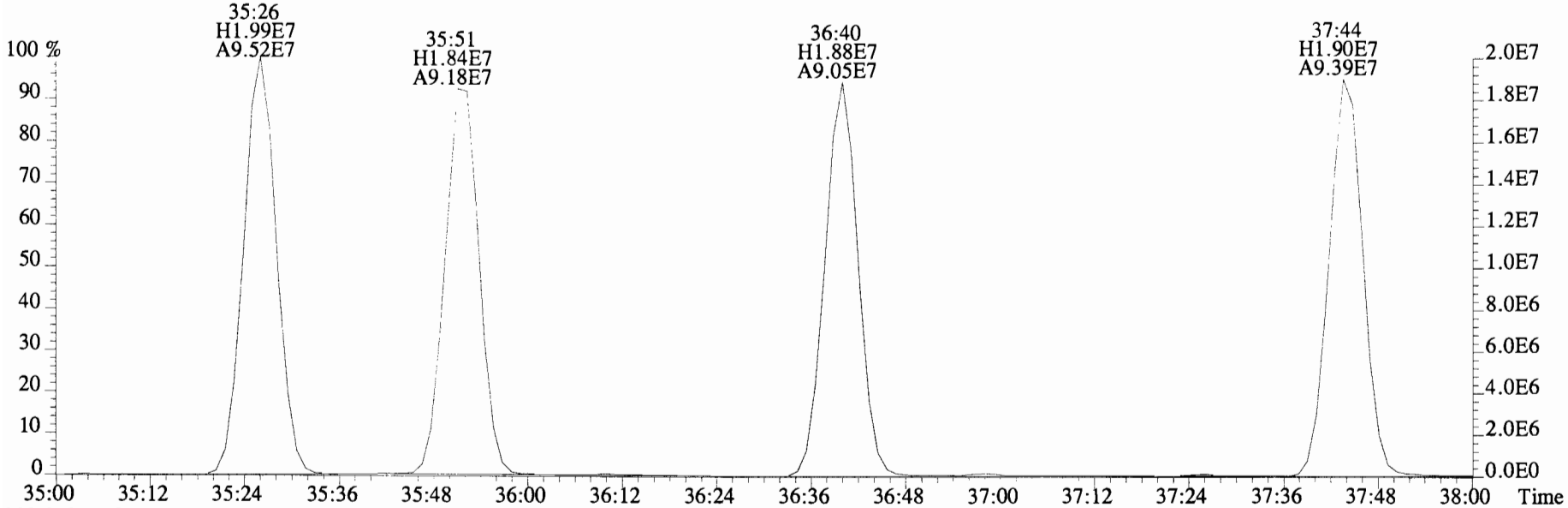

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24356.0,0.00%,F,F)



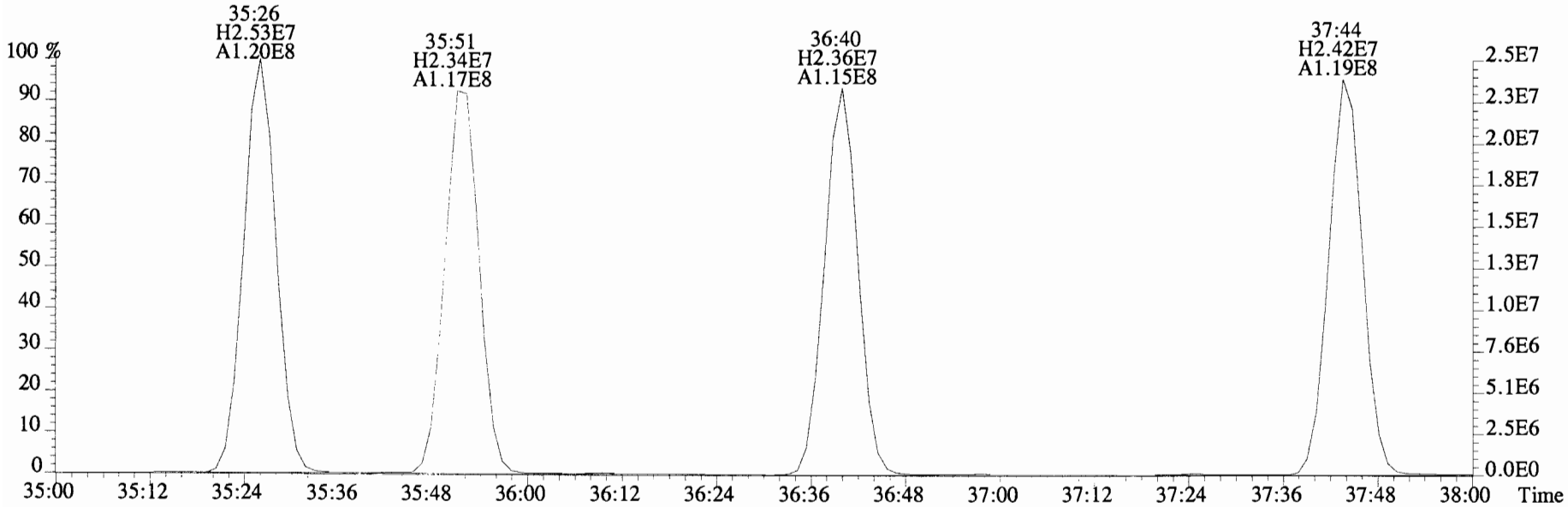

330.9792 F:3



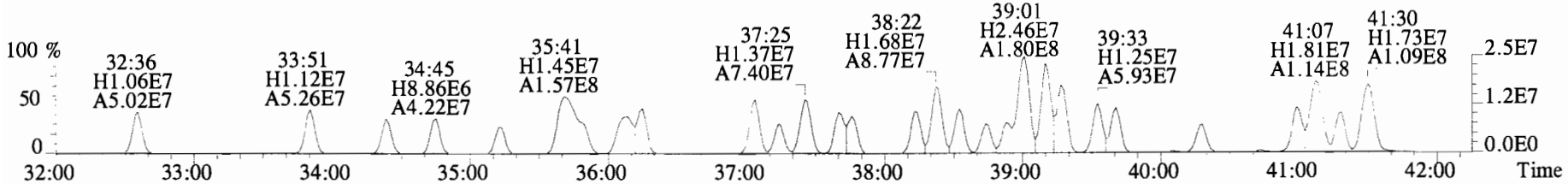
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33944.0,0.00%,F,F)



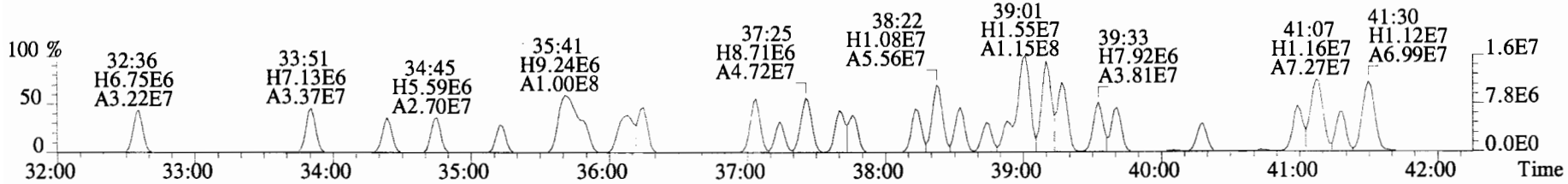

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24356.0,0.00%,F,F)



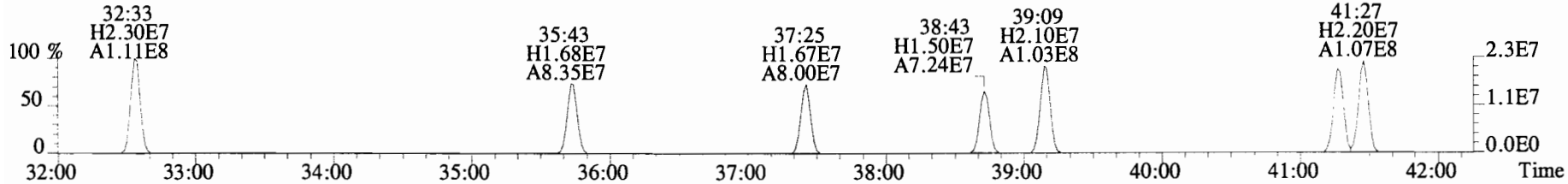
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1436.0,0.00%,F,F)



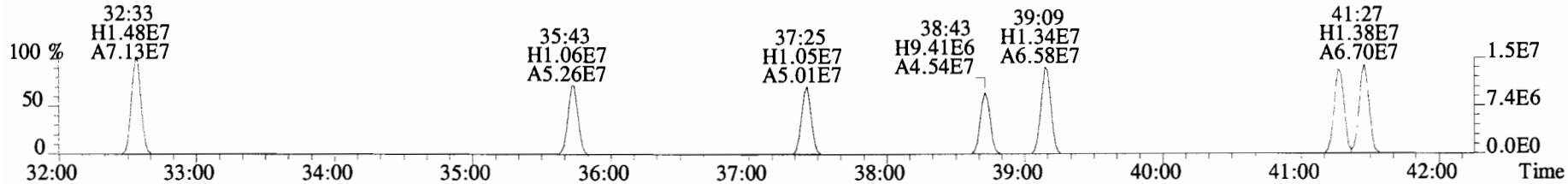

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1832.0,0.00%,F,F)



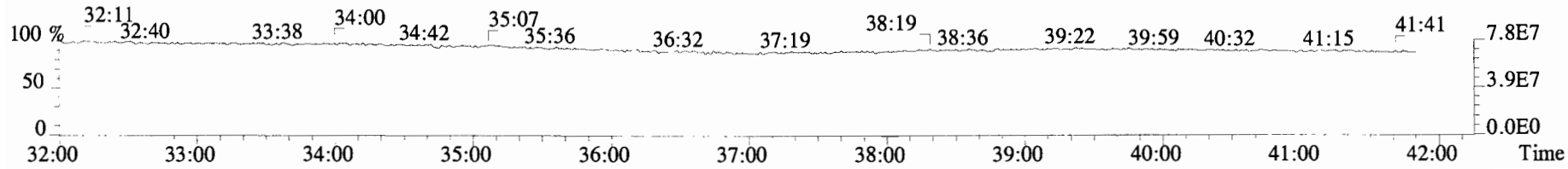

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5052.0,0.00%,F,F)




339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3404.0,0.00%,F,F)

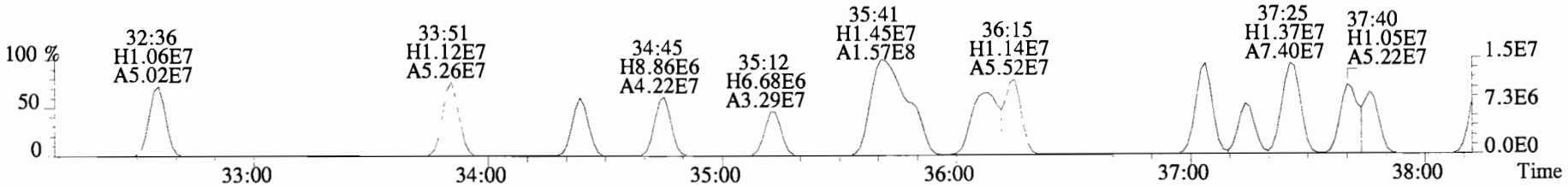



330.9792 F:3

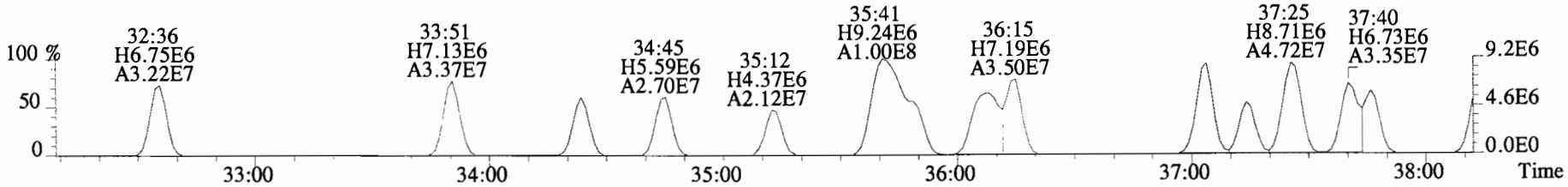


File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1

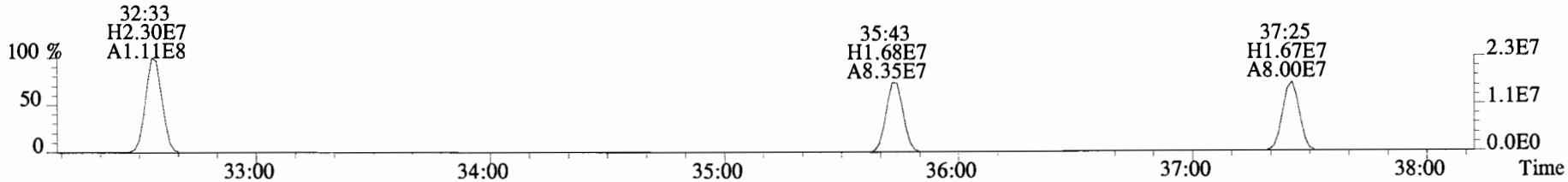
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1436.0,0.00%,F,F)



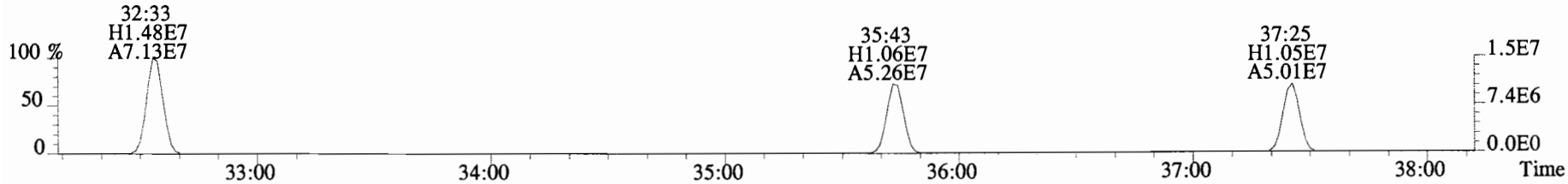

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1832.0,0.00%,F,F)



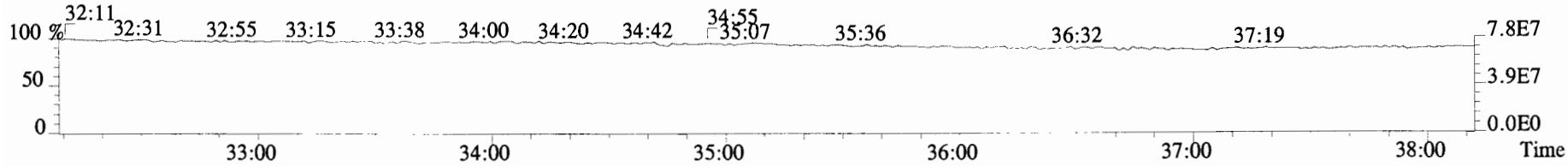

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5052.0,0.00%,F,F)



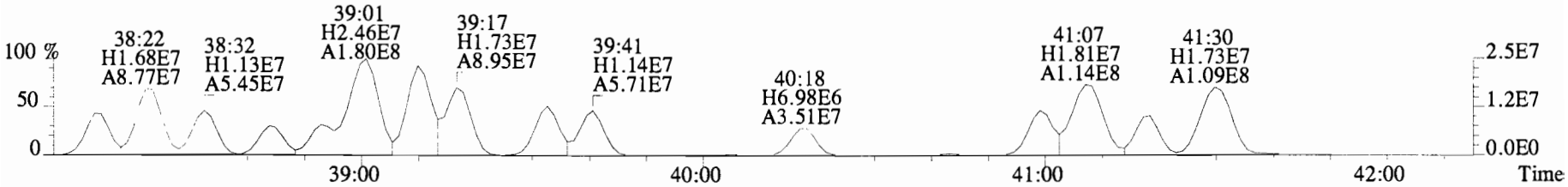

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3404.0,0.00%,F,F)



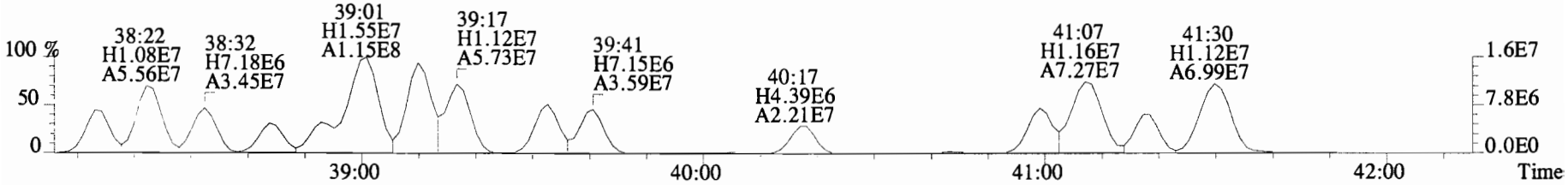

330.9792 F:3



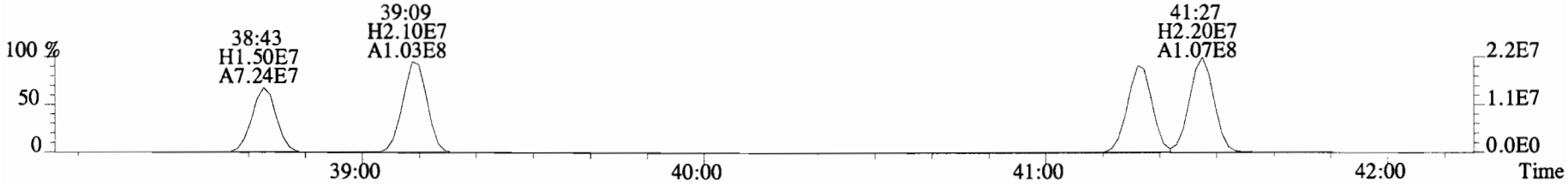
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1436.0,0.00%,F,F)



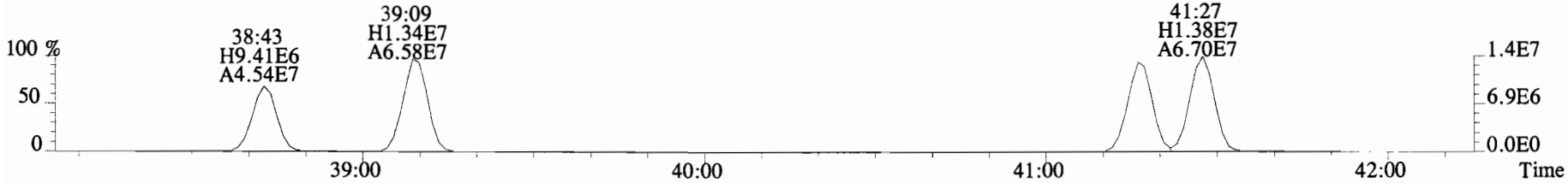

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1832.0,0.00%,F,F)



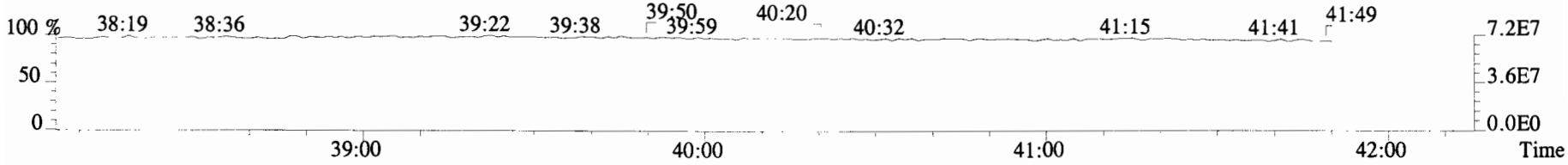

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5052.0,0.00%,F,F)



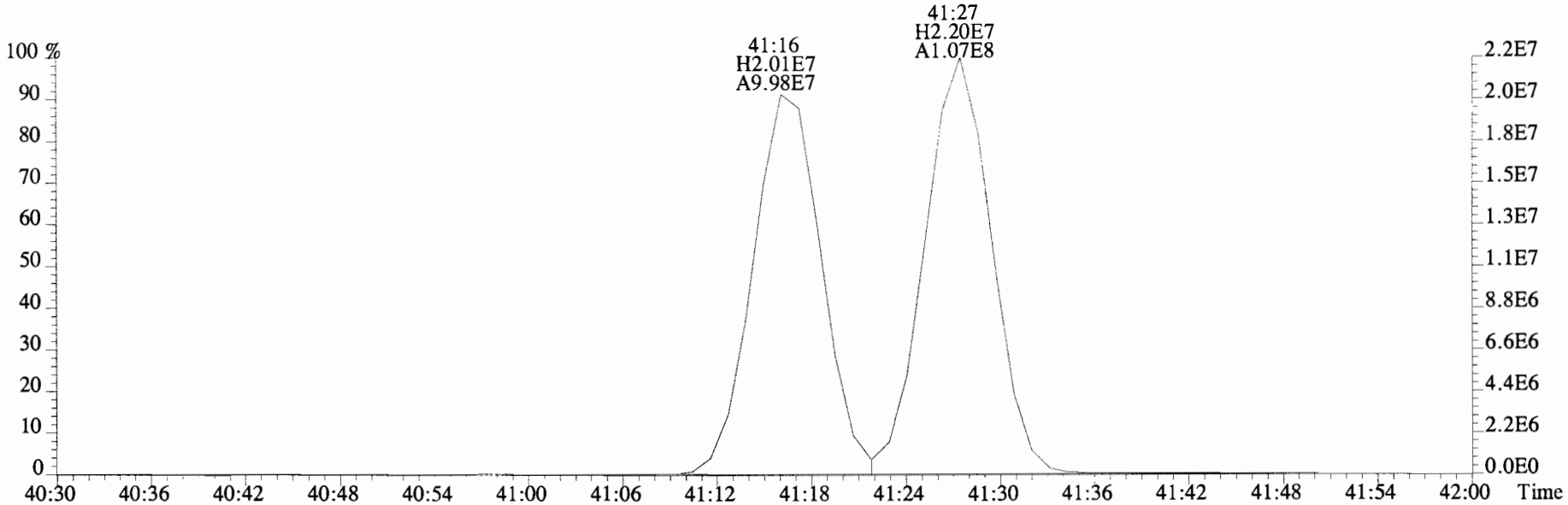

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3404.0,0.00%,F,F)



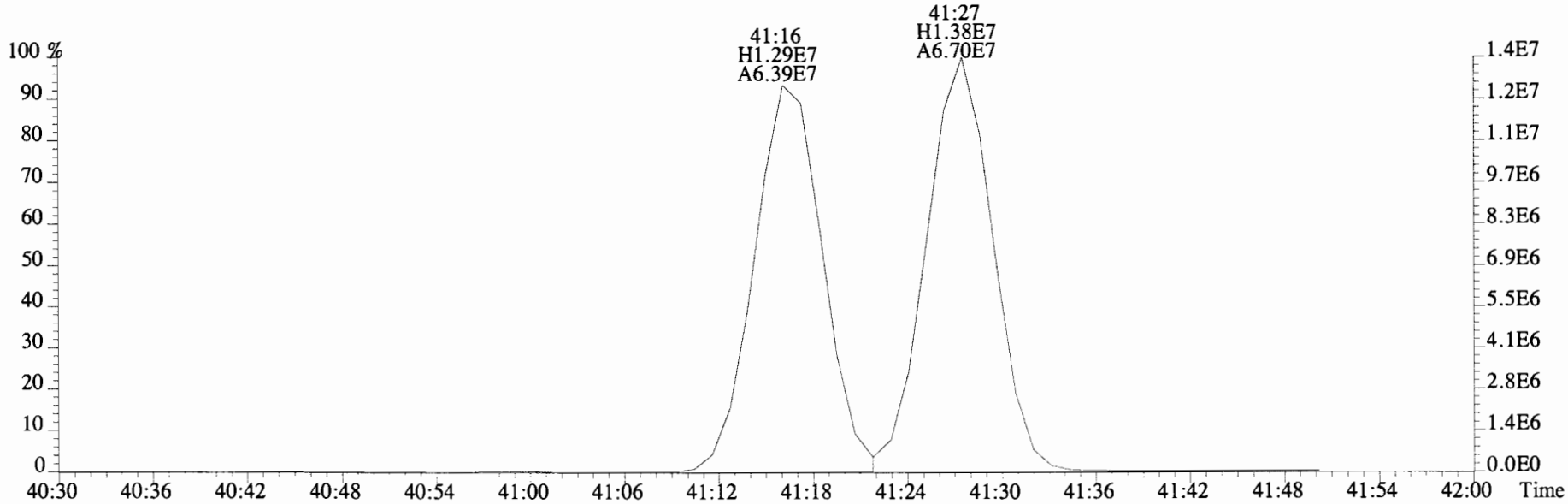

330.9792 F:3



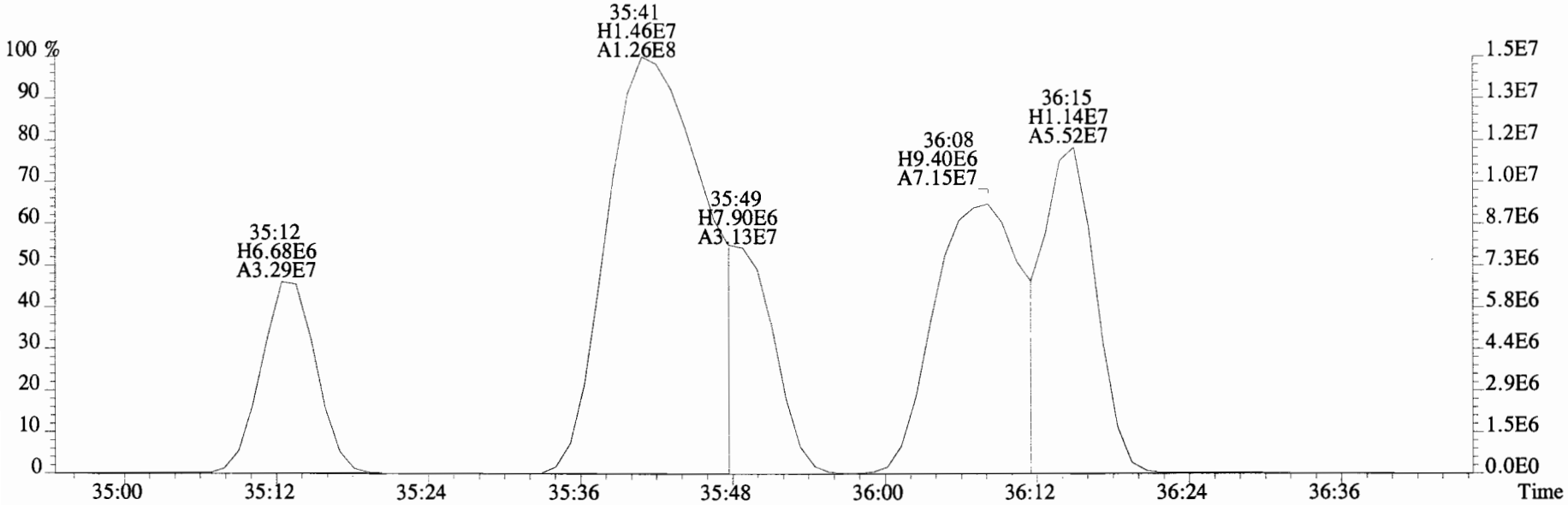
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5052.0,0.00%,F,F)



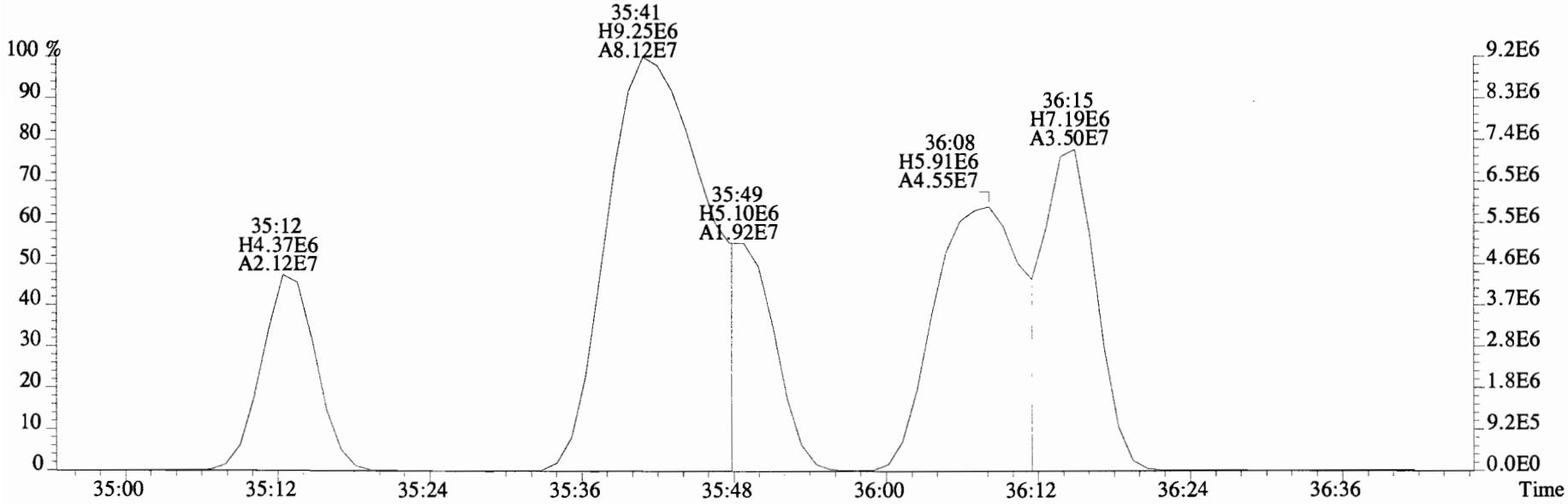

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3404.0,0.00%,F,F)



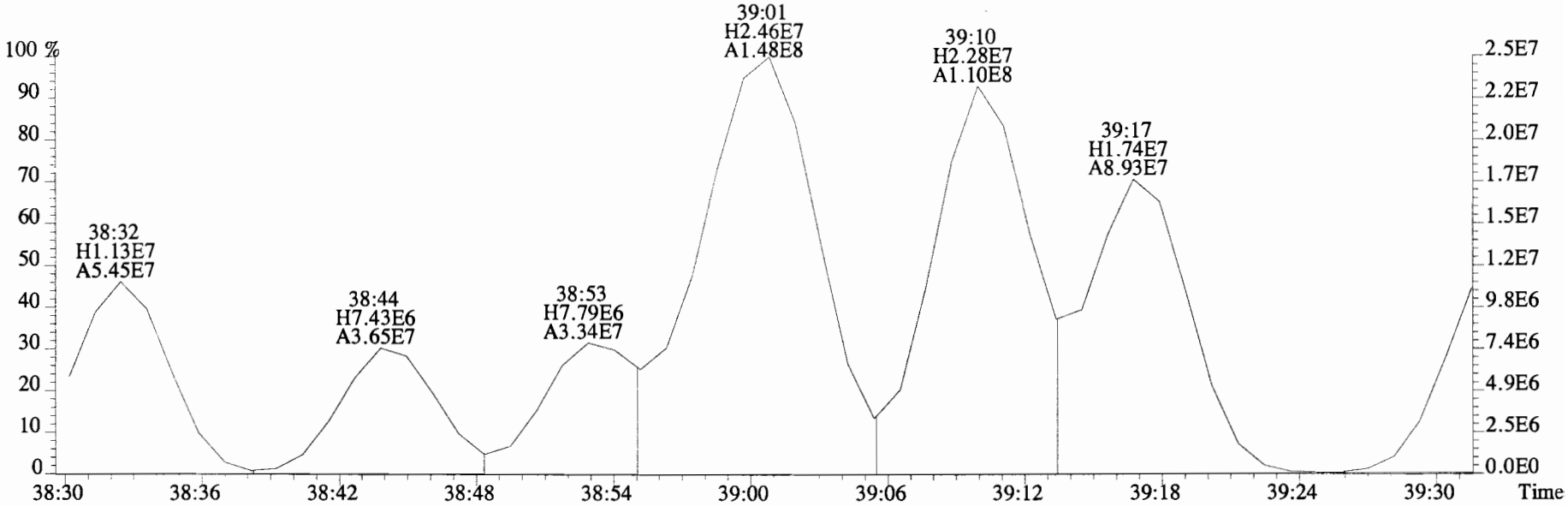
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1436.0,0.00%,F,F)



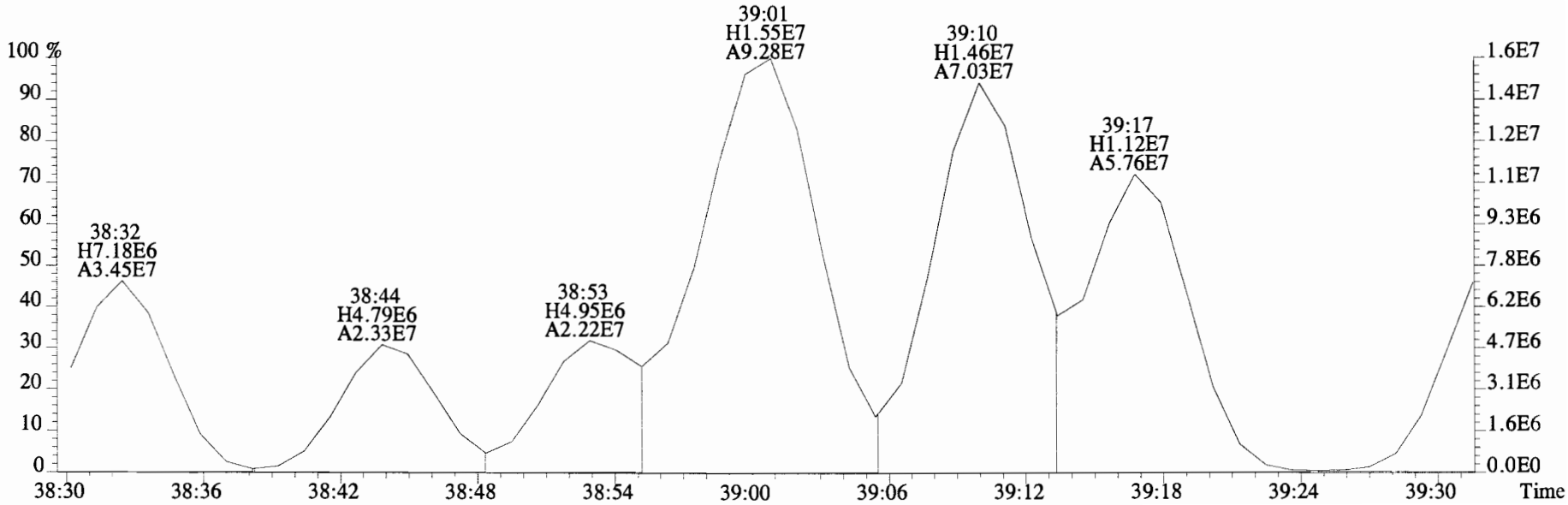

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1832.0,0.00%,F,F)



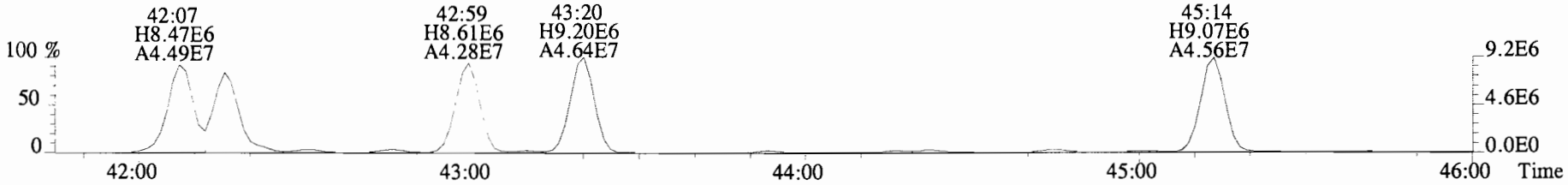
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1436.0,0.00%,F,F)



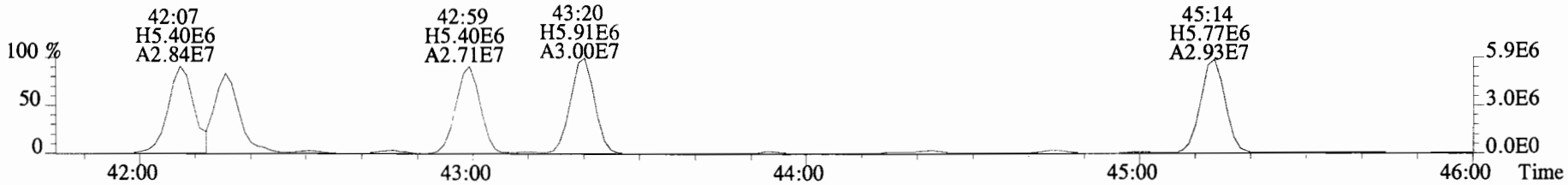

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1832.0,0.00%,F,F)



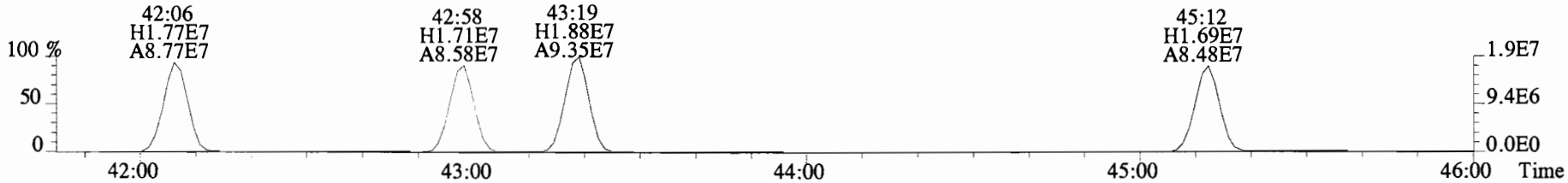
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4468.0,0.00%,F,F)



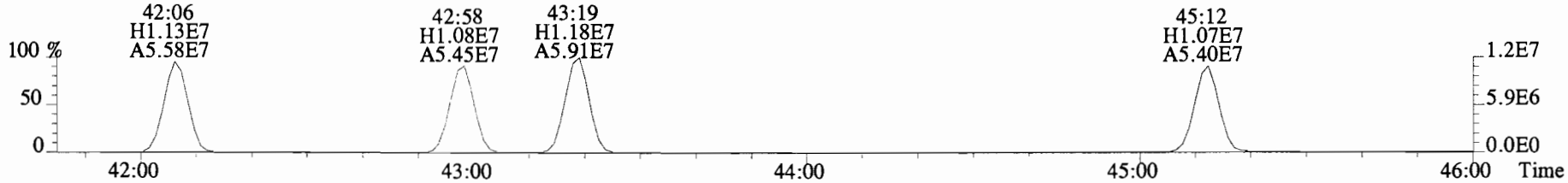

327.8775 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4208.0,0.00%,F,F)



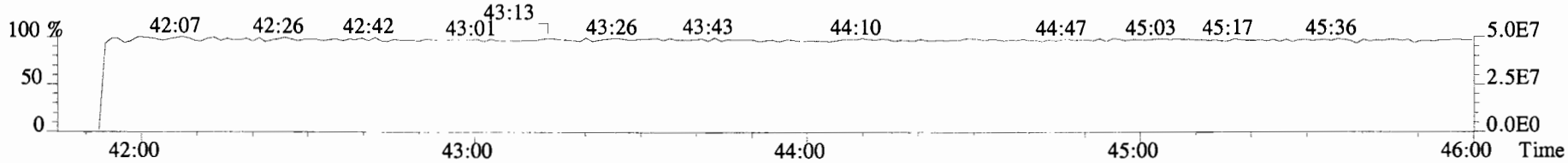

337.9207 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6684.0,0.00%,F,F)



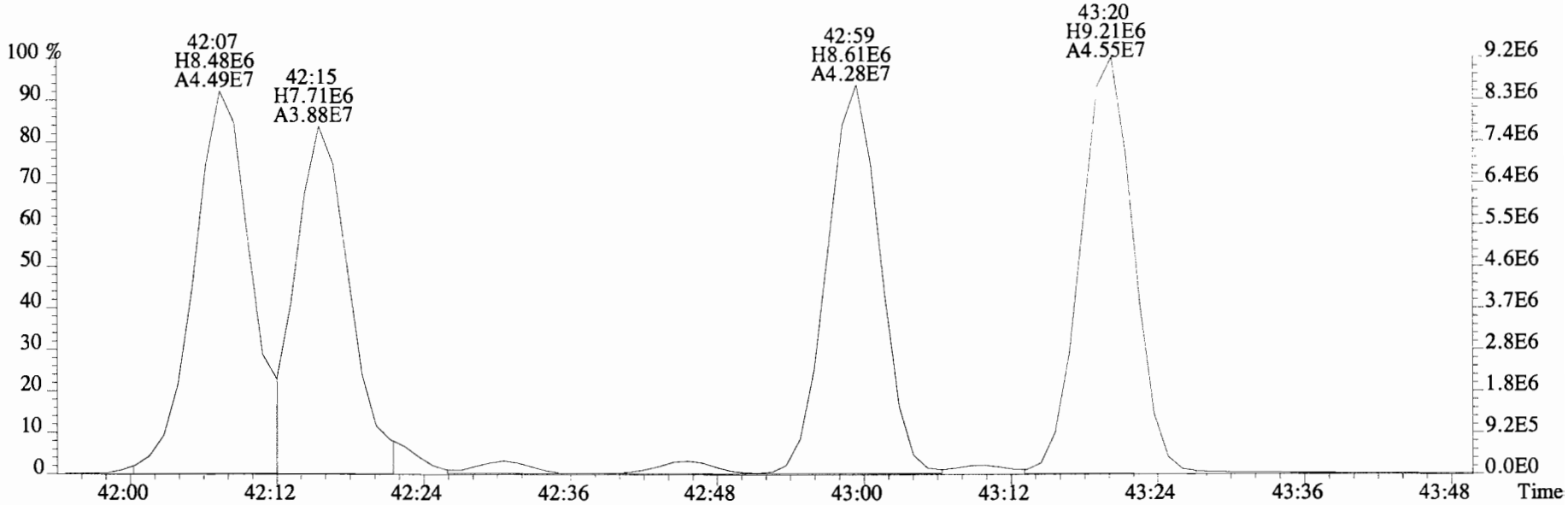

339.9177 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4432.0,0.00%,F,F)



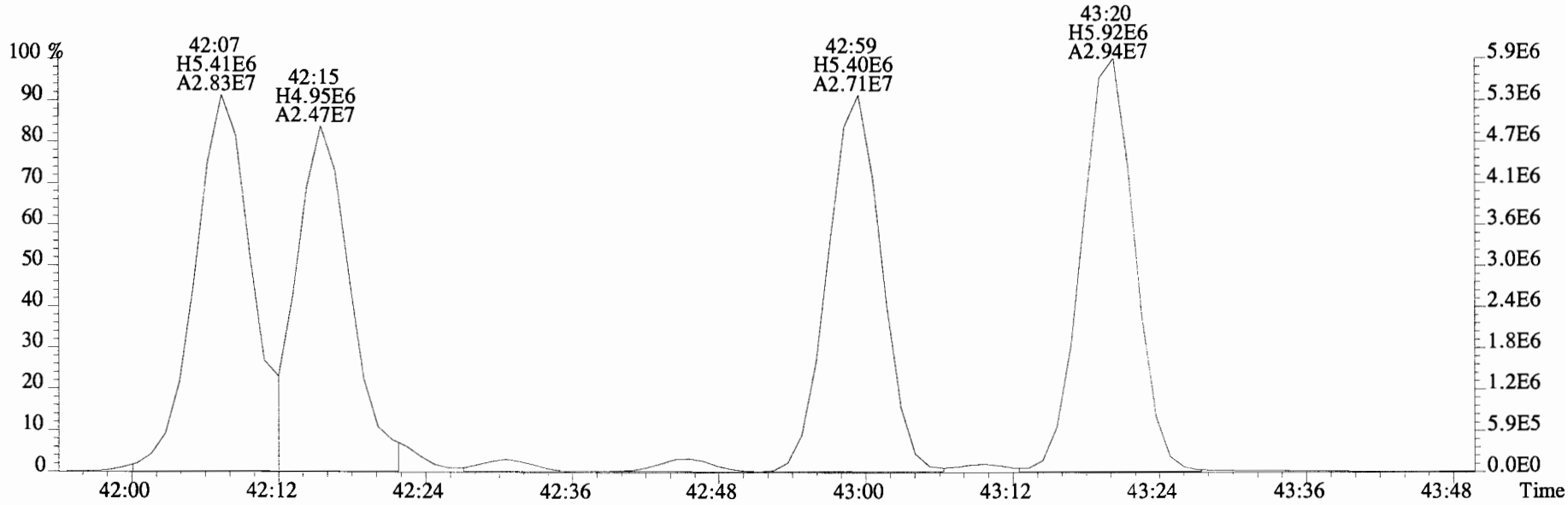

380.9760 F:4



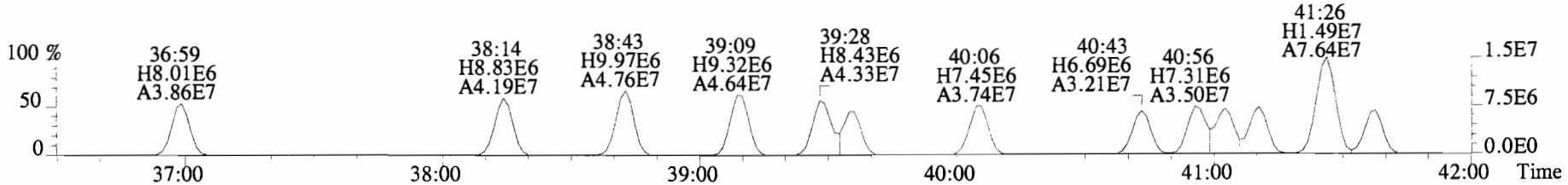
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4468.0,0.00%,F,F)



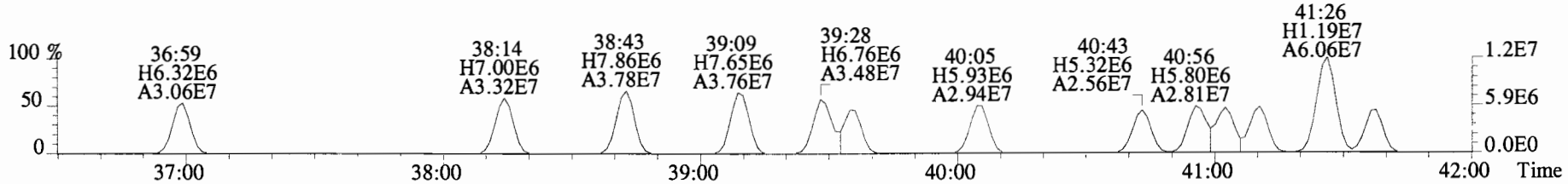

327.8775 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4208.0,0.00%,F,F)



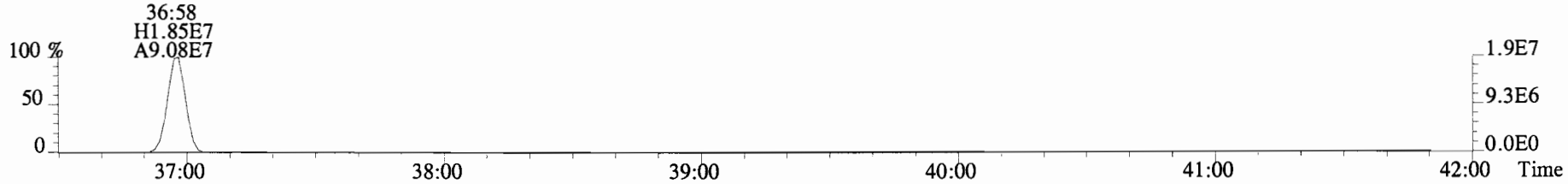
File:180409E1 #1-756 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2076.0,0.00%,F,F)



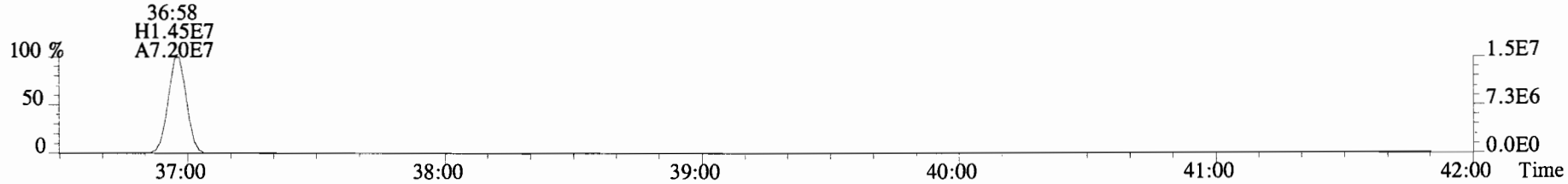

361.8385 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1892.0,0.00%,F,F)



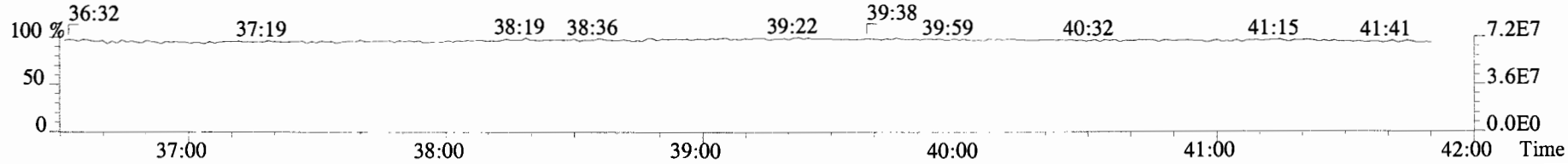

371.8817 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2180.0,0.00%,F,F)



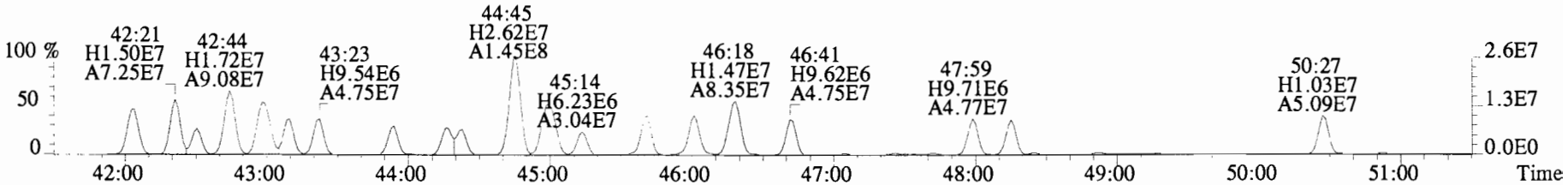

373.8788 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2332.0,0.00%,F,F)



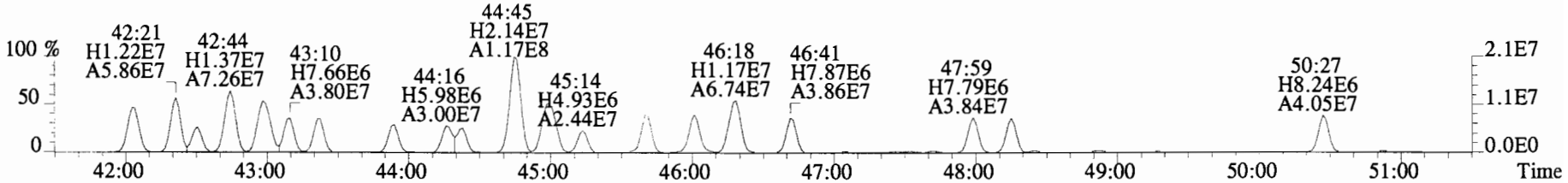

330.9792 F:3



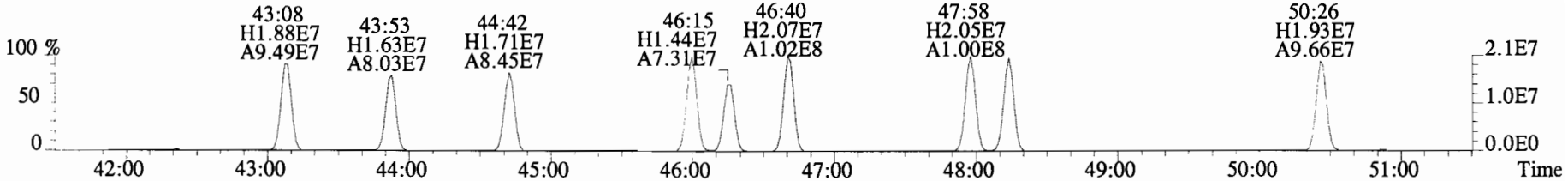
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27148.0,0.00%,F,F)



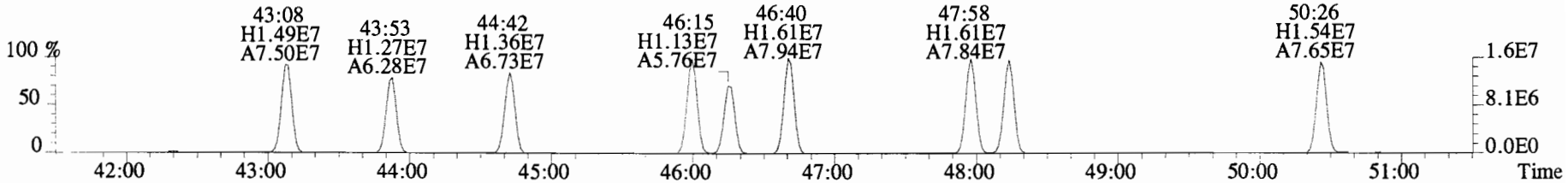

361.8385 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21956.0,0.00%,F,F)



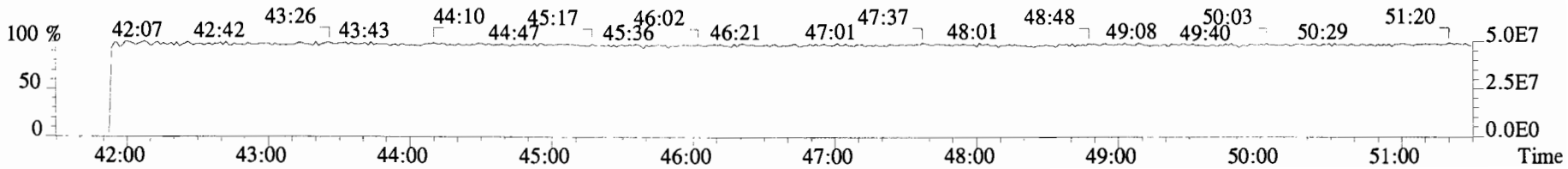

371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15072.0,0.00%,F,F)



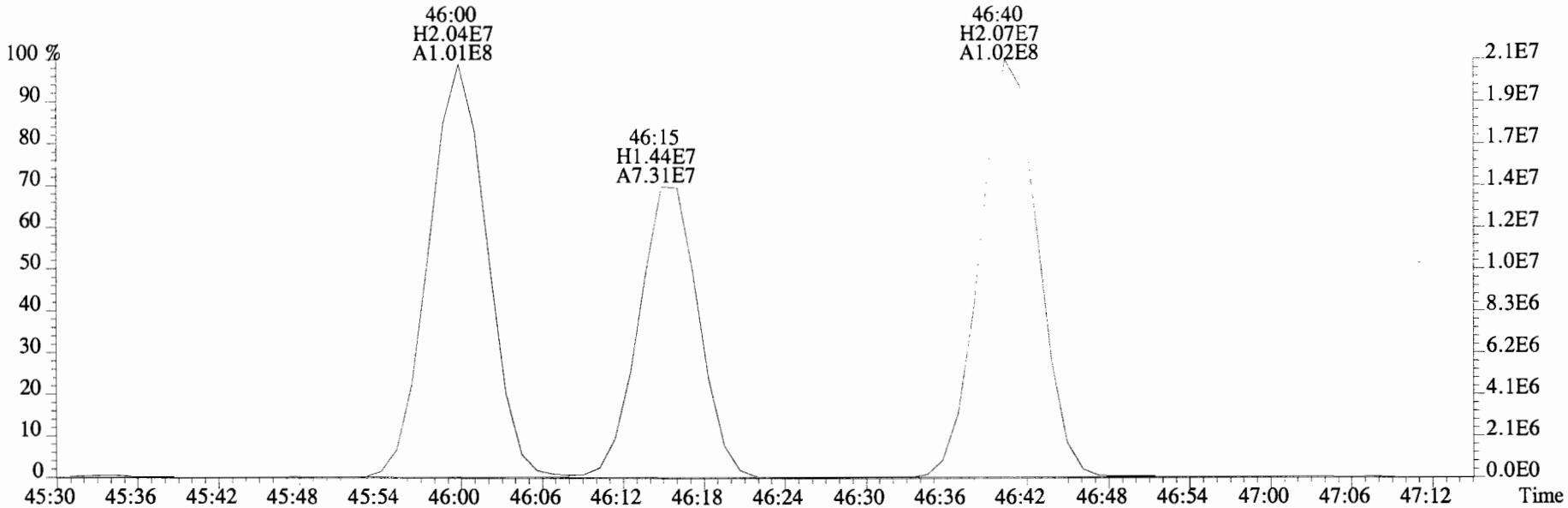

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13124.0,0.00%,F,F)



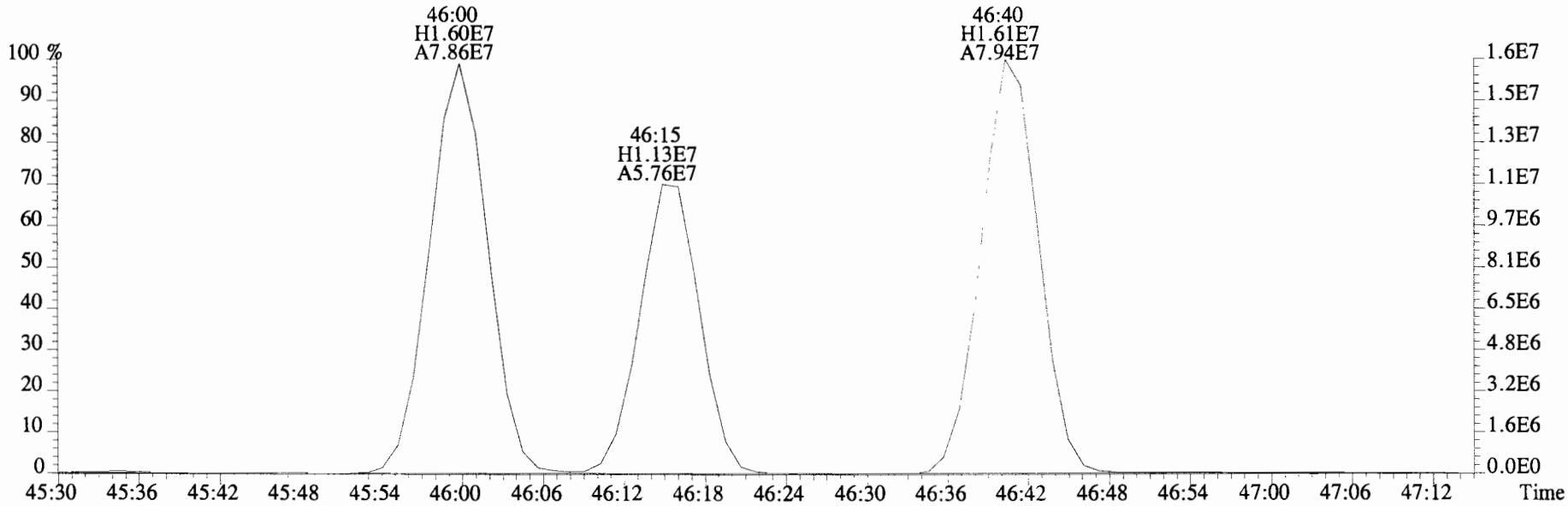

380.9760 F:4



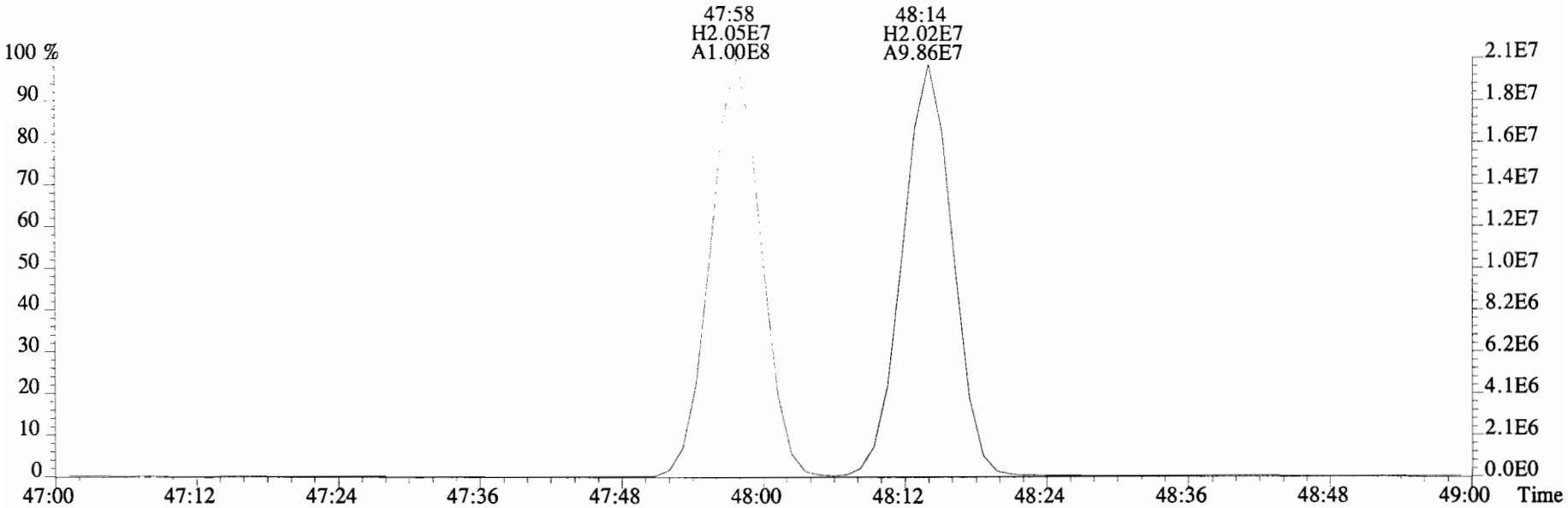
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15072.0,0.00%,F,F)



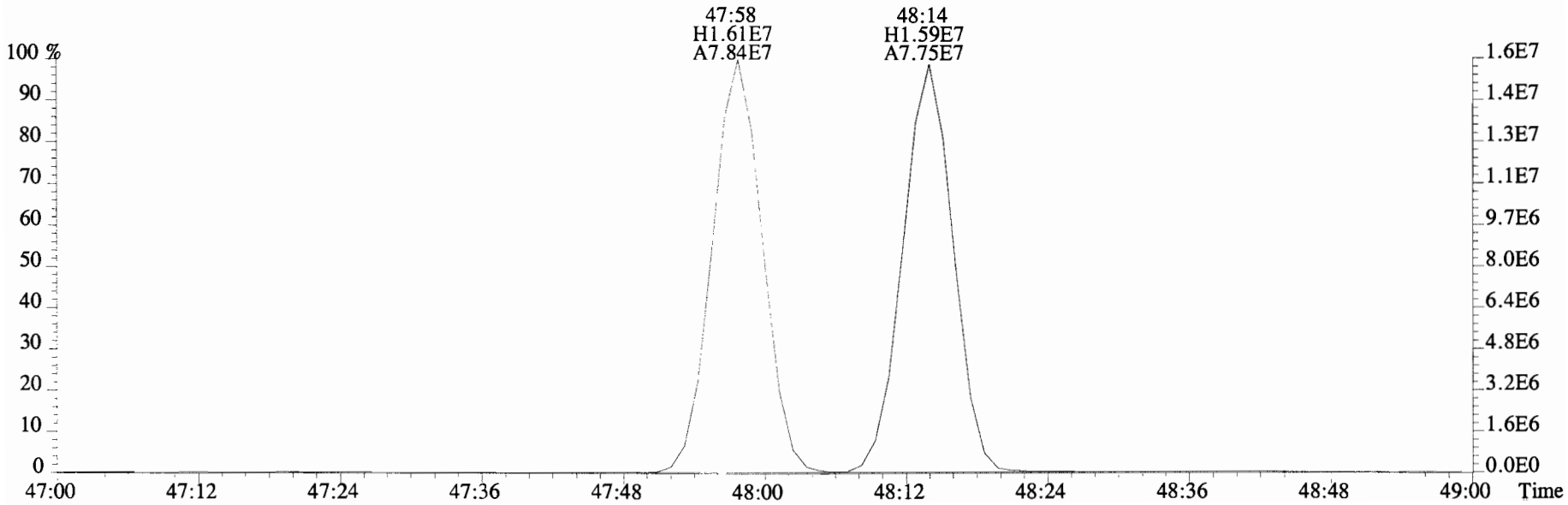

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13124.0,0.00%,F,F)



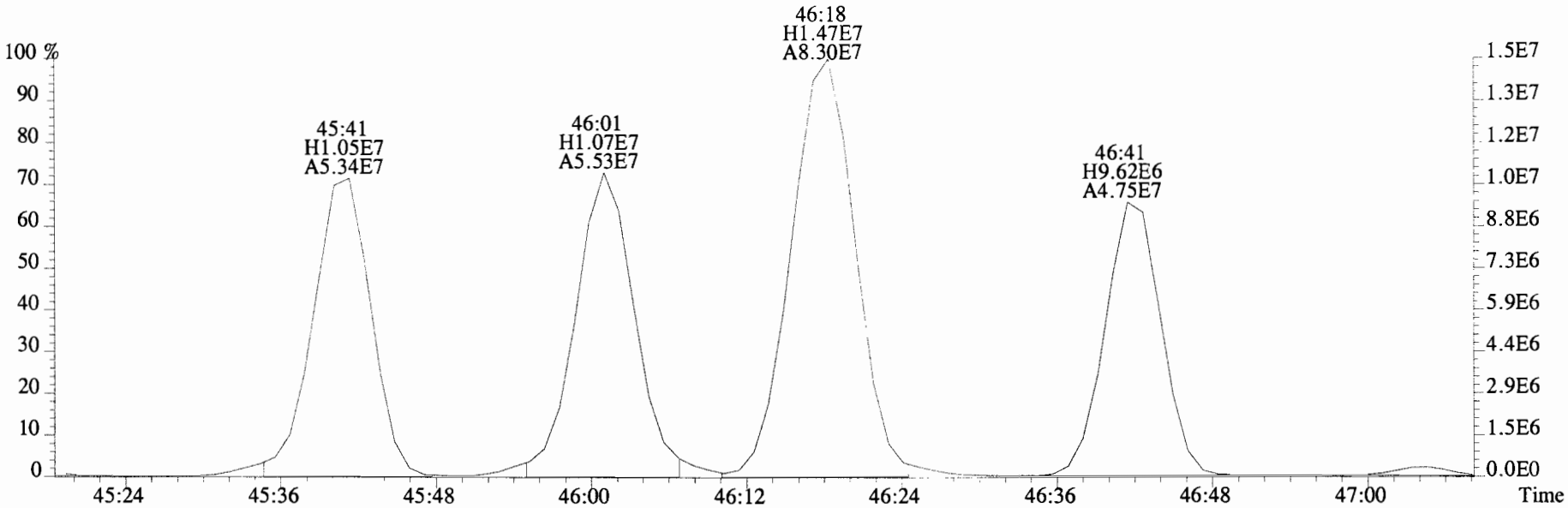
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15072.0,0.00%,F,F)



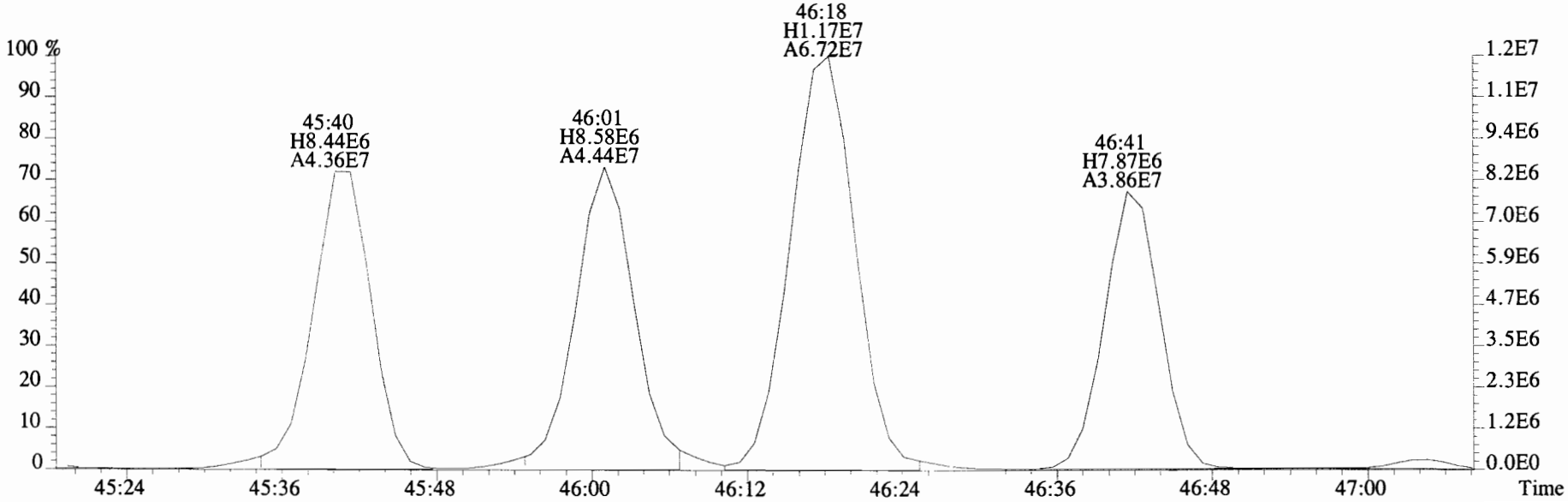

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13124.0,0.00%,F,F)



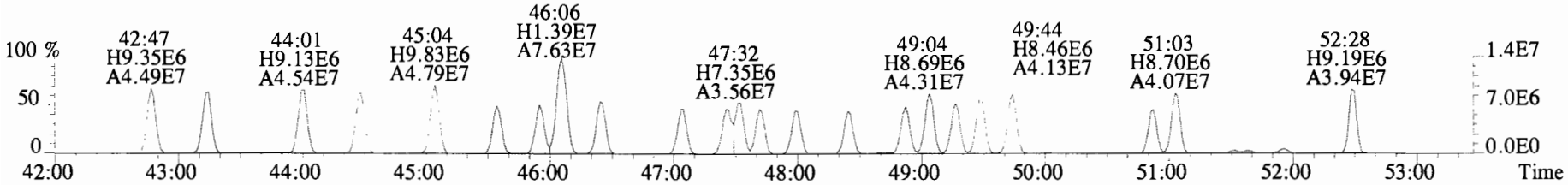
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27148.0,0.00%,F,F)



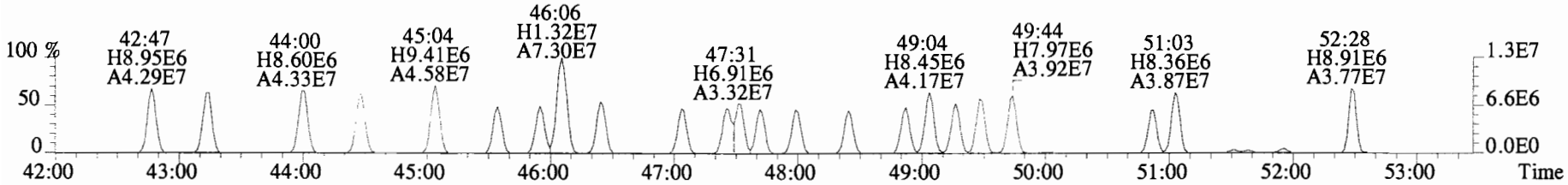

361.8385 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21956.0,0.00%,F,F)



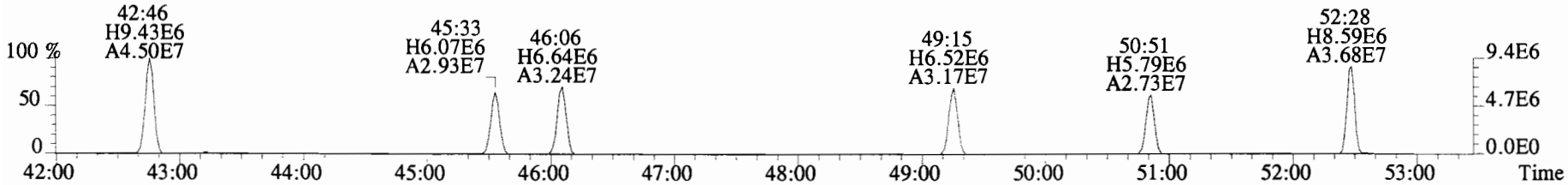
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
393.8025 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18496.0,0.00%,F,F)



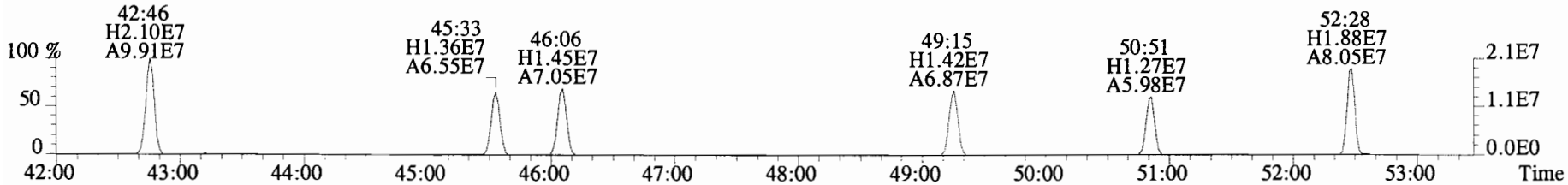

395.7995 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12340.0,0.00%,F,F)



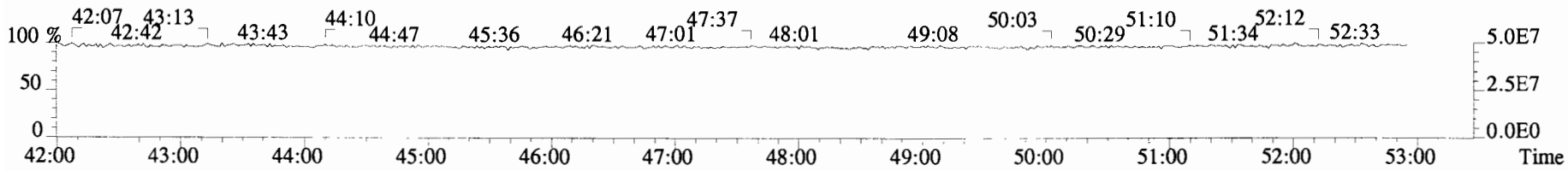

403.8457 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3744.0,0.00%,F,F)



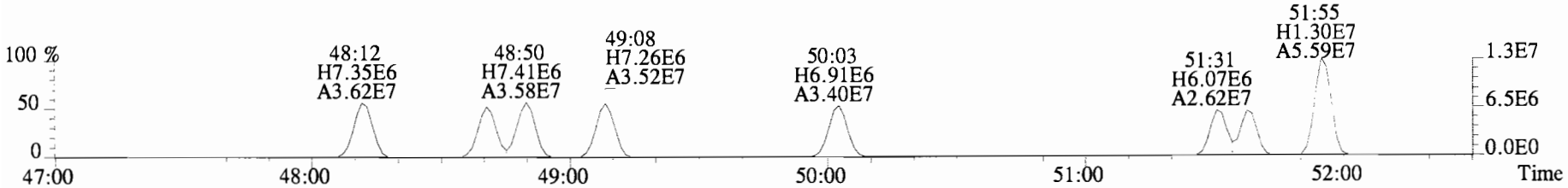

405.8428 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7904.0,0.00%,F,F)



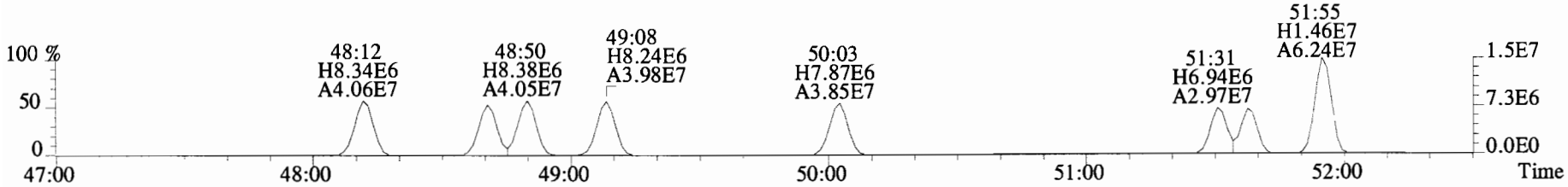

380.9760 F:4



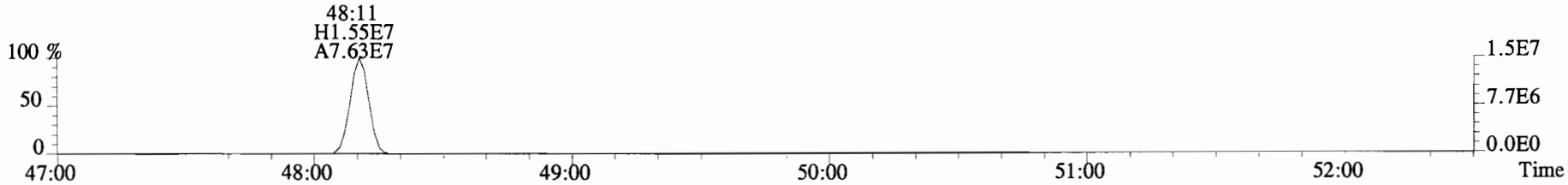
File:180409E1 #1-574 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1
427.7635 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1816.0,0.00%,F,F)



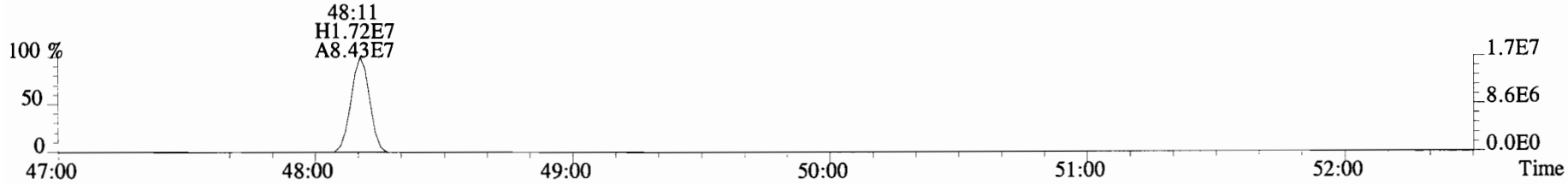

429.7606 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1464.0,0.00%,F,F)



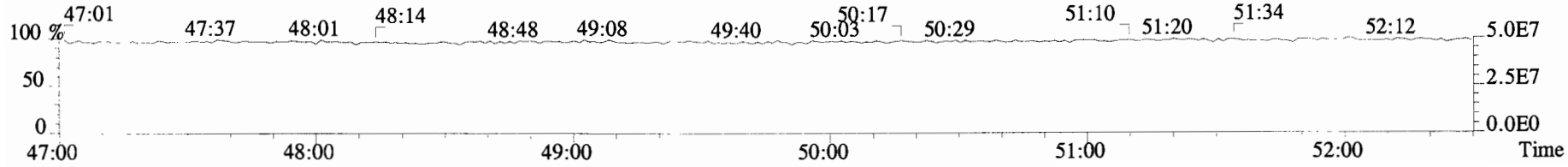

439.8038 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1924.0,0.00%,F,F)




441.8008 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2216.0,0.00%,F,F)

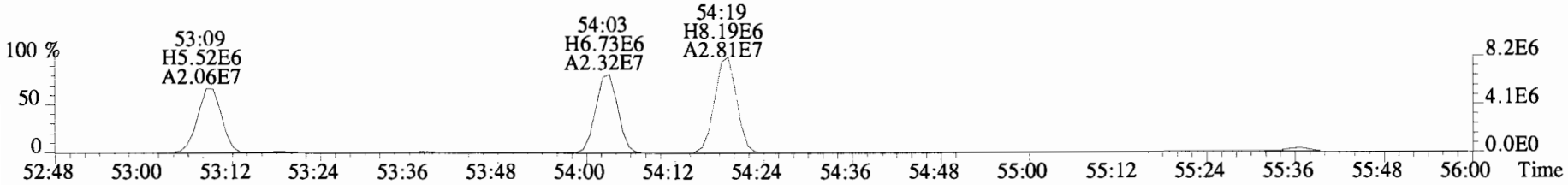



380.9760 F:4

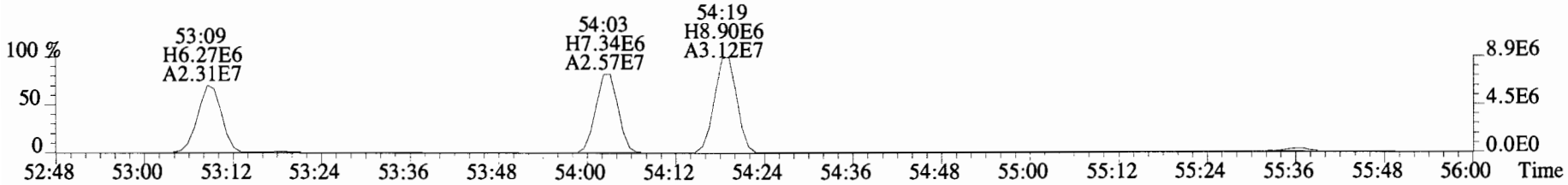


File:180409E1 #1-407 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1

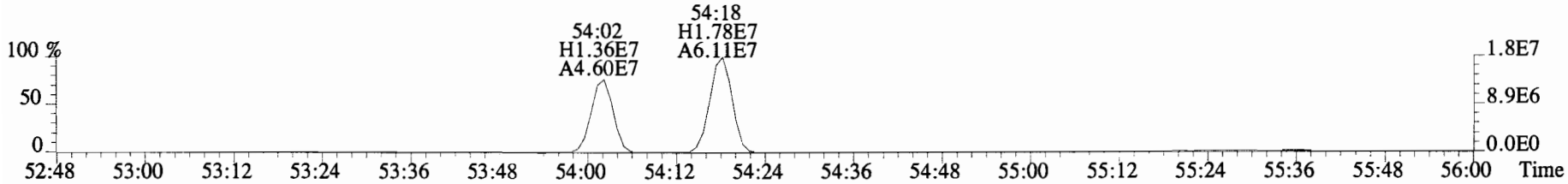
427.7635 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12636.0,0.00%,F,F)



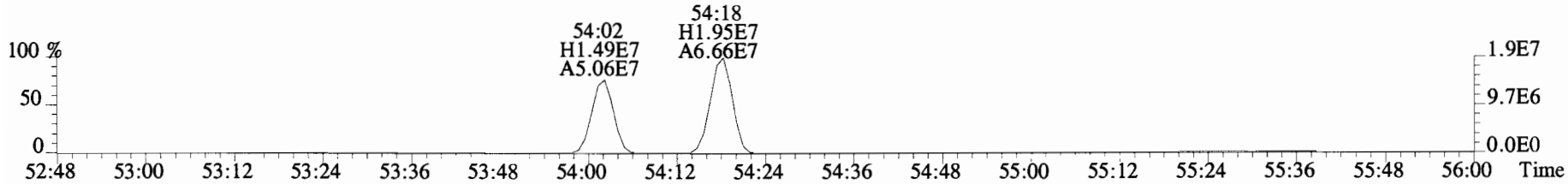

429.7606 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2528.0,0.00%,F,F)



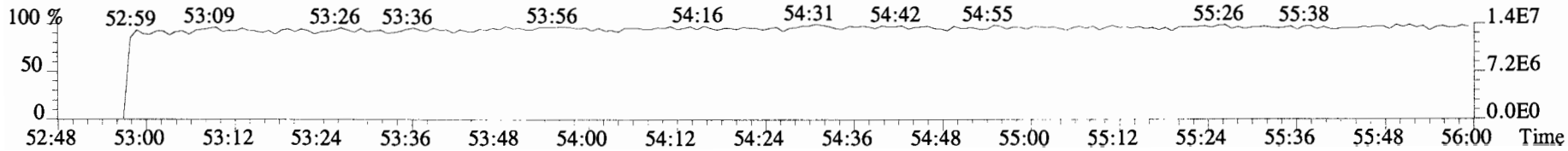

439.8038 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3372.0,0.00%,F,F)




441.8008 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4780.0,0.00%,F,F)

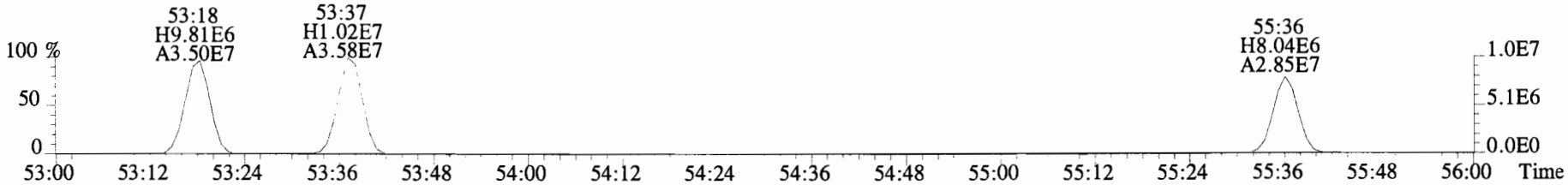



492.9697 F:5

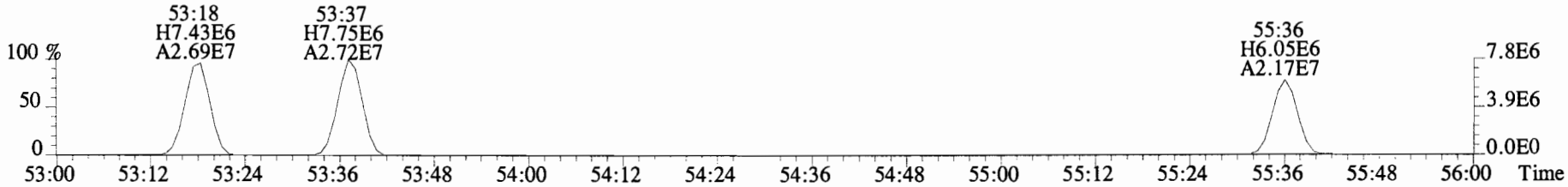


File:180409E1 #1-407 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1

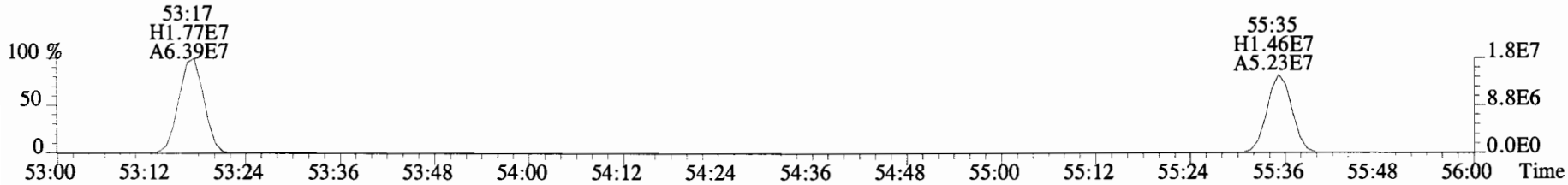
463.7216 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12872.0,0.00%,F,F)



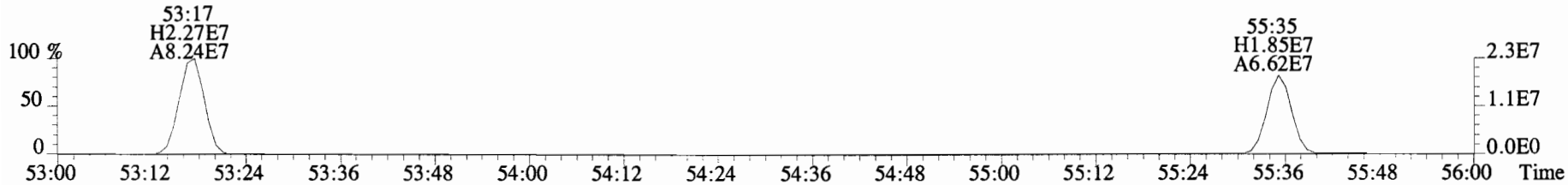

465.7186 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9876.0,0.00%,F,F)



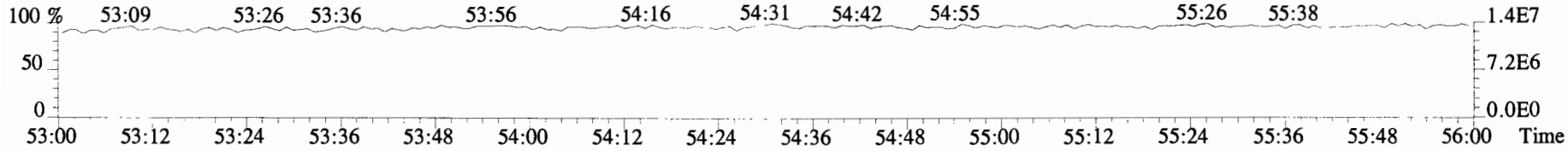

473.7648 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17648.0,0.00%,F,F)




475.7619 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21376.0,0.00%,F,F)

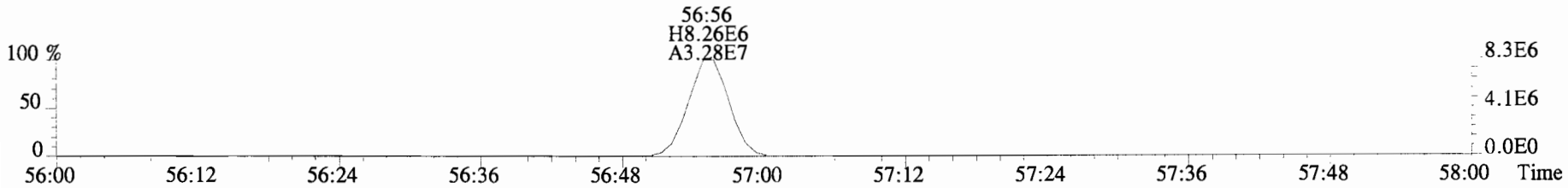



492.9697 F:5

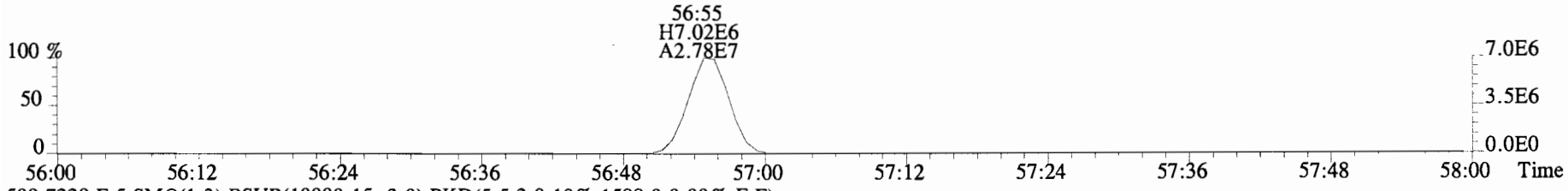


File:180409E1 #1-407 Acq: 9-APR-2018 17:33:40 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E1-1 PCB CS3 17L3006 Exp:PCB_ZB1

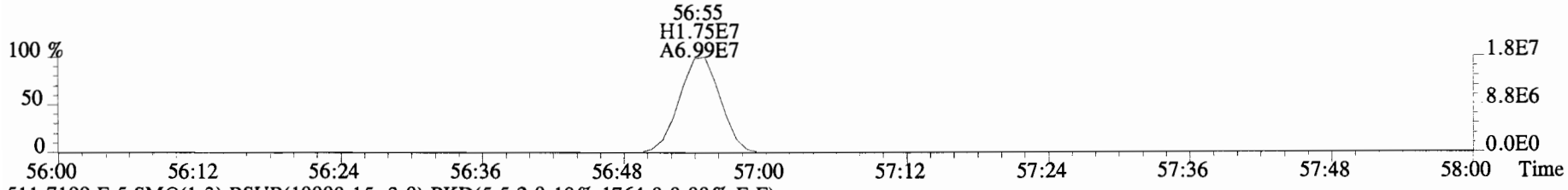
497.6826 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1532.0,0.00%,F,F)



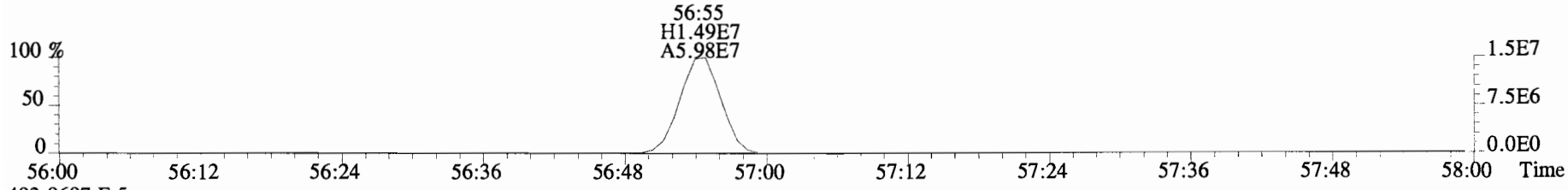

499.6797 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1336.0,0.00%,F,F)



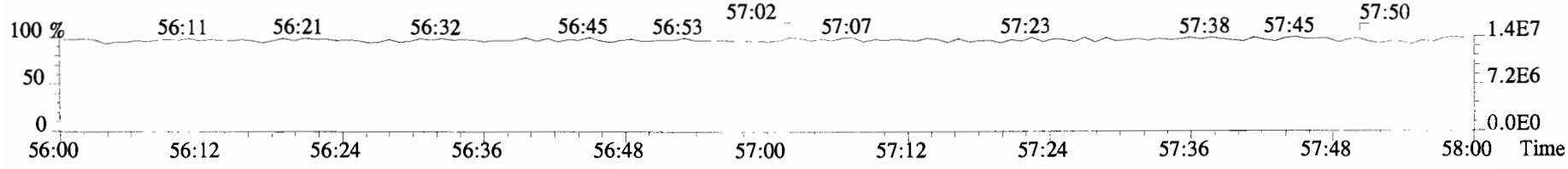

509.7229 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1588.0,0.00%,F,F)




511.7199 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1764.0,0.00%,F,F)

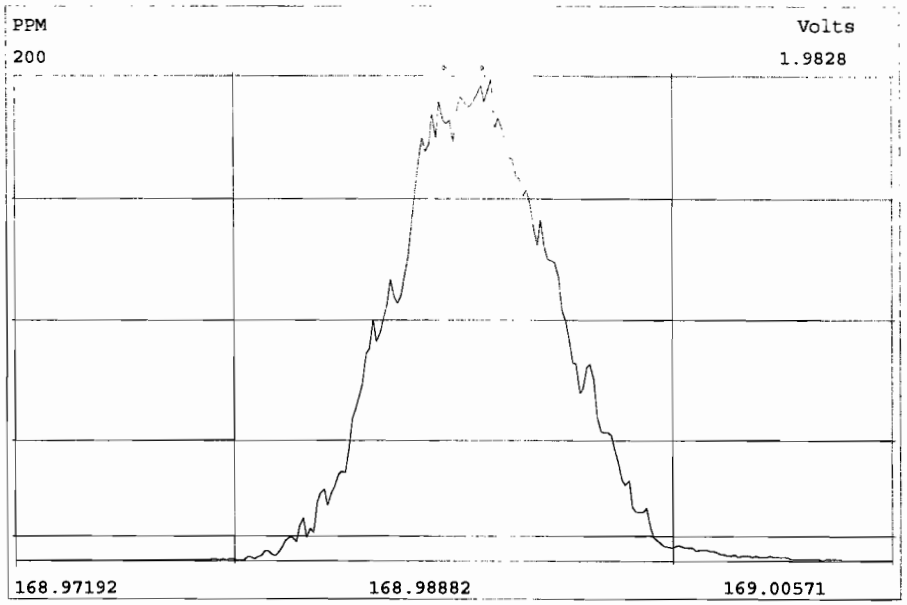


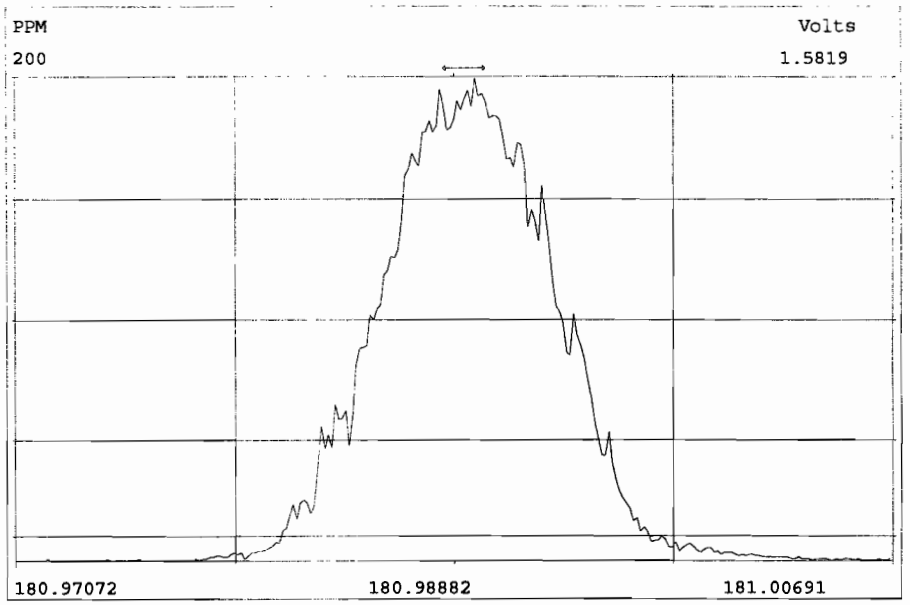

492.9697 F:5

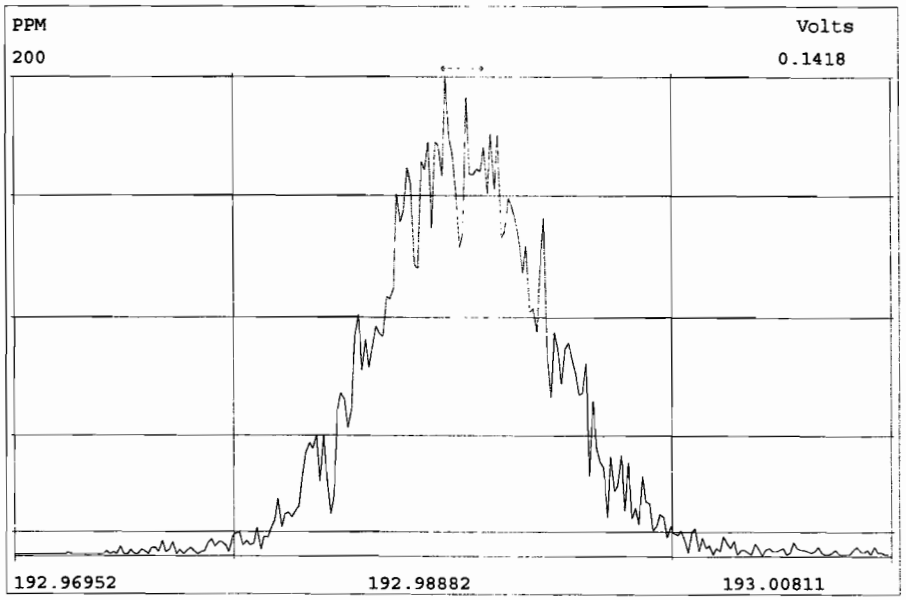


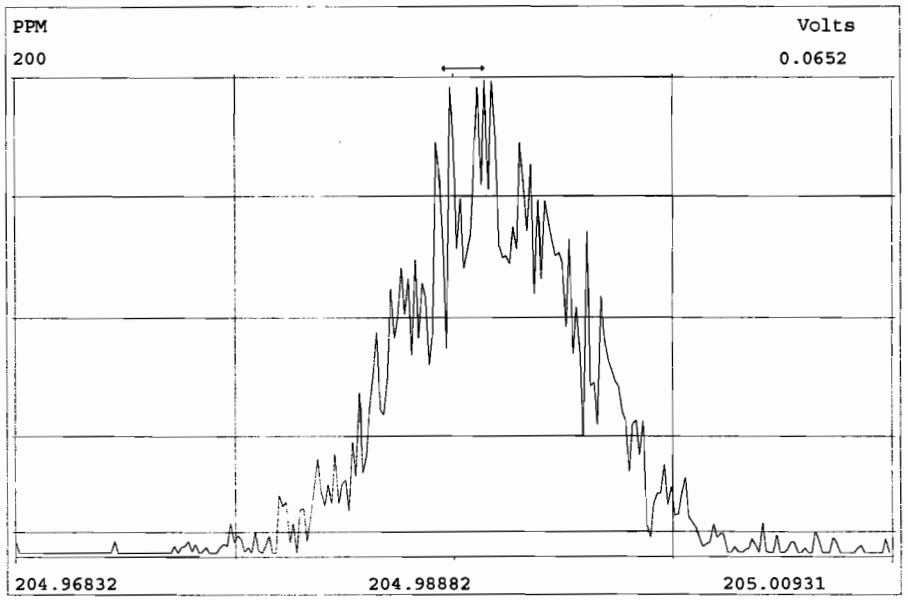
Peak Locate Examination:10-APR-2018:06:42 File:RES_CHECK

Experiment:PCB_ZB1 Function:1 Reference:PFK



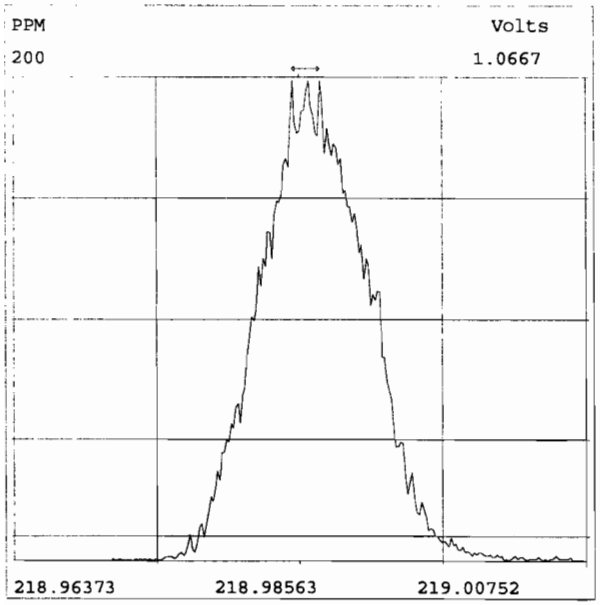



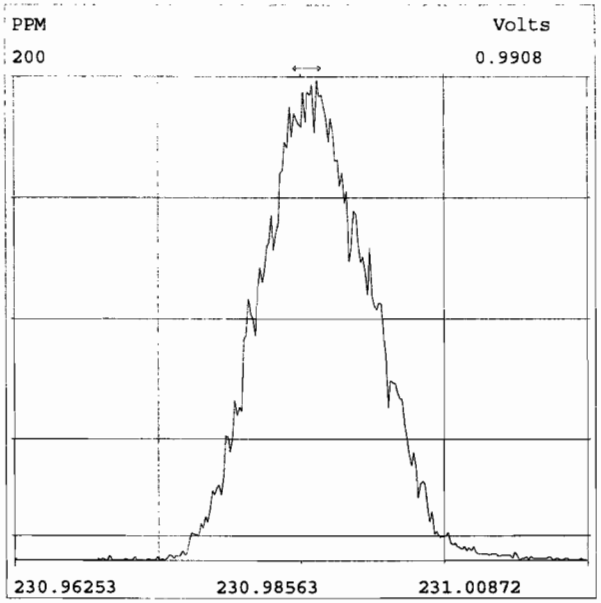



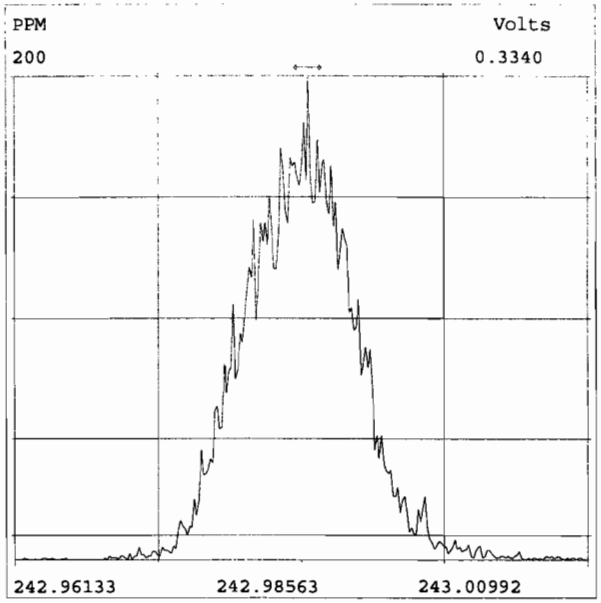



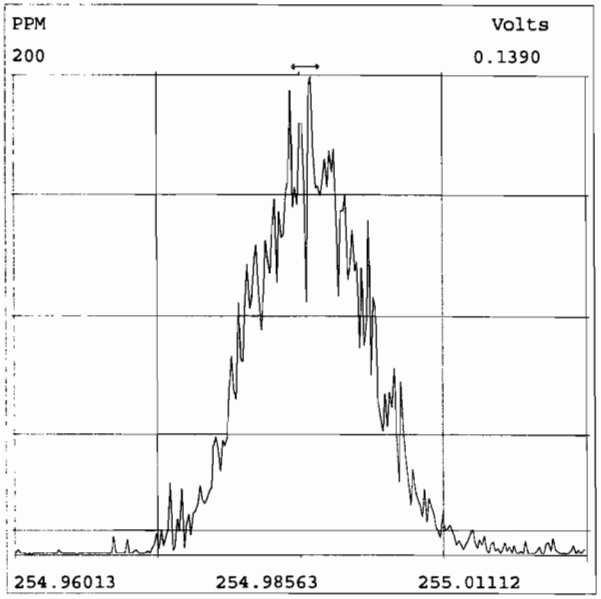
Peak Locate Examination:10-APR-2018:06:43 File:RES_CHECK

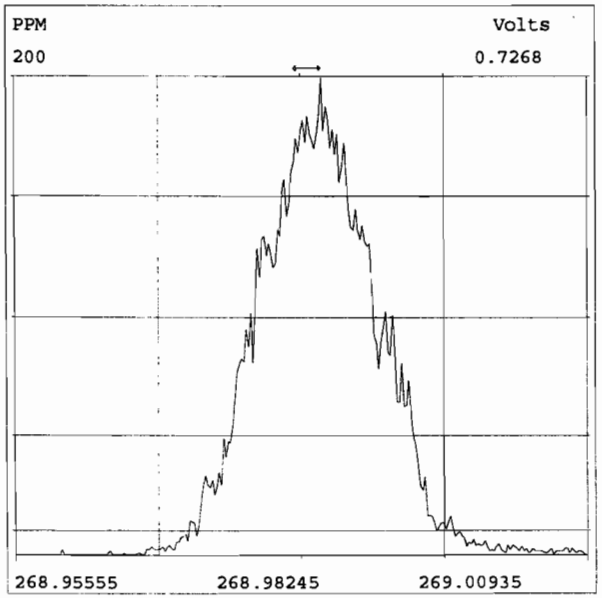
Experiment:PCB_ZB1 Function:2 Reference:PFK

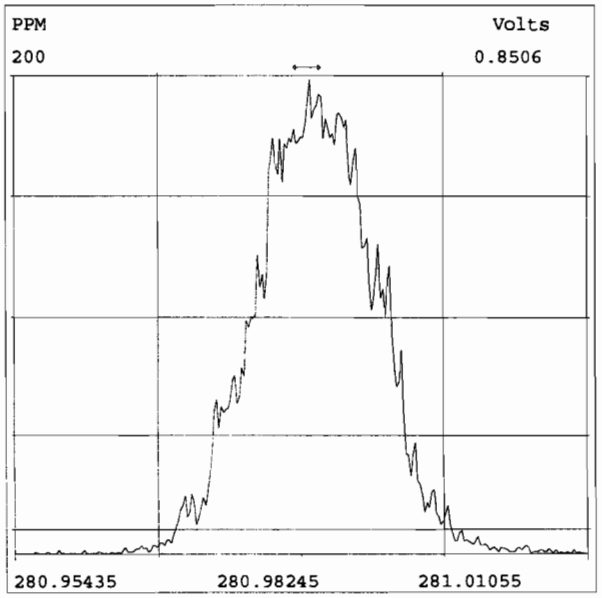


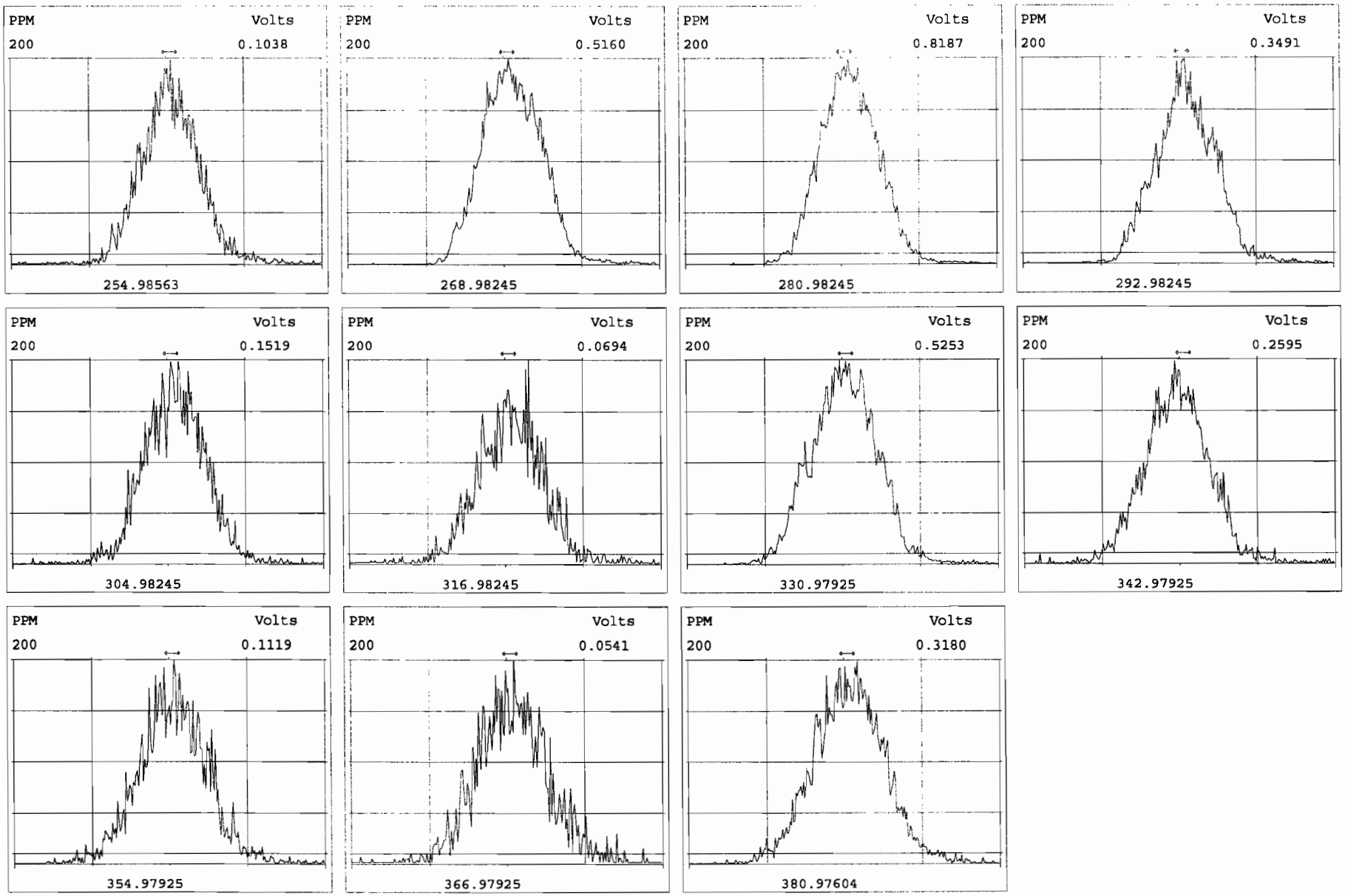



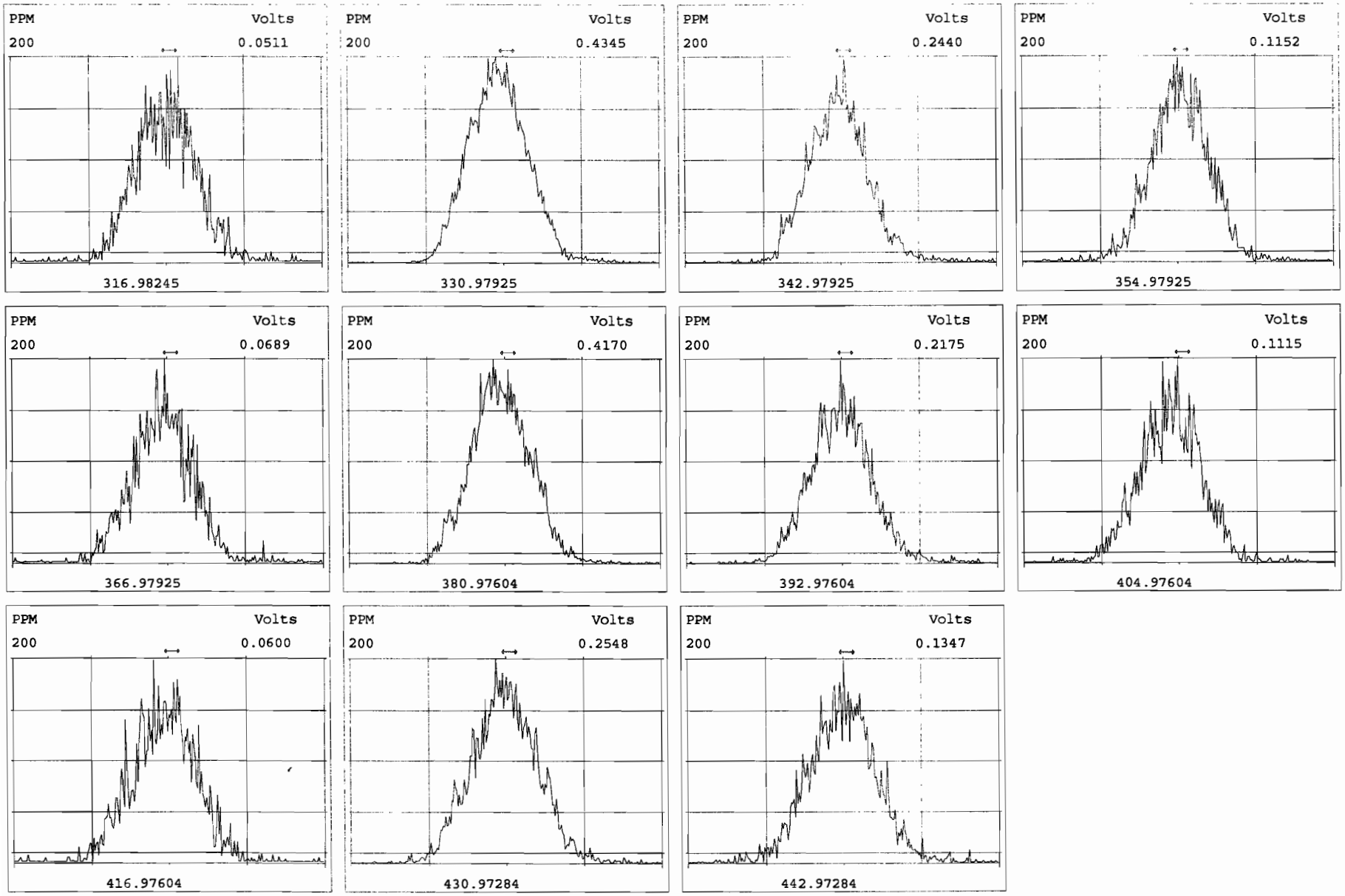
Peak Locate Examination:10-APR-2018:06:44 File:RES_CHECK

Experiment:PCB_ZB1 Function:3 Reference:PFK



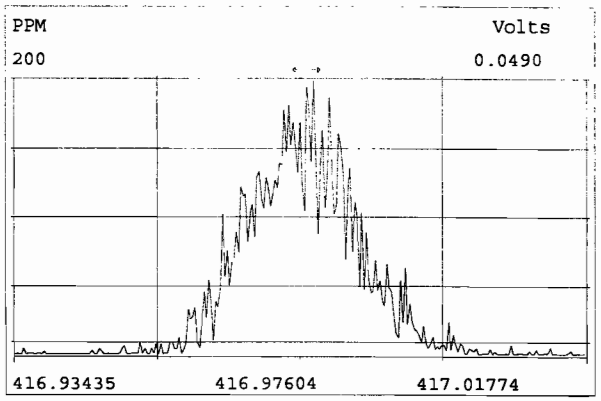
Peak Locate Examination:10-APR-2018:06:45 File:RES_CHECK

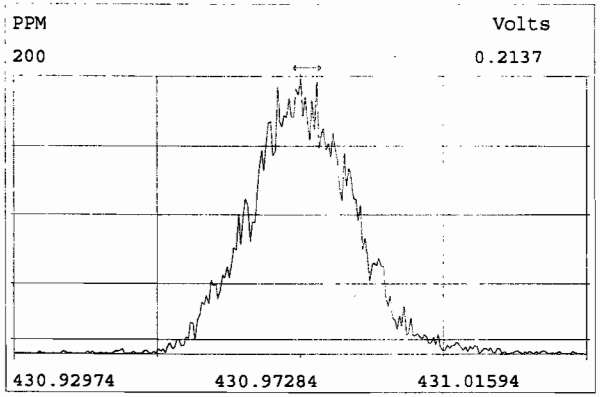
Experiment:PCB_ZB1 Function:4 Reference:PFK

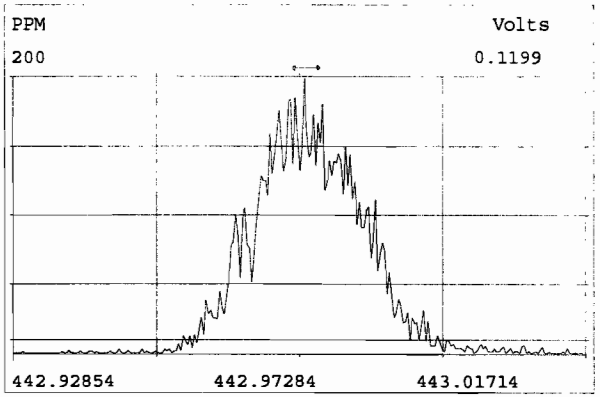


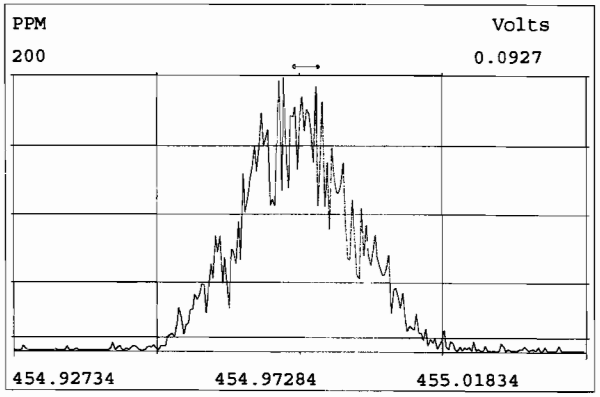
Peak Locate Examination:10-APR-2018:06:46 File:RES_CHECK

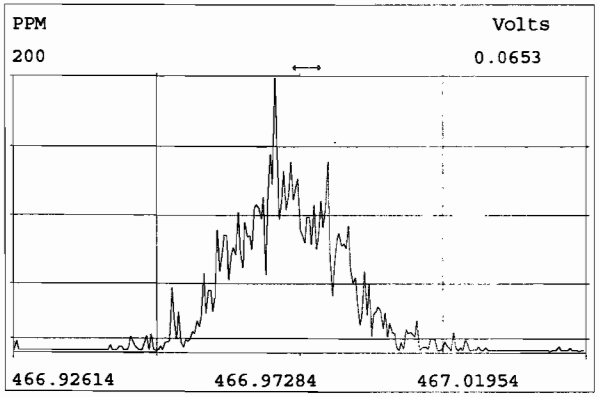
Experiment:PCB_ZB1 Function:5 Reference:PFK

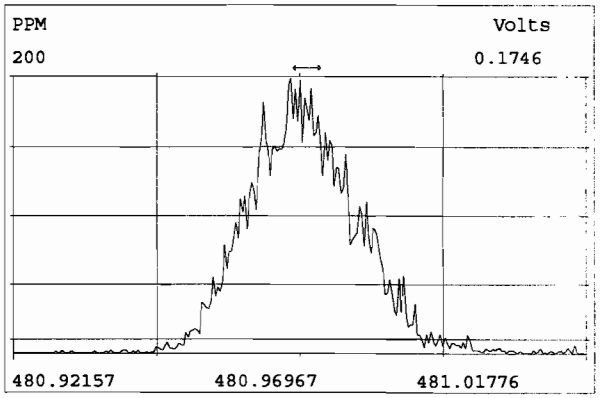


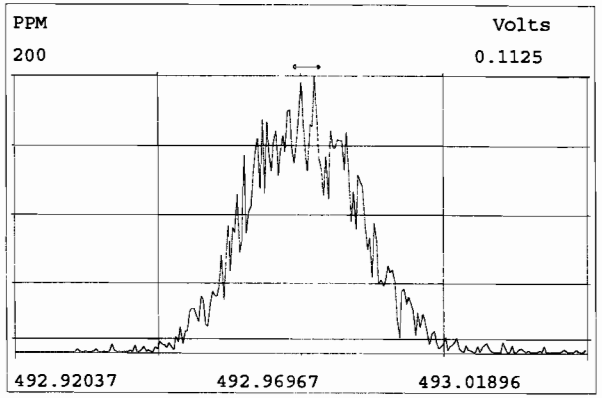



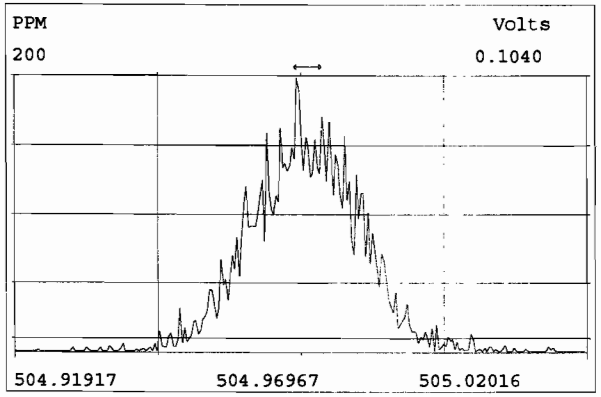



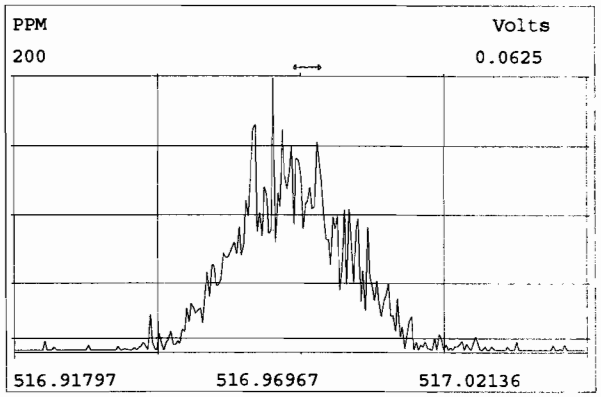



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calbration ID:** ST180409E21

**Reviewed By:** CT 4/12/18
*Initials & Date*

**End Calibration ID:** NA

| | Beg. | End |
|---|---|---|
| Ion abundance within QC limits? | ✓ | NA |
| Concentrations within criteria? | ✓ | |
| TCDD/TCDF Valleys <25% | NA | |
| First and last eluters present? | ✓ | |
| Retention Times within criteria? | ✓ | |
| Verification Std. named correctly? (ST-Year-Month-Day-VG ID) | ✓ | |
| Forms signed and dated? | ✓ | |
| Correct ICAL referenced? | DB | |

## Run Log:

| | Beg. | End |
|---|---|---|
| - Correct instrument listed? | ✓ | ✓ |
| - Samples within 12 hour clock? | (Y) | N |
| - Bottle position verfied? | DB | |

| | Beg. | End |
|---|---|---|
| Mass resolution ≥ | ✓ | ✓ |

☐ 5k ☐ 6-8K ☐ 8K ☑ 10K
1614 1699 429 1613/1668/8280

| | Beg. | End |
|---|---|---|
| Intergrated peaks display correctly? | ✓ | NA |

GC Break <20% NA

## 8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours NA

**Comments:**

NATIVE 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E2-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E2  S#1  Analysis Date: 10-APR-18 Time: 06:47:25

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| PCB-1 | 3.03 | 2.66-3.60 | y | 49.1 | 37.5-62.5 |
| PCB-2 | 3.02 | 2.66-3.60 | y | 48.1 | 37.5-62.5 |
| PCB-3 | 3.01 | 2.66-3.60 | y | 49.2 | 37.5-62.5 |
| PCB-4/10 | 1.58 | 1.33-1.79 | y | 95.0 | 75-125 |
| PCB-7/9 | 1.60 | 1.33-1.79 | y | 91.0 | 75-125 |
| PCB-6 | 1.57 | 1.33-1.79 | y | 46.0 | 37.5-62.5 |
| PCB-5/8 | 1.57 | 1.33-1.79 | y | 94.0 | 75-125 |
| PCB-14 | 1.59 | 1.33-1.79 | y | 47.0 | 37.5-62.5 |
| PCB-11 | 1.58 | 1.33-1.79 | y | 46.0 | 37.5-62.5 |
| PCB-12/13 | 1.58 | 1.33-1.79 | y | 91.4 | 75-125 |
| PCB-15 | 1.59 | 1.33-1.79 | y | 49.2 | 37.5-62.5 |
| PCB-19 | 1.03 | 0.88-1.20 | y | 44.1 | 37.5-62.5 |
| PCB-30 | 1.04 | 0.88-1.20 | y | 43.6 | 37.5-62.5 |
| PCB-18 | 1.03 | 0.88-1.20 | y | 43.3 | 37.5-62.5 |
| PCB-17 | 1.03 | 0.88-1.20 | y | 43.6 | 37.5-62.5 |
| PCB-24/27 | 1.03 | 0.88-1.20 | y | 88.2 | 75.0-125 |
| PCB-16/32 | 1.03 | 0.88-1.20 | y | 86.2 | 75.0-125 |
| PCB-34 | 1.06 | 0.88-1.20 | y | 45.2 | 37.5-62.5 |
| PCB-23 | 1.03 | 0.88-1.20 | y | 45.0 | 37.5-62.5 |
| PCB-29 | 1.04 | 0.88-1.20 | y | 43.3 | 37.5-62.5 |
| PCB-26 | 1.04 | 0.88-1.20 | y | 43.0 | 37.5-62.5 |
| PCB-25 | 1.05 | 0.88-1.20 | y | 42.9 | 37.5-62.5 |
| PCB-31 | 1.19 | 0.88-1.20 | y | 43.1 | 37.5-62.5 |
| PCB-28 | 0.93 | 0.88-1.20 | y | 44.4 | 37.5-62.5 |
| PCB-20/21/33 | 1.04 | 0.88-1.20 | y | 128.4 | 112.5-225 |
| PCB-22 | 1.03 | 0.88-1.20 | y | 43.2 | 37.5-62.5 |
| PCB-36 | 1.04 | 0.88-1.20 | y | 46.4 | 37.5-62.5 |
| PCB-39 | 1.03 | 0.88-1.20 | y | 46.7 | 37.5-62.5 |
| PCB-38 | 1.05 | 0.88-1.20 | y | 47.0 | 37.5-62.5 |
| PCB-35 | 1.05 | 0.88-1.20 | y | 47.8 | 37.5-62.5 |
| PCB-37 | 1.04 | 0.88-1.20 | y | 46.4 | 37.5-62.5 |
| PCB-54 | 0.78 | 0.65-0.89 | y | 47.4 | 37.5-62.5 |
| PCB-50 | 0.78 | 0.65-0.89 | y | 46.7 | 37.5-62.5 |
| PCB-53 | 0.77 | 0.65-0.89 | y | 46.9 | 37.5-62.5 |
| PCB-51 | 0.77 | 0.65-0.89 | y | 46.6 | 37.5-62.5 |
| PCB-45 | 0.78 | 0.65-0.89 | y | 45.6 | 37.5-62.5 |
| PCB-46 | 0.78 | 0.65-0.89 | y | 45.7 | 37.5-62.5 |

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| PCB-52/69 | 0.78 | 0.65-0.89 | y | 89.4 | 75.0-125 |
| PCB-73 | 0.77 | 0.65-0.89 | y | 47.8 | 37.5-62.5 |
| PCB-43/49 | 0.78 | 0.65-0.89 | y | 93.2 | 75.0-125 |
| PCB-47 | 0.76 | 0.65-0.89 | y | 48.1 | 37.5-62.5 |
| PCB-48/75 | 0.77 | 0.65-0.89 | y | 91.7 | 75.0-125 |
| PCB-65 | 0.77 | 0.65-0.89 | y | 43.1 | 37.5-62.5 |
| PCB-62 | 0.78 | 0.65-0.89 | y | 50.2 | 37.5-62.5 |
| PCB-44 | 0.78 | 0.65-0.89 | y | 47.2 | 37.5-62.5 |
| PCB-42/59 | 0.78 | 0.65-0.89 | y | 90.4 | 75.0-125 |
| PCB-41/64/71/72 | 0.78 | 0.65-0.89 | y | 182.3 | 150-250 |
| PCB-68 | 0.77 | 0.65-0.89 | y | 44.2 | 37.5-62.5 |
| PCB-40 | 0.78 | 0.65-0.89 | y | 46.2 | 37.5-62.5 |
| PCB-57 | 0.77 | 0.65-0.89 | y | 44.7 | 37.5-62.5 |
| PCB-67 | 0.77 | 0.65-0.89 | y | 45.6 | 37.5-62.5 |
| PCB-58 | 0.78 | 0.65-0.89 | y | 44.7 | 37.5-62.5 |
| PCB-63 | 0.78 | 0.65-0.89 | y | 44.6 | 37.5-62.5 |
| PCB-74 | 0.77 | 0.65-0.89 | y | 45.5 | 37.5-62.5 |
| PCB-61/70 | 0.78 | 0.65-0.89 | y | 90.1 | 75.0-125 |
| PCB-76/66 | 0.77 | 0.65-0.89 | y | 90.8 | 75.0-125 |
| PCB-80 | 0.78 | 0.65-0.89 | y | 45.9 | 37.5-62.5 |
| PCB-55 | 0.77 | 0.65-0.89 | y | 46.7 | 37.5-62.5 |
| PCB-56/60 | 0.77 | 0.65-0.89 | y | 90.1 | 75.0-125 |
| PCB-79 | 0.77 | 0.65-0.89 | y | 43.5 | 37.5-62.5 |
| PCB-78 | 0.78 | 0.65-0.89 | y | 46.9 | 37.5-62.5 |
| PCB-81 | 0.77 | 0.65-0.89 | y | 48.1 | 37.5-62.5 |
| PCB-77 | 0.79 | 0.65-0.89 | y | 46.3 | 37.5-62.5 |
| PCB-104 | 1.55 | 1.32-1.78 | y | 42.3 | 37.5-62.5 |
| PCB-96 | 1.58 | 1.32-1.78 | y | 42.8 | 37.5-62.5 |
| PCB-103 | 1.58 | 1.32-1.78 | y | 42.0 | 37.5-62.5 |
| PCB-100 | 1.57 | 1.32-1.78 | y | 42.9 | 37.5-62.5 |
| PCB-94 | 1.56 | 1.32-1.78 | y | 42.7 | 37.5-62.5 |
| PCB-95/98/102 | 1.56 | 1.32-1.78 | y | 128.5 | 112.5-225 |
| PCB-93 | 1.61 | 1.32-1.78 | y | 42.8 | 37.5-62.5 |
| PCB-88/91 | 1.56 | 1.32-1.78 | y | 85.3 | 75.0-125 |
| PCB-121 | 1.59 | 1.32-1.78 | y | 42.5 | 37.5-62.5 |

Analyst: DB

Date: 4/10/18

NATIVE 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E2-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E2  S#1  Analysis Date: 10-APR-18 Time: 06:47:25

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) | ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-84/92 | 1.56 | 1.32-1.78 | y | 85.8 | 75.0-125 | PCB-140 | 1.26 | 1.05-1.43 | y | 41.3 | 37.5-62.5 |
| PCB-89 | 1.58 | 1.32-1.78 | y | 43.1 | 37.5-62.5 | PCB-134/143 | 1.23 | 1.05-1.43 | y | 93.0 | 75.0-125 |
| PCB-90/101 | 1.57 | 1.32-1.78 | y | 84.3 | 75.0-125 | PCB-131/133 | 1.23 | 1.05-1.43 | y | 94.2 | 75.0-125 |
| PCB-113 | 1.57 | 1.32-1.78 | y | 40.5 | 37.5-62.5 | PCB-142 | 1.25 | 1.05-1.43 | y | 47.3 | 37.5-62.5 |
| PCB-99 | 1.59 | 1.32-1.78 | y | 43.9 | 37.5-62.5 | PCB-146/165 | 1.24 | 1.05-1.43 | y | 93.4 | 75.0-125 |
| PCB-119 | 1.57 | 1.32-1.78 | y | 43.1 | 37.5-62.5 | PCB-132/161 | 1.24 | 1.05-1.43 | y | 94.8 | 75.0-125 |
| PCB-108/112 | 1.56 | 1.32-1.78 | y | 88.0 | 75.0-125 | PCB-153 | 1.25 | 1.05-1.43 | y | 47.8 | 37.5-62.5 |
| PCB-83 | 1.56 | 1.32-1.78 | y | 43.5 | 37.5-62.5 | PCB-168 | 1.26 | 1.05-1.43 | y | 45.1 | 37.5-62.5 |
| PCB-97 | 1.57 | 1.32-1.78 | y | 43.9 | 37.5-62.5 | PCB-141 | 1.24 | 1.05-1.43 | y | 47.0 | 37.5-62.5 |
| PCB-86 | 1.54 | 1.32-1.78 | y | 47.5 | 37.5-62.5 | PCB-137 | 1.22 | 1.05-1.43 | y | 44.7 | 37.5-62.5 |
| PCB-87/117/125 | 1.57 | 1.32-1.78 | y | 126.5 | 112.5-225 | PCB-130 | 1.23 | 1.05-1.43 | y | 49.5 | 37.5-62.5 |
| PCB-111/115 | 1.56 | 1.32-1.78 | y | 85.4 | 75.0-125 | PCB-138/163/164 | 1.24 | 1.05-1.43 | y | 140.5 | 112.5-225 |
| PCB-85/116 | 1.59 | 1.32-1.78 | y | 85.2 | 75.0-125 | PCB-158/160 | 1.24 | 1.05-1.43 | y | 94.4 | 75.0-125 |
| PCB-120 | 1.57 | 1.32-1.78 | y | 42.0 | 37.5-62.5 | PCB-129 | 1.24 | 1.05-1.43 | y | 46.7 | 37.5-62.5 |
| PCB-110 | 1.58 | 1.32-1.78 | y | 42.6 | 37.5-62.5 | PCB-166 | 1.23 | 1.05-1.43 | y | 47.3 | 37.5-62.5 |
| PCB-82 | 1.56 | 1.32-1.78 | y | 42.2 | 37.5-62.5 | PCB-159 | 1.22 | 1.05-1.43 | y | 48.2 | 37.5-62.5 |
| PCB-124 | 1.74 | 1.32-1.78 | y | 44.1 | 37.5-62.5 | PCB-128/162 | 1.23 | 1.05-1.43 | y | 93.8 | 75.0-125 |
| PCB-107/109 | 1.48 | 1.32-1.78 | y | 84.1 | 75.0-125 | PCB-167 | 1.24 | 1.05-1.43 | y | 46.9 | 37.5-62.5 |
| PCB-123 | 1.59 | 1.32-1.78 | y | 44.0 | 37.5-62.5 | PCB-156 | 1.22 | 1.05-1.43 | y | 45.7 | 37.5-62.5 |
| PCB-106/118 | 1.56 | 1.32-1.78 | y | 88.7 | 75.0-125 | PCB-157 | 1.24 | 1.05-1.43 | y | 46.4 | 37.5-62.5 |
| PCB-114 | 1.54 | 1.32-1.78 | y | 44.8 | 37.5-62.5 | PCB-169 | 1.25 | 1.05-1.43 | y | 46.4 | 37.5-62.5 |
| PCB-122 | 1.57 | 1.32-1.78 | y | 45.7 | 37.5-62.5 | PCB-188 | 1.05 | 0.89-1.21 | y | 45.5 | 37.5-62.5 |
| PCB-105 | 1.54 | 1.32-1.78 | y | 45.6 | 37.5-62.5 | PCB-184 | 1.04 | 0.89-1.21 | y | 46.4 | 37.5-62.5 |
| PCB-127 | 1.57 | 1.32-1.78 | y | 45.6 | 37.5-62.5 | PCB-179 | 1.04 | 0.89-1.21 | y | 46.0 | 37.5-62.5 |
| PCB-126 | 1.55 | 1.32-1.78 | y | 45.5 | 37.5-62.5 | PCB-176 | 1.05 | 0.89-1.21 | y | 46.0 | 37.5-62.5 |
| PCB-155 | 1.27 | 1.05-1.43 | y | 42.8 | 37.5-62.5 | PCB-186 | 1.05 | 0.89-1.21 | y | 47.1 | 37.5-62.5 |
| PCB-150 | 1.27 | 1.05-1.43 | y | 41.9 | 37.5-62.5 | PCB-178 | 1.04 | 0.89-1.21 | y | 47.1 | 37.5-62.5 |
| PCB-152 | 1.27 | 1.05-1.43 | y | 41.0 | 37.5-62.5 | PCB-175 | 1.04 | 0.89-1.21 | y | 47.4 | 37.5-62.5 |
| PCB-145 | 1.26 | 1.05-1.43 | y | 40.2 | 37.5-62.5 | PCB-182/187 | 1.05 | 0.89-1.21 | y | 95.7 | 75.0-125 |
| PCB-136 | 1.27 | 1.05-1.43 | y | 39.4 | 37.5-62.5 | PCB-183 | 1.05 | 0.89-1.21 | y | 47.8 | 37.5-62.5 |
| PCB-148 | 1.26 | 1.05-1.43 | y | 40.8 | 37.5-62.5 | PCB-185 | 1.04 | 0.89-1.21 | y | 46.8 | 37.5-62.5 |
| PCB-154 | 1.28 | 1.05-1.43 | y | 39.9 | 37.5-62.5 | PCB-174 | 1.04 | 0.89-1.21 | y | 44.6 | 37.5-62.5 |
| PCB-151 | 1.27 | 1.05-1.43 | y | 41.0 | 37.5-62.5 | PCB-181 | 1.07 | 0.89-1.21 | y | 48.4 | 37.5-62.5 |
| PCB-135 | 1.25 | 1.05-1.43 | y | 41.9 | 37.5-62.5 | PCB-177 | 1.04 | 0.89-1.21 | y | 46.8 | 37.5-62.5 |
| PCB-144 | 1.27 | 1.05-1.43 | y | 41.1 | 37.5-62.5 | PCB-171 | 1.05 | 0.89-1.21 | y | 45.3 | 37.5-62.5 |
| PCB-147 | 1.28 | 1.05-1.43 | y | 41.4 | 37.5-62.5 | PCB-173 | 1.06 | 0.89-1.21 | y | 45.4 | 37.5-62.5 |
| PCB-139/149 | 1.26 | 1.05-1.43 | y | 83.9 | 75.0-125 | PCB-172 | 1.05 | 0.89-1.21 | y | 46.2 | 37.5-62.5 |

Analyst: DB

Date: 4/10/18

NATIVE 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E2-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E2  S#1  Analysis Date: 10-APR-18 Time: 06:47:25

| ANALYTES | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| PCB-192 | 1.05 | 0.89-1.21 | y | 47.1 | 37.5-62.5 |
| PCB-180 | 1.05 | 0.89-1.21 | y | 46.1 | 37.5-62.5 |
| PCB-193 | 1.06 | 0.89-1.21 | y | 44.4 | 37.5-62.5 |
| PCB-191 | 1.06 | 0.89-1.21 | y | 45.9 | 37.5-62.5 |
| PCB-170 | 1.05 | 0.89-1.21 | y | 47.0 | 37.5-62.5 |
| PCB-190 | 1.04 | 0.89-1.21 | y | 47.2 | 37.5-62.5 |
| PCB-189 | 1.04 | 0.89-1.21 | y | 45.1 | 37.5-62.5 |
| PCB-202 | 0.89 | 0.76-1.02 | y | 45.7 | 37.5-62.5 |
| PCB-201 | 0.92 | 0.76-1.02 | y | 45.3 | 37.5-62.5 |
| PCB-204 | 0.85 | 0.76-1.02 | y | 44.7 | 37.5-62.5 |
| PCB-197 | 0.89 | 0.76-1.02 | y | 43.3 | 37.5-62.5 |
| PCB-200 | 0.89 | 0.76-1.02 | y | 44.6 | 37.5-62.5 |
| PCB-198 | 0.88 | 0.76-1.02 | y | 44.2 | 37.5-62.5 |
| PCB-199 | 0.89 | 0.76-1.02 | y | 44.5 | 37.5-62.5 |
| PCB-196/203 | 0.89 | 0.76-1.02 | y | 90.0 | 75.0-125 |
| PCB-195 | 0.91 | 0.76-1.02 | y | 43.4 | 37.5-62.5 |
| PCB-194 | 0.90 | 0.76-1.02 | y | 44.0 | 37.5-62.5 |
| PCB-205 | 0.90 | 0.76-1.02 | y | 46.4 | 37.5-62.5 |
| PCB-208 | 1.29 | 1.14-1.54 | y | 45.4 | 37.5-62.5 |
| PCB-207 | 1.31 | 1.14-1.54 | y | 47.1 | 37.5-62.5 |
| PCB-206 | 1.30 | 1.14-1.54 | y | 46.3 | 37.5-62.5 |
| PCB-209 | 1.18 | 0.99-1.33 | y | 45.1 | 37.5-62.5 |

Analyst: DB

Date: 4/10/18

LABELED 1668C CONTINUING CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory  Lab ID: ST180409E2-1  Instrument ID: VG-8

Initial Calibration Date: 2-8-18  ICal ID: PCBVG8-2-8-18  GC Column ID: ZB-1

VER Data Filename: 180409E2  S#1  Analysis Date: 10-APR-18 Time: 06:47:25

| LABELED IS | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| 13C-PCB-1 | 3.11 | 2.66-3.60 | y | 77.0 | 50.0-145 |
| 13C-PCB-3 | 3.08 | 2.66-3.60 | y | 76.8 | 50.0-145 |
| 13C-PCB-4 | 1.57 | 1.33-1.79 | y | 92.2 | 50.0-145 |
| 13C-PCB-9 | 1.51 | 1.33-1.79 | y | 98.0 | 50.0-145 |
| 13C-PCB-11 | 1.54 | 1.33-1.79 | y | 100.2 | 50.0-145 |
| 13C-PCB-19 | 1.05 | 0.88-1.20 | y | 105.7 | 50.0-145 |
| 13C-PCB-32 | 1.06 | 0.88-1.20 | y | 107.4 | 50.0-145 |
| 13C-PCB-28 | 1.08 | 0.88-1.20 | y | 115.7 | 50.0-145 |
| 13C-PCB-37 | 1.07 | 0.88-1.20 | y | 101.8 | 50.0-145 |
| 13C-PCB-54 | 0.79 | 0.65-0.89 | y | 108.3 | 50.0-145 |
| 13C-PCB-52 | 0.78 | 0.65-0.89 | y | 105.7 | 50.0-145 |
| 13C-PCB-47 | 0.80 | 0.65-0.89 | y | 105.2 | 50.0-145 |
| 13C-PCB-70 | 0.79 | 0.65-0.89 | y | 103.4 | 50.0-145 |
| 13C-PCB-80 | 0.80 | 0.65-0.89 | y | 101.9 | 50.0-145 |
| 13C-PCB-81 | 0.79 | 0.65-0.89 | y | 94.3 | 50.0-145 |
| 13C-PCB-77 | 0.79 | 0.65-0.89 | y | 93.5 | 50.0-145 |
| 13C-PCB-104 | 1.59 | 1.32-1.78 | y | 111.8 | 50.0-145 |
| 13C-PCB-95 | 1.58 | 1.32-1.78 | y | 110.3 | 50.0-145 |
| 13C-PCB-101 | 1.62 | 1.32-1.78 | y | 109.7 | 50.0-145 |
| 13C-PCB-97 | 1.60 | 1.32-1.78 | y | 102.3 | 50.0-145 |
| 13C-PCB-123 | 1.59 | 1.32-1.78 | y | 104.3 | 50.0-145 |
| 13C-PCB-118 | 1.59 | 1.32-1.78 | y | 104.6 | 50.0-145 |
| 13C-PCB-114 | 1.57 | 1.32-1.78 | y | 92.7 | 50.0-145 |
| 13C-PCB-105 | 1.57 | 1.32-1.78 | y | 95.8 | 50.0-145 |
| 13C-PCB-127 | 1.58 | 1.32-1.78 | y | 94.6 | 50.0-145 |
| 13C-PCB-126 | 1.57 | 1.32-1.78 | y | 95.8 | 50.0-145 |
| 13C-PCB-155 | 1.26 | 1.05-1.43 | y | 130.8 | 50.0-145 |
| 13C-PCB-153 | 1.26 | 1.05-1.43 | y | 98.2 | 50.0-145 |
| 13C-PCB-141 | 1.27 | 1.05-1.43 | y | 100.1 | 50.0-145 |
| 13C-PCB-138 | 1.27 | 1.05-1.43 | y | 100.1 | 50.0-145 |
| 13C-PCB-159 | 1.26 | 1.05-1.43 | y | 101.0 | 50.0-145 |
| 13C-PCB-167 | 1.25 | 1.05-1.43 | y | 101.5 | 50.0-145 |
| 13C-PCB-156 | 1.26 | 1.05-1.43 | y | 101.2 | 50.0-145 |
| 13C-PCB-157 | 1.28 | 1.05-1.43 | y | 101.6 | 50.0-145 |

| LABELED IS | ION ABUND. RATIO | QC LIMITS | PASS | CONC. FOUND | CONC. RANGE (ng/mL) |
|---|---|---|---|---|---|
| 13C-PCB-169 | 1.26 | 1.05-1.43 | y | 98.8 | 50 - 145 |
| 13C-PCB-188 | 0.45 | 0.38-0.52 | y | 97.2 | 50 - 145 |
| 13C-PCB-180 | 0.46 | 0.38-0.52 | y | 100.7 | 50 - 145 |
| 13C-PCB-170 | 0.47 | 0.38-0.52 | y | 102.0 | 50 - 145 |
| 13C-PCB-189 | 0.46 | 0.38-0.52 | y | 101.9 | 50 - 145 |
| 13C-PCB-202 | 0.91 | 0.76-1.02 | y | 117.3 | 50 - 145 |
| 13C-PCB-194 | 0.89 | 0.76-1.02 | y | 97.8 | 50 - 145 |
| 13C-PCB-208 | 0.78 | 0.65-0.89 | y | 102.7 | 50 - 145 |
| 13C-PCB-206 | 0.77 | 0.65-0.89 | y | 112.9 | 50 - 145 |
| 13C-PCB-209 | 1.20 | 0.99-1.33 | y | 133.8 | 50 - 145 |

CRS vs. RS

| | | | | | |
|---|---|---|---|---|---|
| 13C-PCB-79 | 0.79 | 0.65-0.89 | y | 97.4 | 75 - 125 |
| 13C-PCB-178 | 0.45 | 0.38-0.52 | y | 99.6 | 75 - 125 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E2 S:1 Acq:10-APR-18 06:47:25 ConCal: ST180409E2-1 
Lab ID: ST180409E2-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mono | PCB-1 | 1.40e+08 | 3.03 | y 15:59 | 1.07 | 49.14 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Mono | PCB-2 | 1.45e+08 | 3.02 | y 18:22 | 1.06 | 48.06 | | * | 2.5 | * | 0.988 | 0.983-0.993 |
| Mono | PCB-3 | 1.49e+08 | 3.01 | y 18:36 | 1.06 | 49.25 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-4/10 | 1.97e+08 | 1.58 | y 19:59 | 1.24 | 94.99 | | * | 2.5 | * | 1.003 | 0.998-1.008 |
| Di | PCB-7/9 | 2.55e+08 | 1.60 | y 21:47 | 0.99 | 90.99 | | * | 2.5 | * | 0.867 | 0.863-0.871 |
| Di | PCB-6 | 1.37e+08 | 1.57 | y 22:26 | 1.06 | 45.96 | | * | 2.5 | * | 0.893 | 0.888-0.897 |
| Di | PCB-5/8 | 2.73e+08 | 1.57 | y 22:51 | 1.03 | 94.03 | | * | 2.5 | * | 0.909 | 0.904-0.913 |
| Di | PCB-14 | 1.41e+08 | 1.59 | y 23:56 | 1.03 | 47.03 | | * | 2.5 | * | 0.953 | 0.948-0.958 |
| Di | PCB-11 | 1.48e+08 | 1.58 | y 25:09 | 1.11 | 45.98 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Di | PCB-12/13 | 2.70e+08 | 1.58 | y 25:32 | 1.02 | 91.36 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Di | PCB-15 | 1.51e+08 | 1.59 | y 25:51 | 1.05 | 49.24 | | * | 2.5 | * | 1.029 | 1.023-1.033 |
| Tri | PCB-19 | 1.06e+08 | 1.03 | y 24:07 | 1.20 | 44.08 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tri | PCB-30 | 1.69e+08 | 1.04 | y 25:01 | 1.93 | 43.56 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Tri | PCB-18 | 1.18e+08 | 1.03 | y 25:46 | 0.91 | 43.30 | | * | 2.5 | * | 0.954 | 0.948-0.958 |
| Tri | PCB-17 | 1.10e+08 | 1.03 | y 25:56 | 0.84 | 43.63 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-24/27 | 3.03e+08 | 1.03 | y 26:31 | 1.15 | 88.16 | | * | 2.5 | * | 0.981 | 0.977-0.986 |
| Tri | PCB-16/32 | 2.63e+08 | 1.03 | y 27:01 | 1.02 | 86.21 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tri | PCB-34 | 1.26e+08 | 1.06 | y 27:49 | 0.96 | 45.19 | | * | 2.5 | * | 0.960 | 0.955-0.965 |
| Tri | PCB-23 | 1.24e+08 | 1.03 | y 27:55 | 0.95 | 44.97 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Tri | PCB-29 | 1.21e+08 | 1.04 | y 28:10 | 0.96 | 43.30 | | * | 2.5 | * | 0.972 | 0.966-0.976 |
| Tri | PCB-26 | 1.26e+08 | 1.04 | y 28:22 | 1.00 | 42.98 | | * | 2.5 | * | 0.979 | 0.974-0.984 |
| Tri | PCB-25 | 1.32e+08 | 1.05 | y 28:33 | 1.06 | 42.90 | | * | 2.5 | * | 0.985 | 0.980-0.990 |
| Tri | PCB-31 | 1.38e+08 | 1.19 | y 28:54 | 1.10 | 43.07 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Tri | PCB-28 | 1.47e+08 | 0.93 | y 29:00 | 1.14 | 44.44 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Tri | PCB-20/21/33 | 3.72e+08 | 1.04 | y 29:36 | 1.00 | 128.4 | | * | 2.5 | * | 1.021 | 1.017-1.027 |
| Tri | PCB-22 | 1.37e+08 | 1.03 | y 30:04 | 1.09 | 43.18 | | * | 2.5 | * | 1.037 | 1.032-1.042 |
| Tri | PCB-36 | 1.33e+08 | 1.04 | y 30:40 | 1.15 | 46.45 | | * | 2.5 | * | 0.933 | 0.929-0.939 |
| Tri | PCB-39 | 1.24e+08 | 1.03 | y 31:08 | 1.07 | 46.69 | | * | 2.5 | * | 0.947 | 0.943-0.953 |
| Tri | PCB-38 | 1.29e+08 | 1.05 | y 31:55 | 1.10 | 46.97 | | * | 2.5 | * | 0.971 | 0.966-0.976 |
| Tri | PCB-35 | 1.34e+08 | 1.05 | y 32:26 | 1.12 | 47.84 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tri | PCB-37 | 1.29e+08 | 1.04 | y 32:53 | 1.11 | 46.41 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-54 | 1.46e+08 | 0.78 | y 27:52 | 1.07 | 47.40 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-50 | 1.17e+08 | 0.78 | y 29:03 | 0.87 | 46.73 | | * | 2.5 | * | 1.043 | 1.038-1.048 |
| Tetra | PCB-53 | 1.09e+08 | 0.77 | y 29:42 | 1.01 | 46.93 | | * | 2.5 | * | 0.946 | 0.940-0.950 |
| Tetra | PCB-51 | 1.18e+08 | 0.77 | y 30:02 | 1.10 | 46.59 | | * | 2.5 | * | 0.957 | 0.952-0.962 |
| Tetra | PCB-45 | 9.15e+07 | 0.78 | y 30:27 | 0.87 | 45.58 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-46 | 8.81e+07 | 0.78 | y 30:57 | 0.84 | 45.72 | | * | 2.5 | * | 0.986 | 0.980-0.990 |

Integrations by:

Analyst: DB

Date: 4/10/18

Reviewed by: CT Date: 4/12/18

Client ID: PCB CS3 17L3006 Filename: 180409E2 S:1 Acq:10-APR-18 06:47:25 ConCal: ST180409E2-1 
Lab ID: ST180409E2-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-10 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetra | PCB-52/69 | 2.50e+08 | 0.78 | y 31:26 | 1.21 | 89.45 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Tetra | PCB-73 | 1.60e+08 | 0.77 | y 31:33 | 1.45 | 47.83 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Tetra | PCB-43/49 | 2.17e+08 | 0.78 | y 31:43 | 1.01 | 93.16 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Tetra | PCB-47 | 1.09e+08 | 0.76 | y 31:55 | 0.91 | 48.10 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-48/75 | 2.60e+08 | 0.77 | y 32:02 | 1.13 | 91.72 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Tetra | PCB-65 | 1.37e+08 | 0.77 | y 32:18 | 1.27 | 43.13 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Tetra | PCB-62 | 1.38e+08 | 0.78 | y 32:25 | 1.10 | 50.23 | | * | 2.5 | * | 1.016 | 1.011-1.021 |
| Tetra | PCB-44 | 1.01e+08 | 0.78 | y 32:43 | 0.85 | 47.24 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Tetra | PCB-42/59 | 2.31e+08 | 0.78 | y 32:56 | 1.02 | 90.43 | | * | 2.5 | * | 1.032 | 1.027-1.037 |
| Tetra | PCB-41/64/71/72 | 5.31e+08 | 0.78 | y 33:32 | 1.17 | 182.3 | | * | 2.5 | * | 1.051 | 1.046-1.056 |
| Tetra | PCB-68 | 1.41e+08 | 0.77 | y 33:47 | 1.28 | 44.19 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Tetra | PCB-40 | 7.21e+07 | 0.78 | y 33:60 | 0.62 | 46.20 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Tetra | PCB-57 | 1.49e+08 | 0.77 | y 34:22 | 1.13 | 44.71 | | * | 2.5 | * | 0.970 | 0.965-0.975 |
| Tetra | PCB-67 | 1.48e+08 | 0.77 | y 34:41 | 1.10 | 45.65 | | * | 2.5 | * | 0.979 | 0.973-0.983 |
| Tetra | PCB-58 | 1.48e+08 | 0.78 | y 34:48 | 1.12 | 44.71 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Tetra | PCB-63 | 1.31e+08 | 0.78 | y 34:57 | 1.00 | 44.61 | | * | 2.5 | * | 0.987 | 0.981-0.991 |
| Tetra | PCB-74 | 1.59e+08 | 0.77 | y 35:14 | 1.18 | 45.51 | | * | 2.5 | * | 0.995 | 0.989-0.999 |
| Tetra | PCB-61/70 | 2.73e+08 | 0.78 | y 35:24 | 1.03 | 90.11 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Tetra | PCB-76/66 | 3.03e+08 | 0.77 | y 35:37 | 1.13 | 90.84 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Tetra | PCB-80 | 1.59e+08 | 0.78 | y 35:52 | 1.19 | 45.93 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-55 | 1.57e+08 | 0.77 | y 36:11 | 1.16 | 46.68 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Tetra | PCB-56/60 | 2.72e+08 | 0.77 | y 36:40 | 1.04 | 90.14 | | * | 2.5 | * | 1.023 | 1.018-1.028 |
| Tetra | PCB-79 | 1.47e+08 | 0.77 | y 37:45 | 1.17 | 43.54 | | * | 2.5 | * | 1.053 | 1.047-1.057 |
| Tetra | PCB-78 | 1.40e+08 | 0.78 | y 38:26 | 1.10 | 46.86 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Tetra | PCB-81 | 1.26e+08 | 0.77 | y 38:58 | 0.97 | 48.07 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Tetra | PCB-77 | 1.28e+08 | 0.79 | y 39:33 | 1.08 | 46.30 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-104 | 1.06e+08 | 1.55 | y 32:35 | 1.08 | 42.30 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-96 | 1.13e+08 | 1.58 | y 33:50 | 1.13 | 42.81 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Penta | PCB-103 | 8.86e+07 | 1.58 | y 34:23 | 0.91 | 41.98 | | * | 2.5 | * | 1.056 | 1.051-1.061 |
| Penta | PCB-100 | 9.23e+07 | 1.57 | y 34:44 | 0.93 | 42.90 | | * | 2.5 | * | 1.067 | 1.062-1.072 |
| Penta | PCB-94 | 7.14e+07 | 1.56 | y 35:12 | 0.91 | 42.72 | | * | 2.5 | * | 0.985 | 0.981-0.991 |
| Penta | PCB-95/98/102 | 2.75e+08 | 1.56 | y 35:41 | 1.17 | 128.5 | | * | 2.5 | * | 0.999 | 0.994-1.004 |
| Penta | PCB-93 | 7.24e+07 | 1.61 | y 35:49 | 0.93 | 42.80 | | * | 2.5 | * | 1.003 | 0.997-1.007 |
| Penta | PCB-88/91 | 1.52e+08 | 1.56 | y 36:06 | 0.97 | 85.32 | | * | 2.5 | * | 1.011 | 1.005-1.015 |
| Penta | PCB-121 | 1.31e+08 | 1.59 | y 36:13 | 1.68 | 42.51 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-84/92 | 1.52e+08 | 1.56 | y 37:03 | 0.97 | 85.76 | | * | 2.5 | * | 0.990 | 0.985-0.995 |
| Penta | PCB-89 | 8.33e+07 | 1.58 | y 37:13 | 1.06 | 43.07 | | * | 2.5 | * | 0.995 | 0.990-1.000 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E2 S:1 Acq:10-APR-18 06:47:25 ConCal: ST180409E2-1 
Lab ID: ST180409E2-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Penta | PCB-90/101 | 1.65e+08 | 1.57 | y 37:25 | 1.08 | 84.32 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-113 | 1.09e+08 | 1.57 | y 37:39 | 1.48 | 40.47 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Penta | PCB-99 | 1.00e+08 | 1.59 | y 37:45 | 1.25 | 43.91 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Penta | PCB-119 | 1.09e+08 | 1.57 | y 38:12 | 1.70 | 43.14 | | * | 2.5 | * | 0.987 | 0.982-0.992 |
| Penta | PCB-108/112 | 1.83e+08 | 1.56 | y 38:21 | 1.40 | 88.03 | | * | 2.5 | * | 0.991 | 0.986-0.996 |
| Penta | PCB-83 | 1.13e+08 | 1.56 | y 38:32 | 1.75 | 43.50 | | * | 2.5 | * | 0.996 | 0.990-1.000 |
| Penta | PCB-97 | 7.65e+07 | 1.57 | y 38:43 | 1.17 | 43.93 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-86 | 7.62e+07 | 1.54 | y 38:52 | 1.08 | 47.54 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-87/117/125 | 2.91e+08 | 1.57 | y 39:00 | 1.55 | 126.5 | | * | 2.5 | * | 1.008 | 1.002-1.012 |
| Penta | PCB-111/115 | 2.27e+08 | 1.56 | y 39:09 | 1.79 | 85.39 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Penta | PCB-85/116 | 1.63e+08 | 1.59 | y 39:16 | 1.29 | 85.17 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Penta | PCB-120 | 1.23e+08 | 1.57 | y 39:32 | 1.98 | 42.01 | | * | 2.5 | * | 1.021 | 1.016-1.026 |
| Penta | PCB-110 | 1.06e+08 | 1.58 | y 39:40 | 1.69 | 42.64 | | * | 2.5 | * | 1.025 | 1.020-1.030 |
| Penta | PCB-82 | 6.92e+07 | 1.56 | y 40:16 | 0.81 | 42.16 | | * | 2.5 | * | 0.976 | 0.972-0.982 |
| Penta | PCB-124 | 1.16e+08 | 1.74 | y 40:58 | 1.30 | 44.11 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Penta | PCB-107/109 | 2.25e+08 | 1.48 | y 41:06 | 1.31 | 84.11 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Penta | PCB-123 | 1.00e+08 | 1.59 | y 41:16 | 1.12 | 44.01 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Penta | PCB-106/118 | 2.25e+08 | 1.56 | y 41:29 | 1.18 | 88.68 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Penta | PCB-114 | 9.50e+07 | 1.54 | y 42:06 | 1.11 | 44.79 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-122 | 8.95e+07 | 1.57 | y 42:15 | 1.03 | 45.69 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Penta | PCB-105 | 9.74e+07 | 1.54 | y 42:59 | 1.12 | 45.63 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Penta | PCB-127 | 1.04e+08 | 1.57 | y 43:19 | 1.12 | 45.57 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Penta | PCB-126 | 1.03e+08 | 1.55 | y 45:13 | 1.20 | 45.45 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-155 | 9.42e+07 | 1.27 | y 36:58 | 0.99 | 42.81 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-150 | 9.58e+07 | 1.27 | y 38:13 | 1.02 | 41.91 | | * | 2.5 | * | 1.034 | 1.030-1.040 |
| Hexa | PCB-152 | 1.06e+08 | 1.27 | y 38:42 | 1.16 | 40.98 | | * | 2.5 | * | 1.047 | 1.042-1.052 |
| Hexa | PCB-145 | 1.01e+08 | 1.26 | y 39:09 | 1.13 | 40.19 | | * | 2.5 | * | 1.059 | 1.054-1.064 |
| Hexa | PCB-136 | 8.99e+07 | 1.27 | y 39:28 | 1.02 | 39.43 | | * | 2.5 | * | 1.068 | 1.063-1.073 |
| Hexa | PCB-148 | 7.03e+07 | 1.26 | y 39:35 | 0.77 | 40.79 | | * | 2.5 | * | 1.071 | 1.066-1.076 |
| Hexa | PCB-154 | 7.78e+07 | 1.28 | y 40:05 | 0.88 | 39.87 | | * | 2.5 | * | 1.085 | 1.079-1.089 |
| Hexa | PCB-151 | 6.88e+07 | 1.27 | y 40:42 | 0.75 | 41.02 | | * | 2.5 | * | 1.102 | 1.095-1.107 |
| Hexa | PCB-135 | 8.03e+07 | 1.25 | y 40:56 | 0.86 | 41.87 | | * | 2.5 | * | 1.108 | 1.101-1.113 |
| Hexa | PCB-144 | 7.01e+07 | 1.27 | y 41:02 | 0.77 | 41.07 | | * | 2.5 | * | 1.111 | 1.105-1.116 |
| Hexa | PCB-147 | 7.43e+07 | 1.28 | y 41:10 | 0.80 | 41.43 | | * | 2.5 | * | 1.114 | 1.108-1.120 |
| Hexa | PCB-139/149 | 1.65e+08 | 1.26 | y 41:25 | 0.88 | 83.86 | | * | 2.5 | * | 1.121 | 1.115-1.127 |
| Hexa | PCB-140 | 7.08e+07 | 1.26 | y 41:37 | 0.77 | 41.27 | | * | 2.5 | * | 1.126 | 1.120-1.132 |
| Hexa | PCB-134/143 | 1.62e+08 | 1.23 | y 42:03 | 0.76 | 92.98 | | * | 2.5 | * | 0.975 | 0.970-0.980 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E2 S:1 Acq:10-APR-18 06:47:25 ConCal: ST180409E2-1 
Lab ID: ST180409E2-1 GC Column 1D: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexa | PCB-131/133 | 1.75e+08 | 1.23 | y 42:20 | 0.82 | 94.24 | | * | 2.5 | * | 0.982 | 0.977-0.987 |
| Hexa | PCB-142 | 7.90e+07 | 1.25 | y 42:30 | 0.73 | 47.34 | | * | 2.5 | * | 0.985 | 0.981-0.991 |
| Hexa | PCB-146/165 | 2.17e+08 | 1.24 | y 42:43 | 1.02 | 93.38 | | * | 2.5 | * | 0.990 | 0.986-0.996 |
| Hexa | PCB-132/161 | 2.17e+08 | 1.24 | y 42:59 | 1.00 | 94.80 | | * | 2.5 | * | 0.997 | 0.992-1.002 |
| Hexa | PCB-153 | 1.17e+08 | 1.25 | y 43:09 | 1.08 | 47.83 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-168 | 1.15e+08 | 1.26 | y 43:22 | 1.12 | 45.12 | | * | 2.5 | * | 1.006 | 1.000-1.010 |
| Hexa | PCB-141 | 9.21e+07 | 1.24 | y 43:53 | 1.02 | 46.98 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-137 | 9.50e+07 | 1.22 | y 44:15 | 1.10 | 44.72 | | * | 2.5 | * | 1.009 | 1.004-1.014 |
| Hexa | PCB-130 | 7.69e+07 | 1.23 | y 44:22 | 0.81 | 49.52 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Hexa | PCB-138/163/164 | 3.54e+08 | 1.24 | y 44:44 | 1.23 | 140.5 | | * | 2.5 | * | 1.001 | 0.996-1.006 |
| Hexa | PCB-158/160 | 2.28e+08 | 1.24 | y 44:59 | 1.18 | 94.43 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Hexa | PCB-129 | 7.46e+07 | 1.24 | y 45:13 | 0.78 | 46.74 | | * | 2.5 | * | 1.012 | 1.007-1.017 |
| Hexa | PCB-166 | 1.30e+08 | 1.23 | y 45:39 | 1.13 | 47.26 | | * | 2.5 | * | 0.993 | 0.988-0.998 |
| Hexa | PCB-159 | 1.36e+08 | 1.22 | y 46:00 | 1.16 | 48.23 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-128/162 | 2.04e+08 | 1.23 | y 46:16 | 0.89 | 93.85 | | * | 2.5 | * | 1.006 | 1.002-1.012 |
| Hexa | PCB-167 | 1.18e+08 | 1.24 | y 46:41 | 1.02 | 46.91 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hexa | PCB-156 | 1.18e+08 | 1.22 | y 47:58 | 1.06 | 45.70 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hexa | PCB-157 | 1.15e+08 | 1.24 | y 48:14 | 1.02 | 46.43 | | * | 2.5 | * | 1.000 | 0.996-1.006 |
| Hexa | PCB-169 | 1.25e+08 | 1.25 | y 50:26 | 1.13 | 46.43 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-188 | 1.16e+08 | 1.05 | y 42:47 | 1.37 | 45.48 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Hepta | PCB-184 | 1.13e+08 | 1.04 | y 43:14 | 1.32 | 46.44 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Hepta | PCB-179 | 1.18e+08 | 1.04 | y 43:60 | 1.38 | 46.03 | | * | 2.5 | * | 1.029 | 1.024-1.034 |
| Hepta | PCB-176 | 1.11e+08 | 1.05 | y 44:28 | 1.31 | 45.96 | | * | 2.5 | * | 1.040 | 1.035-1.045 |
| Hepta | PCB-186 | 1.24e+08 | 1.05 | y 45:04 | 1.42 | 47.09 | | * | 2.5 | * | 1.054 | 1.049-1.059 |
| Hepta | PCB-178 | 8.45e+07 | 1.04 | y 45:33 | 0.97 | 47.13 | | * | 2.5 | * | 1.066 | 1.060-1.070 |
| Hepta | PCB-175 | 8.76e+07 | 1.04 | y 45:54 | 1.00 | 47.41 | | * | 2.5 | * | 1.074 | 1.069-1.079 |
| Hepta | PCB-182/187 | 2.02e+08 | 1.05 | y 46:05 | 1.14 | 95.71 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Hepta | PCB-183 | 9.99e+07 | 1.05 | y 46:24 | 1.13 | 47.85 | | * | 2.5 | * | 1.085 | 1.080-1.090 |
| Hepta | PCB-185 | 8.50e+07 | 1.04 | y 47:03 | 1.36 | 46.82 | | * | 2.5 | * | 0.956 | 0.950-0.960 |
| Hepta | PCB-174 | 8.45e+07 | 1.04 | y 47:24 | 1.42 | 44.61 | | * | 2.5 | * | 0.963 | 0.958-0.968 |
| Hepta | PCB-181 | 9.55e+07 | 1.07 | y 47:31 | 1.48 | 48.35 | | * | 2.5 | * | 0.965 | 0.960-0.970 |
| Hepta | PCB-177 | 8.32e+07 | 1.04 | y 47:41 | 1.33 | 46.79 | | * | 2.5 | * | 0.969 | 0.963-0.973 |
| Hepta | PCB-171 | 8.30e+07 | 1.05 | y 47:59 | 1.37 | 45.25 | | * | 2.5 | * | 0.974 | 0.969-0.979 |
| Hepta | PCB-173 | 7.72e+07 | 1.06 | y 48:24 | 1.27 | 45.44 | | * | 2.5 | * | 0.983 | 0.978-0.988 |
| Hepta | PCB-172 | 8.57e+07 | 1.05 | y 48:51 | 1.39 | 46.15 | | * | 2.5 | * | 0.992 | 0.987-0.997 |
| Hepta | PCB-192 | 1.14e+08 | 1.05 | y 49:03 | 1.80 | 47.15 | | * | 2.5 | * | 0.996 | 0.991-1.001 |
| Hepta | PCB-180 | 9.37e+07 | 1.05 | y 49:16 | 1.52 | 46.14 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E2 S:1 Acq:10-APR-18 06:47:25 ConCal: ST180409E2-1
Lab ID: ST180409E2-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.000 EndCAL: NA

| Type | Name | Resp | RA | RT | RRF | Conc | Qual | noise | Fac | DL | RRT | LCL UCL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepta | PCB-193 | 1.02e+08 | 1.06 | y 49:28 | 1.71 | 44.43 | | * | 2.5 | * | 1.005 | 0.999-1.009 |
| Hepta | PCB-191 | 1.07e+08 | 1.06 | y 49:43 | 1.74 | 45.87 | | * | 2.5 | * | 1.010 | 1.005-1.015 |
| Hepta | PCB-170 | 8.05e+07 | 1.05 | y 50:51 | 1.44 | 47.04 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Hepta | PCB-190 | 1.10e+08 | 1.04 | y 51:03 | 1.95 | 47.23 | | * | 2.5 | * | 1.004 | 0.999-1.009 |
| Hepta | PCB-189 | 1.05e+08 | 1.04 | y 52:29 | 1.46 | 45.14 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-202 | 9.91e+07 | 0.89 | y 48:11 | 1.06 | 45.72 | | * | 2.5 | * | 1.001 | 0.995-1.005 |
| Octa | PCB-201 | 9.07e+07 | 0.92 | y 48:40 | 0.98 | 45.34 | | * | 2.5 | * | 1.011 | 1.006-1.016 |
| Octa | PCB-204 | 9.78e+07 | 0.85 | y 48:50 | 1.07 | 44.66 | | * | 2.5 | * | 1.014 | 1.009-1.019 |
| Octa | PCB-197 | 9.73e+07 | 0.89 | y 49:07 | 1.10 | 43.33 | | * | 2.5 | * | 1.020 | 1.015-1.025 |
| Octa | PCB-200 | 9.49e+07 | 0.89 | y 50:02 | 1.04 | 44.55 | | * | 2.5 | * | 1.039 | 1.034-1.044 |
| Octa | PCB-198 | 7.60e+07 | 0.88 | y 51:31 | 0.84 | 44.25 | | * | 2.5 | * | 1.070 | 1.065-1.075 |
| Octa | PCB-199 | 7.28e+07 | 0.89 | y 51:38 | 0.80 | 44.52 | | * | 2.5 | * | 1.072 | 1.067-1.077 |
| Octa | PCB-196/203 | 1.55e+08 | 0.89 | y 51:55 | 0.84 | 90.04 | | * | 2.5 | * | 1.078 | 1.072-1.082 |
| Octa | PCB-195 | 6.06e+07 | 0.91 | y 53:09 | 1.04 | 43.37 | | * | 2.5 | * | 0.984 | 0.979-0.989 |
| Octa | PCB-194 | 6.88e+07 | 0.90 | y 54:02 | 1.16 | 44.02 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Octa | PCB-205 | 8.34e+07 | 0.90 | y 54:19 | 1.33 | 46.42 | | * | 2.5 | * | 1.005 | 1.000-1.010 |
| Nona | PCB-208 | 8.18e+07 | 1.29 | y 53:18 | 0.90 | 45.36 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Nona | PCB-207 | 8.42e+07 | 1.31 | y 53:37 | 0.89 | 47.10 | | * | 2.5 | * | 1.006 | 1.001-1.011 |
| Nona | PCB-206 | 6.68e+07 | 1.30 | y 55:36 | 0.88 | 46.32 | | * | 2.5 | * | 1.000 | 0.995-1.005 |
| Deca | PCB-209 | 8.29e+07 | 1.18 | y 56:56 | 1.04 | 45.07 | | * | 2.5 | * | 1.000 | 0.995-1.005 |

Analyst: DB

Date: 4/10/18

Client ID: PCB CS3 17L3006 Filename: 180409E2 S:1 Acq:10-APR-18 06:47:25 ConCal: ST180409E2-1
Lab ID: ST180409E2-1 GC Column ID: ZB-1 ICal: PCBVG6-2-8-18 wt/vol:1.0000 EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 2.66e+08 | 3.11 y | 1.13 | 15:58 | 0.618 | 0.616 | 0.622 | 77.0 | 77.0 |
| 13C-PCB-3 | 2.85e+08 | 3.08 y | 1.21 | 18:35 | 0.720 | 0.716 | 0.724 | 76.8 | 76.8 |
| 13C-PCB-4 | 1.68e+08 | 1.57 y | 0.59 | 19:56 | 0.772 | 0.769 | 0.777 | 92.2 | 92.2 |
| 13C-PCB-9 | 2.82e+08 | 1.51 y | 0.94 | 21:44 | 0.841 | 0.837 | 0.845 | 98.0 | 98.0 |
| 13C-PCB-11 | 2.90e+08 | 1.54 y | 0.95 | 25:07 | 0.973 | 0.968 | 0.978 | 100 | 100 |
| 13C-PCB-19 | 2.02e+08 | 1.05 y | 0.62 | 24:05 | 0.933 | 0.928 | 0.938 | 106 | 106 |
| 13C-PCB-28 | 2.91e+08 | 1.08 y | 1.05 | 28:59 | 1.004 | 0.999 | 1.009 | 116 | 116 |
| 13C-PCB-32 | 2.99e+08 | 1.06 y | 0.91 | 27:01 | 1.046 | 1.041 | 1.051 | 107 | 107 |
| 13C-PCB-37 | 2.49e+08 | 1.07 y | 1.02 | 32:52 | 1.138 | 1.132 | 1.144 | 102 | 102 |
| 13C-PCB-47 | 2.50e+08 | 0.80 y | 0.83 | 31:55 | 0.871 | 0.867 | 0.875 | 105 | 105 |
| 13C-PCB-52 | 2.30e+08 | 0.78 y | 0.76 | 31:24 | 0.857 | 0.853 | 0.861 | 106 | 106 |
| 13C-PCB-54 | 2.87e+08 | 0.79 y | 0.93 | 27:51 | 0.760 | 0.756 | 0.764 | 108 | 108 |
| 13C-PCB-70 | 2.94e+08 | 0.79 y | 1.00 | 35:25 | 0.966 | 0.961 | 0.971 | 103 | 103 |
| 13C-PCB-77 | 2.56e+08 | 0.79 y | 0.96 | 39:32 | 1.079 | 1.073 | 1.083 | 93.5 | 93.5 |
| 13C-PCB-80 | 2.90e+08 | 0.80 y | 1.00 | 35:51 | 0.978 | 0.973 | 0.983 | 102 | 102 |
| 13C-PCB-81 | 2.71e+08 | 0.79 y | 1.01 | 38:57 | 1.063 | 1.057 | 1.067 | 94.3 | 94.3 |
| 13C-PCB-95 | 1.83e+08 | 1.58 y | 0.80 | 35:43 | 0.913 | 0.908 | 0.918 | 110 | 110 |
| 13C-PCB-97 | 1.48e+08 | 1.60 y | 0.70 | 38:42 | 0.989 | 0.984 | 0.994 | 102 | 102 |
| 13C-PCB-101 | 1.82e+08 | 1.62 y | 0.80 | 37:25 | 0.956 | 0.951 | 0.961 | 110 | 110 |
| 13C-PCB-104 | 2.33e+08 | 1.59 y | 1.01 | 32:33 | 0.832 | 0.828 | 0.836 | 112 | 112 |
| 13C-PCB-105 | 1.90e+08 | 1.57 y | 1.14 | 42:57 | 0.929 | 0.924 | 0.934 | 95.8 | 95.8 |
| 13C-PCB-114 | 1.91e+08 | 1.57 y | 1.18 | 42:06 | 0.910 | 0.905 | 0.915 | 92.7 | 92.7 |
| 13C-PCB-118 | 2.15e+08 | 1.59 y | 1.00 | 41:27 | 1.059 | 1.054 | 1.064 | 105 | 105 |
| 13C-PCB-123 | 2.03e+08 | 1.59 y | 0.95 | 41:16 | 1.054 | 1.049 | 1.059 | 104 | 104 |
| 13C-PCB-126 | 1.89e+08 | 1.57 y | 1.14 | 45:12 | 0.977 | 0.972 | 0.982 | 95.8 | 95.8 |
| 13C-PCB-127 | 2.04e+08 | 1.58 y | 1.24 | 43:18 | 0.936 | 0.931 | 0.941 | 94.6 | 94.6 |
| 13C-PCB-138 | 2.04e+08 | 1.27 y | 1.17 | 44:42 | 0.967 | 0.962 | 0.972 | 100 | 100 |
| 13C-PCB-141 | 1.93e+08 | 1.27 y | 1.11 | 43:52 | 0.948 | 0.944 | 0.954 | 100 | 100 |
| 13C-PCB-153 | 2.28e+08 | 1.26 y | 1.34 | 43:08 | 0.933 | 0.928 | 0.938 | 98.2 | 98.2 |
| 13C-PCB-155 | 2.23e+08 | 1.26 y | 0.83 | 36:57 | 0.944 | 0.939 | 0.949 | 131 | 131 |
| 13C-PCB-156 | 2.43e+08 | 1.26 y | 1.38 | 47:57 | 1.037 | 1.032 | 1.042 | 101 | 101 |
| 13C-PCB-157 | 2.42e+08 | 1.28 y | 1.37 | 48:13 | 1.043 | 1.037 | 1.047 | 102 | 102 |
| 13C-PCB-159 | 2.44e+08 | 1.26 y | 1.39 | 45:59 | 0.994 | 0.989 | 0.999 | 101 | 101 |
| 13C-PCB-167 | 2.47e+08 | 1.25 y | 1.40 | 46:39 | 1.009 | 1.004 | 1.014 | 102 | 102 |
| 13C-PCB-169 | 2.39e+08 | 1.26 y | 1.39 | 50:26 | 1.091 | 1.085 | 1.095 | 98.8 | 98.8 |
| 13C-PCB-170 | 1.19e+08 | 0.47 y | 0.86 | 50:50 | 1.103 | 1.097 | 1.109 | 102 | 102 |
| 13C-PCB-180 | 1.34e+08 | 0.46 y | 0.98 | 49:14 | 1.069 | 1.064 | 1.074 | 101 | 101 |
| 13C-PCB-188 | 1.85e+08 | 0.45 y | 1.40 | 42:45 | 0.928 | 0.923 | 0.933 | 97.2 | 97.2 |
| 13C-PCB-189 | 1.59e+08 | 0.46 y | 1.15 | 52:27 | 1.138 | 1.132 | 1.144 | 102 | 102 |
| 13C-PCB-194 | 1.35e+08 | 0.89 y | 0.77 | 54:02 | 0.995 | 0.990 | 1.000 | 97.8 | 97.8 |
| 13C-PCB-202 | 2.05e+08 | 0.91 y | 1.28 | 48:10 | 1.045 | 1.040 | 1.050 | 117 | 117 |
| 13C-PCB-206 | 1.64e+08 | 0.77 y | 0.81 | 55:35 | 1.024 | 1.019 | 1.029 | 113 | 113 |
| 13C-PCB-208 | 2.01e+08 | 0.78 y | 1.09 | 53:17 | 0.981 | 0.977 | 0.987 | 103 | 103 |
| 13C-PCB-209 | 1.77e+08 | 1.20 y | 0.74 | 56:55 | 1.048 | 1.043 | 1.053 | 134 | 134 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 2.87e+08 | 0.79 y | 1.03 | 37:43 | 1.029 | 1.024 | 1.034 | 97.4 | 97.4 |
| 13C-PCB-178 | 1.26e+08 | 0.45 y | 0.93 | 45:32 | 0.985 | 0.980 | 0.990 | 99.6 | 99.6 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL | UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 2.87e+08 | 0.79 y | 1.03 | 37:43 | 0.969 | 0.963 | 0.973 | 103 | 103 |
| 13C-PCB-178 | 1.26e+08 | 0.45 y | 0.95 | 45:32 | 0.925 | 0.920 | 0.930 | 98.8 | 98.8 |

RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 3.06e+08 | 1.55 y | 1.00 | 25:50 | 100 |
| 13C-PCB-31 | 2.40e+08 | 1.07 y | 1.00 | 28:53 | 100 |
| 13C-PCB-60 | 2.85e+08 | 0.79 y | 1.00 | 36:39 | 100 |
| 13C-PCB-111 | 2.06e+08 | 1.60 y | 1.00 | 39:09 | 100 |
| 13C-PCB-128 | 1.74e+08 | 1.28 y | 1.00 | 46:15 | 100 |
| 13C-PCB-182 | 1.36e+08 | 0.46 y | 1.00 | 46:05 | 100 |
| 13C-PCB-205 | 1.79e+08 | 0.90 y | 1.00 | 54:18 | 100 |

Analyst: DB

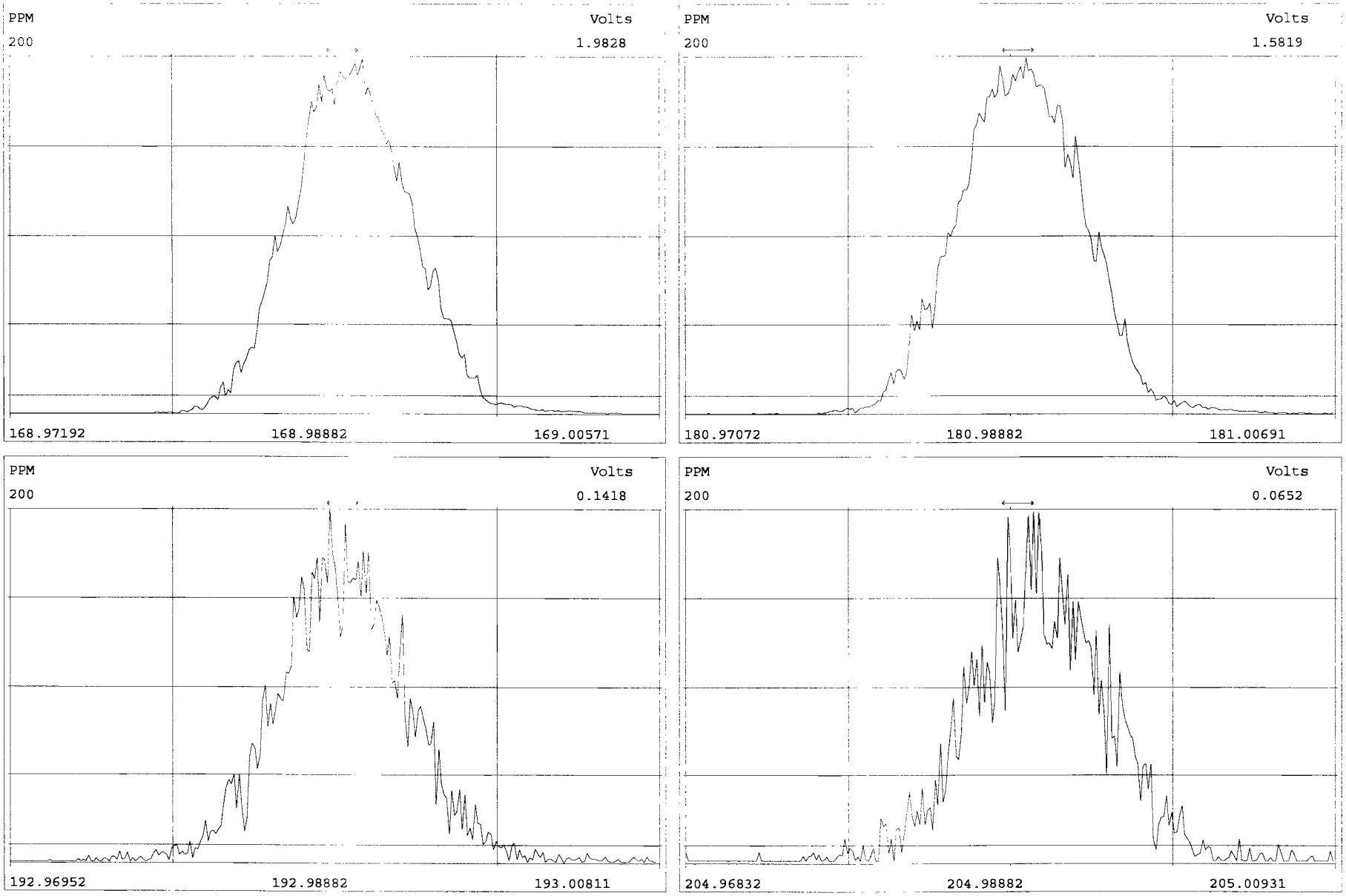
Date: 4/10/18

Vista Analytical Laboratory - Injection Log Run file: 180409E2 Instrument ID: VG-8 GC Column ID: ZB-1

| Data file | S# | Sample ID | Analyst | Acq date | Acq time | CCal | ECal |
|---|---|---|---|---|---|---|---|
| 180409E2 | 1 | ST180409E2-1 | DB | 10-APR-18 | 06:47:25 | ST180409E2-1 | NA |
| 180409E2 | 2 | SOLVENT BLANK | DB | 10-APR-18 | 07:52:34 | ST180409E2-1 | NA |
| 180409E2 | 3 | 1701560-07 | DB | 10-APR-18 | 08:57:40 | ST180409E2-1 | NA |
| 180409E2 | 4 | 1701613-01 | DB | 10-APR-18 | 10:02:47 | ST180409E2-1 | NA |
| 180409E2 | 5 | 1701613-02 | DB | 10-APR-18 | 11:07:54 | ST180409E2-1 | NA |
| 180409E2 | 6 | 1701613-03 | DB | 10-APR-18 | 12:13:05 | ST180409E2-1 | NA |
| 180409E2 | 7 | 1701613-04 | DB | 10-APR-18 | 13:18:15 | ST180409E2-1 | NA |
| 180409E2 | 8 | 1701613-05 | DB | 10-APR-18 | 14:23:26 | ST180409E2-1 | NA |
| 180409E2 | 9 | 1701667-01 | DB | 10-APR-18 | 15:28:36 | ST180409E2-1 | NA |
| 180409E2 | 10 | 1701667-02 | DB | 10-APR-18 | 16:33:47 | ST180409E2-1 | NA |
| 180409E2 | 11 | 1701667-03 | DB | 10-APR-18 | 17:38:57 | ST180409E2-1 | NA |
| 180409E2 | 12 | 1701755-01 | DB | 10-APR-18 | 18:44:07 | ST180409E2-1 | NA |

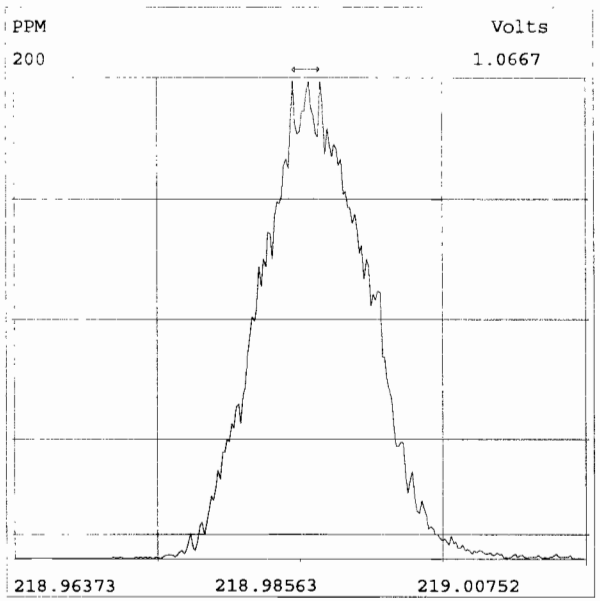
Peak Locate Examination:10-APR-2018:06:42 File:RES_CHECK

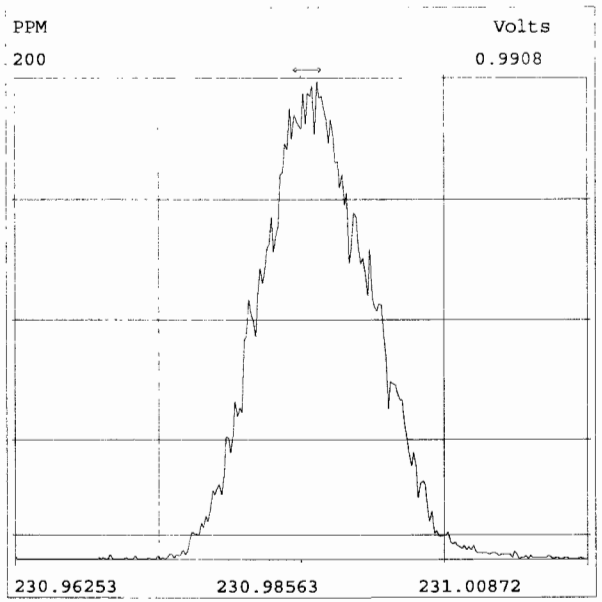
Experiment:PCB_ZB1 Function:1 Reference:PFK

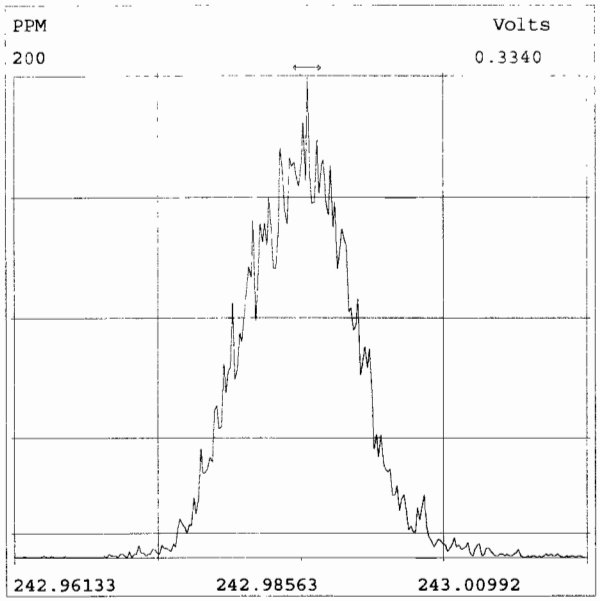


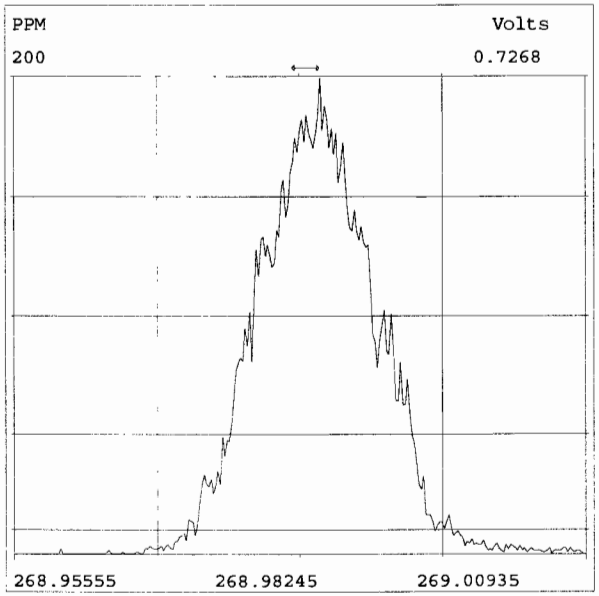
Peak Locate Examination:10-APR-2018:06:43 File:RES_CHECK

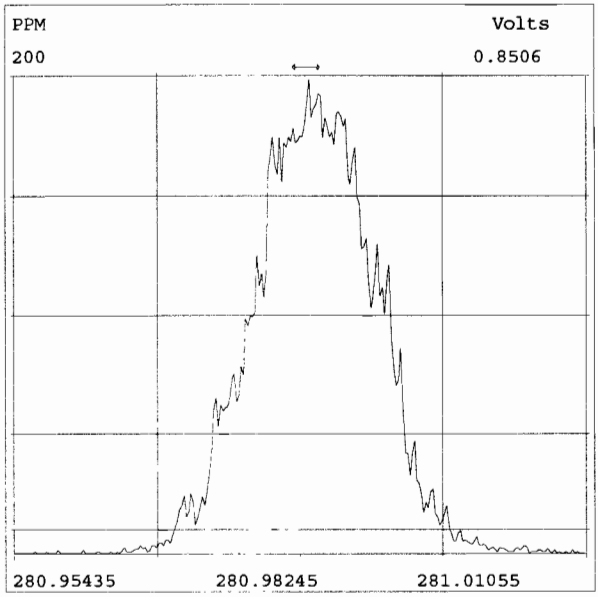
Experiment:PCB_ZB1 Function:2 Reference:PFK



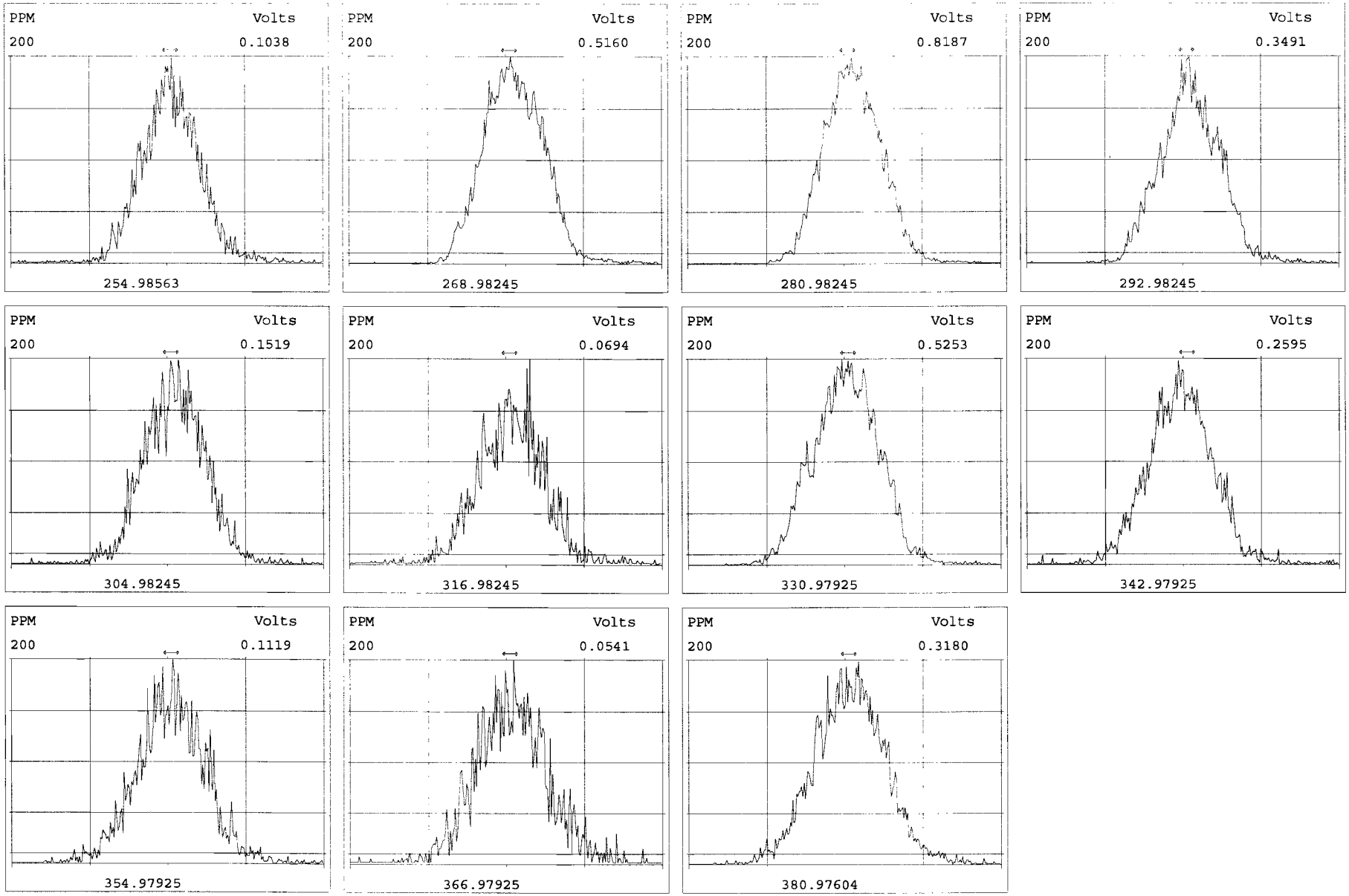





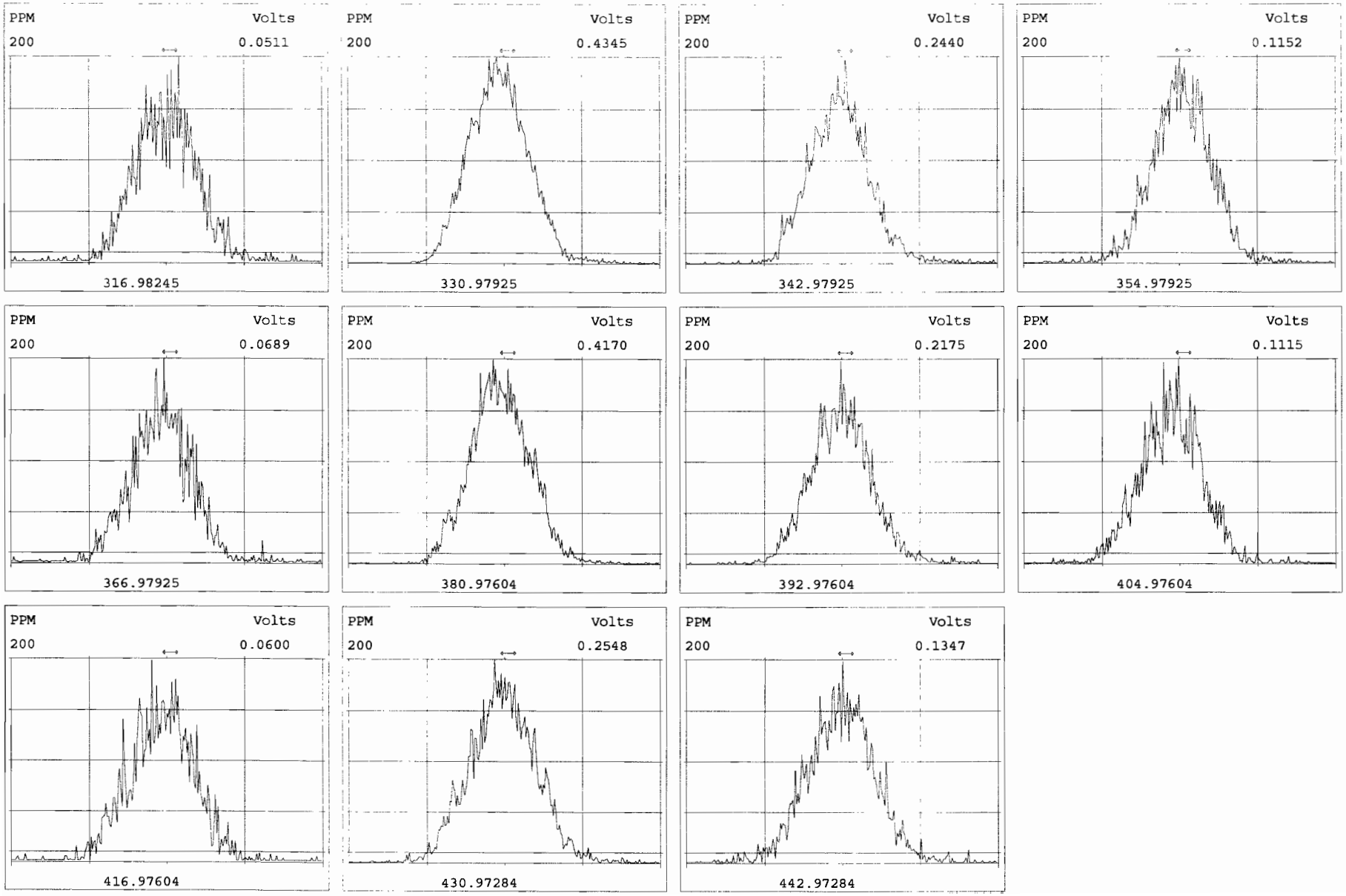
Peak Locate Examination:10-APR-2018:06:44 File:RES_CHECK

Experiment:PCB_ZB1 Function:3 Reference:PFK



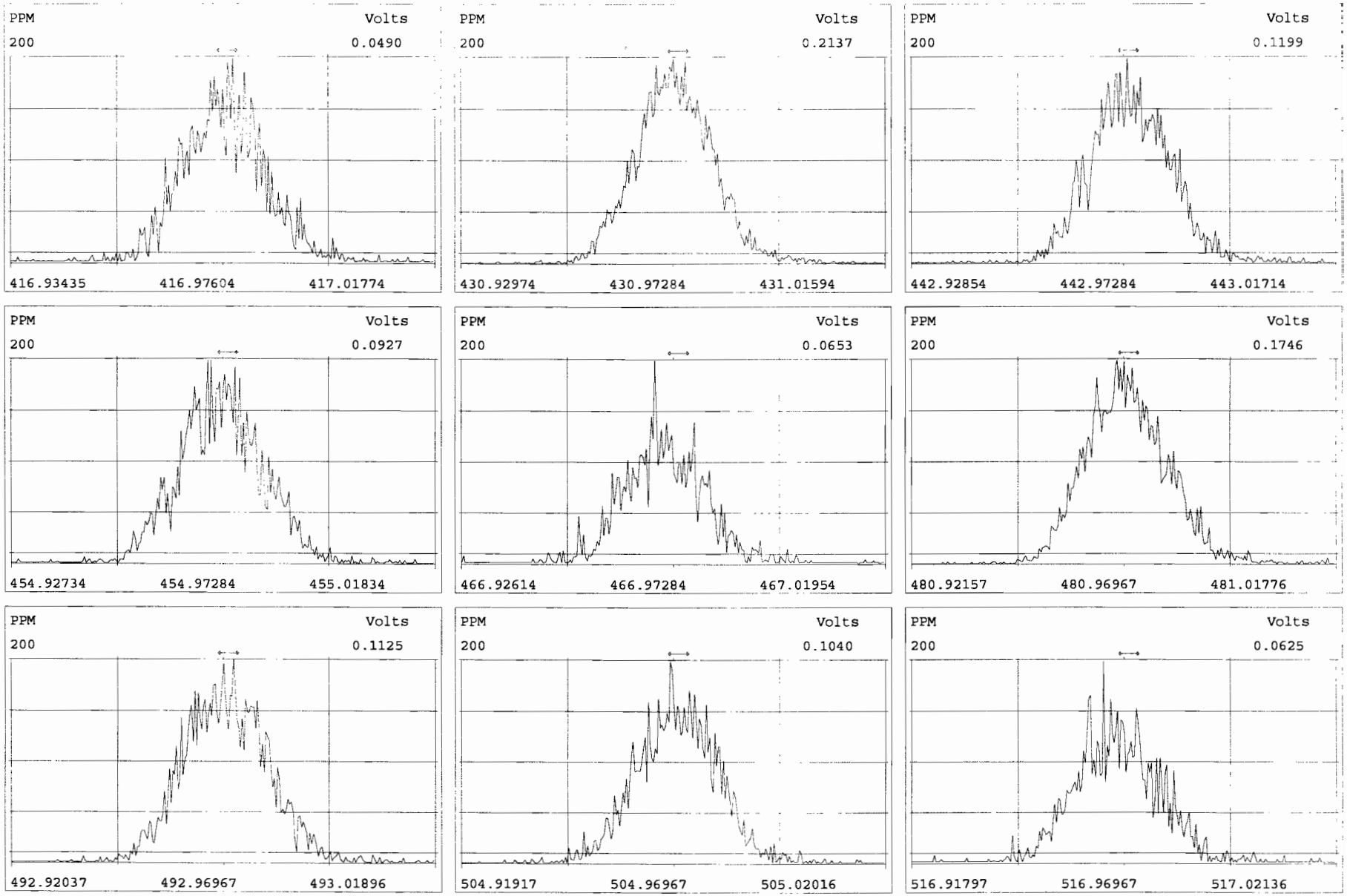
Peak Locate Examination:10-APR-2018:06:45 File:RES_CHECK

Experiment:PCB_ZB1 Function:4 Reference:PFK

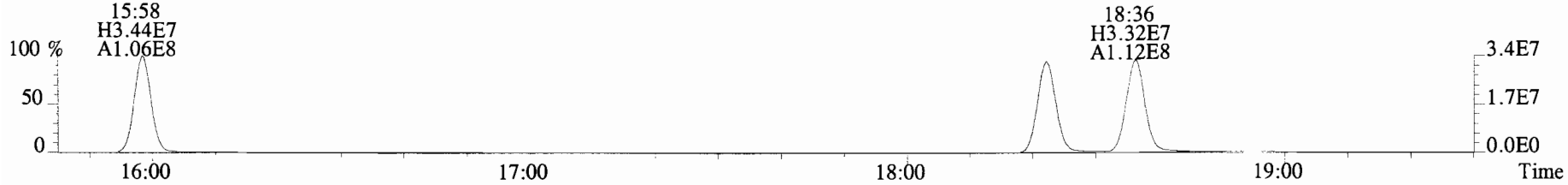


Peak Locate Examination:10-APR-2018:06:46 File:RES_CHECK

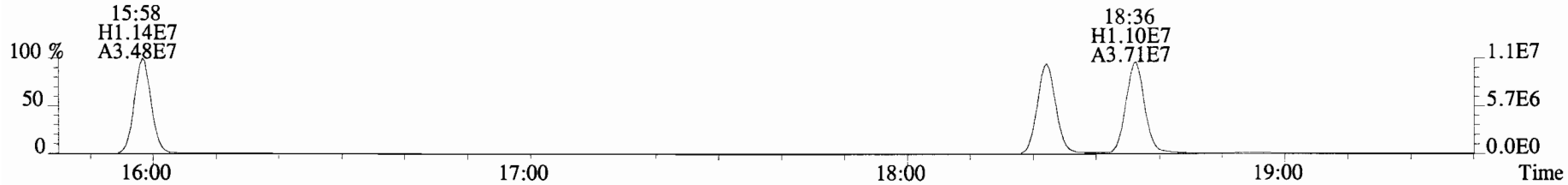
Experiment:PCB_ZB1 Function:5 Reference:PFK



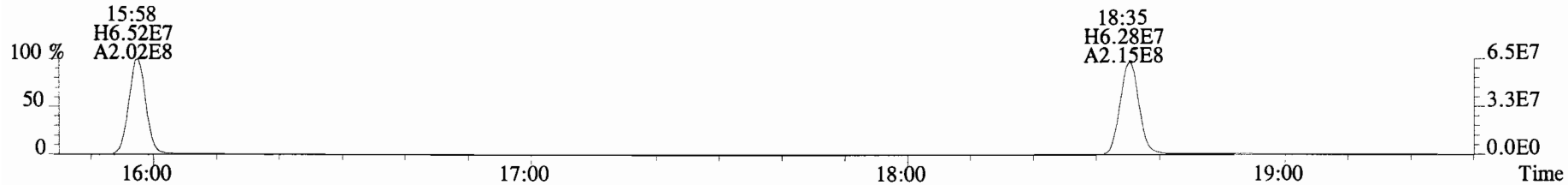
File:180409E2 #1-867 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
188.0393 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5248.0,0.00%,F,F)



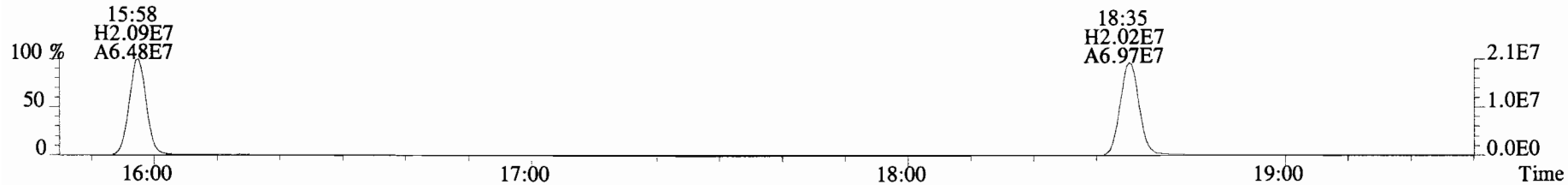

190.0363 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3352.0,0.00%,F,F)



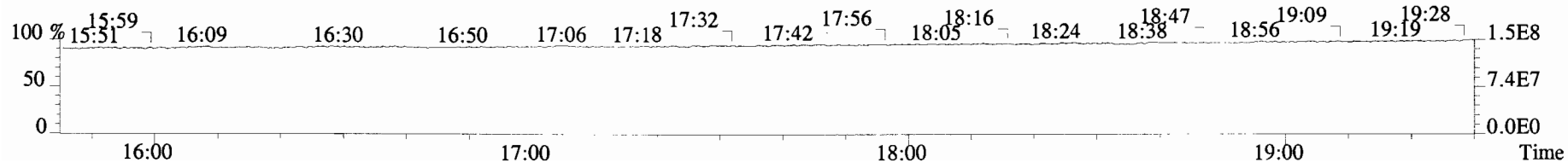

200.0795 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5708.0,0.00%,F,F)




202.0766 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27788.0,0.00%,F,F)

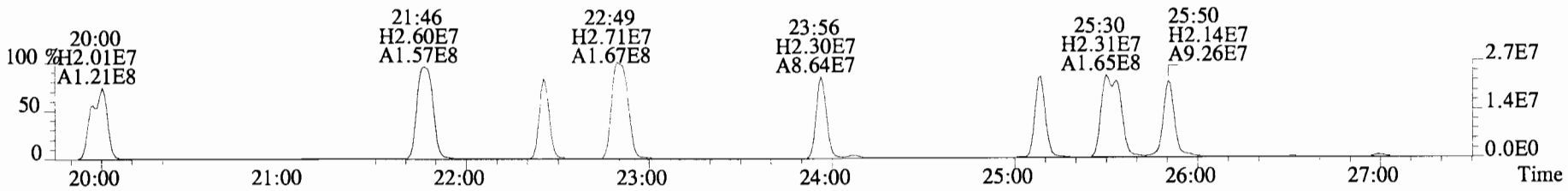



180.9880

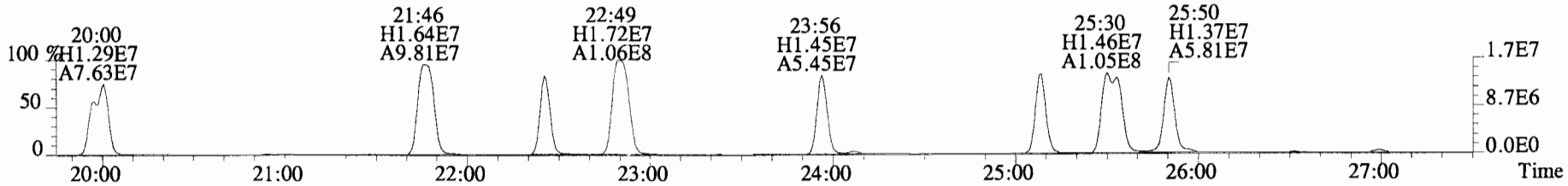


File:180409E2 #1-757 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1

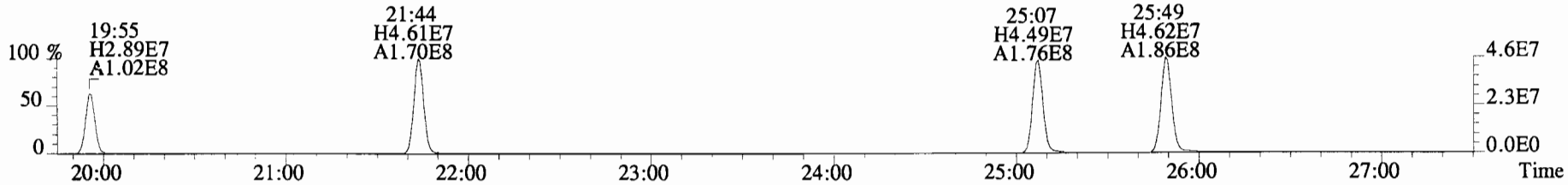
222.0003 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12028.0,0.00%,F,F)



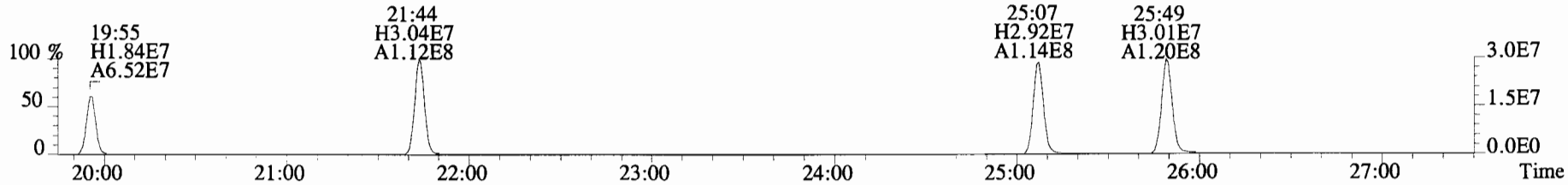

223.9974 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,61176.0,0.00%,F,F)



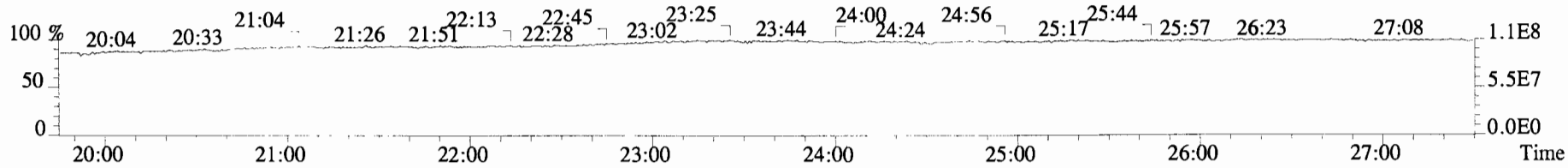

234.0406 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6788.0,0.00%,F,F)



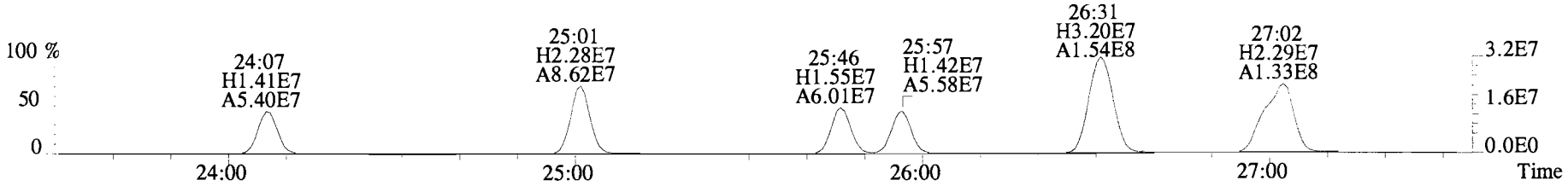

236.0376 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4932.0,0.00%,F,F)



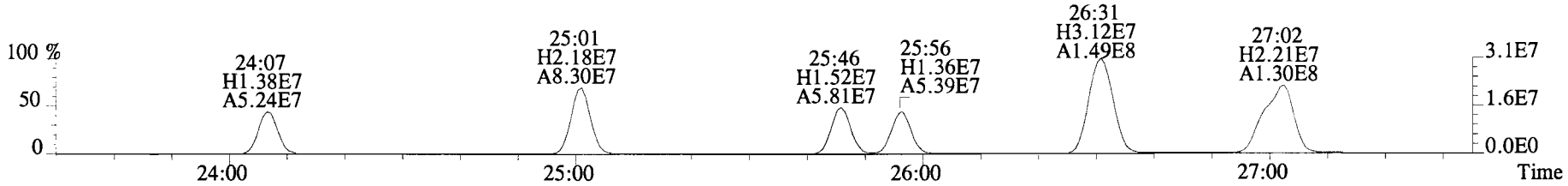

230.9856 F:2



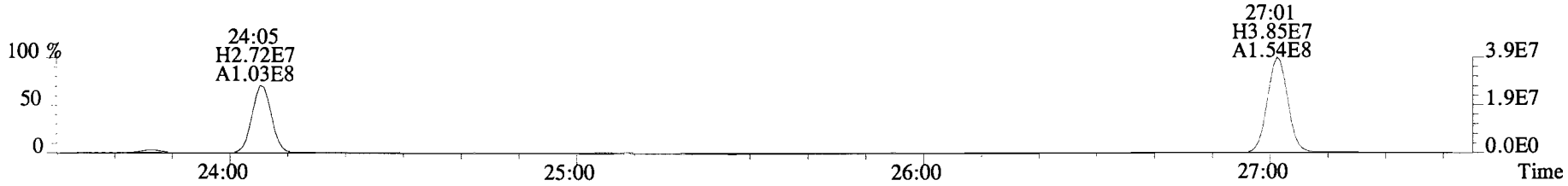
File:180409E2 #1-757 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3632.0,0.00%,F,F)



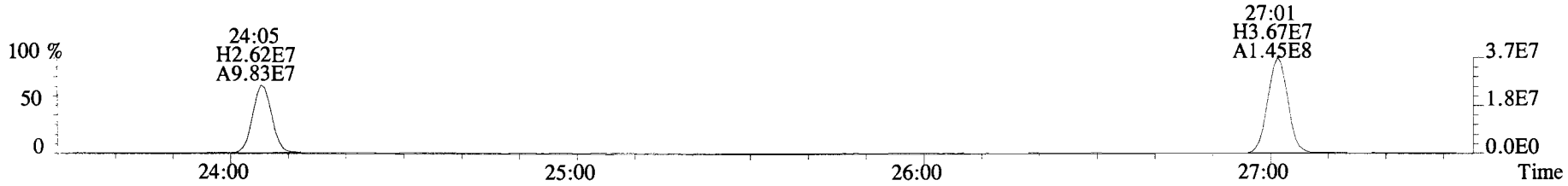

257.9584 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



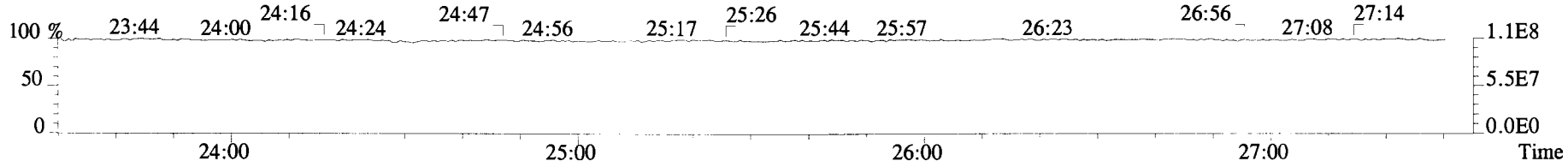

268.0016 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,110032.0,0.00%,F,F)



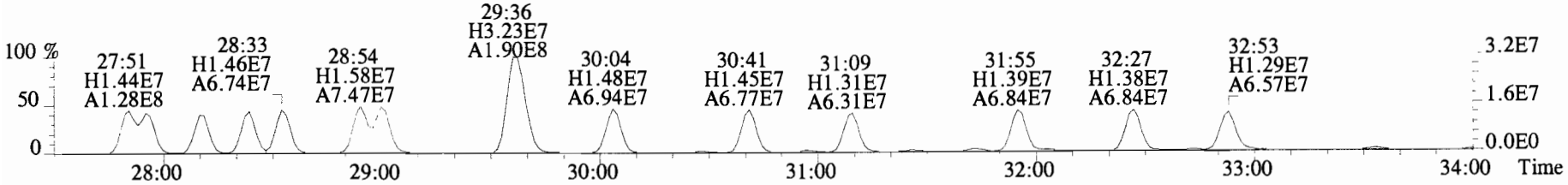

269.9986 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,152216.0,0.00%,F,F)



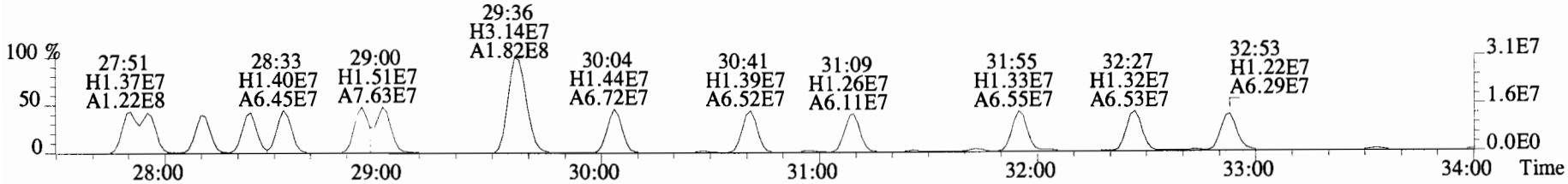

230.9856 F:2



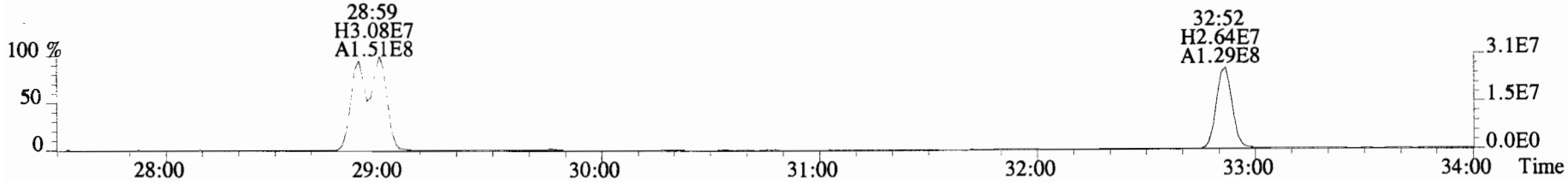
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,50828.0,0.00%,F,F)



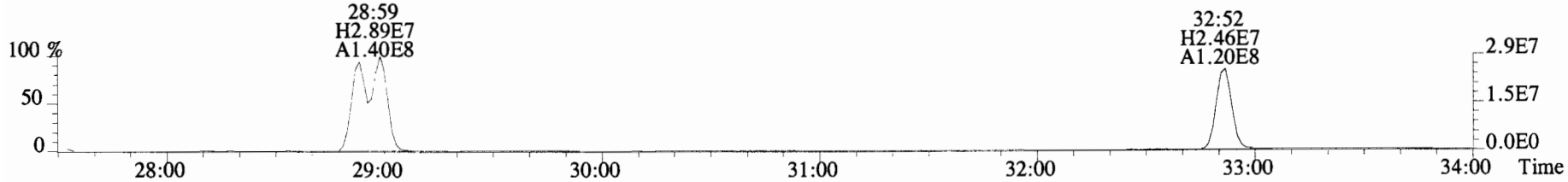

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,47244.0,0.00%,F,F)



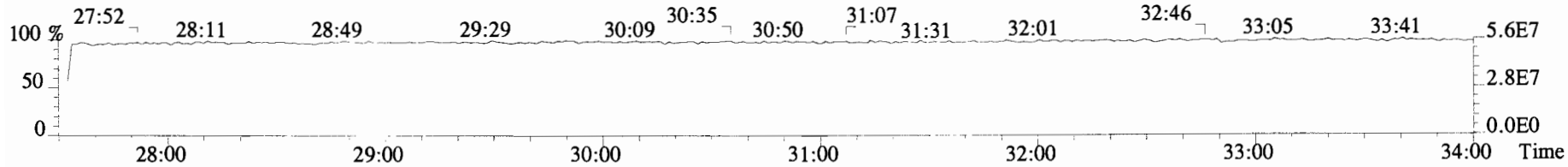

268.0016 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,113928.0,0.00%,F,F)



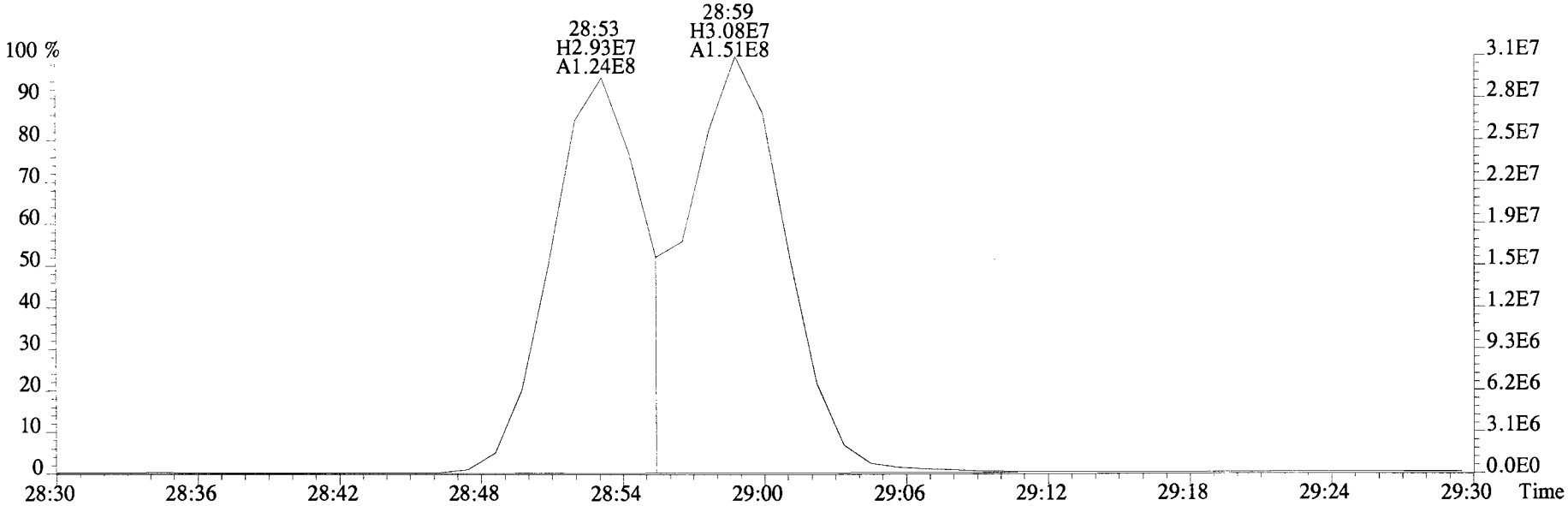

269.9986 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,140712.0,0.00%,F,F)



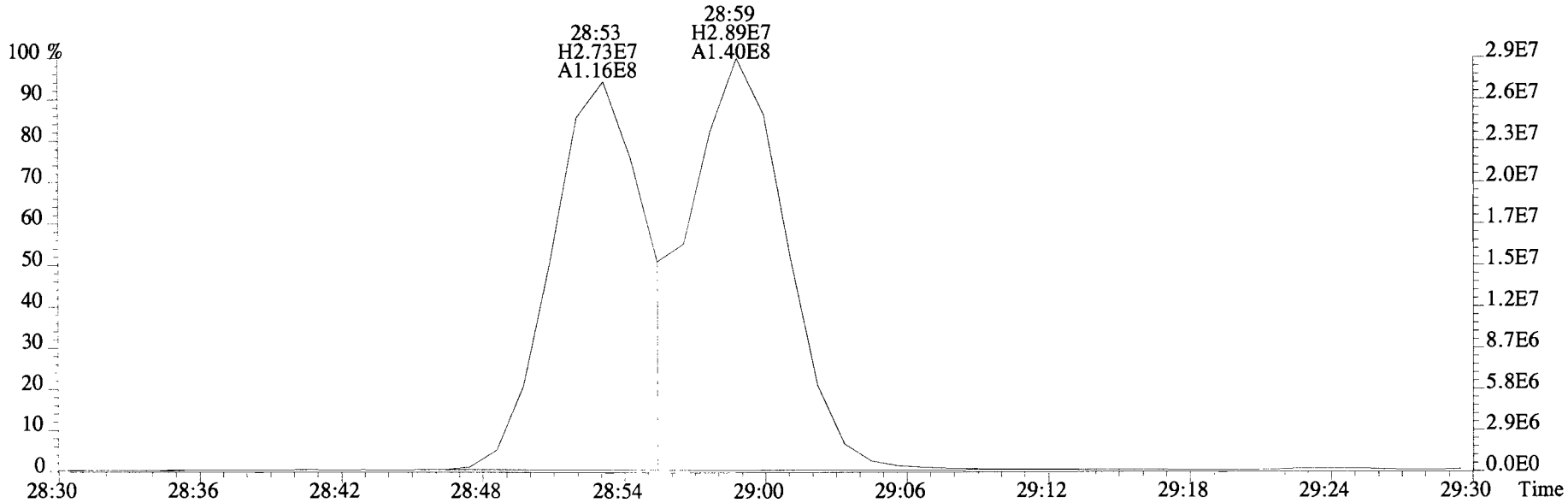

330.9792 F:3



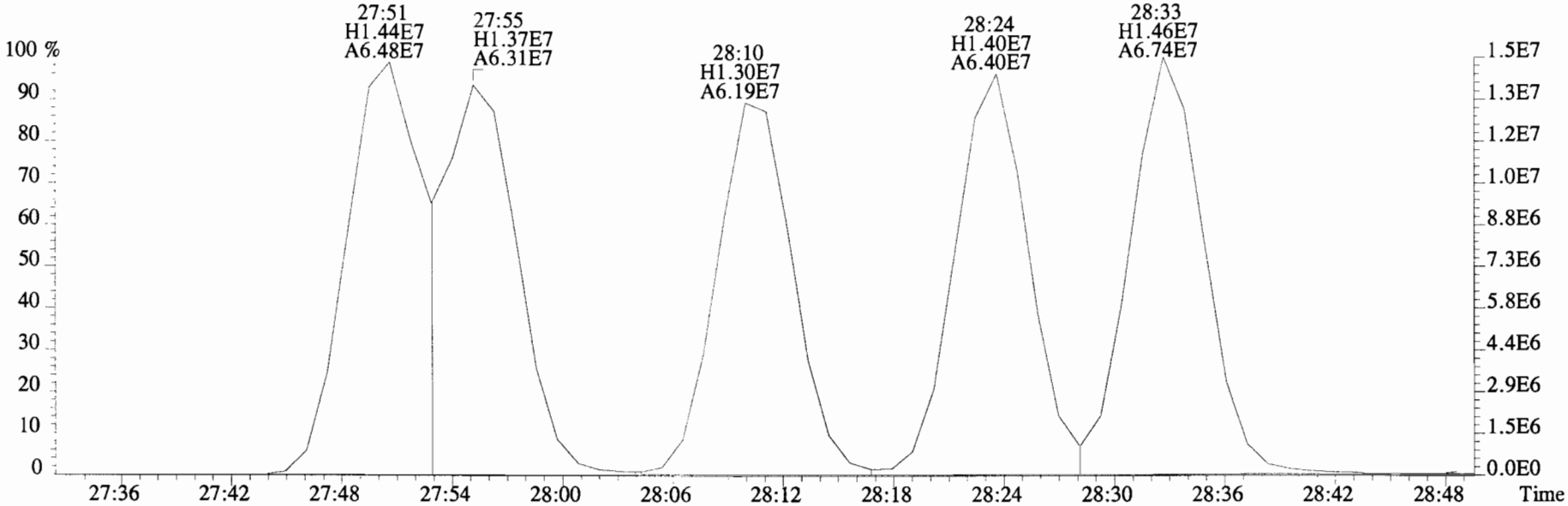
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
268.0016 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,113928.0,0.00%,F,F)



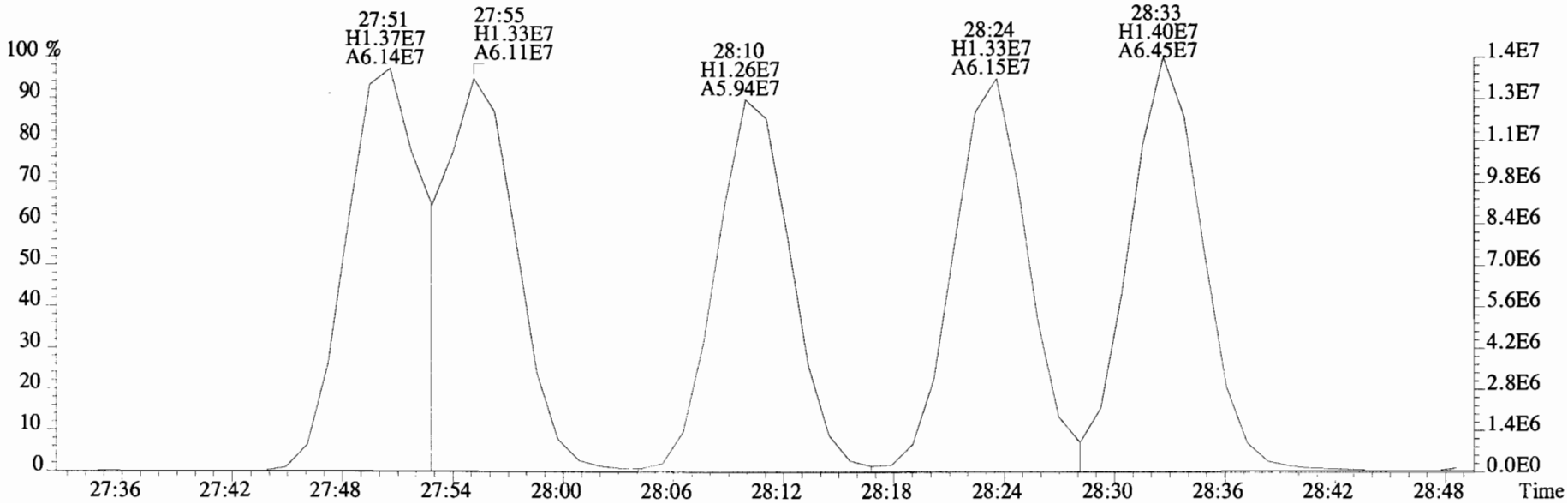

269.9986 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,140712.0,0.00%,F,F)



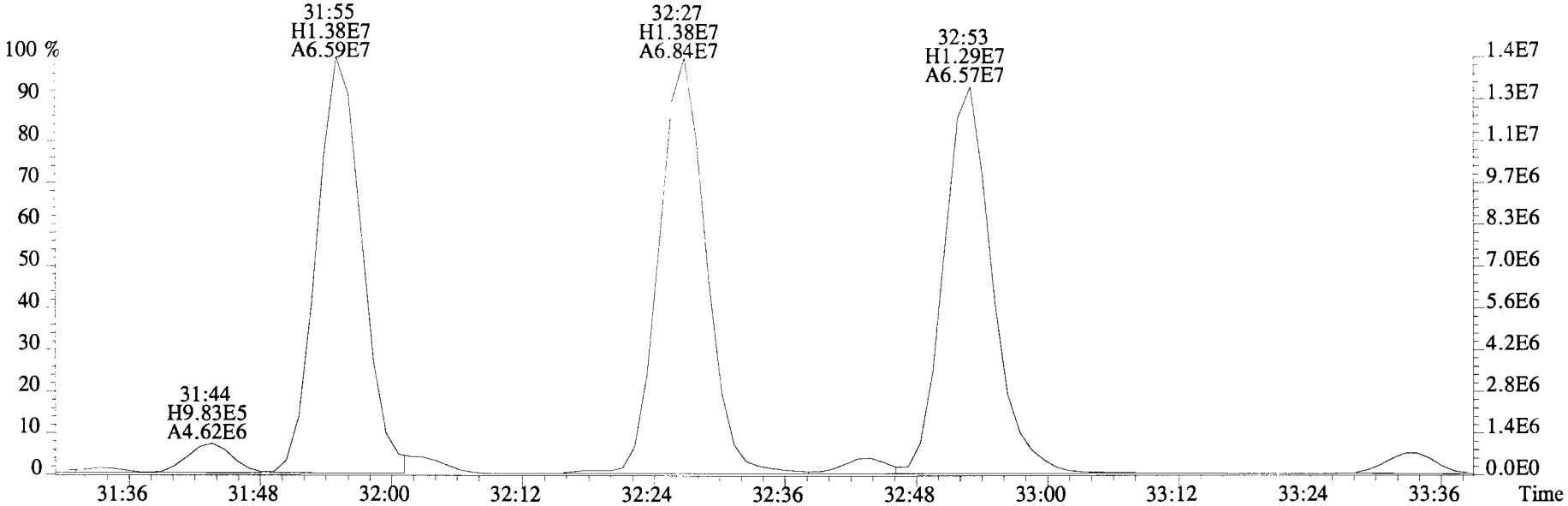
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,50828.0,0.00%,F,F)



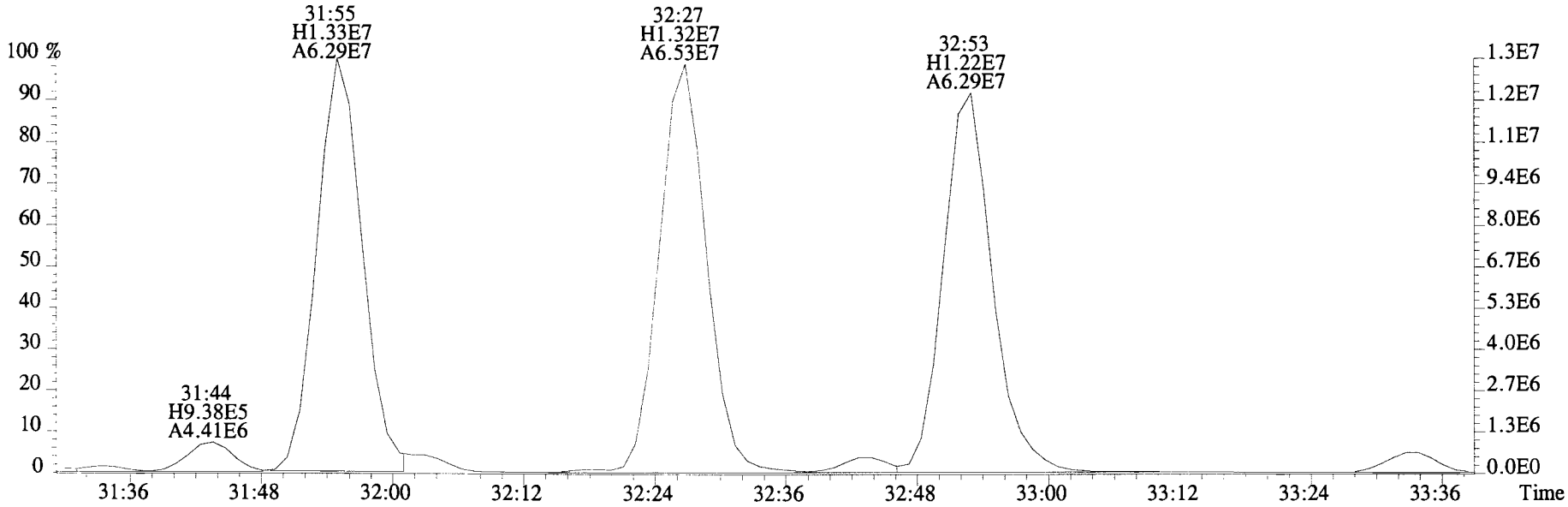

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,47244.0,0.00%,F,F)



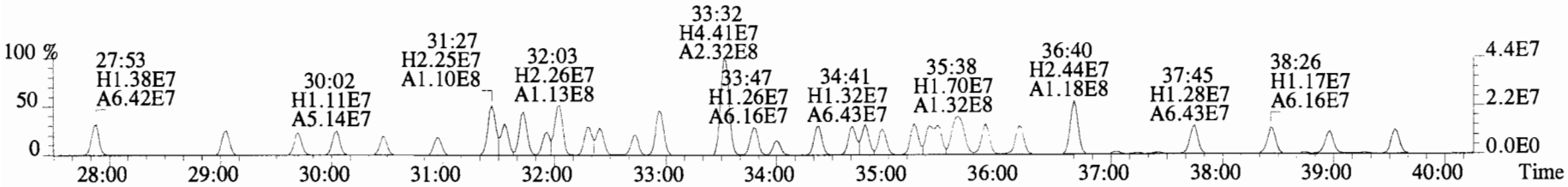
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,50828.0,0.00%,F,F)



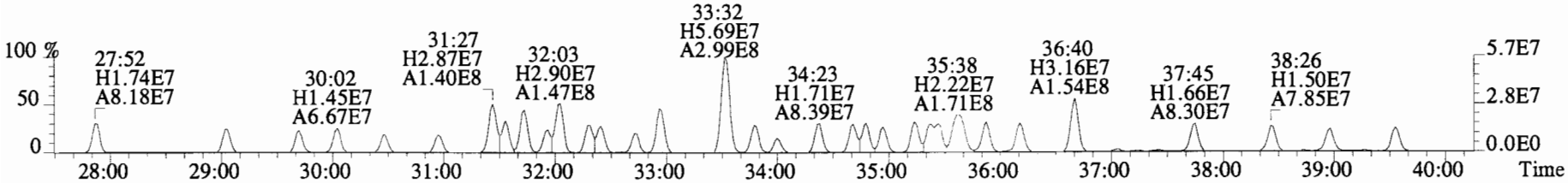

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,47244.0,0.00%,F,F)



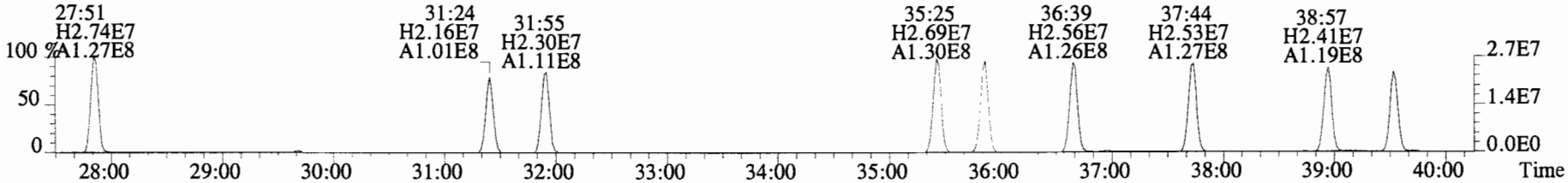
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,36840.0,0.00%,F,F)



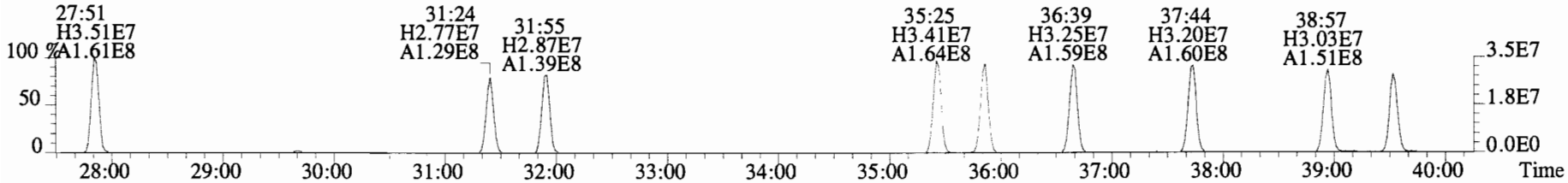

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,49964.0,0.00%,F,F)



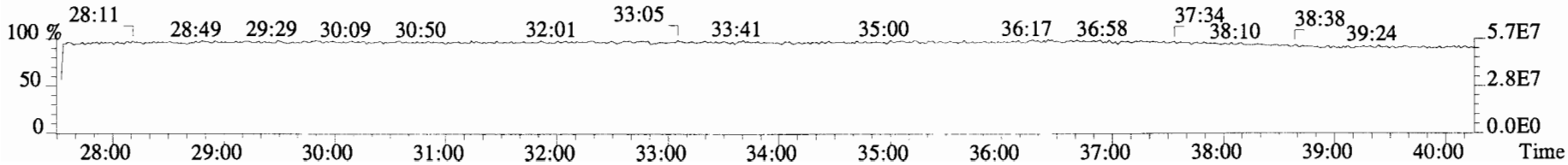

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28444.0,0.00%,F,F)



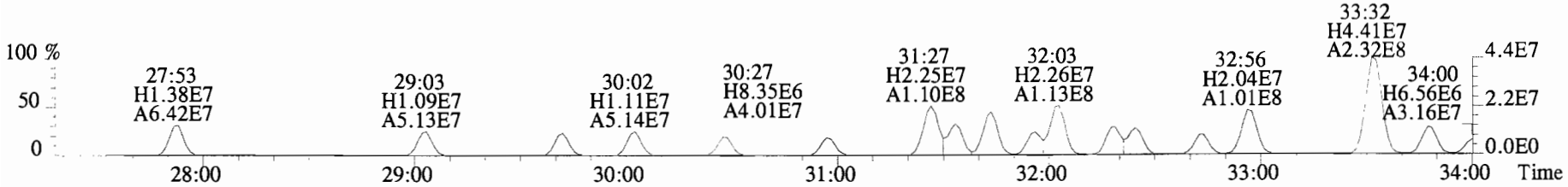

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22552.0,0.00%,F,F)



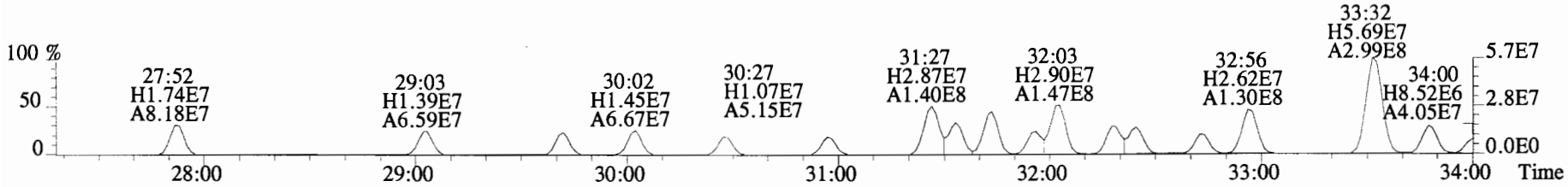

330.9792 F:3



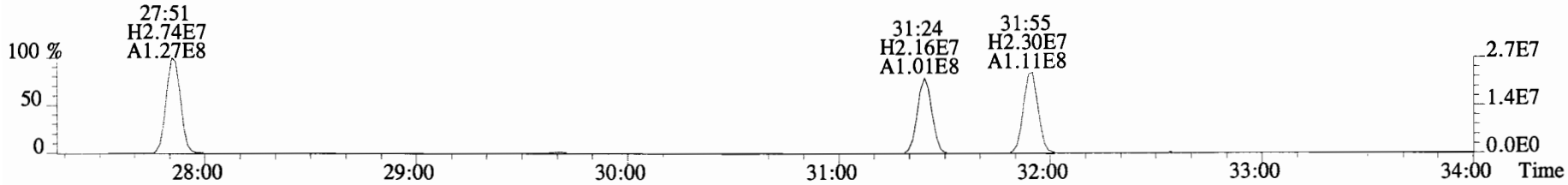
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,36840.0,0.00%,F,F)



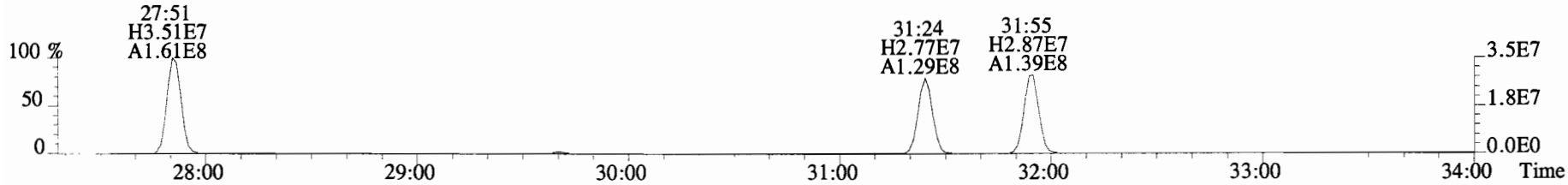

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,49964.0,0.00%,F,F)



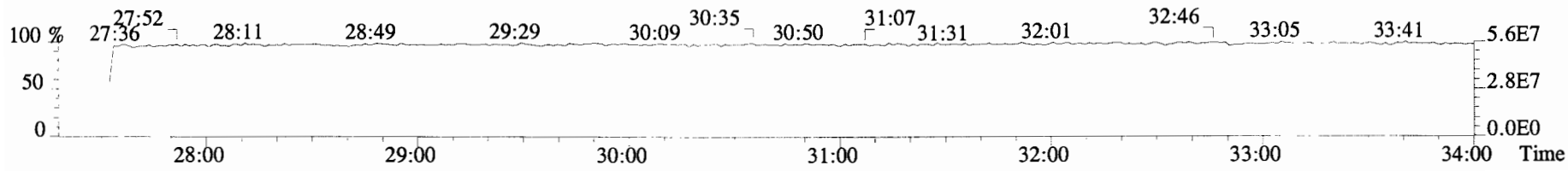

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28444.0,0.00%,F,F)



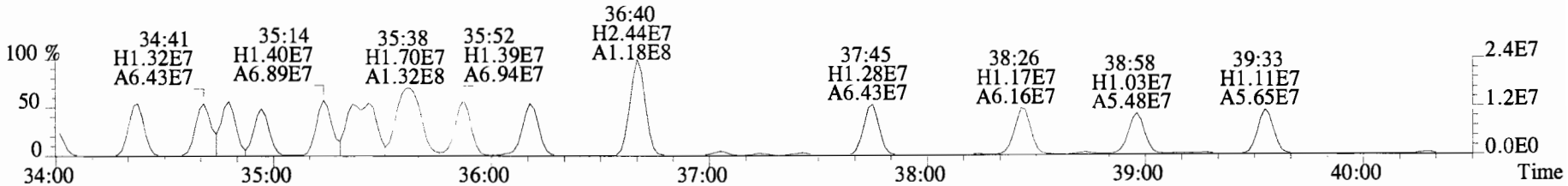

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22552.0,0.00%,F,F)



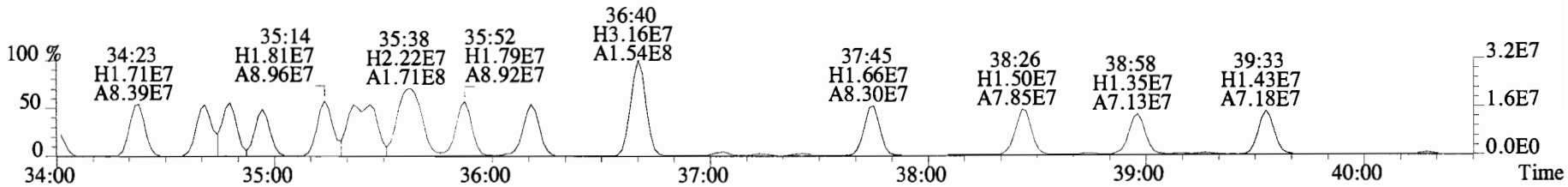

330.9792 F:3



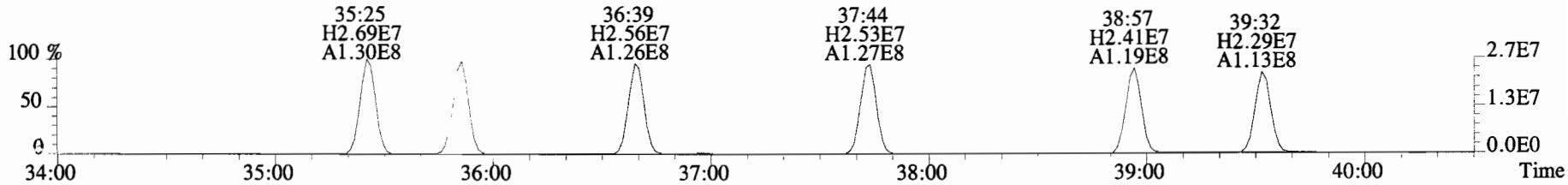
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,36840.0,0.00%,F,F)



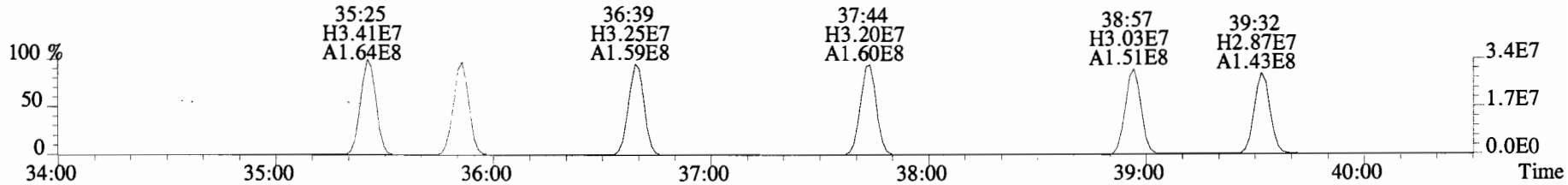

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,49964.0,0.00%,F,F)



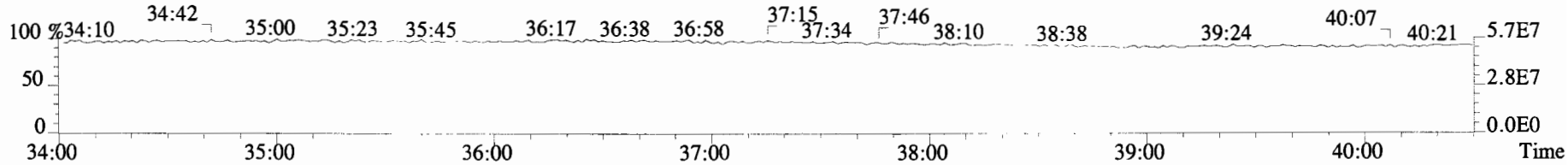

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28444.0,0.00%,F,F)



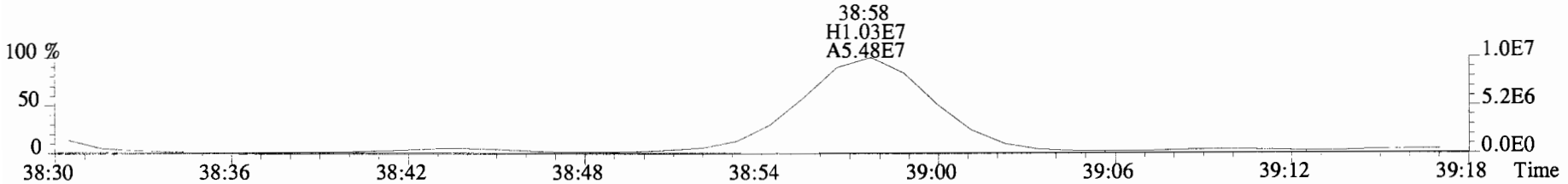

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22552.0,0.00%,F,F)



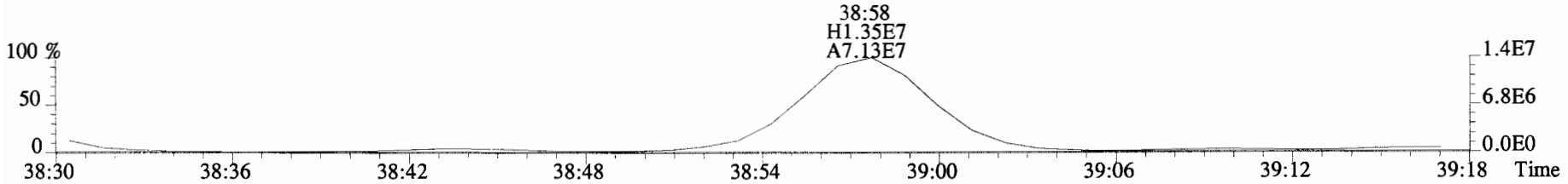

330.9792 F:3



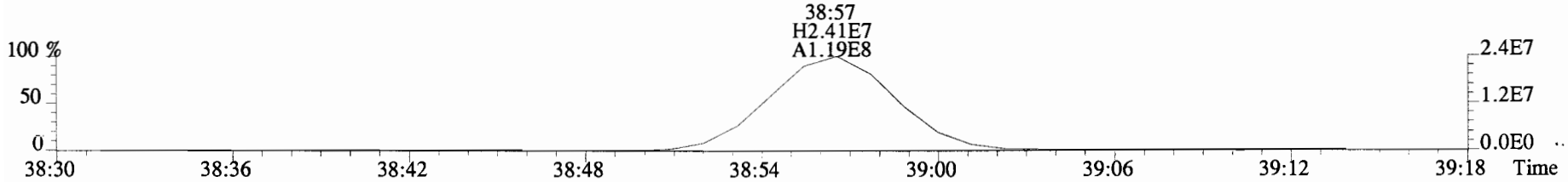
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,36840.0,0.00%,F,F)



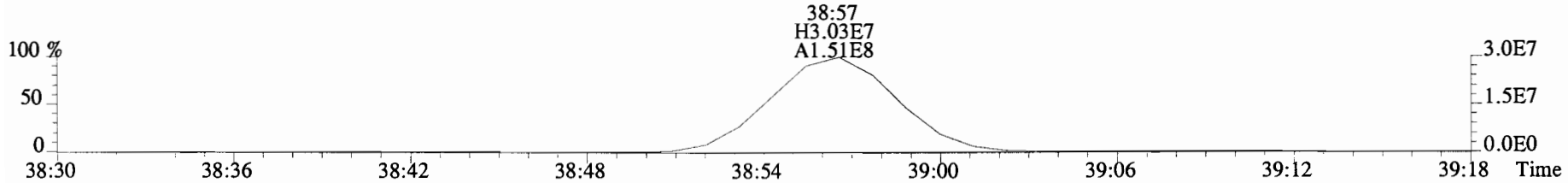

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,49964.0,0.00%,F,F)



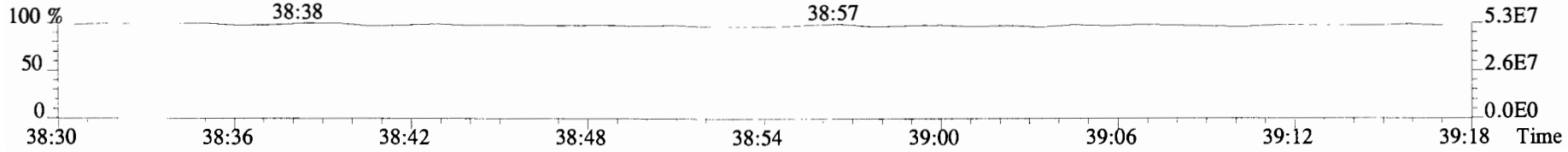

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28444.0,0.00%,F,F)



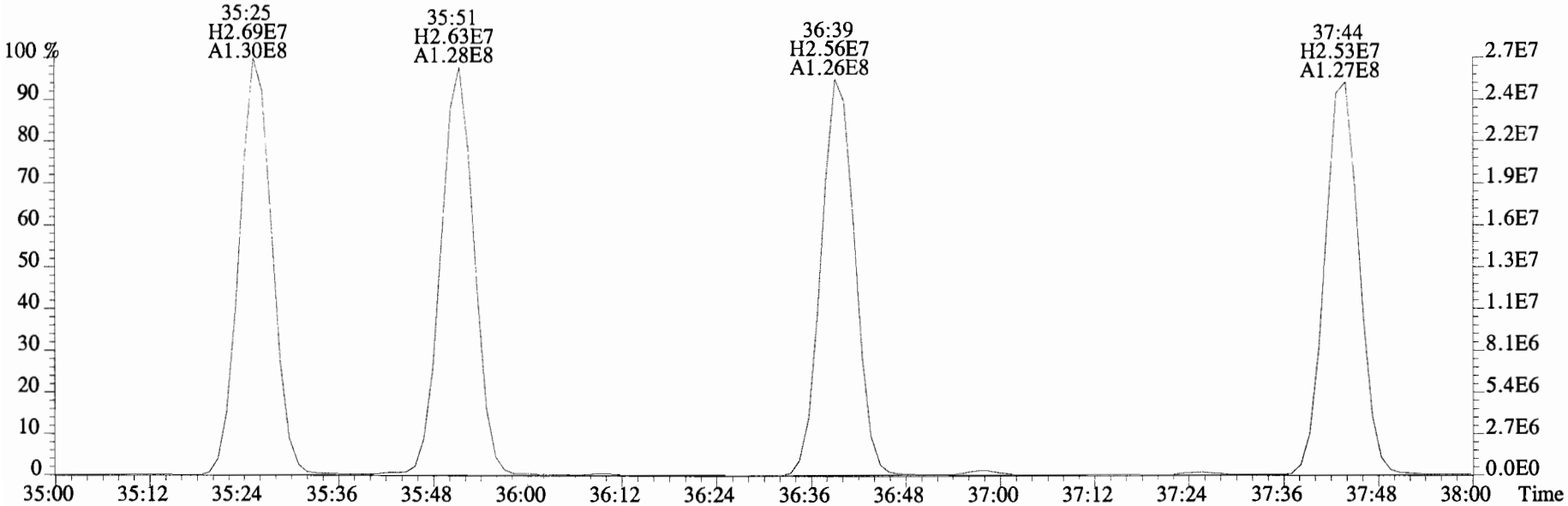

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22552.0,0.00%,F,F)



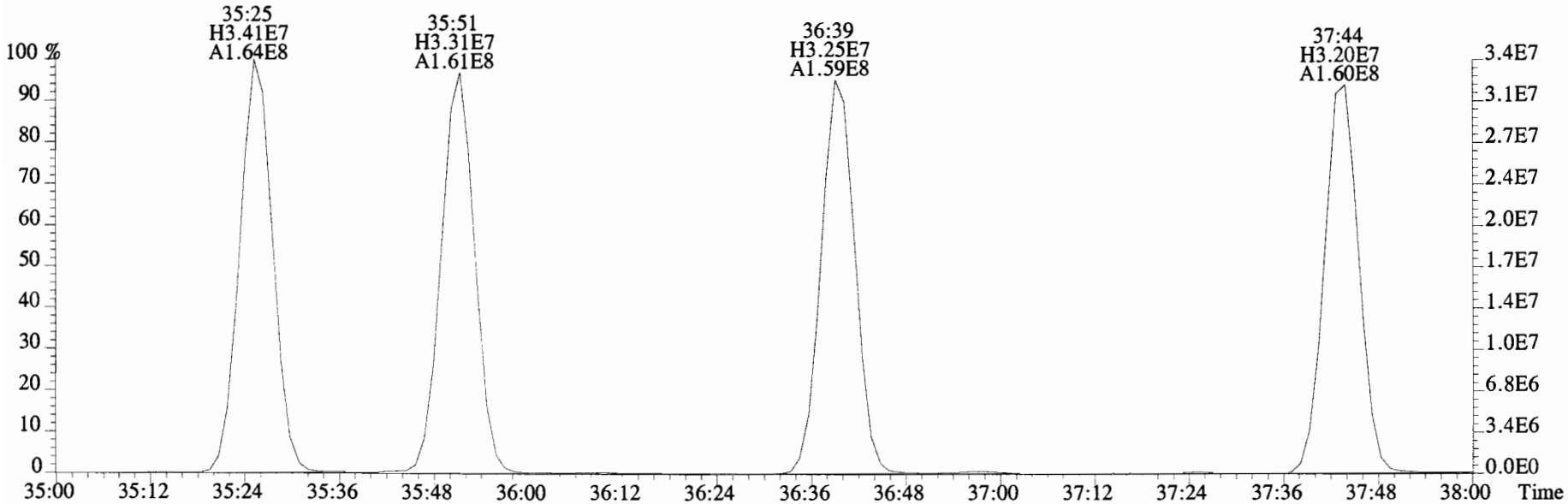

330.9792 F:3



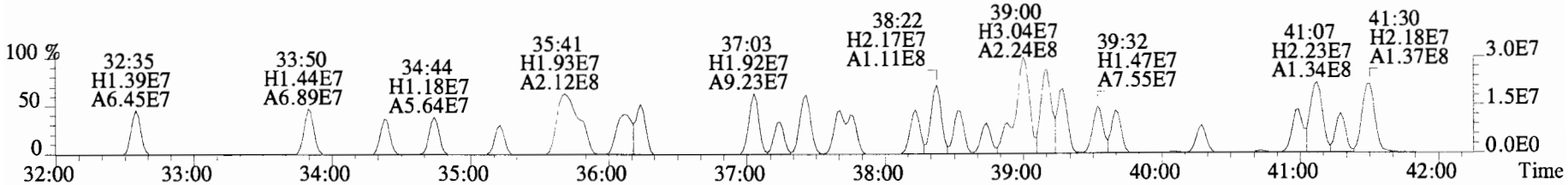
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28444.0,0.00%,F,F)



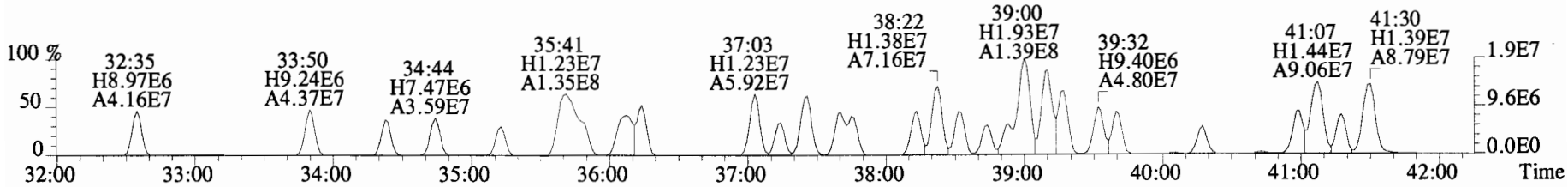

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22552.0,0.00%,F,F)



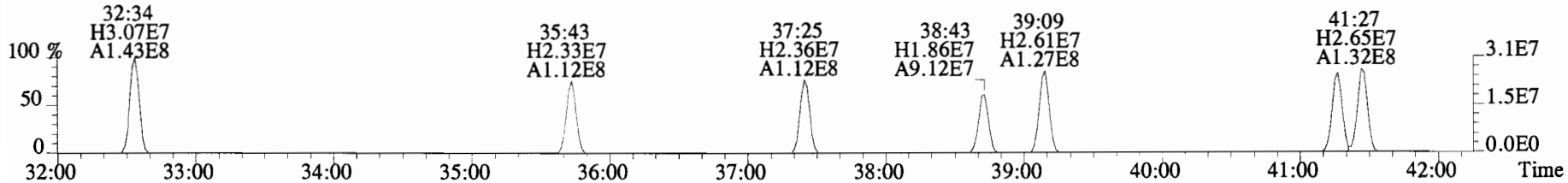
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2628.0,0.00%,F,F)



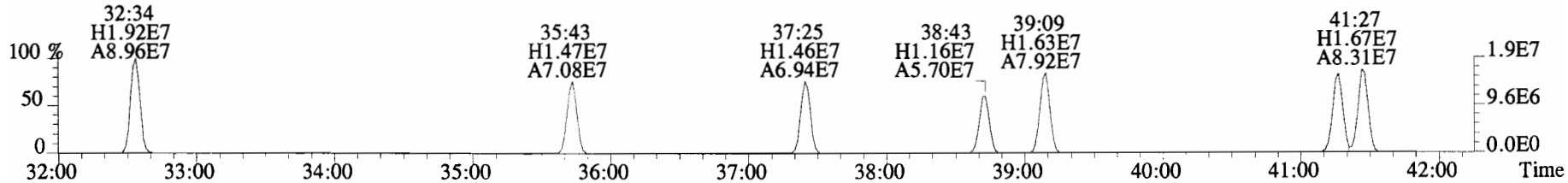

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



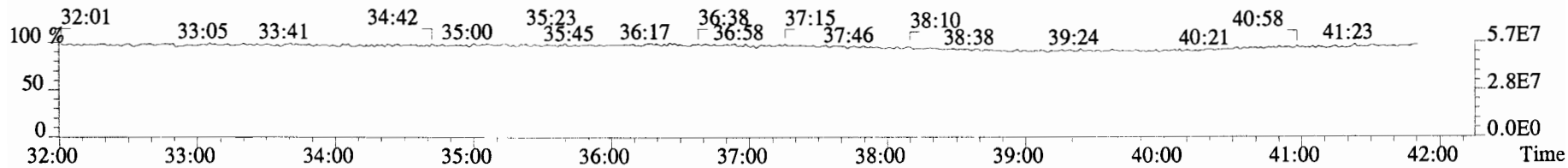

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3884.0,0.00%,F,F)



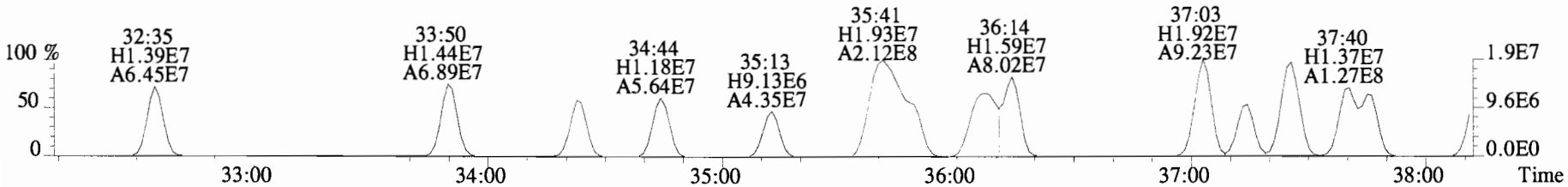

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3828.0,0.00%,F,F)



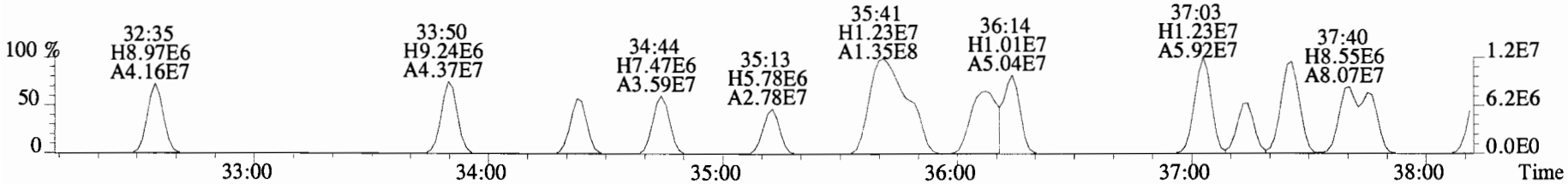

330.9792 F:3



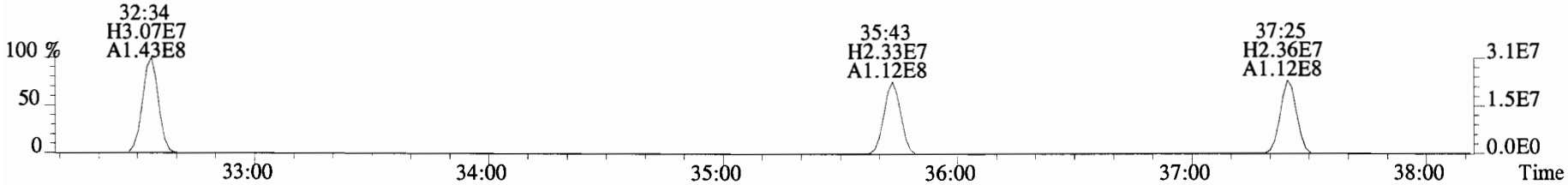
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2628.0,0.00%,F,F)



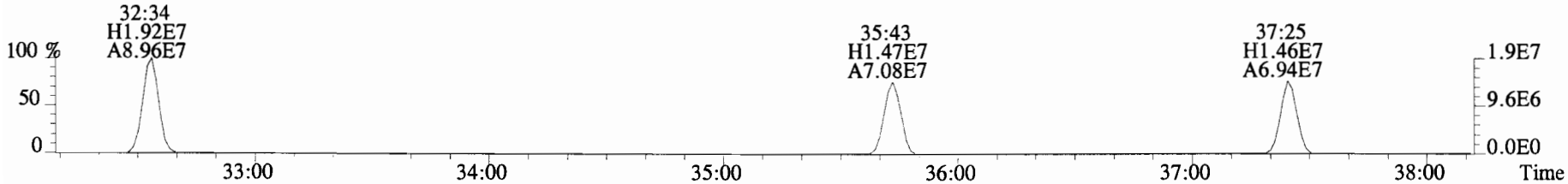

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



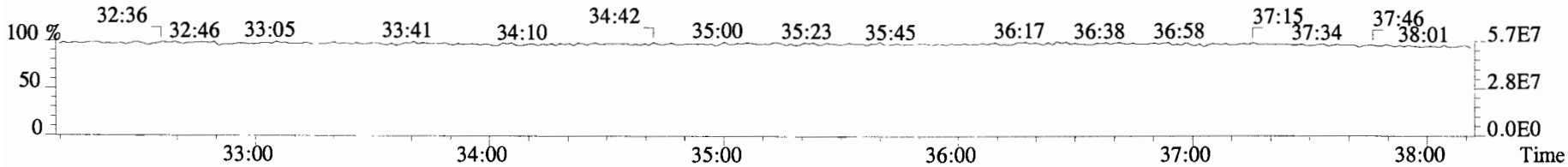

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3884.0,0.00%,F,F)



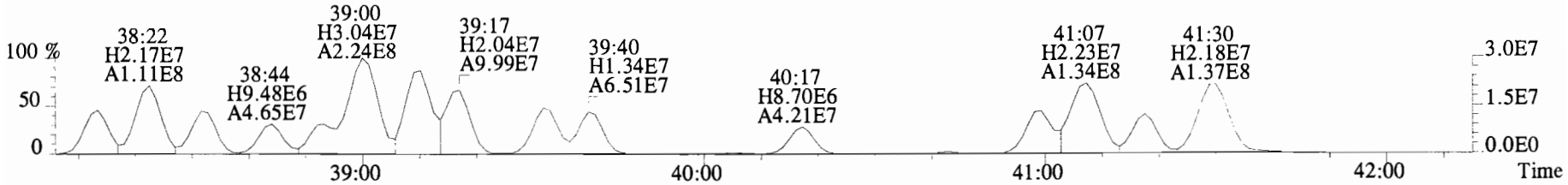

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3828.0,0.00%,F,F)



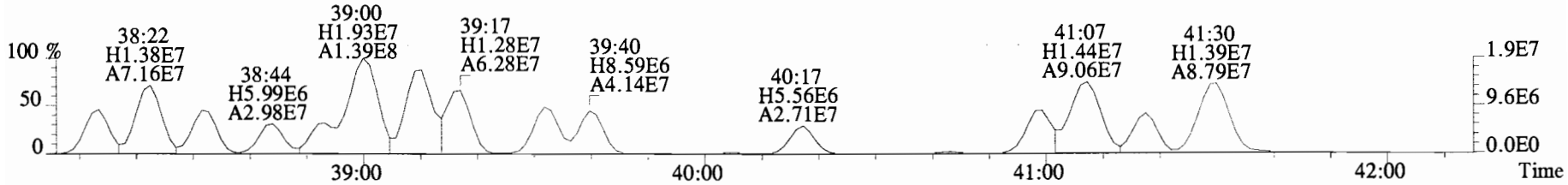

330.9792 F:3



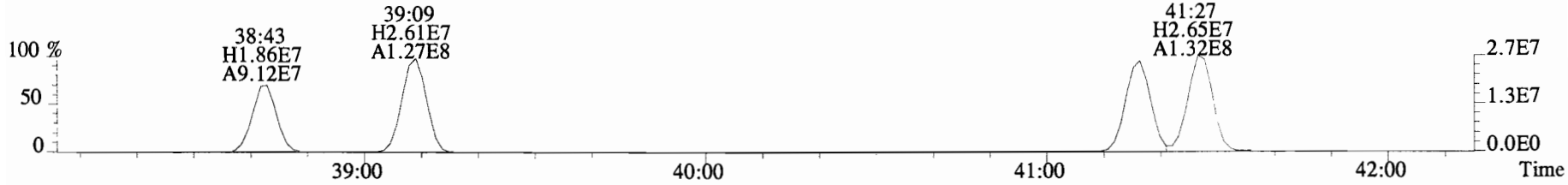
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2628.0,0.00%,F,F)



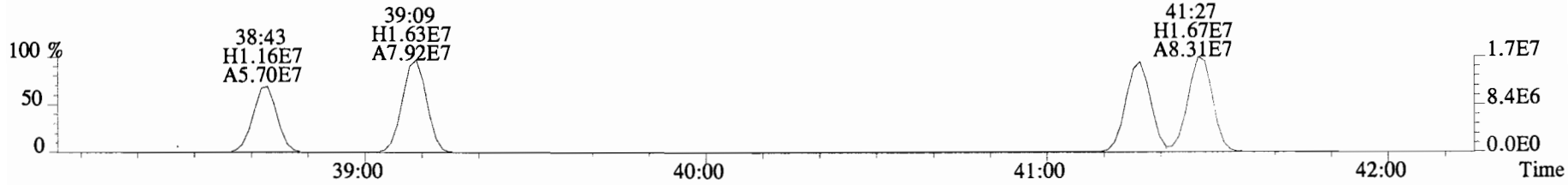

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



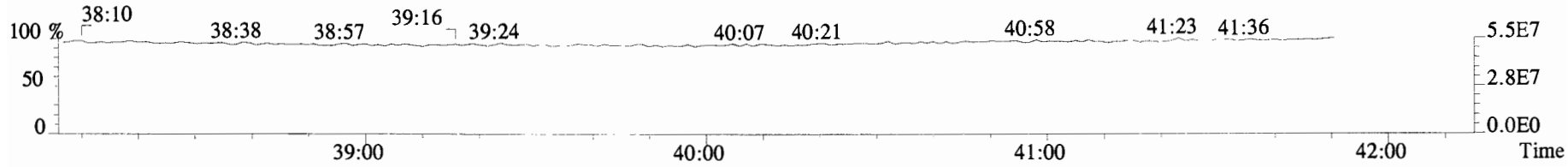

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3884.0,0.00%,F,F)



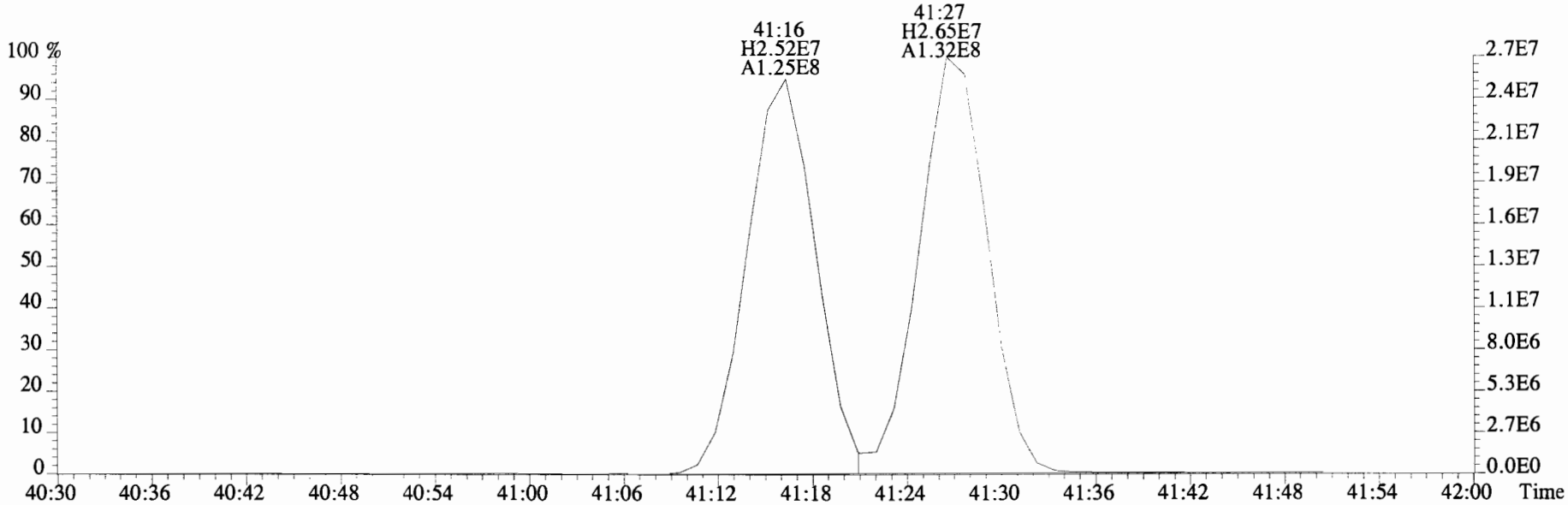

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3828.0,0.00%,F,F)



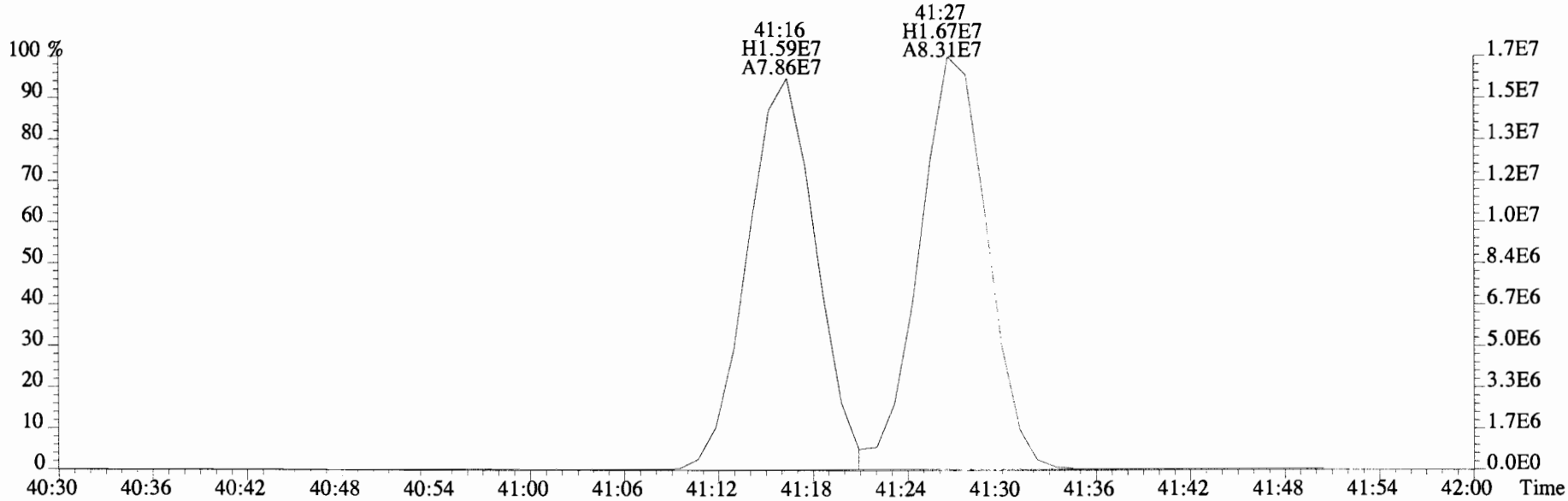

330.9792 F:3



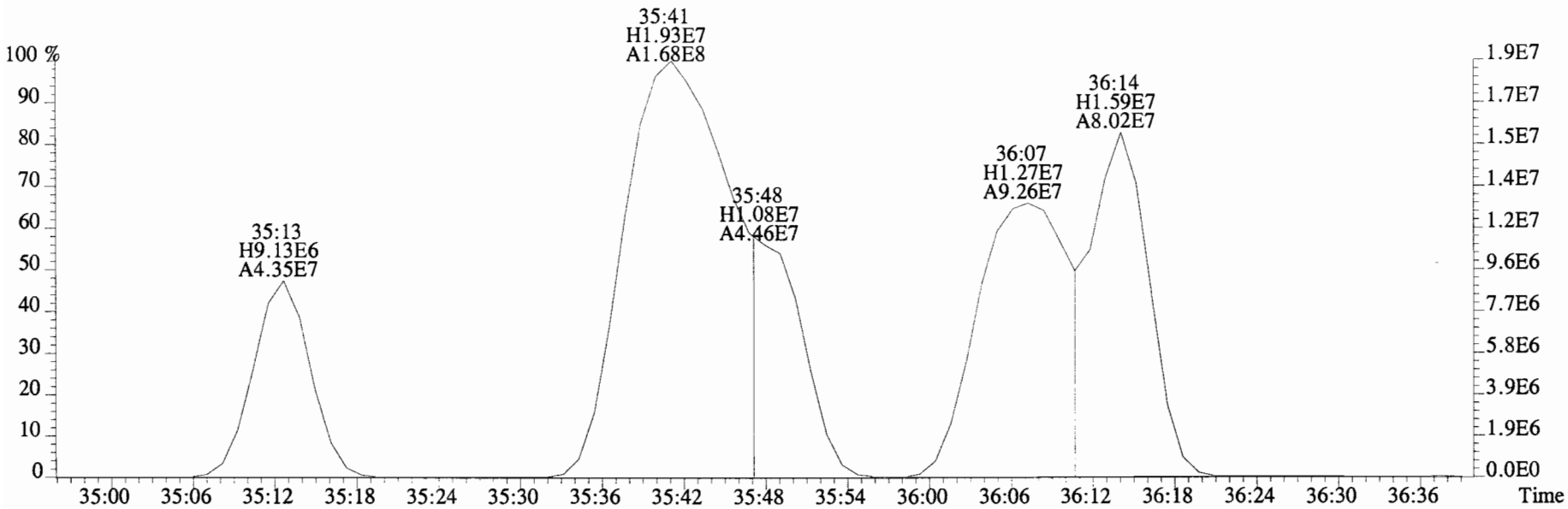
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3884.0,0.00%,F,F)



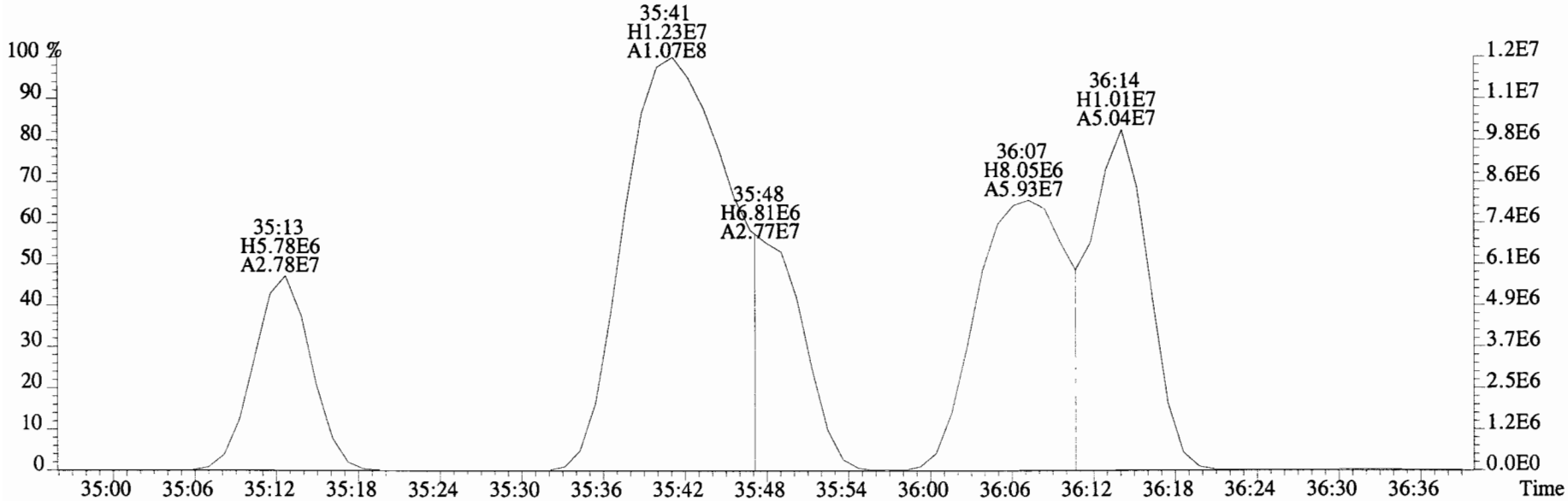

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3828.0,0.00%,F,F)



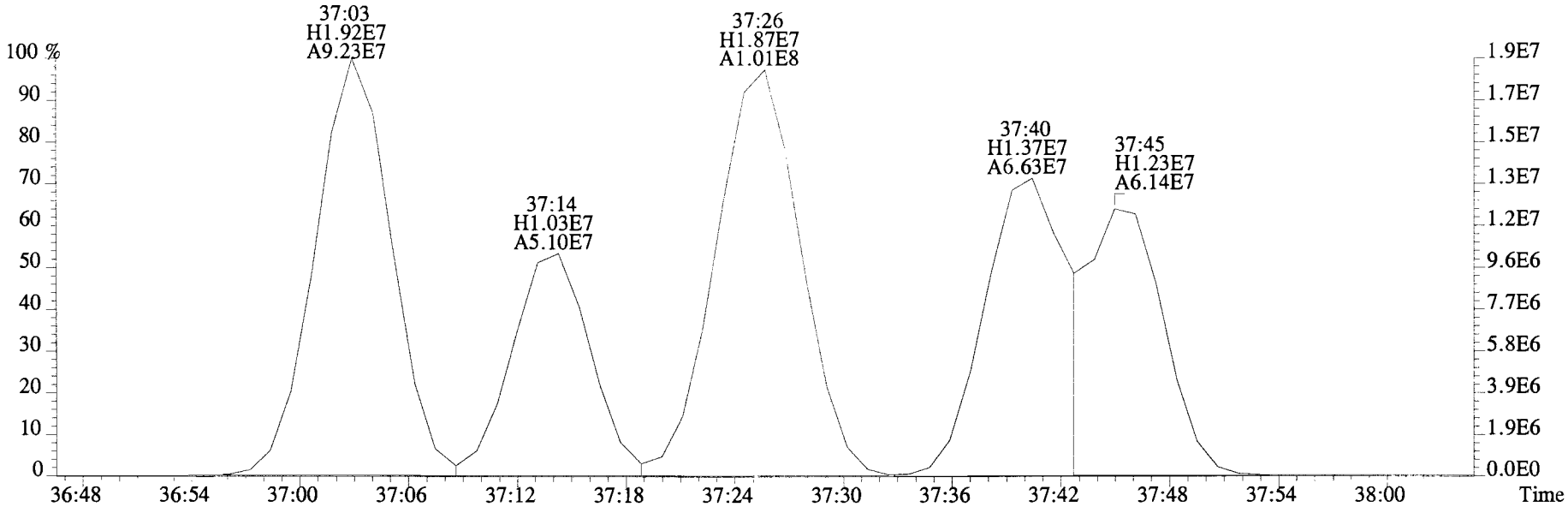
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2628.0,0.00%,F,F)



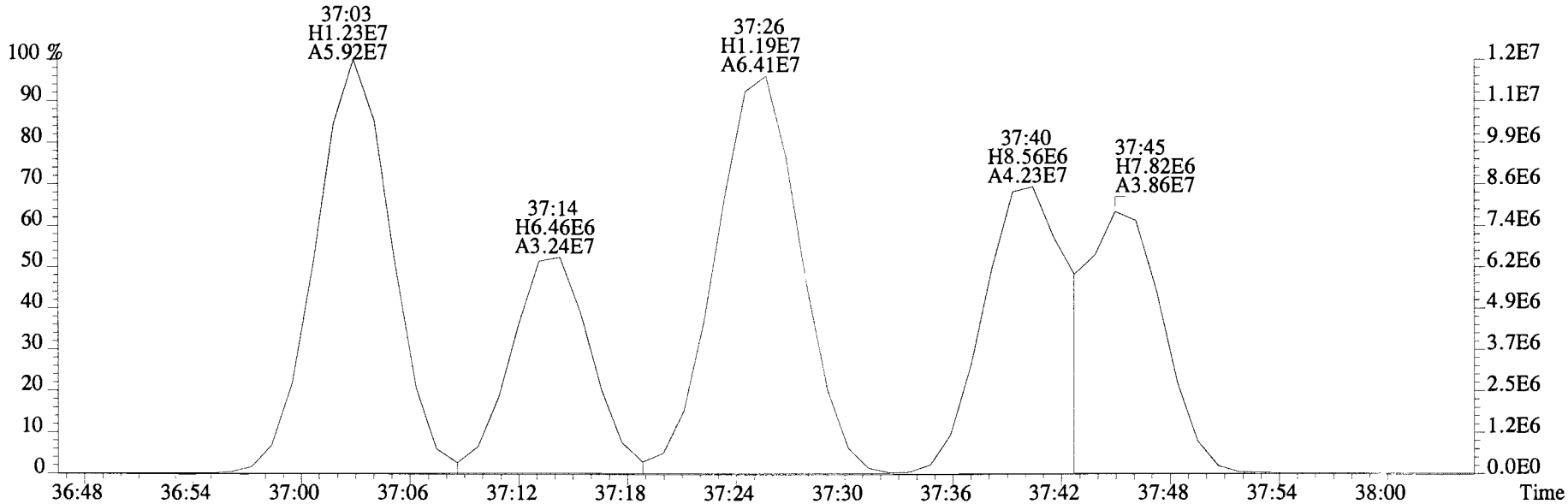

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



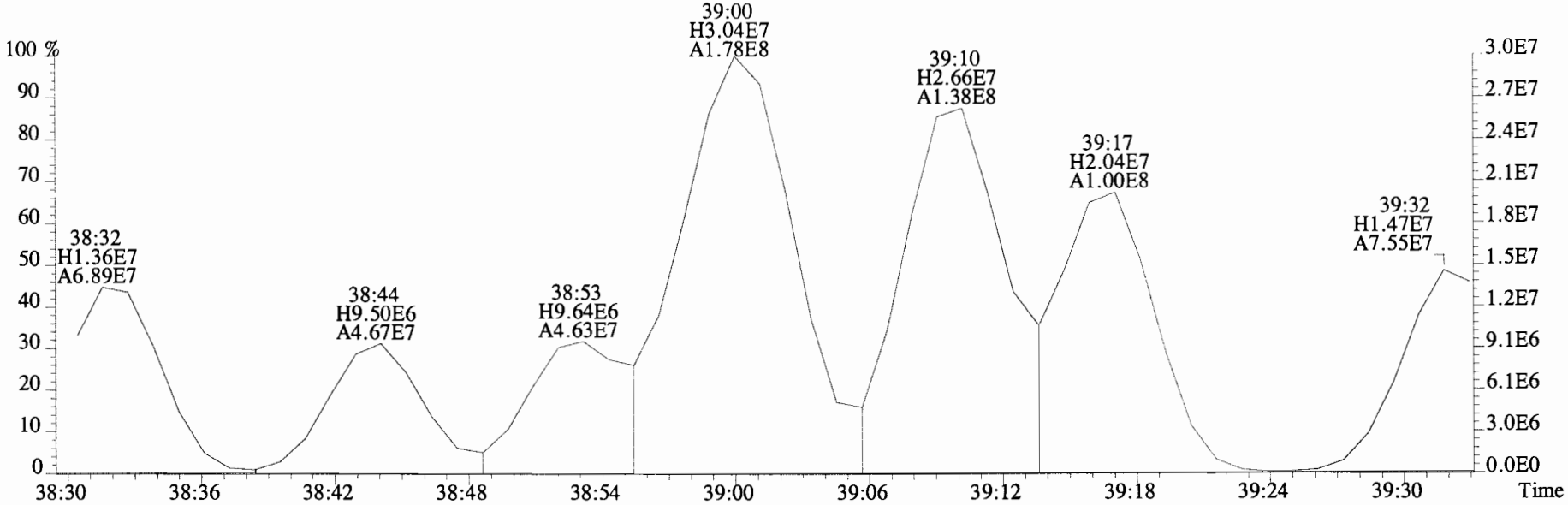
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2628.0,0.00%,F,F)



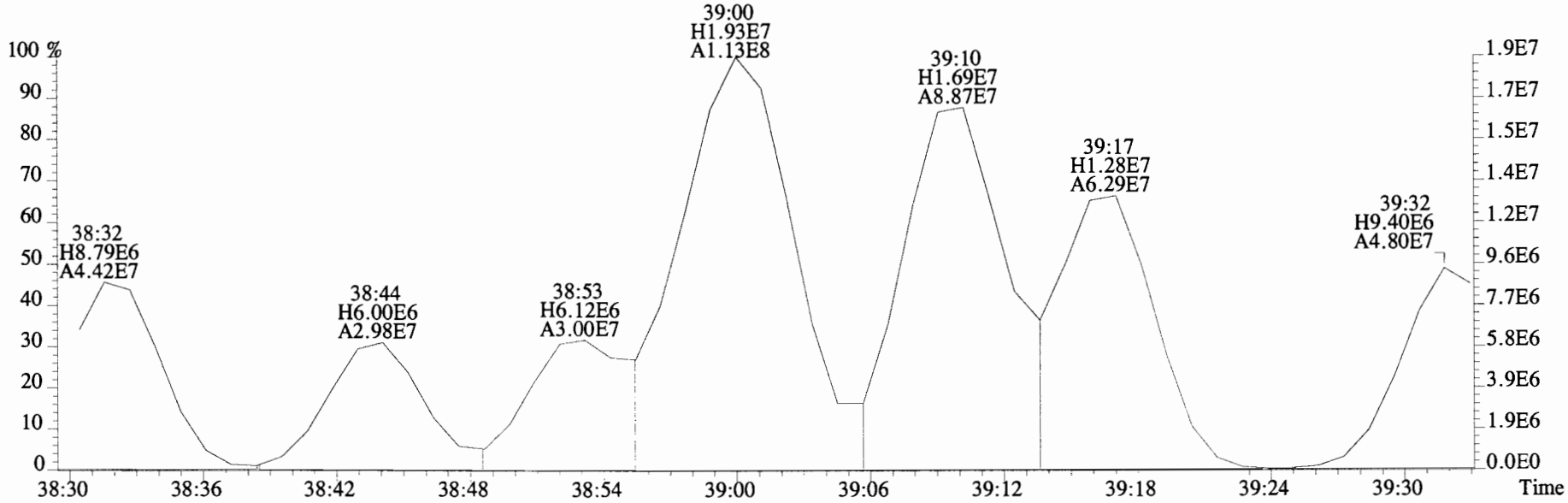

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



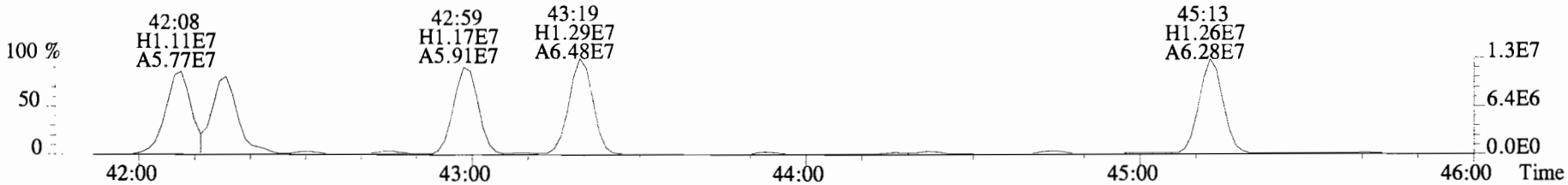
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2628.0,0.00%,F,F)



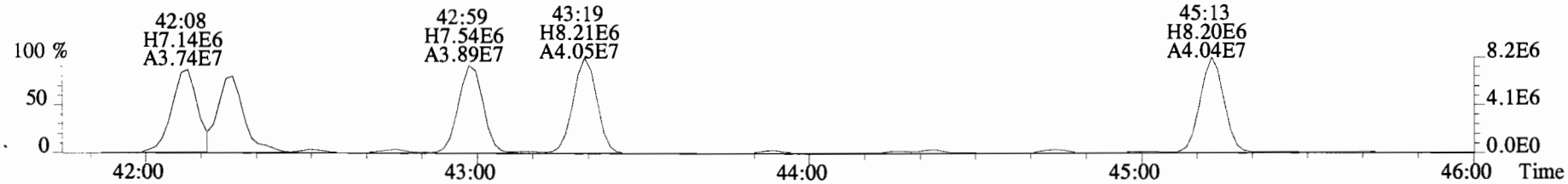

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2696.0,0.00%,F,F)



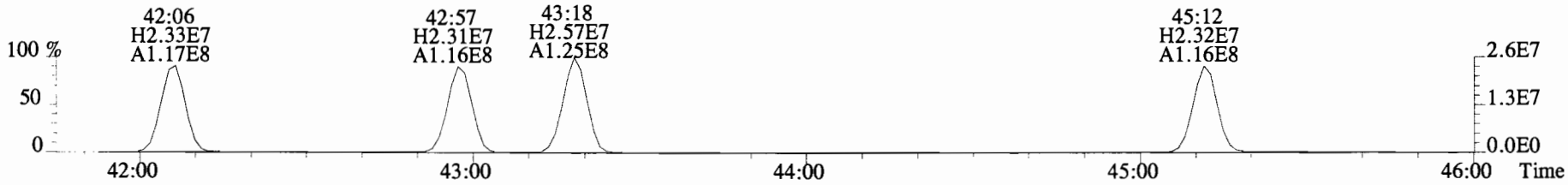
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7292.0,0.00%,F,F)



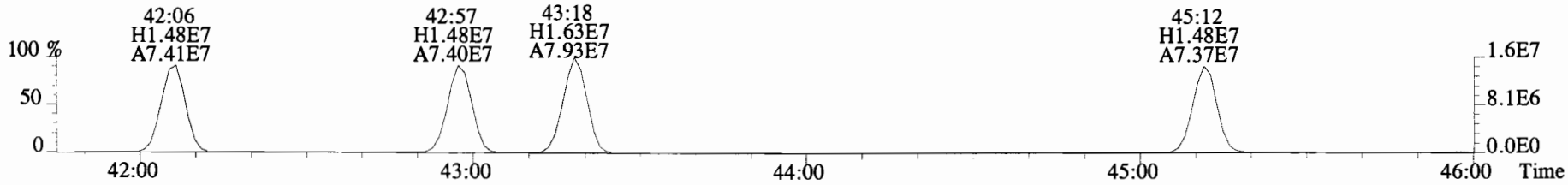

327.8775 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6048.0,0.00%,F,F)



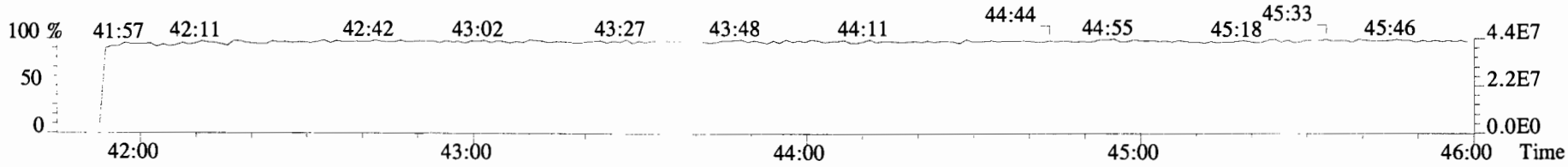

337.9207 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11932.0,0.00%,F,F)



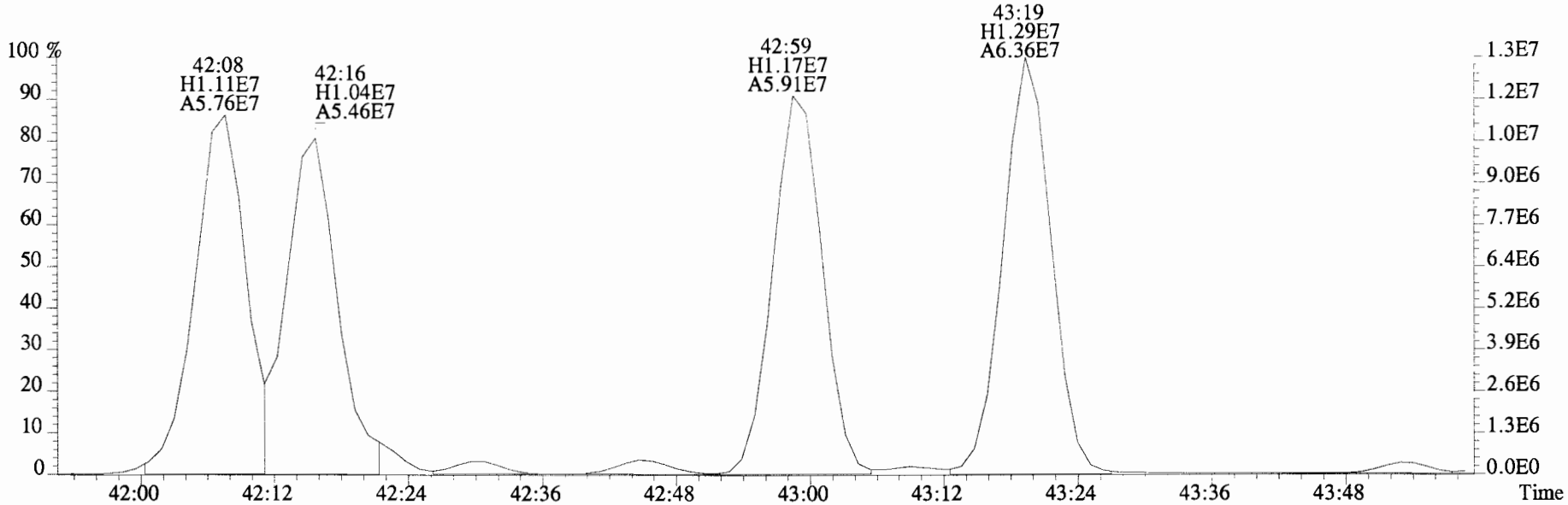

339.9177 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7544.0,0.00%,F,F)



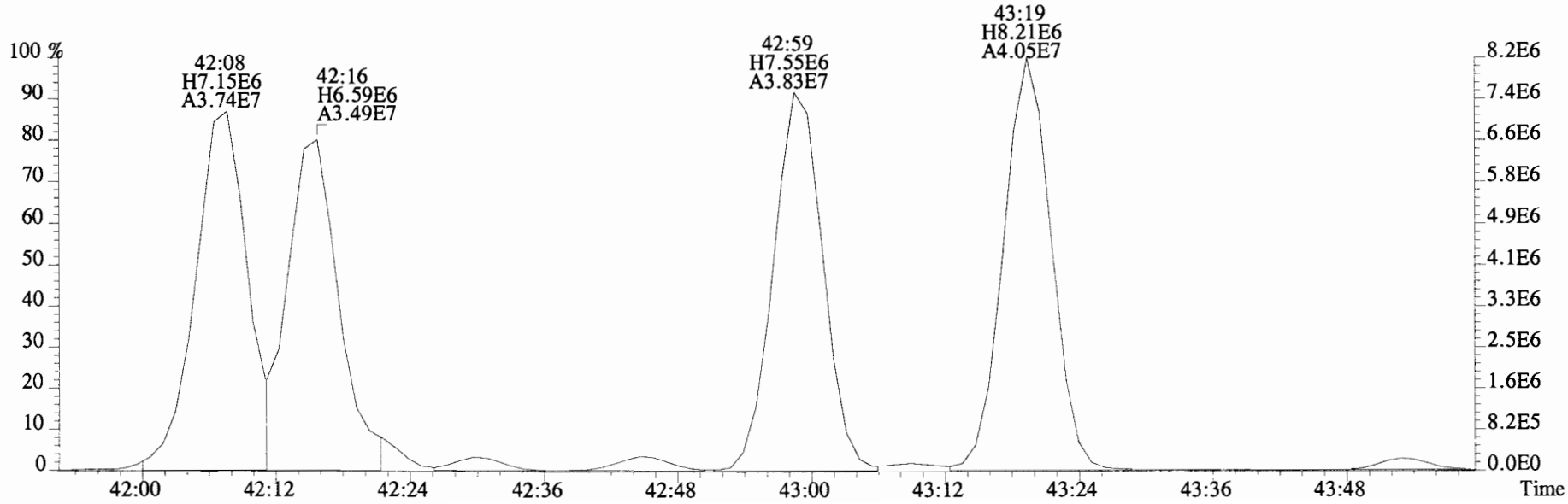

380.9760 F:4



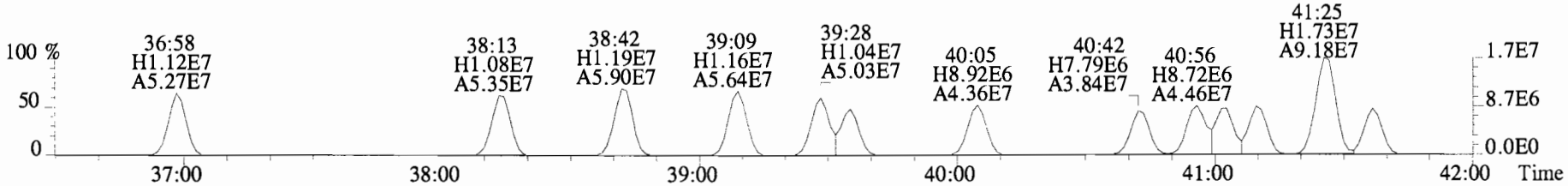
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7292.0,0.00%,F,F)



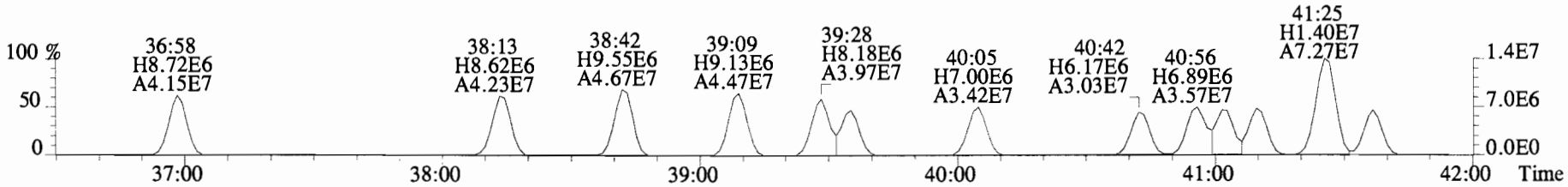

327.8775 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6048.0,0.00%,F,F)



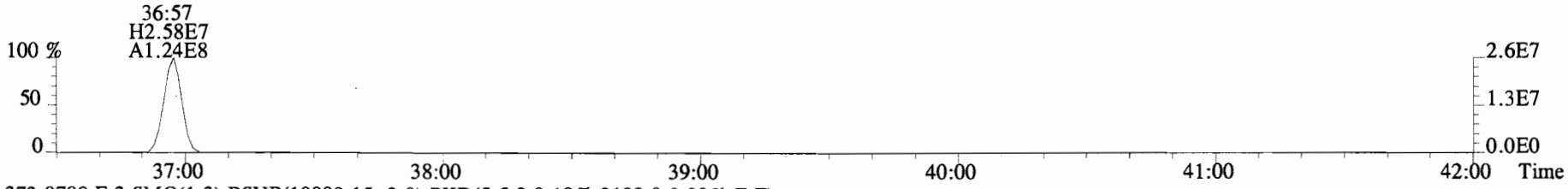
File:180409E2 #1-756 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2704.0,0.00%,F,F)



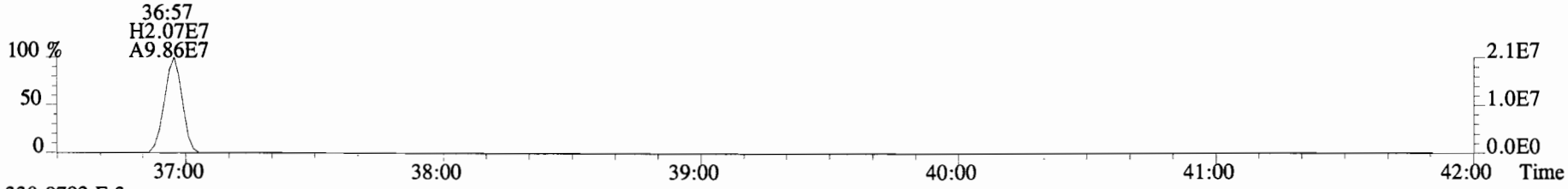

361.8385 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



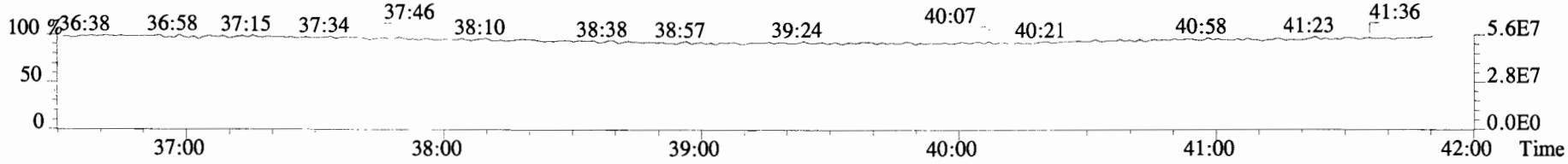

371.8817 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2600.0,0.00%,F,F)



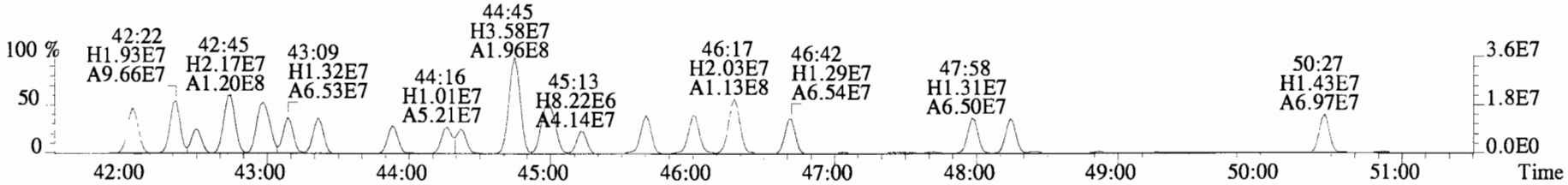

373.8788 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3188.0,0.00%,F,F)



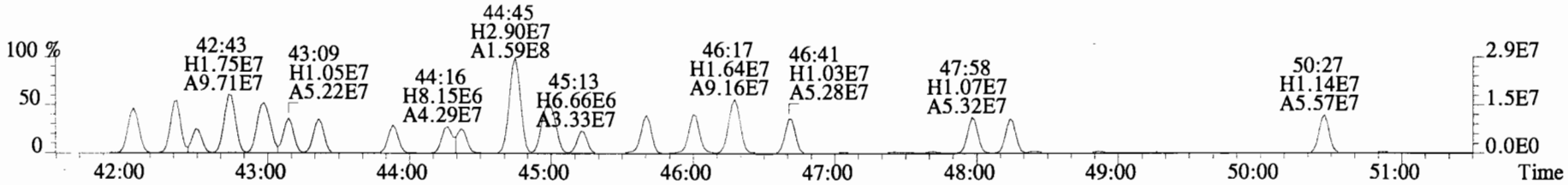

330.9792 F:3



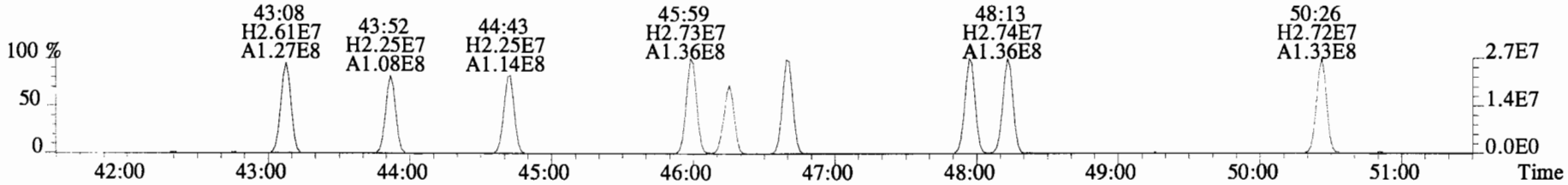
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,53336.0,0.00%,F,F)



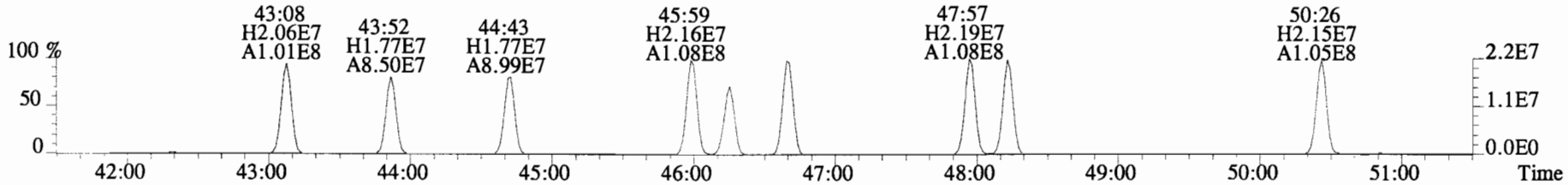

361.8385 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27940.0,0.00%,F,F)



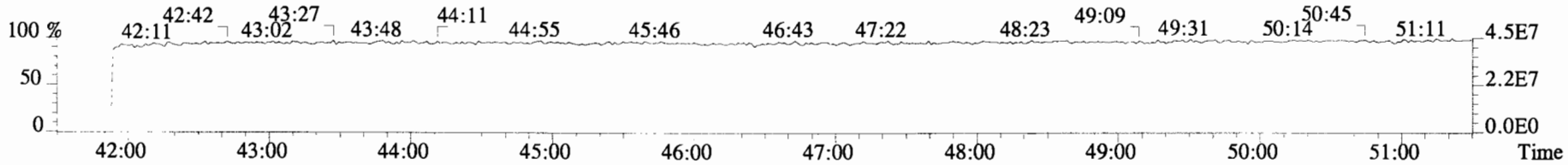

371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18936.0,0.00%,F,F)



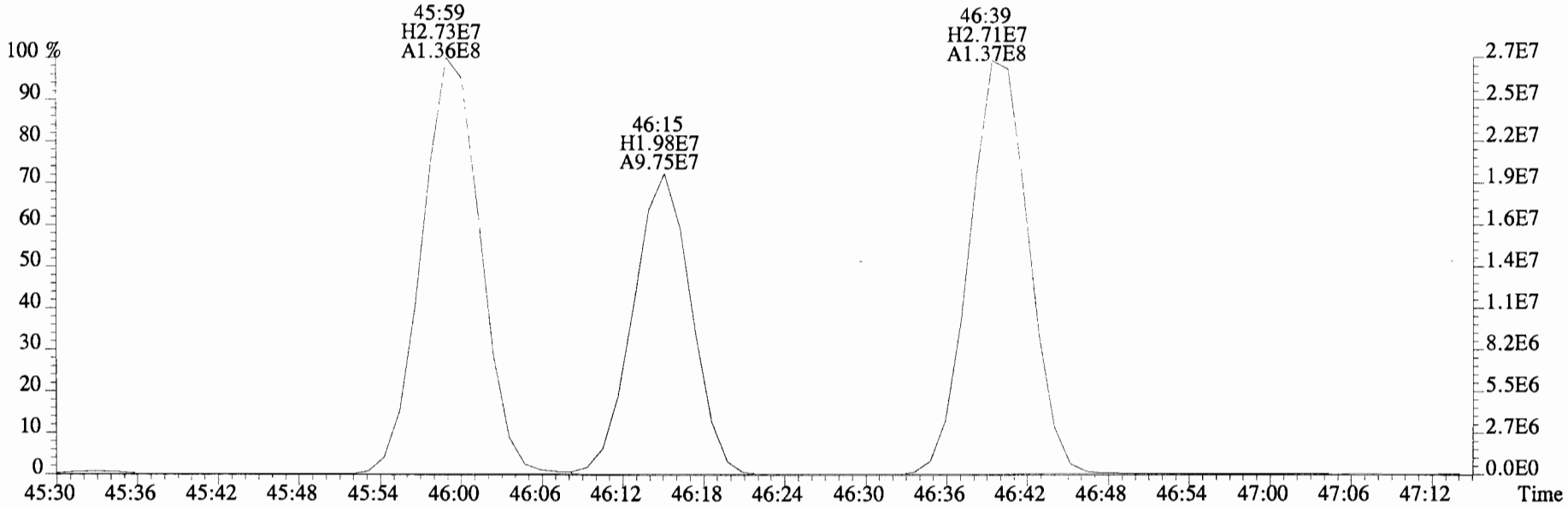

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13092.0,0.00%,F,F)



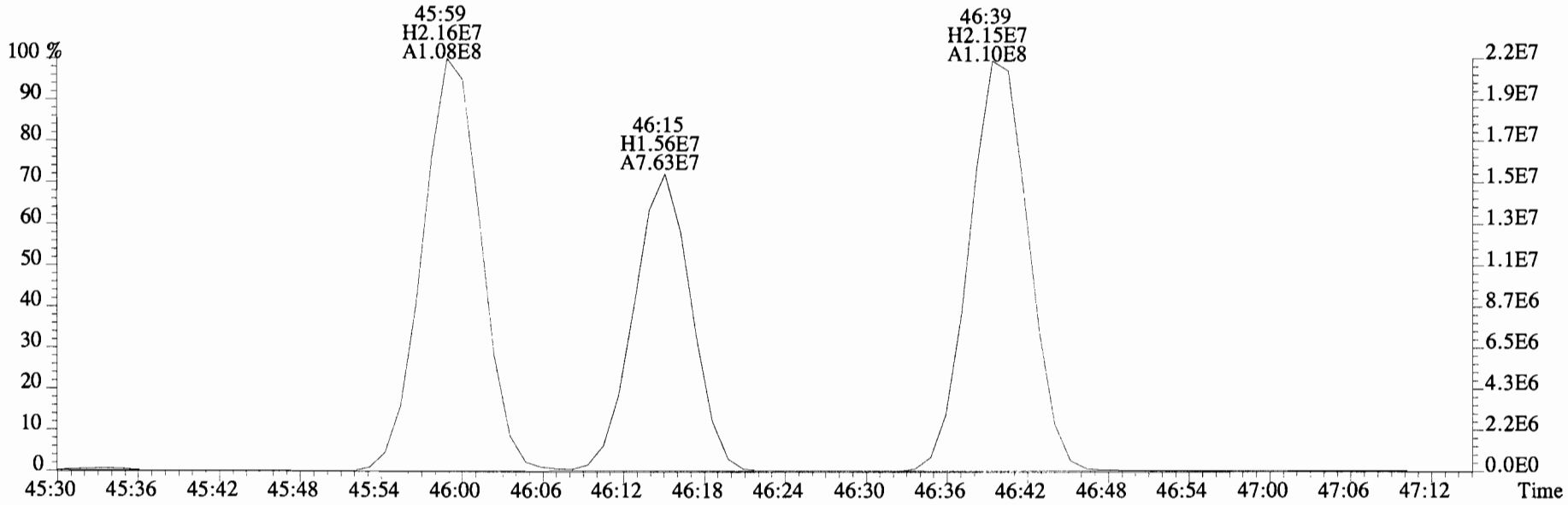

380.9760 F:4



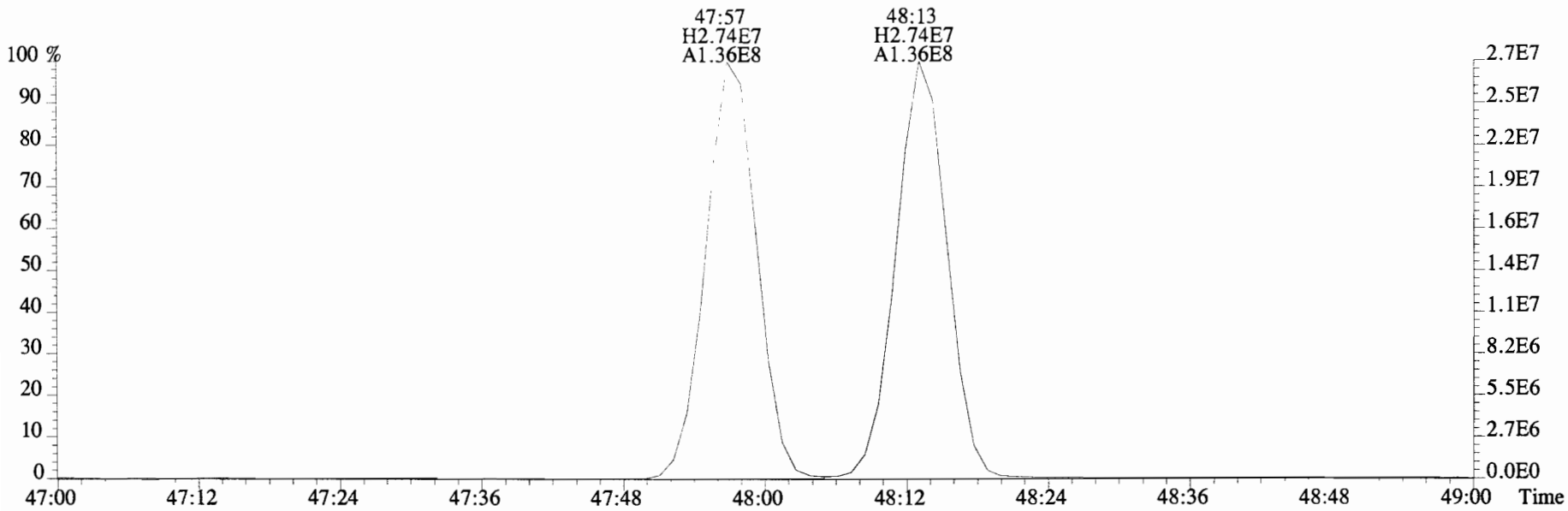
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18936.0,0.00%,F,F)



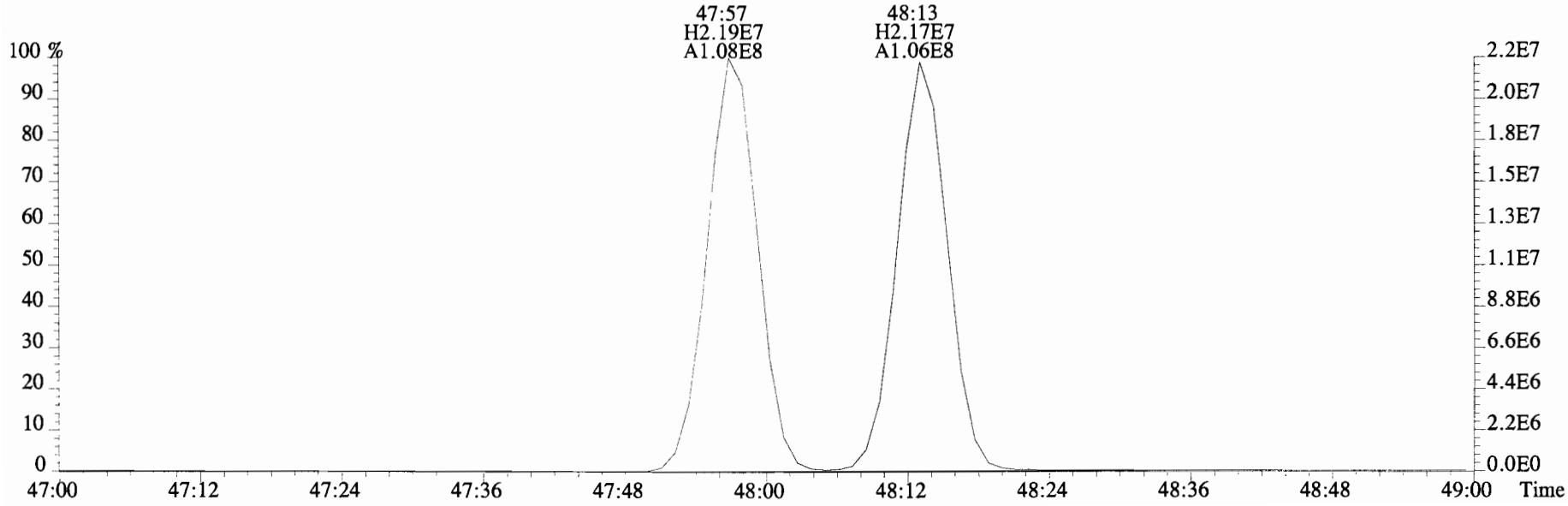

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13092.0,0.00%,F,F)



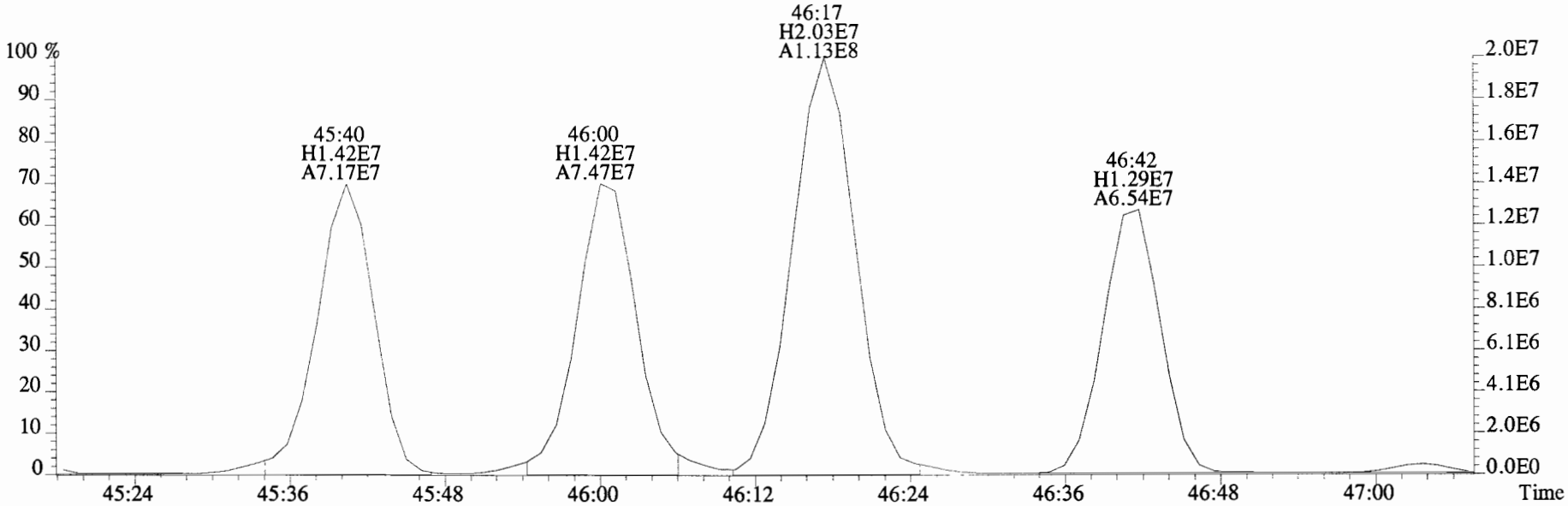
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18936.0,0.00%,F,F)



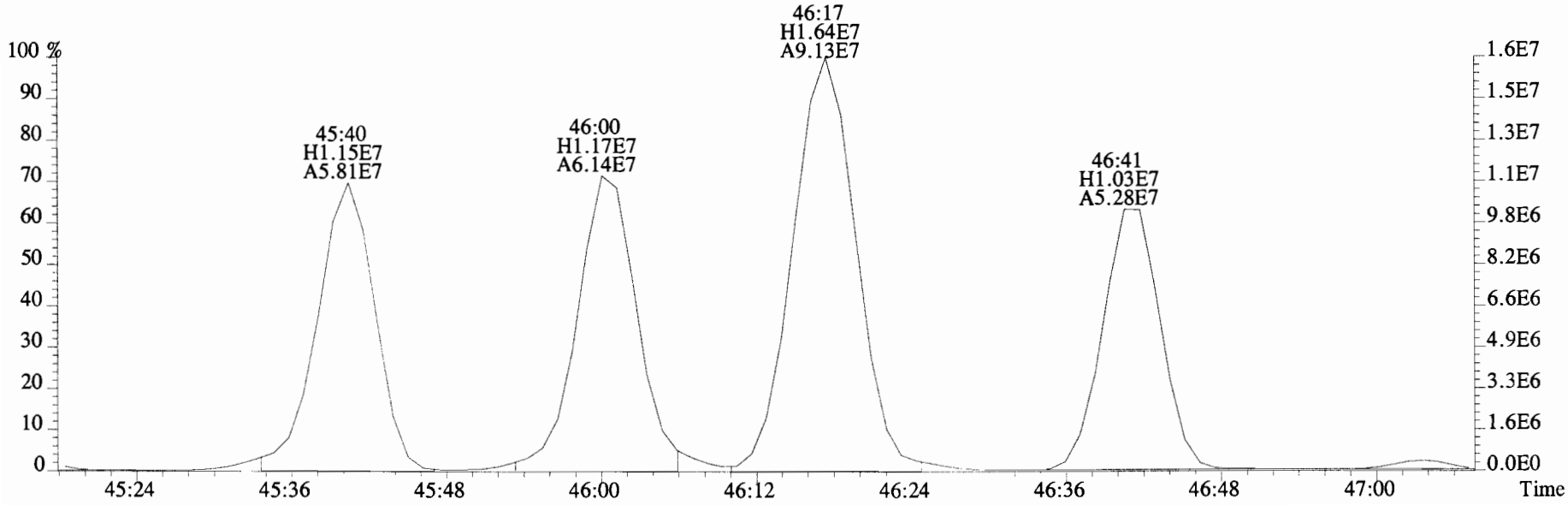

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13092.0,0.00%,F,F)



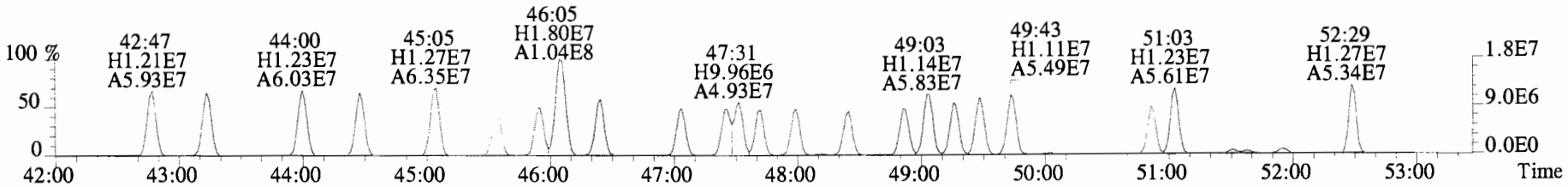
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,53336.0,0.00%,F,F)



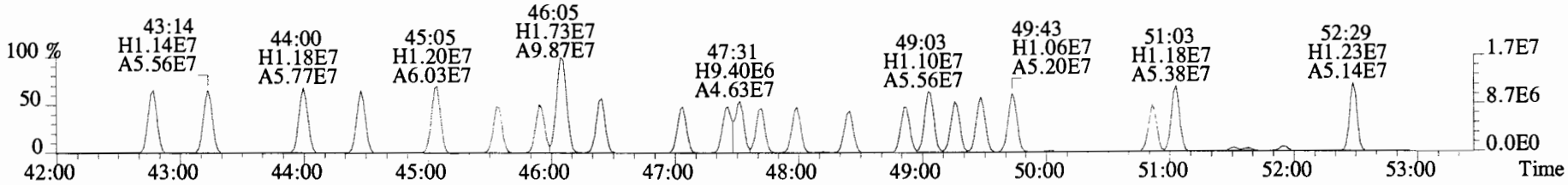

361.8385 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27940.0,0.00%,F,F)



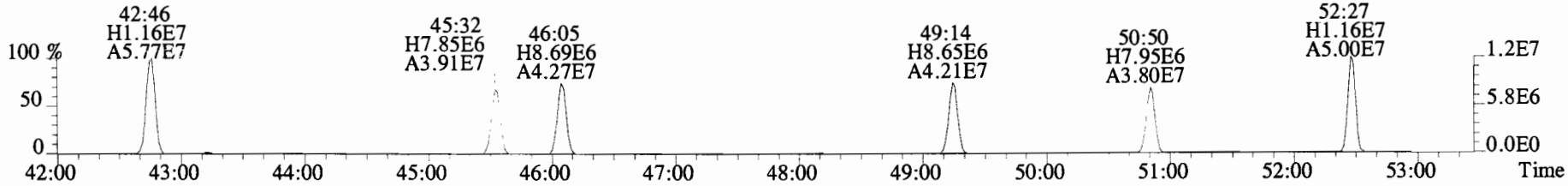
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
393.8025 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23132.0,0.00%,F,F)



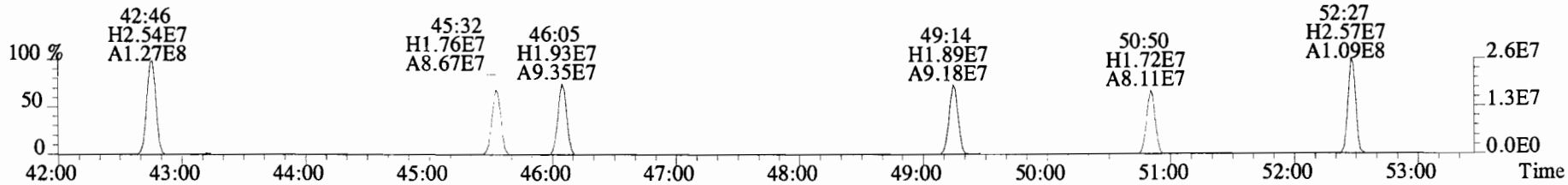

395.7995 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24984.0,0.00%,F,F)



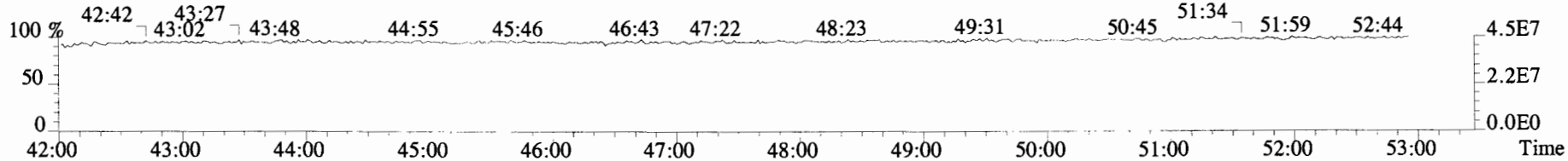

403.8457 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4968.0,0.00%,F,F)



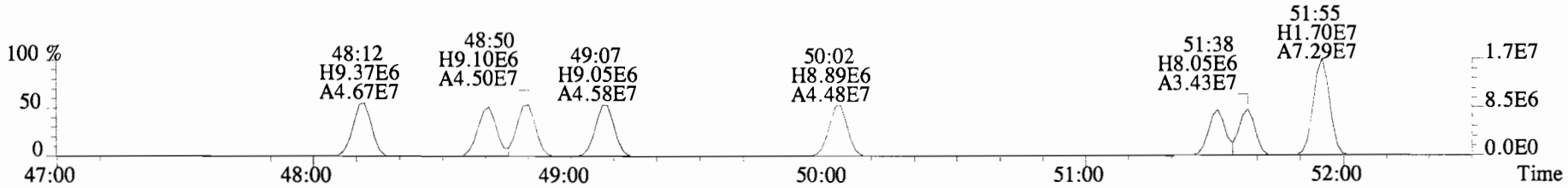

405.8428 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12092.0,0.00%,F,F)



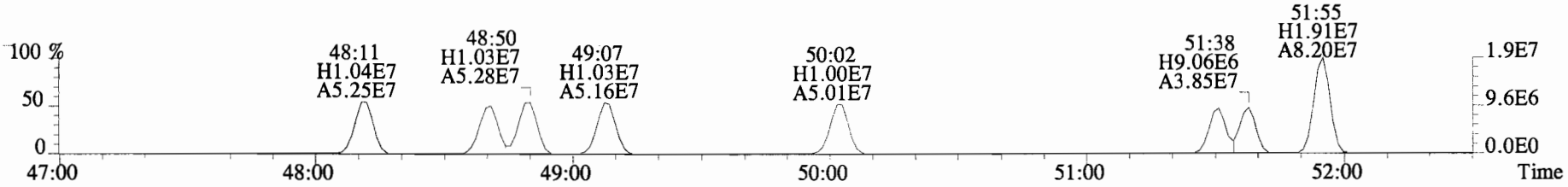

380.9760 F:4



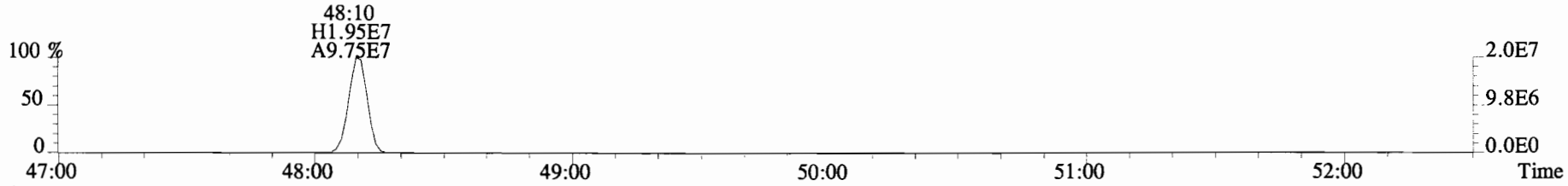
File:180409E2 #1-574 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
427.7635 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1668.0,0.00%,F,F)



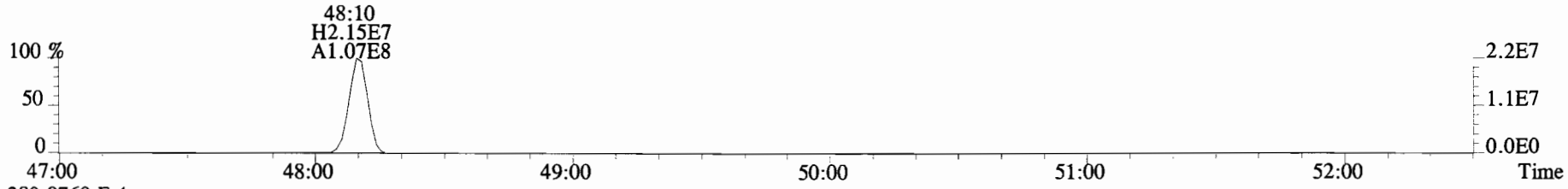

429.7606 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4292.0,0.00%,F,F)



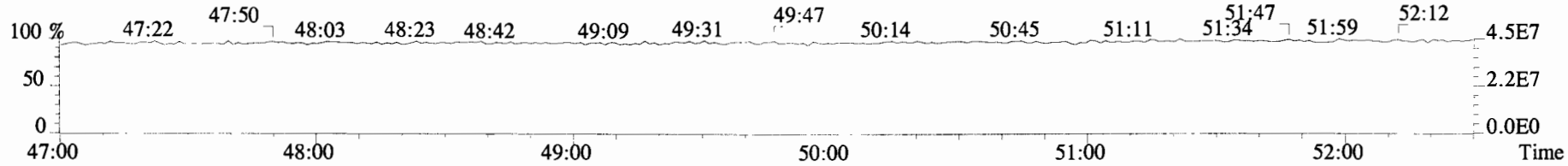

439.8038 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1832.0,0.00%,F,F)



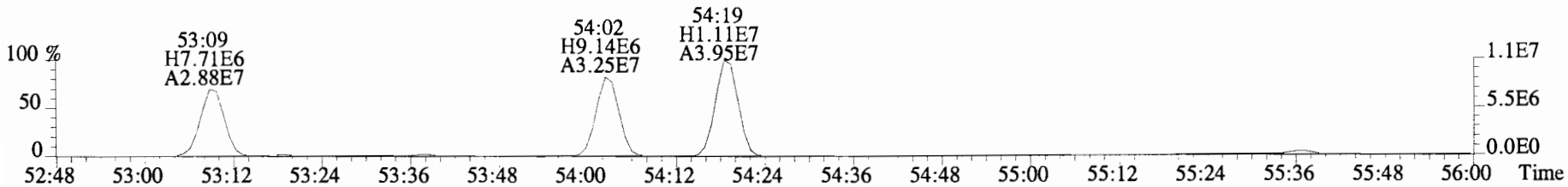

441.8008 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2832.0,0.00%,F,F)



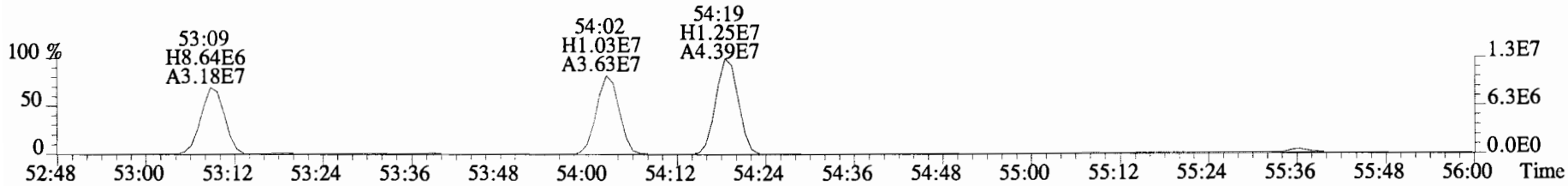

380.9760 F:4



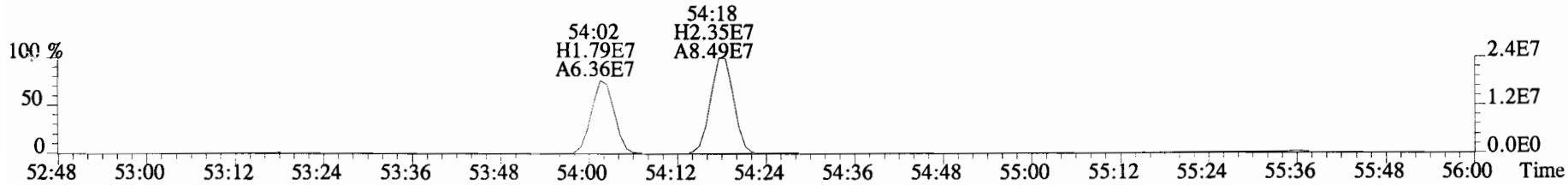
File:180409E2 #1-407 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
427.7635 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3796.0,0.00%,F,F)



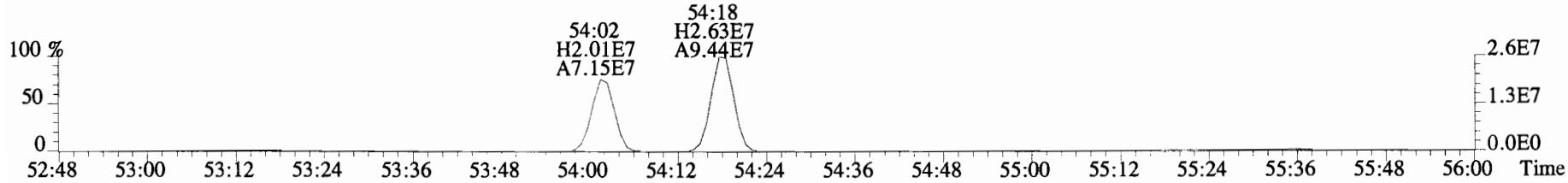

429.7606 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27124.0,0.00%,F,F)



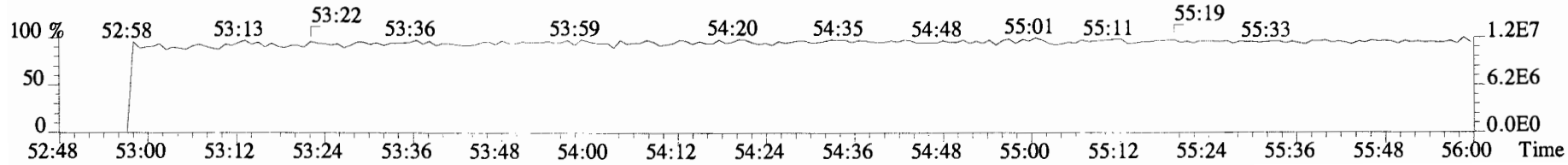

439.8038 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4928.0,0.00%,F,F)



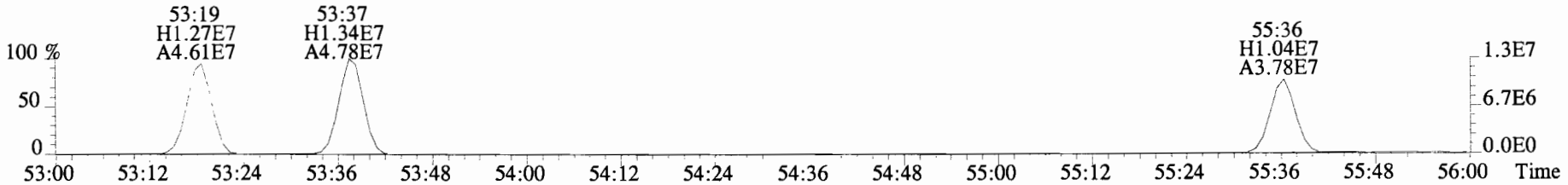

441.8008 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6088.0,0.00%,F,F)



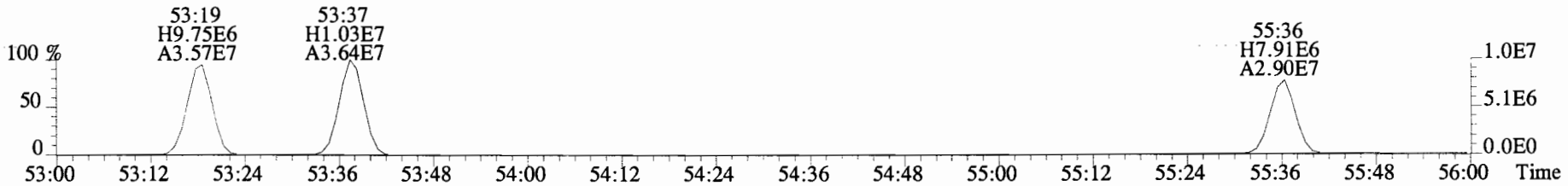

492.9697 F:5



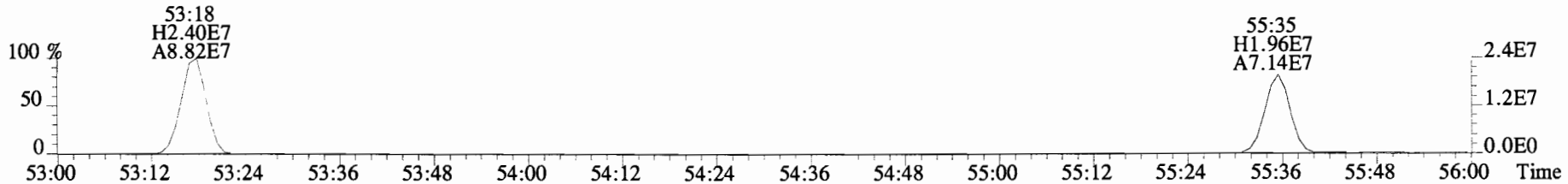
File:180409E2 #1-407 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
463.7216 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19272.0,0.00%,F,F)



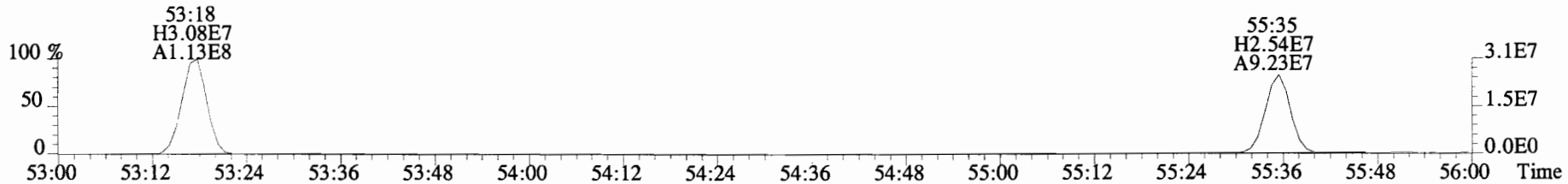

465.7186 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15468.0,0.00%,F,F)



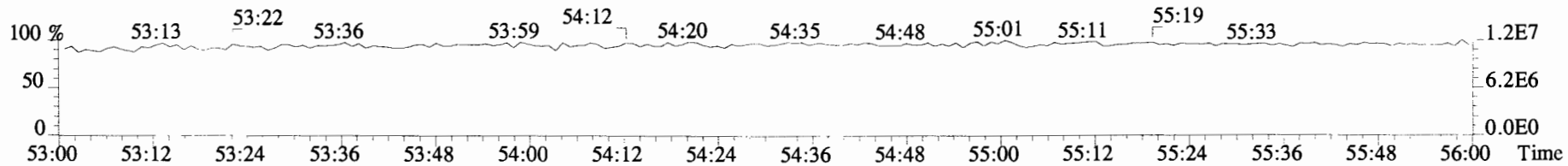

473.7648 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,26808.0,0.00%,F,F)



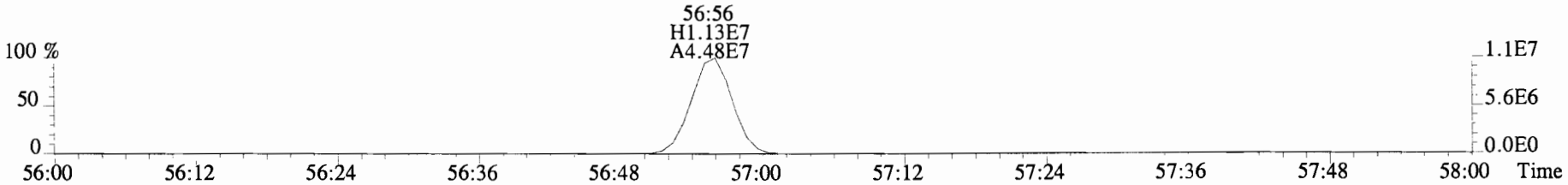

475.7619 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31672.0,0.00%,F,F)



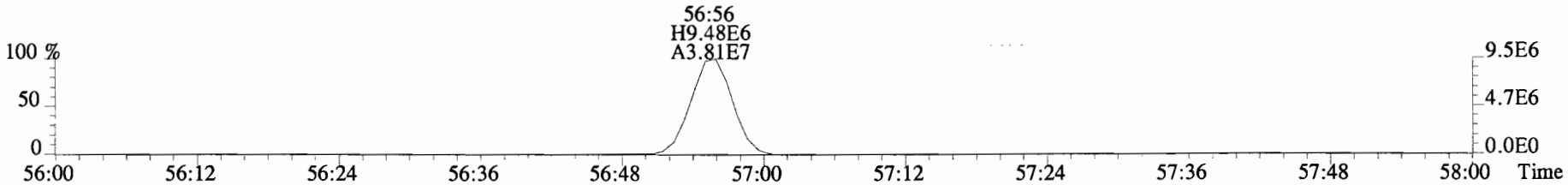

492.9697 F:5



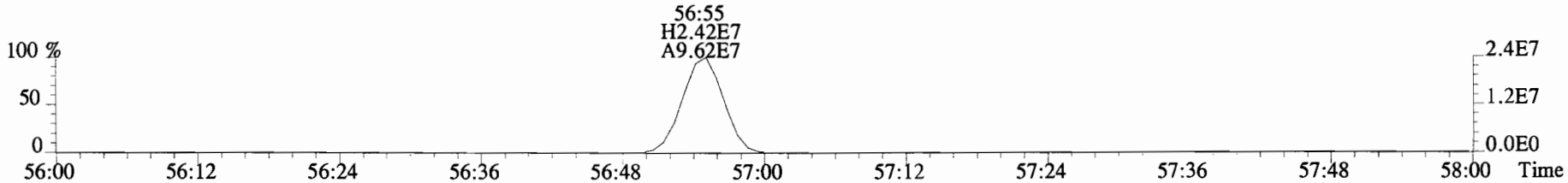
File:180409E2 #1-407 Acq:10-APR-2018 06:47:25 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180409E2-1 PCB CS3 17L3006 Exp:PCB_ZB1
497.6826 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1268.0,0.00%,F,F)



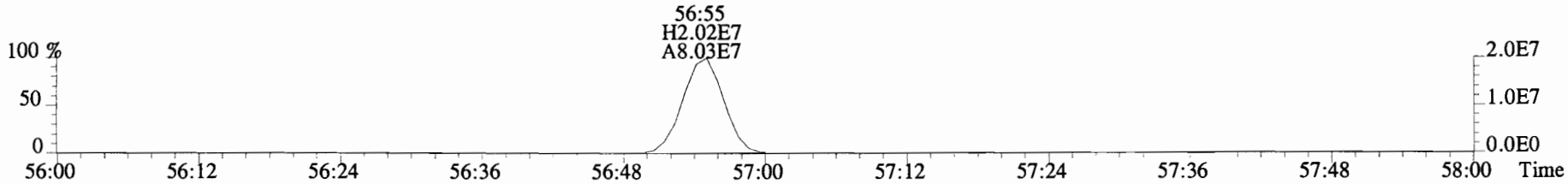

499.6797 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1128.0,0.00%,F,F)



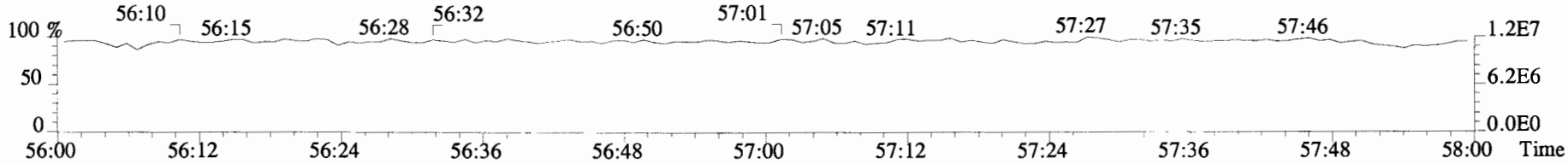

509.7229 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1264.0,0.00%,F,F)




511.7199 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1408.0,0.00%,F,F)

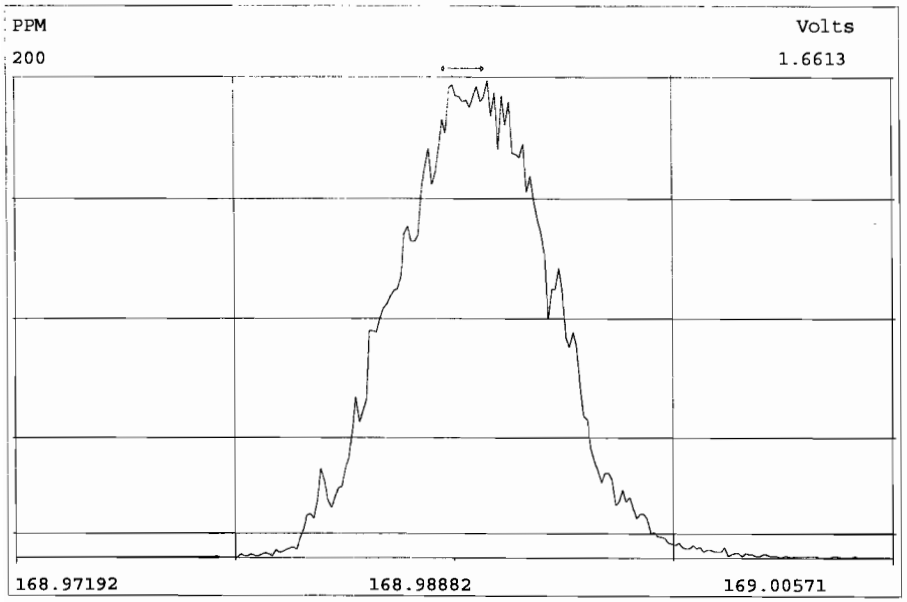


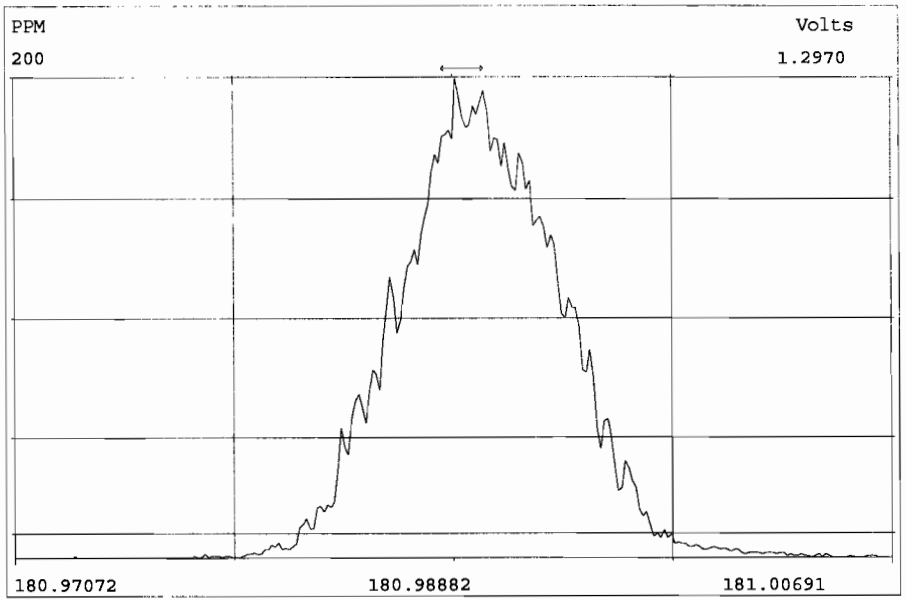

492.9697 F:5

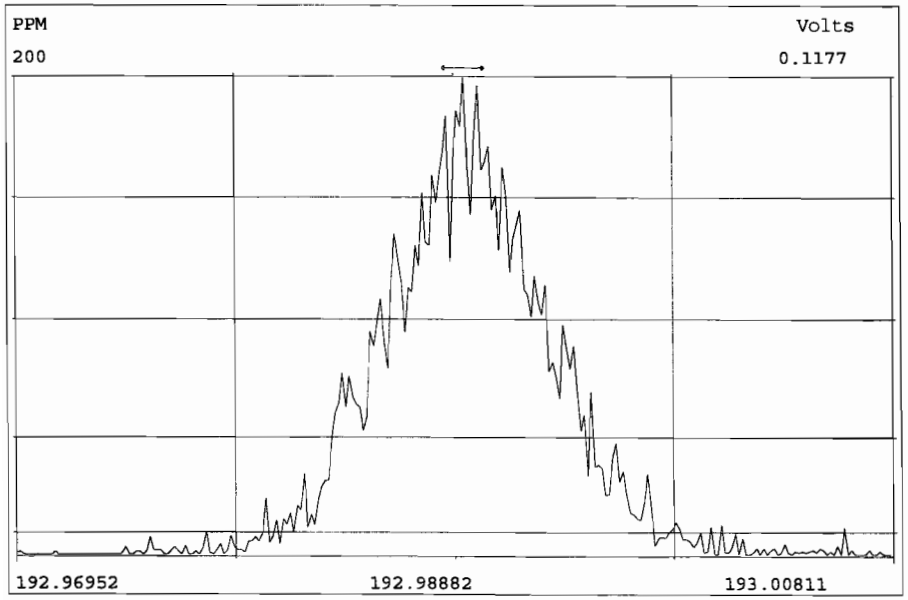


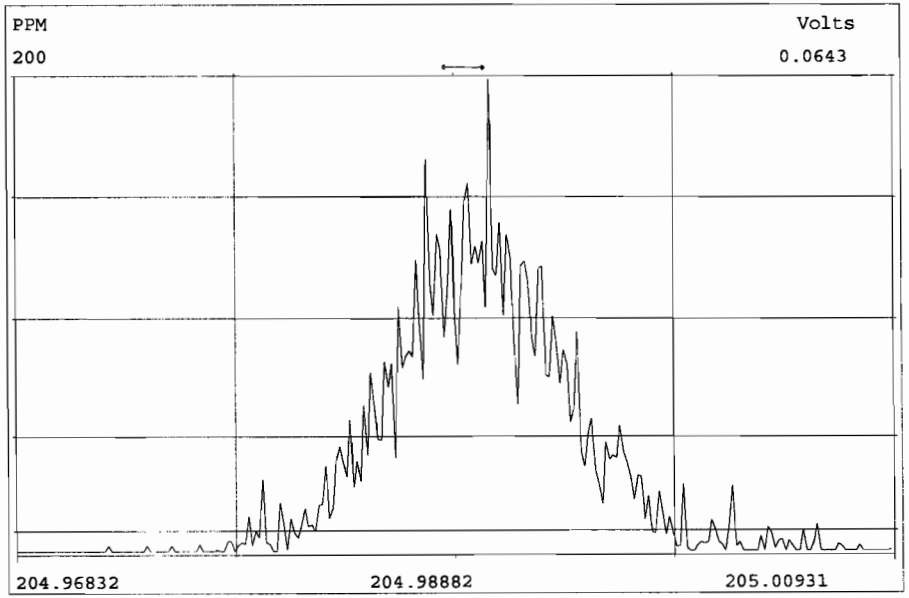
Peak Locate Examination:10-APR-2018:19:56 File:RES_CHECK

Experiment:PCB_ZB1 Function:1 Reference:PFK



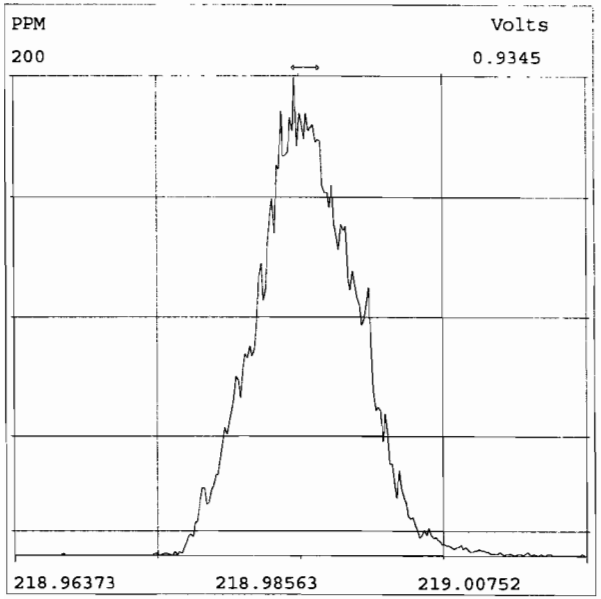



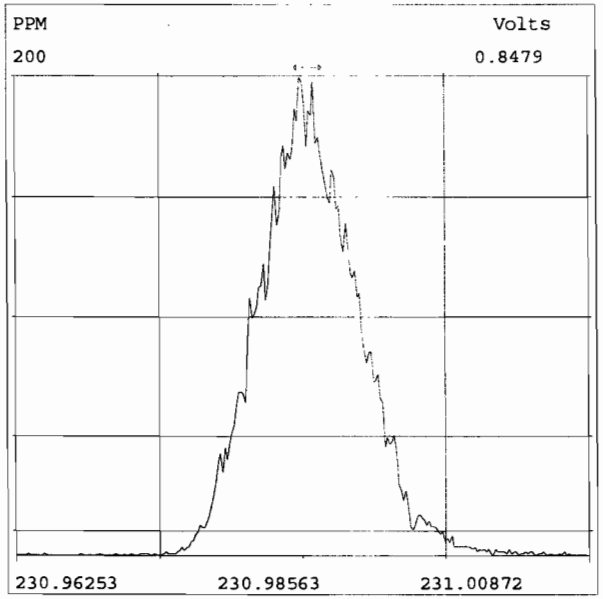



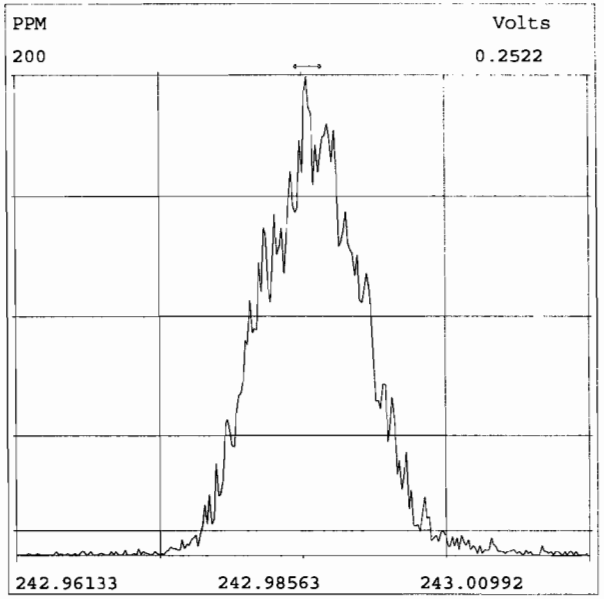



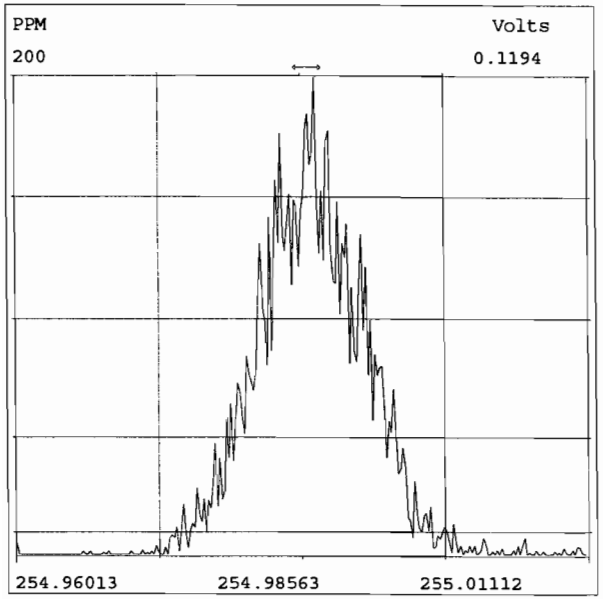
Peak Locate Examination:10-APR-2018:19:57 File:RES_CHECK

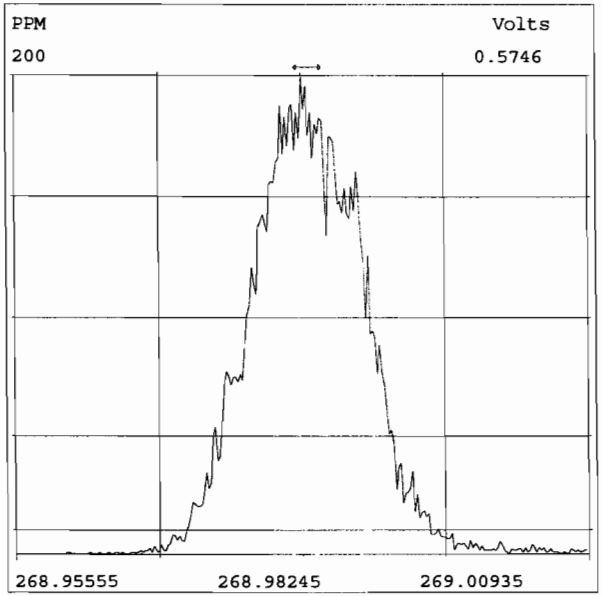
Experiment:PCB_ZB1 Function:2 Reference:PFK

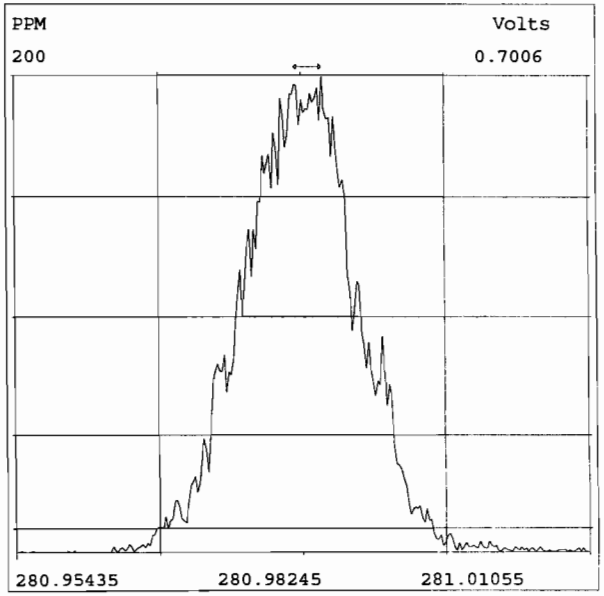


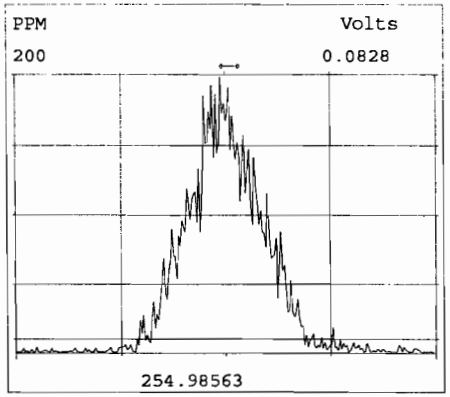



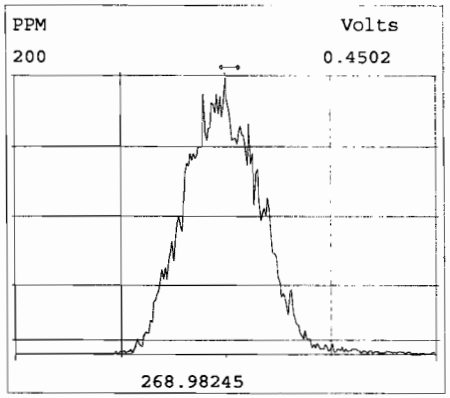



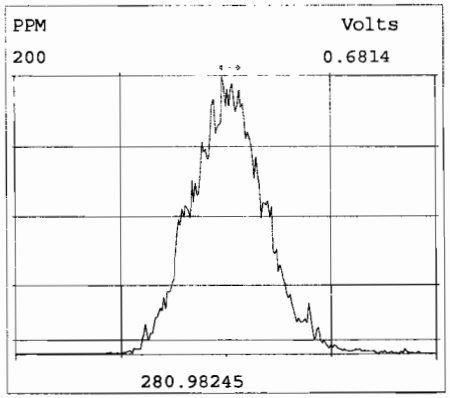



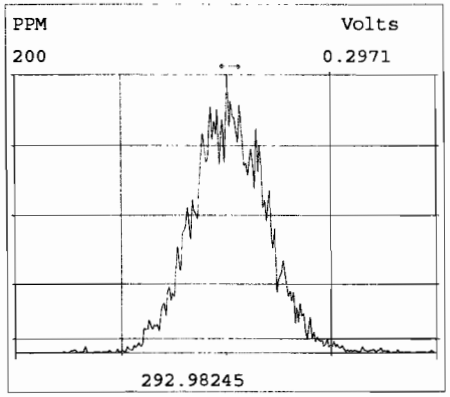
Peak Locate Examination:10-APR-2018:19:58 File:RES_CHECK

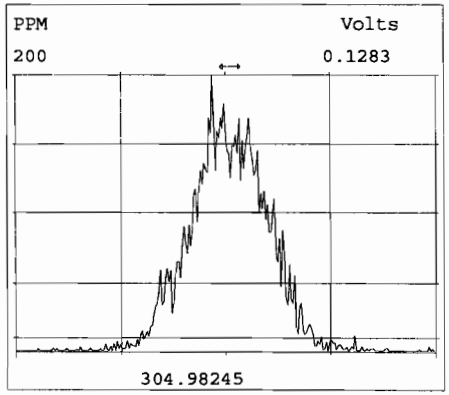
Experiment:PCB_ZB1 Function:3 Reference:PFK

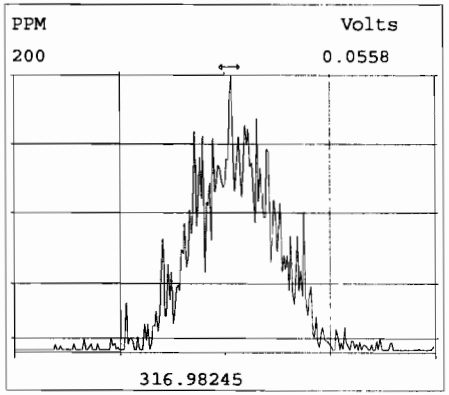


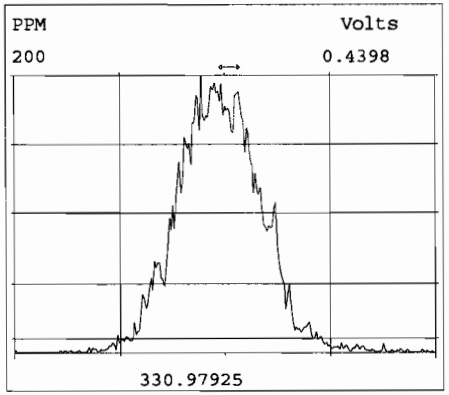



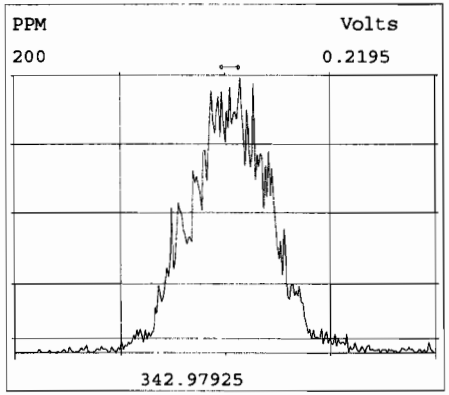



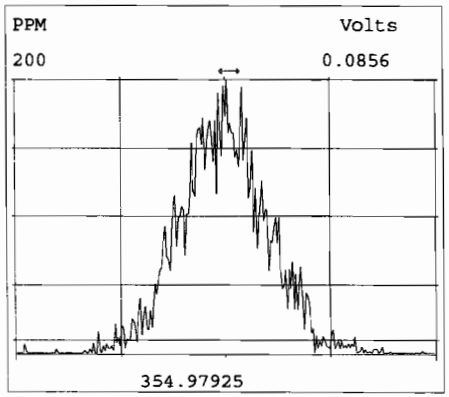



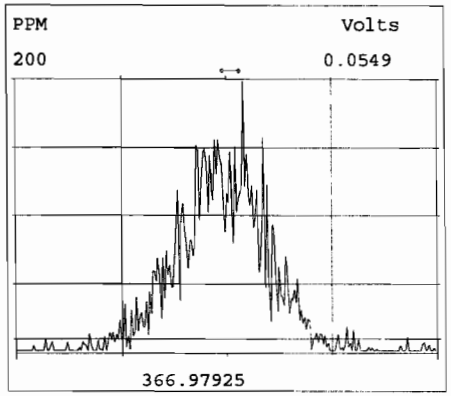



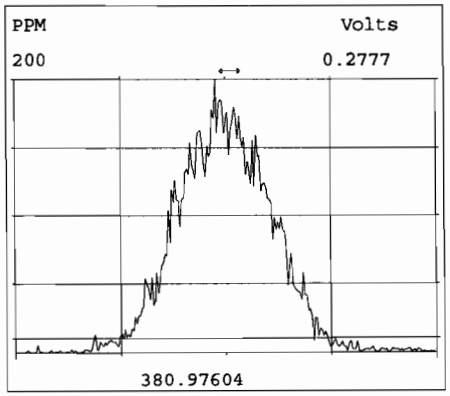



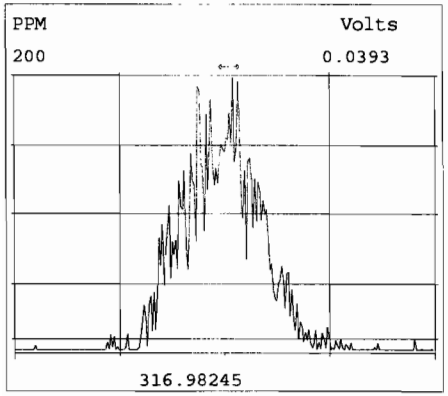



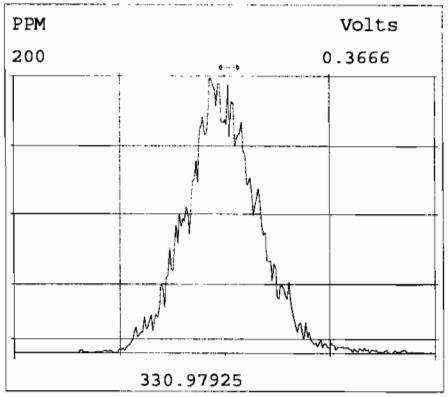



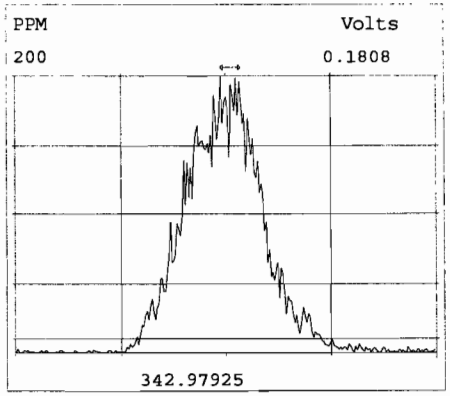



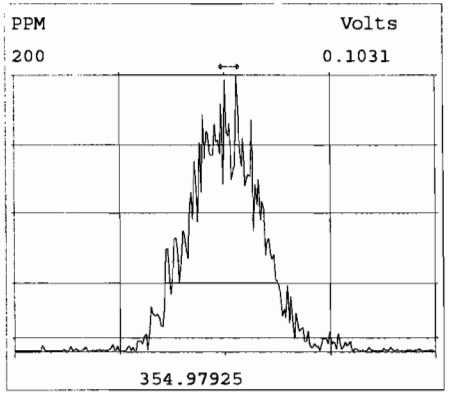
Peak Locate Examination:10-APR-2018:19:59 File:RES_CHECK

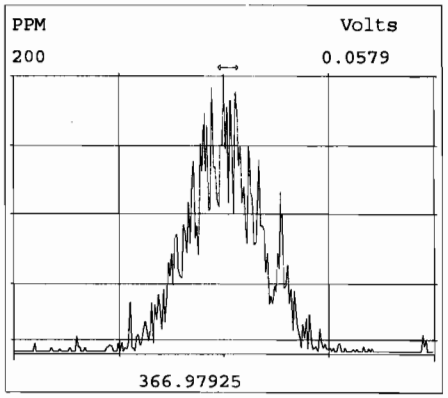
Experiment:PCB_ZB1 Function:4 Reference:PFK

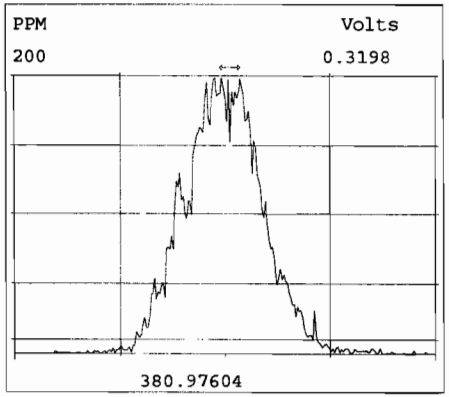


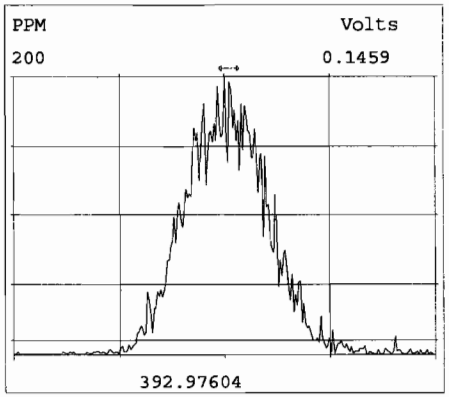



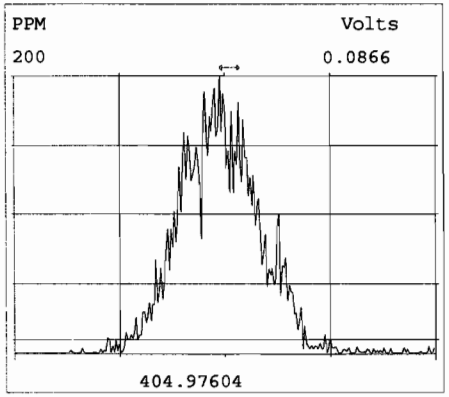



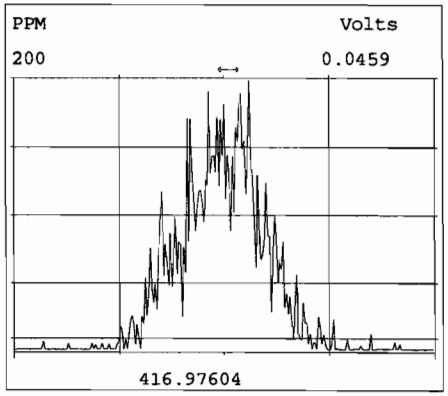



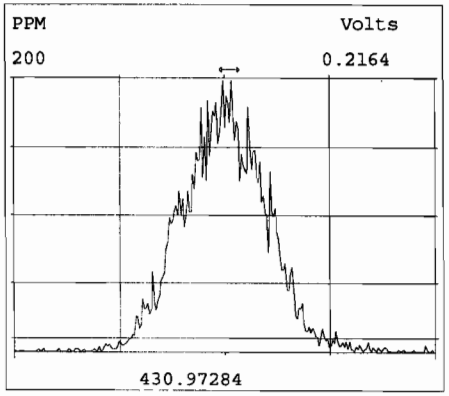



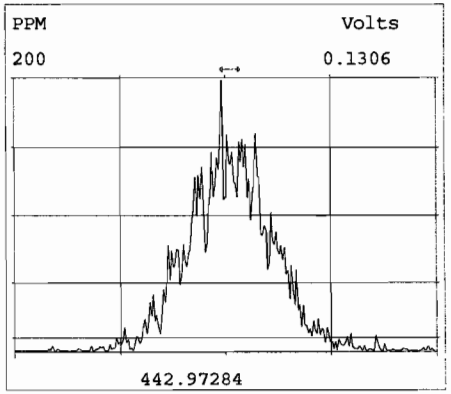



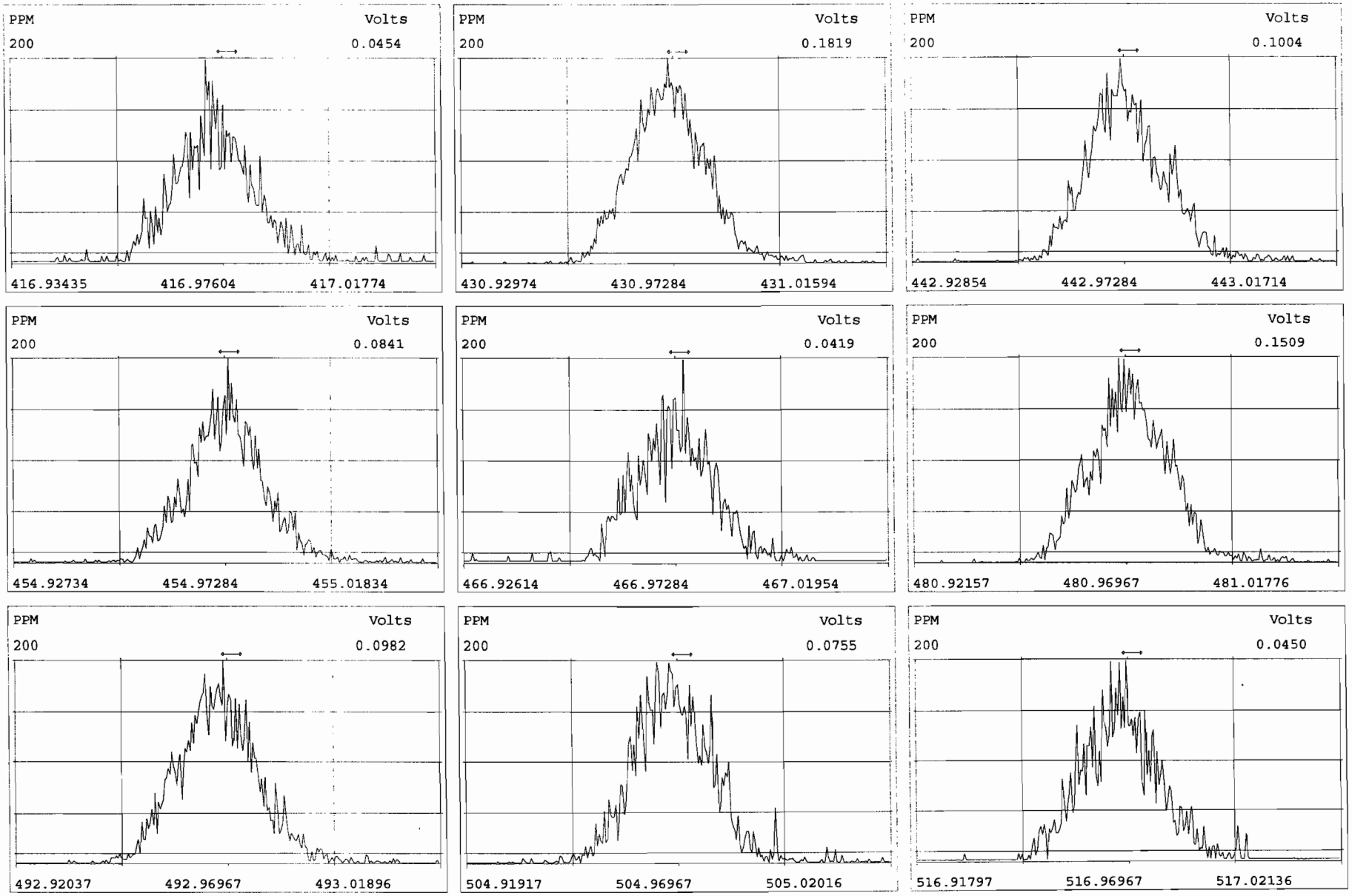



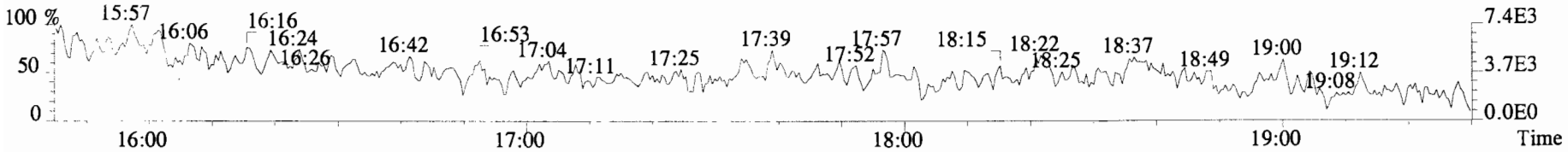
Peak Locate Examination:10-APR-2018:20:00 File:RES_CHECK

Experiment:PCB_ZB1 Function:5 Reference:PFK

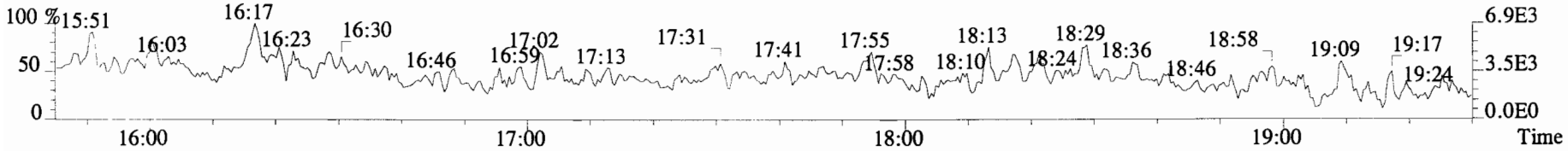


## Solvent Blanks

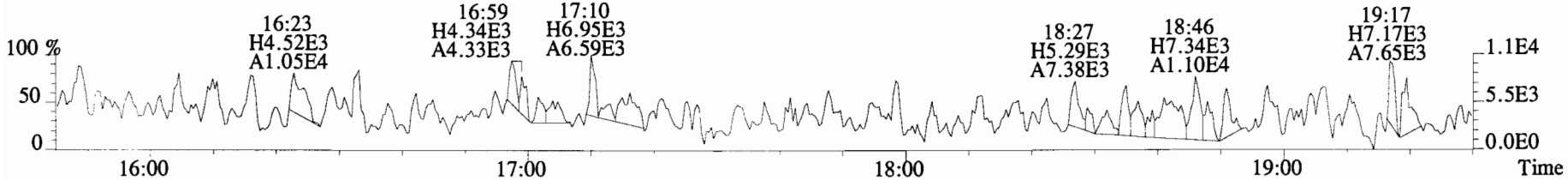
File:180409E1 #1-867 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
188.0393 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4372.0,0.00%,F,F)



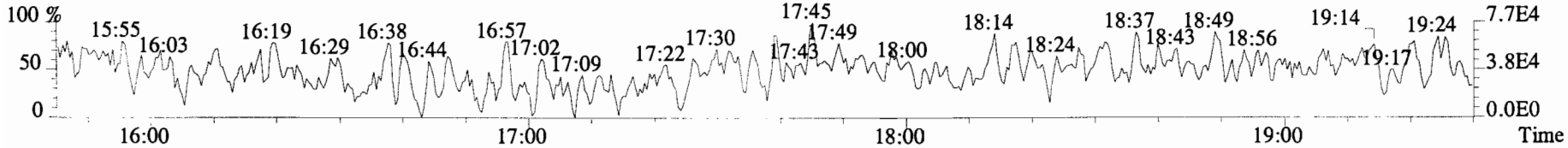

190.0363 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4012.0,0.00%,F,F)



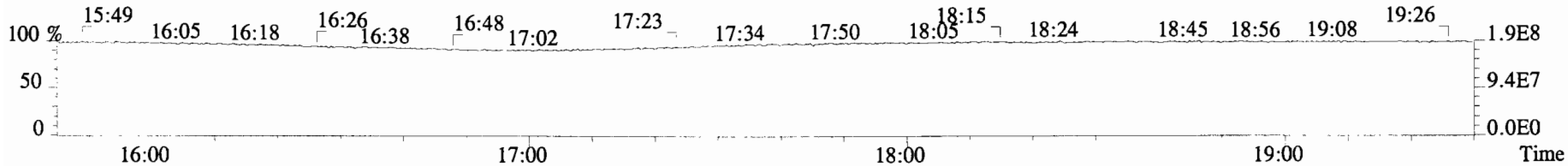

200.0795 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5068.0,0.00%,F,F)



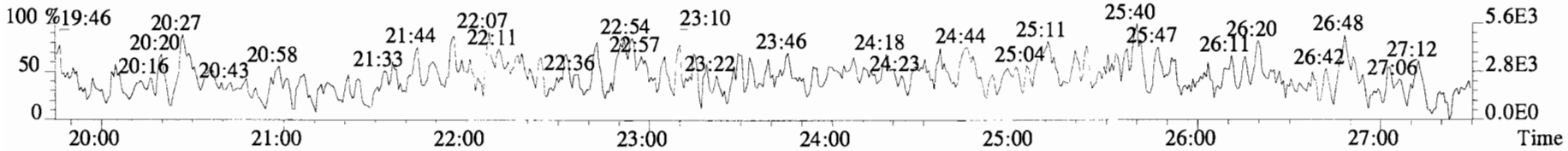

202.0766 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,51560.0,0.00%,F,F)



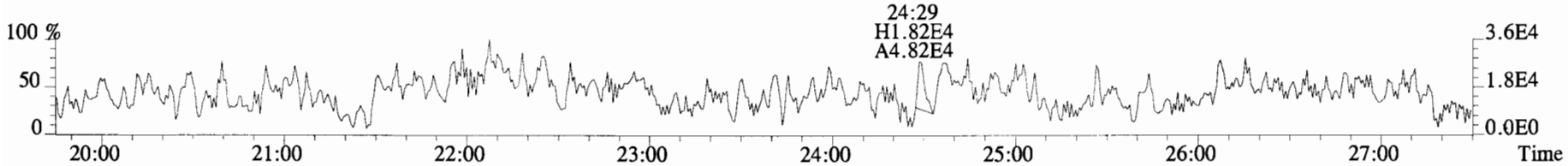

180.9880 S:3



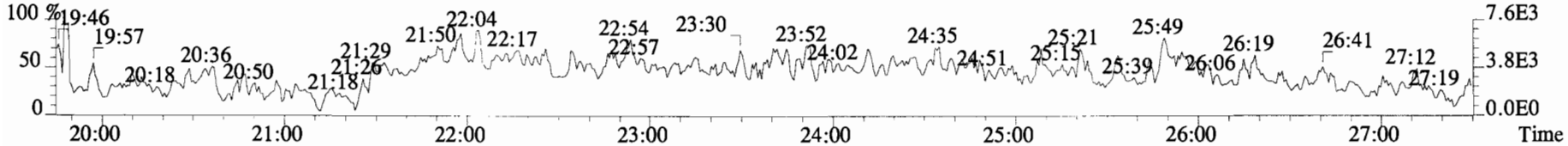
File:180409E1 #1-757 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
222.0003 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3160.0,0.00%,F,F)



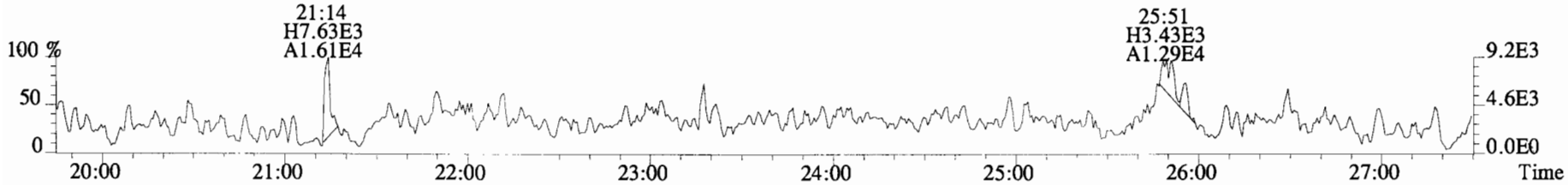

223.9974 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20888.0,0.00%,F,F)



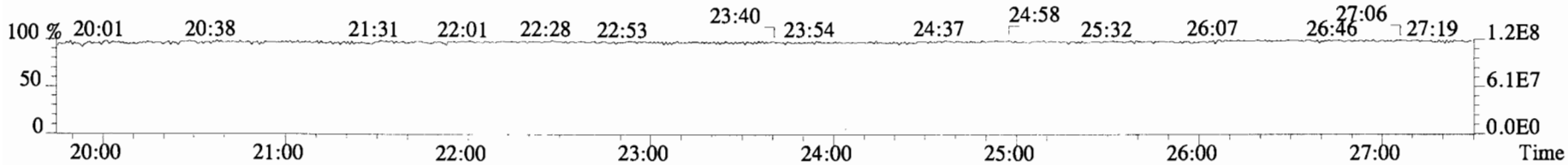

234.0406 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4408.0,0.00%,F,F)



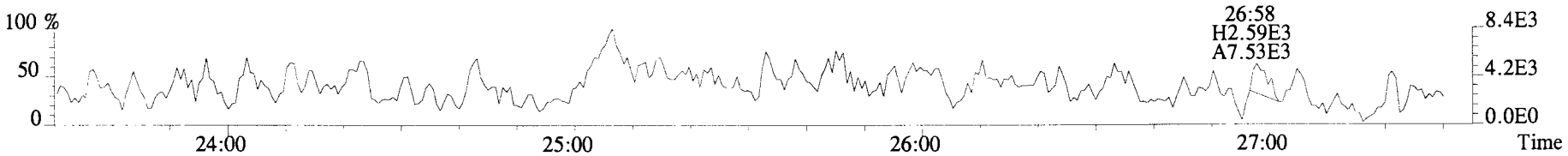

236.0376 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3992.0,0.00%,F,F)



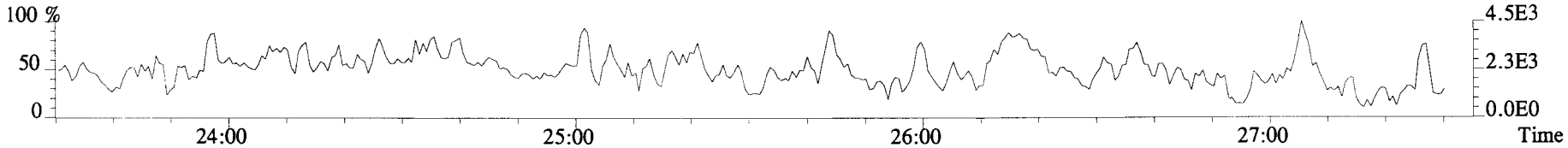

230.9856 S:3 F:2



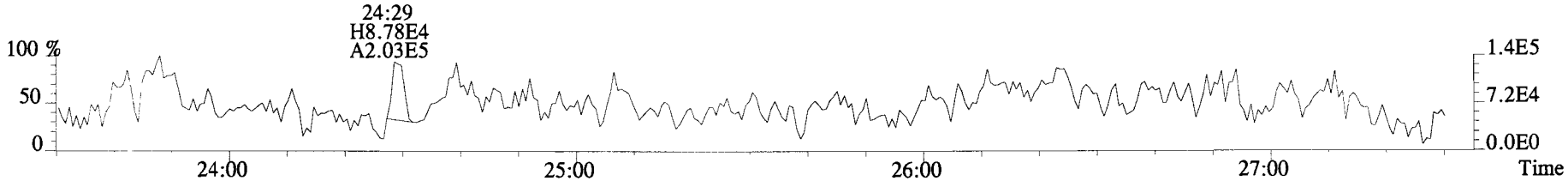
File:180409E1 #1-757 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
255.9613 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4060.0,0.00%,F,F)



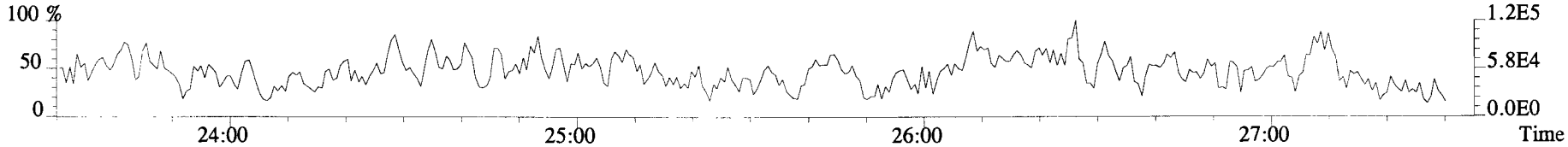

257.9584 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2824.0,0.00%,F,F)



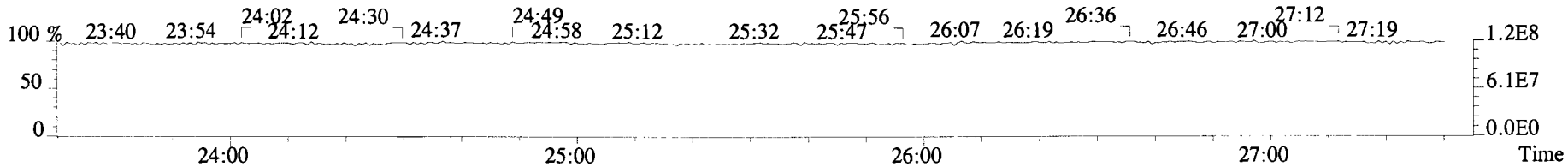

268.0016 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,95880.0,0.00%,F,F)



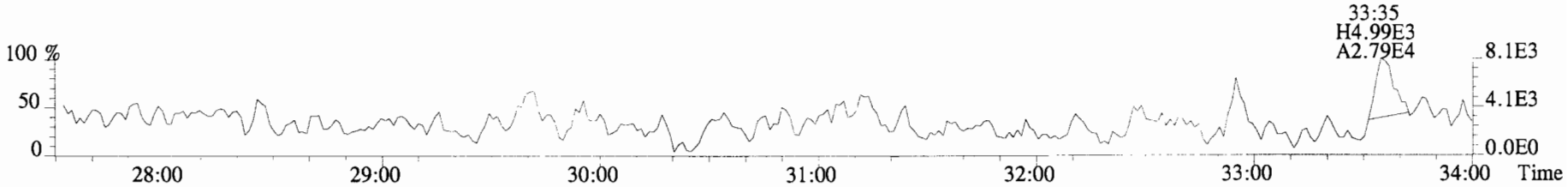

269.9986 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,72296.0,0.00%,F,F)



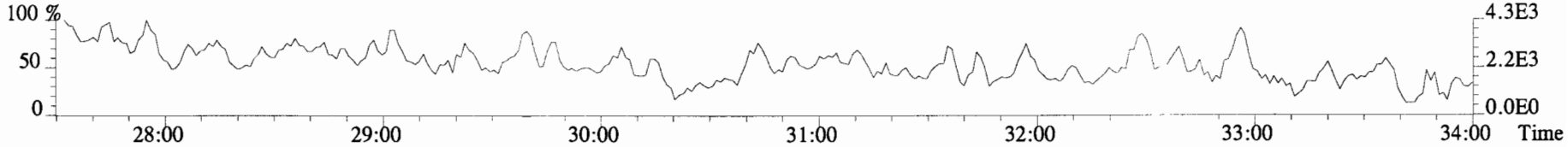

230.9856 S:3 F:2



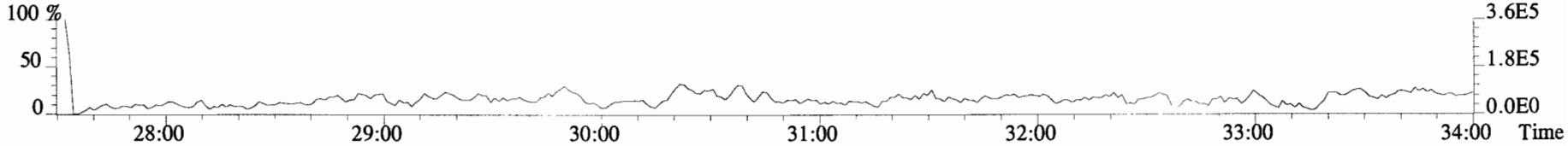
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3472.0,0.00%,F,F)



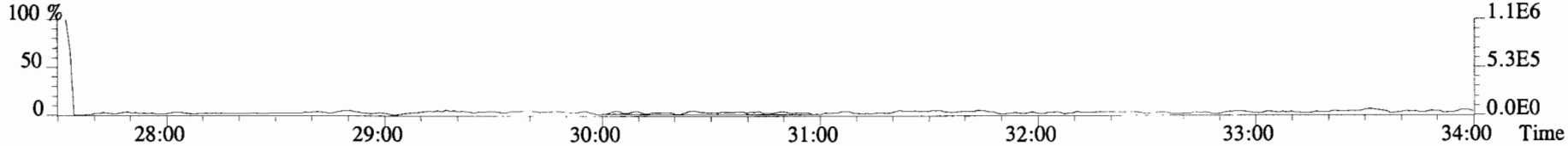

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2780.0,0.00%,F,F)



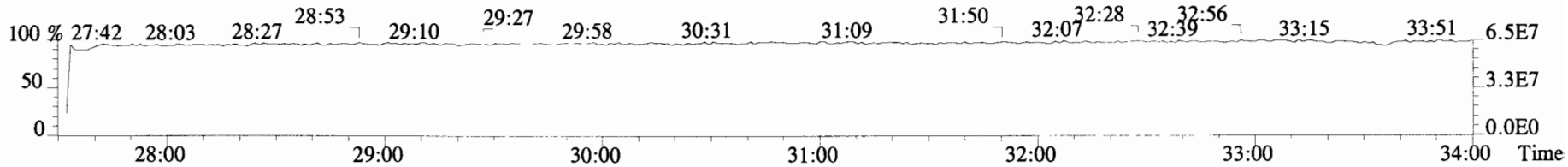

268.0016 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,69612.0,0.00%,F,F)



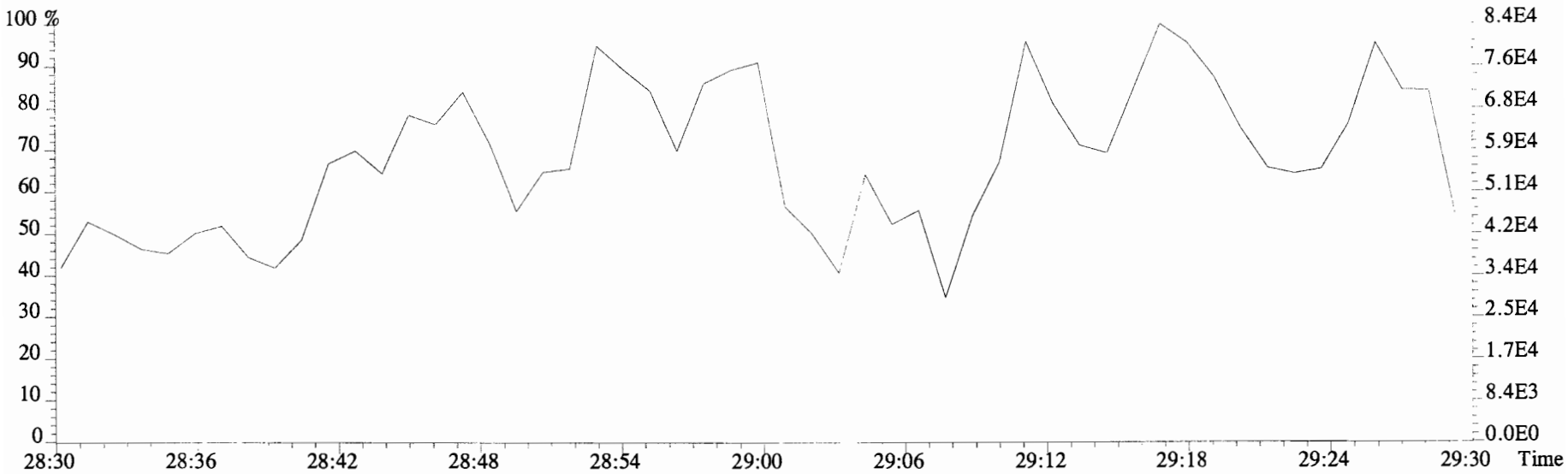

269.9986 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41544.0,0.00%,F,F)



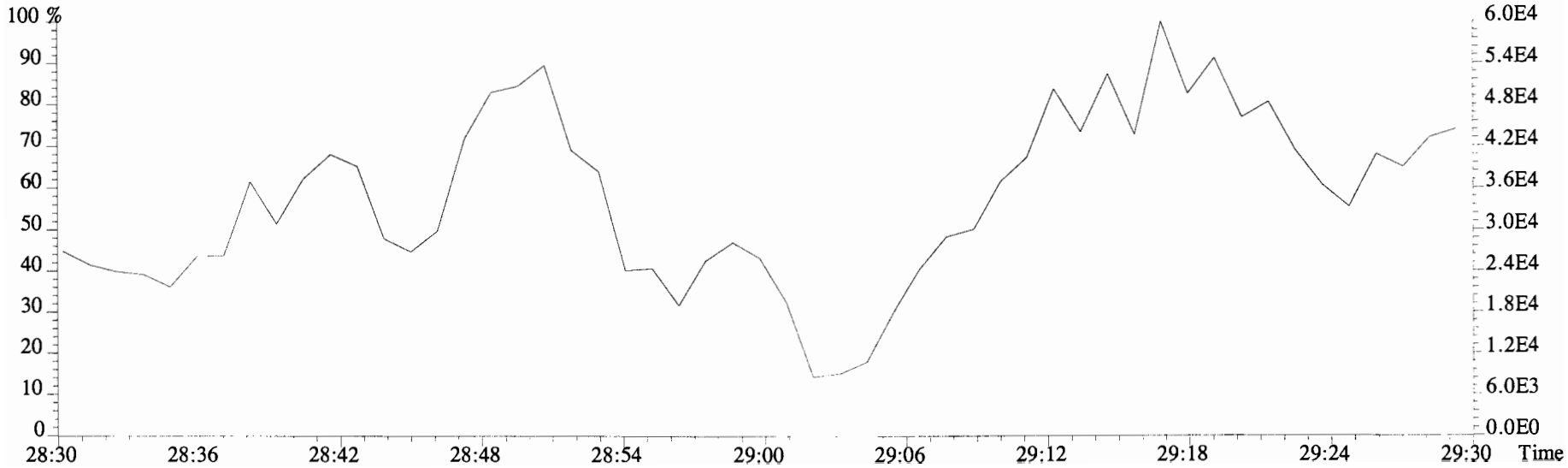

330.9792 S:3 F:3



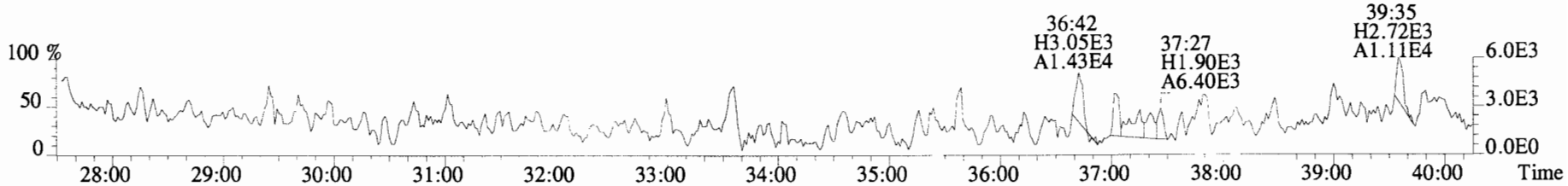
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
268.0016 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,69612.0,0.00%,F,F)



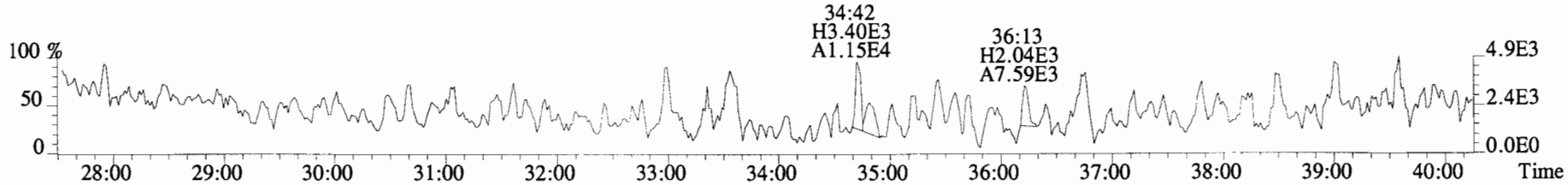

269.9986 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41544.0,0.00%,F,F)



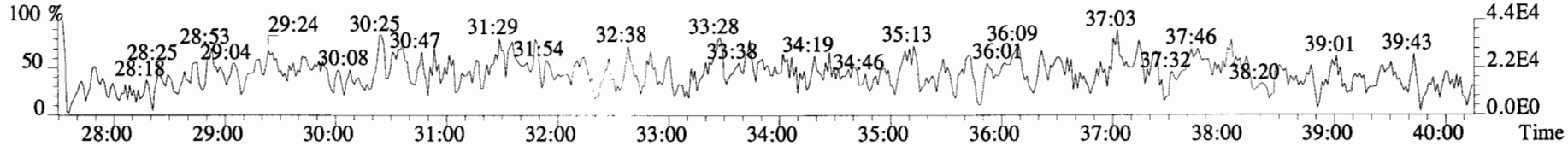
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



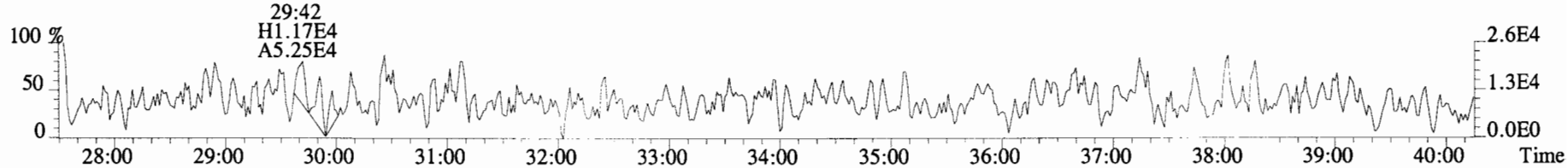

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



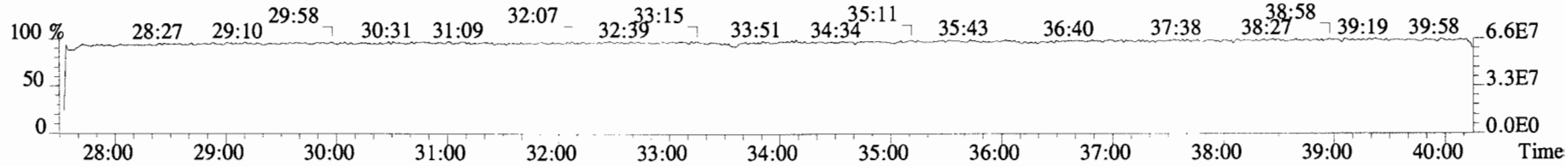

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25160.0,0.00%,F,F)



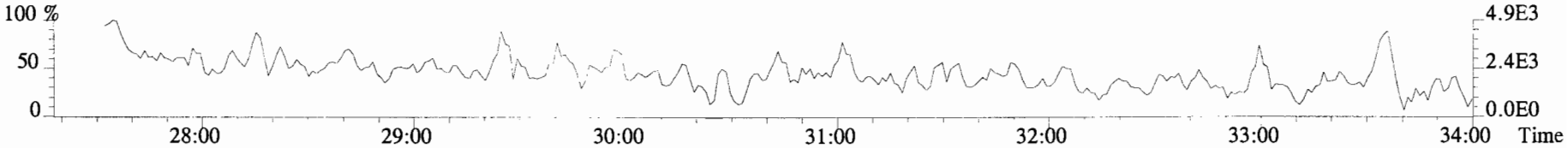

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12892.0,0.00%,F,F)



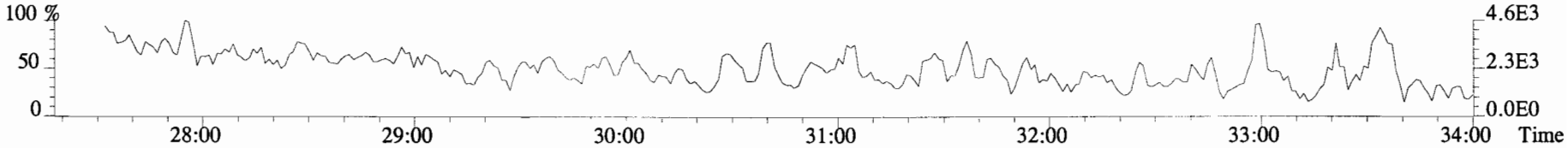

330.9792 S:3 F:3



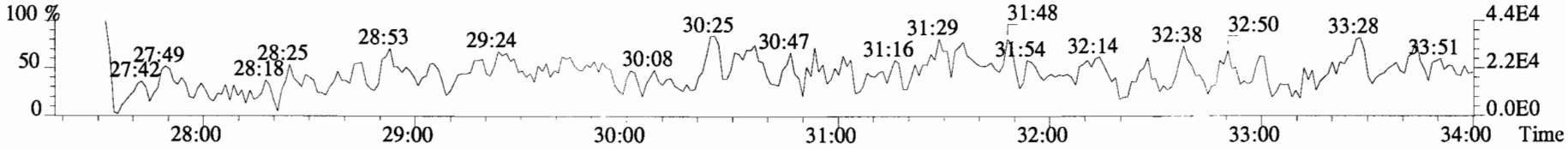
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



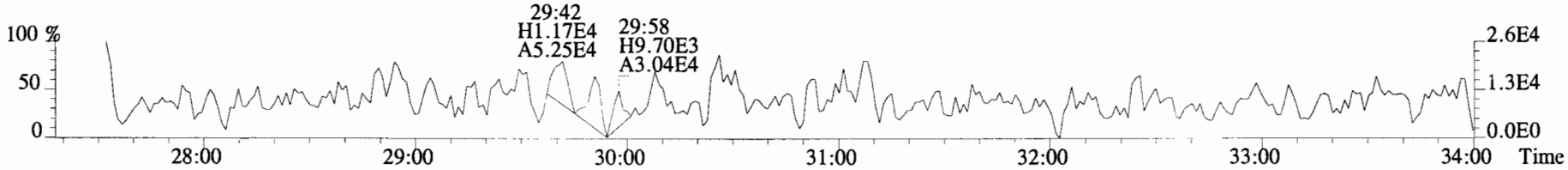

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



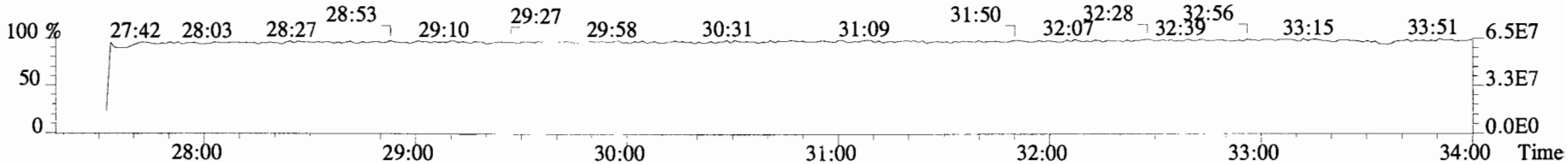

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25160.0,0.00%,F,F)



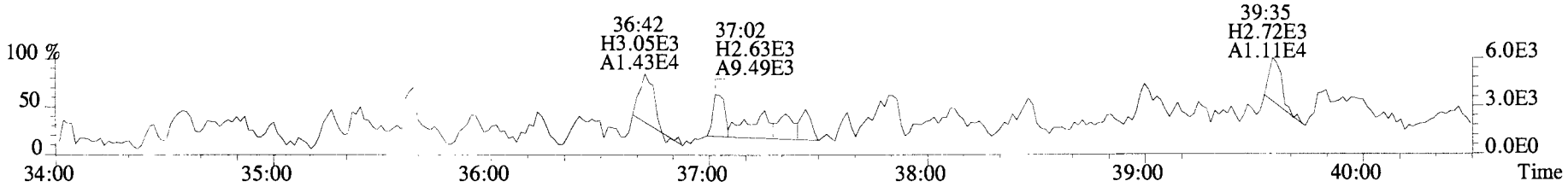

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12892.0,0.00%,F,F)



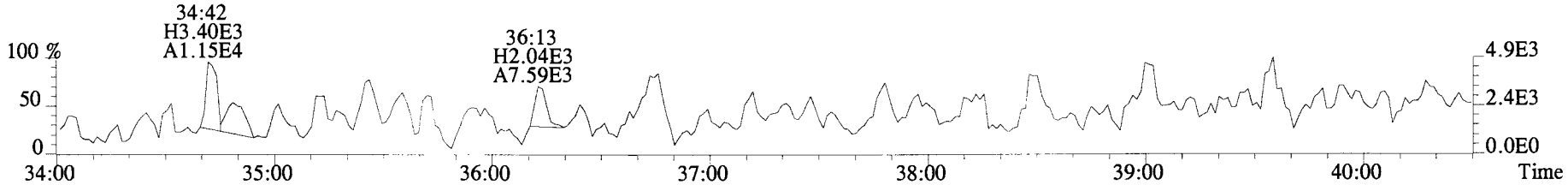

330.9792 S:3 F:3



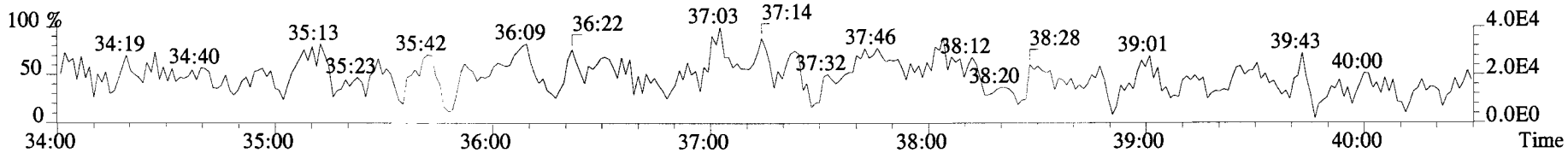
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



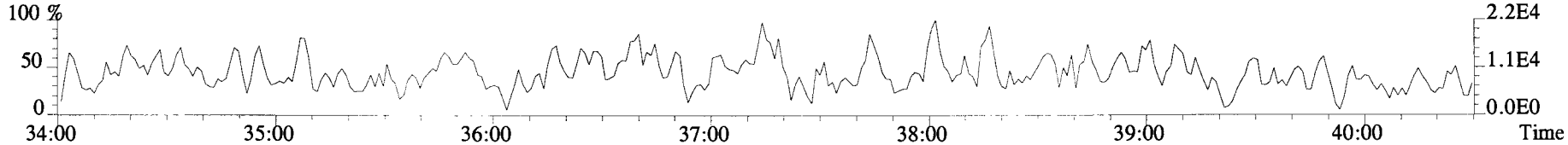

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



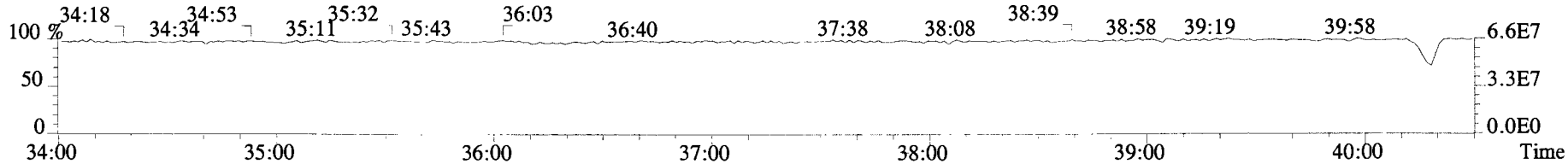

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25160.0,0.00%,F,F)



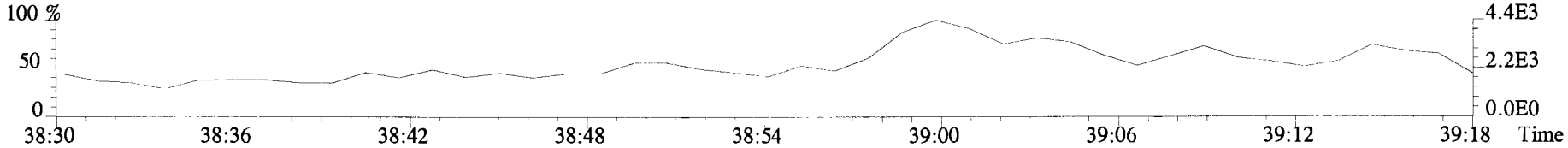

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12892.0,0.00%,F,F)



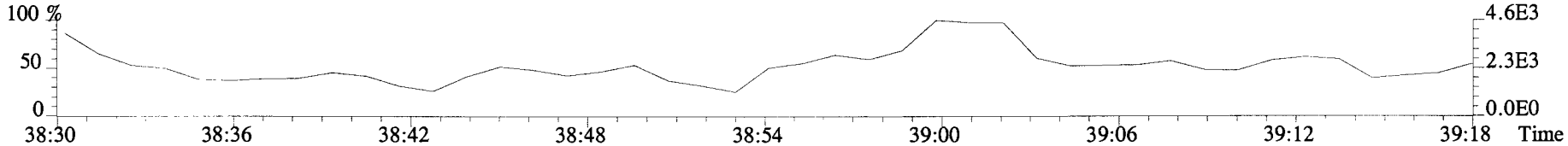

330.9792 S:3 F:3



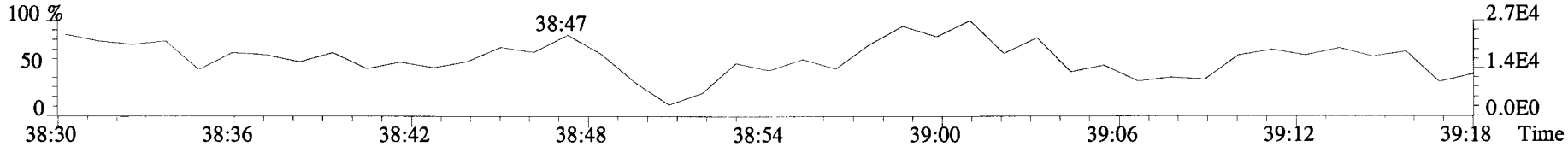
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



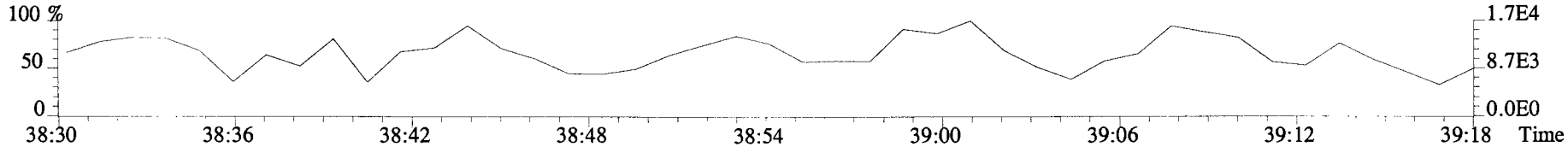

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



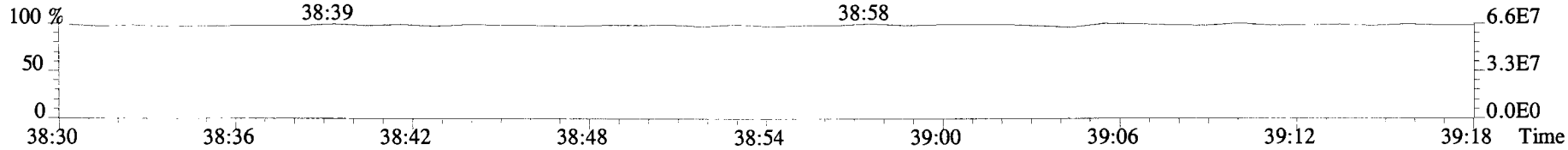

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25160.0,0.00%,F,F)



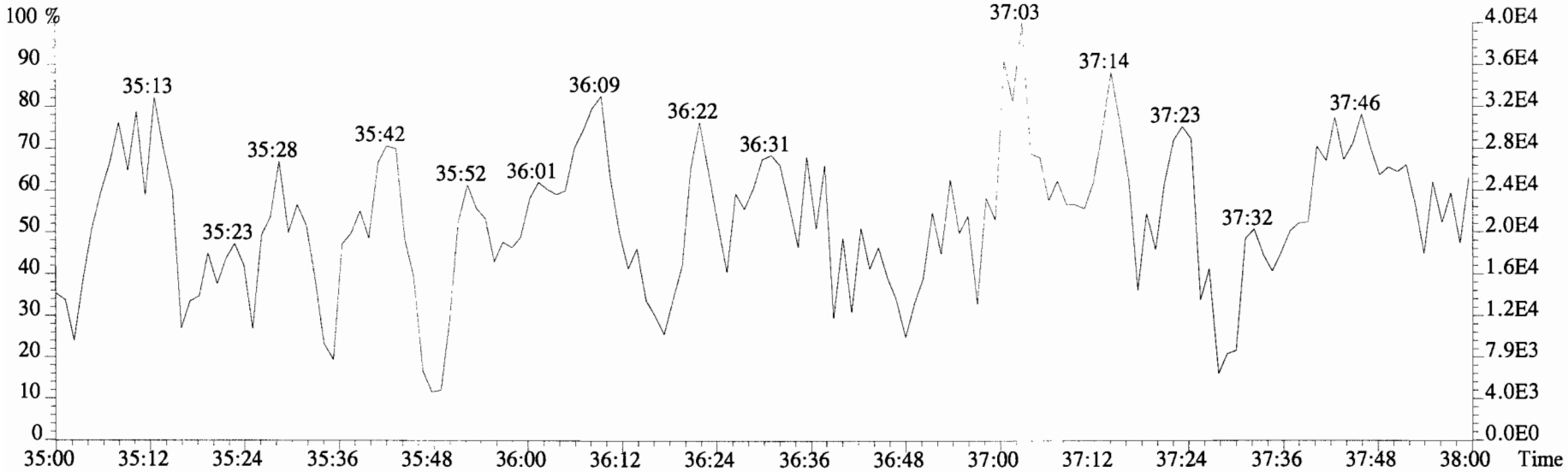

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12892.0,0.00%,F,F)



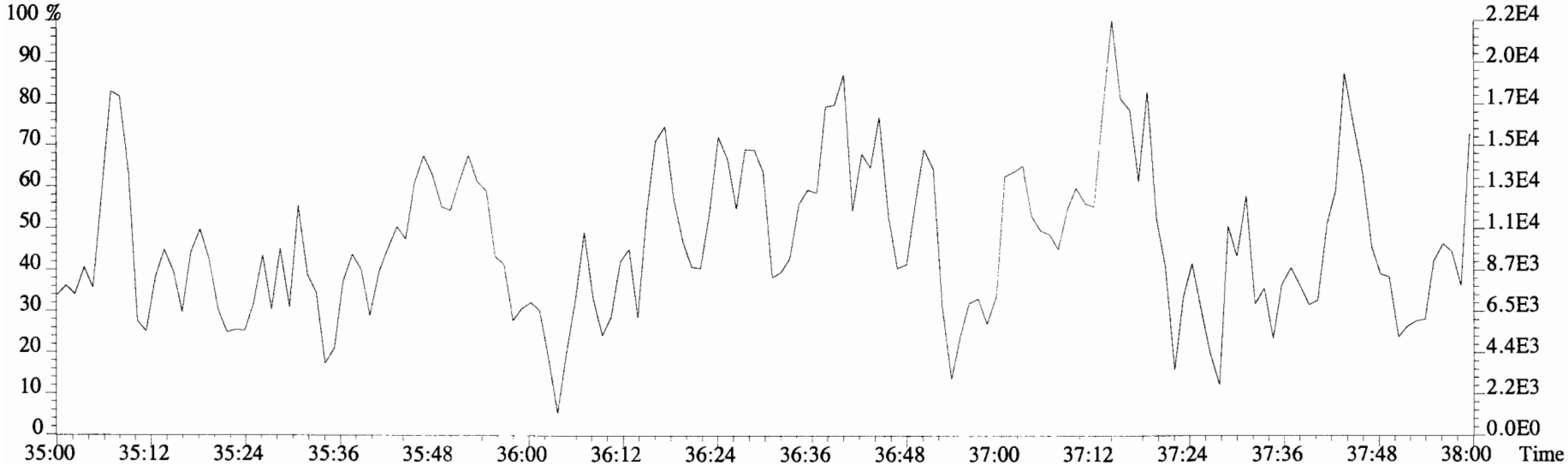

330.9792 S:3 F:3



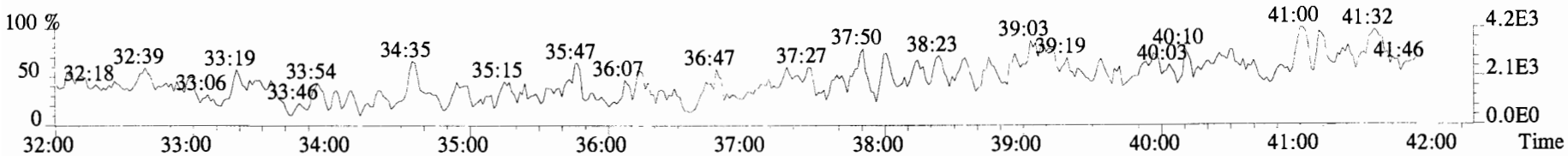
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25160.0,0.00%,F,F)



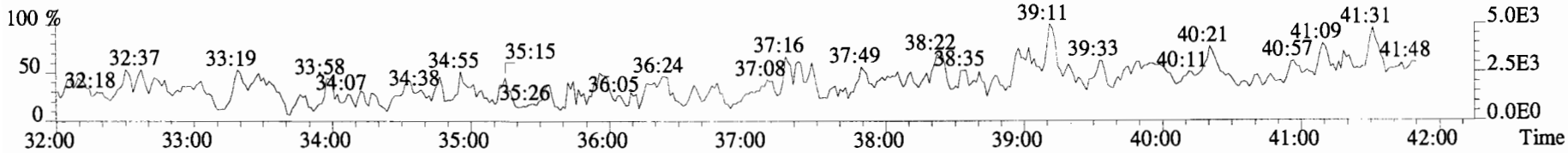

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12892.0,0.00%,F,F)



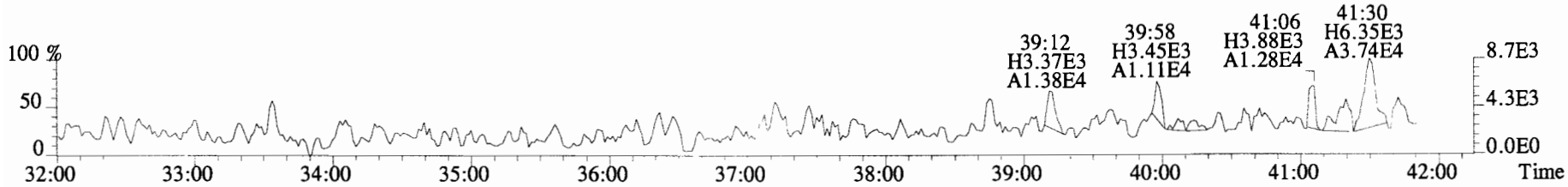
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



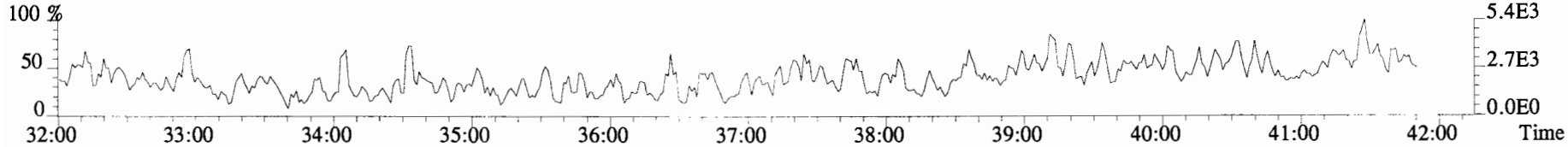

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2676.0,0.00%,F,F)



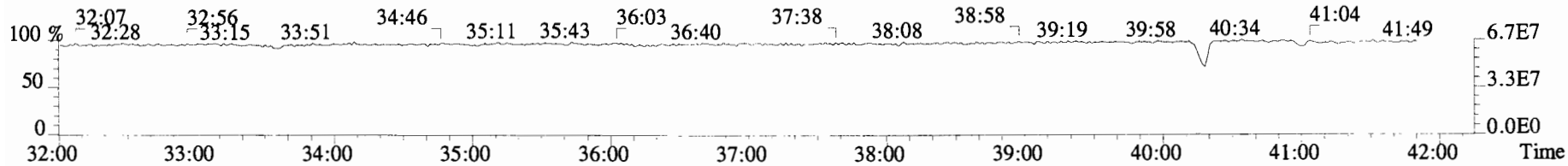

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



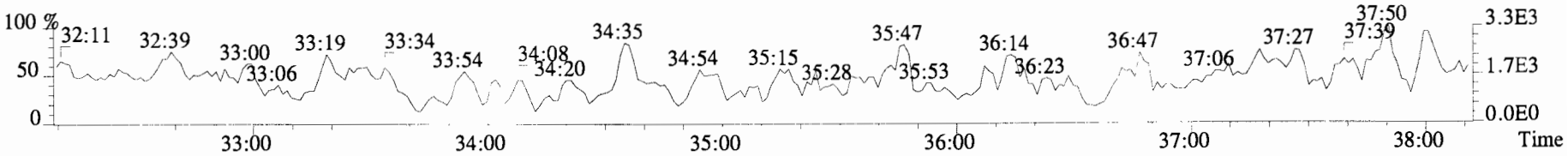

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2956.0,0.00%,F,F)



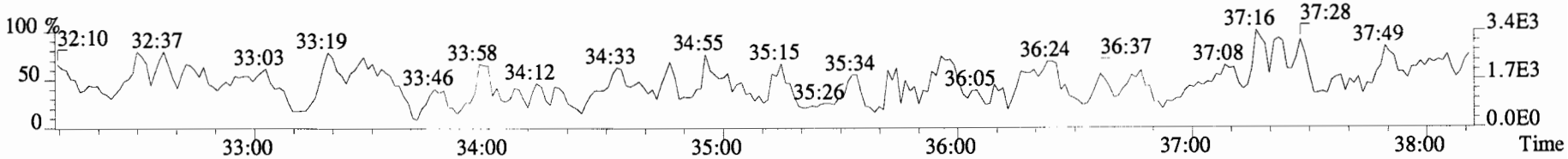

330.9792 S:3 F:3



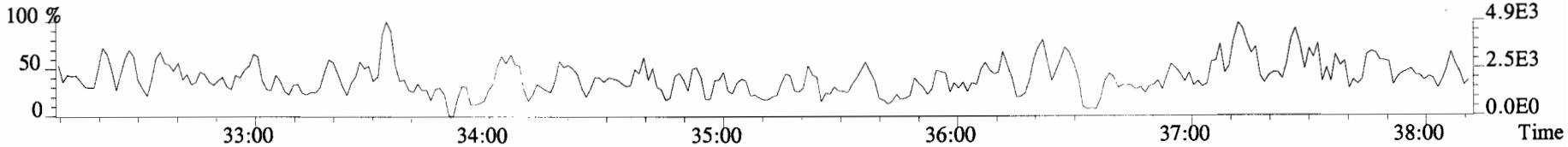
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



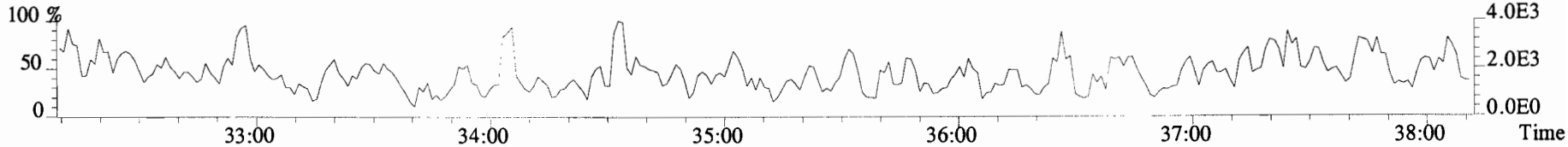

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2676.0,0.00%,F,F)



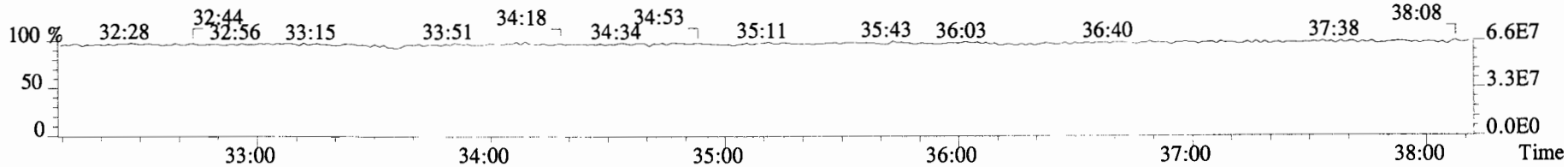

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



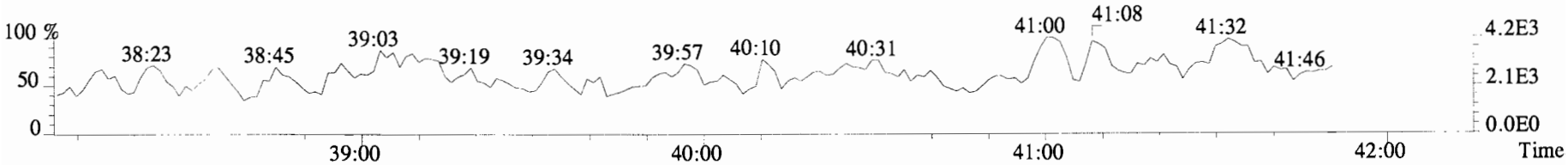

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2956.0,0.00%,F,F)



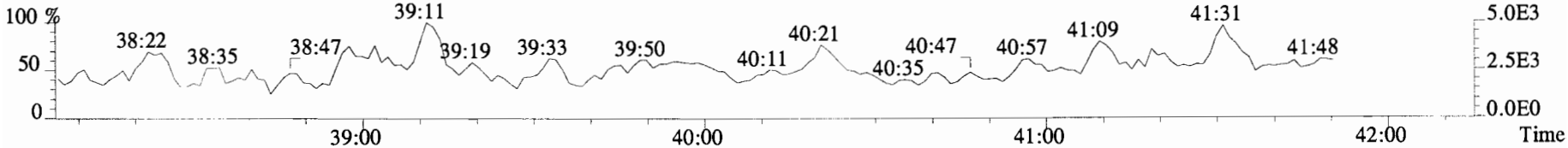

330.9792 S:3 F:3



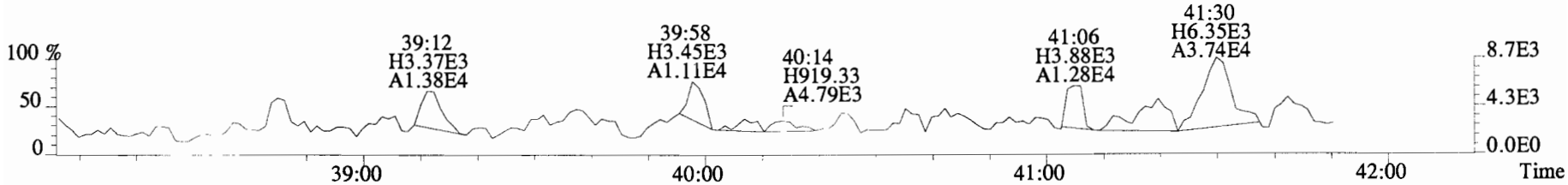
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



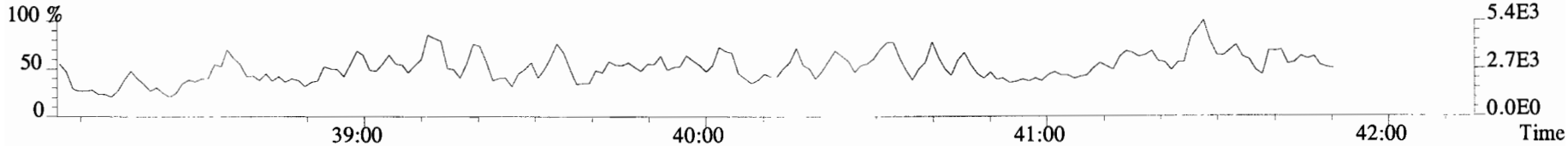

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2676.0,0.00%,F,F)



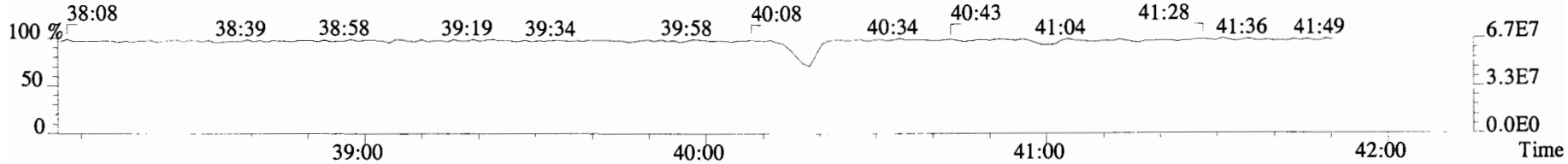

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



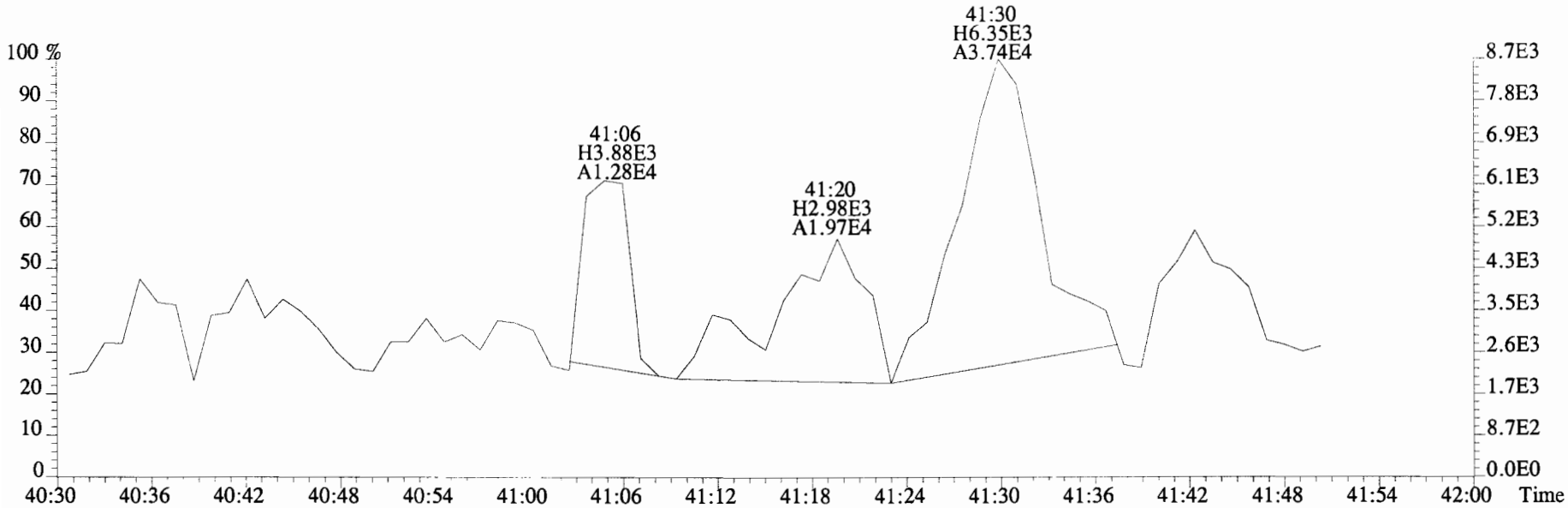

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2956.0,0.00%,F,F)



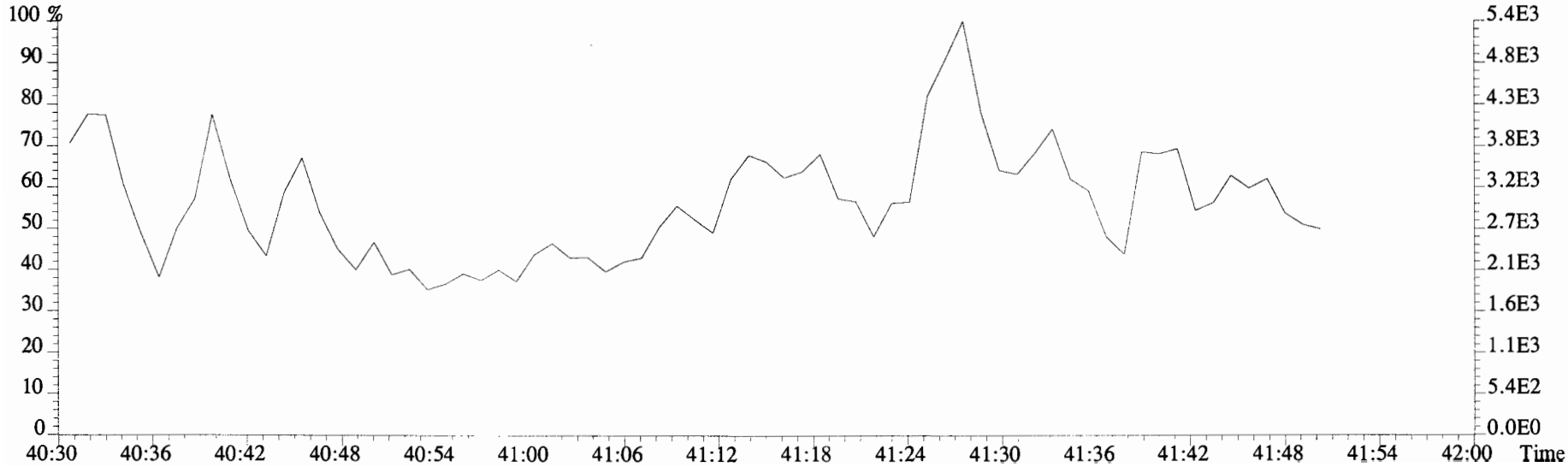

330.9792 S:3 F:3



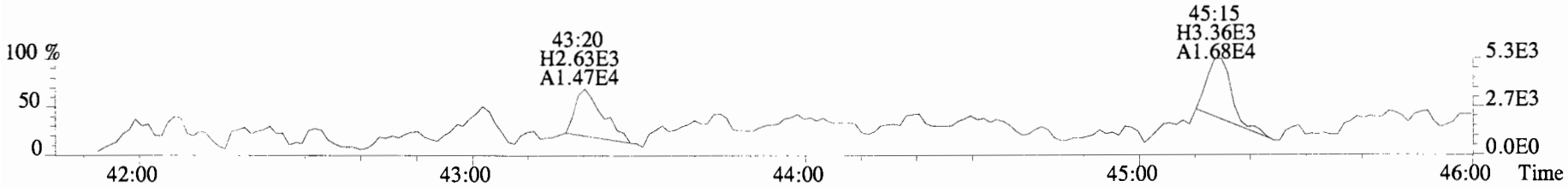
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3020.0,0.00%,F,F)



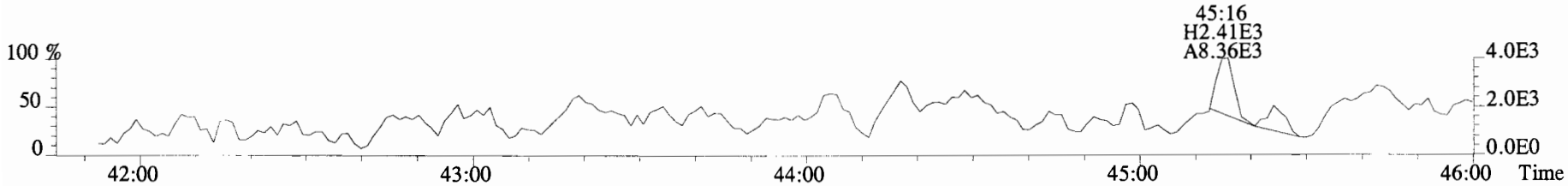

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2956.0,0.00%,F,F)



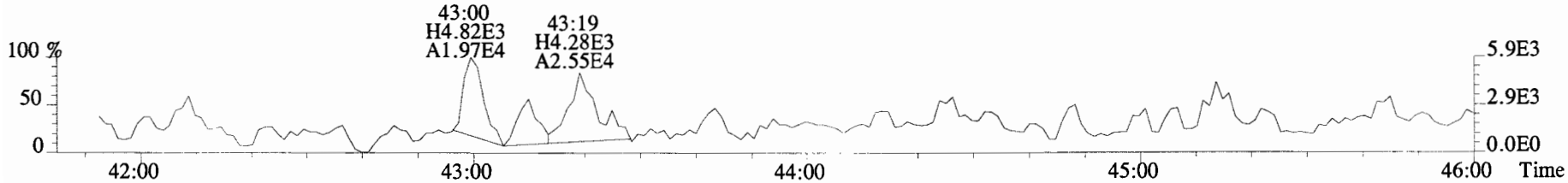
File:180409E1 #1-574 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2124.0,0.00%,F,F)



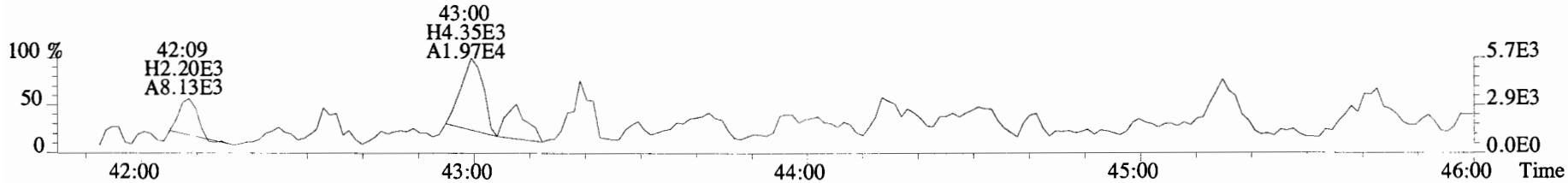

327.8775 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2164.0,0.00%,F,F)



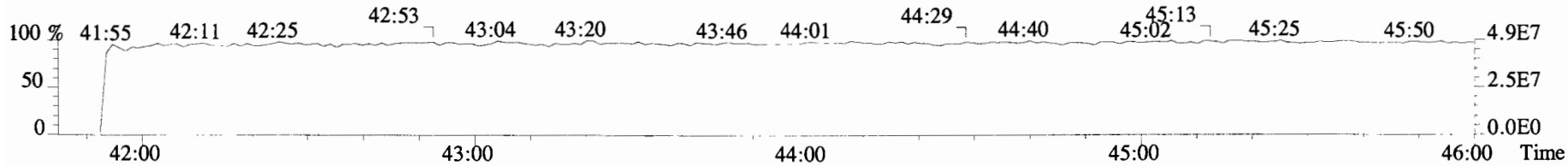

337.9207 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2276.0,0.00%,F,F)



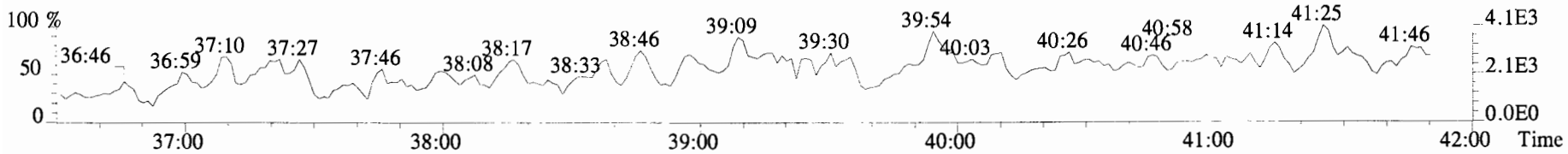

339.9177 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



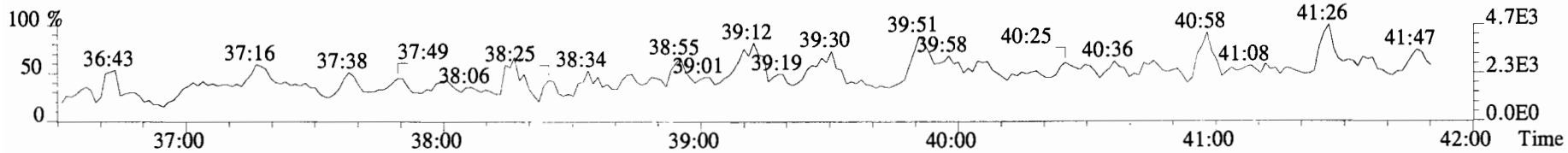

380.9760 S:3 F:4



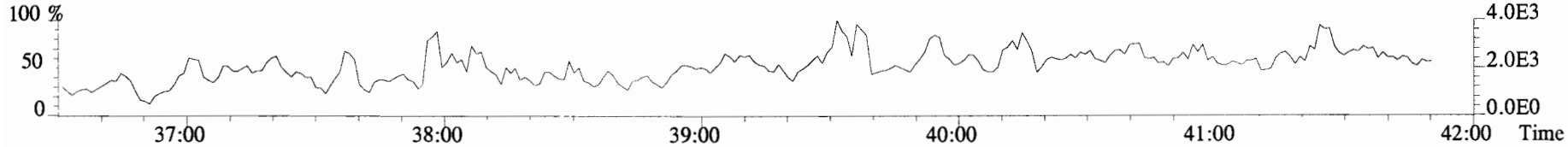
File:180409E1 #1-756 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
359.8415 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2640.0,0.00%,F,F)



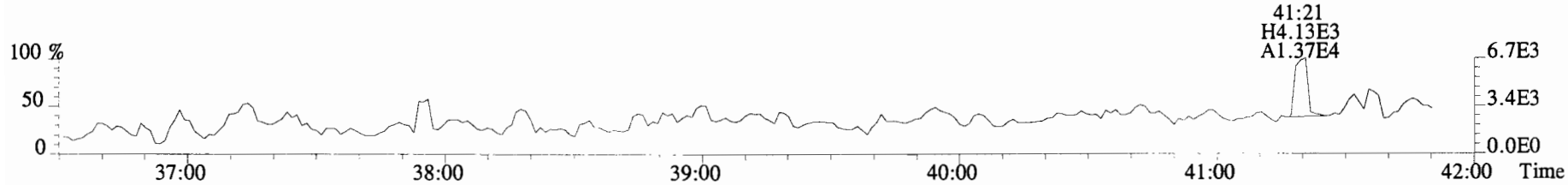

361.8385 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2496.0,0.00%,F,F)



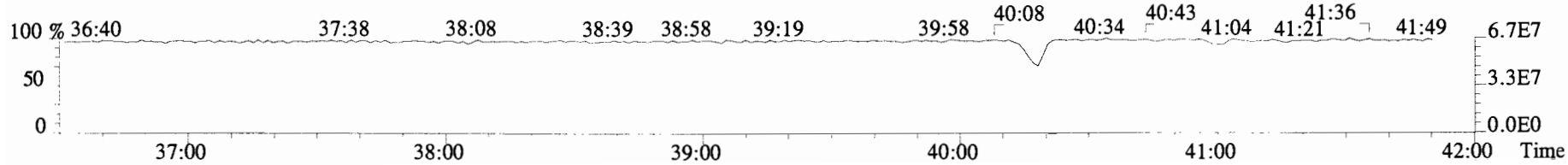

371.8817 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2436.0,0.00%,F,F)



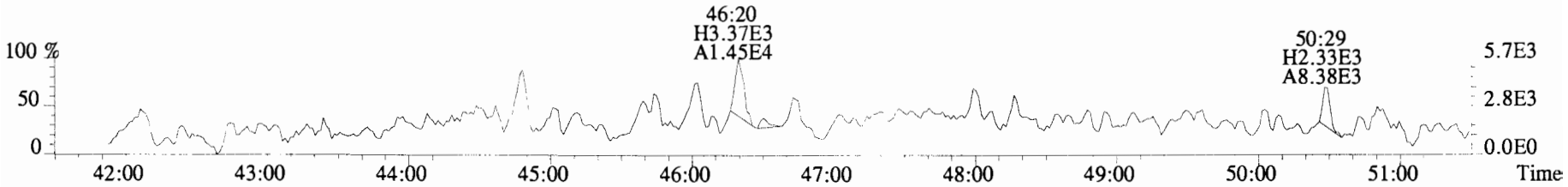

373.8788 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2680.0,0.00%,F,F)



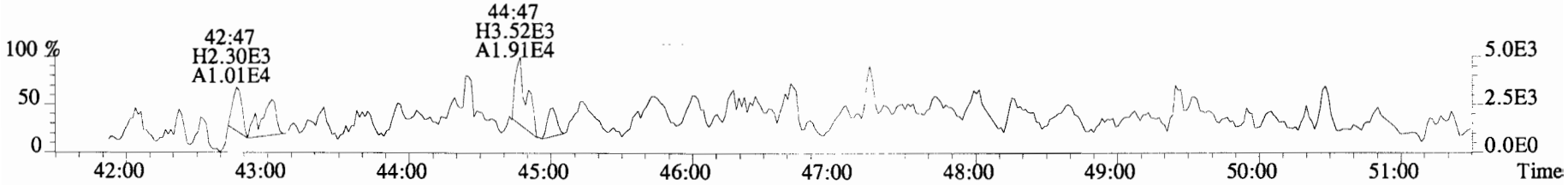

330.9792 S:3 F:3



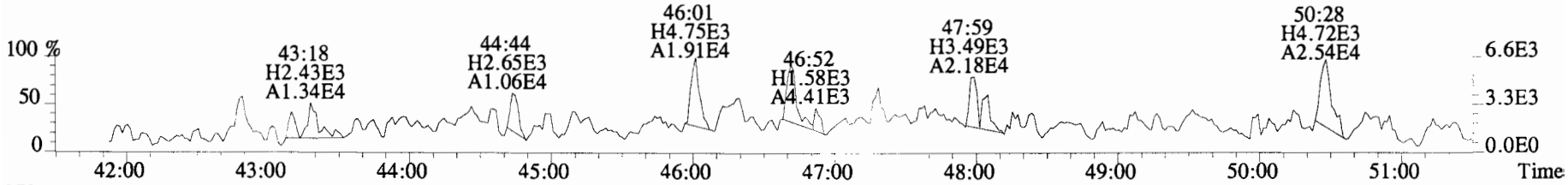
File:180409E1 #1-574 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2304.0,0.00%,F,F)



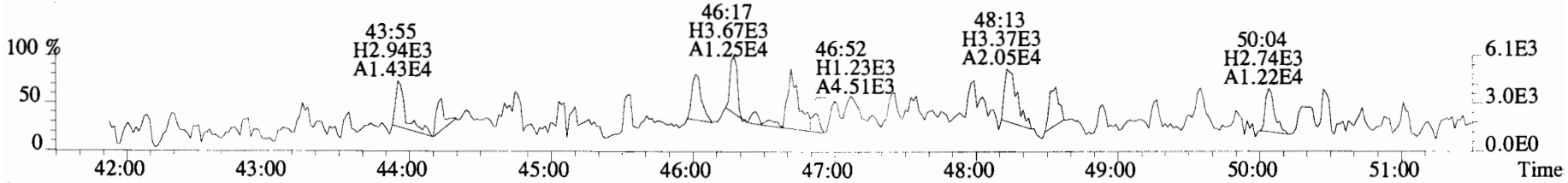

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2196.0,0.00%,F,F)



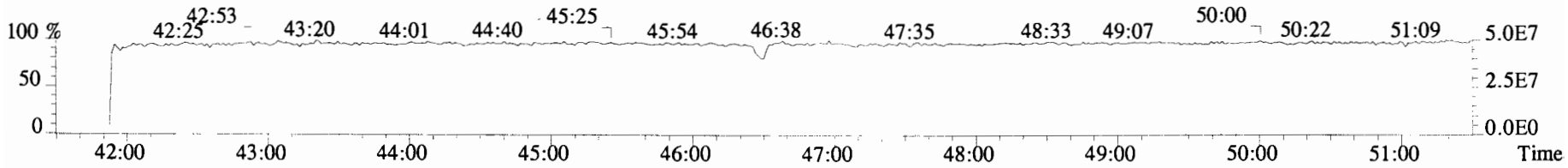

371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2272.0,0.00%,F,F)



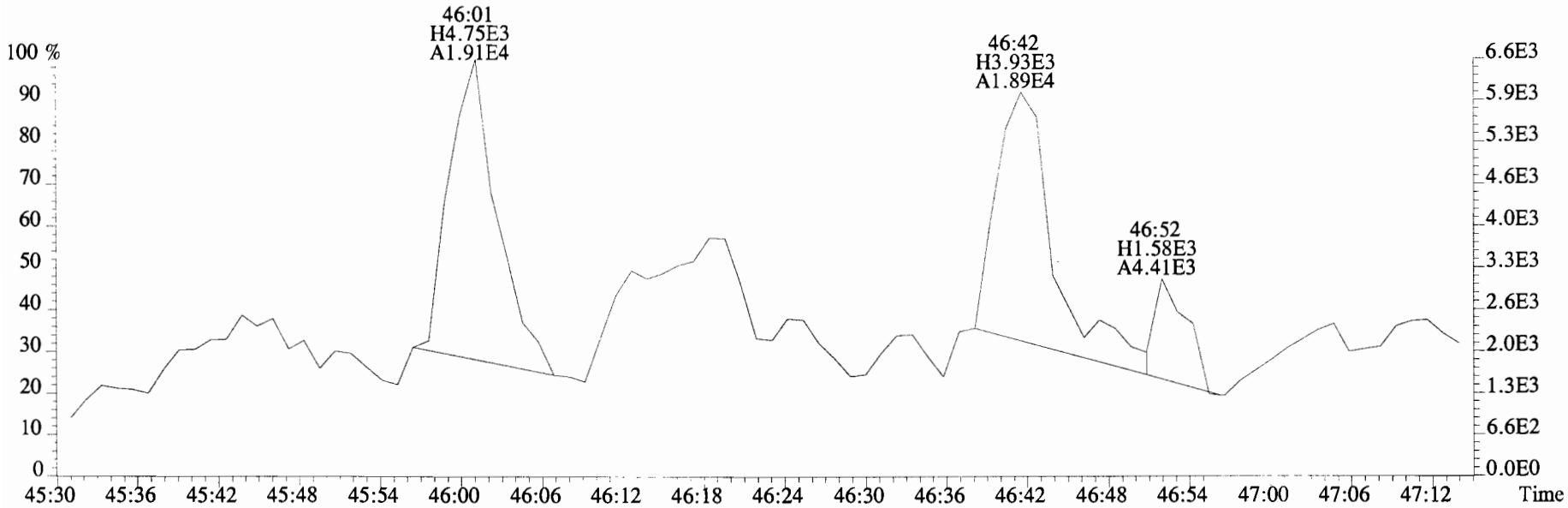

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



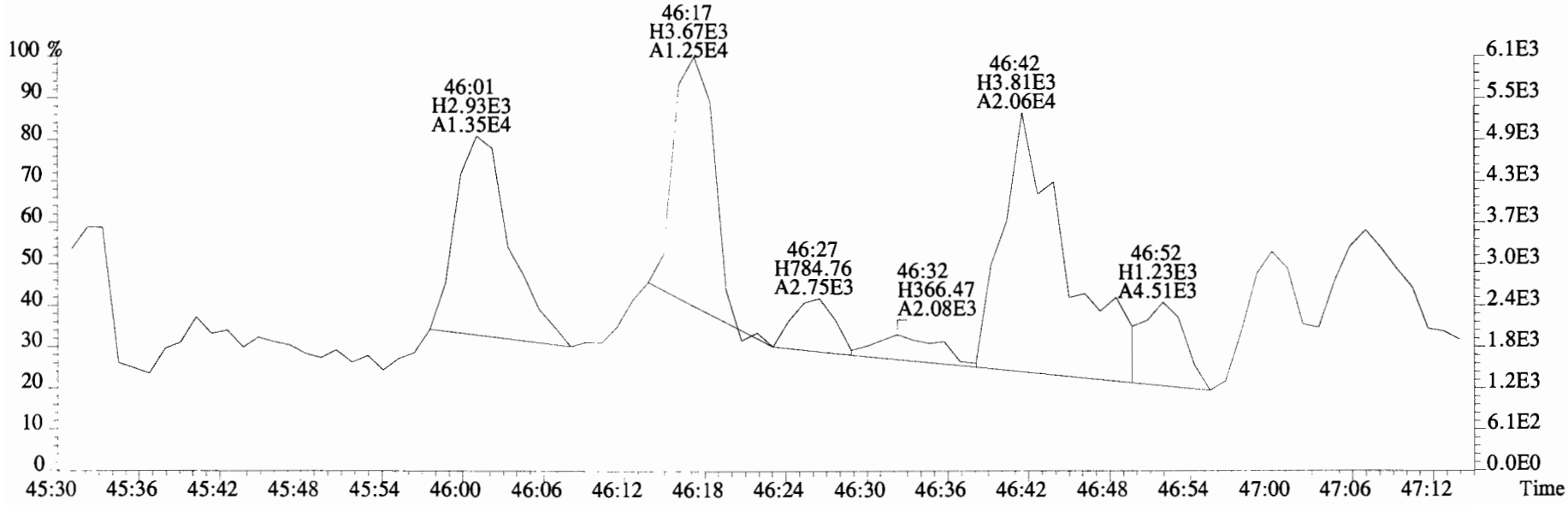

380.9760 S:3 F:4



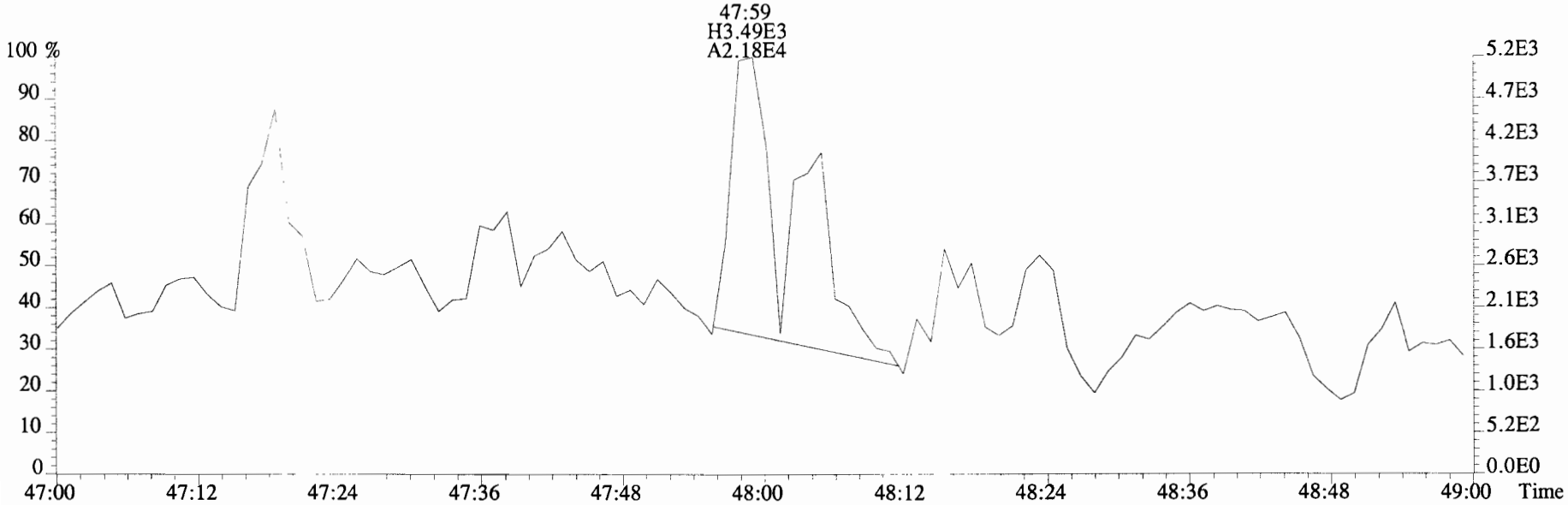
File:180409E1 #1-574 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2272.0,0.00%,F,F)



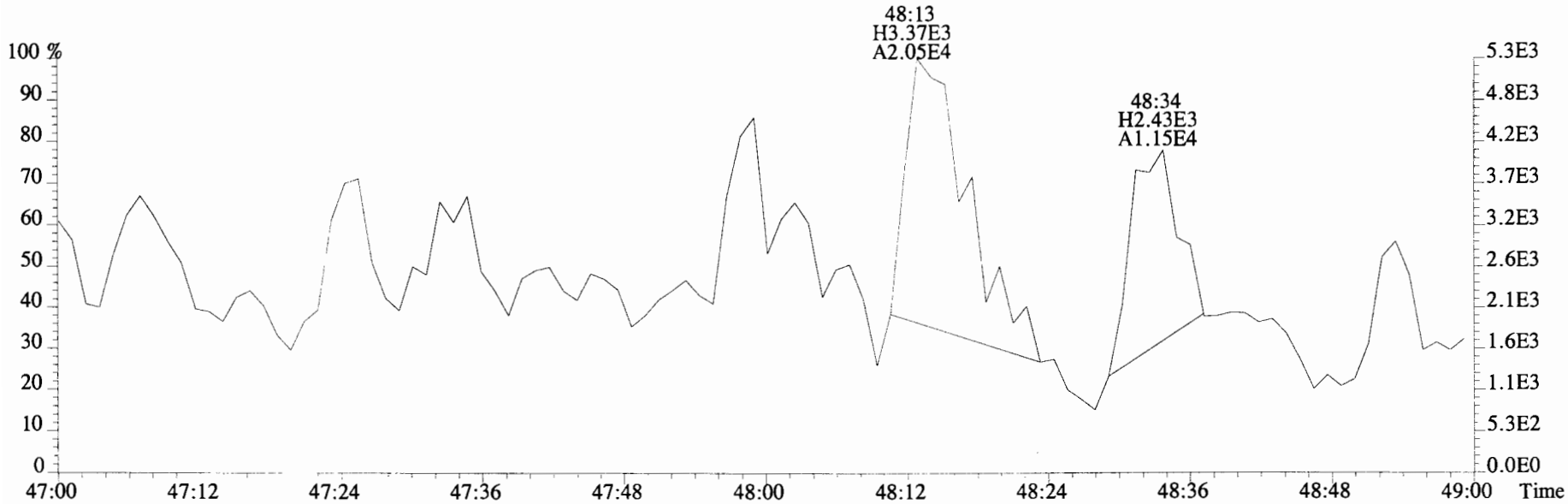

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



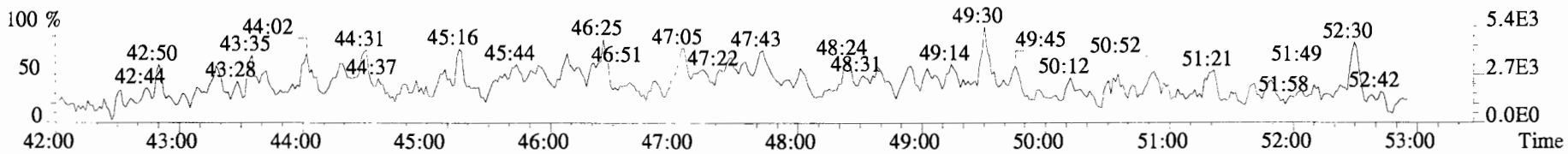
File:180409E1 #1-574 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2272.0,0.00%,F,F)



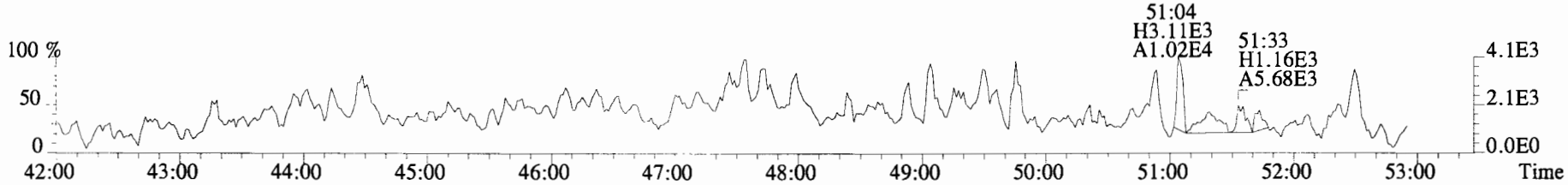

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



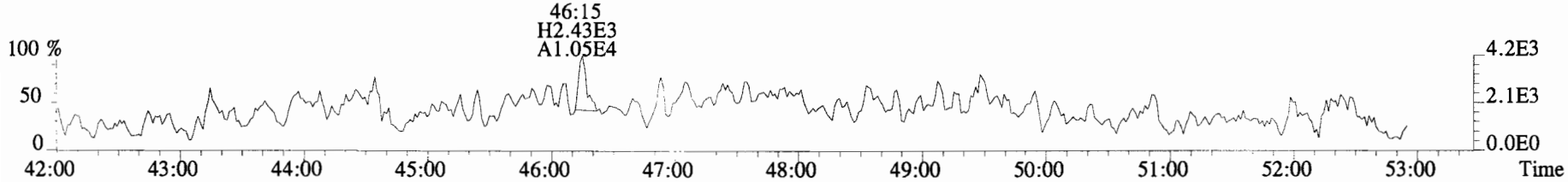
File:180409E1 #1-574 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
393.8025 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2700.0,0.00%,F,F)



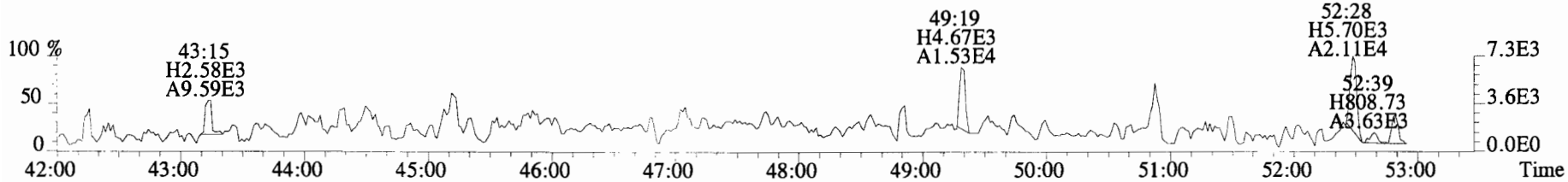

395.7995 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



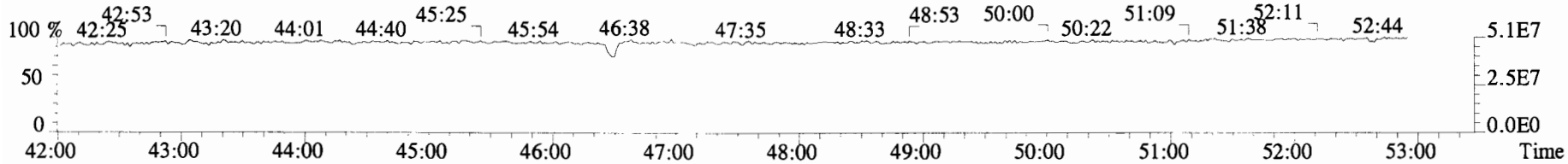

403.8457 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



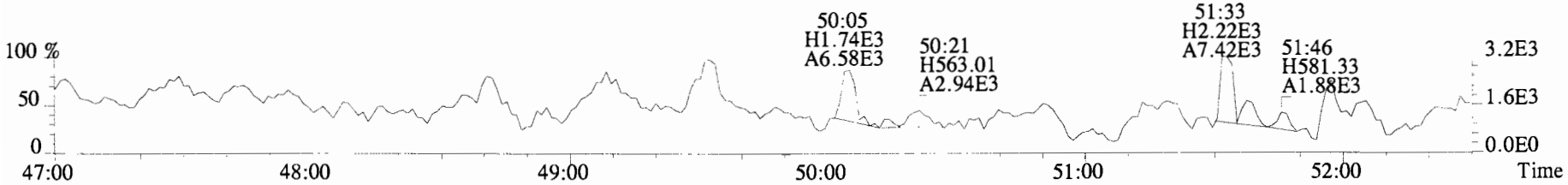

405.8428 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2088.0,0.00%,F,F)



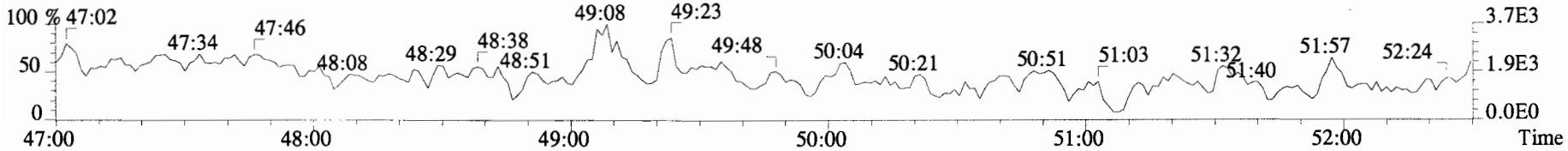

380.9760 S:3 F:4



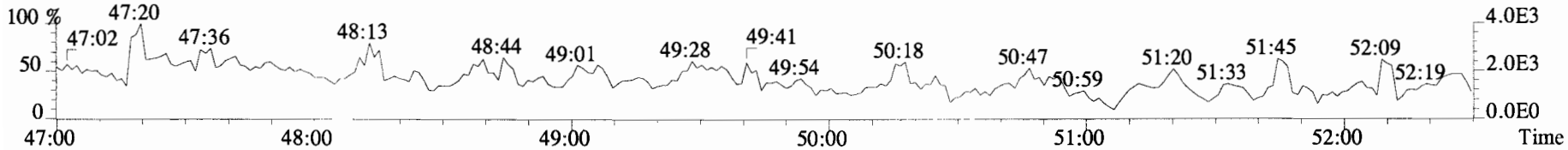
File:180409E1 #1-574 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
427.7635 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1848.0,0.00%,F,F)



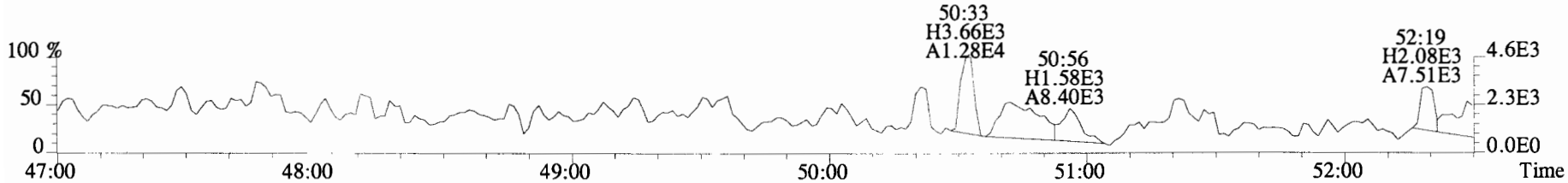

429.7606 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2072.0,0.00%,F,F)



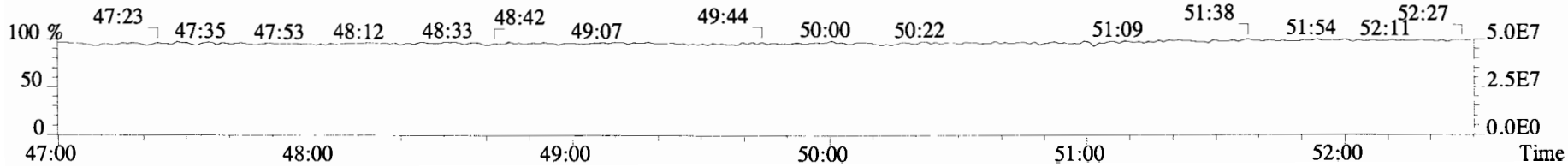

439.8038 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2012.0,0.00%,F,F)



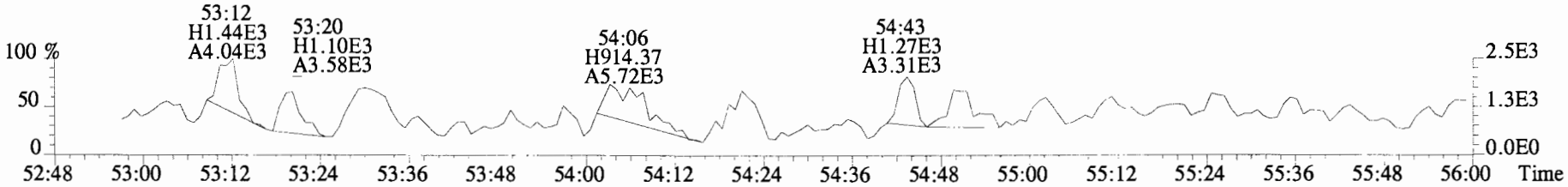

441.8008 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2160.0,0.00%,F,F)



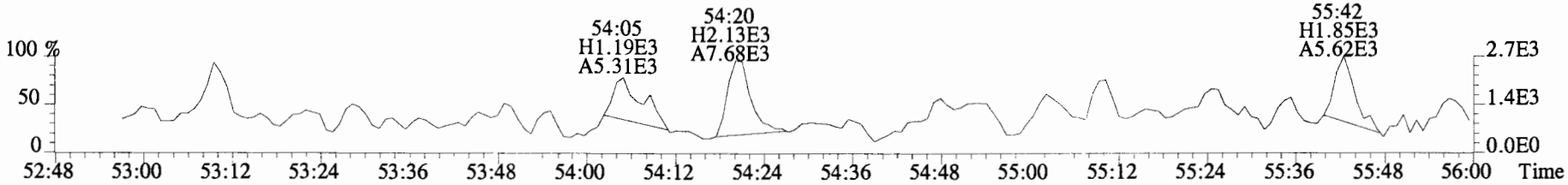

380.9760 S:3 F:4



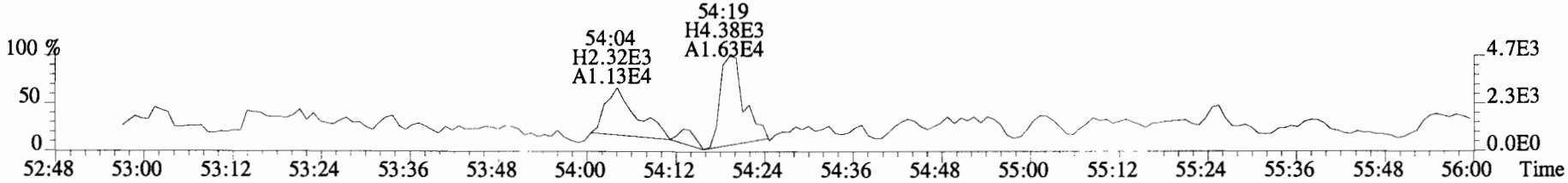
File:180409E1 #1-407 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
427.7635 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1272.0,0.00%,F,F)



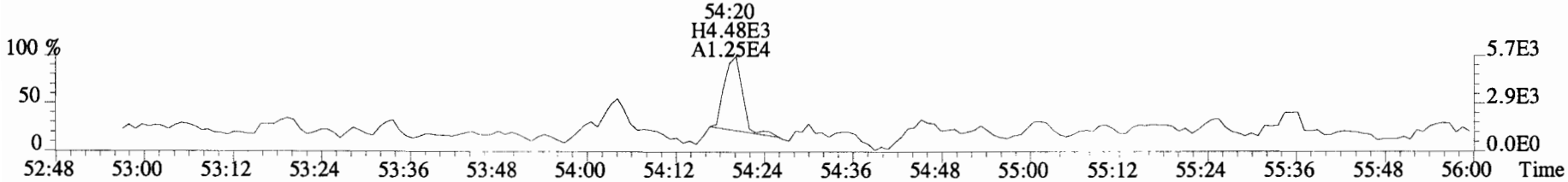

429.7606 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1236.0,0.00%,F,F)



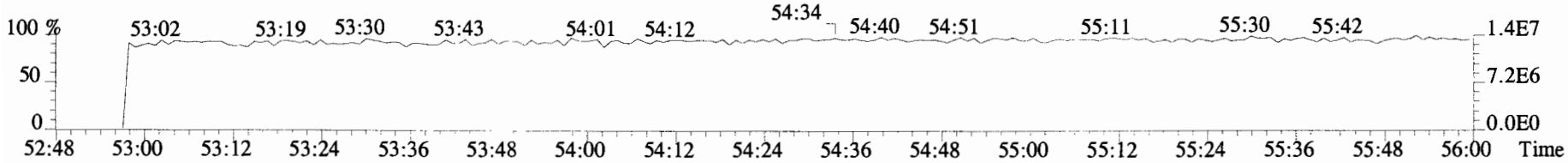

439.8038 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1584.0,0.00%,F,F)



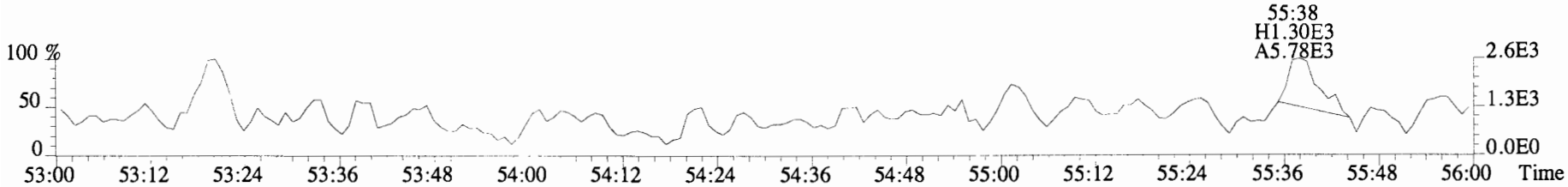

441.8008 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1480.0,0.00%,F,F)



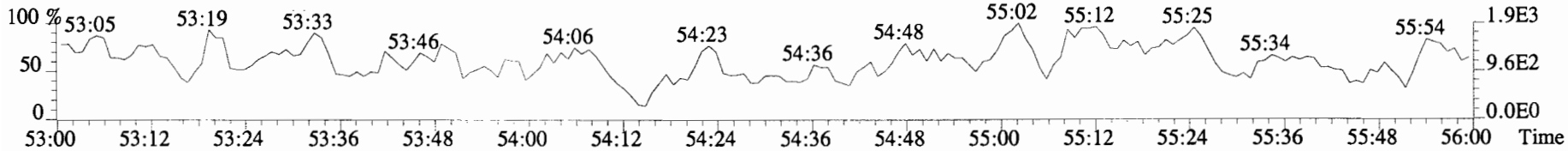

492.9697 S:3 F:5



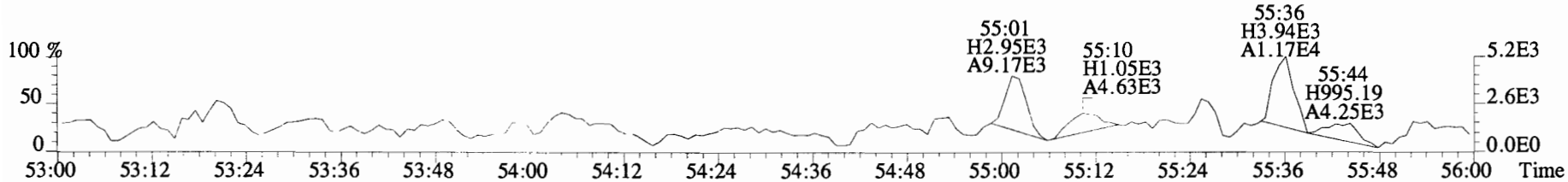
File:180409E1 #1-407 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
463.7216 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1304.0,0.00%,F,F)



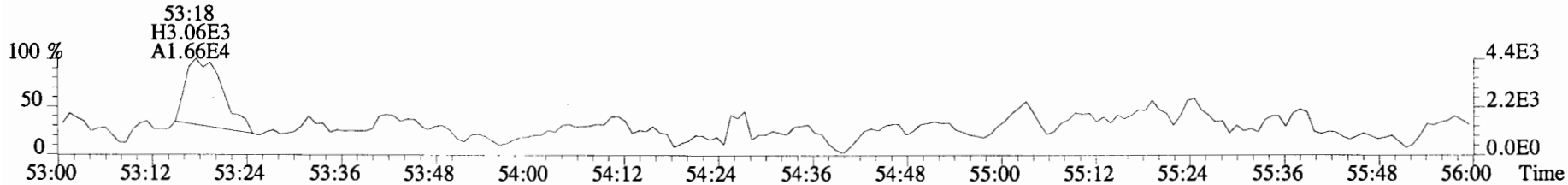

465.7186 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1500.0,0.00%,F,F)



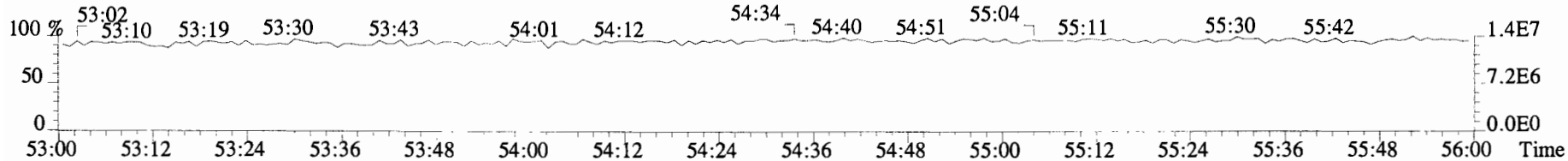

473.7648 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1608.0,0.00%,F,F)



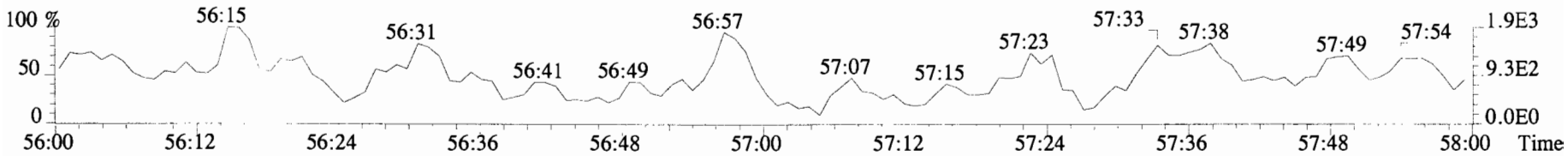

475.7619 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1572.0,0.00%,F,F)



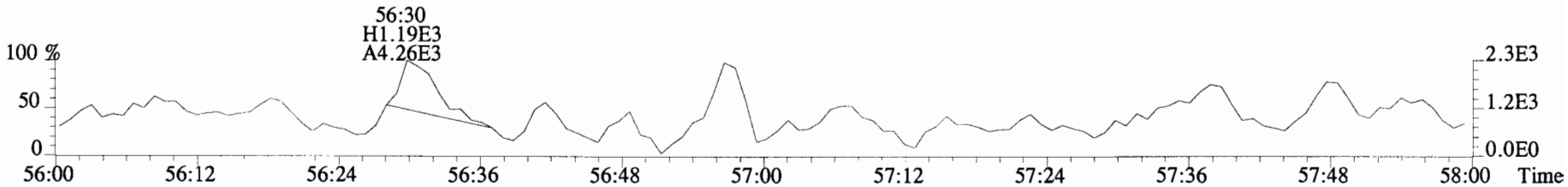

492.9697 S:3 F:5



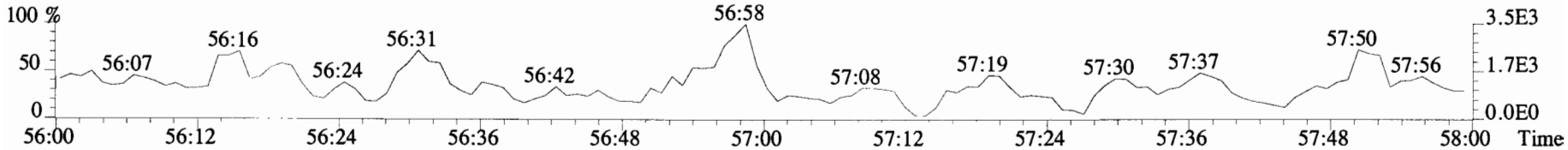
File:180409E1 #1-407 Acq: 9-APR-2018 19:43:58 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
497.6826 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1412.0,0.00%,F,F)



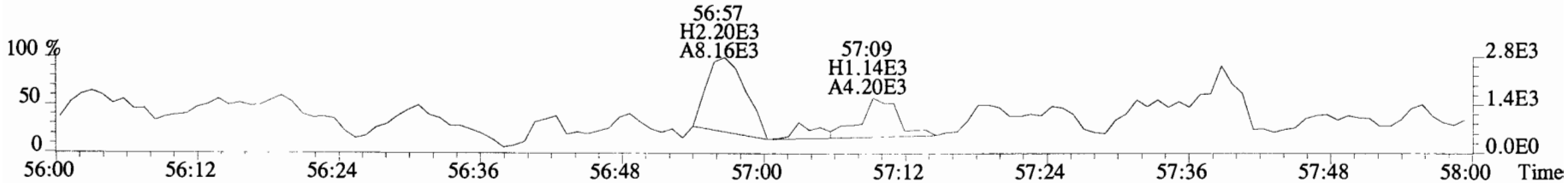

499.6797 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1352.0,0.00%,F,F)



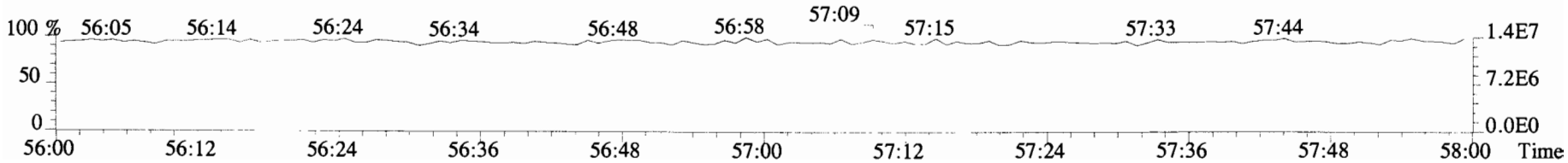

509.7229 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1736.0,0.00%,F,F)



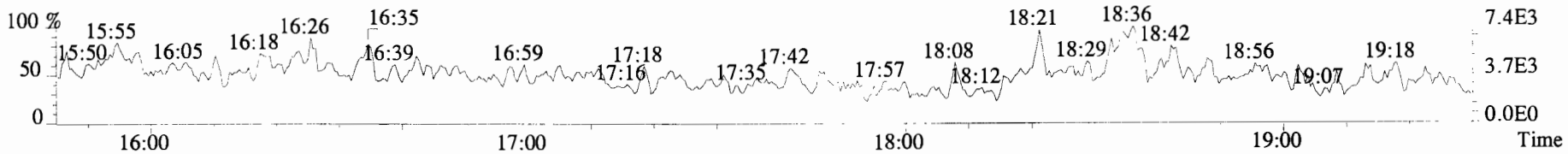

511.7199 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1452.0,0.00%,F,F)



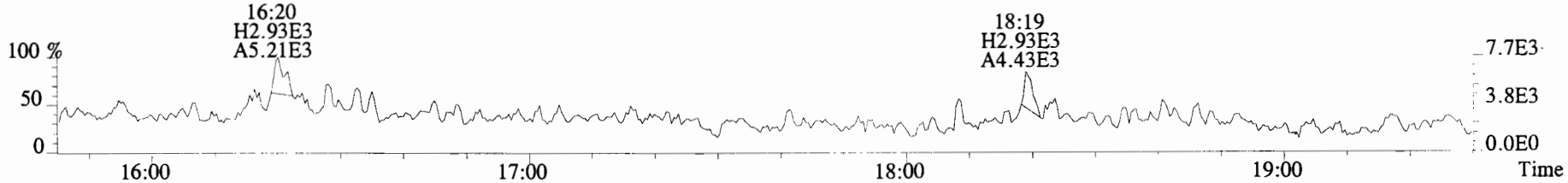

492.9697 S:3 F:5



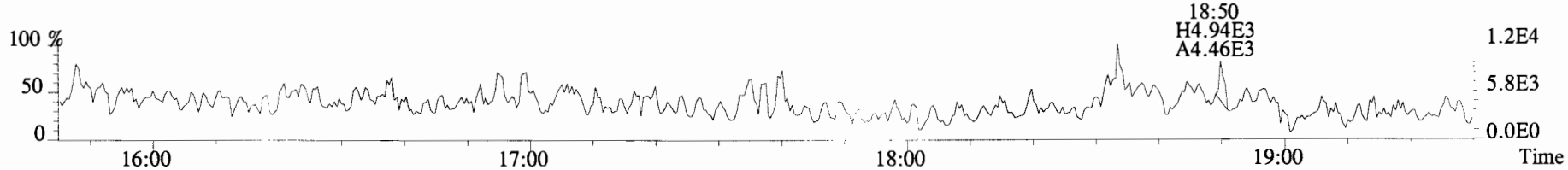
File:180409E2 #1-867 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
188.0393 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4852.0,0.00%,F,F)



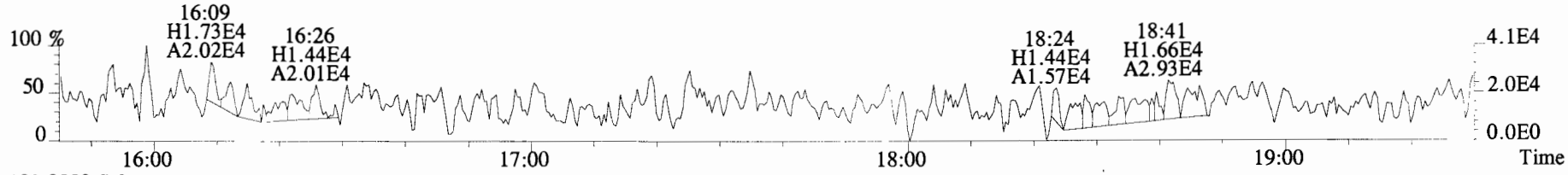

190.0363 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3496.0,0.00%,F,F)



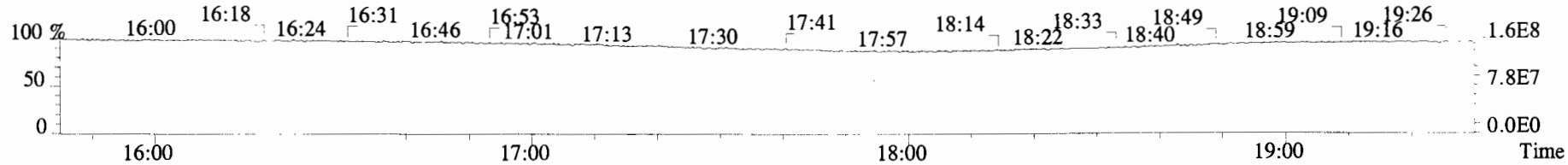

200.0795 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5548.0,0.00%,F,F)



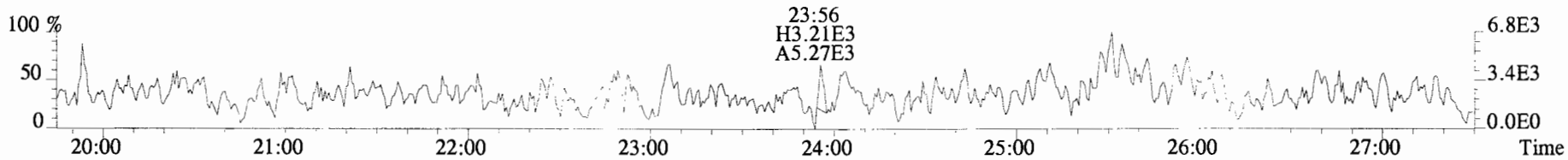

202.0766 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20900.0,0.00%,F,F)



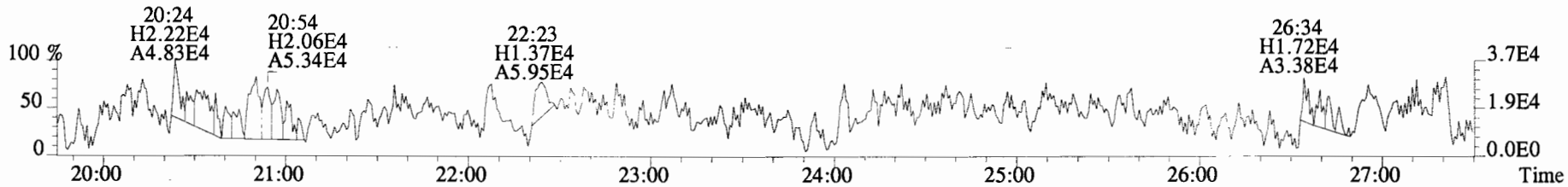

180.9880 S:2



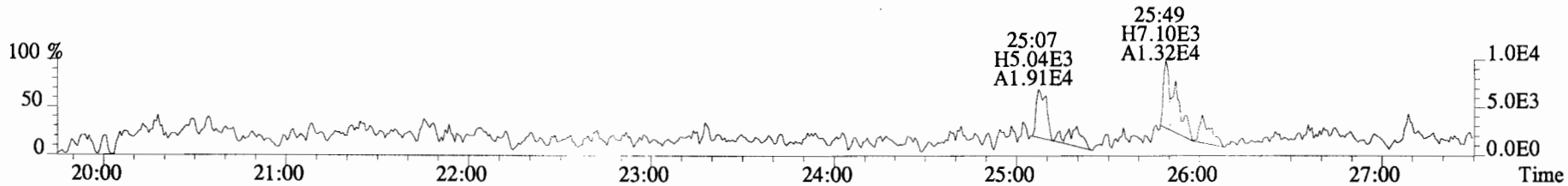
File:180409E2 #1-757 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
222.0003 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3120.0,0.00%,F,F)



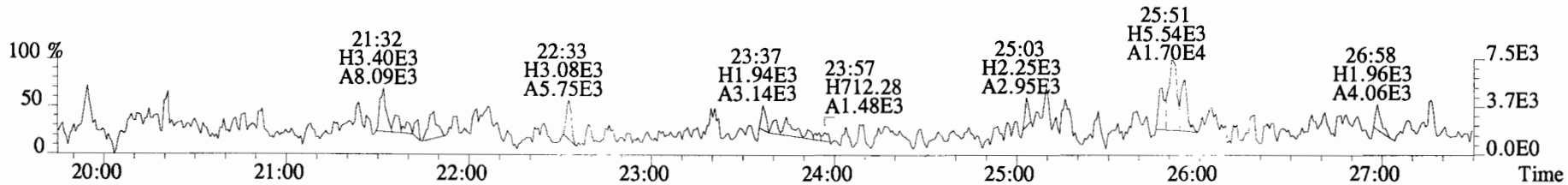

223.9974 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21296.0,0.00%,F,F)



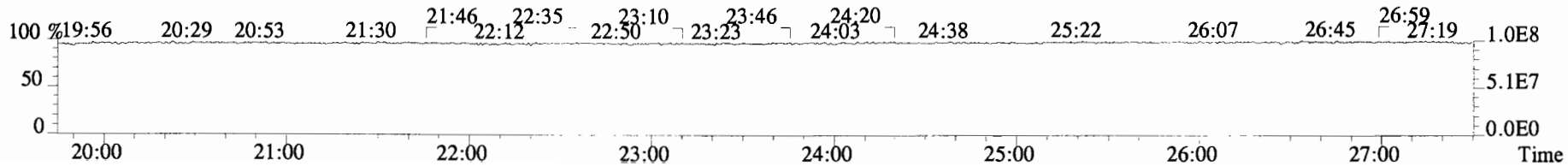

234.0406 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2408.0,0.00%,F,F)



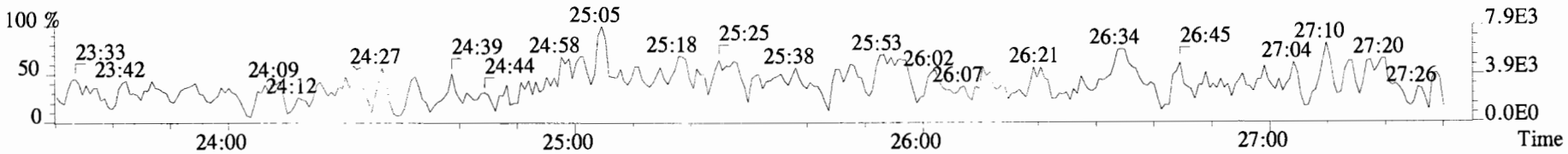

236.0376 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2412.0,0.00%,F,F)



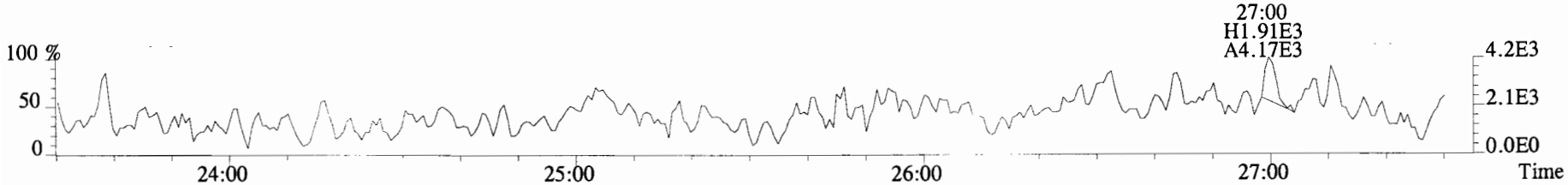

230.9856 S:2 F:2



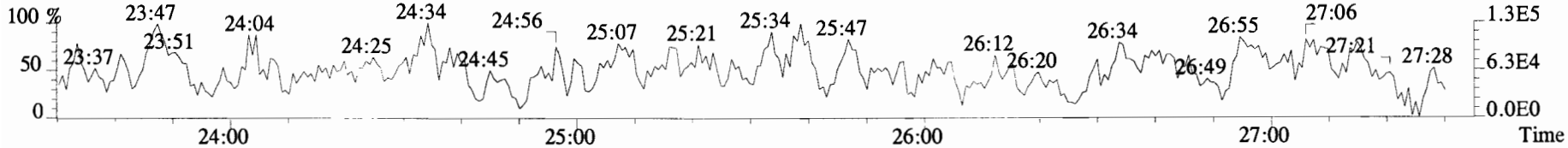
File:180409E2 #1-757 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
255.9613 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3908.0,0.00%,F,F)



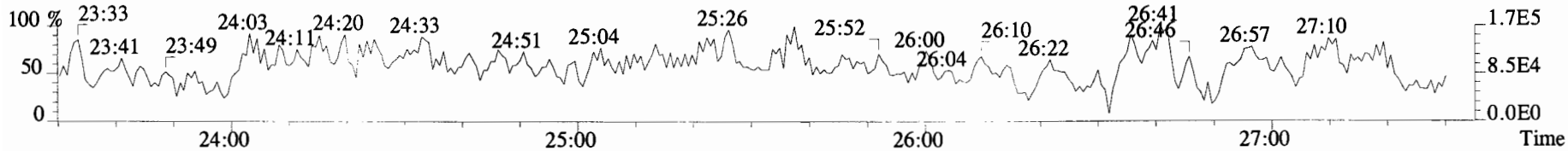

257.9584 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2268.0,0.00%,F,F)



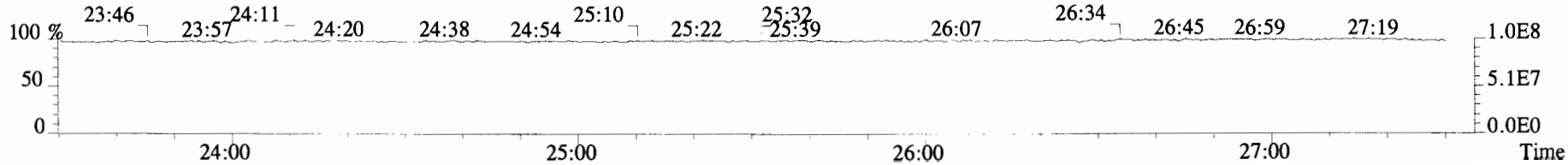

268.0016 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,83316.0,0.00%,F,F)



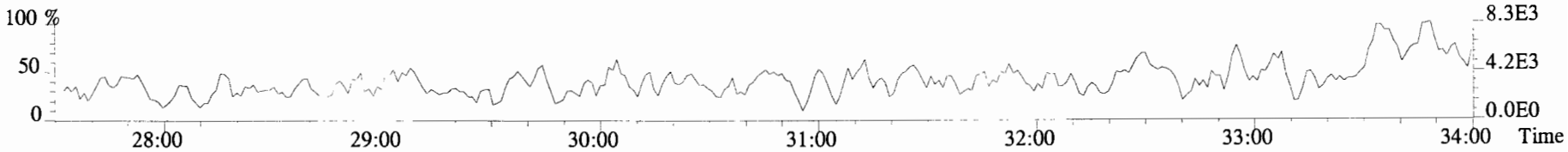

269.9986 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,128652.0,0.00%,F,F)



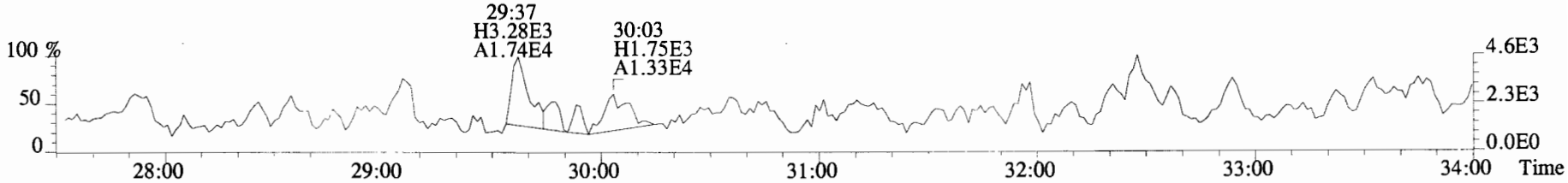

230.9856 S:2 F:2



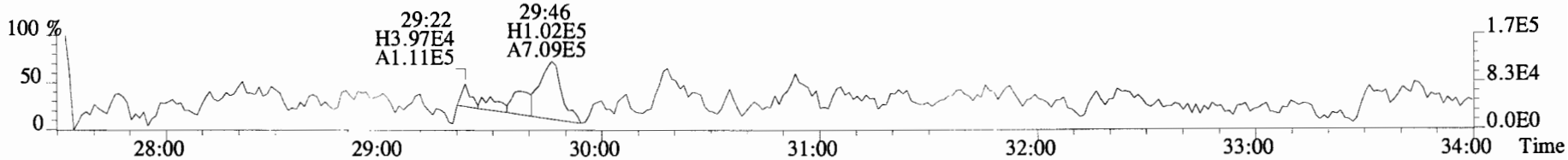
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
255.9613 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4544.0,0.00%,F,F)



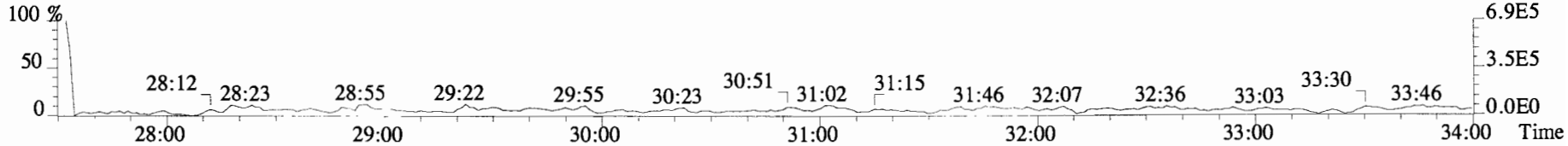

257.9584 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2724.0,0.00%,F,F)



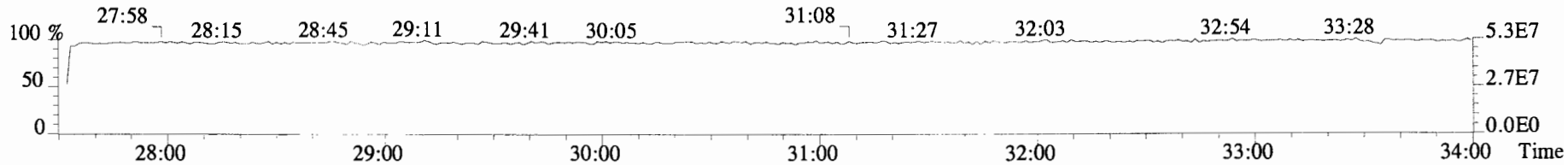

268.0016 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,61824.0,0.00%,F,F)



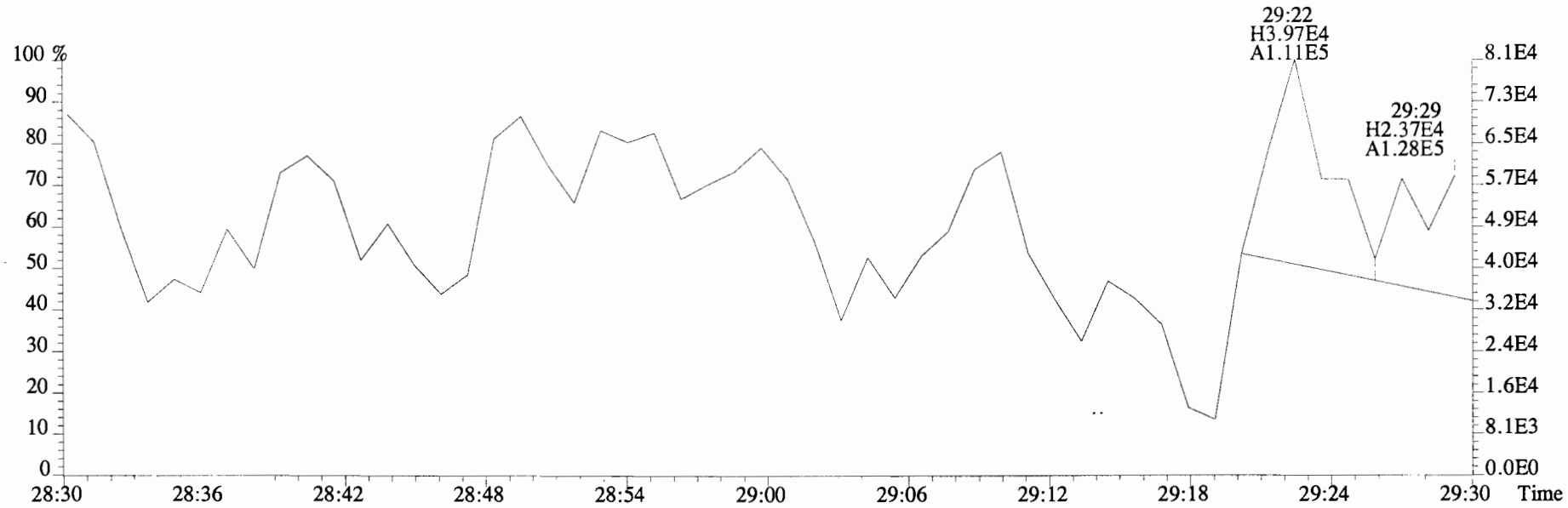

269.9986 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,51720.0,0.00%,F,F)



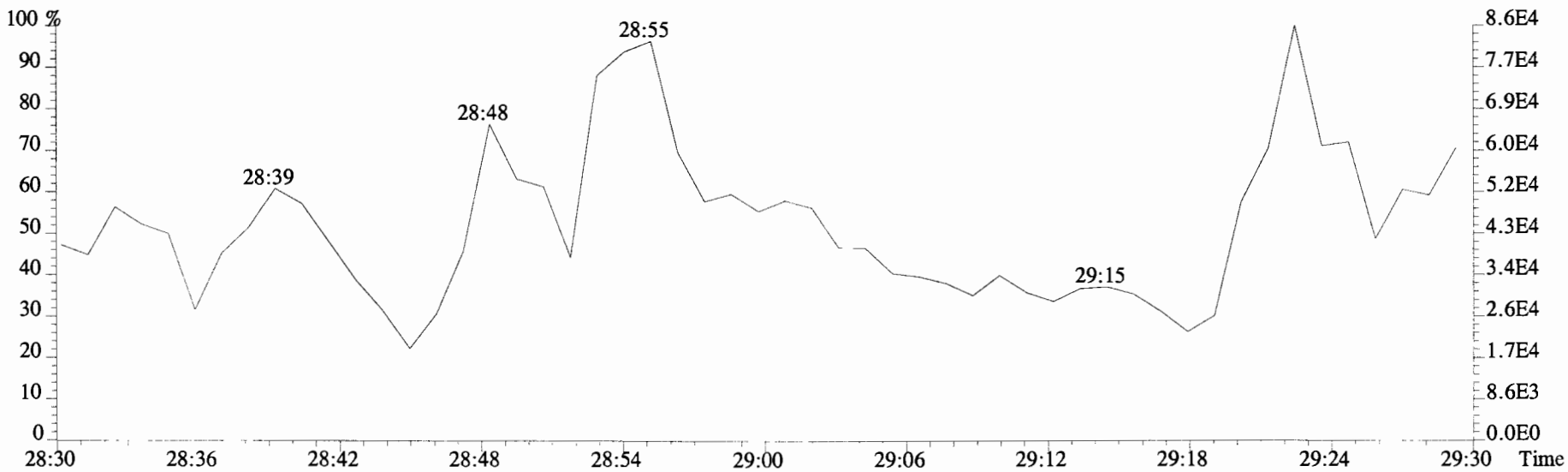

330.9792 S:2 F:3



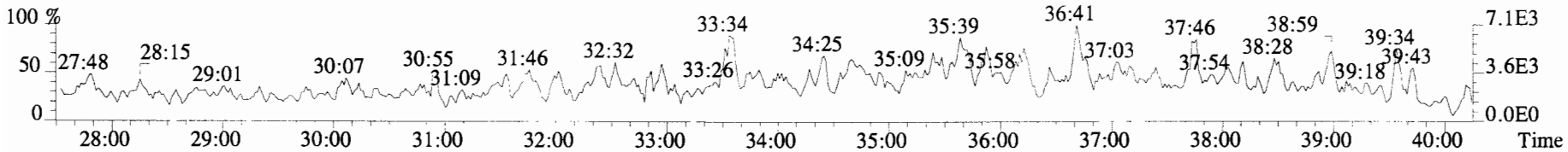
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
268.0016 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,61824.0,0.00%,F,F)



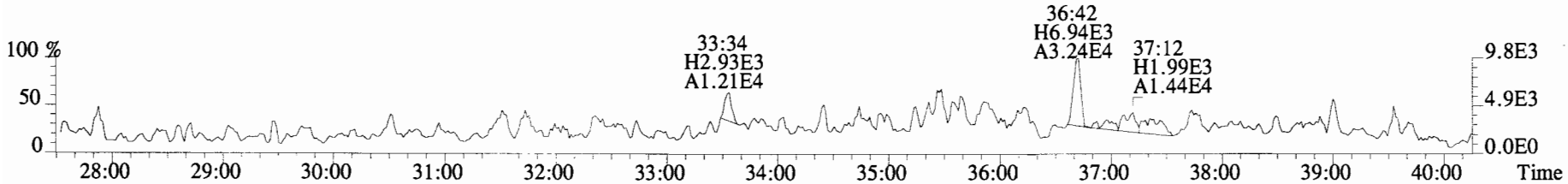

269.9986 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,51720.0,0.00%,F,F)



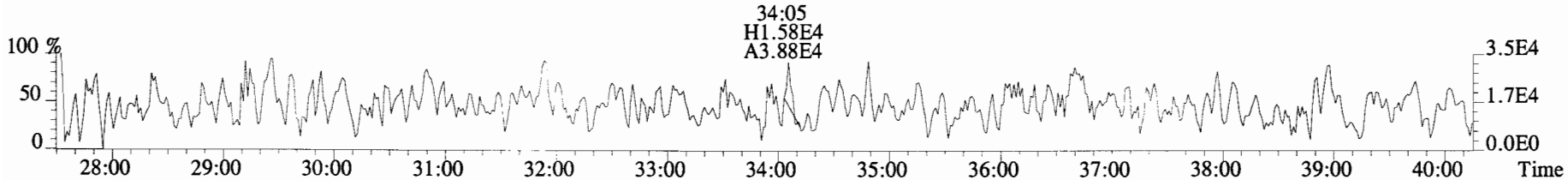
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3292.0,0.00%,F,F)



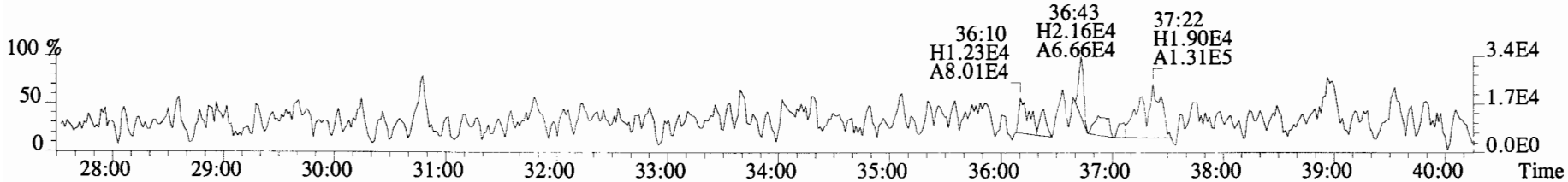

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



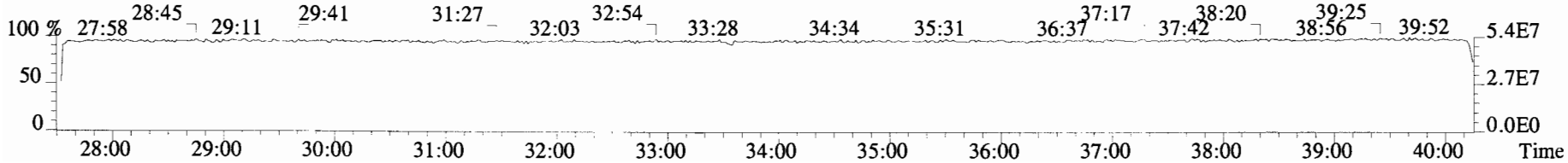

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21592.0,0.00%,F,F)



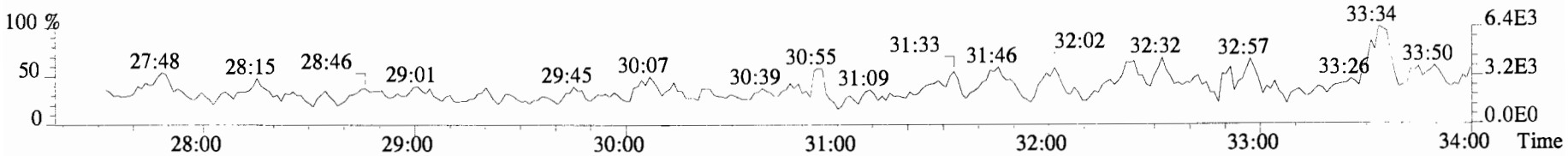

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14280.0,0.00%,F,F)



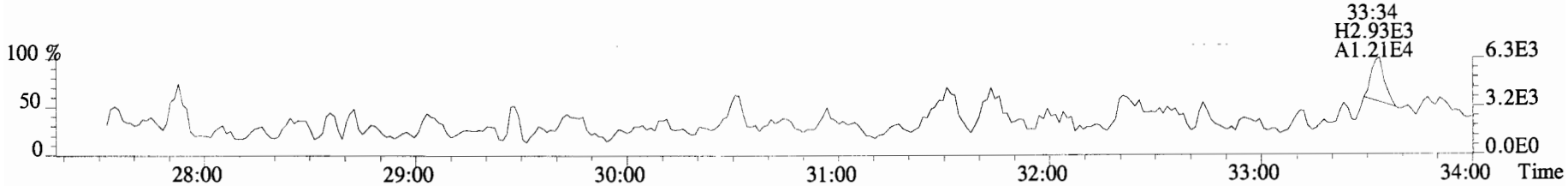

330.9792 S:2 F:3



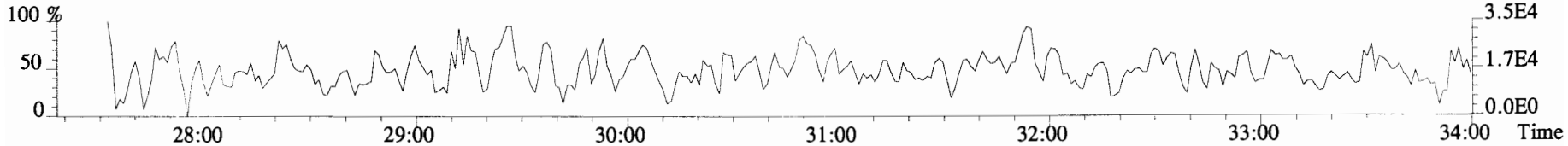
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3292.0,0.00%,F,F)



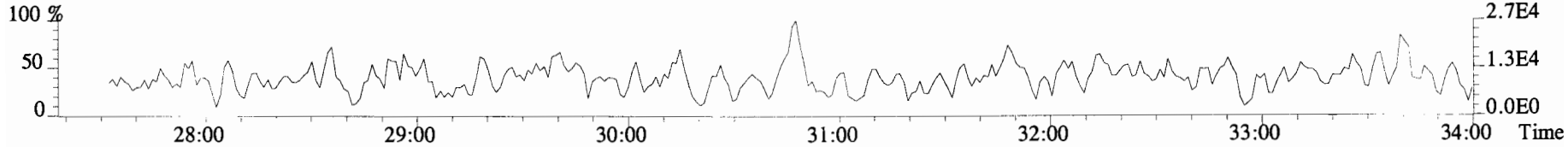

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



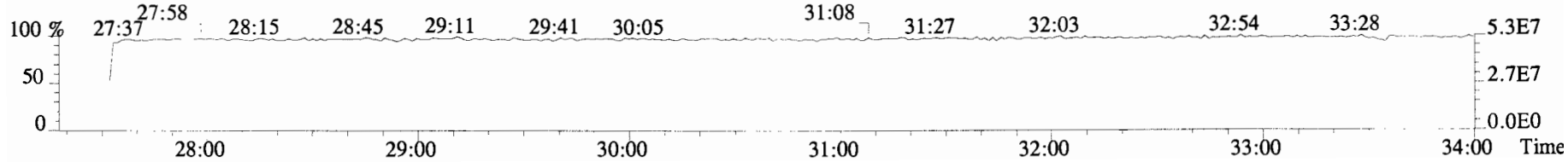

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21592.0,0.00%,F,F)



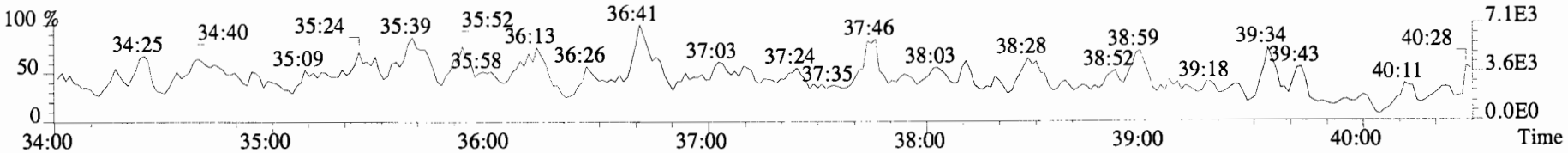

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14280.0,0.00%,F,F)



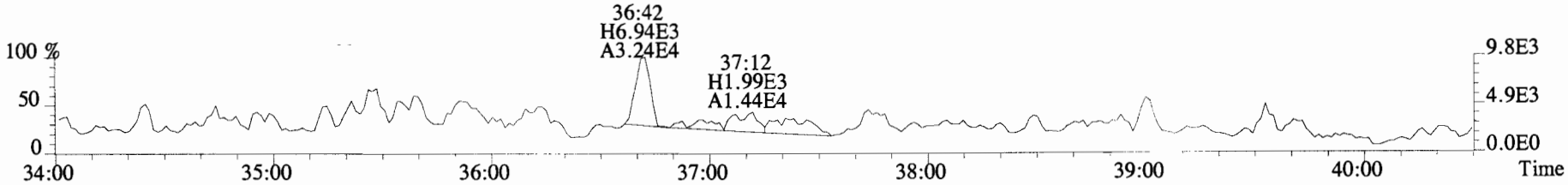

330.9792 S:2 F:3



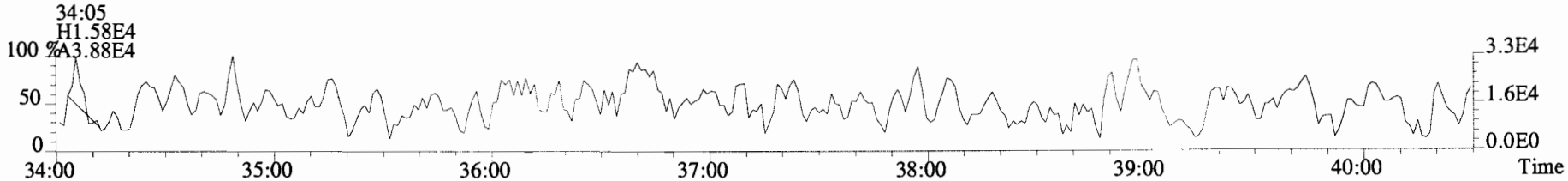
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3292.0,0.00%,F,F)



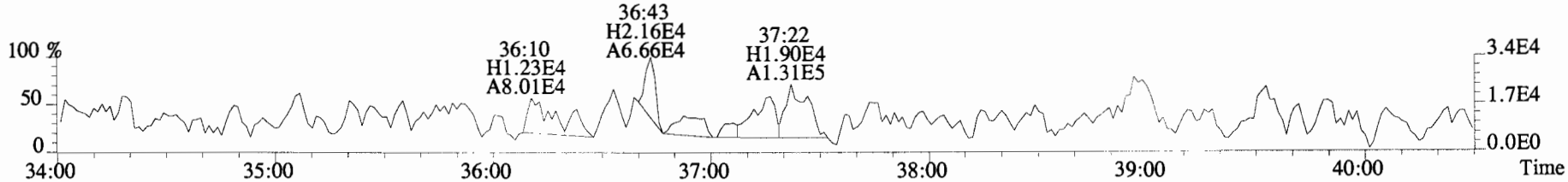

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



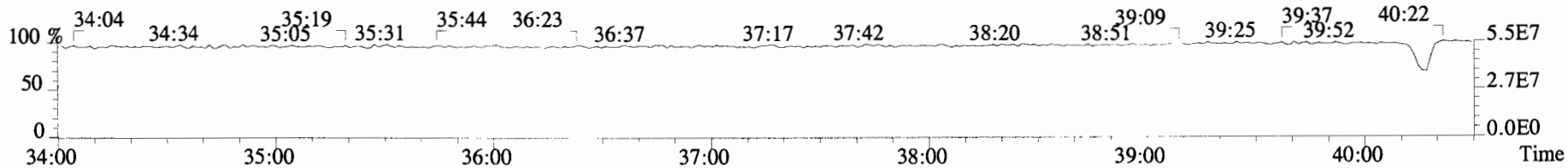

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21592.0,0.00%,F,F)



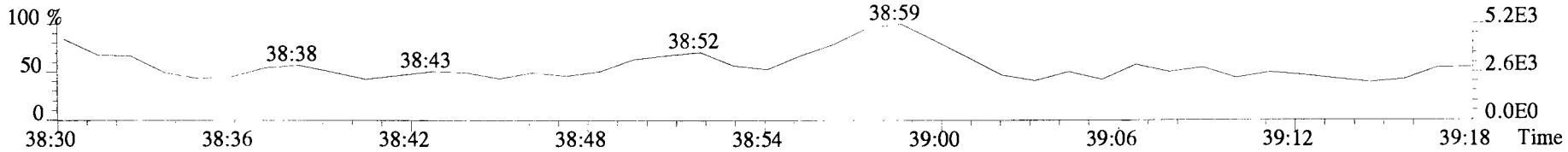

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14280.0,0.00%,F,F)



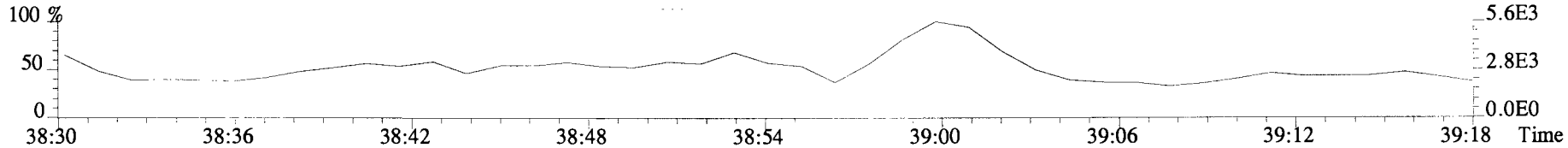

330.9792 S:2 F:3



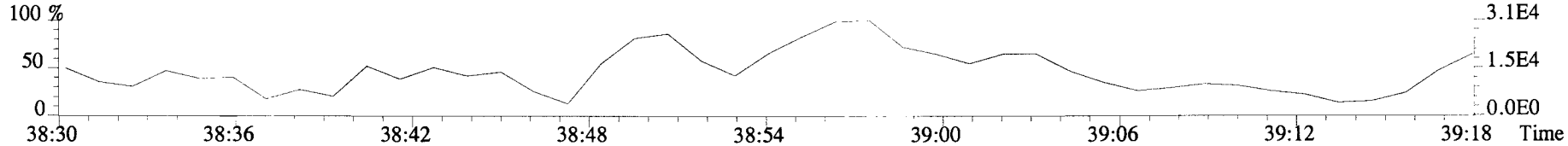
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3292.0,0.00%,F,F)



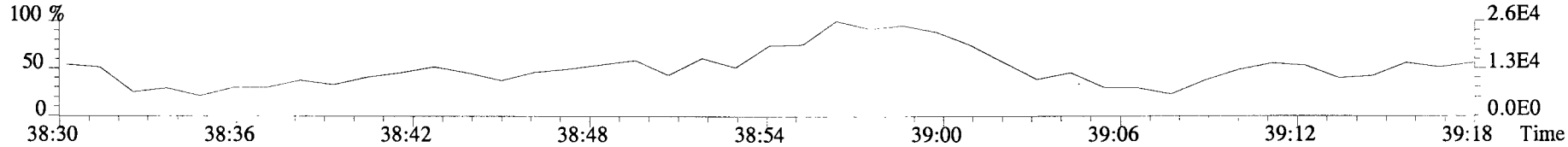

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2892.0,0.00%,F,F)



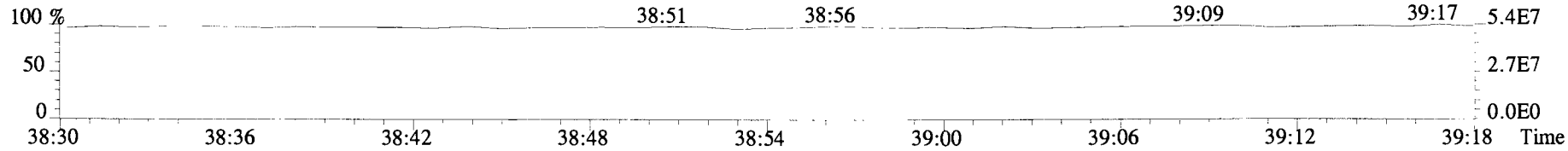

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21592.0,0.00%,F,F)



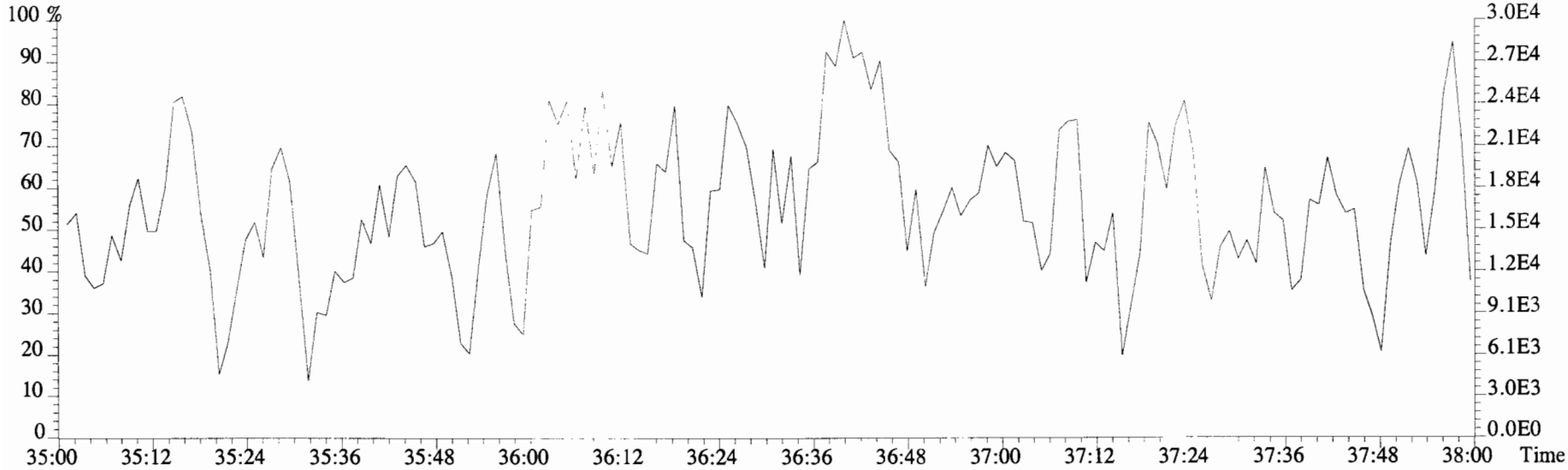

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14280.0,0.00%,F,F)



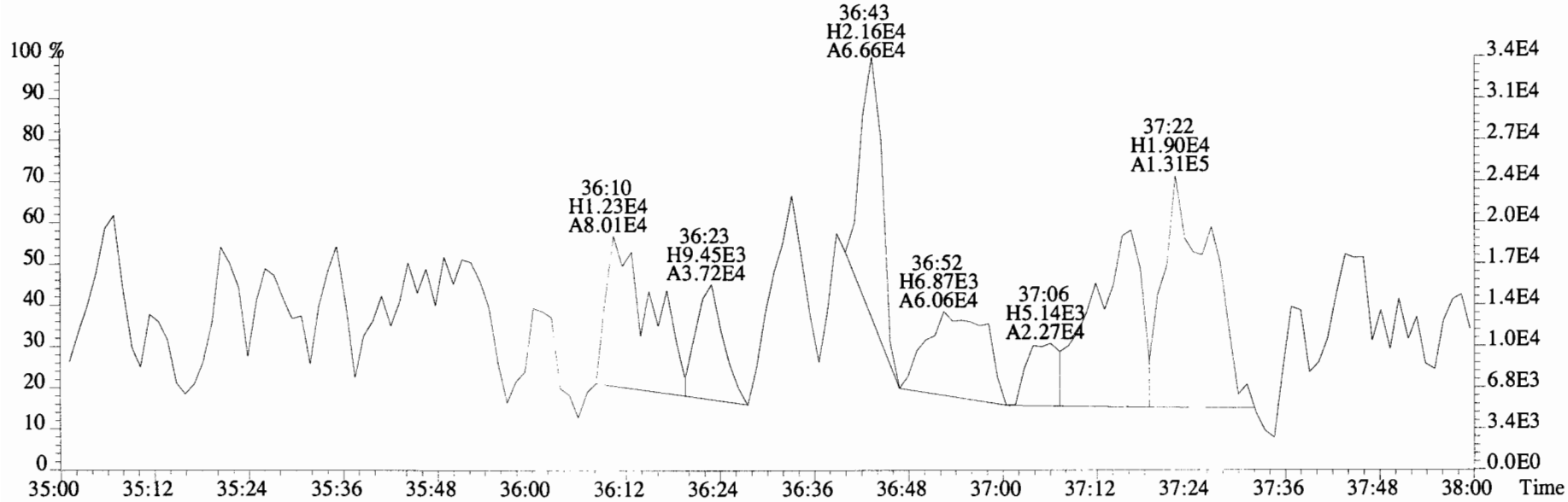

330.9792 S:2 F:3



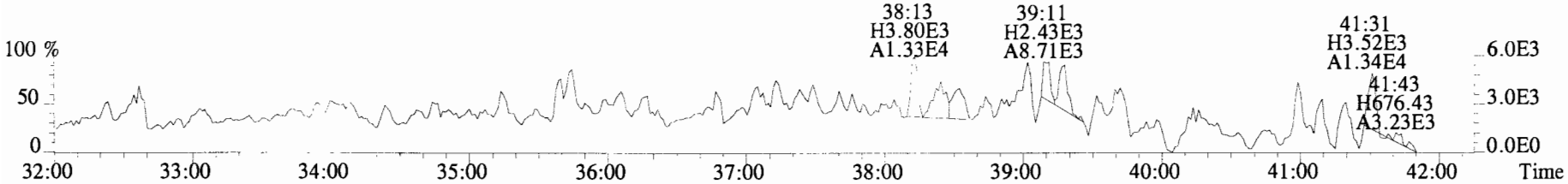
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21592.0,0.00%,F,F)



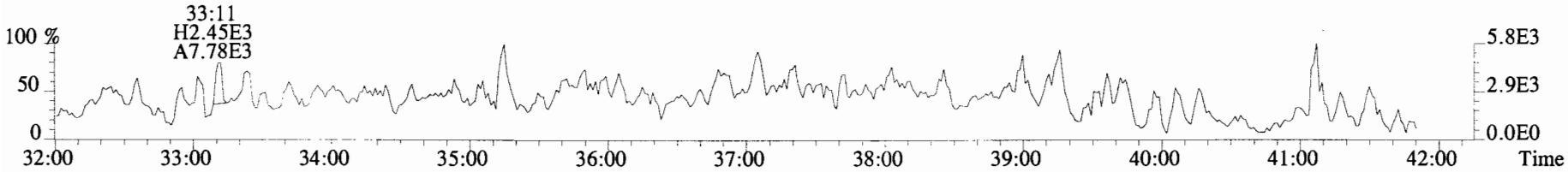

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14280.0,0.00%,F,F)



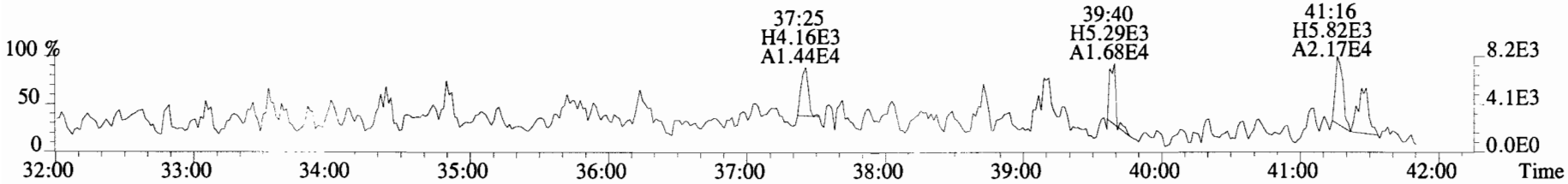
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



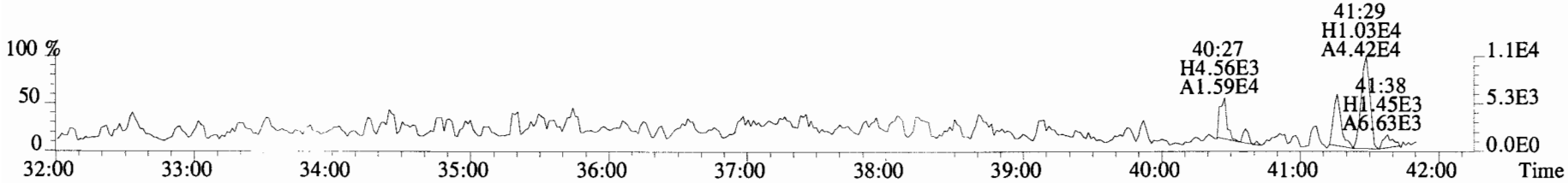

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3108.0,0.00%,F,F)



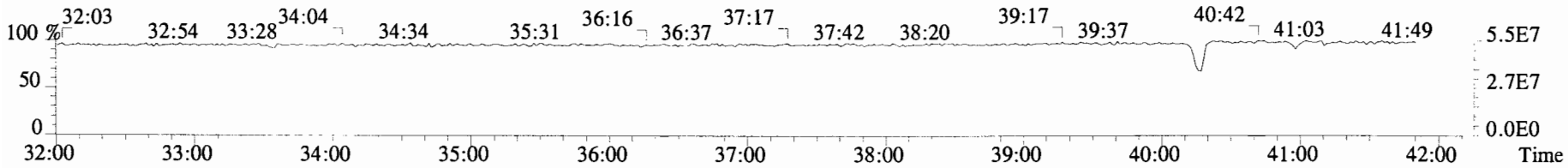

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3276.0,0.00%,F,F)



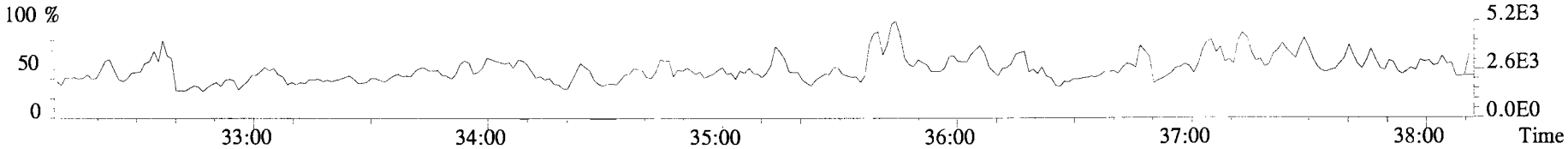

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2488.0,0.00%,F,F)



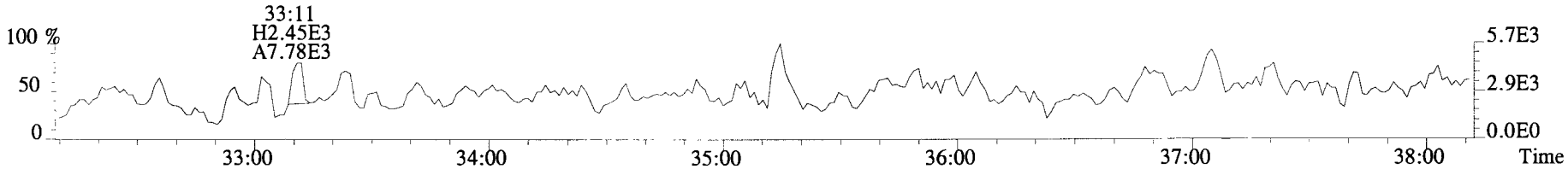

330.9792 S:2 F:3



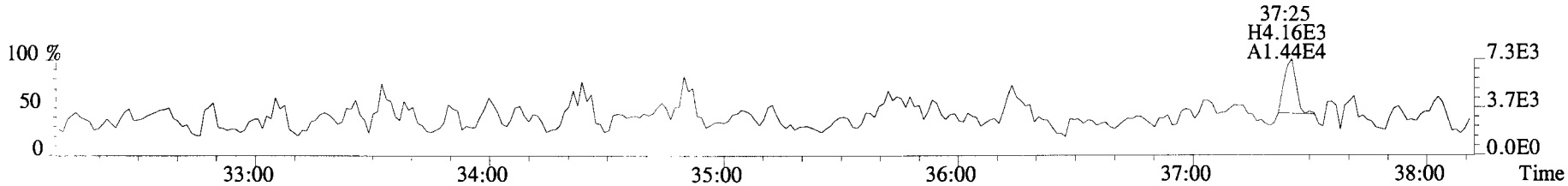
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



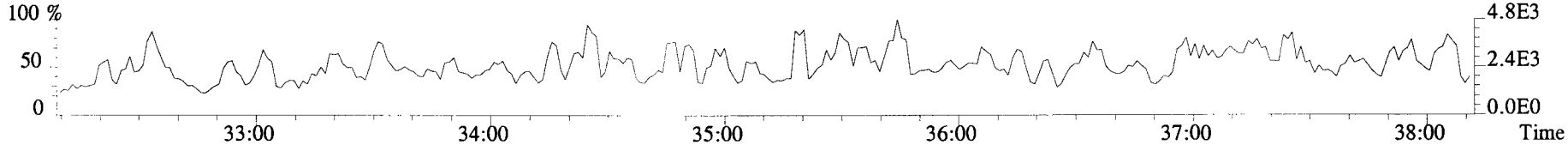

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3108.0,0.00%,F,F)



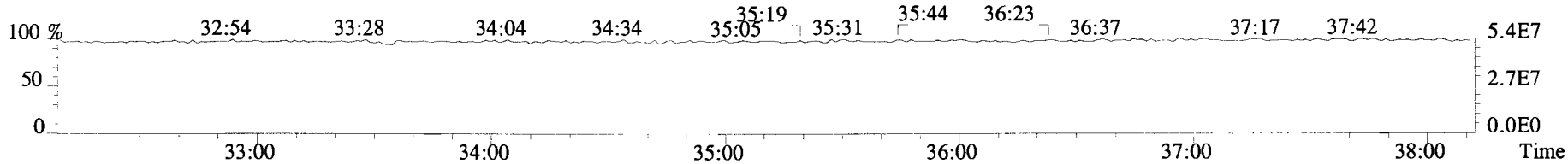

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3276.0,0.00%,F,F)



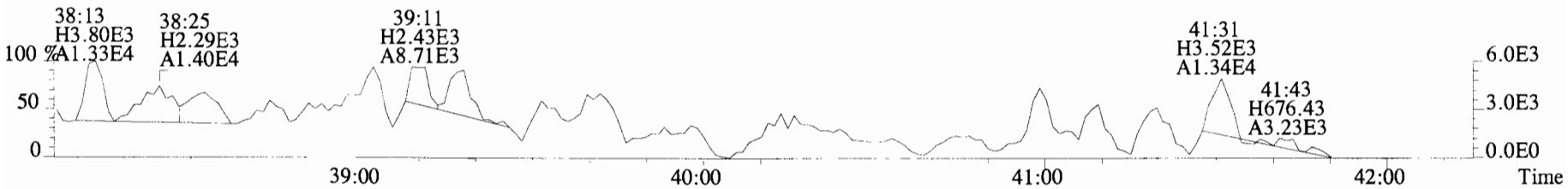

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2488.0,0.00%,F,F)



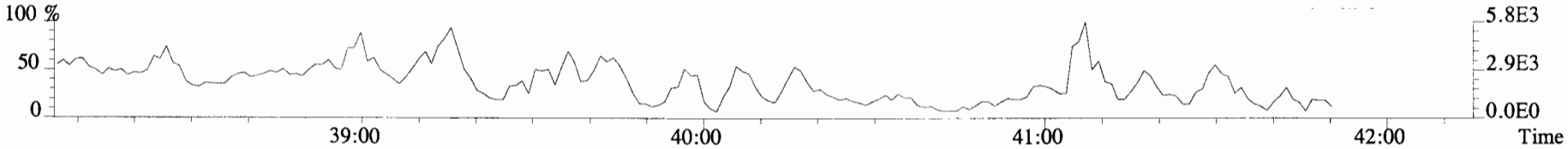

330.9792 S:2 F:3



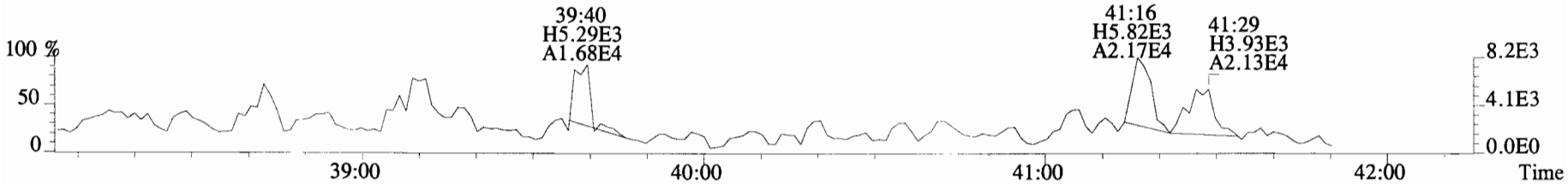
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3024.0,0.00%,F,F)



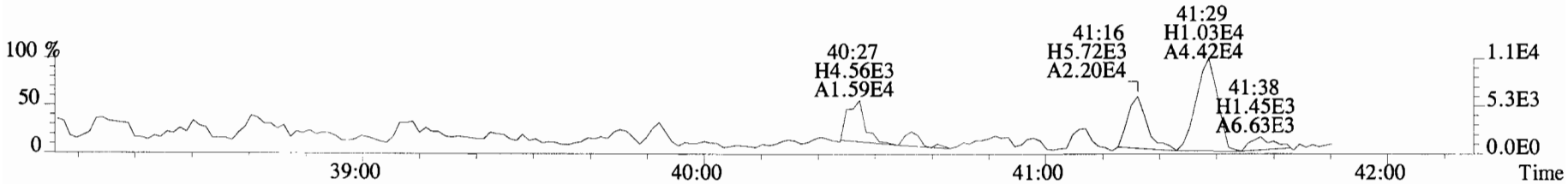

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3108.0,0.00%,F,F)



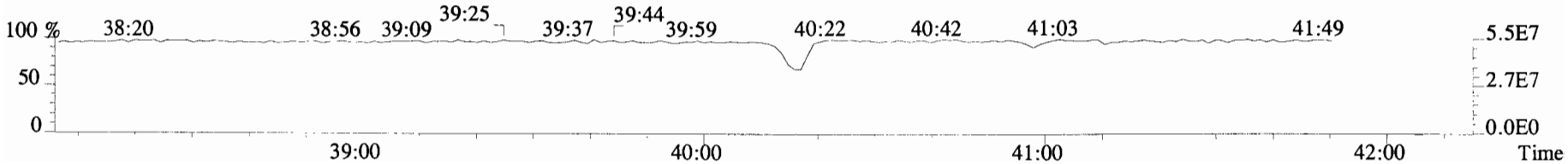

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3276.0,0.00%,F,F)



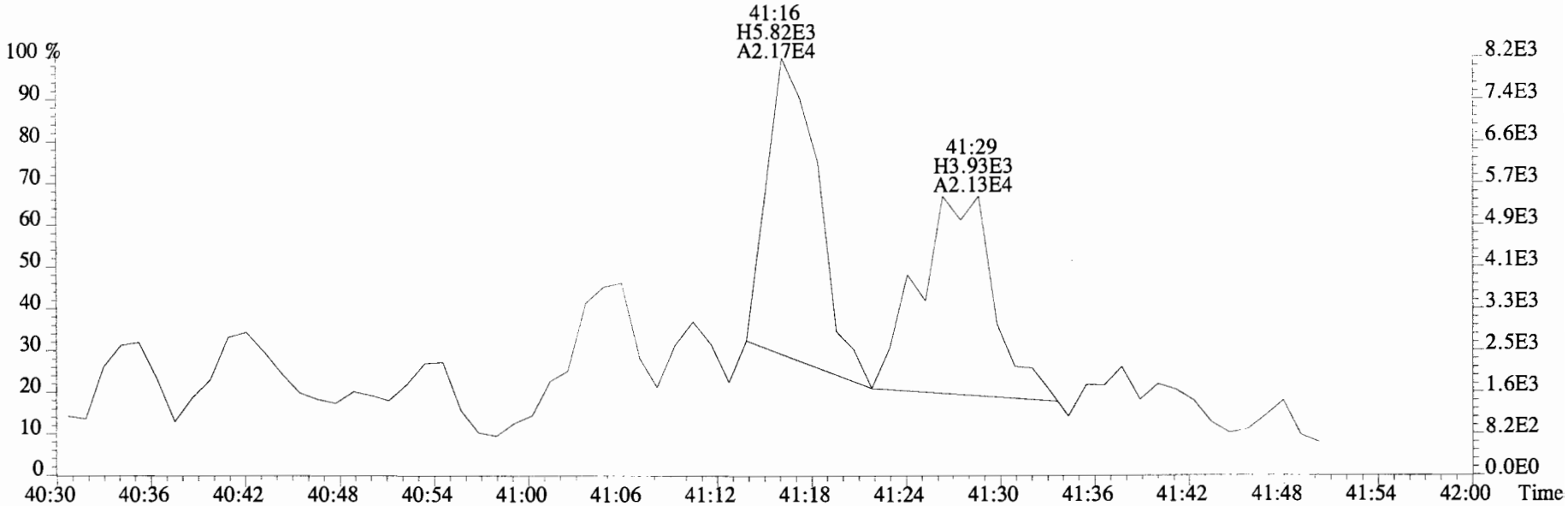

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2488.0,0.00%,F,F)



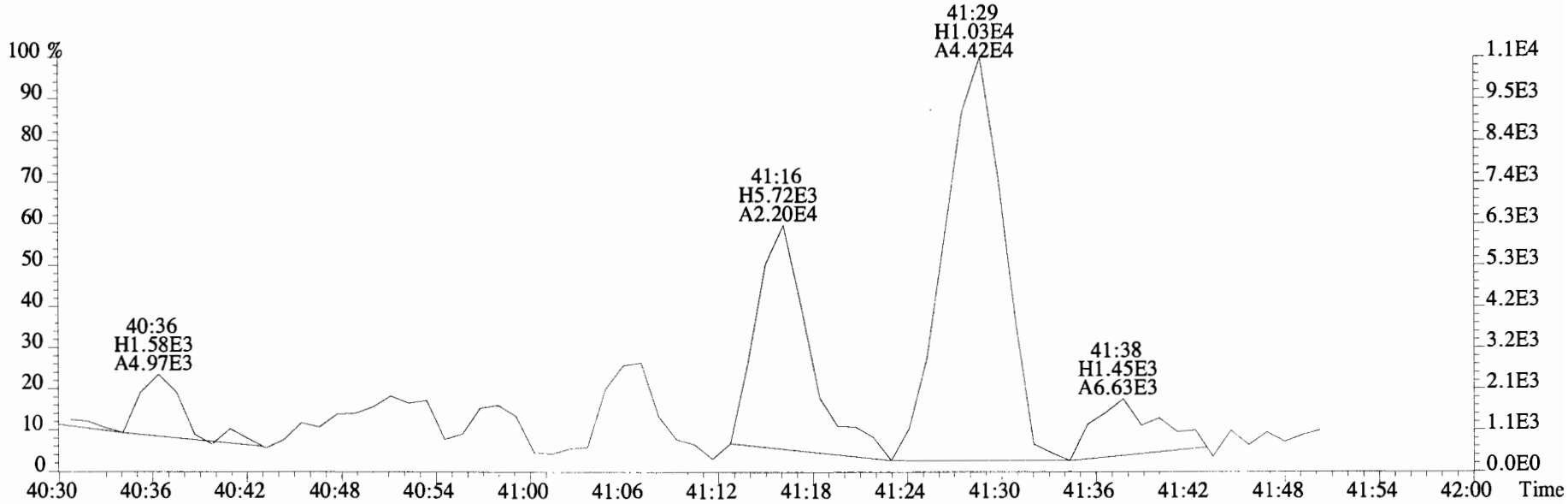

330.9792 S:2 F:3



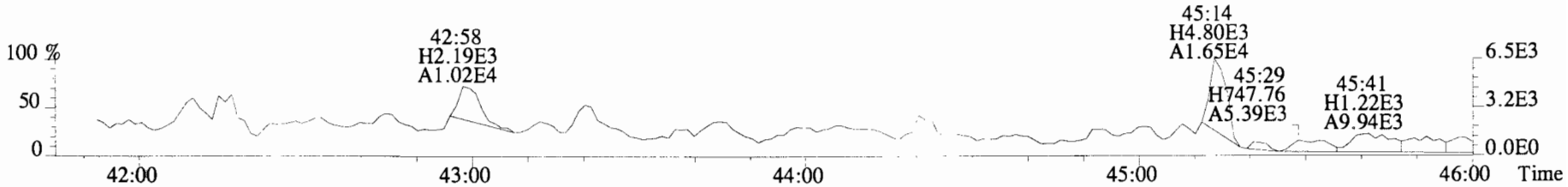
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3276.0,0.00%,F,F)



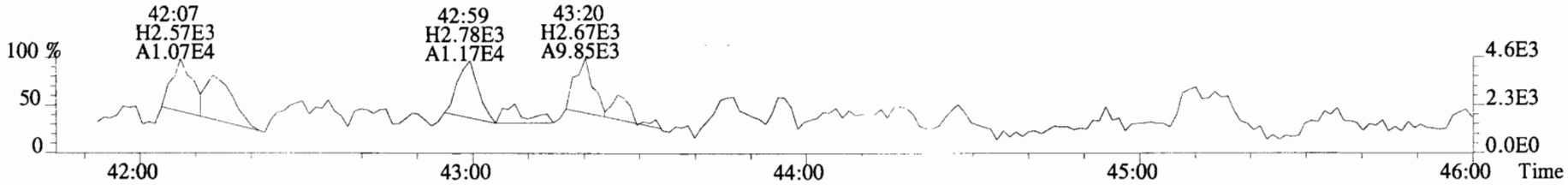

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2488.0,0.00%,F,F)



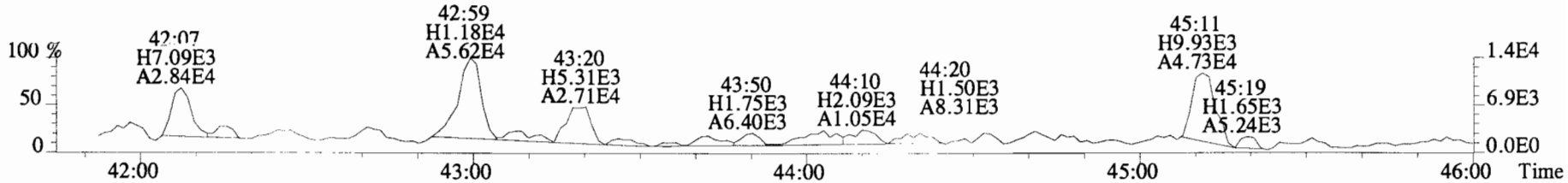
File:180409E2 #1-574 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
325.8804 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2000.0,0.00%,F,F)



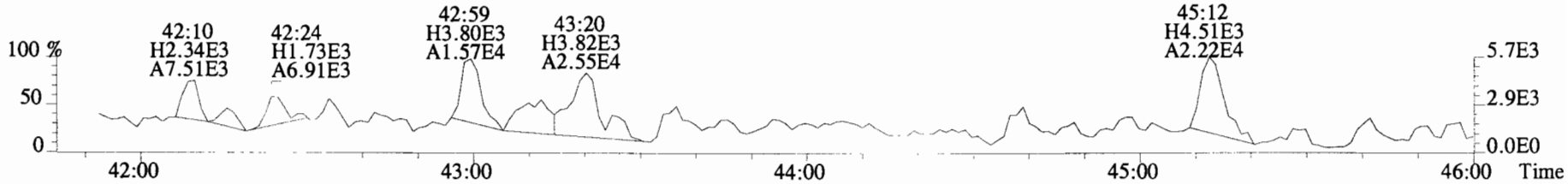

327.8775 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2048.0,0.00%,F,F)



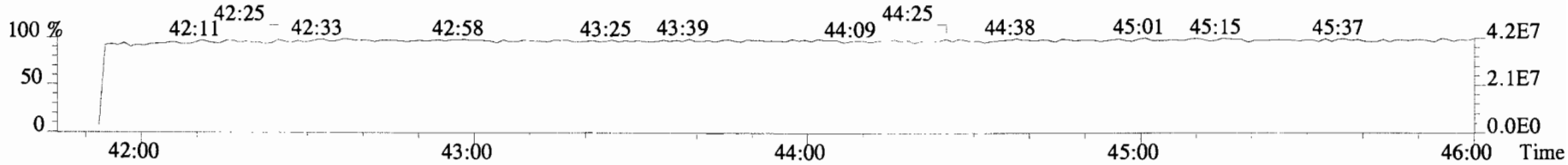

337.9207 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2392.0,0.00%,F,F)



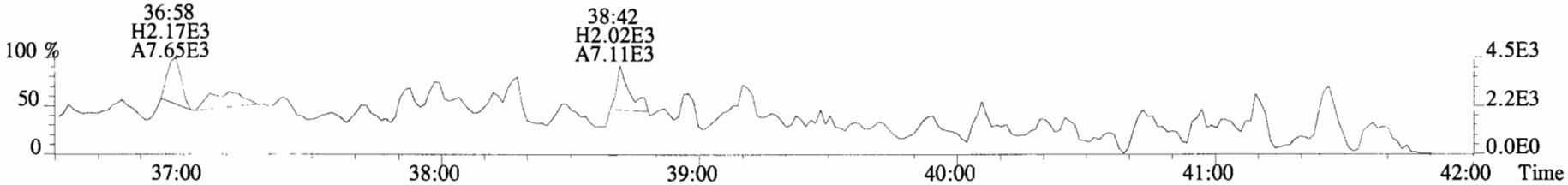

339.9177 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2040.0,0.00%,F,F)



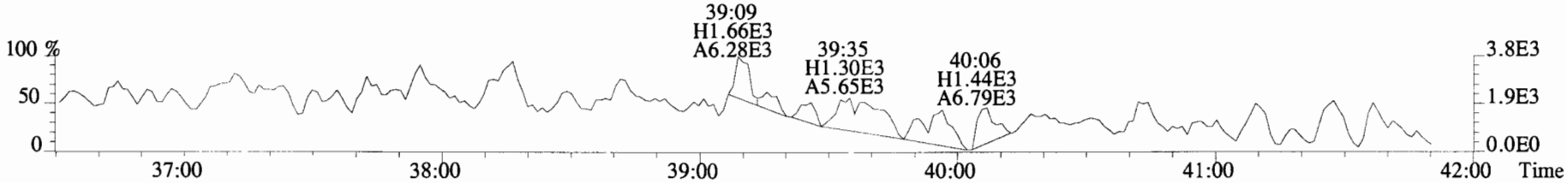

380.9760 S:2 F:4



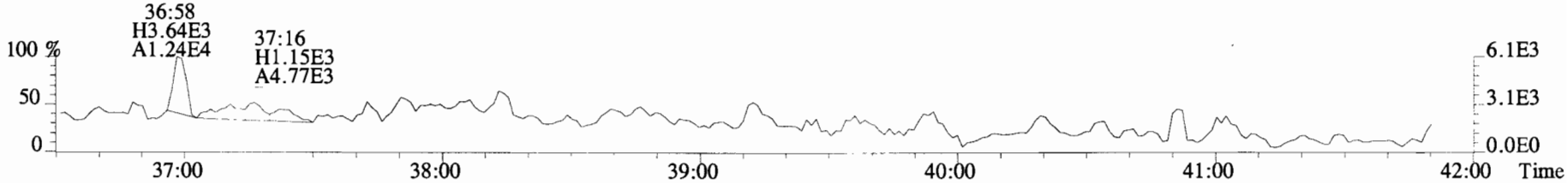
File:180409E2 #1-756 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
359.8415 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2220.0,0.00%,F,F)



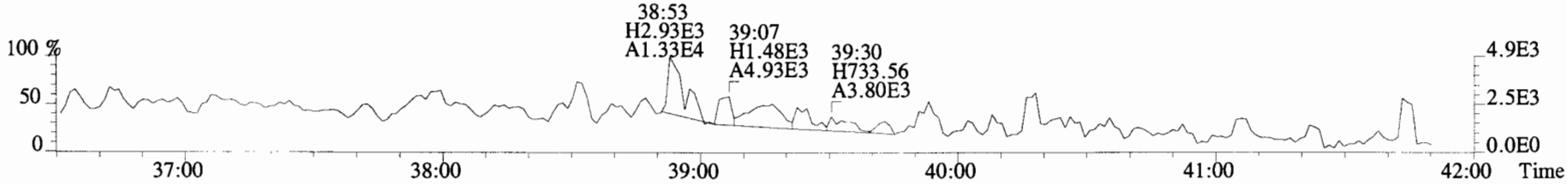

361.8385 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2352.0,0.00%,F,F)



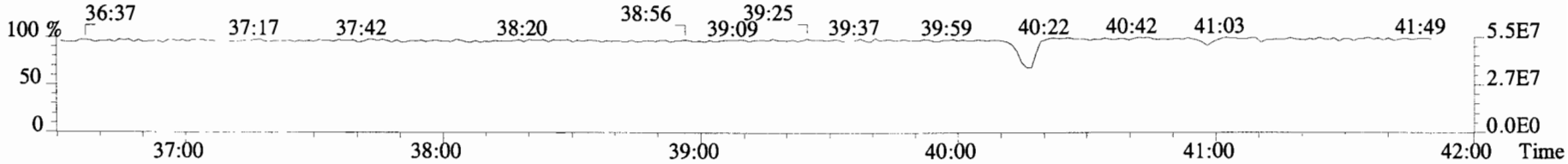

371.8817 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2600.0,0.00%,F,F)



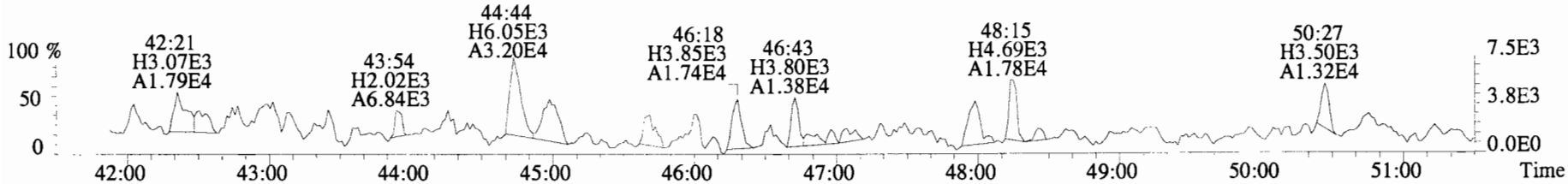

373.8788 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2440.0,0.00%,F,F)



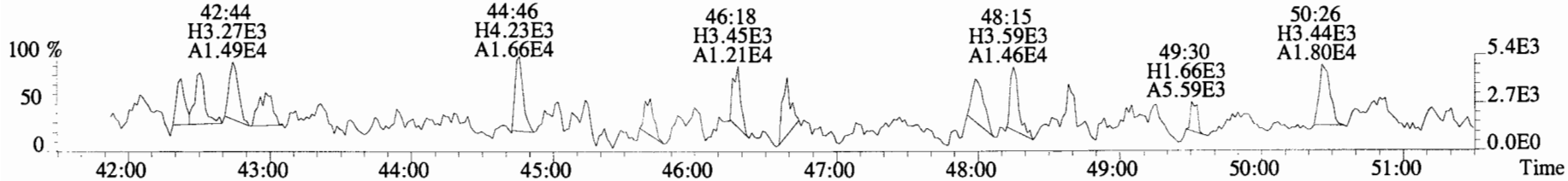

330.9792 S:2 F:3



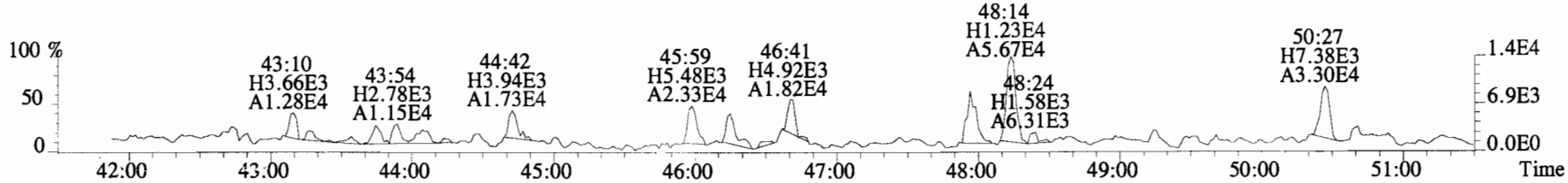
File:180409E2 #1-574 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
359.8415 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



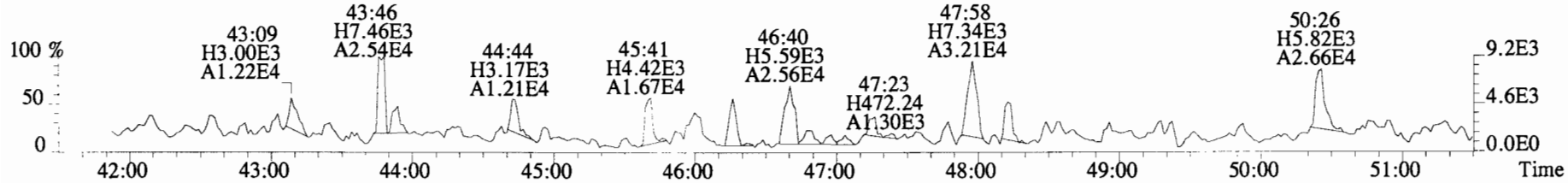

361.8385 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2032.0,0.00%,F,F)



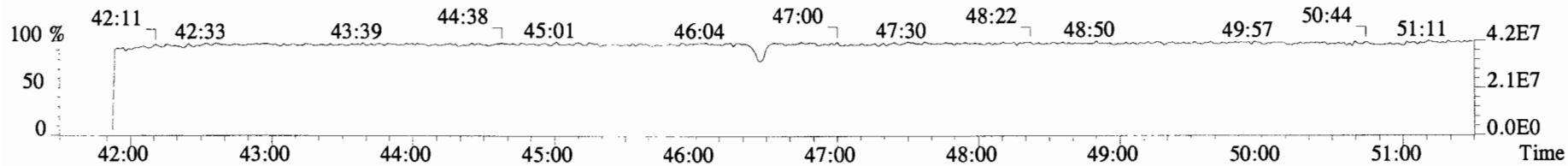

371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2112.0,0.00%,F,F)



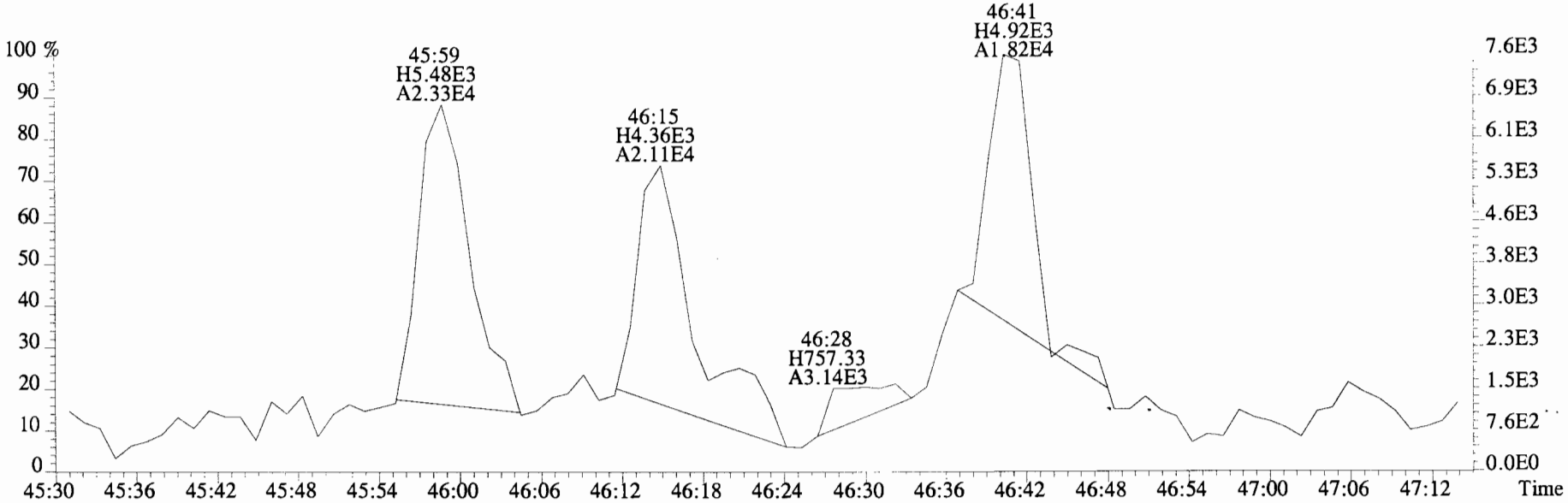

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2156.0,0.00%,F,F)



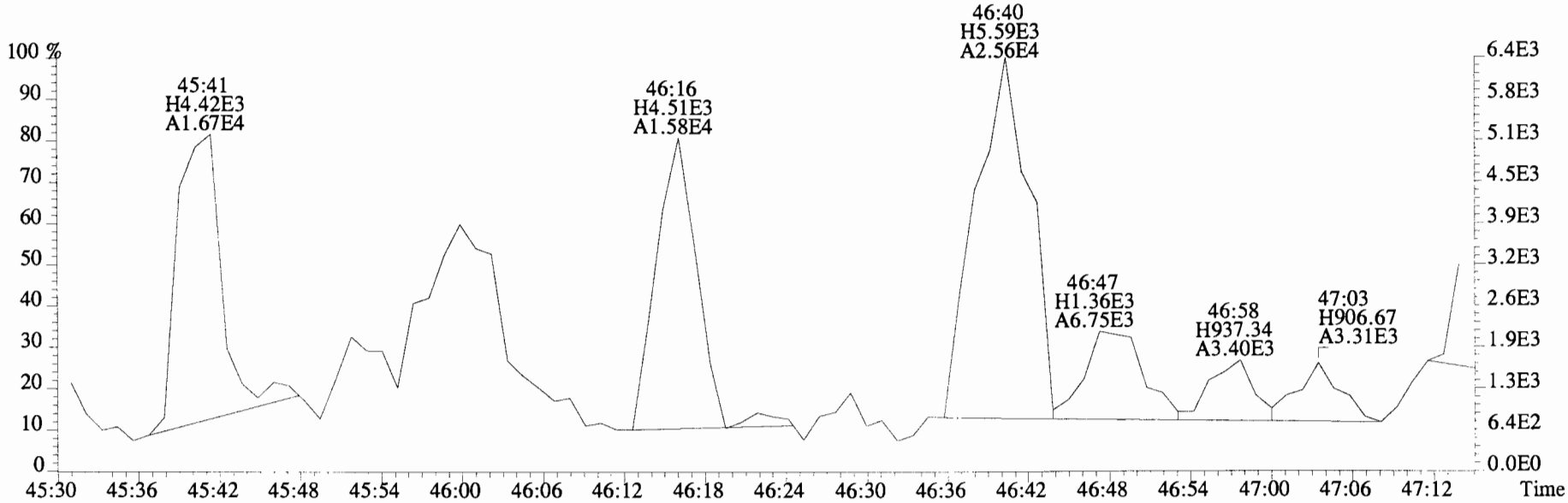

380.9760 S:2 F:4



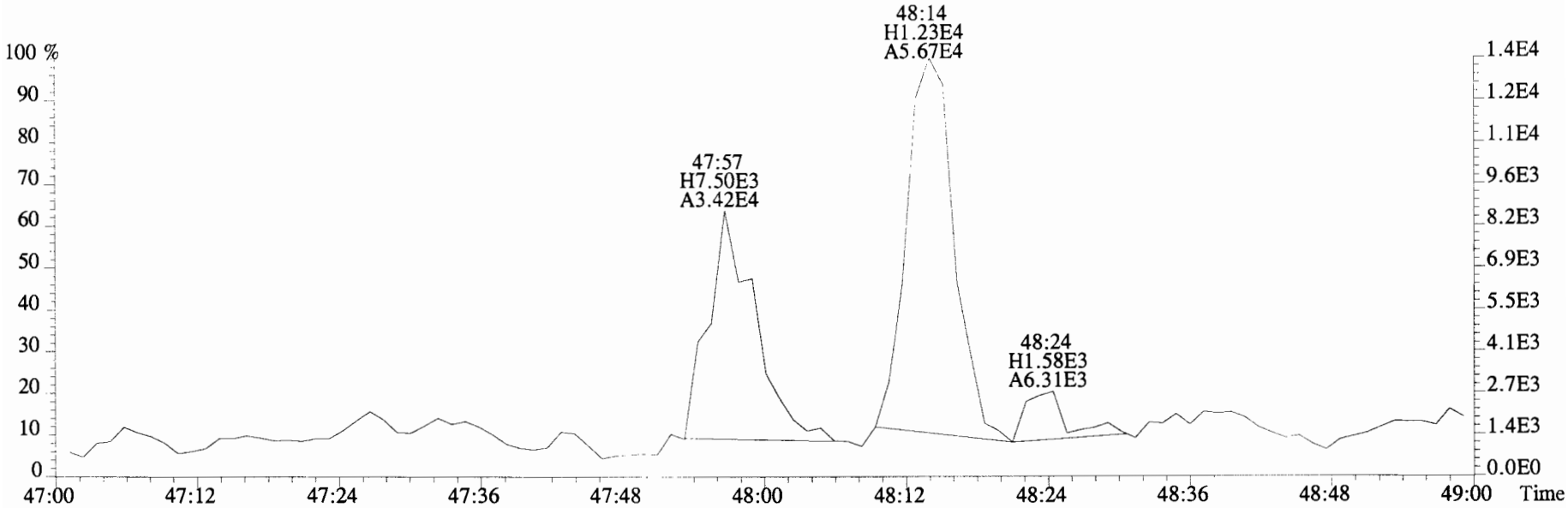
File:180409E2 #1-574 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2112.0,0.00%,F,F)



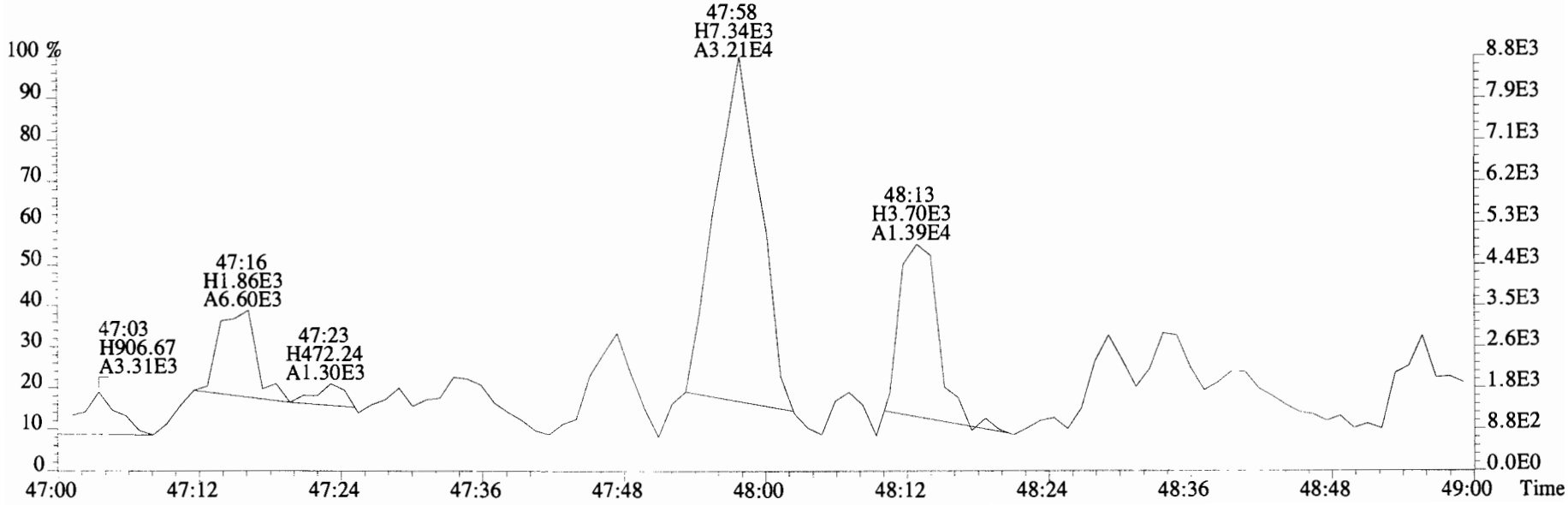

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2156.0,0.00%,F,F)



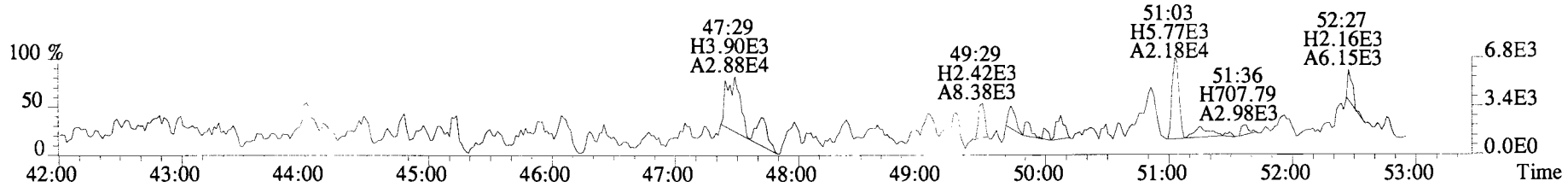
File:180409E2 #1-574 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2112.0,0.00%,F,F)



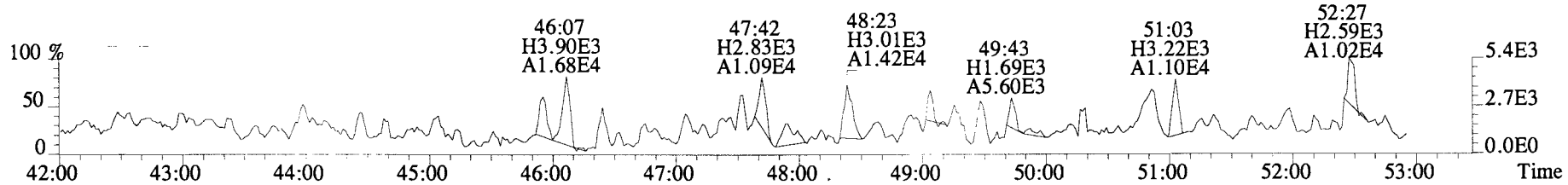

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2156.0,0.00%,F,F)



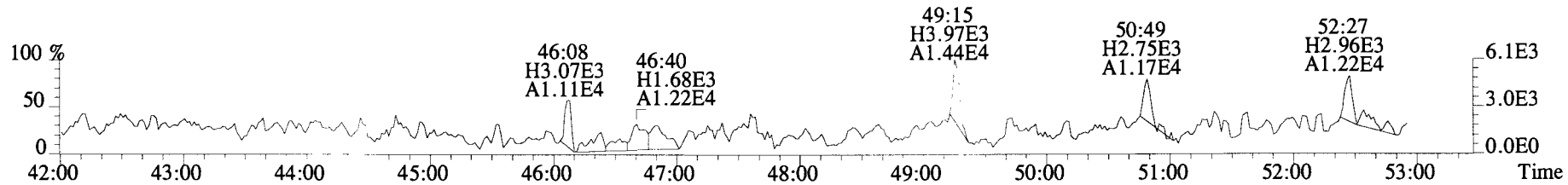
File:180409E2 #1-574 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
393.8025 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2088.0,0.00%,F,F)



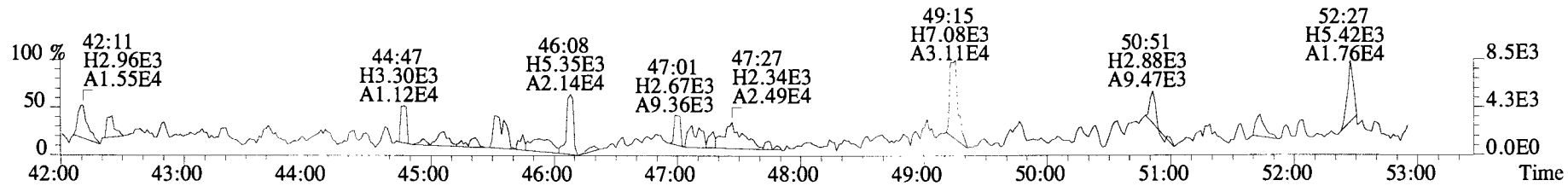

395.7995 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1824.0,0.00%,F,F)



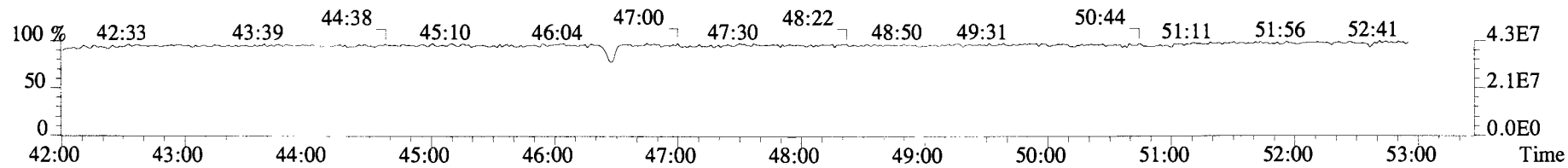

403.8457 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1988.0,0.00%,F,F)



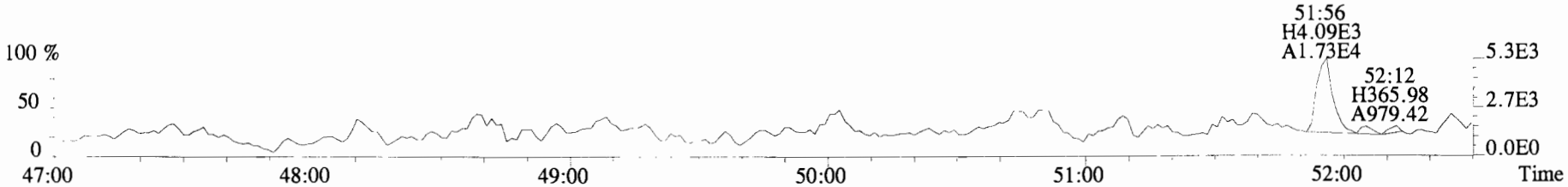

405.8428 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1948.0,0.00%,F,F)



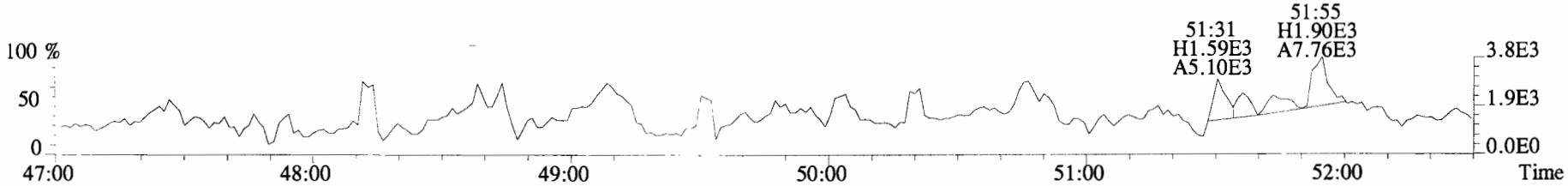

380.9760 S:2 F:4



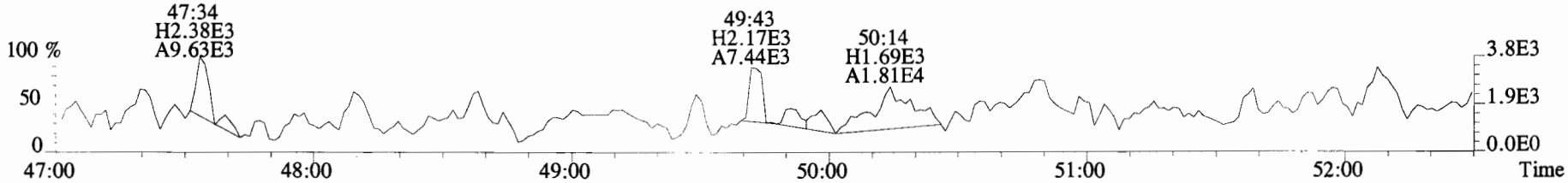
File:180409E2 #1-574 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
427.7635 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1724.0,0.00%,F,F)



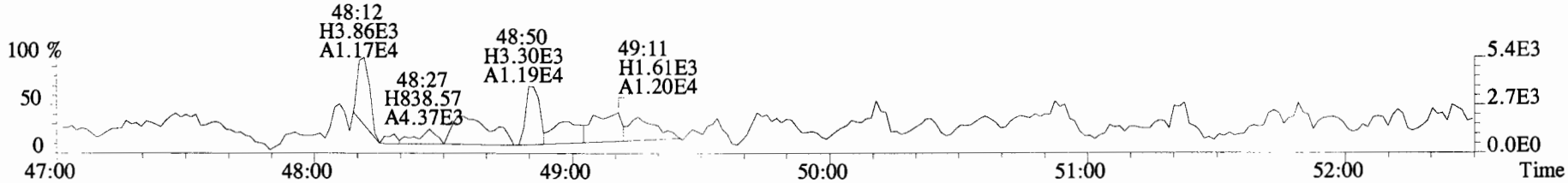

429.7606 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1908.0,0.00%,F,F)



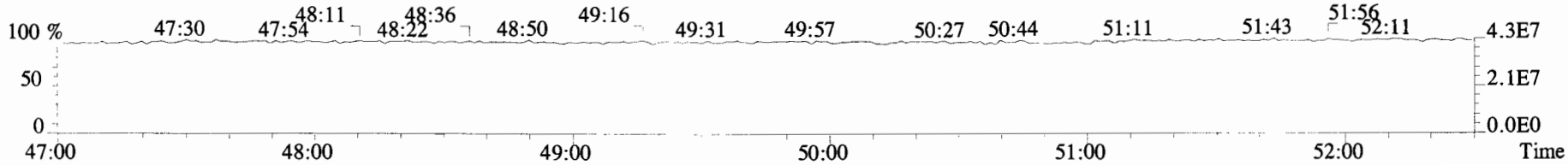

439.8038 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1968.0,0.00%,F,F)



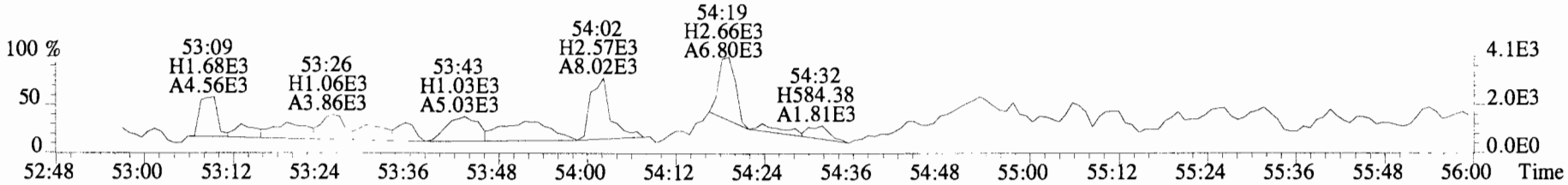

441.8008 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1964.0,0.00%,F,F)



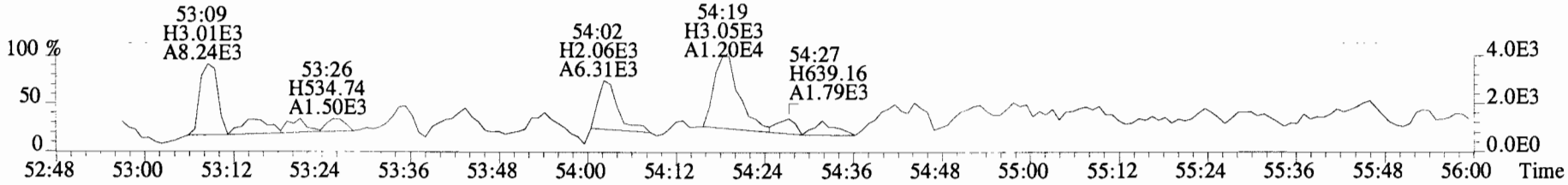

380.9760 S:2 F:4



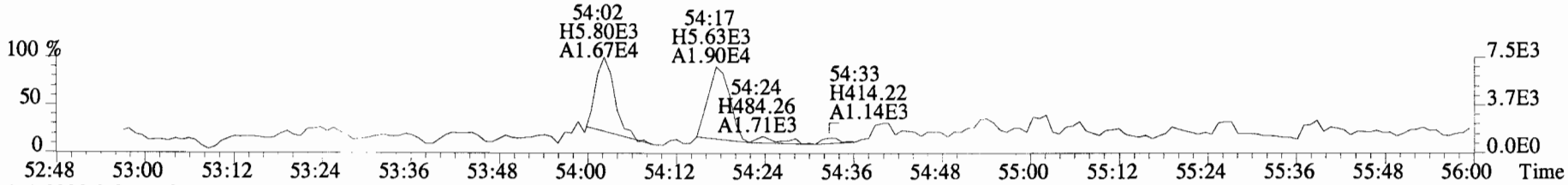
File:180409E2 #1-407 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
427.7635 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1612.0,0.00%,F,F)



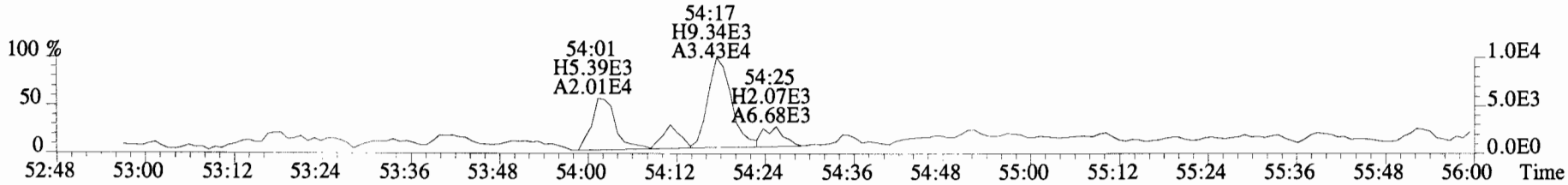

429.7606 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1748.0,0.00%,F,F)



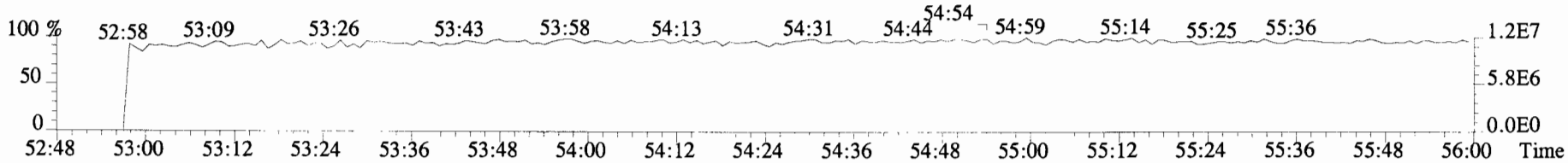

439.8038 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1920.0,0.00%,F,F)



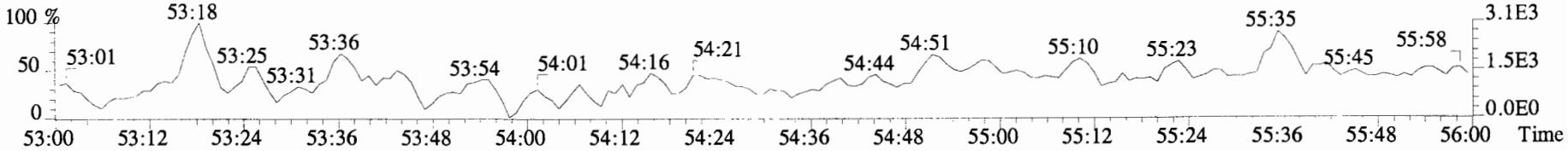

441.8008 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1896.0,0.00%,F,F)



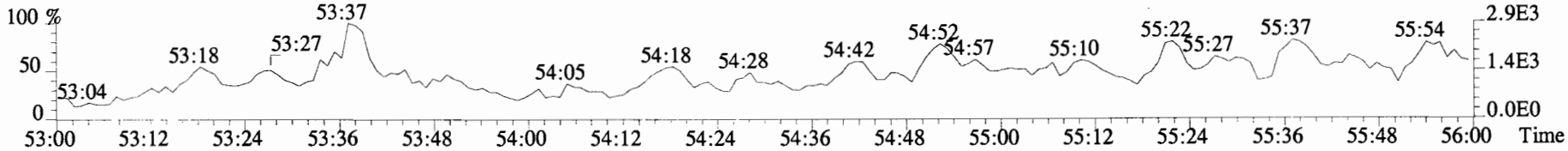

492.9697 S:2 F:5



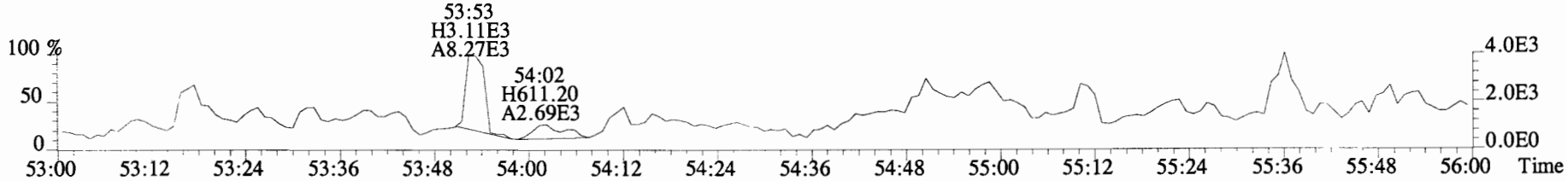
File:180409E2 #1-407 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
463.7216 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1580.0,0.00%,F,F)



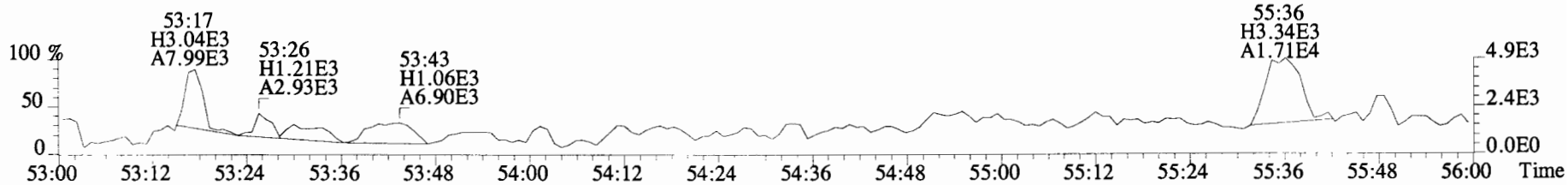

465.7186 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1720.0,0.00%,F,F)



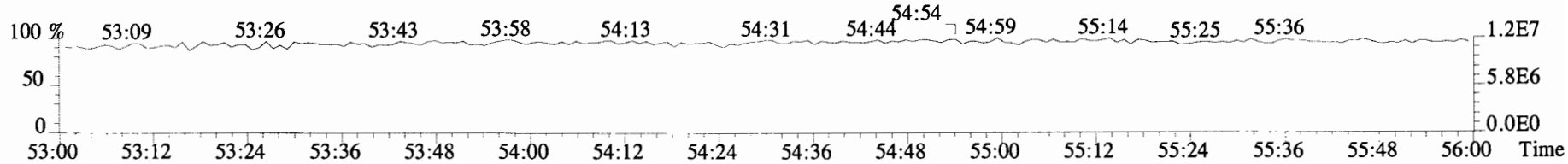

473.7648 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1660.0,0.00%,F,F)



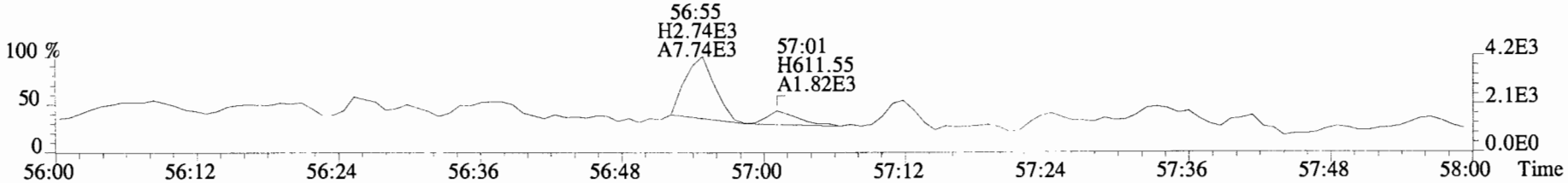

475.7619 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1812.0,0.00%,F,F)



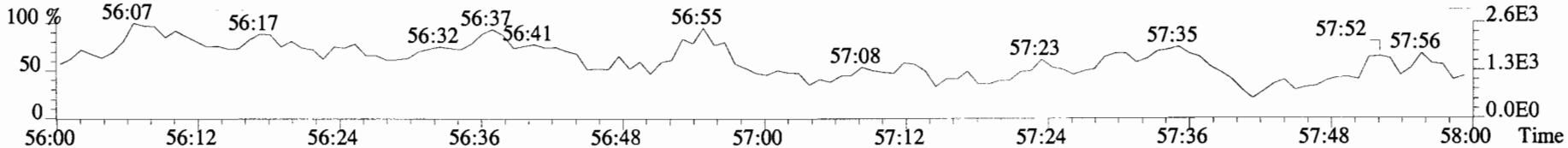

492.9697 S:2 F:5



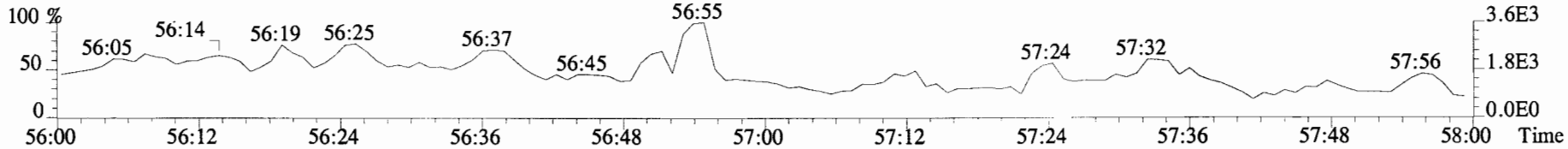
File:180409E2 #1-407 Acq:10-APR-2018 07:52:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:SOLVENT BLANK Exp:PCB_ZB1
497.6826 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1740.0,0.00%,F,F)



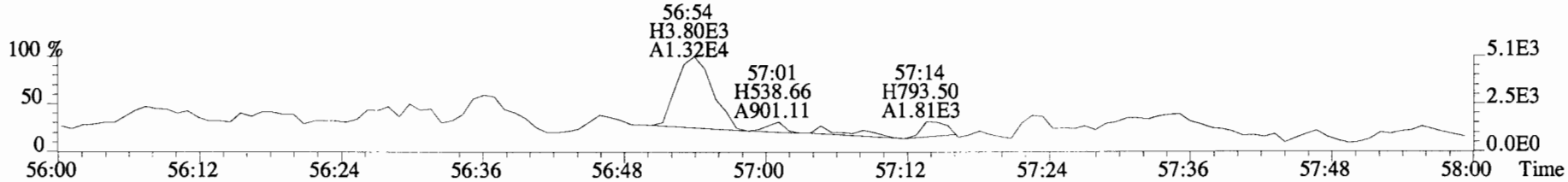

499.6797 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1584.0,0.00%,F,F)



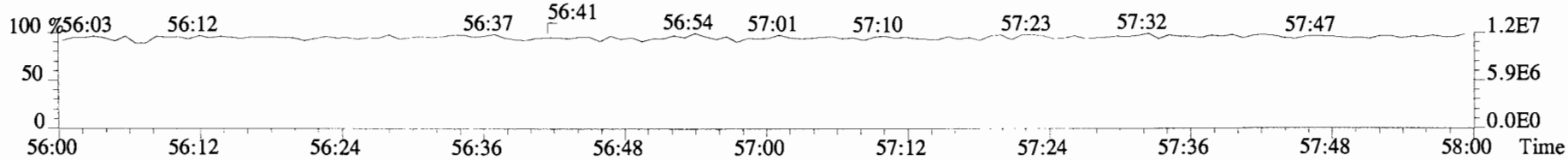

509.7229 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1764.0,0.00%,F,F)




511.7199 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1552.0,0.00%,F,F)




492.9697 S:2 F:5



# INITIAL CALIBRATION

Initial Calibration RRF Summary (ICAL) Vista Analytical Laboratory
Run: 180208E1 Analyte: PCBNEW Cal: PCBVG8-2-8-18 Inst. ID. VG-8

Data filename: 180208E1

| | | | Samp# 1 | Samp# 2 | Samp# 3 | Samp# 4 | Samp# 5 | Samp# 6 |
|---|---|---|---|---|---|---|---|---|
| | | | 0.25 | 1.0 | 2.5 | 50 | 400 | 1000 |
| Name | Mean RRF | %RSD | RRF#1 | RRF#2 | RRF#3 | RRF#4 | RRF#5 | RRF#6 |
| PCB-1 | 1.073 | 6.13 % | 1.14 | 1.15 | 1.09 | 1.00 | 1.05 | 1.01 |
| PCB-2 | 1.059 | 7.19 % | 1.17 | 1.13 | 1.06 | 0.97 | 1.02 | 1.00 |
| PCB-3 | 1.061 | 7.61 % | 1.19 | 1.11 | 1.08 | 0.98 | 1.02 | 0.99 |
| PCB-4/10 | 1.237 | 6.20 % | 1.29 | 1.35 | 1.27 | 1.16 | 1.20 | 1.15 |
| PCB-7/9 | 0.993 | 7.86 % | 1.10 | 1.07 | 1.01 | 0.91 | 0.95 | 0.92 |
| PCB-6 | 1.058 | 6.90 % | 1.16 | 1.12 | 1.09 | 0.98 | 1.02 | 0.99 |
| PCB-5/8 | 1.028 | 6.70 % | 1.10 | 1.11 | 1.03 | 0.96 | 1.00 | 0.96 |
| PCB-14 | 1.032 | 5.99 % | 1.01 | 1.13 | 1.08 | 0.99 | 1.00 | 0.98 |
| PCB-11 | 1.112 | 6.22 % | 1.18 | 1.19 | 1.15 | 1.05 | 1.06 | 1.04 |
| PCB-12/13 | 1.018 | 5.16 % | 1.06 | 1.10 | 1.03 | 0.96 | 0.99 | 0.97 |
| PCB-15 | 1.055 | 6.07 % | 1.04 | 1.16 | 1.10 | 1.00 | 1.03 | 0.99 |
| PCB-19 | 1.197 | 5.83 % | 1.26 | 1.27 | 1.24 | 1.12 | 1.15 | 1.13 |
| PCB-30 | 1.927 | 6.78 % | 2.02 | 2.11 | 1.98 | 1.78 | 1.85 | 1.82 |
| PCB-18 | 0.913 | 6.05 % | 0.95 | 0.97 | 0.97 | 0.87 | 0.85 | 0.86 |
| PCB-17 | 0.841 | 6.27 % | 0.88 | 0.91 | 0.87 | 0.80 | 0.79 | 0.80 |
| PCB-24/27 | 1.150 | 4.98 % | 1.15 | 1.24 | 1.20 | 1.10 | 1.11 | 1.11 |
| PCB-16/32 | 1.020 | 7.62 % | 1.13 | 1.09 | 1.03 | 0.95 | 0.96 | 0.95 |
| PCB-34 | 0.960 | 9.39 % | 0.99 | 1.05 | 1.04 | 0.86 | 0.84 | 0.97 |
| PCB-23 | 0.949 | 3.39 % | 0.96 | 0.95 | 0.90 | 0.96 | 0.93 | 1.00 |
| PCB-29 | 0.962 | 4.29 % | 1.00 | 0.98 | 0.98 | 0.93 | 0.90 | 0.98 |
| PCB-26 | 1.003 | 2.77 % | 1.03 | 1.04 | 1.00 | 0.97 | 0.97 | 1.01 |
| PCB-25 | 1.056 | 3.69 % | 1.11 | 1.08 | 1.07 | 1.01 | 1.02 | 1.06 |
| PCB-31 | 1.116 | 3.10 % | 1.11 | 1.09 | 1.10 | 1.10 | 1.11 | 1.19 |
| PCB-28 | 1.137 | 5.24 % | 1.17 | 1.21 | 1.19 | 1.07 | 1.10 | 1.09 |
| PCB-20/21/33 | 0.995 | 3.84 % | 1.03 | 1.00 | 0.98 | 0.93 | 0.98 | 1.04 |
| PCB-22 | 1.087 | 4.60 % | 1.12 | 1.11 | 1.05 | 1.02 | 1.07 | 1.15 |
| PCB-36 | 1.150 | 8.05 % | 1.26 | 1.25 | 1.18 | 1.08 | 1.08 | 1.05 |
| PCB-39 | 1.069 | 7.17 % | 1.18 | 1.13 | 1.10 | 1.01 | 1.00 | 0.99 |
| PCB-38 | 1.102 | 6.63 % | 1.20 | 1.17 | 1.13 | 1.03 | 1.06 | 1.03 |
| PCB-35 | 1.123 | 4.97 % | 1.16 | 1.20 | 1.13 | 1.05 | 1.10 | 1.08 |
| PCB-37 | 1.113 | 6.98 % | 1.23 | 1.15 | 1.15 | 1.04 | 1.06 | 1.04 |
| PCB-54 | 1.073 | 6.41 % | 1.16 | 1.13 | 1.11 | 1.01 | 1.03 | 1.00 |
| PCB-50 | 0.873 | 6.47 % | 0.91 | 0.92 | 0.91 | 0.83 | 0.89 | 0.78 |
| PCB-53 | 1.010 | 9.26 % | 1.07 | 1.11 | 1.09 | 0.90 | 0.97 | 0.92 |
| PCB-51 | 1.100 | 10.14 % | 1.23 | 1.19 | 1.16 | 0.96 | 1.04 | 1.00 |
| PCB-45 | 0.872 | 8.59 % | 0.94 | 0.94 | 0.93 | 0.79 | 0.83 | 0.80 |
| PCB-46 | 0.837 | 7.72 % | 0.91 | 0.90 | 0.87 | 0.77 | 0.79 | 0.78 |
| PCB-52/69 | 1.212 | 3.11 % | 1.24 | 1.24 | 1.25 | 1.15 | 1.19 | 1.20 |
| PCB-73 | 1.453 | 12.06 % | 1.69 | 1.60 | 1.52 | 1.29 | 1.36 | 1.27 |
| PCB-43/49 | 1.011 | 6.23 % | 1.04 | 1.10 | 1.04 | 0.92 | 0.98 | 0.98 |
| PCB-47 | 0.906 | 10.99 % | 0.92 | 1.05 | 0.99 | 0.81 | 0.83 | 0.83 |

MS 2/22/18

DB 2/22/18

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PCB-48/75 | 1.134 | 5.87 % | 1.24 | 1.18 | 1.14 | 1.07 | 1.10 | 1.06 |
| PCB-65 | 1.271 | 7.64 % | 1.46 | 1.28 | 1.23 | 1.20 | 1.22 | 1.24 |
| PCB-62 | 1.096 | 7.98 % | 1.12 | 1.23 | 1.15 | 1.01 | 1.05 | 1.01 |
| PCB-44 | 0.855 | 5.88 % | 0.86 | 0.95 | 0.87 | 0.81 | 0.84 | 0.82 |
| PCB-42/59 | 1.021 | 6.01 % | 1.10 | 1.08 | 1.03 | 0.94 | 1.00 | 0.97 |
| PCB-41/64/71/72 | 1.166 | 4.31 % | 1.23 | 1.22 | 1.17 | 1.10 | 1.16 | 1.13 |
| PCB-68 | 1.278 | 8.40 % | 1.47 | 1.31 | 1.27 | 1.18 | 1.23 | 1.20 |
| PCB-40 | 0.624 | 4.82 % | 0.64 | 0.66 | 0.65 | 0.59 | 0.61 | 0.59 |
| PCB-57 | 1.129 | 9.12 % | 1.24 | 1.26 | 1.15 | 1.03 | 1.06 | 1.04 |
| PCB-67 | 1.103 | 8.98 % | 1.25 | 1.20 | 1.07 | 1.00 | 1.04 | 1.05 |
| PCB-58 | 1.123 | 7.27 % | 1.15 | 1.18 | 1.25 | 1.03 | 1.08 | 1.07 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PCB-63 | 1.001 | 7.38 % | 1.13 | 1.04 | 0.99 | 0.94 | 0.96 | 0.94 |
| PCB-74 | 1.184 | 6.77 % | 1.27 | 1.28 | 1.20 | 1.10 | 1.12 | 1.12 |
| PCB-61/70 | 1.028 | 8.08 % | 1.14 | 1.09 | 1.07 | 0.95 | 0.97 | 0.95 |
| PCB-76/66 | 1.134 | 6.53 % | 1.23 | 1.21 | 1.15 | 1.06 | 1.08 | 1.07 |
| PCB-80 | 1.193 | 7.80 % | 1.29 | 1.30 | 1.24 | 1.10 | 1.12 | 1.11 |
| PCB-55 | 1.159 | 5.51 % | 1.20 | 1.24 | 1.20 | 1.07 | 1.12 | 1.12 |
| PCB-56/60 | 1.043 | 6.71 % | 1.13 | 1.12 | 1.05 | 0.97 | 0.99 | 0.99 |
| PCB-79 | 1.169 | 7.70 % | 1.30 | 1.25 | 1.18 | 1.08 | 1.10 | 1.10 |
| PCB-78 | 1.105 | 7.95 % | 1.23 | 1.19 | 1.11 | 1.02 | 1.05 | 1.03 |
| PCB-81 | 0.969 | 6.28 % | 1.01 | 1.06 | 0.99 | 0.90 | 0.94 | 0.91 |
| PCB-77 | 1.082 | 8.00 % | 1.22 | 1.15 | 1.08 | 1.00 | 1.03 | 1.02 |
| | | | | | | | | |
| PCB-104 | 1.078 | 8.00 % | 1.17 | 1.18 | 1.10 | 0.99 | 1.02 | 1.00 |
| PCB-96 | 1.131 | 4.84 % | 1.14 | 1.22 | 1.14 | 1.06 | 1.13 | 1.10 |
| PCB-103 | 0.908 | 6.15 % | 0.96 | 0.98 | 0.87 | 0.84 | 0.90 | 0.88 |
| PCB-100 | 0.925 | 3.63 % | 0.94 | 0.98 | 0.93 | 0.88 | 0.93 | 0.90 |
| PCB-94 | 0.914 | 6.18 % | 0.97 | 0.96 | 0.96 | 0.84 | 0.89 | 0.87 |
| PCB-95/98/102 | 1.172 | 8.23 % | 1.32 | 1.23 | 1.18 | 1.08 | 1.15 | 1.07 |
| PCB-93 | 0.926 | 4.63 % | 0.97 | 0.98 | 0.94 | 0.89 | 0.87 | 0.91 |
| PCB-88/91 | 0.974 | 9.21 % | 1.06 | 1.07 | 1.04 | 0.87 | 0.92 | 0.89 |
| PCB-121 | 1.681 | 5.57 % | 1.83 | 1.73 | 1.57 | 1.63 | 1.72 | 1.61 |
| PCB-84/92 | 0.973 | 5.66 % | 1.01 | 1.04 | 1.02 | 0.90 | 0.95 | 0.92 |
| PCB-89 | 1.065 | 6.31 % | 1.14 | 1.12 | 1.12 | 0.99 | 1.04 | 0.99 |
| PCB-90/101 | 1.077 | 5.48 % | 1.14 | 1.13 | 1.10 | 1.01 | 1.06 | 1.01 |
| PCB-113 | 1.477 | 4.68 % | 1.52 | 1.57 | 1.51 | 1.43 | 1.38 | 1.46 |
| PCB-99 | 1.253 | 9.15 % | 1.43 | 1.30 | 1.23 | 1.14 | 1.31 | 1.12 |
| PCB-119 | 1.700 | 3.91 % | 1.66 | 1.81 | 1.76 | 1.63 | 1.67 | 1.68 |
| PCB-108/112 | 1.404 | 6.74 % | 1.50 | 1.53 | 1.43 | 1.32 | 1.31 | 1.34 |
| PCB-83 | 1.754 | 6.67 % | 1.89 | 1.89 | 1.78 | 1.61 | 1.71 | 1.65 |
| PCB-97 | 1.175 | 4.87 % | 1.24 | 1.24 | 1.19 | 1.12 | 1.13 | 1.12 |
| PCB-86 | 1.082 | 3.73 % | 1.04 | 1.11 | 1.15 | 1.06 | 1.07 | 1.06 |
| PCB-87/117/125 | 1.552 | 4.81 % | 1.62 | 1.64 | 1.59 | 1.46 | 1.49 | 1.50 |
| PCB-111/115 | 1.794 | 6.19 % | 1.90 | 1.96 | 1.78 | 1.67 | 1.74 | 1.72 |
| PCB-85/116 | 1.291 | 3.58 % | 1.27 | 1.34 | 1.36 | 1.25 | 1.26 | 1.26 |
| PCB-120 | 1.983 | 6.99 % | 2.18 | 2.14 | 1.93 | 1.85 | 1.91 | 1.90 |
| PCB-110 | 1.685 | 5.66 % | 1.74 | 1.69 | 1.85 | 1.60 | 1.63 | 1.61 |
| PCB-82 | 0.807 | 7.47 % | 0.86 | 0.86 | 0.86 | 0.73 | 0.76 | 0.77 |
| PCB-124 | 1.296 | 4.96 % | 1.24 | 1.34 | 1.36 | 1.29 | 1.20 | 1.33 |
| PCB-107/109 | 1.314 | 9.40 % | 1.50 | 1.39 | 1.34 | 1.17 | 1.28 | 1.19 |
| PCB-123 | 1.119 | 6.63 % | 1.25 | 1.16 | 1.12 | 1.05 | 1.06 | 1.07 |
| PCB-106/118 | 1.179 | 5.88 % | 1.21 | 1.27 | 1.23 | 1.10 | 1.16 | 1.10 |
| PCB-114 | 1.112 | 5.81 % | 1.16 | 1.18 | 1.17 | 1.04 | 1.08 | 1.04 |
| PCB-122 | 1.028 | 6.25 % | 1.14 | 1.06 | 1.02 | 0.98 | 0.99 | 0.97 |
| PCB-105 | 1.123 | 5.02 % | 1.15 | 1.21 | 1.15 | 1.06 | 1.09 | 1.08 |
| PCB-127 | 1.118 | 6.67 % | 1.21 | 1.19 | 1.15 | 1.03 | 1.08 | 1.05 |
| PCB-126 | 1.200 | 4.09 % | 1.24 | 1.24 | 1.25 | 1.13 | 1.18 | 1.16 |
| | | | | | | | | |
| PCB-155 | 0.987 | 6.92 % | 1.06 | 1.07 | 1.01 | 0.91 | 0.95 | 0.93 |
| PCB-150 | 1.025 | 4.44 % | 1.07 | 1.07 | 1.05 | 0.97 | 1.01 | 0.98 |
| PCB-152 | 1.157 | 4.55 % | 1.24 | 1.19 | 1.17 | 1.09 | 1.14 | 1.11 |
| PCB-145 | 1.129 | 4.88 % | 1.18 | 1.20 | 1.14 | 1.06 | 1.11 | 1.08 |
| PCB-136 | 1.023 | 7.49 % | 1.11 | 1.08 | 1.08 | 0.92 | 0.98 | 0.97 |

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|---|---|---|---|---|---|---|---|---|
| PCB-148 | 0.773 | 3.42 % | 0.80 | 0.79 | 0.73 | 0.76 | 0.79 | 0.77 |
| PCB-154 | 0.876 | 5.39 % | 0.97 | 0.87 | 0.86 | 0.83 | 0.87 | 0.85 |
| PCB-151 | 0.752 | 2.07 % | 0.74 | 0.76 | 0.77 | 0.73 | 0.76 | 0.74 |
| PCB-135 | 0.860 | 5.19 % | 0.86 | 0.94 | 0.81 | 0.82 | 0.87 | 0.85 |
| PCB-144 | 0.766 | 5.72 % | 0.79 | 0.78 | 0.83 | 0.73 | 0.75 | 0.72 |
| PCB-147 | 0.805 | 4.47 % | 0.87 | 0.81 | 0.80 | 0.78 | 0.81 | 0.76 |
| PCB-139/149 | 0.880 | 3.35 % | 0.90 | 0.92 | 0.88 | 0.84 | 0.89 | 0.85 |
| PCB-140 | 0.769 | 4.96 % | 0.80 | 0.81 | 0.78 | 0.73 | 0.76 | 0.72 |
| PCB-134/143 | 0.762 | 5.66 % | 0.80 | 0.81 | 0.79 | 0.71 | 0.75 | 0.72 |
| PCB-131/133 | 0.817 | 4.62 % | 0.85 | 0.86 | 0.83 | 0.76 | 0.80 | 0.80 |
| PCB-142 | 0.732 | 6.54 % | 0.81 | 0.73 | 0.77 | 0.68 | 0.71 | 0.70 |

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|---|---|---|---|---|---|---|---|---|
| PCB-146/165 | 1.020 | 5.25 % | 1.08 | 1.07 | 1.04 | 0.94 | 0.99 | 0.99 |
| PCB-132/161 | 1.004 | 4.87 % | 1.04 | 1.07 | 1.02 | 0.93 | 0.98 | 0.98 |
| PCB-153 | 1.077 | 6.13 % | 1.16 | 1 16 | 1.07 | 1.01 | 1.04 | 1.02 |
| PCB-168 | 1.117 | 11.99 % | 1.37 | 1.14 | 1.11 | 1.00 | 1.05 | 1.04 |
| PCB-141 | 1.018 | 6.34 % | 1.06 | 1.10 | 1.06 | 0.94 | 0.98 | 0.97 |
| PCB-137 | 1.103 | 7.02 % | 1.21 | 1.19 | 1.05 | 1.04 | 1.06 | 1.07 |
| PCB-130 | 0.806 | 5.09 % | 0.84 | 0.78 | 0.87 | 0.77 | 0.80 | 0.77 |
| PCB-138/163/164 | 1.235 | 6.33 % | 1.33 | 1.32 | 1.25 | 1.13 | 1.20 | 1.18 |
| PCB-158/160 | 1.182 | 6.67 % | 1.27 | 1.28 | 1.16 | 1.09 | 1.15 | 1.12 |
| PCB-129 | 0.782 | 8.19 % | 0.89 | 0.82 | 0.78 | 0.72 | 0.75 | 0.73 |
| PCB-166 | 1.127 | 7.00 % | 1.20 | 1.24 | 1.13 | 1.04 | 1.09 | 1.06 |
| PCB-159 | 1.158 | 3.96 % | 1.15 | 1.23 | 1.18 | 1.10 | 1.16 | 1.13 |
| PCB-128/162 | 0.892 | 5.71 % | 0.89 | 0.96 | 0.94 | 0.84 | 0.87 | 0.85 |
| PCB-167 | 1.020 | 5.21 % | 1.03 | 1.09 | 1.07 | 0.95 | 1.00 | 0.97 |
| PCB-156 | 1.064 | 8.36 % | 1.18 | 1.13 | 1.11 | 0.97 | 1.00 | 0.99 |
| PCB-157 | 1.025 | 6.13 % | 1.10 | 1.09 | 1.05 | 0.96 | 0.98 | 0.97 |
| PCB-169 | 1.130 | 4.80 % | 1.15 | 1.22 | 1.15 | 1.06 | 1.10 | 1.10 |
| | | | | | | | | |
| PCB-188 | 1.373 | 8.18 % | 1.53 | 1.46 | 1.40 | 1.24 | 1.31 | 1.30 |
| PCB-184 | 1.319 | 5.43 % | 1.40 | 1.41 | 1.33 | 1.23 | 1.28 | 1.27 |
| PCB-179 | 1.385 | 5.63 % | 1.50 | 1.44 | 1.41 | 1.29 | 1.33 | 1.33 |
| PCB-176 | 1.309 | 7.50 % | 1.48 | 1.36 | 1.29 | 1.23 | 1.25 | 1.25 |
| PCB-186 | 1.421 | 7.44 % | 1.54 | 1.57 | 1.34 | 1.31 | 1.37 | 1.39 |
| PCB-178 | 0.970 | 4.41 % | 0.99 | 1.05 | 0.96 | 0.93 | 0.94 | 0.96 |
| PCB-175 | 0.998 | 2.87 % | 0.99 | 1.04 | 1.01 | 0.96 | 0.99 | 1.01 |
| PCB-182/187 | 1.142 | 6.04 % | 1.25 | 1.20 | 1.09 | 1.07 | 1.11 | 1.13 |
| PCB-183 | 1.128 | 6.01 % | 1.24 | 1.18 | 1.12 | 1.06 | 1.07 | 1.10 |
| PCB-185 | 1.355 | 6.16 % | 1.31 | 1.50 | 1.39 | 1.28 | 1.34 | 1.30 |
| PCB-174 | 1.415 | 7.45 % | 1.49 | 1.46 | 1.55 | 1.27 | 1.36 | 1.35 |
| PCB-181 | 1.475 | 3.67 % | 1.52 | 1.55 | 1.41 | 1.44 | 1.49 | 1.43 |
| PCB-177 | 1.327 | 4.38 % | 1.41 | 1.38 | 1.31 | 1.27 | 1.31 | 1.28 |
| PCB-171 | 1.370 | 5.85 % | 1.46 | 1.43 | 1.43 | 1.26 | 1.34 | 1.31 |
| PCB-173 | 1.268 | 7.66 % | 1.43 | 1.31 | 1.29 | 1.16 | 1.23 | 1.19 |
| PCB-172 | 1.386 | 4.08 % | 1.38 | 1.46 | 1.43 | 1.30 | 1.39 | 1.36 |
| PCB-192 | 1.804 | 3.70 % | 1.81 | 1.88 | 1.85 | 1.69 | 1.82 | 1.77 |
| PCB-180 | 1.516 | 5.07 % | 1.61 | 1.56 | 1.57 | 1.41 | 1.49 | 1.46 |
| PCB-193 | 1.712 | 9.38 % | 1.96 | 1.86 | 1.66 | 1.55 | 1.64 | 1.60 |
| PCB-191 | 1.739 | 4.26 % | 1.76 | 1.81 | 1.83 | 1.63 | 1.71 | 1.69 |
| PCB-170 | 1.436 | 6.83 % | 1.39 | 1.63 | 1.43 | 1.35 | 1.42 | 1.40 |
| PCB-190 | 1.953 | 6.00 % | 2.01 | 2.15 | 1.93 | 1.80 | 1.94 | 1.89 |
| PCB-189 | 1.457 | 7.03 % | 1.59 | 1.56 | 1.49 | 1.35 | 1.38 | 1.38 |
| | | | | | | | | |
| PCB-202 | 1.060 | 3.15 % | 1.09 | 1.08 | 1.09 | 1.01 | 1.05 | 1.04 |
| PCB-201 | 0.977 | 3.37 % | 0.99 | 1.02 | 1.01 | 0.94 | 0.95 | 0.95 |
| PCB-204 | 1.070 | 6.47 % | 1.07 | 1.19 | 1.08 | 0.99 | 1.06 | 1.04 |
| PCB-197 | 1.098 | 9.42 % | 1.20 | 1.24 | 1.12 | 0.98 | 1.03 | 1.03 |
| PCB-200 | 1.041 | 7.42 % | 1.08 | 1.15 | 1.08 | 0.94 | 0.99 | 1.00 |
| PCB-198 | 0.839 | 8.60 % | 0.87 | 0.95 | 0.88 | 0.77 | 0.77 | 0.80 |
| PCB-199 | 0.799 | 9.16 % | 0.87 | 0.90 | 0.77 | 0.71 | 0.78 | 0.77 |
| PCB-196/203 | 0.841 | 8.91 % | 0.81 | 0.98 | 0.87 | 0.76 | 0.81 | 0.82 |
| PCB-195 | 1.036 | 6.19 % | 1.11 | 1.11 | 1.04 | 0.98 | 1.01 | 0.97 |
| PCB-194 | 1.157 | 8.11 % | 1.32 | 1.21 | 1.16 | 1.07 | 1.11 | 1.07 |

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|---|---|---|---|---|---|---|---|---|
| PCB-205 | 1.330 | 5.04 % | 1.40 | 1.41 | 1.35 | 1.26 | 1.30 | 1.26 |
| PCB-208 | 0.896 | 4.81 % | 0.92 | 0.92 | 0.96 | 0.84 | 0.88 | 0.86 |
| PCB-207 | 0.888 | 5.44 % | 0.89 | 0.97 | 0.90 | 0.83 | 0.88 | 0.87 |
| PCB-206 | 0.881 | 4.46 % | 0.93 | 0.92 | 0.91 | 0.84 | 0.86 | 0.84 |
| PCB-209 | 1.042 | 5.70 % | 1.12 | 1.09 | 1.05 | 0.96 | 1.02 | 1.00 |
| Total Mono-PCB | 1.064 | 6.89 % | 1.16 | 1.13 | 1.08 | 0.98 | 1.03 | 1.00 |
| Total Di-PCB | 1.038 | 5.93 % | 1.09 | 1.12 | 1.06 | 0.98 | 1.00 | 0.98 |
| Total Tri-PCB | 1.150 | 5.95 % | 1.21 | 1.24 | 1.19 | 1.08 | 1.10 | 1.09 |

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|---|---|---|---|---|---|---|---|---|
| Total Tri-PCB | 1.051 | 4.10 % | 1.10 | 1.09 | 1.06 | 1.00 | 1.01 | 1.04 |
| Total Tetra-PCB | 1.063 | 6.28 % | 1.14 | 1.13 | 1.09 | 0.98 | 1.03 | 1.00 |
| Total Penta-PCB | 1.180 | 5.40 % | 1.25 | 1.25 | 1.19 | 1.10 | 1.15 | 1.12 |
| Total Penta-PCB | 1.116 | 5.24 % | 1.18 | 1.17 | 1.14 | 1.05 | 1.09 | 1.06 |
| Total Hexa-PCB | 0.906 | 4.09 % | 0.95 | 0.94 | 0.91 | 0.86 | 0.90 | 0.87 |
| Total Hexa-PCB | 1.002 | 5.66 % | 1.07 | 1.07 | 1.02 | 0.93 | 0.97 | 0.96 |
| Total Hepta-PCB | 1.348 | 5.12 % | 1.44 | 1.42 | 1.35 | 1.26 | 1.31 | 1.31 |
| Total Octa-PCB | 0.952 | 6.67 % | 0.98 | 1.05 | 0.97 | 0.87 | 0.92 | 0.92 |
| Total Octa-PCB | 1.174 | 6.25 % | 1.28 | 1.24 | 1.18 | 1.10 | 1.14 | 1.10 |
| Total Nona-PCB | 0.889 | 4.53 % | 0.91 | 0.94 | 0.92 | 0.83 | 0.87 | 0.86 |
| Total Deca-PCB | 1.042 | 5.70 % | 1.12 | 1.09 | 1.05 | 0.96 | 1.02 | 1.00 |
| | | | | | | | | |
| 13C-PCB-1 | 1.132 | 5.38 % | 1.07 | 1.10 | 1.16 | 1.17 | 1.07 | 1.22 |
| 13C-PCB-3 | 1.212 | 4.20 % | 1.16 | 1.18 | 1.24 | 1.25 | 1.17 | 1.28 |
| 13C-PCB-4 | 0.595 | 4.03 % | 0.57 | 0.58 | 0.60 | 0.62 | 0.57 | 0.62 |
| 13C-PCB-9 | 0.942 | 2.13 % | 0.93 | 0.94 | 0.95 | 0.96 | 0.91 | 0.96 |
| 13C-PCB-11 | 0.949 | 0.68 % | 0.96 | 0.94 | 0.95 | 0.95 | 0.94 | 0.95 |
| 13C-PCB-19 | 0.624 | 2.08 % | 0.61 | 0.61 | 0.63 | 0.63 | 0.64 | 0.63 |
| 13C-PCB-32 | 0.911 | 2.87 % | 0.91 | 0.90 | 0.90 | 0.89 | 0.96 | 0.91 |
| 13C-PCB-28 | 1.049 | 7.16 % | 1.14 | 1.10 | 1.08 | 1.01 | 1.03 | 0.93 |
| 13C-PCB-37 | 1.019 | 2.48 % | 1.04 | 0.99 | 1.00 | 1.01 | 1.04 | 1.05 |
| 13C-PCB-54 | 0.930 | 6.17 % | 0.91 | 1.01 | 0.99 | 0.91 | 0.86 | 0.90 |
| 13C-PCB-52 | 0.765 | 3.00 % | 0.75 | 0.79 | 0.79 | 0.77 | 0.74 | 0.75 |
| 13C-PCB-47 | 0.835 | 2.53 % | 0.82 | 0.85 | 0.87 | 0.83 | 0.82 | 0.83 |
| 13C-PCB-70 | 0.999 | 0.90 % | 0.98 | 1.00 | 1.01 | 1.00 | 1.01 | 1.00 |
| 13C-PCB-80 | 0.997 | 0.93 % | 0.99 | 0.98 | 1.00 | 1.01 | 1.01 | 0.99 |
| 13C-PCB-81 | 1.008 | 1.10 % | 1.01 | 1.00 | 0.99 | 1.01 | 1.02 | 1.01 |
| 13C-PCB-77 | 0.961 | 2.04 % | 0.95 | 0.94 | 0.94 | 0.98 | 0.99 | 0.97 |
| 13C-PCB-104 | 1.008 | 3.81 % | 0.99 | 1.02 | 1.08 | 1.01 | 0.97 | 0.99 |
| 13C-PCB-95 | 0.803 | 2.13 % | 0.78 | 0.80 | 0.83 | 0.80 | 0.79 | 0.81 |
| 13C-PCB-101 | 0.803 | 1.33 % | 0.80 | 0.80 | 0.82 | 0.80 | 0.79 | 0.81 |
| 13C-PCB-97 | 0.702 | 0.74 % | 0.70 | 0.70 | 0.71 | 0.70 | 0.70 | 0.70 |
| 13C-PCB-123 | 0.946 | 1.26 % | 0.95 | 0.93 | 0.95 | 0.96 | 0.95 | 0.93 |
| 13C-PCB-118 | 0.997 | 1.85 % | 0.99 | 0.97 | 0.98 | 1.02 | 1.01 | 1.01 |
| 13C-PCB-114 | 1.183 | 2.55 % | 1.18 | 1.20 | 1.23 | 1.18 | 1.14 | 1.17 |
| 13C-PCB-105 | 1.142 | 2.43 % | 1.11 | 1.16 | 1.18 | 1.16 | 1.11 | 1.13 |
| 13C-PCB-127 | 1.243 | 2.02 % | 1.25 | 1.24 | 1.26 | 1.26 | 1.20 | 1.24 |
| 13C-PCB-126 | 1.137 | 1.36 % | 1.14 | 1.13 | 1.14 | 1.16 | 1.11 | 1.14 |
| 13C-PCB-155 | 0.826 | 2.54 % | 0.84 | 0.84 | 0.85 | 0.81 | 0.82 | 0.80 |
| 13C-PCB-153 | 1.336 | 2.63 % | 1.33 | 1.36 | 1.39 | 1.33 | 1.32 | 1.28 |
| 13C-PCB-141 | 1.107 | 2.34 % | 1.10 | 1.13 | 1.15 | 1.10 | 1.10 | 1.08 |
| 13C-PCB-138 | 1.173 | 0.83 % | 1.16 | 1.17 | 1.19 | 1.18 | 1.18 | 1.16 |
| 13C-PCB-159 | 1.388 | 1.05 % | 1.38 | 1.39 | 1.36 | 1.40 | 1.40 | 1.40 |
| 13C-PCB-167 | 1.400 | 1.06 % | 1.40 | 1.38 | 1.42 | 1.41 | 1.40 | 1.39 |
| 13C-PCB-156 | 1.383 | 2.80 % | 1.37 | 1.32 | 1.44 | 1.38 | 1.40 | 1.39 |
| 13C-PCB-157 | 1.372 | 3.13 % | 1.36 | 1.30 | 1.44 | 1.37 | 1.37 | 1.39 |
| 13C-PCB-169 | 1.391 | 2.57 % | 1.35 | 1.39 | 1.45 | 1.39 | 1.37 | 1.40 |
| 13C-PCB-188 | 1.398 | 3.12 % | 1.37 | 1.40 | 1.47 | 1.38 | 1.41 | 1.35 |
| 13C-PCB-180 | 0.977 | 3.62 % | 0.97 | 0.93 | 1.04 | 0.97 | 0.97 | 0.98 |
| 13C-PCB-170 | 0.858 | 3.97 % | 0.83 | 0.84 | 0.92 | 0.86 | 0.83 | 0.87 |
| 13C-PCB-189 | 1.149 | 2.75 % | 1.13 | 1.12 | 1.20 | 1.13 | 1.15 | 1.17 |
| 13C-PCB-202 | 1.281 | 4.41 % | 1.28 | 1.19 | 1.36 | 1.28 | 1.30 | 1.28 |

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|---|---|---|---|---|---|---|---|---|
| 13C-PCB-194 | 0.770 | 1.20 % | 0.76 | 0.76 | 0.77 | 0.76 | 0.77 | 0.79 |
| 13C-PCB-208 | 1.093 | 1.71 % | 1.11 | 1.08 | 1.07 | 1.07 | 1.11 | 1.11 |
| 13C-PCB-206 | 0.808 | 1.98 % | 0.80 | 0.80 | 0.80 | 0.80 | 0.82 | 0.83 |
| 13C-PCB-209 | 0.736 | 3.69 % | 0.69 | 0.74 | 0.74 | 0.74 | 0.76 | 0.76 |
| | | | | | | | | |
| 13C-PCB-15 | 1.000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 13C-PCB-31 | 1.000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 13C-PCB-60 | 1.000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 13C-PCB-111 | 1.000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 13C-PCB-128 | 1.000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 13C-PCB-182 | 1.000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

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|---|---|---|---|---|---|---|---|---|
| 13C-PCB-205 | 1.000 | 0.00 % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | | | | | | | | |
| 13C-PCB-79 | 1.034 | 0.79 % | 1.02 | 1.05 | 1.03 | 1.03 | 1.04 | 1.04 |
| 13C-PCB-178 | 0.927 | 1.97 % | 0.92 | 0.95 | 0.93 | 0.91 | 0.94 | 0.90 |
| | | | | | | | | |
| 13C-PCB-79 | 1.026 | 1.27 % | 1.02 | 1.05 | 1.04 | 1.02 | 1.01 | 1.02 |
| 13C-PCB-178 | 0.950 | 4.64 % | 0.95 | 1.02 | 0.89 | 0.94 | 0.98 | 0.92 |

Filename: 180208E1 S: 1 Acquired: 8-FEB-18 08:34:42
Run: 180208E1 Analyte: PCBNEW ICal: PCBVG8-2-8-18 Results:
Sample text: ST180208E1-1 PCB CS0 17L3003

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|---|---|---|---|---|---|---|---|---|
| 1 | Mono | PCB-1 | 0.25 | 8.77e+05 | 2.96 y | 16:01 | - | 1.14 |
| 2 | Mono | PCB-2 | 0.25 | 9.76e+05 | 2.96 y | 18:24 | - | 1.17 |
| 3 | Mono | PCB-3 | 0.25 | 9.95e+05 | 3.27 y | 18:38 | - | 1.19 |
| 4 | Di | PCB-4/10 | 0.50 | 1.06e+06 | 1.63 y | 20:01 | - | 1.29 |
| 5 | Di | PCB-7/9 | 0.50 | 1.47e+06 | 1.53 y | 21:48 | - | 1.10 |
| 6 | Di | PCB-6 | 0.25 | 7.75e+05 | 1.39 y | 22:28 | - | 1.16 |
| 7 | Di | PCB-5/8 | 0.50 | 1.48e+06 | 1.51 y | 22:52 | - | 1.10 |
| 8 | Di | PCB-14 | 0.25 | 6.97e+05 | 1.76 y | 23:59 | - | 1.01 |
| 9 | Di | PCB-11 | 0.25 | 8.16e+05 | 1.52 y | 25:10 | - | 1.18 |
| 10 | Di | PCB-12/13 | 0.50 | 1.46e+06 | 1.69 y | 25:34 | - | 1.06 |
| 11 | Di | PCB-15 | 0.25 | 7.19e+05 | 1.79 y | 25:53 | - | 1.04 |
| 12 | Tri | PCB-19 | 0.25 | 5.56e+05 | 1.09 y | 24:09 | - | 1.26 |
| 13 | Tri | PCB-30 | 0.25 | 8.92e+05 | 1.10 y | 25:03 | - | 2.02 |
| 14 | Tri | PCB-18 | 0.25 | 6.23e+05 | 0.99 y | 25:48 | - | 0.95 |
| 15 | Tri | PCB-17 | 0.25 | 5.74e+05 | 1.06 y | 25:59 | - | 0.88 |
| 16 | Tri | PCB-24/27 | 0.50 | 1.51e+06 | 1.04 y | 26:33 | - | 1.15 |
| 17 | Tri | PCB-16/32 | 0.50 | 1.48e+06 | 1.03 y | 27:04 | - | 1.13 |
| 18 | Tri | PCB-34 | 0.25 | 6.78e+05 | 1.06 y | 27:52 | - | 0.99 |
| 19 | Tri | PCB-23 | 0.25 | 6.56e+05 | 1.13 y | 27:58 | - | 0.96 |
| 20 | Tri | PCB-29 | 0.25 | 6.87e+05 | 1.12 y | 28:13 | - | 1.00 |
| 21 | Tri | PCB-26 | 0.25 | 7.03e+05 | 1.07 y | 28:25 | - | 1.03 |
| 22 | Tri | PCB-25 | 0.25 | 7.62e+05 | 1.08 y | 28:35 | - | 1.11 |
| 23 | Tri | PCB-31 | 0.25 | 7.61e+05 | 1.14 y | 28:56 | - | 1.11 |
| 24 | Tri | PCB-28 | 0.25 | 8.00e+05 | 0.93 y | 29:03 | - | 1.17 |
| 25 | Tri | PCB-20/21/33 | 0.75 | 2.11e+06 | 1.07 y | 29:39 | - | 1.03 |
| 26 | Tri | PCB-22 | 0.25 | 7.68e+05 | 1.02 y | 30:06 | - | 1.12 |
| 27 | Tri | PCB-36 | 0.25 | 7.87e+05 | 1.02 y | 30:43 | - | 1.26 |
| 28 | Tri | PCB-39 | 0.25 | 7.33e+05 | 1.10 y | 31:11 | - | 1.18 |
| 29 | Tri | PCB-38 | 0.25 | 7.47e+05 | 1.17 y | 31:58 | - | 1.20 |
| 30 | Tri | PCB-35 | 0.25 | 7.25e+05 | 1.07 y | 32:28 | - | 1.16 |
| 31 | Tri | PCB-37 | 0.25 | 7.66e+05 | 0.99 y | 32:55 | - | 1.23 |
| 32 | Tetra | PCB-54 | 0.25 | 7.13e+05 | 0.74 y | 27:54 | - | 1.16 |
| 33 | Tetra | PCB-50 | 0.25 | 5.59e+05 | 0.76 y | 29:05 | - | 0.91 |
| 34 | Tetra | PCB-53 | 0.25 | 5.42e+05 | 0.81 y | 29:43 | - | 1.07 |
| 35 | Tetra | PCB-51 | 0.25 | 6.22e+05 | 0.77 y | 30:04 | - | 1.23 |
| 36 | Tetra | PCB-45 | 0.25 | 4.75e+05 | 0.72 y | 30:30 | - | 0.94 |
| 37 | Tetra | PCB-46 | 0.25 | 4.59e+05 | 0.66 y | 31:00 | - | 0.91 |
| 38 | Tetra | PCB-52/69 | 0.50 | 1.25e+06 | 0.78 y | 31:28 | - | 1.24 |
| 39 | Tetra | PCB-73 | 0.25 | 8.54e+05 | 0.77 y | 31:36 | - | 1.69 |
| 40 | Tetra | PCB-43/49 | 0.50 | 1.05e+06 | 0.69 y | 31:45 | - | 1.04 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 41 | Tetra | PCB-47 | 0.25 | 5.03e+05 | 0.80 y | 31:58 | - | 0.92 |
| 42 | Tetra | PCB-48/75 | 0.50 | 1.35e+06 | 0.82 y | 32:04 | - | 1.24 |
| 43 | Tetra | PCB-65 | 0.25 | 8.01e+05 | 0.66 y | 32:20 | - | 1.46 |
| 44 | Tetra | PCB-62 | 0.25 | 6.16e+05 | 0.66 y | 32:27 | - | 1.12 |
| 45 | Tetra | PCB-44 | 0.25 | 4.69e+05 | 0.78 y | 32:45 | - | 0.86 |
| 46 | Tetra | PCB-42/59 | 0.50 | 1.20e+06 | 0.77 y | 32:59 | - | 1.10 |
| 47 | Tetra | PCB-41/64/71/72 | 1.00 | 2.68e+06 | 0.80 y | 33:34 | - | 1.23 |
| 48 | Tetra | PCB-68 | 0.25 | 8.07e+05 | 0.73 y | 33:50 | - | 1.47 |
| 49 | Tetra | PCB-40 | 0.25 | 3.48e+05 | 0.87 y | 34:03 | - | 0.64 |
| 50 | Tetra | PCB-57 | 0.25 | 8.14e+05 | 0.69 y | 34:24 | - | 1.24 |
| 51 | Tetra | PCB-67 | 0.25 | 8.23e+05 | 0.74 y | 34:42 | - | 1.25 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 52 | Tetra | PCB-58 | 0.25 | 7.55e+05 | 0.73 y | 34:50 | - | 1.15 |
| 53 | Tetra | PCB-63 | 0.25 | 7.44e+05 | 0.73 y | 34:58 | - | 1.13 |
| 54 | Tetra | PCB-74 | 0.25 | 8.39e+05 | 0.72 y | 35:15 | - | 1.27 |
| 55 | Tetra | PCB-61/70 | 0.50 | 1.51e+06 | 0.73 y | 35:27 | - | 1.14 |
| 56 | Tetra | PCB-76/66 | 0.50 | 1.62e+06 | 0.74 y | 35:39 | - | 1.23 |
| 57 | Tetra | PCB-80 | 0.25 | 8.58e+05 | 0.89 y | 35:54 | - | 1.29 |
| 58 | Tetra | PCB-55 | 0.25 | 8.01e+05 | 0.85 y | 36:13 | - | 1.20 |
| 59 | Tetra | PCB-56/60 | 0.50 | 1.51e+06 | 0.81 y | 36:43 | - | 1.13 |
| 60 | Tetra | PCB-79 | 0.25 | 8.66e+05 | 0.75 y | 37:46 | - | 1.30 |
| 61 | Tetra | PCB-78 | 0.25 | 8.28e+05 | 0.67 y | 38:28 | - | 1.23 |
| 62 | Tetra | PCB-81 | 0.25 | 6.84e+05 | 0.82 y | 38:59 | - | 1.01 |
| 63 | Tetra | PCB-77 | 0.25 | 7.80e+05 | 0.72 y | 39:36 | - | 1.22 |
| 64 | Penta | PCB-104 | 0.25 | 4.95e+05 | 1.76 y | 32:37 | - | 1.17 |
| 65 | Penta | PCB-96 | 0.25 | 4.80e+05 | 1.43 y | 33:52 | - | 1.14 |
| 66 | Penta | PCB-103 | 0.25 | 4.06e+05 | 1.32 y | 34:25 | - | 0.96 |
| 67 | Penta | PCB-100 | 0.25 | 3.95e+05 | 1.62 y | 34:46 | - | 0.94 |
| 68 | Penta | PCB-94 | 0.25 | 3.25e+05 | 1.61 y | 35:14 | - | 0.97 |
| 69 | Penta | PCB-95/98/102 | 0.75 | 1.33e+06 | 1.57 y | 35:44 | - | 1.32 |
| 70 | Penta | PCB-93 | 0.25 | 3.23e+05 | 1.47 y | 35:52 | - | 0.97 |
| 71 | Penta | PCB-88/91 | 0.50 | 7.08e+05 | 1.63 y | 36:09 | - | 1.06 |
| 72 | Penta | PCB-121 | 0.25 | 6.11e+05 | 1.49 y | 36:16 | - | 1.83 |
| 73 | Penta | PCB-84/92 | 0.50 | 6.83e+05 | 1.78 y | 37:06 | - | 1.01 |
| 74 | Penta | PCB-89 | 0.25 | 3.86e+05 | 1.67 y | 37:16 | - | 1.14 |
| 75 | Penta | PCB-90/101 | 0.50 | 7.76e+05 | 1.43 y | 37:27 | - | 1.14 |
| 76 | Penta | PCB-113 | 0.25 | 5.17e+05 | 1.70 y | 37:42 | - | 1.52 |
| 77 | Penta | PCB-99 | 0.25 | 4.85e+05 | 1.73 y | 37:48 | - | 1.43 |
| 78 | Penta | PCB-119 | 0.25 | 4.95e+05 | 1.78 y | 38:15 | - | 1.66 |
| 79 | Penta | PCB-108/112 | 0.50 | 8.95e+05 | 1.78 y | 38:24 | - | 1.50 |
| 80 | Penta | PCB-83 | 0.25 | 5.64e+05 | 1.46 y | 38:34 | - | 1.89 |
| 81 | Penta | PCB-97 | 0.25 | 3.71e+05 | 1.40 y | 38:46 | - | 1.24 |
| 82 | Penta | PCB-86 | 0.25 | 3.11e+05 | 1.75 y | 38:53 | - | 1.04 |
| 83 | Penta | PCB-87/117/125 | 0.75 | 1.46e+06 | 1.72 y | 39:01 | - | 1.62 |
| 84 | Penta | PCB-111/115 | 0.50 | 1.13e+06 | 1.48 y | 39:12 | - | 1.90 |
| 85 | Penta | PCB-85/116 | 0.50 | 7.61e+05 | 1.68 y | 39:18 | - | 1.27 |
| 86 | Penta | PCB-120 | 0.25 | 6.51e+05 | 1.49 y | 39:33 | - | 2.18 |
| 87 | Penta | PCB-110 | 0.25 | 5.20e+05 | 1.61 y | 39:42 | - | 1.74 |
| 88 | Penta | PCB-82 | 0.25 | 3.46e+05 | 1.48 y | 40:20 | - | 0.86 |
| 89 | Penta | PCB-124 | 0.25 | 5.00e+05 | 1.75 y | 41:01 | - | 1.24 |
| 90 | Penta | PCB-107/109 | 0.50 | 1.21e+06 | 1.61 y | 41:09 | - | 1.50 |
| 91 | Penta | PCB-123 | 0.25 | 5.02e+05 | 1.60 y | 41:19 | - | 1.25 |
| 92 | Penta | PCB-106/118 | 0.50 | 1.03e+06 | 1.51 y | 41:31 | - | 1.21 |
| 93 | Penta | PCB-114 | 0.25 | 4.85e+05 | 1.44 y | 42:09 | - | 1.16 |
| 94 | Penta | PCB-122 | 0.25 | 4.79e+05 | 1.34 y | 42:17 | - | 1.14 |
| 95 | Penta | PCB-105 | 0.25 | 4.57e+05 | 1.49 y | 43:01 | - | 1.15 |
| 96 | Penta | PCB-127 | 0.25 | 5.36e+05 | 1.58 y | 43:21 | - | 1.21 |
| 97 | Penta | PCB-126 | 0.25 | 5.04e+05 | 1.50 y | 45:14 | - | 1.24 |
| 98 | Hexa | PCB-155 | 0.25 | 3.78e+05 | 1.27 y | 37:00 | - | 1.06 |
| 99 | Hexa | PCB-150 | 0.25 | 3.83e+05 | 1.30 y | 38:16 | - | 1.07 |
| 100 | Hexa | PCB-152 | 0.25 | 4.41e+05 | 1.24 y | 38:44 | - | 1.24 |
| 101 | Hexa | PCB-145 | 0.25 | 4.22e+05 | 1.43 y | 39:11 | - | 1.18 |

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|---|---|---|---|---|---|---|---|---|
| 102 | Hexa | PCB-136 | 0.25 | 3.96e+05 | 1.24 y | 39:30 | - | 1.11 |
| 103 | Hexa | PCB-148 | 0.25 | 2.86e+05 | 1.27 y | 39:37 | - | 0.80 |
| 104 | Hexa | PCB-154 | 0.25 | 3.46e+05 | 1.26 y | 40:06 | - | 0.97 |
| 105 | Hexa | PCB-151 | 0.25 | 2.64e+05 | 1.07 y | 40:45 | - | 0.74 |
| 106 | Hexa | PCB-135 | 0.25 | 3.08e+05 | 1.37 y | 40:57 | - | 0.86 |
| 107 | Hexa | PCB-144 | 0.25 | 2.84e+05 | 1.19 y | 41:04 | - | 0.79 |
| 108 | Hexa | PCB-147 | 0.25 | 3.09e+05 | 1.38 y | 41:12 | - | 0.87 |
| 109 | Hexa | PCB-139/149 | 0.50 | 6.43e+05 | 1.25 y | 41:28 | - | 0.90 |
| 110 | Hexa | PCB-140 | 0.25 | 2.87e+05 | 1.27 y | 41:39 | - | 0.80 |
| 111 | Hexa | PCB-134/143 | 0.50 | 7.57e+05 | 1.15 y | 42:06 | - | 0.80 |
| 112 | Hexa | PCB-131/133 | 0.50 | 8.04e+05 | 1.20 y | 42:23 | - | 0.85 |

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|---|---|---|---|---|---|---|---|---|
| 113 | Hexa | PCB-142 | 0.25 | 3.80e+05 | 1.09 y | 42:32 | - | 0.81 |
| 114 | Hexa | PCB-146/165 | 0.50 | 1.02e+06 | 1.32 y | 42:46 | - | 1.08 |
| 115 | Hexa | PCB-132/161 | 0.50 | 9.81e+05 | 1.30 y | 43:00 | - | 1.04 |
| 116 | Hexa | PCB-153 | 0.25 | 5.47e+05 | 1.05 y | 43:10 | - | 1.16 |
| 117 | Hexa | PCB-168 | 0.25 | 6.46e+05 | 1.16 y | 43:23 | - | 1.37 |
| 118 | Hexa | PCB-141 | 0.25 | 4.15e+05 | 1.21 y | 43:54 | - | 1.06 |
| 119 | Hexa | PCB-137 | 0.25 | 4.73e+05 | 1.27 y | 44:17 | - | 1.21 |
| 120 | Hexa | PCB-130 | 0.25 | 3.26e+05 | 1.06 y | 44:24 | - | 0.84 |
| 121 | Hexa | PCB-138/163/164 | 0.75 | 1.65e+06 | 1.30 y | 44:46 | - | 1.33 |
| 122 | Hexa | PCB-158/160 | 0.50 | 1.05e+06 | 1.24 y | 45:01 | - | 1.27 |
| 123 | Hexa | PCB-129 | 0.25 | 3.67e+05 | 1.38 y | 45:15 | - | 0.89 |
| 124 | Hexa | PCB-166 | 0.25 | 5.88e+05 | 1.25 y | 45:42 | - | 1.20 |
| 125 | Hexa | PCB-159 | 0.25 | 5.64e+05 | 1.23 y | 46:03 | - | 1.15 |
| 126 | Hexa | PCB-128/162 | 0.50 | 8.72e+05 | 1.13 y | 46:19 | - | 0.89 |
| 127 | Hexa | PCB-167 | 0.25 | 5.12e+05 | 1.39 y | 46:43 | - | 1.03 |
| 128 | Hexa | PCB-156 | 0.25 | 5.77e+05 | 1.13 y | 48:01 | - | 1.18 |
| 129 | Hexa | PCB-157 | 0.25 | 5.31e+05 | 1.26 y | 48:16 | - | 1.10 |
| 130 | Hexa | PCB-169 | 0.25 | 5.52e+05 | 1.25 y | 50:29 | - | 1.15 |
| 131 | Hepta | PCB-188 | 0.25 | 5.23e+05 | 1.07 y | 42:48 | - | 1.53 |
| 132 | Hepta | PCB-184 | 0.25 | 4.77e+05 | 1.16 y | 43:15 | - | 1.40 |
| 133 | Hepta | PCB-179 | 0.25 | 5.11e+05 | 1.05 y | 44:01 | - | 1.50 |
| 134 | Hepta | PCB-176 | 0.25 | 5.06e+05 | 1.01 y | 44:29 | - | 1.48 |
| 135 | Hepta | PCB-186 | 0.25 | 5.24e+05 | 1.03 y | 45:06 | - | 1.54 |
| 136 | Hepta | PCB-178 | 0.25 | 3.37e+05 | 0.93 y | 45:36 | - | 0.99 |
| 137 | Hepta | PCB-175 | 0.25 | 3.37e+05 | 1.10 y | 45:57 | - | 0.99 |
| 138 | Hepta | PCB-182/187 | 0.50 | 8.54e+05 | 0.97 y | 46:07 | - | 1.25 |
| 139 | Hepta | PCB-183 | 0.25 | 4.23e+05 | 0.89 y | 46:26 | - | 1.24 |
| 140 | Hepta | PCB-185 | 0.25 | 3.13e+05 | 1.16 y | 47:05 | - | 1.31 |
| 141 | Hepta | PCB-174 | 0.25 | 3.58e+05 | 1.19 y | 47:27 | - | 1.49 |
| 142 | Hepta | PCB-181 | 0.25 | 3.64e+05 | 1.20 y | 47:33 | - | 1.52 |
| 143 | Hepta | PCB-177 | 0.25 | 3.38e+05 | 1.02 y | 47:43 | - | 1.41 |
| 144 | Hepta | PCB-171 | 0.25 | 3.50e+05 | 0.92 y | 48:01 | - | 1.46 |
| 145 | Hepta | PCB-173 | 0.25 | 3.43e+05 | 0.90 y | 48:26 | - | 1.43 |
| 146 | Hepta | PCB-172 | 0.25 | 3.31e+05 | 1.08 y | 48:54 | - | 1.38 |
| 147 | Hepta | PCB-192 | 0.25 | 4.34e+05 | 0.93 y | 49:05 | - | 1.81 |
| 148 | Hepta | PCB-180 | 0.25 | 3.86e+05 | 0.94 y | 49:17 | - | 1.61 |
| 149 | Hepta | PCB-193 | 0.25 | 4.69e+05 | 1.09 y | 49:30 | - | 1.96 |
| 150 | Hepta | PCB-191 | 0.25 | 4.23e+05 | 0.97 y | 49:45 | - | 1.76 |
| 151 | Hepta | PCB-170 | 0.25 | 2.87e+05 | 0.94 y | 50:53 | - | 1.39 |
| 152 | Hepta | PCB-190 | 0.25 | 4.16e+05 | 1.08 y | 51:05 | - | 2.01 |
| 153 | Hepta | PCB-189 | 0.25 | 4.46e+05 | 0.90 y | 52:30 | - | 1.59 |
| 154 | Octa | PCB-202 | 0.25 | 3.46e+05 | 0.91 y | 48:13 | - | 1.09 |
| 155 | Octa | PCB-201 | 0.25 | 3.16e+05 | 0.94 y | 48:42 | - | 0.99 |
| 156 | Octa | PCB-204 | 0.25 | 3.39e+05 | 0.83 y | 48:52 | - | 1.07 |
| 157 | Octa | PCB-197 | 0.25 | 3.82e+05 | 0.88 y | 49:09 | - | 1.20 |
| 158 | Octa | PCB-200 | 0.25 | 3.46e+05 | 0.84 y | 50:04 | - | 1.08 |
| 159 | Octa | PCB-198 | 0.25 | 2.77e+05 | 0.80 y | 51:31 | - | 0.87 |
| 160 | Octa | PCB-199 | 0.25 | 2.78e+05 | 0.99 y | 51:39 | - | 0.87 |
| 161 | Octa | PCB-196/203 | 0.50 | 5.16e+05 | 0.88 y | 51:57 | - | 0.81 |
| 162 | Octa | PCB-195 | 0.25 | 2.75e+05 | 0.86 y | 53:10 | - | 1.11 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 163 | Octa | PCB-194 | 0.25 | 3.27e+05 | 0.83 | y | 54:04 | - | 1.32 |
| 164 | Octa | PCB-205 | 0.25 | 3.48e+05 | 0.86 | y | 54:20 | - | 1.40 |
| 165 | Nona | PCB-208 | 0.25 | 3.31e+05 | 1.17 | y | 53:19 | - | 0.92 |
| 166 | Nona | PCB-207 | 0.25 | 3.21e+05 | 1.45 | y | 53:38 | - | 0.89 |
| 167 | Nona | PCB-206 | 0.25 | 2.41e+05 | 1.29 | y | 55:37 | - | 0.93 |
| 168 | Deca | PCB-209 | 0.25 | 2.50e+05 | 1.11 | y | 56:56 | - | 1.12 |
| 169 | Tot ╗ | Total Mono-PCB | 0.00 | - | - | n | - | - | 1.16 |
| 170 | Tot ╗ | Total Di-PCB | 0.00 | - | - | n | - | - | 1.09 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 171 | Tot ¶ | Total Tri-PCB | 0.00 | - | - n | - | - | 1.21 |
| 172 | Tot ¶ | Total Tri-PCB | 0.00 | - | - n | - | - | 1.10 |
| 173 | Tot ¶ | Total Tetra-PCB | 0.00 | - | - n | - | - | 1.14 |
| 174 | Tot ¶ | Total Penta-PCB | 0.00 | - | - n | - | - | 1.25 |
| 175 | Tot ¶ | Total Penta-PCB | 0.00 | - | - n | - | - | 1.18 |
| 176 | Tot ¶ | Total Hexa-PCB | 0.00 | - | - n | - | - | 0.95 |
| 177 | Tot ¶ | Total Hexa-PCB | 0.00 | - | - n | - | - | 1.07 |
| 178 | Tot ¶ | Total Hepta-PCB | 0.00 | - | - n | - | - | 1.44 |
| 179 | Tot ¶ | Total Octa-PCB | 0.00 | - | - n | - | - | 0.98 |
| 180 | Tot ¶ | Total Octa-PCB | 0.00 | - | - n | - | - | 1.28 |
| 181 | Tot ¶ | Total Nona-PCB | 0.00 | - | - n | - | - | 0.91 |
| 182 | Tot ¶ | Total Deca-PCB | 0.25 | 2.50e+05 | 1.11 y | 56:56 | - | 1.12 |
| 183 | Mono¶ | 13C-PCB-1 | 100.00 | 3.09e+08 | 3.17 y | 15:60 | - | 1.07 |
| 184 | Mono¶ | 13C-PCB-3 | 100.00 | 3.35e+08 | 3.19 y | 18:37 | - | 1.16 |
| 185 | Di-IS | 13C-PCB-4 | 100.00 | 1.64e+08 | 1.57 y | 19:58 | - | 0.57 |
| 186 | Di-IS | 13C-PCB-9 | 100.00 | 2.68e+08 | 1.56 y | 21:46 | - | 0.93 |
| 187 | Di-IS | 13C-PCB-11 | 100.00 | 2.77e+08 | 1.54 y | 25:09 | - | 0.96 |
| 188 | Tri-¶ | 13C-PCB-19 | 100.00 | 1.77e+08 | 1.06 y | 24:08 | - | 0.61 |
| 189 | Tri-¶ | 13C-PCB-32 | 100.00 | 2.62e+08 | 1.07 y | 27:04 | - | 0.91 |
| 190 | Tri-¶ | 13C-PCB-28 | 100.00 | 2.74e+08 | 1.04 y | 29:01 | - | 1.14 |
| 191 | Tri-¶ | 13C-PCB-37 | 100.00 | 2.49e+08 | 1.05 y | 32:54 | - | 1.04 |
| 192 | Tetr¶ | 13C-PCB-54 | 100.00 | 2.45e+08 | 0.80 y | 27:53 | - | 0.91 |
| 193 | Tetr¶ | 13C-PCB-52 | 100.00 | 2.02e+08 | 0.80 y | 31:27 | - | 0.75 |
| 194 | Tetr¶ | 13C-PCB-47 | 100.00 | 2.19e+08 | 0.80 y | 31:57 | - | 0.82 |
| 195 | Tetr¶ | 13C-PCB-70 | 100.00 | 2.63e+08 | 0.82 y | 35:28 | - | 0.98 |
| 196 | Tetr¶ | 13C-PCB-80 | 100.00 | 2.66e+08 | 0.81 y | 35:53 | - | 0.99 |
| 197 | Tetr¶ | 13C-PCB-81 | 100.00 | 2.70e+08 | 0.80 y | 38:59 | - | 1.01 |
| 198 | Tetr¶ | 13C-PCB-77 | 100.00 | 2.56e+08 | 0.80 y | 39:34 | - | 0.95 |
| 199 | Pent¶ | 13C-PCB-104 | 100.00 | 1.68e+08 | 1.59 y | 32:36 | - | 0.99 |
| 200 | Pent¶ | 13C-PCB-95 | 100.00 | 1.34e+08 | 1.59 y | 35:46 | - | 0.78 |
| 201 | Pent¶ | 13C-PCB-101 | 100.00 | 1.36e+08 | 1.58 y | 37:27 | - | 0.80 |
| 202 | Pent¶ | 13C-PCB-97 | 100.00 | 1.20e+08 | 1.59 y | 38:44 | - | 0.70 |
| 203 | Pent¶ | 13C-PCB-123 | 100.00 | 1.61e+08 | 1.58 y | 41:18 | - | 0.95 |
| 204 | Pent¶ | 13C-PCB-118 | 100.00 | 1.69e+08 | 1.61 y | 41:29 | - | 0.99 |
| 205 | Pent¶ | 13C-PCB-114 | 100.00 | 1.67e+08 | 1.58 y | 42:08 | - | 1.18 |
| 206 | Pent¶ | 13C-PCB-105 | 100.00 | 1.58e+08 | 1.57 y | 42:60 | - | 1.11 |
| 207 | Pent¶ | 13C-PCB-127 | 100.00 | 1.77e+08 | 1.59 y | 43:20 | - | 1.25 |
| 208 | Pent¶ | 13C-PCB-126 | 100.00 | 1.62e+08 | 1.58 y | 45:14 | - | 1.14 |
| 209 | Hexa¶ | 13C-PCB-155 | 100.00 | 1.43e+08 | 1.29 y | 36:60 | - | 0.84 |
| 210 | Hexa¶ | 13C-PCB-153 | 100.00 | 1.89e+08 | 1.26 y | 43:10 | - | 1.33 |
| 211 | Hexa¶ | 13C-PCB-141 | 100.00 | 1.56e+08 | 1.28 y | 43:54 | - | 1.10 |
| 212 | Hexa | 13C-PCB-138 | 100.00 | 1.65e+08 | 1.28 y | 44:44 | - | 1.16 |
| 213 | Hexa¶ | 13C-PCB-159 | 100.00 | 1.96e+08 | 1.27 y | 46:02 | - | 1.38 |
| 214 | Hexa¶ | 13C-PCB-167 | 100.00 | 1.98e+08 | 1.28 y | 46:42 | - | 1.40 |
| 215 | Hexa¶ | 13C-PCB-156 | 100.00 | 1.95e+08 | 1.26 y | 47:59 | - | 1.37 |
| 216 | Hexa¶ | 13C-PCB-157 | 100.00 | 1.94e+08 | 1.28 y | 48:16 | - | 1.36 |
| 217 | Hexa¶ | 13C-PCB-169 | 100.00 | 1.91e+08 | 1.27 y | 50:28 | - | 1.35 |
| 218 | Hept¶ | 13C-PCB-188 | 100.00 | 1.36e+08 | 0.46 y | 42:47 | - | 1.37 |
| 219 | Hept¶ | 13C-PCB-180 | 100.00 | 9.59e+07 | 0.46 y | 49:17 | - | 0.97 |
| 220 | Hept¶ | 13C-PCB-170 | 100.00 | 8.27e+07 | 0.47 y | 50:53 | - | 0.83 |
| 221 | Hept¶ | 13C-PCB-189 | 100.00 | 1.12e+08 | 0.46 y | 52:29 | - | 1.13 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 222 | Octa╗ | 13C-PCB-202 | 100.00 | 1.27e+08 | 0.90 | y | 48:12 | - | 1.28 |
| 223 | Octa╗ | 13C-PCB-194 | 100.00 | 9.93e+07 | 0.90 | y | 54:03 | - | 0.76 |
| 224 | Nona╗ | 13C-PCB-208 | 100.00 | 1.44e+08 | 0.78 | y | 53:18 | - | 1.11 |
| 225 | Nona╗ | 13C-PCB-206 | 100.00 | 1.04e+08 | 0.79 | y | 55:36 | - | 0.80 |
| 226 | Deca╗ | 13C-PCB-209 | 100.00 | 8.93e+07 | 1.20 | y | 56:55 | - | 0.69 |
| 227 | DI-RS | 13C-PCB-15 | 100.00 | 2.89e+08 | 1.55 | y | 25:52 | - | 1.00 |
| 228 | Tri-╗ | 13C-PCB-31 | 100.00 | 2.39e+08 | 1.05 | y | 28:55 | - | 1.00 |
| 229 | Tetr╗ | 13C-PCB-60 | 100.00 | 2.68e+08 | 0.80 | y | 36:42 | - | 1.00 |
| 230 | Penta | 13C-PCB-111 | 100.00 | 1.70e+08 | 1.59 | y | 39:11 | - | 1.00 |
| 231 | Hexa╗ | 13C-PCB-128 | 100.00 | 1.42e+08 | 1.28 | y | 46:18 | - | 1.00 |

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|---|---|---|---|---|---|---|---|---|
| 232 | Hept╗ | 13C-PCB-182 | 100.00 | 9.93e+07 | 0.46 y | 46:07 | - | 1.00 |
| 233 | Octa╗ | 13C-PCB-205 | 100.00 | 1.30e+08 | 0.90 y | 54:19 | - | 1.00 |
| 234 | CRS | 13C-PCB-79 | 100.00 | 2.74e+08 | 0.80 y | 37:45 | - | 1.02 |
| 235 | CRS | 13C-PCB-178 | 100.00 | 9.16e+07 | 0.45 y | 45:35 | - | 0.92 |
| 236 | PS | 13C-PCB-79 | 100.00 | 2.74e+08 | 0.80 y | 37:45 | - | 1.02 |
| 237 | PS | 13C-PCB-178 | 100.00 | 9.16e+07 | 0.45 y | 45:35 | - | 0.95 |

Filename: 180208E1 S: 2 Acquired: 8-FEB-18 09:39:46
Run: 180208E1 Analyte: PCBNEW ICal: PCBVG8-2-8-18 Results:
Sample text: ST180208E1-2 PCB CS1 17L3004

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|---|---|---|---|---|---|---|---|---|
| 1 | Mono | PCB-1 | 1.00 | 3.49e+06 | 2.97 y | 16:02 | - | 1.15 |
| 2 | Mono | PCB-2 | 1.00 | 3.67e+06 | 3.12 y | 18:25 | - | 1.13 |
| 3 | Mono | PCB-3 | 1.00 | 3.61e+06 | 2.92 y | 18:39 | - | 1.11 |
| 4 | Di | PCB-4/10 | 2.00 | 4.31e+06 | 1.57 y | 20:02 | - | 1.35 |
| 5 | Di | PCB-7/9 | 2.00 | 5.51e+06 | 1.59 y | 21:49 | - | 1.07 |
| 6 | Di | PCB-6 | 1.00 | 2.88e+06 | 1.59 y | 22:28 | - | 1.12 |
| 7 | Di | PCB-5/8 | 2.00 | 5.74e+06 | 1.53 y | 22:53 | - | 1.11 |
| 8 | Di | PCB-14 | 1.00 | 2.95e+06 | 1.54 y | 23:59 | - | 1.13 |
| 9 | Di | PCB-11 | 1.00 | 3.10e+06 | 1.62 y | 25:11 | - | 1.19 |
| 10 | Di | PCB-12/13 | 2.00 | 5.70e+06 | 1.62 y | 25:34 | - | 1.10 |
| 11 | Di | PCB-15 | 1.00 | 3.02e+06 | 1.59 y | 25:53 | - | 1.16 |
| 12 | Tri | PCB-19 | 1.00 | 2.12e+06 | 1.02 y | 24:10 | - | 1.27 |
| 13 | Tri | PCB-30 | 1.00 | 3.52e+06 | 1.00 y | 25:04 | - | 2.11 |
| 14 | Tri | PCB-18 | 1.00 | 2.41e+06 | 1.07 y | 25:49 | - | 0.97 |
| 15 | Tri | PCB-17 | 1.00 | 2.27e+06 | 1.05 y | 25:59 | - | 0.91 |
| 16 | Tri | PCB-24/27 | 2.00 | 6.17e+06 | 1.08 y | 26:34 | - | 1.24 |
| 17 | Tri | PCB-16/32 | 2.00 | 5.42e+06 | 1.07 y | 27:04 | - | 1.09 |
| 18 | Tri | PCB-34 | 1.00 | 2.55e+06 | 1.07 y | 27:53 | - | 1.05 |
| 19 | Tri | PCB-23 | 1.00 | 2.30e+06 | 1.14 y | 27:58 | - | 0.95 |
| 20 | Tri | PCB-29 | 1.00 | 2.39e+06 | 1.10 y | 28:13 | - | 0.98 |
| 21 | Tri | PCB-26 | 1.00 | 2.52e+06 | 1.03 y | 28:26 | - | 1.04 |
| 22 | Tri | PCB-25 | 1.00 | 2.61e+06 | 1.07 y | 28:36 | - | 1.08 |
| 23 | Tri | PCB-31 | 1.00 | 2.66e+06 | 1.04 y | 28:56 | - | 1.09 |
| 24 | Tri | PCB-28 | 1.00 | 2.94e+06 | 1.08 y | 29:03 | - | 1.21 |
| 25 | Tri | PCB-20/21/33 | 3.00 | 7.32e+06 | 1.07 y | 29:39 | - | 1.00 |
| 26 | Tri | PCB-22 | 1.00 | 2.71e+06 | 1.07 y | 30:07 | - | 1.11 |
| 27 | Tri | PCB-36 | 1.00 | 2.72e+06 | 1.10 y | 30:43 | - | 1.25 |
| 28 | Tri | PCB-39 | 1.00 | 2.46e+06 | 1.03 y | 31:11 | - | 1.13 |
| 29 | Tri | PCB-38 | 1.00 | 2.55e+06 | 1.01 y | 31:58 | - | 1.17 |
| 30 | Tri | PCB-35 | 1.00 | 2.63e+06 | 1.08 y | 32:29 | - | 1.20 |
| 31 | Tri | PCB-37 | 1.00 | 2.52e+06 | 1.01 y | 32:55 | - | 1.15 |
| 32 | Tetra | PCB-54 | 1.00 | 2.62e+06 | 0.81 y | 27:55 | - | 1.13 |
| 33 | Tetra | PCB-50 | 1.00 | 2.14e+06 | 0.73 y | 29:05 | - | 0.92 |
| 34 | Tetra | PCB-53 | 1.00 | 2.03e+06 | 0.88 y | 29:44 | - | 1.11 |
| 35 | Tetra | PCB-51 | 1.00 | 2.19e+06 | 0.79 y | 30:04 | - | 1.19 |
| 36 | Tetra | PCB-45 | 1.00 | 1.73e+06 | 0.79 y | 30:31 | - | 0.94 |
| 37 | Tetra | PCB-46 | 1.00 | 1.65e+06 | 0.82 y | 31:00 | - | 0.90 |
| 38 | Tetra | PCB-52/69 | 2.00 | 4.54e+06 | 0.75 y | 31:29 | - | 1.24 |
| 39 | Tetra | PCB-73 | 1.00 | 2.92e+06 | 0.78 y | 31:35 | - | 1.60 |
| 40 | Tetra | PCB-43/49 | 2.00 | 4.02e+06 | 0.83 y | 31:46 | - | 1.10 |
| 41 | Tetra | PCB-47 | 1.00 | 2.08e+06 | 0.78 y | 31:58 | - | 1.05 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 42 | Tetra | PCB-48/75 | 2.00 | 4.67e+06 | 0.81 y | 32:05 | - | 1.18 |
| 43 | Tetra | PCB-65 | 1.00 | 2.52e+06 | 0.79 y | 32:21 | - | 1.28 |
| 44 | Tetra | PCB-62 | 1.00 | 2.43e+06 | 0.79 y | 32:27 | - | 1.23 |
| 45 | Tetra | PCB-44 | 1.00 | 1.87e+06 | 0.79 y | 32:46 | - | 0.95 |
| 46 | Tetra | PCB-42/59 | 2.00 | 4.27e+06 | 0.80 y | 32:59 | - | 1.08 |
| 47 | Tetra | PCB-41/64/71/72 | 4.00 | 9.61e+06 | 0.77 y | 33:35 | - | 1.22 |
| 48 | Tetra | PCB-68 | 1.00 | 2.59e+06 | 0.87 y | 33:51 | - | 1.31 |
| 49 | Tetra | PCB-40 | 1.00 | 1.31e+06 | 0.81 y | 34:03 | - | 0.66 |
| 50 | Tetra | PCB-57 | 1.00 | 2.93e+06 | 0.76 y | 34:25 | - | 1.26 |
| 51 | Tetra | PCB-67 | 1.00 | 2.78e+06 | 0.80 y | 34:43 | - | 1.20 |
| 52 | Tetra | PCB-58 | 1.00 | 2.73e+06 | 0.81 y | 34:50 | - | 1.18 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 53 | Tetra | PCB-63 | 1.00 | 2.42e+06 | 0.79 y | 34:59 | - | 1.04 |
| 54 | Tetra | PCB-74 | 1.00 | 2.97e+06 | 0.84 y | 35:17 | - | 1.28 |
| 55 | Tetra | PCB-61/70 | 2.00 | 5.06e+06 | 0.79 y | 35:27 | - | 1.09 |
| 56 | Tetra | PCB-76/66 | 2.00 | 5.62e+06 | 0.75 y | 35:40 | - | 1.21 |
| 57 | Tetra | PCB-80 | 1.00 | 2.95e+06 | 0.76 y | 35:54 | - | 1.30 |
| 58 | Tetra | PCB-55 | 1.00 | 2.81e+06 | 0.79 y | 36:13 | - | 1.24 |
| 59 | Tetra | PCB-56/60 | 2.00 | 5.08e+06 | 0.80 y | 36:42 | - | 1.12 |
| 60 | Tetra | PCB-79 | 1.00 | 2.83e+06 | 0.79 y | 37:47 | - | 1.25 |
| 61 | Tetra | PCB-78 | 1.00 | 2.75e+06 | 0.77 y | 38:28 | - | 1.19 |
| 62 | Tetra | PCB-81 | 1.00 | 2.44e+06 | 0.82 y | 39:00 | - | 1.06 |
| 63 | Tetra | PCB-77 | 1.00 | 2.48e+06 | 0.77 y | 39:35 | - | 1.15 |
| 64 | Penta | PCB-104 | 1.00 | 1.78e+06 | 1.64 y | 32:37 | - | 1.18 |
| 65 | Penta | PCB-96 | 1.00 | 1.85e+06 | 1.55 y | 33:53 | - | 1.22 |
| 66 | Penta | PCB-103 | 1.00 | 1.49e+06 | 1.59 y | 34:26 | - | 0.98 |
| 67 | Penta | PCB-100 | 1.00 | 1.47e+06 | 1.62 y | 34:46 | - | 0.98 |
| 68 | Penta | PCB-94 | 1.00 | 1.14e+06 | 1.59 y | 35:15 | - | 0.96 |
| 69 | Penta | PCB-95/98/102 | 3.00 | 4.39e+06 | 1.64 y | 35:44 | - | 1.23 |
| 70 | Penta | PCB-93 | 1.00 | 1.16e+06 | 1.71 y | 35:52 | - | 0.98 |
| 71 | Penta | PCB-88/91 | 2.00 | 2.53e+06 | 1.71 y | 36:09 | - | 1.07 |
| 72 | Penta | PCB-121 | 1.00 | 2.05e+06 | 1.54 y | 36:16 | - | 1.73 |
| 73 | Penta | PCB-84/92 | 2.00 | 2.46e+06 | 1.56 y | 37:05 | - | 1.04 |
| 74 | Penta | PCB-89 | 1.00 | 1.33e+06 | 1.62 y | 37:16 | - | 1.12 |
| 75 | Penta | PCB-90/101 | 2.00 | 2.69e+06 | 1.73 y | 37:28 | - | 1.13 |
| 76 | Penta | PCB-113 | 1.00 | 1.86e+06 | 1.50 y | 37:42 | - | 1.57 |
| 77 | Penta | PCB-99 | 1.00 | 1.54e+06 | 1.58 y | 37:48 | - | 1.30 |
| 78 | Penta | PCB-119 | 1.00 | 1.87e+06 | 1.54 y | 38:15 | - | 1.81 |
| 79 | Penta | PCB-108/112 | 2.00 | 3.16e+06 | 1.56 y | 38:24 | - | 1.53 |
| 80 | Penta | PCB-83 | 1.00 | 1.95e+06 | 1.49 y | 38:35 | - | 1.89 |
| 81 | Penta | PCB-97 | 1.00 | 1.28e+06 | 1.55 y | 38:46 | - | 1.24 |
| 82 | Penta | PCB-86 | 1.00 | 1.15e+06 | 1.48 y | 38:54 | - | 1.11 |
| 83 | Penta | PCB-87/117/125 | 3.00 | 5.08e+06 | 1.58 y | 39:02 | - | 1.64 |
| 84 | Penta | PCB-111/115 | 2.00 | 4.05e+06 | 1.74 y | 39:12 | - | 1.96 |
| 85 | Penta | PCB-85/116 | 2.00 | 2.77e+06 | 1.33 y | 39:19 | - | 1.34 |
| 86 | Penta | PCB-120 | 1.00 | 2.21e+06 | 1.55 y | 39:34 | - | 2.14 |
| 87 | Penta | PCB-110 | 1.00 | 1.74e+06 | 1.66 y | 39:43 | - | 1.69 |
| 88 | Penta | PCB-82 | 1.00 | 1.20e+06 | 1.46 y | 40:20 | - | 0.86 |
| 89 | Penta | PCB-124 | 1.00 | 1.86e+06 | 1.59 y | 41:00 | - | 1.34 |
| 90 | Penta | PCB-107/109 | 2.00 | 3.86e+06 | 1.57 y | 41:09 | - | 1.39 |
| 91 | Penta | PCB-123 | 1.00 | 1.61e+06 | 1.58 y | 41:19 | - | 1.16 |
| 92 | Penta | PCB-106/118 | 2.00 | 3.66e+06 | 1.62 y | 41:32 | - | 1.27 |
| 93 | Penta | PCB-114 | 1.00 | 1.72e+06 | 1.59 y | 42:10 | - | 1.18 |
| 94 | Penta | PCB-122 | 1.00 | 1.54e+06 | 1.49 y | 42:18 | - | 1.06 |
| 95 | Penta | PCB-105 | 1.00 | 1.69e+06 | 1.68 y | 43:02 | - | 1.21 |
| 96 | Penta | PCB-127 | 1.00 | 1.79e+06 | 1.63 y | 43:21 | - | 1.19 |
| 97 | Penta | PCB-126 | 1.00 | 1.69e+06 | 1.53 y | 45:15 | - | 1.24 |
| 98 | Hexa | PCB-155 | 1.00 | 1.33e+06 | 1.18 y | 37:01 | - | 1.07 |
| 99 | Hexa | PCB-150 | 1.00 | 1.33e+06 | 1.20 y | 38:17 | - | 1.07 |
| 100 | Hexa | PCB-152 | 1.00 | 1.48e+06 | 1.27 y | 38:45 | - | 1.19 |
| 101 | Hexa | PCB-145 | 1.00 | 1.49e+06 | 1.14 y | 39:12 | - | 1.20 |
| 102 | Hexa | PCB-136 | 1.00 | 1.34e+06 | 1.30 y | 39:31 | - | 1.08 |

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|---|---|---|---|---|---|---|---|---|---|
| 103 | Hexa | PCB-148 | 1.00 | 9.79e+05 | 1.21 | y | 39:38 | - | 0.79 |
| 104 | Hexa | PCB-154 | 1.00 | 1.09e+06 | 1.37 | y | 40:07 | - | 0.87 |
| 105 | Hexa | PCB-151 | 1.00 | 9.47e+05 | 1.33 | y | 40:45 | - | 0.76 |
| 106 | Hexa | PCB-135 | 1.00 | 1.17e+06 | 1.34 | y | 40:59 | - | 0.94 |
| 107 | Hexa | PCB-144 | 1.00 | 9.66e+05 | 1.40 | y | 41:06 | - | 0.78 |
| 108 | Hexa | PCB-147 | 1.00 | 1.01e+06 | 1.39 | y | 41:13 | - | 0.81 |
| 109 | Hexa | PCB-139/149 | 2.00 | 2.28e+06 | 1.36 | y | 41:28 | - | 0.92 |
| 110 | Hexa | PCB-140 | 1.00 | 1.01e+06 | 1.25 | y | 41:40 | - | 0.81 |
| 111 | Hexa | PCB-134/143 | 2.00 | 2.66e+06 | 1.22 | y | 42:05 | - | 0.81 |
| 112 | Hexa | PCB-131/133 | 2.00 | 2.83e+06 | 1.18 | y | 42:24 | - | 0.86 |
| 113 | Hexa | PCB-142 | 1.00 | 1.20e+06 | 1.27 | y | 42:33 | - | 0.73 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 114 | Hexa | PCB-146/165 | 2.00 | 3.52e+06 | 1.21 y | 42:47 | - | 1.07 |
| 115 | Hexa | PCB-132/161 | 2.00 | 3.51e+06 | 1.24 y | 43:01 | - | 1.07 |
| 116 | Hexa | PCB-153 | 1.00 | 1.90e+06 | 1.22 y | 43:11 | - | 1.16 |
| 117 | Hexa | PCB-168 | 1.00 | 1.88e+06 | 1.23 y | 43:24 | - | 1.14 |
| 118 | Hexa | PCB-141 | 1.00 | 1.50e+06 | 1.24 y | 43:55 | - | 1.10 |
| 119 | Hexa | PCB-137 | 1.00 | 1.62e+06 | 1.15 y | 44:18 | - | 1.19 |
| 120 | Hexa | PCB-130 | 1.00 | 1.07e+06 | 1.25 y | 44:25 | - | 0.78 |
| 121 | Hexa | PCB-138/163/164 | 3.00 | 5.60e+06 | 1.22 y | 44:47 | - | 1.32 |
| 122 | Hexa | PCB-158/160 | 2.00 | 3.64e+06 | 1.20 y | 45:01 | - | 1.28 |
| 123 | Hexa | PCB-129 | 1.00 | 1.16e+06 | 1.25 y | 45:16 | - | 0.82 |
| 124 | Hexa | PCB-166 | 1.00 | 2.08e+06 | 1.20 y | 45:42 | - | 1.24 |
| 125 | Hexa | PCB-159 | 1.00 | 2.07e+06 | 1.15 y | 46:03 | - | 1.23 |
| 126 | Hexa | PCB-128/162 | 2.00 | 3.24e+06 | 1.22 y | 46:19 | - | 0.96 |
| 127 | Hexa | PCB-167 | 1.00 | 1.82e+06 | 1.28 y | 46:44 | - | 1.09 |
| 128 | Hexa | PCB-156 | 1.00 | 1.81e+06 | 1.20 y | 48:00 | - | 1.13 |
| 129 | Hexa | PCB-157 | 1.00 | 1.72e+06 | 1.24 y | 48:17 | - | 1.09 |
| 130 | Hexa | PCB-169 | 1.00 | 2.05e+06 | 1.20 y | 50:29 | - | 1.22 |
| 131 | Hepta | PCB-188 | 1.00 | 1.77e+06 | 1.04 y | 42:49 | - | 1.46 |
| 132 | Hepta | PCB-184 | 1.00 | 1.71e+06 | 1.10 y | 43:16 | - | 1.41 |
| 133 | Hepta | PCB-179 | 1.00 | 1.74e+06 | 1.04 y | 44:02 | - | 1.44 |
| 134 | Hepta | PCB-176 | 1.00 | 1.65e+06 | 1.18 y | 44:30 | - | 1.36 |
| 135 | Hepta | PCB-186 | 1.00 | 1.90e+06 | 1.00 y | 45:07 | - | 1.57 |
| 136 | Hepta | PCB-178 | 1.00 | 1.27e+06 | 1.03 y | 45:37 | - | 1.05 |
| 137 | Hepta | PCB-175 | 1.00 | 1.26e+06 | 1.01 y | 45:56 | - | 1.04 |
| 138 | Hepta | PCB-182/187 | 2.00 | 2.90e+06 | 1.11 y | 46:08 | - | 1.20 |
| 139 | Hepta | PCB-183 | 1.00 | 1.42e+06 | 1.13 y | 46:26 | - | 1.18 |
| 140 | Hepta | PCB-185 | 1.00 | 1.22e+06 | 1.17 y | 47:06 | - | 1.50 |
| 141 | Hepta | PCB-174 | 1.00 | 1.18e+06 | 1.05 y | 47:28 | - | 1.46 |
| 142 | Hepta | PCB-181 | 1.00 | 1.26e+06 | 1.01 y | 47:33 | - | 1.55 |
| 143 | Hepta | PCB-177 | 1.00 | 1.12e+06 | 1.08 y | 47:44 | - | 1.38 |
| 144 | Hepta | PCB-171 | 1.00 | 1.16e+06 | 1.16 y | 48:01 | - | 1.43 |
| 145 | Hepta | PCB-173 | 1.00 | 1.06e+06 | 0.98 y | 48:27 | - | 1.31 |
| 146 | Hepta | PCB-172 | 1.00 | 1.18e+06 | 1.18 y | 48:54 | - | 1.46 |
| 147 | Hepta | PCB-192 | 1.00 | 1.52e+06 | 1.03 y | 49:05 | - | 1.88 |
| 148 | Hepta | PCB-180 | 1.00 | 1.26e+06 | 1.07 y | 49:18 | - | 1.56 |
| 149 | Hepta | PCB-193 | 1.00 | 1.51e+06 | 1.02 y | 49:30 | - | 1.86 |
| 150 | Hepta | PCB-191 | 1.00 | 1.46e+06 | 1.11 y | 49:45 | - | 1.81 |
| 151 | Hepta | PCB-170 | 1.00 | 1.18e+06 | 1.10 y | 50:54 | - | 1.63 |
| 152 | Hepta | PCB-190 | 1.00 | 1.56e+06 | 1.05 y | 51:04 | - | 2.15 |
| 153 | Hepta | PCB-189 | 1.00 | 1.51e+06 | 1.11 y | 52:30 | - | 1.56 |
| 154 | Octa | PCB-202 | 1.00 | 1.11e+06 | 0.90 y | 48:14 | - | 1.08 |
| 155 | Octa | PCB-201 | 1.00 | 1.05e+06 | 0.87 y | 48:43 | - | 1.02 |
| 156 | Octa | PCB-204 | 1.00 | 1.23e+06 | 0.87 y | 48:52 | - | 1.19 |
| 157 | Octa | PCB-197 | 1.00 | 1.27e+06 | 0.84 y | 49:11 | - | 1.24 |
| 158 | Octa | PCB-200 | 1.00 | 1.18e+06 | 0.95 y | 50:05 | - | 1.15 |
| 159 | Octa | PCB-198 | 1.00 | 9.78e+05 | 0.96 y | 51:33 | - | 0.95 |
| 160 | Octa | PCB-199 | 1.00 | 9.25e+05 | 0.89 y | 51:40 | - | 0.90 |
| 161 | Octa | PCB-196/203 | 2.00 | 2.01e+06 | 0.94 y | 51:57 | - | 0.98 |
| 162 | Octa | PCB-195 | 1.00 | 1.03e+06 | 0.84 y | 53:10 | - | 1.11 |
| 163 | Octa | PCB-194 | 1.00 | 1.11e+06 | 0.88 y | 54:03 | - | 1.21 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 164 | Octa | PCB-205 | 1.00 | 1.30e+06 | 0.94 | y | 54:19 | - | 1.41 |
| 165 | Nona | PCB-208 | 1.00 | 1.20e+06 | 1.30 | y | 53:19 | - | 0.92 |
| 166 | Nona | PCB-207 | 1.00 | 1.27e+06 | 1.34 | y | 53:39 | - | 0.97 |
| 167 | Nona | PCB-206 | 1.00 | 8.81e+05 | 1.30 | y | 55:38 | - | 0.92 |
| 168 | Deca | PCB-209 | 1.00 | 9.72e+05 | 1.19 | y | 56:57 | - | 1.09 |
| 169 | Tot ╗ | Total Mono-PCB | 0.00 | - | - | n | - | - | 1.13 |
| 170 | Tot ╗ | Total Di-PCB | 0.00 | - | - | n | - | - | 1.12 |
| 171 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.24 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 172 | Tot ¶ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.09 |
| 173 | Tot ¶ | Total Tetra-PCB | 0.00 | - | - | n | - | - | 1.13 |
| 174 | Tot ¶ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.25 |
| 175 | Tot ¶ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.17 |
| 176 | Tot ¶ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.94 |
| 177 | Tot ¶ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 1.07 |
| 178 | Tot ¶ | Total Hepta-PCB | 0.00 | - | - | n | - | - | 1.42 |
| 179 | Tot ¶ | Total Octa-PCB | 0.00 | - | - | n | - | - | 1.05 |
| 180 | Tot ¶ | Total Octa-PCB | 0.00 | - | - | n | - | - | 1.24 |
| 181 | Tot ¶ | Total Nona-PCB | 0.00 | - | - | n | - | - | 0.94 |
| 182 | Tot ¶ | Total Deca-PCB | 1.00 | 9.72e+05 | 1.19 | y | 56:57 | - | 1.09 |
| 183 | Mono¶ | 13C-PCB-1 | 100.00 | 3.02e+08 | 3.16 | y | 16:01 | - | 1.10 |
| 184 | Mono¶ | 13C-PCB-3 | 100.00 | 3.24e+08 | 3.17 | y | 18:38 | - | 1.18 |
| 185 | Di-IS | 13C-PCB-4 | 100.00 | 1.60e+08 | 1.58 | y | 19:59 | - | 0.58 |
| 186 | Di-IS | 13C-PCB-9 | 100.00 | 2.58e+08 | 1.55 | y | 21:46 | - | 0.94 |
| 187 | Di-IS | 13C-PCB-11 | 100.00 | 2.60e+08 | 1.54 | y | 25:10 | - | 0.94 |
| 188 | Tri-¶ | 13C-PCB-19 | 100.00 | 1.67e+08 | 1.04 | y | 24:09 | - | 0.61 |
| 189 | Tri-¶ | 13C-PCB-32 | 100.00 | 2.49e+08 | 1.05 | y | 27:04 | - | 0.90 |
| 190 | Tri-¶ | 13C-PCB-28 | 100.00 | 2.43e+08 | 1.04 | y | 29:02 | - | 1.10 |
| 191 | Tri-¶ | 13C-PCB-37 | 100.00 | 2.18e+08 | 1.05 | y | 32:54 | - | 0.99 |
| 192 | Tetr¶ | 13C-PCB-54 | 100.00 | 2.33e+08 | 0.79 | y | 27:54 | - | 1.01 |
| 193 | Tetr¶ | 13C-PCB-52 | 100.00 | 1.83e+08 | 0.80 | y | 31:27 | - | 0.79 |
| 194 | Tetr¶ | 13C-PCB-47 | 100.00 | 1.97e+08 | 0.80 | y | 31:57 | - | 0.85 |
| 195 | Tetr¶ | 13C-PCB-70 | 100.00 | 2.32e+08 | 0.80 | y | 35:28 | - | 1.00 |
| 196 | Tetr¶ | 13C-PCB-80 | 100.00 | 2.27e+08 | 0.79 | y | 35:53 | - | 0.98 |
| 197 | Tetr¶ | 13C-PCB-81 | 100.00 | 2.31e+08 | 0.80 | y | 38:59 | - | 1.00 |
| 198 | Tetr¶ | 13C-PCB-77 | 100.00 | 2.17e+08 | 0.81 | y | 39:35 | - | 0.94 |
| 199 | Pent¶ | 13C-PCB-104 | 100.00 | 1.51e+08 | 1.55 | y | 32:36 | - | 1.02 |
| 200 | Pent¶ | 13C-PCB-95 | 100.00 | 1.19e+08 | 1.58 | y | 35:46 | - | 0.80 |
| 201 | Pent¶ | 13C-PCB-101 | 100.00 | 1.19e+08 | 1.59 | y | 37:28 | - | 0.80 |
| 202 | Pent¶ | 13C-PCB-97 | 100.00 | 1.03e+08 | 1.60 | y | 38:45 | - | 0.70 |
| 203 | Pent¶ | 13C-PCB-123 | 100.00 | 1.39e+08 | 1.59 | y | 41:18 | - | 0.93 |
| 204 | Pent¶ | 13C-PCB-118 | 100.00 | 1.44e+08 | 1.64 | y | 41:30 | - | 0.97 |
| 205 | Pent¶ | 13C-PCB-114 | 100.00 | 1.46e+08 | 1.58 | y | 42:09 | - | 1.20 |
| 206 | Pent¶ | 13C-PCB-105 | 100.00 | 1.40e+08 | 1.60 | y | 43:00 | - | 1.16 |
| 207 | Pent¶ | 13C-PCB-127 | 100.00 | 1.50e+08 | 1.56 | y | 43:20 | - | 1.24 |
| 208 | Pent¶ | 13C-PCB-126 | 100.00 | 1.37e+08 | 1.59 | y | 45:14 | - | 1.13 |
| 209 | Hexa¶ | 13C-PCB-155 | 100.00 | 1.24e+08 | 1.32 | y | 36:60 | - | 0.84 |
| 210 | Hexa¶ | 13C-PCB-153 | 100.00 | 1.65e+08 | 1.26 | y | 43:10 | - | 1.36 |
| 211 | Hexa¶ | 13C-PCB-141 | 100.00 | 1.36e+08 | 1.28 | y | 43:55 | - | 1.13 |
| 212 | Hexa | 13C-PCB-138 | 100.00 | 1.42e+08 | 1.26 | y | 44:45 | - | 1.17 |
| 213 | Hexa¶ | 13C-PCB-159 | 100.00 | 1.68e+08 | 1.28 | y | 46:02 | - | 1.39 |
| 214 | Hexa¶ | 13C-PCB-167 | 100.00 | 1.67e+08 | 1.29 | y | 46:43 | - | 1.38 |
| 215 | Hexa¶ | 13C-PCB-156 | 100.00 | 1.60e+08 | 1.26 | y | 47:60 | - | 1.32 |
| 216 | Hexa¶ | 13C-PCB-157 | 100.00 | 1.58e+08 | 1.28 | y | 48:16 | - | 1.30 |
| 217 | Hexa¶ | 13C-PCB-169 | 100.00 | 1.69e+08 | 1.26 | y | 50:28 | - | 1.39 |
| 218 | Hept¶ | 13C-PCB-188 | 100.00 | 1.21e+08 | 0.45 | y | 42:48 | - | 1.40 |
| 219 | Hept¶ | 13C-PCB-180 | 100.00 | 8.10e+07 | 0.47 | y | 49:17 | - | 0.93 |
| 220 | Hept¶ | 13C-PCB-170 | 100.00 | 7.27e+07 | 0.46 | y | 50:52 | - | 0.84 |
| 221 | Hept¶ | 13C-PCB-189 | 100.00 | 9.67e+07 | 0.46 | y | 52:29 | - | 1.12 |
| 222 | Octa¶ | 13C-PCB-202 | 100.00 | 1.03e+08 | 0.92 | y | 48:13 | - | 1.19 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 223 | Octa╗ | 13C-PCB-194 | 100.00 | 9.21e+07 | 0.91 y | 54:03 | - | 0.76 |
| 224 | Nona╗ | 13C-PCB-208 | 100.00 | 1.30e+08 | 0.79 y | 53:19 | - | 1.08 |
| 225 | Nona╗ | 13C-PCB-206 | 100.00 | 9.62e+07 | 0.76 y | 55:37 | - | 0.80 |
| 226 | Deca╗ | 13C-PCB-209 | 100.00 | 8.88e+07 | 1.19 y | 56:56 | - | 0.74 |
| | | | | | | | | |
| 227 | DI-RS | 13C-PCB-15 | 100.00 | 2.76e+08 | 1.56 y | 25:52 | - | 1.00 |
| 228 | Tri-╗ | 13C-PCB-31 | 100.00 | 2.21e+08 | 1.05 y | 28:55 | - | 1.00 |
| 229 | Tetr╗ | 13C-PCB-60 | 100.00 | 2.31e+08 | 0.80 y | 36:42 | - | 1.00 |
| 230 | Penta | 13C-PCB-111 | 100.00 | 1.48e+08 | 1.60 y | 39:11 | - | 1.00 |
| 231 | Hexa╗ | 13C-PCB-128 | 100.00 | 1.21e+08 | 1.26 y | 46:18 | - | 1.00 |
| 232 | Hept╗ | 13C-PCB-182 | 100.00 | 8.67e+07 | 0.46 y | 46:08 | - | 1.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 233 | Octa$_{\pi}$ | 13C-PCB-205 | 100.00 | 1.21e+08 | 0.93 | y | 54:19 | - | 1.00 |
| 234 | CRS | 13C-PCB-79 | 100.00 | 2.42e+08 | 0.79 | y | 37:46 | - | 1.05 |
| 235 | CRS | 13C-PCB-178 | 100.00 | 8.24e+07 | 0.46 | y | 45:35 | - | 0.95 |
| 236 | PS | 13C-PCB-79 | 100.00 | 2.42e+08 | 0.79 | y | 37:46 | - | 1.05 |
| 237 | PS | 13C-PCB-178 | 100.00 | 8.24e+07 | 0.46 | y | 45:35 | - | 1.02 |

Filename: 180208E1 S: 3 Acquired: 8-FEB-18 10:44:54
Run: 180208E1 Analyte: PCBNEW ICal: PCBVG8-2-8-18 Results:
Sample text: ST180208E1-3 PCB CS2 17L3005

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|---|---|---|---|---|---|---|---|---|
| 1 | Mono | PCB-1 | 2.50 | 8.06e+06 | 3.04 y | 16:02 | - | 1.09 |
| 2 | Mono | PCB-2 | 2.50 | 8.36e+06 | 2.97 y | 18:25 | - | 1.06 |
| 3 | Mono | PCB-3 | 2.50 | 8.48e+06 | 3.04 y | 18:39 | - | 1.08 |
| 4 | Di | PCB-4/10 | 5.00 | 9.72e+06 | 1.59 y | 20:02 | - | 1.27 |
| 5 | Di | PCB-7/9 | 5.00 | 1.23e+07 | 1.57 y | 21:49 | - | 1.01 |
| 6 | Di | PCB-6 | 2.50 | 6.60e+06 | 1.53 y | 22:29 | - | 1.09 |
| 7 | Di | PCB-5/8 | 5.00 | 1.26e+07 | 1.59 y | 22:53 | - | 1.03 |
| 8 | Di | PCB-14 | 2.50 | 6.54e+06 | 1.57 y | 23:59 | - | 1.08 |
| 9 | Di | PCB-11 | 2.50 | 6.95e+06 | 1.55 y | 25:11 | - | 1.15 |
| 10 | Di | PCB-12/13 | 5.00 | 1.25e+07 | 1.57 y | 25:35 | - | 1.03 |
| 11 | Di | PCB-15 | 2.50 | 6.65e+06 | 1.50 y | 25:54 | - | 1.10 |
| 12 | Tri | PCB-19 | 2.50 | 4.98e+06 | 1.02 y | 24:10 | - | 1.24 |
| 13 | Tri | PCB-30 | 2.50 | 7.94e+06 | 1.04 y | 25:04 | - | 1.98 |
| 14 | Tri | PCB-18 | 2.50 | 5.51e+06 | 1.05 y | 25:49 | - | 0.97 |
| 15 | Tri | PCB-17 | 2.50 | 4.96e+06 | 1.06 y | 25:59 | - | 0.87 |
| 16 | Tri | PCB-24/27 | 5.00 | 1.36e+07 | 1.05 y | 26:34 | - | 1.20 |
| 17 | Tri | PCB-16/32 | 5.00 | 1.18e+07 | 1.03 y | 27:04 | - | 1.03 |
| 18 | Tri | PCB-34 | 2.50 | 5.78e+06 | 1.05 y | 27:53 | - | 1.04 |
| 19 | Tri | PCB-23 | 2.50 | 5.00e+06 | 1.08 y | 27:59 | - | 0.90 |
| 20 | Tri | PCB-29 | 2.50 | 5.44e+06 | 1.07 y | 28:13 | - | 0.98 |
| 21 | Tri | PCB-26 | 2.50 | 5.55e+06 | 1.07 y | 28:26 | - | 1.00 |
| 22 | Tri | PCB-25 | 2.50 | 5.91e+06 | 1.06 y | 28:35 | - | 1.07 |
| 23 | Tri | PCB-31 | 2.50 | 6.09e+06 | 1.08 y | 28:57 | - | 1.10 |
| 24 | Tri | PCB-28 | 2.50 | 6.57e+06 | 1.03 y | 29:03 | - | 1.19 |
| 25 | Tri | PCB-20/21/33 | 7.50 | 1.63e+07 | 1.06 y | 29:40 | - | 0.98 |
| 26 | Tri | PCB-22 | 2.50 | 5.82e+06 | 1.04 y | 30:06 | - | 1.05 |
| 27 | Tri | PCB-36 | 2.50 | 6.03e+06 | 1.02 y | 30:43 | - | 1.18 |
| 28 | Tri | PCB-39 | 2.50 | 5.63e+06 | 1.08 y | 31:12 | - | 1.10 |
| 29 | Tri | PCB-38 | 2.50 | 5.75e+06 | 1.06 y | 31:58 | - | 1.13 |
| 30 | Tri | PCB-35 | 2.50 | 5.80e+06 | 1.09 y | 32:29 | - | 1.13 |
| 31 | Tri | PCB-37 | 2.50 | 5.88e+06 | 1.06 y | 32:55 | - | 1.15 |
| 32 | Tetra | PCB-54 | 2.50 | 5.89e+06 | 0.79 y | 27:55 | - | 1.11 |
| 33 | Tetra | PCB-50 | 2.50 | 4.83e+06 | 0.78 y | 29:06 | - | 0.91 |
| 34 | Tetra | PCB-53 | 2.50 | 4.60e+06 | 0.78 y | 29:44 | - | 1.09 |
| 35 | Tetra | PCB-51 | 2.50 | 4.92e+06 | 0.73 y | 30:05 | - | 1.16 |
| 36 | Tetra | PCB-45 | 2.50 | 3.94e+06 | 0.75 y | 30:31 | - | 0.93 |
| 37 | Tetra | PCB-46 | 2.50 | 3.69e+06 | 0.73 y | 31:00 | - | 0.87 |
| 38 | Tetra | PCB-52/69 | 5.00 | 1.06e+07 | 0.77 y | 31:29 | - | 1.25 |
| 39 | Tetra | PCB-73 | 2.50 | 6.41e+06 | 0.79 y | 31:36 | - | 1.52 |
| 40 | Tetra | PCB-43/49 | 5.00 | 8.83e+06 | 0.77 y | 31:46 | - | 1.04 |
| 41 | Tetra | PCB-47 | 2.50 | 4.59e+06 | 0.74 y | 31:58 | - | 0.99 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 42 | Tetra | PCB-48/75 | 5.00 | 1.06e+07 | 0.77 y | 32:05 | - | 1.14 |
| 43 | Tetra | PCB-65 | 2.50 | 5.70e+06 | 0.80 y | 32:21 | - | 1.23 |
| 44 | Tetra | PCB-62 | 2.50 | 5.32e+06 | 0.78 y | 32:27 | - | 1.15 |
| 45 | Tetra | PCB-44 | 2.50 | 4.01e+06 | 0.79 y | 32:46 | - | 0.87 |
| 46 | Tetra | PCB-42/59 | 5.00 | 9.55e+06 | 0.79 y | 33:00 | - | 1.03 |
| 47 | Tetra | PCB-41/64/71/72 | 10.00 | 2.17e+07 | 0.79 y | 33:35 | - | 1.17 |
| 48 | Tetra | PCB-68 | 2.50 | 5.89e+06 | 0.78 y | 33:50 | - | 1.27 |
| 49 | Tetra | PCB-40 | 2.50 | 3.02e+06 | 0.78 y | 34:03 | - | 0.65 |
| 50 | Tetra | PCB-57 | 2.50 | 6.18e+06 | 0.78 y | 34:25 | - | 1.15 |
| 51 | Tetra | PCB-67 | 2.50 | 5.76e+06 | 0.77 y | 34:43 | - | 1.07 |
| 52 | Tetra | PCB-58 | 2.50 | 6.69e+06 | 0.81 y | 34:50 | - | 1.25 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 53 | Tetra | PCB-63 | 2.50 | 5.32e+06 | 0.79 y | 34:59 | - | 0.99 |
| 54 | Tetra | PCB-74 | 2.50 | 6.45e+06 | 0.76 y | 35:16 | - | 1.20 |
| 55 | Tetra | PCB-61/70 | 5.00 | 1.14e+07 | 0.76 y | 35:26 | - | 1.07 |
| 56 | Tetra | PCB-76/66 | 5.00 | 1.24e+07 | 0.75 y | 35:40 | - | 1.15 |
| 57 | Tetra | PCB-80 | 2.50 | 6.63e+06 | 0.79 y | 35:55 | - | 1.24 |
| 58 | Tetra | PCB-55 | 2.50 | 6.41e+06 | 0.76 y | 36:13 | - | 1.20 |
| 59 | Tetra | PCB-56/60 | 5.00 | 1.12e+07 | 0.77 y | 36:42 | - | 1.05 |
| 60 | Tetra | PCB-79 | 2.50 | 6.29e+06 | 0.76 y | 37:47 | - | 1.18 |
| 61 | Tetra | PCB-78 | 2.50 | 5.90e+06 | 0.76 y | 38:28 | - | 1.11 |
| 62 | Tetra | PCB-81 | 2.50 | 5.25e+06 | 0.83 y | 39:00 | - | 0.99 |
| 63 | Tetra | PCB-77 | 2.50 | 5.43e+06 | 0.78 y | 39:35 | - | 1.08 |
| 64 | Penta | PCB-104 | 2.50 | 3.95e+06 | 1.63 y | 32:37 | - | 1.10 |
| 65 | Penta | PCB-96 | 2.50 | 4.06e+06 | 1.67 y | 33:53 | - | 1.14 |
| 66 | Penta | PCB-103 | 2.50 | 3.13e+06 | 1.60 y | 34:26 | - | 0.87 |
| 67 | Penta | PCB-100 | 2.50 | 3.33e+06 | 1.52 y | 34:47 | - | 0.93 |
| 68 | Penta | PCB-94 | 2.50 | 2.65e+06 | 1.61 y | 35:15 | - | 0.96 |
| 69 | Penta | PCB-95/98/102 | 7.50 | 9.81e+06 | 1.56 y | 35:45 | - | 1.18 |
| 70 | Penta | PCB-93 | 2.50 | 2.60e+06 | 1.58 y | 35:52 | - | 0.94 |
| 71 | Penta | PCB-88/91 | 5.00 | 5.74e+06 | 1.62 y | 36:10 | - | 1.04 |
| 72 | Penta | PCB-121 | 2.50 | 4.35e+06 | 1.55 y | 36:16 | - | 1.57 |
| 73 | Penta | PCB-84/92 | 5.00 | 5.52e+06 | 1.61 y | 37:05 | - | 1.02 |
| 74 | Penta | PCB-89 | 2.50 | 3.03e+06 | 1.62 y | 37:17 | - | 1.12 |
| 75 | Penta | PCB-90/101 | 5.00 | 6.00e+06 | 1.63 y | 37:28 | - | 1.10 |
| 76 | Penta | PCB-113 | 2.50 | 4.10e+06 | 1.58 y | 37:43 | - | 1.51 |
| 77 | Penta | PCB-99 | 2.50 | 3.34e+06 | 1.44 y | 37:48 | - | 1.23 |
| 78 | Penta | PCB-119 | 2.50 | 4.14e+06 | 1.68 y | 38:16 | - | 1.76 |
| 79 | Penta | PCB-108/112 | 5.00 | 6.74e+06 | 1.60 y | 38:25 | - | 1.43 |
| 80 | Penta | PCB-83 | 2.50 | 4.20e+06 | 1.55 y | 38:34 | - | 1.78 |
| 81 | Penta | PCB-97 | 2.50 | 2.81e+06 | 1.61 y | 38:46 | - | 1.19 |
| 82 | Penta | PCB-86 | 2.50 | 2.71e+06 | 1.53 y | 38:54 | - | 1.15 |
| 83 | Penta | PCB-87/117/125 | 7.50 | 1.12e+07 | 1.62 y | 39:02 | - | 1.59 |
| 84 | Penta | PCB-111/115 | 5.00 | 8.40e+06 | 1.60 y | 39:11 | - | 1.78 |
| 85 | Penta | PCB-85/116 | 5.00 | 6.41e+06 | 1.58 y | 39:19 | - | 1.36 |
| 86 | Penta | PCB-120 | 2.50 | 4.56e+06 | 1.53 y | 39:34 | - | 1.93 |
| 87 | Penta | PCB-110 | 2.50 | 4.36e+06 | 1.53 y | 39:42 | - | 1.85 |
| 88 | Penta | PCB-82 | 2.50 | 2.70e+06 | 1.67 y | 40:20 | - | 0.86 |
| 89 | Penta | PCB-124 | 2.50 | 4.29e+06 | 1.56 y | 41:00 | - | 1.36 |
| 90 | Penta | PCB-107/109 | 5.00 | 8.43e+06 | 1.71 y | 41:10 | - | 1.34 |
| 91 | Penta | PCB-123 | 2.50 | 3.53e+06 | 1.49 y | 41:20 | - | 1.12 |
| 92 | Penta | PCB-106/118 | 5.00 | 7.97e+06 | 1.58 y | 41:32 | - | 1.23 |
| 93 | Penta | PCB-114 | 2.50 | 3.96e+06 | 1.63 y | 42:09 | - | 1.17 |
| 94 | Penta | PCB-122 | 2.50 | 3.45e+06 | 1.59 y | 42:18 | - | 1.02 |
| 95 | Penta | PCB-105 | 2.50 | 3.74e+06 | 1.55 y | 43:01 | - | 1.15 |
| 96 | Penta | PCB-127 | 2.50 | 3.99e+06 | 1.59 y | 43:22 | - | 1.15 |
| 97 | Penta | PCB-126 | 2.50 | 3.92e+06 | 1.57 y | 45:15 | - | 1.25 |
| 98 | Hexa | PCB-155 | 2.50 | 2.86e+06 | 1.32 y | 37:01 | - | 1.01 |
| 99 | Hexa | PCB-150 | 2.50 | 2.99e+06 | 1.29 y | 38:17 | - | 1.05 |
| 100 | Hexa | PCB-152 | 2.50 | 3.31e+06 | 1.25 y | 38:45 | - | 1.17 |
| 101 | Hexa | PCB-145 | 2.50 | 3.24e+06 | 1.20 y | 39:12 | - | 1.14 |
| 102 | Hexa | PCB-136 | 2.50 | 3.07e+06 | 1.36 y | 39:31 | - | 1.08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 103 | Hexa | PCB-148 | 2.50 | 2.06e+06 | 1.24 y | 39:38 | - | 0.73 |
| 104 | Hexa | PCB-154 | 2.50 | 2.44e+06 | 1.18 y | 40:07 | - | 0.86 |
| 105 | Hexa | PCB-151 | 2.50 | 2.20e+06 | 1.20 y | 40:46 | - | 0.77 |
| 106 | Hexa | PCB-135 | 2.50 | 2.31e+06 | 1.27 y | 40:58 | - | 0.81 |
| 107 | Hexa | PCB-144 | 2.50 | 2.36e+06 | 1.37 y | 41:05 | - | 0.83 |
| 108 | Hexa | PCB-147 | 2.50 | 2.26e+06 | 1.17 y | 41:13 | - | 0.80 |
| 109 | Hexa | PCB-139/149 | 5.00 | 4.98e+06 | 1.28 y | 41:29 | - | 0.88 |
| 110 | Hexa | PCB-140 | 2.50 | 2.22e+06 | 1.20 y | 41:40 | - | 0.78 |
| 111 | Hexa | PCB-134/143 | 5.00 | 6.04e+06 | 1.29 y | 42:05 | - | 0.79 |
| 112 | Hexa | PCB-131/133 | 5.00 | 6.34e+06 | 1.27 y | 42:23 | - | 0.83 |
| 113 | Hexa | PCB-142 | 2.50 | 2.96e+06 | 1.18 y | 42:32 | - | 0.77 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 114 | Hexa | PCB-146/165 | 5.00 | 7.96e+06 | 1.23 y | 42:46 | - | 1.04 |
| 115 | Hexa | PCB-132/161 | 5.00 | 7.81e+06 | 1.22 y | 43:01 | - | 1.02 |
| 116 | Hexa | PCB-153 | 2.50 | 4.11e+06 | 1.22 y | 43:11 | - | 1.07 |
| 117 | Hexa | PCB-168 | 2.50 | 4.25e+06 | 1.19 y | 43:24 | - | 1.11 |
| 118 | Hexa | PCB-141 | 2.50 | 3.35e+06 | 1.17 y | 43:55 | - | 1.06 |
| 119 | Hexa | PCB-137 | 2.50 | 3.32e+06 | 1.24 y | 44:18 | - | 1.05 |
| 120 | Hexa | PCB-130 | 2.50 | 2.77e+06 | 1.26 y | 44:24 | - | 0.87 |
| 121 | Hexa | PCB-138/163/164 | 7.50 | 1.23e+07 | 1.22 y | 44:47 | - | 1.25 |
| 122 | Hexa | PCB-158/160 | 5.00 | 7.61e+06 | 1.22 y | 45:01 | - | 1.16 |
| 123 | Hexa | PCB-129 | 2.50 | 2.56e+06 | 1.35 y | 45:15 | - | 0.78 |
| 124 | Hexa | PCB-166 | 2.50 | 4.25e+06 | 1.20 y | 45:43 | - | 1.13 |
| 125 | Hexa | PCB-159 | 2.50 | 4.44e+06 | 1.30 y | 46:02 | - | 1.18 |
| 126 | Hexa | PCB-128/162 | 5.00 | 7.08e+06 | 1.28 y | 46:20 | - | 0.94 |
| 127 | Hexa | PCB-167 | 2.50 | 4.19e+06 | 1.24 y | 46:43 | - | 1.07 |
| 128 | Hexa | PCB-156 | 2.50 | 4.38e+06 | 1.26 y | 48:00 | - | 1.11 |
| 129 | Hexa | PCB-157 | 2.50 | 4.17e+06 | 1.28 y | 48:17 | - | 1.05 |
| 130 | Hexa | PCB-169 | 2.50 | 4.60e+06 | 1.23 y | 50:28 | - | 1.15 |
| 131 | Hepta | PCB-188 | 2.50 | 3.93e+06 | 1.08 y | 42:49 | - | 1.40 |
| 132 | Hepta | PCB-184 | 2.50 | 3.72e+06 | 1.11 y | 43:16 | - | 1.33 |
| 133 | Hepta | PCB-179 | 2.50 | 3.96e+06 | 1.02 y | 44:02 | - | 1.41 |
| 134 | Hepta | PCB-176 | 2.50 | 3.61e+06 | 1.06 y | 44:30 | - | 1.29 |
| 135 | Hepta | PCB-186 | 2.50 | 3.75e+06 | 1.04 y | 45:07 | - | 1.34 |
| 136 | Hepta | PCB-178 | 2.50 | 2.68e+06 | 1.04 y | 45:36 | - | 0.96 |
| 137 | Hepta | PCB-175 | 2.50 | 2.82e+06 | 1.10 y | 45:57 | - | 1.01 |
| 138 | Hepta | PCB-182/187 | 5.00 | 6.13e+06 | 1.01 y | 46:07 | - | 1.09 |
| 139 | Hepta | PCB-183 | 2.50 | 3.13e+06 | 1.05 y | 46:27 | - | 1.12 |
| 140 | Hepta | PCB-185 | 2.50 | 2.76e+06 | 1.09 y | 47:06 | - | 1.39 |
| 141 | Hepta | PCB-174 | 2.50 | 3.07e+06 | 1.06 y | 47:28 | - | 1.55 |
| 142 | Hepta | PCB-181 | 2.50 | 2.80e+06 | 1.01 y | 47:34 | - | 1.41 |
| 143 | Hepta | PCB-177 | 2.50 | 2.60e+06 | 1.00 y | 47:44 | - | 1.31 |
| 144 | Hepta | PCB-171 | 2.50 | 2.83e+06 | 1.03 y | 48:00 | - | 1.43 |
| 145 | Hepta | PCB-173 | 2.50 | 2.56e+06 | 1.00 y | 48:27 | - | 1.29 |
| 146 | Hepta | PCB-172 | 2.50 | 2.84e+06 | 1.06 y | 48:54 | - | 1.43 |
| 147 | Hepta | PCB-192 | 2.50 | 3.66e+06 | 1.07 y | 49:05 | - | 1.85 |
| 148 | Hepta | PCB-180 | 2.50 | 3.12e+06 | 1.01 y | 49:18 | - | 1.57 |
| 149 | Hepta | PCB-193 | 2.50 | 3.29e+06 | 1.08 y | 49:29 | - | 1.66 |
| 150 | Hepta | PCB-191 | 2.50 | 3.62e+06 | 1.02 y | 49:46 | - | 1.83 |
| 151 | Hepta | PCB-170 | 2.50 | 2.50e+06 | 1.13 y | 50:54 | - | 1.43 |
| 152 | Hepta | PCB-190 | 2.50 | 3.38e+06 | 1.02 y | 51:04 | - | 1.93 |
| 153 | Hepta | PCB-189 | 2.50 | 3.40e+06 | 1.09 y | 52:30 | - | 1.49 |
| 154 | Octa | PCB-202 | 2.50 | 2.83e+06 | 0.94 y | 48:14 | - | 1.09 |
| 155 | Octa | PCB-201 | 2.50 | 2.61e+06 | 0.87 y | 48:43 | - | 1.01 |
| 156 | Octa | PCB-204 | 2.50 | 2.79e+06 | 0.94 y | 48:52 | - | 1.08 |
| 157 | Octa | PCB-197 | 2.50 | 2.89e+06 | 0.91 y | 49:10 | - | 1.12 |
| 158 | Octa | PCB-200 | 2.50 | 2.80e+06 | 0.91 y | 50:05 | - | 1.08 |
| 159 | Octa | PCB-198 | 2.50 | 2.27e+06 | 0.94 y | 51:33 | - | 0.88 |
| 160 | Octa | PCB-199 | 2.50 | 1.98e+06 | 0.91 y | 51:40 | - | 0.77 |
| 161 | Octa | PCB-196/203 | 5.00 | 4.49e+06 | 0.88 y | 51:56 | - | 0.87 |
| 162 | Octa | PCB-195 | 2.50 | 2.32e+06 | 0.94 y | 53:11 | - | 1.04 |
| 163 | Octa | PCB-194 | 2.50 | 2.57e+06 | 0.90 y | 54:04 | - | 1.16 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 164 | Octa | PCB-205 | 2.50 | 2.99e+06 | 0.88 | y | 54:20 | - | 1.35 |
| 165 | Nona | PCB-208 | 2.50 | 2.95e+06 | 1 29 | y | 53:20 | - | 0.96 |
| 166 | Nona | PCB-207 | 2.50 | 2.77e+06 | 1.29 | y | 53:39 | - | 0.90 |
| 167 | Nona | PCB-206 | 2.50 | 2.07e+06 | 1.23 | y | 55:38 | - | 0.91 |
| 168 | Deca | PCB-209 | 2.50 | 2.23e+06 | 1.22 | y | 56:58 | - | 1.05 |
| 169 | Tot ╗ | Total Mono-PCB | 0.00 | - | - | n | - | - | 1.08 |
| 170 | Tot ╗ | Total Di-PCB | 0.00 | - | - | n | - | - | 1.06 |
| 171 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.19 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 172 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.06 |
| 173 | Tot ╗ | Total Tetra-PCB | 0.00 | - | - | n | - | - | 1.09 |
| 174 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.19 |
| 175 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.14 |
| 176 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.91 |
| 177 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 1.02 |
| 178 | Tot ╗ | Total Hepta-PCB | 0.00 | - | - | n | - | - | 1.35 |
| 179 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 0.97 |
| 180 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 1.18 |
| 181 | Tot ╗ | Total Nona-PCB | 0.00 | - | - | n | - | - | 0.92 |
| 182 | Tot ╗ | Total Deca-PCB | 2.50 | 2.23e+06 | 1.22 | y | 56:58 | - | 1.05 |
| 183 | Mono╗ | 13C-PCB-1 | 100.00 | 2.95e+08 | 3.22 | y | 16:01 | - | 1.16 |
| 184 | Mono╗ | 13C-PCB-3 | 100.00 | 3.15e+08 | 3.18 | y | 18:38 | - | 1.24 |
| 185 | Di-IS | 13C-PCB-4 | 100.00 | 1.54e+08 | 1.56 | y | 19:59 | - | 0.60 |
| 186 | Di-IS | 13C-PCB-9 | 100.00 | 2.43e+08 | 1.57 | y | 21:47 | - | 0.95 |
| 187 | Di-IS | 13C-PCB-11 | 100.00 | 2.42e+08 | 1.56 | y | 25:10 | - | 0.95 |
| 188 | Tri-╗ | 13C-PCB-19 | 100.00 | 1.60e+08 | 1.05 | y | 24:08 | - | 0.63 |
| 189 | Tri-╗ | 13C-PCB-32 | 100.00 | 2.28e+08 | 1.08 | y | 27:04 | - | 0.90 |
| 190 | Tri-╗ | 13C-PCB-28 | 100.00 | 2.21e+08 | 1.05 | y | 29:02 | - | 1.08 |
| 191 | Tri-╗ | 13C-PCB-37 | 100.00 | 2.05e+08 | 1.05 | y | 32:54 | - | 1.00 |
| 192 | Tetr╗ | 13C-PCB-54 | 100.00 | 2.12e+08 | 0.80 | y | 27:54 | - | 0.99 |
| 193 | Tetr╗ | 13C-PCB-52 | 100.00 | 1.69e+08 | 0.79 | y | 31:27 | - | 0.79 |
| 194 | Tetr╗ | 13C-PCB-47 | 100.00 | 1.85e+08 | 0.80 | y | 31:57 | - | 0.87 |
| 195 | Tetr╗ | 13C-PCB-70 | 100.00 | 2.15e+08 | 0.79 | y | 35:29 | - | 1.01 |
| 196 | Tetr╗ | 13C-PCB-80 | 100.00 | 2.14e+08 | 0.80 | y | 35:54 | - | 1.00 |
| 197 | Tetr╗ | 13C-PCB-81 | 100.00 | 2.12e+08 | 0.79 | y | 38:59 | - | 0.99 |
| 198 | Tetr╗ | 13C-PCB-77 | 100.00 | 2.01e+08 | 0.81 | y | 39:35 | - | 0.94 |
| 199 | Pent╗ | 13C-PCB-104 | 100.00 | 1.43e+08 | 1.59 | y | 32:37 | - | 1.08 |
| 200 | Pent╗ | 13C-PCB-95 | 100.00 | 1.11e+08 | 1.57 | y | 35:46 | - | 0.83 |
| 201 | Pent╗ | 13C-PCB-101 | 100.00 | 1.09e+08 | 1.59 | y | 37:28 | - | 0.82 |
| 202 | Pent╗ | 13C-PCB-97 | 100.00 | 9.44e+07 | 1.60 | y | 38:45 | - | 0.71 |
| 203 | Pent╗ | 13C-PCB-123 | 100.00 | 1.26e+08 | 1.59 | y | 41:19 | - | 0.95 |
| 204 | Pent╗ | 13C-PCB-118 | 100.00 | 1.30e+08 | 1.61 | y | 41:30 | - | 0.98 |
| 205 | Pent╗ | 13C-PCB-114 | 100.00 | 1.35e+08 | 1.60 | y | 42:09 | - | 1.23 |
| 206 | Pent╗ | 13C-PCB-105 | 100.00 | 1.30e+08 | 1.57 | y | 43:00 | - | 1.18 |
| 207 | Pent╗ | 13C-PCB-127 | 100.00 | 1.40e+08 | 1.58 | y | 43:21 | - | 1.26 |
| 208 | Pent╗ | 13C-PCB-126 | 100.00 | 1.26e+08 | 1.57 | y | 45:14 | - | 1.14 |
| 209 | Hexa╗ | 13C-PCB-155 | 100.00 | 1.14e+08 | 1.28 | y | 36:60 | - | 0.85 |
| 210 | Hexa╗ | 13C-PCB-153 | 100.00 | 1.53e+08 | 1.26 | y | 43:10 | - | 1.39 |
| 211 | Hexa╗ | 13C-PCB-141 | 100.00 | 1.27e+08 | 1.26 | y | 43:54 | - | 1.15 |
| 212 | Hexa | 13C-PCB-138 | 100.00 | 1.31e+08 | 1.26 | y | 44:45 | - | 1.19 |
| 213 | Hexa╗ | 13C-PCB-159 | 100.00 | 1.51e+08 | 1.27 | y | 46:01 | - | 1.36 |
| 214 | Hexa╗ | 13C-PCB-167 | 100.00 | 1.57e+08 | 1.27 | y | 46:43 | - | 1.42 |
| 215 | Hexa╗ | 13C-PCB-156 | 100.00 | 1.59e+08 | 1.27 | y | 47:59 | - | 1.44 |
| 216 | Hexa╗ | 13C-PCB-157 | 100.00 | 1.59e+08 | 1.28 | y | 48:15 | - | 1.44 |
| 217 | Hexa╗ | 13C-PCB-169 | 100.00 | 1.60e+08 | 1.28 | y | 50:28 | - | 1.45 |
| 218 | Hept╗ | 13C-PCB-188 | 100.00 | 1.12e+08 | 0.46 | y | 42:48 | - | 1.47 |
| 219 | Hept╗ | 13C-PCB-180 | 100.00 | 7.92e+07 | 0.46 | y | 49:17 | - | 1.04 |
| 220 | Hept╗ | 13C-PCB-170 | 100.00 | 7.01e+07 | 0.46 | y | 50:53 | - | 0.92 |
| 221 | Hept╗ | 13C-PCB-189 | 100.00 | 9.14e+07 | 0.46 | y | 52:30 | - | 1.20 |
| 222 | Octa╗ | 13C-PCB-202 | 100.00 | 1.04e+08 | 0.92 | y | 48:13 | - | 1.36 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 223 | Octa¬ | 13C-PCB-194 | 100.00 | 8.89e+07 | 0.91 y | 54:03 | - | 0.77 |
| 224 | Nona¬ | 13C-PCB-208 | 100.00 | 1.24e+08 | 0.78 y | 53:19 | - | 1.07 |
| 225 | Nona¬ | 13C-PCB-206 | 100.00 | 9.15e+07 | 0.77 y | 55:37 | - | 0.80 |
| 226 | Deca¬ | 13C-PCB-209 | 100.00 | 8.46e+07 | 1.21 y | 56:57 | - | 0.74 |
| | | | | | | | | |
| 227 | DI-RS | 13C-PCB-15 | 100.00 | 2.54e+08 | 1.56 y | 25:52 | - | 1.00 |
| 228 | Tri-¬ | 13C-PCB-31 | 100.00 | 2.04e+08 | 1.04 y | 28:55 | - | 1.00 |
| 229 | Tetr¬ | 13C-PCB-60 | 100.00 | 2.14e+08 | 0.80 y | 36:42 | - | 1.00 |
| 230 | Penta | 13C-PCB-111 | 100.00 | 1.33e+08 | 1.60 y | 39:11 | - | 1.00 |
| 231 | Hexa¬ | 13C-PCB-128 | 100.00 | 1.10e+08 | 1.25 y | 46:17 | - | 1.00 |
| 232 | Hept¬ | 13C-PCB-182 | 100.00 | 7.61e+07 | 0.46 y | 46:07 | - | 1.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 233 | Octa | 13C-PCB-205 | 100.00 | 1.15e+08 | 0.91 y | 54:19 | - | 1.00 |
| 234 | CRS | 13C-PCB-79 | 100.00 | 2.20e+08 | 0.81 y | 37:46 | - | 1.03 |
| 235 | CRS | 13C-PCB-178 | 100.00 | 7.07e+07 | 0.46 y | 45:35 | - | 0.93 |
| 236 | PS | 13C-PCB-79 | 100.00 | 2.20e+08 | 0.81 y | 37:46 | - | 1.04 |
| 237 | PS | 13C-PCB-178 | 100.00 | 7.07e+07 | 0.46 y | 45:35 | - | 0.89 |

Filename: 180208E1 S: 4 Acquired: 8-FEB-18 11:50:02
Run: 180208E1 Analyte: PCBNEW ICal: PCBVG8-2-8-18 Results:
Sample text: ST180208E1-4 PCB CS3 17L3006

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|---|---|---|---|---|---|---|---|---|
| 1 | Mono | PCB-1 | 50.00 | 1.41e+08 | 2.92 y | 16:02 | - | 1.00 |
| 2 | Mono | PCB-2 | 50.00 | 1.46e+08 | 2.95 y | 18:25 | - | 0.97 |
| 3 | Mono | PCB-3 | 50.00 | 1.47e+08 | 2.93 y | 18:39 | - | 0.98 |
| 4 | Di | PCB-4/10 | 100.00 | 1.75e+08 | 1.55 y | 20:02 | - | 1.16 |
| 5 | Di | PCB-7/9 | 100.00 | 2.12e+08 | 1.55 y | 21:49 | - | 0.91 |
| 6 | Di | PCB-6 | 50.00 | 1.14e+08 | 1.56 y | 22:28 | - | 0.98 |
| 7 | Di | PCB-5/8 | 100.00 | 2.22e+08 | 1.57 y | 22:53 | - | 0.96 |
| 8 | Di | PCB-14 | 50.00 | 1.14e+08 | 1.57 y | 23:59 | - | 0.99 |
| 9 | Di | PCB-11 | 50.00 | 1.20e+08 | 1.58 y | 25:11 | - | 1.05 |
| 10 | Di | PCB-12/13 | 100.00 | 2.21e+08 | 1.58 y | 25:34 | - | 0.96 |
| 11 | Di | PCB-15 | 50.00 | 1.15e+08 | 1.54 y | 25:53 | - | 1.00 |
| 12 | Tri | PCB-19 | 50.00 | 8.51e+07 | 1.05 y | 24:10 | - | 1.12 |
| 13 | Tri | PCB-30 | 50.00 | 1.35e+08 | 1.05 y | 25:04 | - | 1.78 |
| 14 | Tri | PCB-18 | 50.00 | 9.32e+07 | 1.05 y | 25:48 | - | 0.87 |
| 15 | Tri | PCB-17 | 50.00 | 8.51e+07 | 1.06 y | 25:59 | - | 0.80 |
| 16 | Tri | PCB-24/27 | 100.00 | 2.34e+08 | 1.06 y | 26:34 | - | 1.10 |
| 17 | Tri | PCB-16/32 | 100.00 | 2.03e+08 | 1.05 y | 27:04 | - | 0.95 |
| 18 | Tri | PCB-34 | 50.00 | 8.53e+07 | 1.08 y | 27:52 | - | 0.86 |
| 19 | Tri | PCB-23 | 50.00 | 9.58e+07 | 1.04 y | 27:57 | - | 0.96 |
| 20 | Tri | PCB-29 | 50.00 | 9.24e+07 | 1.04 y | 28:12 | - | 0.93 |
| 21 | Tri | PCB-26 | 50.00 | 9.68e+07 | 1.06 y | 28:26 | - | 0.97 |
| 22 | Tri | PCB-25 | 50.00 | 1.00e+08 | 1.06 y | 28:35 | - | 1.01 |
| 23 | Tri | PCB-31 | 50.00 | 1.09e+08 | 1.05 y | 28:57 | - | 1.10 |
| 24 | Tri | PCB-28 | 50.00 | 1.06e+08 | 1.06 y | 29:02 | - | 1.07 |
| 25 | Tri | PCB-20/21/33 | 150.00 | 2.79e+08 | 1.06 y | 29:40 | - | 0.93 |
| 26 | Tri | PCB-22 | 50.00 | 1.01e+08 | 1.06 y | 30:06 | - | 1.02 |
| 27 | Tri | PCB-36 | 50.00 | 1.07e+08 | 1.04 y | 30:43 | - | 1.08 |
| 28 | Tri | PCB-39 | 50.00 | 1.01e+08 | 1.04 y | 31:11 | - | 1.01 |
| 29 | Tri | PCB-38 | 50.00 | 1.03e+08 | 1.05 y | 31:57 | - | 1.03 |
| 30 | Tri | PCB-35 | 50.00 | 1.05e+08 | 1.06 y | 32:29 | - | 1.05 |
| 31 | Tri | PCB-37 | 50.00 | 1.03e+08 | 1.06 y | 32:55 | - | 1.04 |
| 32 | Tetra | PCB-54 | 50.00 | 9.68e+07 | 0.78 y | 27:55 | - | 1.01 |
| 33 | Tetra | PCB-50 | 50.00 | 7.95e+07 | 0.78 y | 29:06 | - | 0.83 |
| 34 | Tetra | PCB-53 | 50.00 | 7.25e+07 | 0.78 y | 29:44 | - | 0.90 |
| 35 | Tetra | PCB-51 | 50.00 | 7.81e+07 | 0.79 y | 30:05 | - | 0.96 |
| 36 | Tetra | PCB-45 | 50.00 | 6.37e+07 | 0.79 y | 30:31 | - | 0.79 |
| 37 | Tetra | PCB-46 | 50.00 | 6.22e+07 | 0.78 y | 30:59 | - | 0.77 |
| 38 | Tetra | PCB-52/69 | 100.00 | 1.86e+08 | 0.78 y | 31:29 | - | 1.15 |
| 39 | Tetra | PCB-73 | 50.00 | 1.04e+08 | 0.79 y | 31:36 | - | 1.29 |
| 40 | Tetra | PCB-43/49 | 100.00 | 1.49e+08 | 0.78 y | 31:46 | - | 0.92 |
| 41 | Tetra | PCB-47 | 50.00 | 7.05e+07 | 0.75 y | 31:57 | - | 0.81 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 42 | Tetra | PCB-48/75 | 100.00 | 1.87e+08 | 0.78 | y | 32:04 | - | 1.07 |
| 43 | Tetra | PCB-65 | 50.00 | 1.05e+08 | 0.78 | y | 32:20 | - | 1.20 |
| 44 | Tetra | PCB-62 | 50.00 | 8.83e+07 | 0.79 | y | 32:27 | - | 1.01 |
| 45 | Tetra | PCB-44 | 50.00 | 7.05e+07 | 0.78 | y | 32:45 | - | 0.81 |
| 46 | Tetra | PCB-42/59 | 100.00 | 1.64e+08 | 0.78 | y | 32:59 | - | 0.94 |
| 47 | Tetra | PCB-41/64/71/72 | 200.00 | 3.82e+08 | 0.78 | y | 33:34 | - | 1.10 |
| 48 | Tetra | PCB-68 | 50.00 | 1.03e+08 | 0.79 | y | 33:50 | - | 1.18 |
| 49 | Tetra | PCB-40 | 50.00 | 5.17e+07 | 0.79 | y | 34:02 | - | 0.59 |
| 50 | Tetra | PCB-57 | 50.00 | 1.08e+08 | 0.78 | y | 34:24 | - | 1.03 |
| 51 | Tetra | PCB-67 | 50.00 | 1.05e+08 | 0.77 | y | 34:42 | - | 1.00 |
| 52 | Tetra | PCB-58 | 50.00 | 1.08e+08 | 0.79 | y | 34:50 | - | 1.03 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 53 | Tetra | PCB-63 | 50.00 | 9.93e+07 | 0.78 y | 34:59 | - | 0.94 |
| 54 | Tetra | PCB-74 | 50.00 | 1.16e+08 | 0.78 y | 35:16 | - | 1.10 |
| 55 | Tetra | PCB-61/70 | 100.00 | 2.00e+08 | 0.78 y | 35:26 | - | 0.95 |
| 56 | Tetra | PCB-76/66 | 100.00 | 2.24e+08 | 0.78 y | 35:39 | - | 1.06 |
| 57 | Tetra | PCB-80 | 50.00 | 1.16e+08 | 0.78 y | 35:54 | - | 1.10 |
| 58 | Tetra | PCB-55 | 50.00 | 1.14e+08 | 0.78 y | 36:13 | - | 1.07 |
| 59 | Tetra | PCB-56/60 | 100.00 | 2.06e+08 | 0.78 y | 36:43 | - | 0.97 |
| 60 | Tetra | PCB-79 | 50.00 | 1.14e+08 | 0.77 y | 37:46 | - | 1.08 |
| 61 | Tetra | PCB-78 | 50.00 | 1.09e+08 | 0.78 y | 38:28 | - | 1.02 |
| 62 | Tetra | PCB-81 | 50.00 | 9.64e+07 | 0.78 y | 38:59 | - | 0.90 |
| 63 | Tetra | PCB-77 | 50.00 | 1.02e+08 | 0.78 y | 39:35 | - | 1.00 |
| 64 | Penta | PCB-104 | 50.00 | 6.58e+07 | 1.59 y | 32:37 | - | 0.99 |
| 65 | Penta | PCB-96 | 50.00 | 7.04e+07 | 1.57 y | 33:52 | - | 1.06 |
| 66 | Penta | PCB-103 | 50.00 | 5.57e+07 | 1.61 y | 34:25 | - | 0.84 |
| 67 | Penta | PCB-100 | 50.00 | 5.86e+07 | 1.60 y | 34:47 | - | 0.88 |
| 68 | Penta | PCB-94 | 50.00 | 4.46e+07 | 1.58 y | 35:15 | - | 0.84 |
| 69 | Penta | PCB-95/98/102 | 150.00 | 1.72e+08 | 1.61 y | 35:43 | - | 1.08 |
| 70 | Penta | PCB-93 | 50.00 | 4.75e+07 | 1.56 y | 35:51 | - | 0.89 |
| 71 | Penta | PCB-88/91 | 100.00 | 9.25e+07 | 1.58 y | 36:08 | - | 0.87 |
| 72 | Penta | PCB-121 | 50.00 | 8.66e+07 | 1.62 y | 36:16 | - | 1.63 |
| 73 | Penta | PCB-84/92 | 100.00 | 9.60e+07 | 1.57 y | 37:05 | - | 0.90 |
| 74 | Penta | PCB-89 | 50.00 | 5.25e+07 | 1.58 y | 37:15 | - | 0.99 |
| 75 | Penta | PCB-90/101 | 100.00 | 1.08e+08 | 1.59 y | 37:27 | - | 1.01 |
| 76 | Penta | PCB-113 | 50.00 | 7.59e+07 | 1.59 y | 37:42 | - | 1.43 |
| 77 | Penta | PCB-99 | 50.00 | 6.09e+07 | 1.59 y | 37:48 | - | 1.14 |
| 78 | Penta | PCB-119 | 50.00 | 7.60e+07 | 1.60 y | 38:15 | - | 1.63 |
| 79 | Penta | PCB-108/112 | 100.00 | 1.23e+08 | 1.60 y | 38:25 | - | 1.32 |
| 80 | Penta | PCB-83 | 50.00 | 7.49e+07 | 1.60 y | 38:34 | - | 1.61 |
| 81 | Penta | PCB-97 | 50.00 | 5.22e+07 | 1.61 y | 38:46 | - | 1.12 |
| 82 | Penta | PCB-86 | 50.00 | 4.93e+07 | 1.56 y | 38:54 | - | 1.06 |
| 83 | Penta | PCB-87/117/125 | 150.00 | 2.04e+08 | 1.59 y | 39:02 | - | 1.46 |
| 84 | Penta | PCB-111/115 | 100.00 | 1.56e+08 | 1.61 y | 39:11 | - | 1.67 |
| 85 | Penta | PCB-85/116 | 100.00 | 1.17e+08 | 1.63 y | 39:19 | - | 1.25 |
| 86 | Penta | PCB-120 | 50.00 | 8.59e+07 | 1.57 y | 39:34 | - | 1.85 |
| 87 | Penta | PCB-110 | 50.00 | 7.42e+07 | 1.60 y | 39:42 | - | 1.60 |
| 88 | Penta | PCB-82 | 50.00 | 4.66e+07 | 1.58 y | 40:20 | - | 0.73 |
| 89 | Penta | PCB-124 | 50.00 | 8.23e+07 | 1.59 y | 41:00 | - | 1.29 |
| 90 | Penta | PCB-107/109 | 100.00 | 1.49e+08 | 1.58 y | 41:08 | - | 1.17 |
| 91 | Penta | PCB-123 | 50.00 | 6.71e+07 | 1.58 y | 41:20 | - | 1.05 |
| 92 | Penta | PCB-106/118 | 100.00 | 1.48e+08 | 1.60 y | 41:31 | - | 1.10 |
| 93 | Penta | PCB-114 | 50.00 | 7.17e+07 | 1.55 y | 42:09 | - | 1.04 |
| 94 | Penta | PCB-122 | 50.00 | 6.75e+07 | 1.57 y | 42:17 | - | 0.98 |
| 95 | Penta | PCB-105 | 50.00 | 7.13e+07 | 1.60 y | 43:01 | - | 1.06 |
| 96 | Penta | PCB-127 | 50.00 | 7.61e+07 | 1.59 y | 43:21 | - | 1.03 |
| 97 | Penta | PCB-126 | 50.00 | 7.59e+07 | 1.59 y | 45:14 | - | 1.13 |
| 98 | Hexa | PCB-155 | 50.00 | 4.86e+07 | 1.29 y | 37:01 | - | 0.91 |
| 99 | Hexa | PCB-150 | 50.00 | 5.18e+07 | 1.29 y | 38:17 | - | 0.97 |
| 100 | Hexa | PCB-152 | 50.00 | 5.86e+07 | 1.29 y | 38:45 | - | 1.09 |
| 101 | Hexa | PCB-145 | 50.00 | 5.67e+07 | 1.27 y | 39:11 | - | 1.06 |
| 102 | Hexa | PCB-136 | 50.00 | 4.93e+07 | 1.29 y | 39:31 | - | 0.92 |

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|---|---|---|---|---|---|---|---|---|---|
| 103 | Hexa | PCB-148 | 50.00 | 4.08e+07 | 1.34 | y | 39:38 | - | 0.76 |
| 104 | Hexa | PCB-154 | 50.00 | 4.47e+07 | 1.27 | y | 40:07 | - | 0.83 |
| 105 | Hexa | PCB-151 | 50.00 | 3.94e+07 | 1.27 | y | 40:45 | - | 0.73 |
| 106 | Hexa | PCB-135 | 50.00 | 4.41e+07 | 1.28 | y | 40:58 | - | 0.82 |
| 107 | Hexa | PCB-144 | 50.00 | 3.89e+07 | 1.29 | y | 41:05 | - | 0.73 |
| 108 | Hexa | PCB-147 | 50.00 | 4.19e+07 | 1.30 | y | 41:12 | - | 0.78 |
| 109 | Hexa | PCB-139/149 | 100.00 | 9.02e+07 | 1.28 | y | 41:28 | - | 0.84 |
| 110 | Hexa | PCB-140 | 50.00 | 3.94e+07 | 1.30 | y | 41:39 | - | 0.73 |
| 111 | Hexa | PCB-134/143 | 100.00 | 1.10e+08 | 1.23 | y | 42:05 | - | 0.71 |
| 112 | Hexa | PCB-131/133 | 100.00 | 1.18e+08 | 1.24 | y | 42:23 | - | 0.76 |
| 113 | Hexa | PCB-142 | 50.00 | 5.31e+07 | 1.24 | y | 42:32 | - | 0.68 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 114 | Hexa | PCB-146/165 | 100.00 | 1.46e+08 | 1.25 y | 42:46 | - | 0.94 |
| 115 | Hexa | PCB-132/161 | 100.00 | 1.44e+08 | 1.25 y | 43:01 | - | 0.93 |
| 116 | Hexa | PCB-153 | 50.00 | 7.85e+07 | 1.24 y | 43:10 | - | 1.01 |
| 117 | Hexa | PCB-168 | 50.00 | 7.73e+07 | 1.24 y | 43:23 | - | 1.00 |
| 118 | Hexa | PCB-141 | 50.00 | 5.99e+07 | 1.23 y | 43:55 | - | 0.94 |
| 119 | Hexa | PCB-137 | 50.00 | 6.65e+07 | 1.25 y | 44:17 | - | 1.04 |
| 120 | Hexa | PCB-130 | 50.00 | 4.92e+07 | 1.25 y | 44:24 | - | 0.77 |
| 121 | Hexa | PCB-138/163/164 | 150.00 | 2.34e+08 | 1.24 y | 44:46 | - | 1.13 |
| 122 | Hexa | PCB-158/160 | 100.00 | 1.50e+08 | 1.25 y | 45:01 | - | 1.09 |
| 123 | Hexa | PCB-129 | 50.00 | 4.94e+07 | 1.23 y | 45:15 | - | 0.72 |
| 124 | Hexa | PCB-166 | 50.00 | 8.50e+07 | 1.23 y | 45:42 | - | 1.04 |
| 125 | Hexa | PCB-159 | 50.00 | 9.01e+07 | 1.22 y | 46:02 | - | 1.10 |
| 126 | Hexa | PCB-128/162 | 100.00 | 1.37e+08 | 1.24 y | 46:20 | - | 0.84 |
| 127 | Hexa | PCB-167 | 50.00 | 7.81e+07 | 1.23 y | 46:43 | - | 0.95 |
| 128 | Hexa | PCB-156 | 50.00 | 7.78e+07 | 1.25 y | 48:00 | - | 0.97 |
| 129 | Hexa | PCB-157 | 50.00 | 7.62e+07 | 1.23 y | 48:17 | - | 0.96 |
| 130 | Hexa | PCB-169 | 50.00 | 8.59e+07 | 1.23 y | 50:28 | - | 1.06 |
| 131 | Hepta | PCB-188 | 50.00 | 6.98e+07 | 1.03 y | 42:48 | - | 1.24 |
| 132 | Hepta | PCB-184 | 50.00 | 6.93e+07 | 1.05 y | 43:15 | - | 1.23 |
| 133 | Hepta | PCB-179 | 50.00 | 7.28e+07 | 1.06 y | 44:02 | - | 1.29 |
| 134 | Hepta | PCB-176 | 50.00 | 6.90e+07 | 1.06 y | 44:30 | - | 1.23 |
| 135 | Hepta | PCB-186 | 50.00 | 7.40e+07 | 1.03 y | 45:06 | - | 1.31 |
| 136 | Hepta | PCB-178 | 50.00 | 5.22e+07 | 1.04 y | 45:36 | - | 0.93 |
| 137 | Hepta | PCB-175 | 50.00 | 5.39e+07 | 1.06 y | 45:57 | - | 0.96 |
| 138 | Hepta | PCB-182/187 | 100.00 | 1.21e+08 | 1.05 y | 46:07 | - | 1.07 |
| 139 | Hepta | PCB-183 | 50.00 | 5.97e+07 | 1.06 y | 46:26 | - | 1.06 |
| 140 | Hepta | PCB-185 | 50.00 | 5.07e+07 | 1.06 y | 47:05 | - | 1.28 |
| 141 | Hepta | PCB-174 | 50.00 | 5.01e+07 | 1.04 y | 47:27 | - | 1.27 |
| 142 | Hepta | PCB-181 | 50.00 | 5.71e+07 | 1.05 y | 47:33 | - | 1.44 |
| 143 | Hepta | PCB-177 | 50.00 | 5.01e+07 | 1.03 y | 47:43 | - | 1.27 |
| 144 | Hepta | PCB-171 | 50.00 | 4.98e+07 | 1.05 y | 48:00 | - | 1.26 |
| 145 | Hepta | PCB-173 | 50.00 | 4.60e+07 | 1.04 y | 48:26 | - | 1.16 |
| 146 | Hepta | PCB-172 | 50.00 | 5.13e+07 | 1.03 y | 48:54 | - | 1.30 |
| 147 | Hepta | PCB-192 | 50.00 | 6.70e+07 | 1.04 y | 49:05 | - | 1.69 |
| 148 | Hepta | PCB-180 | 50.00 | 5.56e+07 | 1.04 y | 49:18 | - | 1.41 |
| 149 | Hepta | PCB-193 | 50.00 | 6.12e+07 | 1.03 y | 49:29 | - | 1.55 |
| 150 | Hepta | PCB-191 | 50.00 | 6.46e+07 | 1.05 y | 49:46 | - | 1.63 |
| 151 | Hepta | PCB-170 | 50.00 | 4.73e+07 | 1.05 y | 50:53 | - | 1.35 |
| 152 | Hepta | PCB-190 | 50.00 | 6.31e+07 | 1.05 y | 51:04 | - | 1.80 |
| 153 | Hepta | PCB-189 | 50.00 | 6.19e+07 | 1.04 y | 52:30 | - | 1.35 |
| 154 | Octa | PCB-202 | 50.00 | 5.23e+07 | 0.90 y | 48:13 | - | 1.01 |
| 155 | Octa | PCB-201 | 50.00 | 4.89e+07 | 0.95 y | 48:43 | - | 0.94 |
| 156 | Octa | PCB-204 | 50.00 | 5.12e+07 | 0.86 y | 48:52 | - | 0.99 |
| 157 | Octa | PCB-197 | 50.00 | 5.09e+07 | 0.90 y | 49:10 | - | 0.98 |
| 158 | Octa | PCB-200 | 50.00 | 4.91e+07 | 0.91 y | 50:04 | - | 0.94 |
| 159 | Octa | PCB-198 | 50.00 | 4.03e+07 | 0.91 y | 51:33 | - | 0.77 |
| 160 | Octa | PCB-199 | 50.00 | 3.67e+07 | 0.91 y | 51:40 | - | 0.71 |
| 161 | Octa | PCB-196/203 | 100.00 | 7.88e+07 | 0.90 y | 51:56 | - | 0.76 |
| 162 | Octa | PCB-195 | 50.00 | 4.26e+07 | 0.90 y | 53:11 | - | 0.98 |
| 163 | Octa | PCB-194 | 50.00 | 4.69e+07 | 0.90 y | 54:04 | - | 1.07 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 164 | Octa | PCB-205 | 50.00 | 5.50e+07 | 0.90 | y | 54:20 | - | 1.26 |
| 165 | Nona | PCB-208 | 50.00 | 5.15e+07 | 1.33 | y | 53:20 | - | 0.84 |
| 166 | Nona | PCB-207 | 50.00 | 5.06e+07 | 1.33 | y | 53:39 | - | 0.83 |
| 167 | Nona | PCB-206 | 50.00 | 3.82e+07 | 1.32 | y | 55:38 | - | 0.84 |
| 168 | Deca | PCB-209 | 50.00 | 4.06e+07 | 1.19 | y | 56:56 | - | 0.96 |
| 169 | Tot ╗ | Total Mono-PCB | 0.00 | - | - | n | - | - | 0.98 |
| 170 | Tot ╗ | Total Di-PCB | 0.00 | - | - | n | - | - | 0.98 |
| 171 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.08 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 172 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.00 |
| 173 | Tot ╗ | Total Tetra-PCB | 0.00 | - | - | n | - | - | 0.98 |
| 174 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.10 |
| 175 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.05 |
| 176 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.86 |
| 177 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.93 |
| 178 | Tot ╗ | Total Hepta-PCB | 0.00 | - | - | n | - | - | 1.26 |
| 179 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 0.87 |
| 180 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 1.10 |
| 181 | Tot ╗ | Total Nona-PCB | 0.00 | - | - | n | - | - | 0.83 |
| 182 | Tot ╗ | Total Deca-PCB | 50.00 | 4.06e+07 | 1.19 | y | 56:56 | - | 0.96 |
| 183 | Mono╗ | 13C-PCB-1 | 100.00 | 2.83e+08 | 3.19 | y | 16:01 | - | 1.17 |
| 184 | Mono╗ | 13C-PCB-3 | 100.00 | 3.01e+08 | 3.19 | y | 18:38 | - | 1.25 |
| 185 | Di-IS | 13C-PCB-4 | 100.00 | 1.50e+08 | 1.56 | y | 19:59 | - | 0.62 |
| 186 | Di-IS | 13C-PCB-9 | 100.00 | 2.32e+08 | 1.58 | y | 21:46 | - | 0.96 |
| 187 | Di-IS | 13C-PCB-11 | 100.00 | 2.29e+08 | 1.55 | y | 25:10 | - | 0.95 |
| 188 | Tri-╗ | 13C-PCB-19 | 100.00 | 1.52e+08 | 1.05 | y | 24:08 | - | 0.63 |
| 189 | Tri-╗ | 13C-PCB-32 | 100.00 | 2.14e+08 | 1.08 | y | 27:04 | - | 0.89 |
| 190 | Tri-╗ | 13C-PCB-28 | 100.00 | 1.99e+08 | 1.04 | y | 29:02 | - | 1.01 |
| 191 | Tri-╗ | 13C-PCB-37 | 100.00 | 1.99e+08 | 1.06 | y | 32:54 | - | 1.01 |
| 192 | Tetr╗ | 13C-PCB-54 | 100.00 | 1.91e+08 | 0.79 | y | 27:54 | - | 0.91 |
| 193 | Tetr╗ | 13C-PCB-52 | 100.00 | 1.62e+08 | 0.79 | y | 31:27 | - | 0.77 |
| 194 | Tetr╗ | 13C-PCB-47 | 100.00 | 1.74e+08 | 0.80 | y | 31:57 | - | 0.83 |
| 195 | Tetr╗ | 13C-PCB-70 | 100.00 | 2.11e+08 | 0.81 | y | 35:28 | - | 1.00 |
| 196 | Tetr╗ | 13C-PCB-80 | 100.00 | 2.12e+08 | 0.80 | y | 35:53 | - | 1.01 |
| 197 | Tetr╗ | 13C-PCB-81 | 100.00 | 2.13e+08 | 0.79 | y | 38:59 | - | 1.01 |
| 198 | Tetr╗ | 13C-PCB-77 | 100.00 | 2.06e+08 | 0.82 | y | 39:34 | - | 0.98 |
| 199 | Pent╗ | 13C-PCB-104 | 100.00 | 1.33e+08 | 1.61 | y | 32:36 | - | 1.01 |
| 200 | Pent╗ | 13C-PCB-95 | 100.00 | 1.06e+08 | 1.60 | y | 35:46 | - | 0.80 |
| 201 | Pent╗ | 13C-PCB-101 | 100.00 | 1.06e+08 | 1.59 | y | 37:27 | - | 0.80 |
| 202 | Pent╗ | 13C-PCB-97 | 100.00 | 9.30e+07 | 1.60 | y | 38:45 | - | 0.70 |
| 203 | Pent╗ | 13C-PCB-123 | 100.00 | 1.27e+08 | 1.59 | y | 41:18 | - | 0.96 |
| 204 | Pent╗ | 13C-PCB-118 | 100.00 | 1.34e+08 | 1.59 | y | 41:29 | - | 1.02 |
| 205 | Pent╗ | 13C-PCB-114 | 100.00 | 1.37e+08 | 1.59 | y | 42:08 | - | 1.18 |
| 206 | Pent╗ | 13C-PCB-105 | 100.00 | 1.35e+08 | 1.59 | y | 42:60 | - | 1.16 |
| 207 | Pent╗ | 13C-PCB-127 | 100.00 | 1.47e+08 | 1.57 | y | 43:20 | - | 1.26 |
| 208 | Pent╗ | 13C-PCB-126 | 100.00 | 1.35e+08 | 1.57 | y | 45:14 | - | 1.16 |
| 209 | Hexa╗ | 13C-PCB-155 | 100.00 | 1.07e+08 | 1.26 | y | 36:60 | - | 0.81 |
| 210 | Hexa╗ | 13C-PCB-153 | 100.00 | 1.55e+08 | 1.28 | y | 43:10 | - | 1.33 |
| 211 | Hexa╗ | 13C-PCB-141 | 100.00 | 1.28e+08 | 1.28 | y | 43:54 | - | 1.10 |
| 212 | Hexa | 13C-PCB-138 | 100.00 | 1.38e+08 | 1.26 | y | 44:44 | - | 1.18 |
| 213 | Hexa╗ | 13C-PCB-159 | 100.00 | 1.63e+08 | 1.27 | y | 46:01 | - | 1.40 |
| 214 | Hexa╗ | 13C-PCB-167 | 100.00 | 1.64e+08 | 1.26 | y | 46:42 | - | 1.41 |
| 215 | Hexa╗ | 13C-PCB-156 | 100.00 | 1.60e+08 | 1.27 | y | 47:59 | - | 1.38 |
| 216 | Hexa╗ | 13C-PCB-157 | 100.00 | 1.59e+08 | 1.28 | y | 48:15 | - | 1.37 |
| 217 | Hexa╗ | 13C-PCB-169 | 100.00 | 1.62e+08 | 1.27 | y | 50:28 | - | 1.39 |
| 218 | Hept╗ | 13C-PCB-188 | 100.00 | 1.13e+08 | 0.46 | y | 42:48 | - | 1.38 |
| 219 | Hept╗ | 13C-PCB-180 | 100.00 | 7.91e+07 | 0.46 | y | 49:17 | - | 0.97 |
| 220 | Hept╗ | 13C-PCB-170 | 100.00 | 7.02e+07 | 0.46 | y | 50:53 | - | 0.86 |
| 221 | Hept╗ | 13C-PCB-189 | 100.00 | 9.18e+07 | 0.45 | y | 52:29 | - | 1.13 |
| 222 | Octa╗ | 13C-PCB-202 | 100.00 | 1.04e+08 | 0.91 | y | 48:12 | - | 1.28 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 223 | Octa╗ | 13C-PCB-194 | 100.00 | 8.73e+07 | 0.90 | y | 54:03 | - | 0.76 |
| 224 | Nona╗ | 13C-PCB-208 | 100.00 | 1.23e+08 | 0.77 | y | 53:19 | - | 1.07 |
| 225 | Nona╗ | 13C-PCB-206 | 100.00 | 9.13e+07 | 0.78 | y | 55:37 | - | 0.80 |
| 226 | Deca╗ | 13C-PCB-209 | 100.00 | 8.43e+07 | 1.20 | y | 56:56 | - | 0.74 |
| 227 | DI-RS | 13C-PCB-15 | 100.00 | 2.42e+08 | 1.55 | y | 25:52 | - | 1.00 |
| 228 | Tri-╗ | 13C-PCB-31 | 100.00 | 1.98e+08 | 1.05 | y | 28:55 | - | 1.00 |
| 229 | Tetr╗ | 13C-PCB-60 | 100.00 | 2.11e+08 | 0.79 | y | 36:42 | - | 1.00 |
| 230 | Penta | 13C-PCB-111 | 100.00 | 1.32e+08 | 1.57 | y | 39:11 | - | 1.00 |
| 231 | Hexa╗ | 13C-PCB-128 | 100.00 | 1.16e+08 | 1.28 | y | 46:17 | - | 1.00 |
| 232 | Hept╗ | 13C-PCB-182 | 100.00 | 8.15e+07 | 0.46 | y | 46:07 | - | 1.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 233 | Octa[illegible] | 13C-PCB-205 | 100.00 | 1.14e+08 | 0.91 | y | 54:19 | - | 1.00 |
| 234 | CRS | 13C-PCB-79 | 100.00 | 2.17e+08 | 0.80 | y | 37:46 | - | 1.03 |
| 235 | CRS | 13C-PCB-178 | 100.00 | 7.44e+07 | 0.46 | y | 45:35 | - | 0.91 |
| 236 | PS | 13C-PCB-79 | 100.00 | 2.17e+08 | 0.80 | y | 37:46 | - | 1.02 |
| 237 | PS | 13C-PCB-178 | 100.00 | 7.44e+07 | 0.46 | y | 45:35 | - | 0.94 |

Filename: 180208E1 S: 5 Acquired: 8-FEB-18 12:55:10
Run: 180208E1 Analyte: PCBNEW ICal: PCBVG8-2-8-18 Results:
Sample text: ST180208E1-5 PCB CS4 17L3007

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|---|---|---|---|---|---|---|---|---|
| 1 | Mono | PCB-1 | 400.00 | 1.06e+09 | 3.00 y | 16:00 | - | 1.05 |
| 2 | Mono | PCB-2 | 400.00 | 1.12e+09 | 3.01 y | 18:24 | - | 1.02 |
| 3 | Mono | PCB-3 | 400.00 | 1.12e+09 | 3.00 y | 18:38 | - | 1.02 |
| 4 | Di | PCB-4/10 | 800.00 | 1.29e+09 | 1.54 y | 20:01 | - | 1.20 |
| 5 | Di | PCB-7/9 | 800.00 | 1.64e+09 | 1.55 y | 21:49 | - | 0.95 |
| 6 | Di | PCB-6 | 400.00 | 8.81e+08 | 1.55 y | 22:28 | - | 1.02 |
| 7 | Di | PCB-5/8 | 800.00 | 1.73e+09 | 1.56 y | 22:52 | - | 1.00 |
| 8 | Di | PCB-14 | 400.00 | 8.84e+08 | 1.56 y | 23:58 | - | 1.00 |
| 9 | Di | PCB-11 | 400.00 | 9.38e+08 | 1.56 y | 25:10 | - | 1.06 |
| 10 | Di | PCB-12/13 | 800.00 | 1.76e+09 | 1.55 y | 25:34 | - | 0.99 |
| 11 | Di | PCB-15 | 400.00 | 9.16e+08 | 1.53 y | 25:53 | - | 1.03 |
| 12 | Tri | PCB-19 | 400.00 | 6.92e+08 | 1.05 y | 24:09 | - | 1.15 |
| 13 | Tri | PCB-30 | 400.00 | 1.11e+09 | 1.05 y | 25:03 | - | 1.85 |
| 14 | Tri | PCB-18 | 400.00 | 7.73e+08 | 1.05 y | 25:48 | - | 0.85 |
| 15 | Tri | PCB-17 | 400.00 | 7.14e+08 | 1.04 y | 25:59 | - | 0.79 |
| 16 | Tri | PCB-24/27 | 800.00 | 2.01e+09 | 1.05 y | 26:34 | - | 1.11 |
| 17 | Tri | PCB-16/32 | 800.00 | 1.75e+09 | 1.05 y | 27:04 | - | 0.96 |
| 18 | Tri | PCB-34 | 400.00 | 6.97e+08 | 1.03 y | 27:52 | - | 0.84 |
| 19 | Tri | PCB-23 | 400.00 | 7.68e+08 | 1.08 y | 27:57 | - | 0.93 |
| 20 | Tri | PCB-29 | 400.00 | 7.41e+08 | 1.05 y | 28:12 | - | 0.90 |
| 21 | Tri | PCB-26 | 400.00 | 8.02e+08 | 1.06 y | 28:26 | - | 0.97 |
| 22 | Tri | PCB-25 | 400.00 | 8.41e+08 | 1.05 y | 28:35 | - | 1.02 |
| 23 | Tri | PCB-31 | 400.00 | 9.14e+08 | 1.05 y | 28:56 | - | 1.11 |
| 24 | Tri | PCB-28 | 400.00 | 9.09e+08 | 1.06 y | 29:02 | - | 1.10 |
| 25 | Tri | PCB-20/21/33 | 1200.00 | 2.44e+09 | 1.05 y | 29:40 | - | 0.98 |
| 26 | Tri | PCB-22 | 400.00 | 8.82e+08 | 1.05 y | 30:06 | - | 1.07 |
| 27 | Tri | PCB-36 | 400.00 | 9.01e+08 | 1.05 y | 30:43 | - | 1.08 |
| 28 | Tri | PCB-39 | 400.00 | 8.37e+08 | 1.06 y | 31:11 | - | 1.00 |
| 29 | Tri | PCB-38 | 400.00 | 8.81e+08 | 1.04 y | 31:57 | - | 1.06 |
| 30 | Tri | PCB-35 | 400.00 | 9.16e+08 | 1.05 y | 32:29 | - | 1.10 |
| 31 | Tri | PCB-37 | 400.00 | 8.86e+08 | 1.05 y | 32:55 | - | 1.06 |
| 32 | Tetra | PCB-54 | 400.00 | 8.28e+08 | 0.78 y | 27:55 | - | 1.03 |
| 33 | Tetra | PCB-50 | 400.00 | 7.17e+08 | 0.78 y | 29:06 | - | 0.89 |
| 34 | Tetra | PCB-53 | 400.00 | 6.74e+08 | 0.78 y | 29:44 | - | 0.97 |
| 35 | Tetra | PCB-51 | 400.00 | 7.22e+08 | 0.77 y | 30:05 | - | 1.04 |
| 36 | Tetra | PCB-45 | 400.00 | 5.75e+08 | 0.78 y | 30:31 | - | 0.83 |
| 37 | Tetra | PCB-46 | 400.00 | 5.51e+08 | 0.78 y | 31:00 | - | 0.79 |
| 38 | Tetra | PCB-52/69 | 800.00 | 1.66e+09 | 0.77 y | 31:29 | - | 1.19 |
| 39 | Tetra | PCB-73 | 400.00 | 9.41e+08 | 0.79 y | 31:36 | - | 1.36 |
| 40 | Tetra | PCB-43/49 | 800.00 | 1.35e+09 | 0.78 y | 31:46 | - | 0.98 |
| 41 | Tetra | PCB-47 | 400.00 | 6.36e+08 | 0.77 y | 31:58 | - | 0.83 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 42 | Tetra | PCB-48/75 | 800.00 | 1.69e+09 | 0.78 y | 32:05 | - | 1.10 |
| 43 | Tetra | PCB-65 | 400.00 | 9.31e+08 | 0.78 y | 32:21 | - | 1.22 |
| 44 | Tetra | PCB-62 | 400.00 | 8.02e+08 | 0.79 y | 32:27 | - | 1.05 |
| 45 | Tetra | PCB-44 | 400.00 | 6.38e+08 | 0.77 y | 32:46 | - | 0.84 |
| 46 | Tetra | PCB-42/59 | 800.00 | 1.53e+09 | 0.78 y | 32:59 | - | 1.00 |
| 47 | Tetra | PCB-41/64/71/72 | 1600.00 | 3.54e+09 | 0.78 y | 33:35 | - | 1.16 |
| 48 | Tetra | PCB-68 | 400.00 | 9.39e+08 | 0.77 y | 33:50 | - | 1.23 |
| 49 | Tetra | PCB-40 | 400.00 | 4.66e+08 | 0.78 y | 34:03 | - | 0.61 |
| 50 | Tetra | PCB-57 | 400.00 | 9.99e+08 | 0.78 y | 34:25 | - | 1.06 |
| 51 | Tetra | PCB-67 | 400.00 | 9.81e+08 | 0.77 y | 34:43 | - | 1.04 |
| 52 | Tetra | PCB-58 | 400.00 | 1.01e+09 | 0.79 y | 34:50 | - | 1.08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 53 | Tetra | PCB-63 | 400.00 | 9.01e+08 | 0.78 y | 34:59 | - | 0.96 |
| 54 | Tetra | PCB-74 | 400.00 | 1.06e+09 | 0.78 y | 35:16 | - | 1.12 |
| 55 | Tetra | PCB-61/70 | 800.00 | 1.83e+09 | 0.78 y | 35:26 | - | 0.97 |
| 56 | Tetra | PCB-76/66 | 800.00 | 2.04e+09 | 0.78 y | 35:40 | - | 1.08 |
| 57 | Tetra | PCB-80 | 400.00 | 1.06e+09 | 0.78 y | 35:54 | - | 1.12 |
| 58 | Tetra | PCB-55 | 400.00 | 1.06e+09 | 0.77 y | 36:13 | - | 1.12 |
| 59 | Tetra | PCB-56/60 | 800.00 | 1.87e+09 | 0.77 y | 36:42 | - | 0.99 |
| 60 | Tetra | PCB-79 | 400.00 | 1.04e+09 | 0.79 y | 37:47 | - | 1.10 |
| 61 | Tetra | PCB-78 | 400.00 | 1.01e+09 | 0.77 y | 38:28 | - | 1.05 |
| 62 | Tetra | PCB-81 | 400.00 | 8.99e+08 | 0.78 y | 38:60 | - | 0.94 |
| 63 | Tetra | PCB-77 | 400.00 | 9.51e+08 | 0.78 y | 39:35 | - | 1.03 |
| 64 | Penta | PCB-104 | 400.00 | 6.19e+08 | 1.59 y | 32:37 | - | 1.02 |
| 65 | Penta | PCB-96 | 400.00 | 6.88e+08 | 1.59 y | 33:52 | - | 1.13 |
| 66 | Penta | PCB-103 | 400.00 | 5.49e+08 | 1.60 y | 34:25 | - | 0.90 |
| 67 | Penta | PCB-100 | 400.00 | 5.67e+08 | 1.59 y | 34:47 | - | 0.93 |
| 68 | Penta | PCB-94 | 400.00 | 4.39e+08 | 1.58 y | 35:15 | - | 0.89 |
| 69 | Penta | PCB-95/98/102 | 1200.00 | 1.70e+09 | 1.60 y | 35:43 | - | 1.15 |
| 70 | Penta | PCB-93 | 400.00 | 4.28e+08 | 1.58 y | 35:51 | - | 0.87 |
| 71 | Penta | PCB-88/91 | 800.00 | 9.09e+08 | 1.57 y | 36:08 | - | 0.92 |
| 72 | Penta | PCB-121 | 400.00 | 8.47e+08 | 1.61 y | 36:15 | - | 1.72 |
| 73 | Penta | PCB-84/92 | 800.00 | 9.42e+08 | 1.59 y | 37:05 | - | 0.95 |
| 74 | Penta | PCB-89 | 400.00 | 5.13e+08 | 1.60 y | 37:15 | - | 1.04 |
| 75 | Penta | PCB-90/101 | 800.00 | 1.04e+09 | 1.59 y | 37:27 | - | 1.06 |
| 76 | Penta | PCB-113 | 400.00 | 6.79e+08 | 1.56 y | 37:42 | - | 1.38 |
| 77 | Penta | PCB-99 | 400.00 | 6.44e+08 | 1.62 y | 37:47 | - | 1.31 |
| 78 | Penta | PCB-119 | 400.00 | 7.33e+08 | 1.59 y | 38:14 | - | 1.67 |
| 79 | Penta | PCB-108/112 | 800.00 | 1.15e+09 | 1.59 y | 38:24 | - | 1.31 |
| 80 | Penta | PCB-83 | 400.00 | 7.46e+08 | 1.59 y | 38:34 | - | 1.71 |
| 81 | Penta | PCB-97 | 400.00 | 4.96e+08 | 1.58 y | 38:45 | - | 1.13 |
| 82 | Penta | PCB-86 | 400.00 | 4.68e+08 | 1.53 y | 38:54 | - | 1.07 |
| 83 | Penta | PCB-87/117/125 | 1200.00 | 1.96e+09 | 1.59 y | 39:02 | - | 1.49 |
| 84 | Penta | PCB-111/115 | 800.00 | 1.52e+09 | 1.59 y | 39:11 | - | 1.74 |
| 85 | Penta | PCB-85/116 | 800.00 | 1.11e+09 | 1.61 y | 39:18 | - | 1.26 |
| 86 | Penta | PCB-120 | 400.00 | 8.34e+08 | 1.57 y | 39:34 | - | 1.91 |
| 87 | Penta | PCB-110 | 400.00 | 7.15e+08 | 1.59 y | 39:42 | - | 1.63 |
| 88 | Penta | PCB-82 | 400.00 | 4.53e+08 | 1.59 y | 40:20 | - | 0.76 |
| 89 | Penta | PCB-124 | 400.00 | 7.17e+08 | 1.57 y | 41:00 | - | 1.20 |
| 90 | Penta | PCB-107/109 | 800.00 | 1.54e+09 | 1.59 y | 41:08 | - | 1.28 |
| 91 | Penta | PCB-123 | 400.00 | 6.35e+08 | 1.58 y | 41:19 | - | 1.06 |
| 92 | Penta | PCB-106/118 | 800.00 | 1.48e+09 | 1.59 y | 41:31 | - | 1.16 |
| 93 | Penta | PCB-114 | 400.00 | 6.40e+08 | 1.55 y | 42:09 | - | 1.08 |
| 94 | Penta | PCB-122 | 400.00 | 5.89e+08 | 1.58 y | 42:17 | - | 0.99 |
| 95 | Penta | PCB-105 | 400.00 | 6.29e+08 | 1.58 y | 43:01 | - | 1.09 |
| 96 | Penta | PCB-127 | 400.00 | 6.70e+08 | 1.59 y | 43:20 | - | 1.08 |
| 97 | Penta | PCB-126 | 400.00 | 6.84e+08 | 1.59 y | 45:14 | - | 1.18 |
| 98 | Hexa | PCB-155 | 400.00 | 4.84e+08 | 1.28 y | 37:01 | - | 0.95 |
| 99 | Hexa | PCB-150 | 400.00 | 5.15e+08 | 1.29 y | 38:16 | - | 1.01 |
| 100 | Hexa | PCB-152 | 400.00 | 5.82e+08 | 1.29 y | 38:45 | - | 1.14 |
| 101 | Hexa | PCB-145 | 400.00 | 5.70e+08 | 1.30 y | 39:11 | - | 1.11 |
| 102 | Hexa | PCB-136 | 400.00 | 5.04e+08 | 1.28 y | 39:31 | - | 0.98 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 103 | Hexa | PCB-148 | 400.00 | 4.03e+08 | 1.29 y | 39:37 | - | 0.79 |
| 104 | Hexa | PCB-154 | 400.00 | 4.43e+08 | 1.29 y | 40:07 | - | 0.87 |
| 105 | Hexa | PCB-151 | 400.00 | 3.89e+08 | 1.29 y | 40:45 | - | 0.76 |
| 106 | Hexa | PCB-135 | 400.00 | 4.48e+08 | 1.28 y | 40:58 | - | 0.87 |
| 107 | Hexa | PCB-144 | 400.00 | 3.83e+08 | 1.30 y | 41:05 | - | 0.75 |
| 108 | Hexa | PCB-147 | 400.00 | 4.15e+08 | 1.29 y | 41:12 | - | 0.81 |
| 109 | Hexa | PCB-139/149 | 800.00 | 9.15e+08 | 1.28 y | 41:28 | - | 0.89 |
| 110 | Hexa | PCB-140 | 400.00 | 3.90e+08 | 1.25 y | 41:39 | - | 0.76 |
| 111 | Hexa | PCB-134/143 | 800.00 | 1.02e+09 | 1.24 y | 42:05 | - | 0.75 |
| 112 | Hexa | PCB-131/133 | 800.00 | 1.09e+09 | 1.25 y | 42:23 | - | 0.80 |
| 113 | Hexa | PCB-142 | 400.00 | 4.85e+08 | 1.24 y | 42:32 | - | 0.71 |

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|---|---|---|---|---|---|---|---|---|
| 114 | Hexa | PCB-146/165 | 800.00 | 1.37e+09 | 1.23 y | 42:46 | - | 0.99 |
| 115 | Hexa | PCB-132/161 | 800.00 | 1.35e+09 | 1.23 y | 43:00 | - | 0.98 |
| 116 | Hexa | PCB-153 | 400.00 | 7.14e+08 | 1.24 y | 43:10 | - | 1.04 |
| 117 | Hexa | PCB-168 | 400.00 | 7.18e+08 | 1.23 y | 43:23 | - | 1.05 |
| 118 | Hexa | PCB-141 | 400.00 | 5.60e+08 | 1.24 y | 43:55 | - | 0.98 |
| 119 | Hexa | PCB-137 | 400.00 | 6.04e+08 | 1.22 y | 44:17 | - | 1.06 |
| 120 | Hexa | PCB-130 | 400.00 | 4.55e+08 | 1.25 y | 44:24 | - | 0.80 |
| 121 | Hexa | PCB-138/163/164 | 1200.00 | 2.20e+09 | 1.24 y | 44:46 | - | 1.20 |
| 122 | Hexa | PCB-158/160 | 800.00 | 1.41e+09 | 1.24 y | 45:01 | - | 1.15 |
| 123 | Hexa | PCB-129 | 400.00 | 4.58e+08 | 1.24 y | 45:15 | - | 0.75 |
| 124 | Hexa | PCB-166 | 400.00 | 7.89e+08 | 1.22 y | 45:42 | - | 1.09 |
| 125 | Hexa | PCB-159 | 400.00 | 8.37e+08 | 1.22 y | 46:02 | - | 1.16 |
| 126 | Hexa | PCB-128/162 | 800.00 | 1.26e+09 | 1.22 y | 46:19 | - | 0.87 |
| 127 | Hexa | PCB-167 | 400.00 | 7.28e+08 | 1.23 y | 46:43 | - | 1.00 |
| 128 | Hexa | PCB-156 | 400.00 | 7.24e+08 | 1.22 y | 48:00 | - | 1.00 |
| 129 | Hexa | PCB-157 | 400.00 | 6.99e+08 | 1.23 y | 48:17 | - | 0.98 |
| 130 | Hexa | PCB-169 | 400.00 | 7.79e+08 | 1.24 y | 50:28 | - | 1.10 |
| 131 | Hepta | PCB-188 | 400.00 | 6.79e+08 | 1.04 y | 42:49 | - | 1.31 |
| 132 | Hepta | PCB-184 | 400.00 | 6.67e+08 | 1.05 y | 43:16 | - | 1.28 |
| 133 | Hepta | PCB-179 | 400.00 | 6.93e+08 | 1.06 y | 44:02 | - | 1.33 |
| 134 | Hepta | PCB-176 | 400.00 | 6.48e+08 | 1.05 y | 44:30 | - | 1.25 |
| 135 | Hepta | PCB-186 | 400.00 | 7.15e+08 | 1.04 y | 45:06 | - | 1.37 |
| 136 | Hepta | PCB-178 | 400.00 | 4.89e+08 | 1.04 y | 45:36 | - | 0.94 |
| 137 | Hepta | PCB-175 | 400.00 | 5.13e+08 | 1.05 y | 45:57 | - | 0.99 |
| 138 | Hepta | PCB-182/187 | 800.00 | 1.15e+09 | 1.05 y | 46:07 | - | 1.11 |
| 139 | Hepta | PCB-183 | 400.00 | 5.58e+08 | 1.05 y | 46:26 | - | 1.07 |
| 140 | Hepta | PCB-185 | 400.00 | 4.78e+08 | 1.04 y | 47:05 | - | 1.34 |
| 141 | Hepta | PCB-174 | 400.00 | 4.84e+08 | 1.03 y | 47:27 | - | 1.36 |
| 142 | Hepta | PCB-181 | 400.00 | 5.30e+08 | 1.04 y | 47:34 | - | 1.49 |
| 143 | Hepta | PCB-177 | 400.00 | 4.67e+08 | 1.05 y | 47:44 | - | 1.31 |
| 144 | Hepta | PCB-171 | 400.00 | 4.77e+08 | 1.05 y | 48:01 | - | 1.34 |
| 145 | Hepta | PCB-173 | 400.00 | 4.36e+08 | 1.04 y | 48:27 | - | 1.23 |
| 146 | Hepta | PCB-172 | 400.00 | 4.92e+08 | 1.04 y | 48:54 | - | 1.39 |
| 147 | Hepta | PCB-192 | 400.00 | 6.47e+08 | 1.05 y | 49:05 | - | 1.82 |
| 148 | Hepta | PCB-180 | 400.00 | 5.30e+08 | 1.03 y | 49:18 | - | 1.49 |
| 149 | Hepta | PCB-193 | 400.00 | 5.83e+08 | 1.04 y | 49:30 | - | 1.64 |
| 150 | Hepta | PCB-191 | 400.00 | 6.08e+08 | 1.06 y | 49:45 | - | 1.71 |
| 151 | Hepta | PCB-170 | 400.00 | 4.35e+08 | 1.04 y | 50:53 | - | 1.42 |
| 152 | Hepta | PCB-190 | 400.00 | 5.93e+08 | 1.04 y | 51:04 | - | 1.94 |
| 153 | Hepta | PCB-189 | 400.00 | 5.83e+08 | 1.05 y | 52:30 | - | 1.38 |
| 154 | Octa | PCB-202 | 400.00 | 5.05e+08 | 0.91 y | 48:13 | - | 1.05 |
| 155 | Octa | PCB-201 | 400.00 | 4.57e+08 | 0.90 y | 48:42 | - | 0.95 |
| 156 | Octa | PCB-204 | 400.00 | 5.09e+08 | 0.91 y | 48:51 | - | 1.06 |
| 157 | Octa | PCB-197 | 400.00 | 4.94e+08 | 0.90 y | 49:10 | - | 1.03 |
| 158 | Octa | PCB-200 | 400.00 | 4.73e+08 | 0.90 y | 50:04 | - | 0.99 |
| 159 | Octa | PCB-198 | 400.00 | 3.68e+08 | 0.90 y | 51:32 | - | 0.77 |
| 160 | Octa | PCB-199 | 400.00 | 3.73e+08 | 0.91 y | 51:39 | - | 0.78 |
| 161 | Octa | PCB-196/203 | 800.00 | 7.77e+08 | 0.90 y | 51:56 | - | 0.81 |
| 162 | Octa | PCB-195 | 400.00 | 3.64e+08 | 0.90 y | 53:10 | - | 1.01 |
| 163 | Octa | PCB-194 | 400.00 | 4.02e+08 | 0.90 y | 54:04 | - | 1.11 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 164 | Octa | PCB-205 | 400.00 | 4.72e+08 | 0.90 | y | 54:20 | - | 1.30 |
| 165 | Nona | PCB-208 | 400.00 | 4.60e+08 | 1.32 | y | 53:19 | - | 0.88 |
| 166 | Nona | PCB-207 | 400.00 | 4.60e+08 | 1.32 | y | 53:38 | - | 0.88 |
| 167 | Nona | PCB-206 | 400.00 | 3.34e+08 | 1.31 | y | 55:37 | - | 0.86 |
| 168 | Deca | PCB-209 | 400.00 | 3.68e+08 | 1.19 | y | 56:57 | - | 1.02 |
| 169 | Tot ╗ | Total Mono-PCB | 0.00 | - | - | n | - | - | 1.03 |
| 170 | Tot ╗ | Total Di-PCB | 0.00 | - | - | n | - | - | 1.00 |
| 171 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 172 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.01 |
| 173 | Tot ╗ | Total Tetra-PCB | 0.00 | - | - | n | - | - | 1.03 |
| 174 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.15 |
| 175 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.09 |
| 176 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.90 |
| 177 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.97 |
| 178 | Tot ╗ | Total Hepta-PCB | 0.00 | - | - | n | - | - | 1.31 |
| 179 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 0.92 |
| 180 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 1.14 |
| 181 | Tot ╗ | Total Nona-PCB | 0.00 | - | - | n | - | - | 0.87 |
| 182 | Tot ╗ | Total Deca-PCB | 400.00 | 3.68e+08 | 1.19 | y | 56:57 | - | 1.02 |
| 183 | Mono╗ | 13C-PCB-1 | 100.00 | 2.53e+08 | 3.18 | y | 15:59 | - | 1.07 |
| 184 | Mono╗ | 13C-PCB-3 | 100.00 | 2.75e+08 | 3.16 | y | 18:37 | - | 1.17 |
| 185 | Di-IS | 13C-PCB-4 | 100.00 | 1.35e+08 | 1.58 | y | 19:58 | - | 0.57 |
| 186 | Di-IS | 13C-PCB-9 | 100.00 | 2.15e+08 | 1.55 | y | 21:46 | - | 0.91 |
| 187 | Di-IS | 13C-PCB-11 | 100.00 | 2.22e+08 | 1.56 | y | 25:10 | - | 0.94 |
| 188 | Tri-╗ | 13C-PCB-19 | 100.00 | 1.50e+08 | 1.06 | y | 24:08 | - | 0.64 |
| 189 | Tri-╗ | 13C-PCB-32 | 100.00 | 2.26e+08 | 1.07 | y | 27:04 | - | 0.96 |
| 190 | Tri-╗ | 13C-PCB-28 | 100.00 | 2.07e+08 | 1.05 | y | 29:02 | - | 1.03 |
| 191 | Tri-╗ | 13C-PCB-37 | 100.00 | 2.08e+08 | 1.05 | y | 32:54 | - | 1.04 |
| 192 | Tetr╗ | 13C-PCB-54 | 100.00 | 2.01e+08 | 0.81 | y | 27:54 | - | 0.86 |
| 193 | Tetr╗ | 13C-PCB-52 | 100.00 | 1.73e+08 | 0.79 | y | 31:27 | - | 0.74 |
| 194 | Tetr╗ | 13C-PCB-47 | 100.00 | 1.91e+08 | 0.79 | y | 31:57 | - | 0.82 |
| 195 | Tetr╗ | 13C-PCB-70 | 100.00 | 2.36e+08 | 0.80 | y | 35:27 | - | 1.01 |
| 196 | Tetr╗ | 13C-PCB-80 | 100.00 | 2.36e+08 | 0.79 | y | 35:53 | - | 1.01 |
| 197 | Tetr╗ | 13C-PCB-81 | 100.00 | 2.40e+08 | 0.79 | y | 38:59 | - | 1.02 |
| 198 | Tetr╗ | 13C-PCB-77 | 100.00 | 2.31e+08 | 0.81 | y | 39:34 | - | 0.99 |
| 199 | Pent╗ | 13C-PCB-104 | 100.00 | 1.52e+08 | 1.59 | y | 32:36 | - | 0.97 |
| 200 | Pent╗ | 13C-PCB-95 | 100.00 | 1.23e+08 | 1.58 | y | 35:46 | - | 0.79 |
| 201 | Pent╗ | 13C-PCB-101 | 100.00 | 1.23e+08 | 1.62 | y | 37:27 | - | 0.79 |
| 202 | Pent╗ | 13C-PCB-97 | 100.00 | 1.09e+08 | 1.59 | y | 38:45 | - | 0.70 |
| 203 | Pent╗ | 13C-PCB-123 | 100.00 | 1.49e+08 | 1.58 | y | 41:18 | - | 0.95 |
| 204 | Pent╗ | 13C-PCB-118 | 100.00 | 1.58e+08 | 1.58 | y | 41:29 | - | 1.01 |
| 205 | Pent╗ | 13C-PCB-114 | 100.00 | 1.48e+08 | 1.59 | y | 42:08 | - | 1.14 |
| 206 | Pent╗ | 13C-PCB-105 | 100.00 | 1.44e+08 | 1.56 | y | 42:60 | - | 1.11 |
| 207 | Pent╗ | 13C-PCB-127 | 100.00 | 1.55e+08 | 1.59 | y | 43:20 | - | 1.20 |
| 208 | Pent╗ | 13C-PCB-126 | 100.00 | 1.44e+08 | 1.56 | y | 45:14 | - | 1.11 |
| 209 | Hexa╗ | 13C-PCB-155 | 100.00 | 1.28e+08 | 1.26 | y | 36:59 | - | 0.82 |
| 210 | Hexa╗ | 13C-PCB-153 | 100.00 | 1.72e+08 | 1.26 | y | 43:10 | - | 1.32 |
| 211 | Hexa╗ | 13C-PCB-141 | 100.00 | 1.42e+08 | 1.27 | y | 43:54 | - | 1.10 |
| 212 | Hexa | 13C-PCB-138 | 100.00 | 1.53e+08 | 1.26 | y | 44:44 | - | 1.18 |
| 213 | Hexa╗ | 13C-PCB-159 | 100.00 | 1.81e+08 | 1.27 | y | 46:01 | - | 1.40 |
| 214 | Hexa╗ | 13C-PCB-167 | 100.00 | 1.81e+08 | 1.26 | y | 46:42 | - | 1.40 |
| 215 | Hexa╗ | 13C-PCB-156 | 100.00 | 1.82e+08 | 1.29 | y | 47:59 | - | 1.40 |
| 216 | Hexa╗ | 13C-PCB-157 | 100.00 | 1.78e+08 | 1.29 | y | 48:15 | - | 1.37 |
| 217 | Hexa╗ | 13C-PCB-169 | 100.00 | 1.77e+08 | 1.26 | y | 50:27 | - | 1.37 |
| 218 | Hept╗ | 13C-PCB-188 | 100.00 | 1.30e+08 | 0.46 | y | 42:48 | - | 1.41 |
| 219 | Hept╗ | 13C-PCB-180 | 100.00 | 8.88e+07 | 0.47 | y | 49:17 | - | 0.97 |
| 220 | Hept╗ | 13C-PCB-170 | 100.00 | 7.64e+07 | 0.45 | y | 50:52 | - | 0.83 |
| 221 | Hept╗ | 13C-PCB-189 | 100.00 | 1.06e+08 | 0.47 | y | 52:29 | - | 1.15 |
| 222 | Octa╗ | 13C-PCB-202 | 100.00 | 1.20e+08 | 0.91 | y | 48:12 | - | 1.30 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 223 | Octa╗ | 13C-PCB-194 | 100.00 | 9.06e+07 | 0.90 | y | 54:03 | - | 0.77 |
| 224 | Nona╗ | 13C-PCB-208 | 100.00 | 1.31e+08 | 0.77 | y | 53:18 | - | 1.11 |
| 225 | Nona╗ | 13C-PCB-206 | 100.00 | 9.72e+07 | 0.77 | y | 55:36 | - | 0.82 |
| 226 | Deca╗ | 13C-PCB-209 | 100.00 | 8.99e+07 | 1.21 | y | 56:56 | - | 0.76 |
| 227 | DI-RS | 13C-PCB-15 | 100.00 | 2.36e+08 | 1.55 | y | 25:52 | - | 1.00 |
| 228 | Tri-╗ | 13C-PCB-31 | 100.00 | 2.01e+08 | 1.04 | y | 28:55 | - | 1.00 |
| 229 | Tetr╗ | 13C-PCB-60 | 100.00 | 2.34e+08 | 0.80 | y | 36:42 | - | 1.00 |
| 230 | Penta | 13C-PCB-111 | 100.00 | 1.57e+08 | 1.58 | y | 39:11 | - | 1.00 |
| 231 | Hexa╗ | 13C-PCB-128 | 100.00 | 1.30e+08 | 1.25 | y | 46:17 | - | 1.00 |
| 232 | Hept╗ | 13C-PCB-182 | 100.00 | 9.20e+07 | 0.46 | y | 46:07 | - | 1.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 233 | Octa | 13C-PCB-205 | 100.00 | 1.18e+08 | 0.90 | y | 54:19 | - | 1.00 |
| 234 | CRS | 13C-PCB-79 | 100.00 | 2.43e+08 | 0.79 | y | 37:46 | - | 1.04 |
| 235 | CRS | 13C-PCB-178 | 100.00 | 8.69e+07 | 0.46 | y | 45:35 | - | 0.94 |
| 236 | PS | 13C-PCB-79 | 100.00 | 2.43e+08 | 0.79 | y | 37:46 | - | 1.01 |
| 237 | PS | 13C-PCB-178 | 100.00 | 8.69e+07 | 0.46 | y | 45:35 | - | 0.98 |

Filename: 180208E1 S: 6 Acquired: 8-FEB-18 14:00:18
Run: 180208E1 Analyte: PCBNEW ICal: PCBVG8-2-8-18 Results:
Sample text: ST180208E1-6 PCB CS5 17L3008

| | Typ | Name | Amount | Resp | RA | RT | RF | RRF |
|---|---|---|---|---|---|---|---|---|
| 1 | Mono | PCB-1 | 1000.00 | 2.61e+09 | 2.96 y | 16:01 | - | 1.01 |
| 2 | Mono | PCB-2 | 1000.00 | 2.74e+09 | 2.99 y | 18:25 | - | 1.00 |
| 3 | Mono | PCB-3 | 1000.00 | 2.70e+09 | 2.97 y | 18:39 | - | 0.99 |
| 4 | Di | PCB-4/10 | 2000.00 | 3.04e+09 | 1.55 y | 20:01 | - | 1.15 |
| 5 | Di | PCB-7/9 | 2000.00 | 3.76e+09 | 1.55 y | 21:49 | - | 0.92 |
| 6 | Di | PCB-6 | 1000.00 | 2.02e+09 | 1.56 y | 22:28 | - | 0.99 |
| 7 | Di | PCB-5/8 | 2000.00 | 3.91e+09 | 1.55 y | 22:52 | - | 0.96 |
| 8 | Di | PCB-14 | 1000.00 | 1.98e+09 | 1.55 y | 23:58 | - | 0.98 |
| 9 | Di | PCB-11 | 1000.00 | 2.10e+09 | 1.56 y | 25:10 | - | 1.04 |
| 10 | Di | PCB-12/13 | 2000.00 | 3.91e+09 | 1.55 y | 25:34 | - | 0.97 |
| 11 | Di | PCB-15 | 1000.00 | 2.00e+09 | 1.53 y | 25:53 | - | 0.99 |
| 12 | Tri | PCB-19 | 1000.00 | 1.52e+09 | 1.04 y | 24:09 | - | 1.13 |
| 13 | Tri | PCB-30 | 1000.00 | 2.45e+09 | 1.05 y | 25:03 | - | 1.82 |
| 14 | Tri | PCB-18 | 1000.00 | 1.68e+09 | 1.05 y | 25:48 | - | 0.86 |
| 15 | Tri | PCB-17 | 1000.00 | 1.55e+09 | 1.05 y | 25:59 | - | 0.80 |
| 16 | Tri | PCB-24/27 | 2000.00 | 4.32e+09 | 1.05 y | 26:33 | - | 1.11 |
| 17 | Tri | PCB-16/32 | 2000.00 | 3.69e+09 | 1.05 y | 27:04 | - | 0.95 |
| 18 | Tri | PCB-34 | 1000.00 | 1.55e+09 | 1.04 y | 27:52 | - | 0.97 |
| 19 | Tri | PCB-23 | 1000.00 | 1.59e+09 | 1.07 y | 27:57 | - | 1.00 |
| 20 | Tri | PCB-29 | 1000.00 | 1.56e+09 | 1.06 y | 28:12 | - | 0.98 |
| 21 | Tri | PCB-26 | 1000.00 | 1.61e+09 | 1.06 y | 28:25 | - | 1.01 |
| 22 | Tri | PCB-25 | 1000.00 | 1.69e+09 | 1.07 y | 28:35 | - | 1.06 |
| 23 | Tri | PCB-31 | 1000.00 | 1.89e+09 | 1.05 y | 28:56 | - | 1.19 |
| 24 | Tri | PCB-28 | 1000.00 | 1.73e+09 | 1.07 y | 29:02 | - | 1.09 |
| 25 | Tri | PCB-20/21/33 | 3000.00 | 4.98e+09 | 1.06 y | 29:39 | - | 1.04 |
| 26 | Tri | PCB-22 | 1000.00 | 1.84e+09 | 1.05 y | 30:06 | - | 1.15 |
| 27 | Tri | PCB-36 | 1000.00 | 1.89e+09 | 1.06 y | 30:42 | - | 1.05 |
| 28 | Tri | PCB-39 | 1000.00 | 1.78e+09 | 1.05 y | 31:11 | - | 0.99 |
| 29 | Tri | PCB-38 | 1000.00 | 1.85e+09 | 1.06 y | 31:57 | - | 1.03 |
| 30 | Tri | PCB-35 | 1000.00 | 1.94e+09 | 1.05 y | 32:29 | - | 1.08 |
| 31 | Tri | PCB-37 | 1000.00 | 1.87e+09 | 1.06 y | 32:55 | - | 1.04 |
| 32 | Tetra | PCB-54 | 1000.00 | 1.74e+09 | 0.78 y | 27:54 | - | 1.00 |
| 33 | Tetra | PCB-50 | 1000.00 | 1.36e+09 | 0.77 y | 29:04 | - | 0.78 |
| 34 | Tetra | PCB-53 | 1000.00 | 1.33e+09 | 0.77 y | 29:44 | - | 0.92 |
| 35 | Tetra | PCB-51 | 1000.00 | 1.45e+09 | 0.78 y | 30:05 | - | 1.00 |
| 36 | Tetra | PCB-45 | 1000.00 | 1.16e+09 | 0.78 y | 30:30 | - | 0.80 |
| 37 | Tetra | PCB-46 | 1000.00 | 1.12e+09 | 0.78 y | 30:59 | - | 0.78 |
| 38 | Tetra | PCB-52/69 | 2000.00 | 3.46e+09 | 0.77 y | 31:29 | - | 1.20 |
| 39 | Tetra | PCB-73 | 1000.00 | 1.83e+09 | 0.78 y | 31:36 | - | 1.27 |
| 40 | Tetra | PCB-43/49 | 2000.00 | 2.84e+09 | 0.78 y | 31:45 | - | 0.98 |
| 41 | Tetra | PCB-47 | 1000.00 | 1.34e+09 | 0.78 y | 31:57 | - | 0.83 |

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|---|---|---|---|---|---|---|---|---|---|
| 42 | Tetra | PCB-48/75 | 2000.00 | 3.41e+09 | 0.78 | y | 32:04 | - | 1.06 |
| 43 | Tetra | PCB-65 | 1000.00 | 1.98e+09 | 0.77 | y | 32:20 | - | 1.24 |
| 44 | Tetra | PCB-62 | 1000.00 | 1.62e+09 | 0.78 | y | 32:27 | - | 1.01 |
| 45 | Tetra | PCB-44 | 1000.00 | 1.31e+09 | 0.78 | y | 32:45 | - | 0.82 |
| 46 | Tetra | PCB-42/59 | 2000.00 | 3.12e+09 | 0.78 | y | 32:59 | - | 0.97 |
| 47 | Tetra | PCB-41/64/71/72 | 4000.00 | 7.25e+09 | 0.78 | y | 33:34 | - | 1.13 |
| 48 | Tetra | PCB-68 | 1000.00 | 1.93e+09 | 0.78 | y | 33:50 | - | 1.20 |
| 49 | Tetra | PCB-40 | 1000.00 | 9.50e+08 | 0.78 | y | 34:02 | - | 0.59 |
| 50 | Tetra | PCB-57 | 1000.00 | 2.01e+09 | 0.78 | y | 34:24 | - | 1.04 |
| 51 | Tetra | PCB-67 | 1000.00 | 2.03e+09 | 0.77 | y | 34:42 | - | 1.05 |
| 52 | Tetra | PCB-58 | 1000.00 | 2.07e+09 | 0.78 | y | 34:50 | - | 1.07 |

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|---|---|---|---|---|---|---|---|---|
| 53 | Tetra | PCB-63 | 1000.00 | 1.82e-09 | 0.78 y | 34:59 | - | 0.94 |
| 54 | Tetra | PCB-74 | 1000.00 | 2.17e+09 | 0.78 y | 35:16 | - | 1.12 |
| 55 | Tetra | PCB-61/70 | 2000.00 | 3.66e+09 | 0.78 y | 35:26 | - | 0.95 |
| 56 | Tetra | PCB-76/66 | 2000.00 | 4.13e+09 | 0.78 y | 35:39 | - | 1.07 |
| 57 | Tetra | PCB-80 | 1000.00 | 2.14e+09 | 0.78 y | 35:54 | - | 1.11 |
| 58 | Tetra | PCB-55 | 1000.00 | 2.15e+09 | 0.77 y | 36:13 | - | 1.12 |
| 59 | Tetra | PCB-56/60 | 2000.00 | 3.82e+09 | 0.78 y | 36:42 | - | 0.99 |
| 60 | Tetra | PCB-79 | 1000.00 | 2.13e+09 | 0.78 y | 37:46 | - | 1.10 |
| 61 | Tetra | PCB-78 | 1000.00 | 2.03e+09 | 0.78 y | 38:28 | - | 1.03 |
| 62 | Tetra | PCB-81 | 1000.00 | 1.80e+09 | 0.78 y | 38:59 | - | 0.91 |
| 63 | Tetra | PCB-77 | 1000.00 | 1.92e+09 | 0.78 y | 39:35 | - | 1.02 |
| 64 | Penta | PCB-104 | 1000.00 | 1.21e+09 | 1.58 y | 32:37 | - | 1.00 |
| 65 | Penta | PCB-96 | 1000.00 | 1.32e+09 | 1.59 y | 33:52 | - | 1.10 |
| 66 | Penta | PCB-103 | 1000.00 | 1.06e+09 | 1.61 y | 34:25 | - | 0.88 |
| 67 | Penta | PCB-100 | 1000.00 | 1.08e+09 | 1.60 y | 34:47 | - | 0.90 |
| 68 | Penta | PCB-94 | 1000.00 | 8.53e+08 | 1.59 y | 35:15 | - | 0.87 |
| 69 | Penta | PCB-95/98/102 | 3000.00 | 3.16e+09 | 1.60 y | 35:43 | - | 1.07 |
| 70 | Penta | PCB-93 | 1000.00 | 8.96e+08 | 1.59 y | 35:51 | - | 0.91 |
| 71 | Penta | PCB-88/91 | 2000.00 | 1.76e+09 | 1.58 y | 36:08 | - | 0.89 |
| 72 | Penta | PCB-121 | 1000.00 | 1.59e+09 | 1.62 y | 36:15 | - | 1.61 |
| 73 | Penta | PCB-84/92 | 2000.00 | 1.81e+09 | 1.59 y | 37:05 | - | 0.92 |
| 74 | Penta | PCB-89 | 1000.00 | 9.76e+08 | 1.59 y | 37:15 | - | 0.99 |
| 75 | Penta | PCB-90/101 | 2000.00 | 1.99e+09 | 1.59 y | 37:27 | - | 1.01 |
| 76 | Penta | PCB-113 | 1000.00 | 1.44e+09 | 1.56 y | 37:42 | - | 1.46 |
| 77 | Penta | PCB-99 | 1000.00 | 1.10e+09 | 1.64 y | 37:47 | - | 1.12 |
| 78 | Penta | PCB-119 | 1000.00 | 1.43e+09 | 1.60 y | 38:14 | - | 1.68 |
| 79 | Penta | PCB-108/112 | 2000.00 | 2.28e+09 | 1.64 y | 38:25 | - | 1.34 |
| 80 | Penta | PCB-83 | 1000.00 | 1.41e+09 | 1.52 y | 38:34 | - | 1.65 |
| 81 | Penta | PCB-97 | 1000.00 | 9.57e+08 | 1.59 y | 38:45 | - | 1.12 |
| 82 | Penta | PCB-86 | 1000.00 | 9.05e+08 | 1.57 y | 38:54 | - | 1.06 |
| 83 | Penta | PCB-87/117/125 | 3000.00 | 3.84e+09 | 1.60 y | 39:02 | - | 1.50 |
| 84 | Penta | PCB-111/115 | 2000.00 | 2.93e+09 | 1.59 y | 39:11 | - | 1.72 |
| 85 | Penta | PCB-85/116 | 2000.00 | 2.14e+09 | 1.61 y | 39:19 | - | 1.26 |
| 86 | Penta | PCB-120 | 1000.00 | 1.62e+09 | 1.59 y | 39:34 | - | 1.90 |
| 87 | Penta | PCB-110 | 1000.00 | 1.37e+09 | 1.61 y | 39:42 | - | 1.61 |
| 88 | Penta | PCB-82 | 1000.00 | 8.70e+08 | 1.59 y | 40:19 | - | 0.77 |
| 89 | Penta | PCB-124 | 1000.00 | 1.51e+09 | 1.56 y | 41:00 | - | 1.33 |
| 90 | Penta | PCB-107/109 | 2000.00 | 2.70e+09 | 1.59 y | 41:08 | - | 1.19 |
| 91 | Penta | PCB-123 | 1000.00 | 1.21e+09 | 1.63 y | 41:20 | - | 1.07 |
| 92 | Penta | PCB-106/118 | 2000.00 | 2.70e+09 | 1.58 y | 41:31 | - | 1.10 |
| 93 | Penta | PCB-114 | 1000.00 | 1.32e+09 | 1.56 y | 42:09 | - | 1.04 |
| 94 | Penta | PCB-122 | 1000.00 | 1.23e+09 | 1.58 y | 42:17 | - | 0.97 |
| 95 | Penta | PCB-105 | 1000.00 | 1.32e+09 | 1.58 y | 43:01 | - | 1.08 |
| 96 | Penta | PCB-127 | 1000.00 | 1.41e+09 | 1.58 y | 43:20 | - | 1.05 |
| 97 | Penta | PCB-126 | 1000.00 | 1.44e+09 | 1.60 y | 45:14 | - | 1.16 |
| 98 | Hexa | PCB-155 | 1000.00 | 9.07e+08 | 1.29 y | 37:01 | - | 0.93 |
| 99 | Hexa | PCB-150 | 1000.00 | 9.56e+08 | 1.29 y | 38:16 | - | 0.98 |
| 100 | Hexa | PCB-152 | 1000.00 | 1.08e+09 | 1.29 y | 38:45 | - | 1.11 |
| 101 | Hexa | PCB-145 | 1000.00 | 1.05e+09 | 1.29 y | 39:11 | - | 1.08 |
| 102 | Hexa | PCB-136 | 1000.00 | 9.39e+08 | 1.28 y | 39:31 | - | 0.97 |

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|---|---|---|---|---|---|---|---|---|
| 103 | Hexa | PCB-148 | 1000.00 | 7.52e+08 | 1.30 y | 39:37 | - | 0.77 |
| 104 | Hexa | PCB-154 | 1000.00 | 8.28e+08 | 1.28 y | 40:07 | - | 0.85 |
| 105 | Hexa | PCB-151 | 1000.00 | 7.22e+08 | 1.29 y | 40:44 | - | 0.74 |
| 106 | Hexa | PCB-135 | 1000.00 | 8.24e+08 | 1.28 y | 40:58 | - | 0.85 |
| 107 | Hexa | PCB-144 | 1000.00 | 6.97e+08 | 1.31 y | 41:05 | - | 0.72 |
| 108 | Hexa | PCB-147 | 1000.00 | 7.40e+08 | 1.30 y | 41:12 | - | 0.76 |
| 109 | Hexa | PCB-139/149 | 2000.00 | 1.65e+09 | 1.29 y | 41:28 | - | 0.85 |
| 110 | Hexa | PCB-140 | 1000.00 | 6.98e+08 | 1.29 y | 41:39 | - | 0.72 |
| 111 | Hexa | PCB-134/143 | 2000.00 | 2.01e+09 | 1.25 y | 42:05 | - | 0.72 |
| 112 | Hexa | PCB-131/133 | 2000.00 | 2.23e+09 | 1.25 y | 42:23 | - | 0.80 |
| 113 | Hexa | PCB-142 | 1000.00 | 9.70e+08 | 1.24 y | 42:32 | - | 0.70 |

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|---|---|---|---|---|---|---|---|---|
| 114 | Hexa | PCB-146/165 | 2000.00 | 2.76e+09 | 1.24 y | 42:46 | - | 0.99 |
| 115 | Hexa | PCB-132/161 | 2000.00 | 2.74e+09 | 1.24 y | 43:00 | - | 0.98 |
| 116 | Hexa | PCB-153 | 1000.00 | 1.42e+09 | 1.25 y | 43:10 | - | 1.02 |
| 117 | Hexa | PCB-168 | 1000.00 | 1.45e+09 | 1.24 y | 43:23 | - | 1.04 |
| 118 | Hexa | PCB-141 | 1000.00 | 1.13e+09 | 1.24 y | 43:54 | - | 0.97 |
| 119 | Hexa | PCB-137 | 1000.00 | 1.24e+09 | 1.23 y | 44:17 | - | 1.07 |
| 120 | Hexa | PCB-130 | 1000.00 | 9.03e+08 | 1.25 y | 44:24 | - | 0.77 |
| 121 | Hexa | PCB-138/163/164 | 3000.00 | 4.46e+09 | 1.24 y | 44:46 | - | 1.18 |
| 122 | Hexa | PCB-158/160 | 2000.00 | 2.84e+09 | 1.24 y | 45:01 | - | 1.12 |
| 123 | Hexa | PCB-129 | 1000.00 | 9.27e+08 | 1.24 y | 45:15 | - | 0.73 |
| 124 | Hexa | PCB-166 | 1000.00 | 1.61e+09 | 1.24 y | 45:42 | - | 1.06 |
| 125 | Hexa | PCB-159 | 1000.00 | 1.71e+09 | 1.24 y | 46:02 | - | 1.13 |
| 126 | Hexa | PCB-128/162 | 2000.00 | 2.58e+09 | 1.23 y | 46:19 | - | 0.85 |
| 127 | Hexa | PCB-167 | 1000.00 | 1.47e+09 | 1.23 y | 46:43 | - | 0.97 |
| 128 | Hexa | PCB-156 | 1000.00 | 1.50e+09 | 1.24 y | 48:00 | - | 0.99 |
| 129 | Hexa | PCB-157 | 1000.00 | 1.46e+09 | 1.24 y | 48:15 | - | 0.97 |
| 130 | Hexa | PCB-169 | 1000.00 | 1.67e+09 | 1.25 y | 50:28 | - | 1.10 |
| 131 | Hepta | PCB-188 | 1000.00 | 1.31e+09 | 1.05 y | 42:48 | - | 1.30 |
| 132 | Hepta | PCB-184 | 1000.00 | 1.28e+09 | 1.05 y | 43:15 | - | 1.27 |
| 133 | Hepta | PCB-179 | 1000.00 | 1.35e+09 | 1.05 y | 44:01 | - | 1.33 |
| 134 | Hepta | PCB-176 | 1000.00 | 1.27e+09 | 1.05 y | 44:29 | - | 1.25 |
| 135 | Hepta | PCB-186 | 1000.00 | 1.41e+09 | 1.04 y | 45:06 | - | 1.39 |
| 136 | Hepta | PCB-178 | 1000.00 | 9.71e+08 | 1.06 y | 45:36 | - | 0.96 |
| 137 | Hepta | PCB-175 | 1000.00 | 1.02e+09 | 1.05 y | 45:57 | - | 1.01 |
| 138 | Hepta | PCB-182/187 | 2000.00 | 2.28e+09 | 1.05 y | 46:07 | - | 1.13 |
| 139 | Hepta | PCB-183 | 1000.00 | 1.12e+09 | 1.04 y | 46:25 | - | 1.10 |
| 140 | Hepta | PCB-185 | 1000.00 | 9.60e+08 | 1.06 y | 47:05 | - | 1.30 |
| 141 | Hepta | PCB-174 | 1000.00 | 9.99e+08 | 1.05 y | 47:27 | - | 1.35 |
| 142 | Hepta | PCB-181 | 1000.00 | 1.06e+09 | 1.05 y | 47:33 | - | 1.43 |
| 143 | Hepta | PCB-177 | 1000.00 | 9.42e+08 | 1.05 y | 47:43 | - | 1.28 |
| 144 | Hepta | PCB-171 | 1000.00 | 9.63e+08 | 1.05 y | 48:00 | - | 1.31 |
| 145 | Hepta | PCB-173 | 1000.00 | 8.78e+08 | 1.05 y | 48:26 | - | 1.19 |
| 146 | Hepta | PCB-172 | 1000.00 | 1.00e+09 | 1.05 y | 48:54 | - | 1.36 |
| 147 | Hepta | PCB-192 | 1000.00 | 1.30e+09 | 1.05 y | 49:05 | - | 1.77 |
| 148 | Hepta | PCB-180 | 1000.00 | 1.08e+09 | 1.05 y | 49:17 | - | 1.46 |
| 149 | Hepta | PCB-193 | 1000.00 | 1.18e+09 | 1.05 y | 49:29 | - | 1.60 |
| 150 | Hepta | PCB-191 | 1000.00 | 1.25e+09 | 1.05 y | 49:44 | - | 1.69 |
| 151 | Hepta | PCB-170 | 1000.00 | 9.07e+08 | 1.04 y | 50:53 | - | 1.40 |
| 152 | Hepta | PCB-190 | 1000.00 | 1.23e+09 | 1.06 y | 51:04 | - | 1.89 |
| 153 | Hepta | PCB-189 | 1000.00 | 1.21e+09 | 1.05 y | 52:29 | - | 1.38 |
| 154 | Octa | PCB-202 | 1000.00 | 9.95e+08 | 0.91 y | 48:13 | - | 1.04 |
| 155 | Octa | PCB-201 | 1000.00 | 9.11e+08 | 0.90 y | 48:42 | - | 0.95 |
| 156 | Octa | PCB-204 | 1000.00 | 9.96e+08 | 0.90 y | 48:51 | - | 1.04 |
| 157 | Octa | PCB-197 | 1000.00 | 9.86e+08 | 0.90 y | 49:10 | - | 1.03 |
| 158 | Octa | PCB-200 | 1000.00 | 9.59e+08 | 0.90 y | 50:04 | - | 1.00 |
| 159 | Octa | PCB-198 | 1000.00 | 7.64e+08 | 0.90 y | 51:32 | - | 0.80 |
| 160 | Octa | PCB-199 | 1000.00 | 7.38e+08 | 0.90 y | 51:39 | - | 0.77 |
| 161 | Octa | PCB-196/203 | 2000.00 | 1.58e+09 | 0.90 y | 51:56 | - | 0.82 |
| 162 | Octa | PCB-195 | 1000.00 | 8.04e+08 | 0.90 y | 53:10 | - | 0.97 |
| 163 | Octa | PCB-194 | 1000.00 | 8.93e+08 | 0.90 y | 54:03 | - | 1.07 |

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|---|---|---|---|---|---|---|---|---|---|
| 164 | Octa | PCB-205 | 1000.00 | 1.05e+09 | 0.90 | y | 54:19 | - | 1.26 |
| 165 | Nona | PCB-208 | 1000.00 | 1.01e+09 | 1.32 | y | 53:19 | - | 0.86 |
| 166 | Nona | PCB-207 | 1000.00 | 1.02e+09 | 1.32 | y | 53:38 | - | 0.87 |
| 167 | Nona | PCB-206 | 1000.00 | 7.42e+08 | 1.31 | y | 55:37 | - | 0.84 |
| 168 | Deca | PCB-209 | 1000.00 | 8.00e+08 | 1.19 | y | 56:57 | - | 1.00 |
| 169 | Tot ╗ | Total Mono-PCB | 0.00 | - | - | n | - | - | 1.00 |
| 170 | Tot ╗ | Total Di-PCB | 0.00 | - | - | n | - | - | 0.98 |
| 171 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.09 |

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|---|---|---|---|---|---|---|---|---|---|
| 172 | Tot ╗ | Total Tri-PCB | 0.00 | - | - | n | - | - | 1.04 |
| 173 | Tot ╗ | Total Tetra-PCB | 0.00 | - | - | n | - | - | 1.00 |
| 174 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.12 |
| 175 | Tot ╗ | Total Penta-PCB | 0.00 | - | - | n | - | - | 1.06 |
| 176 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.87 |
| 177 | Tot ╗ | Total Hexa-PCB | 0.00 | - | - | n | - | - | 0.96 |
| 178 | Tot ╗ | Total Hepta-PCB | 0.00 | - | - | n | - | - | 1.31 |
| 179 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 0.92 |
| 180 | Tot ╗ | Total Octa-PCB | 0.00 | - | - | n | - | - | 1.10 |
| 181 | Tot ╗ | Total Nona-PCB | 0.00 | - | - | n | - | - | 0.86 |
| 182 | Tot ╗ | Total Deca-PCB | 1000.00 | 8.00e+08 | 1.19 | y | 56:57 | - | 1.00 |
| 183 | Mono╗ | 13C-PCB-1 | 100.00 | 2.59e+08 | 3.17 | y | 16:00 | - | 1.22 |
| 184 | Mono╗ | 13C-PCB-3 | 100.00 | 2.72e+08 | 3.19 | y | 18:38 | - | 1.28 |
| 185 | Di-IS | 13C-PCB-4 | 100.00 | 1.32e+08 | 1.56 | y | 19:58 | - | 0.62 |
| 186 | Di-IS | 13C-PCB-9 | 100.00 | 2.04e+08 | 1.55 | y | 21:46 | - | 0.96 |
| 187 | Di-IS | 13C-PCB-11 | 100.00 | 2.02e+08 | 1.54 | y | 25:10 | - | 0.95 |
| 188 | Tri-╗ | 13C-PCB-19 | 100.00 | 1.35e+08 | 1.06 | y | 24:08 | - | 0.63 |
| 189 | Tri-╗ | 13C-PCB-32 | 100.00 | 1.94e+08 | 1.06 | y | 27:04 | - | 0.91 |
| 190 | Tri-╗ | 13C-PCB-28 | 100.00 | 1.60e+08 | 1.05 | y | 29:02 | - | 0.93 |
| 191 | Tri-╗ | 13C-PCB-37 | 100.00 | 1.80e+08 | 1.05 | y | 32:54 | - | 1.05 |
| 192 | Tetr╗ | 13C-PCB-54 | 100.00 | 1.74e+08 | 0.80 | y | 27:54 | - | 0.90 |
| 193 | Tetr╗ | 13C-PCB-52 | 100.00 | 1.44e+08 | 0.80 | y | 31:26 | - | 0.75 |
| 194 | Tetr╗ | 13C-PCB-47 | 100.00 | 1.60e+08 | 0.79 | y | 31:57 | - | 0.83 |
| 195 | Tetr╗ | 13C-PCB-70 | 100.00 | 1.93e+08 | 0.81 | y | 35:27 | - | 1.00 |
| 196 | Tetr╗ | 13C-PCB-80 | 100.00 | 1.93e+08 | 0.81 | y | 35:53 | - | 0.99 |
| 197 | Tetr╗ | 13C-PCB-81 | 100.00 | 1.96e+08 | 0.81 | y | 38:59 | - | 1.01 |
| 198 | Tetr╗ | 13C-PCB-77 | 100.00 | 1.88e+08 | 0.81 | y | 39:34 | - | 0.97 |
| 199 | Pent╗ | 13C-PCB-104 | 100.00 | 1.20e+08 | 1.58 | y | 32:36 | - | 0.99 |
| 200 | Pent╗ | 13C-PCB-95 | 100.00 | 9.85e+07 | 1.56 | y | 35:46 | - | 0.81 |
| 201 | Pent╗ | 13C-PCB-101 | 100.00 | 9.85e+07 | 1.57 | y | 37:27 | - | 0.81 |
| 202 | Pent╗ | 13C-PCB-97 | 100.00 | 8.53e+07 | 1.61 | y | 38:45 | - | 0.70 |
| 203 | Pent╗ | 13C-PCB-123 | 100.00 | 1.13e+08 | 1.59 | y | 41:18 | - | 0.93 |
| 204 | Pent╗ | 13C-PCB-118 | 100.00 | 1.23e+08 | 1.58 | y | 41:29 | - | 1.01 |
| 205 | Pent╗ | 13C-PCB-114 | 100.00 | 1.26e+08 | 1.60 | y | 42:08 | - | 1.17 |
| 206 | Pent╗ | 13C-PCB-105 | 100.00 | 1.23e+08 | 1.60 | y | 42:60 | - | 1.13 |
| 207 | Pent╗ | 13C-PCB-127 | 100.00 | 1.35e+08 | 1.58 | y | 43:20 | - | 1.24 |
| 208 | Pent╗ | 13C-PCB-126 | 100.00 | 1.23e+08 | 1.57 | y | 45:14 | - | 1.14 |
| 209 | Hexa╗ | 13C-PCB-155 | 100.00 | 9.72e+07 | 1.27 | y | 36:59 | - | 0.80 |
| 210 | Hexa╗ | 13C-PCB-153 | 100.00 | 1.39e+08 | 1.27 | y | 43:10 | - | 1.28 |
| 211 | Hexa╗ | 13C-PCB-141 | 100.00 | 1.17e+08 | 1.29 | y | 43:54 | - | 1.08 |
| 212 | Hexa | 13C-PCB-138 | 100.00 | 1.26e+08 | 1.28 | y | 44:44 | - | 1.16 |
| 213 | Hexa╗ | 13C-PCB-159 | 100.00 | 1.52e+08 | 1.27 | y | 46:01 | - | 1.40 |
| 214 | Hexa╗ | 13C-PCB-167 | 100.00 | 1.51e+08 | 1.25 | y | 46:42 | - | 1.39 |
| 215 | Hexa╗ | 13C-PCB-156 | 100.00 | 1.51e+08 | 1.27 | y | 47:59 | - | 1.39 |
| 216 | Hexa╗ | 13C-PCB-157 | 100.00 | 1.51e+08 | 1.27 | y | 48:15 | - | 1.39 |
| 217 | Hexa╗ | 13C-PCB-169 | 100.00 | 1.51e+08 | 1.28 | y | 50:27 | - | 1.40 |
| 218 | Hept╗ | 13C-PCB-188 | 100.00 | 1.01e+08 | 0.46 | y | 42:47 | - | 1.35 |
| 219 | Hept╗ | 13C-PCB-180 | 100.00 | 7.38e+07 | 0.46 | y | 49:16 | - | 0.98 |
| 220 | Hept╗ | 13C-PCB-170 | 100.00 | 6.49e+07 | 0.47 | y | 50:52 | - | 0.87 |
| 221 | Hept╗ | 13C-PCB-189 | 100.00 | 8.75e+07 | 0.44 | y | 52:29 | - | 1.17 |
| 222 | Octa╗ | 13C-PCB-202 | 100.00 | 9.60e+07 | 0.91 | y | 48:12 | - | 1.28 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 223 | Octa╗ | 13C-PCB-194 | 100.00 | 8.31e+07 | 0.91 y | 54:02 | - | 0.79 |
| 224 | Nona╗ | 13C-PCB-208 | 100.00 | 1.17e+08 | 0.76 y | 53:18 | - | 1.11 |
| 225 | Nona╗ | 13C-PCB-206 | 100.00 | 8.79e+07 | 0.78 y | 55:36 | - | 0.83 |
| 226 | Deca╗ | 13C-PCB-209 | 100.00 | 8.01e+07 | 1.19 y | 56:56 | - | 0.76 |
| 227 | DI-RS | 13C-PCB-15 | 100.00 | 2.13e+08 | 1.55 y | 25:52 | - | 1.00 |
| 228 | Tri-╗ | 13C-PCB-31 | 100.00 | 1.71e+08 | 1.05 y | 28:55 | - | 1.00 |
| 229 | Tetr╗ | 13C-PCB-60 | 100.00 | 1.94e+08 | 0.79 y | 36:42 | - | 1.00 |
| 230 | Penta | 13C-PCB-111 | 100.00 | 1.22e+08 | 1.61 y | 39:11 | - | 1.00 |
| 231 | Hexa╗ | 13C-PCB-128 | 100.00 | 1.08e+08 | 1.28 y | 46:17 | - | 1.00 |
| 232 | Hept╗ | 13C-PCB-182 | 100.00 | 7.51e+07 | 0.47 y | 46:07 | - | 1.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 233 | Octa¬ | 13C-PCB-205 | 100.00 | 1.06e+08 | 0.91 y | 54:19 | - | 1.00 |
| 234 | CRS | 13C-PCB-79 | 100.00 | 2.01e+08 | 0.80 y | 37:46 | - | 1.04 |
| 235 | CRS | 13C-PCB-178 | 100.00 | 6.78e+07 | 0.46 y | 45:35 | - | 0.90 |
| 236 | PS | 13C-PCB-79 | 100.00 | 2.01e+08 | 0.80 y | 37:46 | - | 1.02 |
| 237 | PS | 13C-PCB-178 | 100.00 | 6.78e+07 | 0.46 y | 45:35 | - | 0.92 |

Initial Calibration RRF Summary (ICAL) Vista Analytical Laboratory 

Run: 180208E1 Analyte: PCBNEW Cal: PCBVG8-2-8-18 Inst. ID. VG-8

Data filename: 180208E1

| Name | RRT Limits Lower | RRT Limits Upper | Samp# 1 0.25 RRT#1 | Samp# 2 1.0 RRT#2 | Samp# 3 2.5 RRT#3 | Samp# 4 50 RRT#4 | Samp# 5 400 RRT#5 | Samp# 6 1000 RRT#6 |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.996 | -1.006 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| PCB-2 | 0.983 | -0.993 | 0.988 | 0.988 | 0.988 | 0.988 | 0.988 | 0.988 |
| PCB-3 | 0.996 | -1.006 | 1.000 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| PCB-4/10 | 0.998 | -1.008 | 1.002 | 1.003 | 1.003 | 1.003 | 1.003 | 1.002 |
| PCB-7/9 | 0.863 | -0.871 | 0.867 | 0.867 | 0.867 | 0.867 | 0.867 | 0.867 |
| PCB-6 | 0.888 | -0.897 | 0.893 | 0.893 | 0.893 | 0.893 | 0.893 | 0.893 |
| PCB-5/8 | 0.904 | -0.913 | 0.909 | 0.909 | 0.909 | 0.909 | 0.909 | 0.909 |
| PCB-14 | 0.948 | -0.958 | 0.953 | 0.953 | 0.953 | 0.953 | 0.953 | 0.953 |
| PCB-11 | 0.996 | -1.006 | 1.000 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 |
| PCB-12/13 | 1.011 | -1.021 | 1.016 | 1.016 | 1.017 | 1.016 | 1.016 | 1.016 |
| PCB-15 | 1.023 | -1.033 | 1.029 | 1.028 | 1.029 | 1.029 | 1.029 | 1.029 |
| PCB-19 | 0.996 | -1.006 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| PCB-30 | 1.034 | -1.044 | 1.038 | 1.038 | 1.038 | 1.038 | 1.038 | 1.038 |
| PCB-18 | 0.948 | -0.958 | 0.953 | 0.954 | 0.954 | 0.953 | 0.953 | 0.954 |
| PCB-17 | 0.955 | -0.965 | 0.960 | 0.960 | 0.960 | 0.960 | 0.960 | 0.960 |
| PCB-24/27 | 0.977 | -0.986 | 0.981 | 0.981 | 0.981 | 0.981 | 0.981 | 0.981 |
| PCB-16/32 | 0.995 | -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-34 | 0.955 | -0.965 | 0.960 | 0.960 | 0.960 | 0.960 | 0.960 | 0.960 |
| PCB-23 | 0.958 | -0.968 | 0.964 | 0.963 | 0.964 | 0.963 | 0.963 | 0.963 |
| PCB-29 | 0.966 | -0.976 | 0.972 | 0.972 | 0.972 | 0.971 | 0.971 | 0.971 |
| PCB-26 | 0.974 | -0.984 | 0.979 | 0.979 | 0.979 | 0.979 | 0.979 | 0.979 |
| PCB-25 | 0.980 | -0.990 | 0.985 | 0.985 | 0.984 | 0.985 | 0.985 | 0.985 |
| PCB-31 | 0.992 | -1.002 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 |
| PCB-28 | 0.995 | -1.005 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 |
| PCB-20/21/33 | 1.017 | -1.027 | 1.022 | 1.021 | 1.022 | 1.022 | 1.022 | 1.021 |
| PCB-22 | 1.032 | -1.042 | 1.037 | 1.037 | 1.037 | 1.037 | 1.037 | 1.037 |
| PCB-36 | 0.929 | -0.939 | 0.934 | 0.933 | 0.934 | 0.934 | 0.934 | 0.933 |
| PCB-39 | 0.943 | -0.953 | 0.948 | 0.948 | 0.948 | 0.948 | 0.948 | 0.948 |
| PCB-38 | 0.966 | -0.976 | 0.972 | 0.971 | 0.972 | 0.971 | 0.971 | 0.971 |
| PCB-35 | 0.982 | -0.992 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 |
| PCB-37 | 0.996 | -1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 |
| PCB-54 | 0.996 | -1.006 | 1.000 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 |
| PCB-50 | 1.038 | -1.048 | 1.043 | 1.043 | 1.043 | 1.043 | 1.043 | 1.042 |
| PCB-53 | 0.940 | -0.950 | 0.945 | 0.945 | 0.945 | 0.946 | 0.946 | 0.946 |
| PCB-51 | 0.952 | -0.962 | 0.956 | 0.956 | 0.956 | 0.957 | 0.957 | 0.957 |
| PCB-45 | 0.965 | -0.975 | 0.970 | 0.970 | 0.970 | 0.971 | 0.970 | 0.970 |
| PCB-46 | 0.980 | -0.990 | 0.986 | 0.986 | 0.985 | 0.985 | 0.986 | 0.985 |
| PCB-52/69 | 0.996 | -1.006 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| PCB-73 | 1.000 | -1.010 | 1.005 | 1.004 | 1.005 | 1.005 | 1.005 | 1.005 |
| PCB-43/49 | 1.005 | -1.015 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 |
| PCB-47 | 0.995 | -1.005 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PCB-48/75 | 0.999 | -1.009 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 |
| PCB-65 | 1.007 | -1.017 | 1.012 | 1.013 | 1.012 | 1.012 | 1.012 | 1.012 |
| PCB-62 | 1.011 | -1.021 | 1.016 | 1.016 | 1.016 | 1.016 | 1.016 | 1.016 |
| PCB-44 | 1.020 | -1.030 | 1.025 | 1.026 | 1.025 | 1.025 | 1.025 | 1.025 |
| PCB-42/59 | 1.027 | -1.037 | 1.032 | 1.032 | 1.033 | 1.032 | 1.033 | 1.032 |
| PCB-41/64/71/72 | 1.046 | -1.056 | 1.051 | 1.051 | 1.051 | 1.050 | 1.051 | 1.051 |
| PCB-68 | 1.054 | -1.064 | 1.059 | 1.059 | 1.059 | 1.059 | 1.059 | 1.059 |
| PCB-40 | 1.060 | -1.070 | 1.066 | 1.066 | 1.066 | 1.065 | 1.066 | 1.065 |
| PCB-57 | 0.965 | -0.975 | 0.970 | 0.970 | 0.970 | 0.970 | 0.971 | 0.970 |
| PCB-67 | 0.973 | -0.983 | 0.978 | 0.979 | 0.979 | 0.978 | 0.979 | 0.979 |
| PCB-58 | 0.977 | -0.987 | 0.982 | 0.982 | 0.982 | 0.982 | 0.982 | 0.982 |

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|---|---|---|---|---|---|---|---|
| PCB-63 | 0.981 -0.991 | 0.986 | 0.986 | 0.986 | 0.986 | 0.987 | 0.987 |
| PCB-74 | 0.989 -0.999 | 0.994 | 0.995 | 0.994 | 0.994 | 0.995 | 0.995 |
| PCB-61/70 | 0.994 -1.004 | 1.000 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 |
| PCB-76/66 | 1.000 -1.010 | 1.005 | 1.005 | 1.005 | 1.005 | 1.006 | 1.005 |
| PCB-80 | 0.995 -1.005 | 1.001 | 1.000 | 1.001 | 1.000 | 1.001 | 1.000 |
| PCB-55 | 1.004 -1.014 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 |
| PCB-56/60 | 1.018 -1.028 | 1.023 | 1.023 | 1.022 | 1.023 | 1.023 | 1.023 |
| PCB-79 | 1.047 -1.057 | 1.053 | 1.053 | 1.053 | 1.052 | 1.053 | 1.052 |
| PCB-78 | 0.982 -0.992 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 |
| PCB-81 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-77 | 0.995 -1.005 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | |
| PCB-104 | 0.996 -1.006 | 1.001 | 1.000 | 1.000 | 1.001 | 1.001 | 1.001 |
| PCB-96 | 1.034 -1.044 | 1.039 | 1.039 | 1.039 | 1.039 | 1.039 | 1.039 |
| PCB-103 | 1.051 -1.061 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 | 1.056 |
| PCB-100 | 1.062 -1.072 | 1.066 | 1.066 | 1.067 | 1.067 | 1.067 | 1.067 |
| PCB-94 | 0.981 -0.991 | 0.985 | 0.985 | 0.985 | 0.986 | 0.986 | 0.986 |
| PCB-95/98/102 | 0.994 -1.004 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 | 0.999 |
| PCB-93 | 0.997 -1.007 | 1.003 | 1.003 | 1.003 | 1.002 | 1.003 | 1.003 |
| PCB-88/91 | 1.005 -1.015 | 1.011 | 1.011 | 1.011 | 1.010 | 1.010 | 1.010 |
| PCB-121 | 1.009 -1.019 | 1.014 | 1.014 | 1.014 | 1.014 | 1.014 | 1.014 |
| PCB-84/92 | 0.985 -0.995 | 0.991 | 0.990 | 0.990 | 0.990 | 0.990 | 0.990 |
| PCB-89 | 0.990 -1.000 | 0.995 | 0.995 | 0.995 | 0.995 | 0.995 | 0.995 |
| PCB-90/101 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-113 | 1.002 -1.012 | 1.007 | 1.006 | 1.007 | 1.007 | 1.007 | 1.007 |
| PCB-99 | 1.004 -1.014 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 |
| PCB-119 | 0.982 -0.992 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 |
| PCB-108/112 | 0.986 -0.996 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 |
| PCB-83 | 0.990 -1.000 | 0.996 | 0.996 | 0.995 | 0.995 | 0.995 | 0.995 |
| PCB-97 | 0.995 -1.005 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-86 | 0.999 -1.009 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 |
| PCB-87/117/125 | 1.002 -1.012 | 1.007 | 1.007 | 1.007 | 1.007 | 1.007 | 1.007 |
| PCB-111/115 | 1.006 -1.016 | 1.012 | 1.012 | 1.011 | 1.011 | 1.011 | 1.011 |
| PCB-85/116 | 1.009 -1.019 | 1.014 | 1.015 | 1.015 | 1.015 | 1.014 | 1.015 |
| PCB-120 | 1.016 -1.026 | 1.021 | 1.021 | 1.021 | 1.021 | 1.021 | 1.021 |
| PCB-110 | 1.020 -1.030 | 1.025 | 1.025 | 1.024 | 1.025 | 1.025 | 1.025 |
| PCB-82 | 0.972 -0.982 | 0.976 | 0.976 | 0.976 | 0.976 | 0.977 | 0.976 |
| PCB-124 | 0.988 -0.998 | 0.993 | 0.993 | 0.992 | 0.993 | 0.993 | 0.993 |
| PCB-107/109 | 0.991 -1.001 | 0.996 | 0.996 | 0.997 | 0.996 | 0.996 | 0.996 |
| PCB-123 | 0.996 -1.006 | 1.000 | 1.000 | 1.001 | 1.001 | 1.000 | 1.001 |
| PCB-106/118 | 0.996 -1.006 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| PCB-114 | 0.995 -1.005 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-122 | 0.999 -1.009 | 1.004 | 1.004 | 1.004 | 1.003 | 1.003 | 1.003 |
| PCB-105 | 0.995 -1.005 | 1.000 | 1.001 | 1.000 | 1.000 | 1.001 | 1.001 |
| PCB-127 | 0.995 -1.005 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 |
| PCB-126 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | |
| PCB-155 | 0.995 -1.005 | 1.000 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| PCB-150 | 1.030 -1.040 | 1.034 | 1.034 | 1.035 | 1.035 | 1.035 | 1.035 |
| PCB-152 | 1.042 -1.052 | 1.047 | 1.047 | 1.048 | 1.047 | 1.047 | 1.047 |
| PCB-145 | 1.054 -1.064 | 1.059 | 1.059 | 1.060 | 1.059 | 1.059 | 1.059 |
| PCB-136 | 1.063 -1.073 | 1.068 | 1.068 | 1.068 | 1.068 | 1.068 | 1.068 |

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|---|---|---|---|---|---|---|---|---|
| PCB-148 | 1.066 | -1.076 | 1.071 | 1.071 | 1.072 | 1.071 | 1.071 | 1.071 |
| PCB-154 | 1.079 | -1.089 | 1.084 | 1.084 | 1.084 | 1.084 | 1.084 | 1.084 |
| PCB-151 | 1.095 | -1.107 | 1.102 | 1.102 | 1.102 | 1.102 | 1.101 | 1.101 |
| PCB-135 | 1.101 | -1.113 | 1.107 | 1.107 | 1.108 | 1.107 | 1.107 | 1.107 |
| PCB-144 | 1.105 | -1.116 | 1.110 | 1.111 | 1.111 | 1.110 | 1.110 | 1.111 |
| PCB-147 | 1.108 | -1.120 | 1.114 | 1.114 | 1.114 | 1.114 | 1.114 | 1.114 |
| PCB-139/149 | 1.115 | -1.127 | 1.121 | 1.121 | 1.121 | 1.121 | 1.121 | 1.121 |
| PCB-140 | 1.120 | -1.132 | 1.126 | 1.126 | 1.126 | 1.126 | 1.126 | 1.126 |
| PCB-134/143 | 0.970 | -0.980 | 0.975 | 0.975 | 0.975 | 0.975 | 0.975 | 0.975 |
| PCB-131/133 | 0.977 | -0.987 | 0.982 | 0.982 | 0.982 | 0.982 | 0.982 | 0.982 |
| PCB-142 | 0.981 | -0.991 | 0.985 | 0.986 | 0.985 | 0.985 | 0.985 | 0.985 |

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|---|---|---|---|---|---|---|---|---|
| PCB-146/165 | 0.986 -0.996 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 |
| PCB-132/161 | 0.992 -1.002 | 0.996 | 0.997 | 0.996 | 0.997 | 0.996 | 0.996 |
| PCB-153 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-168 | 1.000 -1.010 | 1.005 | 1.005 | 1.005 | 1.005 | 1.005 | 1.005 |
| PCB-141 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-137 | 1.004 -1.014 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 |
| PCB-130 | 1.007 -1.017 | 1.011 | 1.012 | 1.011 | 1.011 | 1.011 | 1.011 |
| PCB-138/163/164 | 0.996 -1.006 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| PCB-158/160 | 1.001 -1.011 | 1.006 | 1.006 | 1.006 | 1.006 | 1.006 | 1.006 |
| PCB-129 | 1.007 -1.017 | 1.012 | 1.012 | 1.011 | 1.012 | 1.012 | 1.012 |
| PCB-166 | 0.988 -0.998 | 0.993 | 0.993 | 0.993 | 0.993 | 0.993 | 0.993 |
| PCB-159 | 0.995 -1.005 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-128/162 | 1.002 -1.012 | 1.006 | 1.006 | 1.007 | 1.007 | 1.006 | 1.006 |
| PCB-167 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-156 | 0.995 -1.005 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-157 | 0.996 -1.006 | 1.000 | 1.000 | 1.001 | 1.001 | 1.001 | 1.000 |
| PCB-169 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | |
| PCB-188 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 |
| PCB-184 | 1.006 -1.016 | 1.011 | 1.011 | 1.011 | 1.011 | 1.011 | 1.011 |
| PCB-179 | 1.024 -1.034 | 1.029 | 1.029 | 1.029 | 1.029 | 1.029 | 1.029 |
| PCB-176 | 1.035 -1.045 | 1.040 | 1.040 | 1.040 | 1.040 | 1.040 | 1.040 |
| PCB-186 | 1.049 -1.059 | 1.054 | 1.054 | 1.054 | 1.054 | 1.054 | 1.054 |
| PCB-178 | 1.060 -1.070 | 1.066 | 1.066 | 1.065 | 1.066 | 1.066 | 1.066 |
| PCB-175 | 1.069 -1.079 | 1.074 | 1.073 | 1.074 | 1.074 | 1.074 | 1.074 |
| PCB-182/187 | 1.072 -1.082 | 1.078 | 1.078 | 1.077 | 1.078 | 1.078 | 1.078 |
| PCB-183 | 1.080 -1.090 | 1.085 | 1.085 | 1.085 | 1.085 | 1.085 | 1.085 |
| PCB-185 | 0.950 -0.960 | 0.955 | 0.956 | 0.956 | 0.955 | 0.956 | 0.956 |
| PCB-174 | 0.958 -0.968 | 0.963 | 0.963 | 0.963 | 0.963 | 0.963 | 0.963 |
| PCB-181 | 0.960 -0.970 | 0.965 | 0.965 | 0.965 | 0.965 | 0.965 | 0.965 |
| PCB-177 | 0.963 -0.973 | 0.968 | 0.969 | 0.969 | 0.968 | 0.969 | 0.968 |
| PCB-171 | 0.969 -0.979 | 0.974 | 0.974 | 0.974 | 0.974 | 0.974 | 0.974 |
| PCB-173 | 0.978 -0.988 | 0.983 | 0.983 | 0.983 | 0.983 | 0.983 | 0.983 |
| PCB-172 | 0.987 -0.997 | 0.992 | 0.992 | 0.992 | 0.992 | 0.992 | 0.992 |
| PCB-192 | 0.991 -1.001 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 | 0.996 |
| PCB-180 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-193 | 0.999 -1.009 | 1.004 | 1.004 | 1.004 | 1.004 | 1.005 | 1.004 |
| PCB-191 | 1.005 -1.015 | 1.010 | 1.009 | 1.010 | 1.010 | 1.010 | 1.009 |
| PCB-170 | 0.995 -1.005 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-190 | 0.999 -1.009 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 |
| PCB-189 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | |
| PCB-202 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-201 | 1.006 -1.016 | 1.010 | 1.010 | 1.010 | 1.011 | 1.010 | 1.010 |
| PCB-204 | 1.009 -1.019 | 1.014 | 1.014 | 1.014 | 1.014 | 1.014 | 1.014 |
| PCB-197 | 1.015 -1.025 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 | 1.020 |
| PCB-200 | 1.034 -1.044 | 1.039 | 1.039 | 1.039 | 1.039 | 1.039 | 1.039 |
| PCB-198 | 1.065 -1.075 | 1.069 | 1.069 | 1.069 | 1.069 | 1.069 | 1.069 |
| PCB-199 | 1.067 -1.077 | 1.071 | 1.072 | 1.072 | 1.072 | 1.072 | 1.072 |
| PCB-196/203 | 1.072 -1.082 | 1.078 | 1.077 | 1.077 | 1.078 | 1.078 | 1.078 |
| PCB-195 | 0.979 -0.989 | 0.984 | 0.984 | 0.984 | 0.984 | 0.984 | 0.984 |
| PCB-194 | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PCB-205 | 1.000 | -1.010 | 1.005 | 1.005 | 1.005 | 1.005 | 1.005 | 1.005 |
| PCB-208 | 0.995 | -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-207 | 1.001 | -1.011 | 1.006 | 1.006 | 1.006 | 1.006 | 1.006 | 1.006 |
| PCB-206 | 0.995 | -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PCB-209 | 0.995 | -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Total Mono-PCB | 0.000 | -0.000 | - | - | - | - | - | - |
| Total Di-PCB | 0.000 | -0.000 | - | - | - | - | - | - |
| Total Tri-PCB | 0.000 | -0.000 | - | - | - | - | - | - |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Total Tri-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Tetra-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Penta-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Penta-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Hexa-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Hexa-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Hepta-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Octa-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Octa-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Nona-PCB | 0.000 -0.000 | - | - | - | - | - | - |
| Total Deca-PCB | 0.995 -1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | |
| 13C-PCB-1 | 0.616 -0.622 | 0.619 | 0.619 | 0.619 | 0.619 | 0.618 | 0.619 |
| 13C-PCB-3 | 0.716 -0.724 | 0.720 | 0.720 | 0.720 | 0.720 | 0.720 | 0.720 |
| 13C-PCB-4 | 0.769 -0.777 | 0.772 | 0.772 | 0.772 | 0.772 | 0.772 | 0.772 |
| 13C-PCB-9 | 0.837 -0.845 | 0.842 | 0.842 | 0.842 | 0.842 | 0.842 | 0.842 |
| 13C-PCB-11 | 0.968 -0.978 | 0.973 | 0.973 | 0.973 | 0.973 | 0.973 | 0.973 |
| 13C-PCB-19 | 0.928 -0.938 | 0.933 | 0.933 | 0.933 | 0.933 | 0.933 | 0.933 |
| 13C-PCB-32 | 1.041 -1.051 | 1.047 | 1.046 | 1.046 | 1.047 | 1.046 | 1.046 |
| 13C-PCB-28 | 0.999 -1.009 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 |
| 13C-PCB-37 | 1.132 -1.144 | 1.138 | 1.138 | 1.138 | 1.138 | 1.138 | 1.137 |
| 13C-PCB-54 | 0.756 -0.764 | 0.760 | 0.760 | 0.760 | 0.760 | 0.760 | 0.760 |
| 13C-PCB-52 | 0.853 -0.861 | 0.857 | 0.857 | 0.857 | 0.857 | 0.857 | 0.857 |
| 13C-PCB-47 | 0.867 -0.875 | 0.871 | 0.870 | 0.870 | 0.871 | 0.871 | 0.871 |
| 13C-PCB-70 | 0.961 -0.971 | 0.966 | 0.966 | 0.966 | 0.966 | 0.966 | 0.966 |
| 13C-PCB-80 | 0.973 -0.983 | 0.978 | 0.978 | 0.978 | 0.978 | 0.978 | 0.978 |
| 13C-PCB-81 | 1.057 -1.067 | 1.062 | 1.062 | 1.062 | 1.062 | 1.062 | 1.062 |
| 13C-PCB-77 | 1.073 -1.083 | 1.078 | 1.078 | 1.078 | 1.078 | 1.078 | 1.078 |
| 13C-PCB-104 | 0.828 -0.836 | 0.832 | 0.832 | 0.832 | 0.832 | 0.832 | 0.832 |
| 13C-PCB-95 | 0.908 -0.918 | 0.913 | 0.913 | 0.913 | 0.913 | 0.913 | 0.913 |
| 13C-PCB-101 | 0.951 -0.961 | 0.956 | 0.956 | 0.956 | 0.956 | 0.956 | 0.956 |
| 13C-PCB-97 | 0.984 -0.994 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 |
| 13C-PCB-123 | 1.049 -1.059 | 1.054 | 1.054 | 1.054 | 1.054 | 1.054 | 1.054 |
| 13C-PCB-118 | 1.054 -1.064 | 1.059 | 1.059 | 1.059 | 1.059 | 1.059 | 1.059 |
| 13C-PCB-114 | 0.905 -0.915 | 0.910 | 0.910 | 0.910 | 0.910 | 0.910 | 0.910 |
| 13C-PCB-105 | 0.924 -0.934 | 0.929 | 0.929 | 0.929 | 0.929 | 0.929 | 0.929 |
| 13C-PCB-127 | 0.931 -0.941 | 0.936 | 0.936 | 0.936 | 0.936 | 0.936 | 0.936 |
| 13C-PCB-126 | 0.972 -0.982 | 0.977 | 0.977 | 0.977 | 0.977 | 0.977 | 0.977 |
| 13C-PCB-155 | 0.939 -0.949 | 0.944 | 0.944 | 0.944 | 0.944 | 0.944 | 0.944 |
| 13C-PCB-153 | 0.928 -0.938 | 0.932 | 0.932 | 0.933 | 0.932 | 0.932 | 0.932 |
| 13C-PCB-141 | 0.944 -0.954 | 0.948 | 0.948 | 0.948 | 0.948 | 0.948 | 0.948 |
| 13C-PCB-138 | 0.962 -0.972 | 0.966 | 0.966 | 0.967 | 0.966 | 0.966 | 0.966 |
| 13C-PCB-159 | 0.989 -0.999 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 | 0.994 |
| 13C-PCB-167 | 1.004 -1.014 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 | 1.009 |
| 13C-PCB-156 | 1.032 -1.042 | 1.037 | 1.037 | 1.037 | 1.037 | 1.037 | 1.037 |
| 13C-PCB-157 | 1.037 -1.047 | 1.043 | 1.043 | 1.042 | 1.042 | 1.043 | 1.042 |
| 13C-PCB-169 | 1.085 -1.095 | 1.090 | 1.090 | 1.090 | 1.090 | 1.090 | 1.090 |
| 13C-PCB-188 | 0.923 -0.933 | 0.928 | 0.928 | 0.928 | 0.928 | 0.928 | 0.928 |
| 13C-PCB-180 | 1.064 -1.074 | 1.068 | 1.068 | 1.069 | 1.069 | 1.069 | 1.068 |
| 13C-PCB-170 | 1.097 -1.109 | 1.103 | 1.103 | 1.103 | 1.103 | 1.103 | 1.103 |
| 13C-PCB-189 | 1.132 -1.144 | 1.138 | 1.138 | 1.138 | 1.138 | 1.138 | 1.138 |
| 13C-PCB-202 | 1.040 -1.050 | 1.045 | 1.045 | 1.045 | 1.045 | 1.045 | 1.045 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-194 | 0.990 | -1.000 | 0.995 | 0.995 | 0.995 | 0.995 | 0.995 | 0.995 |
| 13C-PCB-208 | 0.977 | -0.987 | 0.981 | 0.981 | 0.981 | 0.981 | 0.981 | 0.981 |
| 13C-PCB-206 | 1.019 | -1.029 | 1.024 | 1.024 | 1.024 | 1.024 | 1.024 | 1.024 |
| 13C-PCB-209 | 1.043 | -1.053 | 1.048 | 1.048 | 1.048 | 1.048 | 1.048 | 1.048 |
| | | | | | | | | |
| 13C-PCB-15 | 0.000 | -0.000 | * | * | * | * | * | * |
| 13C-PCB-31 | 0.000 | -0.000 | * | * | * | * | * | * |
| 13C-PCB-60 | 0.000 | -0.000 | * | * | * | * | * | * |
| 13C-PCB-111 | 0.000 | -0.000 | * | * | * | * | * | * |
| 13C-PCB-128 | 0.000 | -0.000 | * | * | * | * | * | * |
| 13C-PCB-182 | 0.000 | -0.000 | * | * | * | * | * | * |

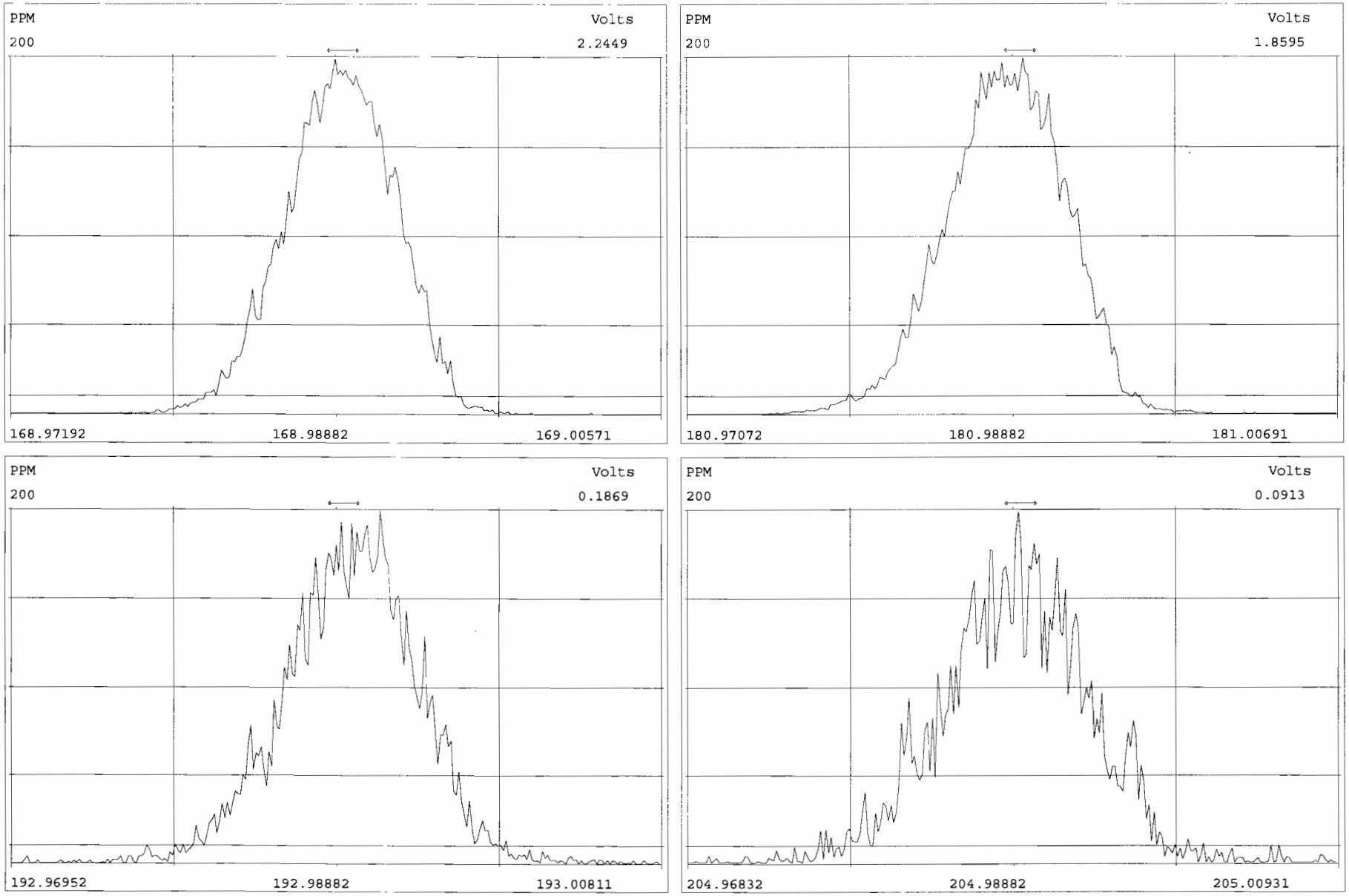
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-205 | 0.000 | -0.000 | * | * | * | * | * | * |
| | | | | | | | | |
| 13C-PCB-79 | 1.024 | -1.034 | 1.029 | 1.029 | 1.029 | 1.029 | 1.029 | 1.029 |
| 13C-PCB-178 | 0.980 | -0.990 | 0.985 | 0.985 | 0.985 | 0.985 | 0.985 | 0.985 |
| | | | | | | | | |
| 13C-PCB-79 | 0.963 | -0.973 | 0.969 | 0.969 | 0.969 | 0.969 | 0.969 | 0.969 |
| 13C-PCB-178 | 0.920 | -0.930 | 0.925 | 0.925 | 0.925 | 0.925 | 0.925 | 0.925 |

Vista Analytical Laboratory - Injection Log Run file: 180208E1 Instrument ID: VG-8 GC Column ID: ZB-1

| Data file | S# | Sample ID | Analyst | Acq date | Acq time | CCal | ECal |
|---|---|---|---|---|---|---|---|
| 180208E1 | 1 | ST180208E1-1 | MAS | 8-FEB-18 | 08:34:42 | NA | NA |
| 180208E1 | 2 | ST180208E1-2 | MAS | 8-FEB-18 | 09:39:46 | NA | NA |
| 180208E1 | 3 | ST180208E1-3 | MAS | 8-FEB-18 | 10:44:54 | NA | NA |
| 180208E1 | 4 | ST180208E1-4 | MAS | 8-FEB-18 | 11:50:02 | NA | NA |
| 180208E1 | 5 | ST180208E1-5 | MAS | 8-FEB-18 | 12:55:10 | NA | NA |
| 180208E1 | 6 | ST180208E1-6 | MAS | 8-FEB-18 | 14:00:18 | NA | NA |
| 180208E1 | 7 | SOLVENT BLANK | MAS | 8-FEB-18 | 15:05:26 | NA | NA |
| 180208E1 | 8 | SS180208E1-1 | MAS | 8-FEB-18 | 16:10:35 | NA | NA |

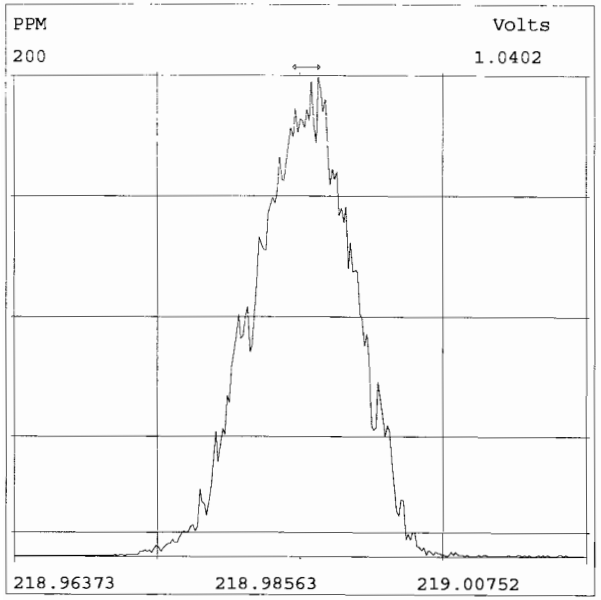
Peak Locate Examination: 8-FEB-2018:08:33 File:180208E1

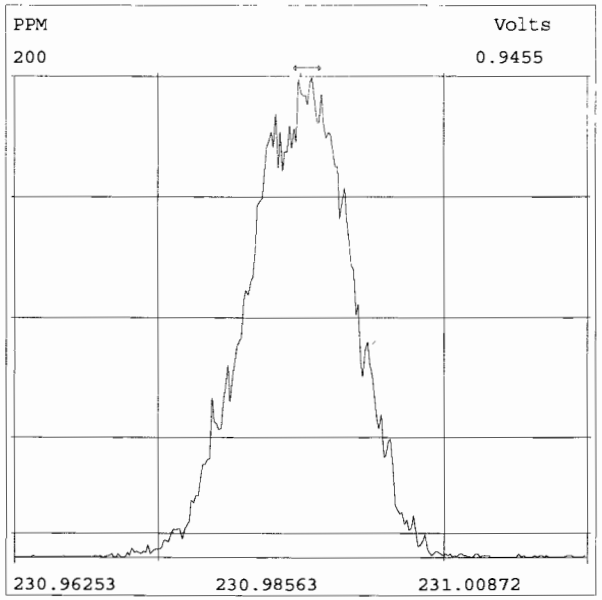
Experiment:PCB_ZB1 Function:1 Reference:PFK

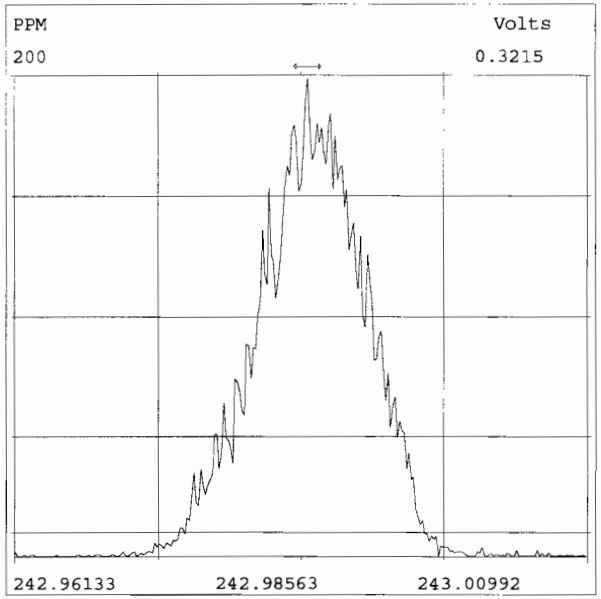


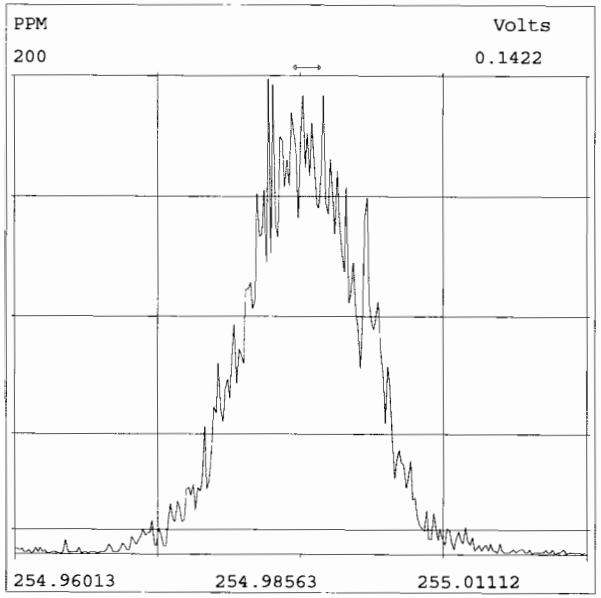
Peak Locate Examination: 8-FEB-2018:08:33 File:180208E1

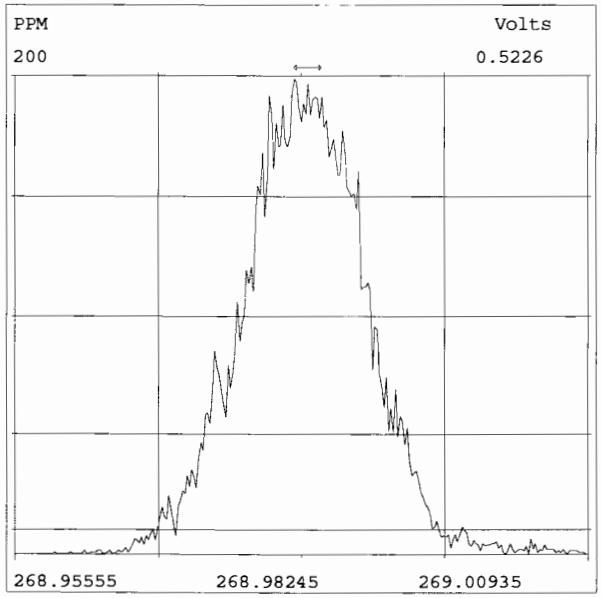
Experiment:PCB_ZB1 Function:2 Reference:PFK

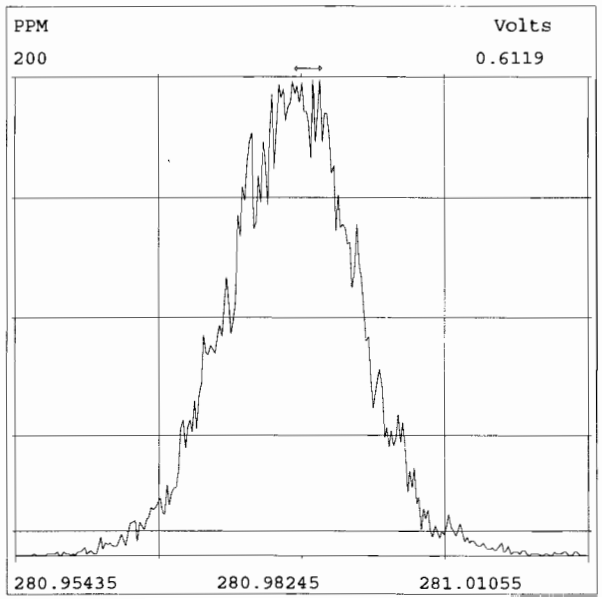


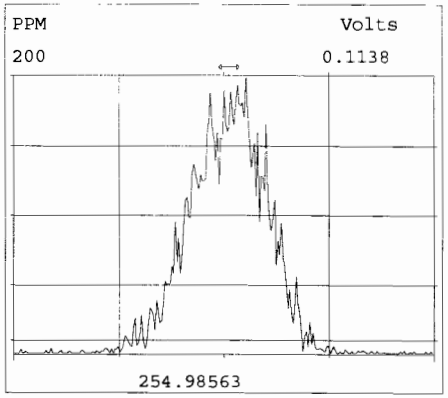



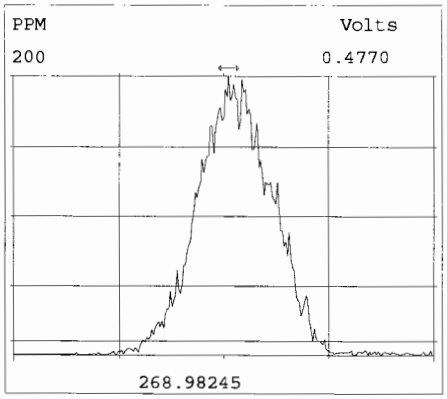



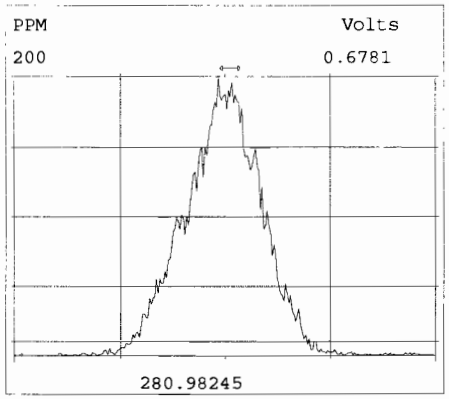



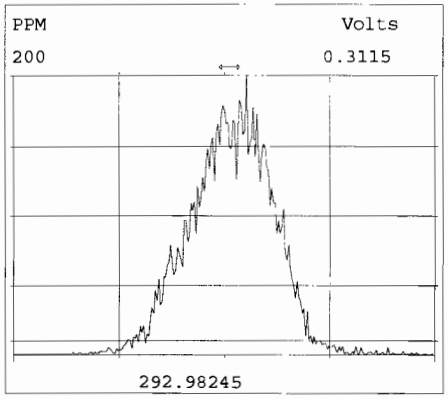
Peak Locate Examination: 8-FEB-2018:08:33 File:180208E1

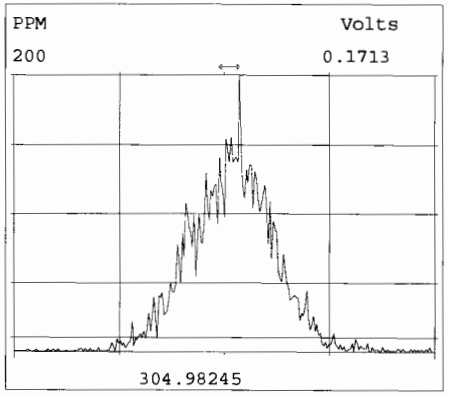
Experiment:PCB_ZB1 Function:3 Reference:PFK

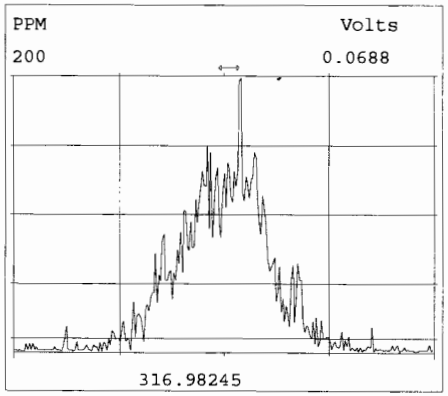


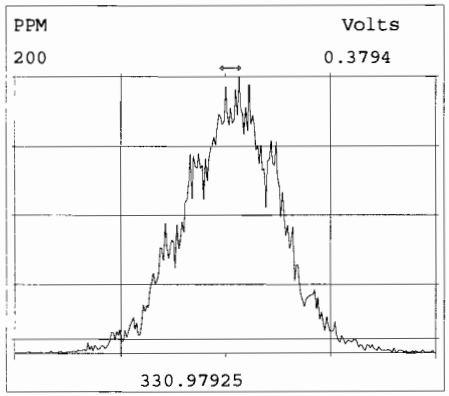



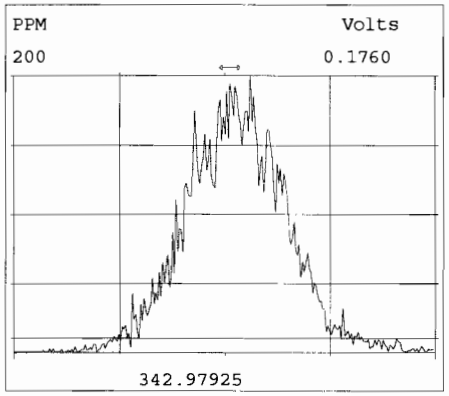



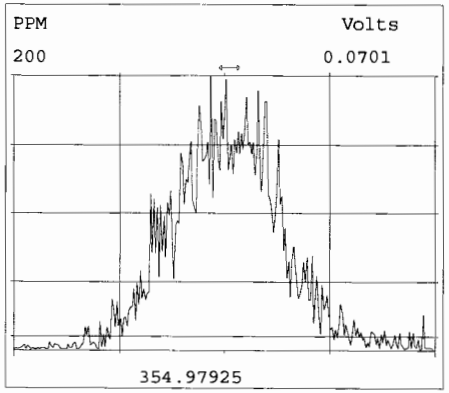



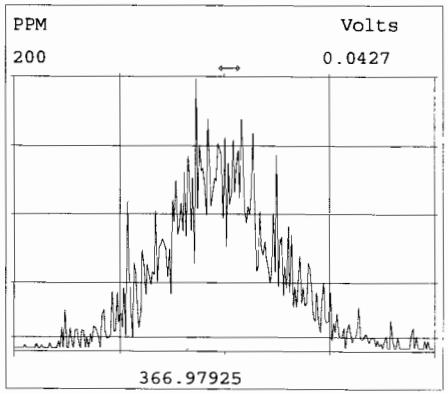



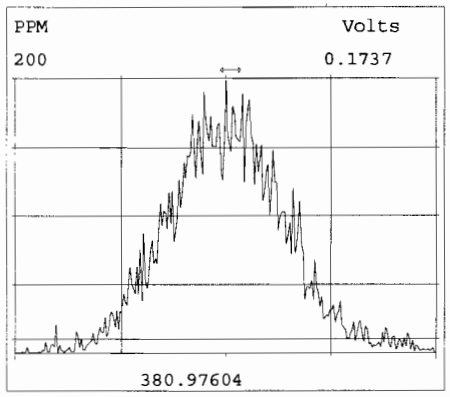



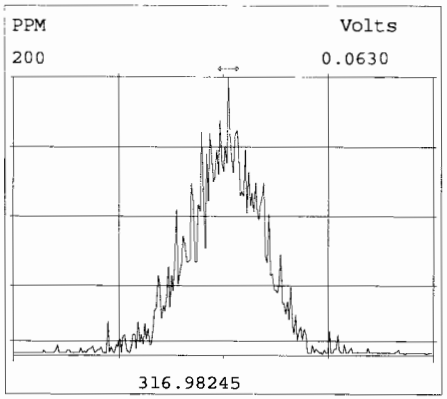



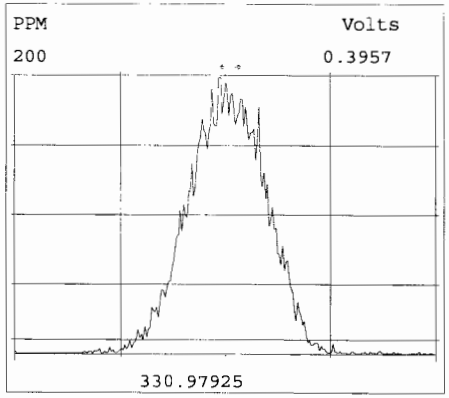



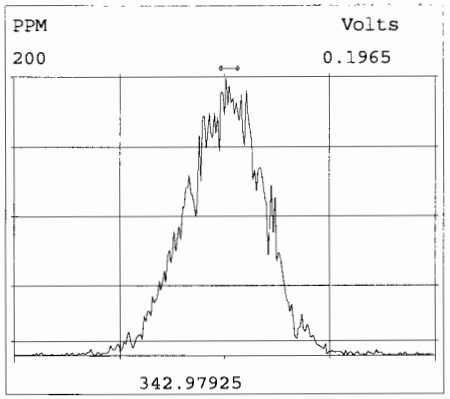



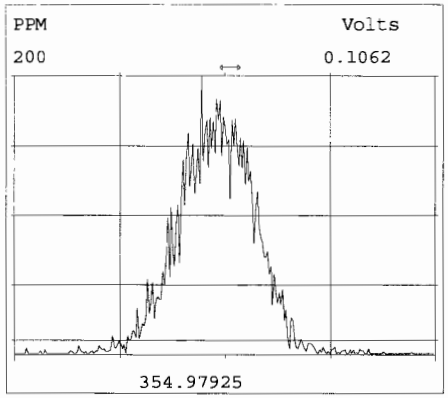
Peak Locate Examination: 8-FEB-2018:08:34 File:180208E1

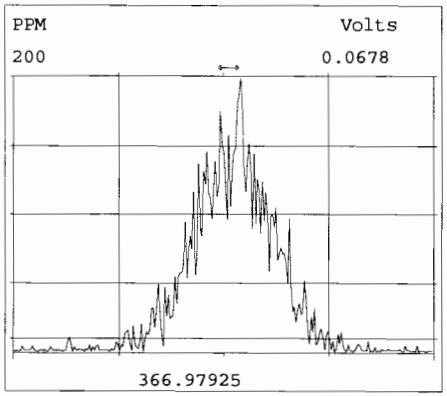
Experiment:PCB_ZB1 Function:4 Reference:PFK

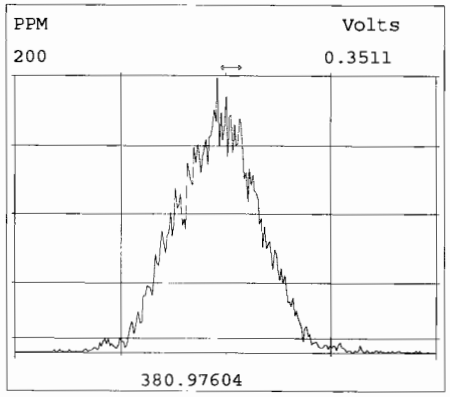


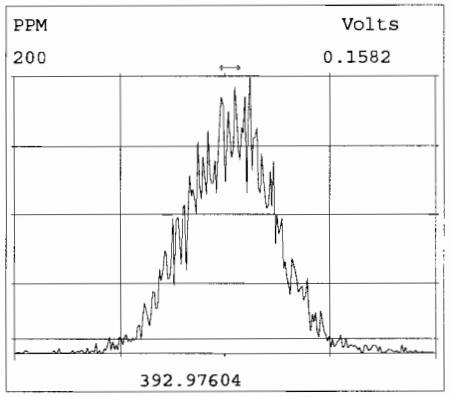



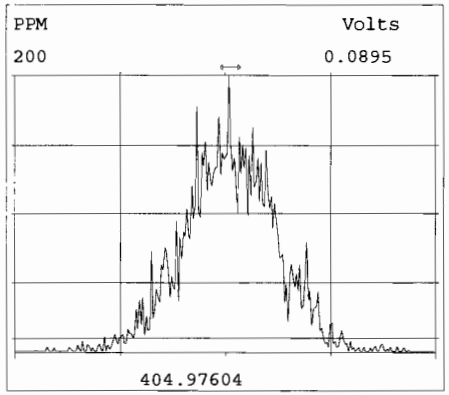



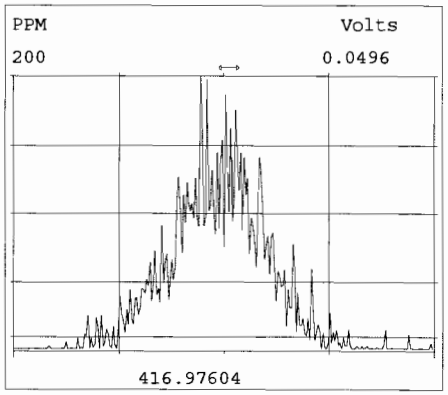



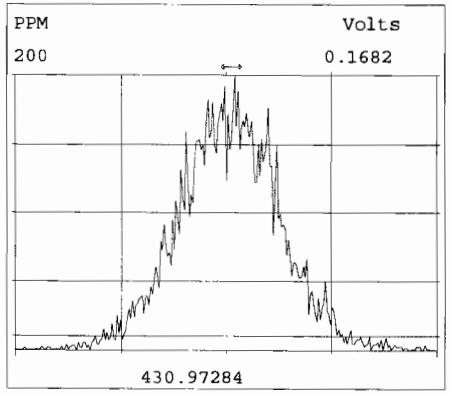



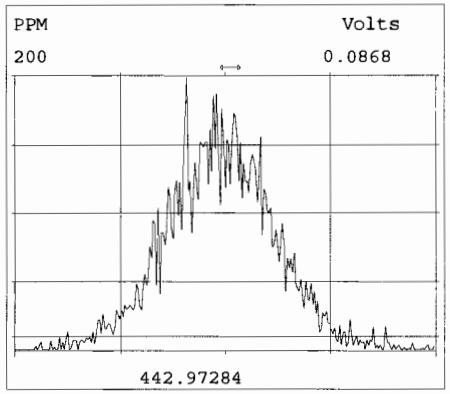



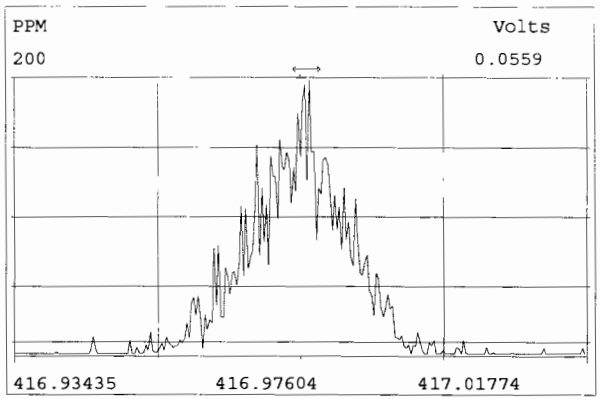



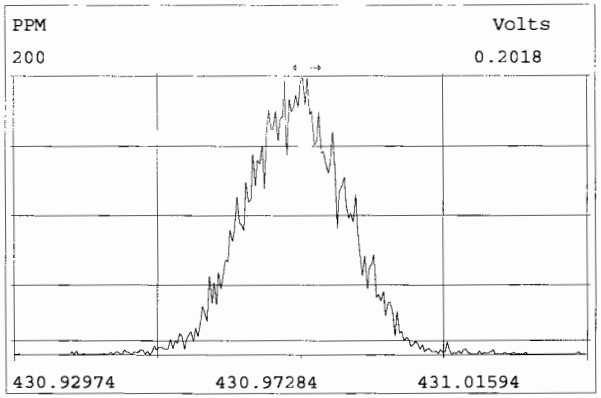



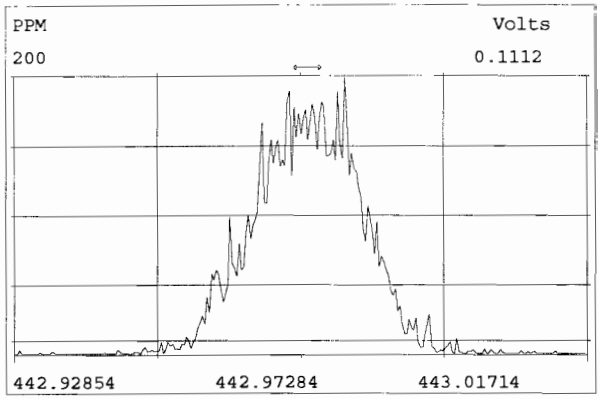



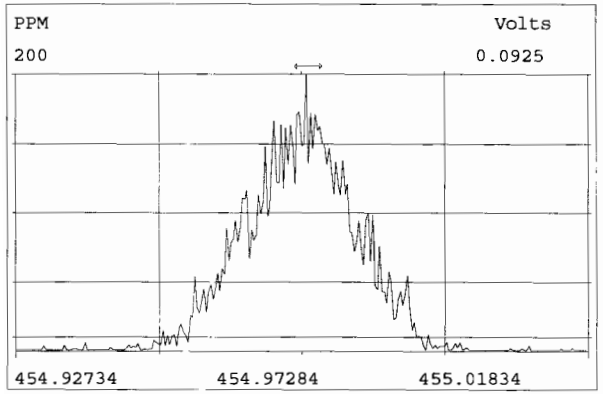
Peak Locate Examination: 8-FEB-2018:08:34 File:180208E1

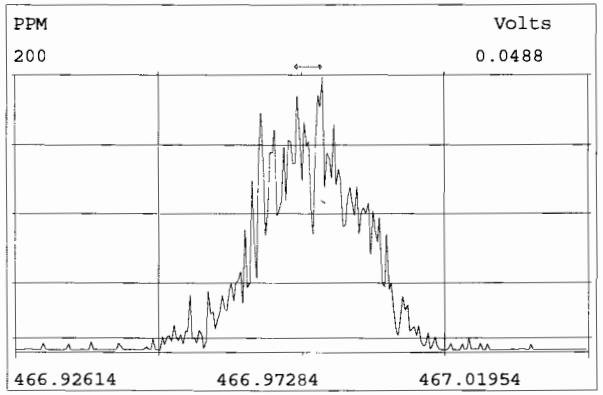
Experiment:PCB_ZB1 Function:5 Reference:PFK

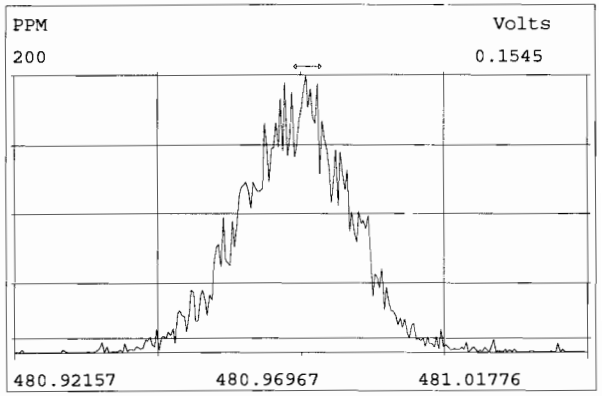


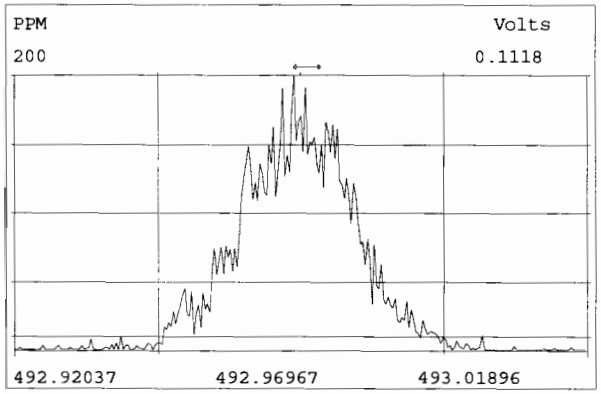



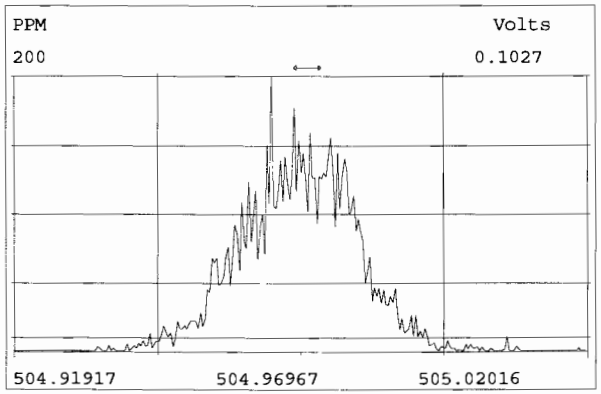



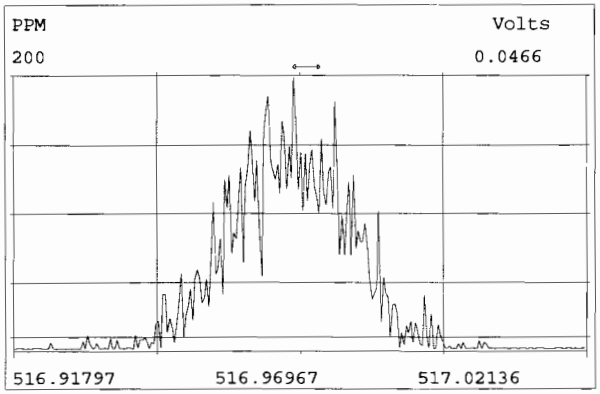



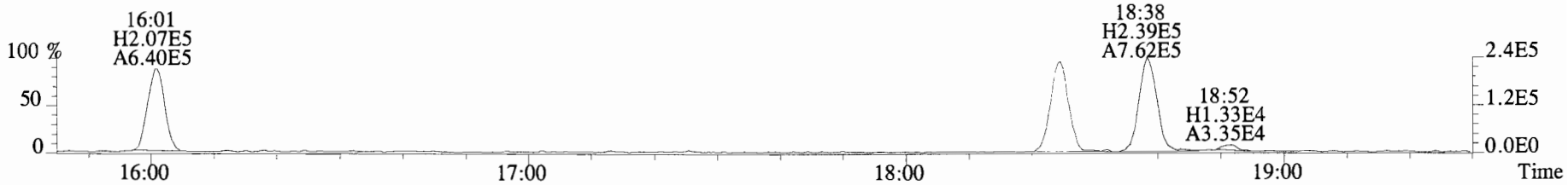



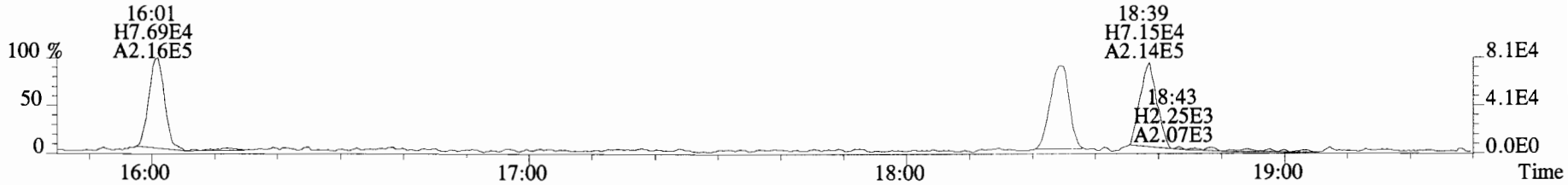



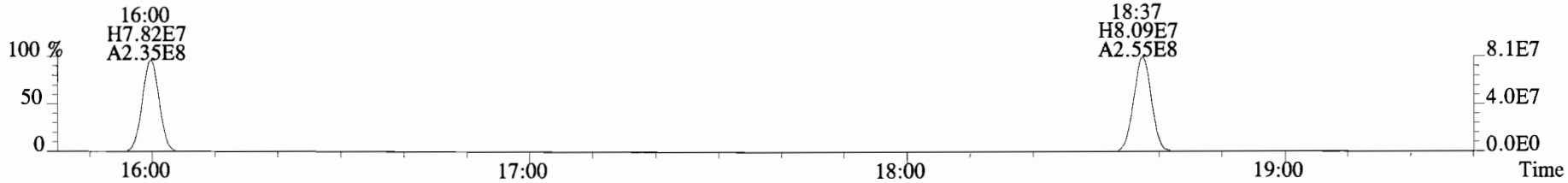
File:180208E1 #1-866 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
188.0393 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5684.0,0.00%,F,F)



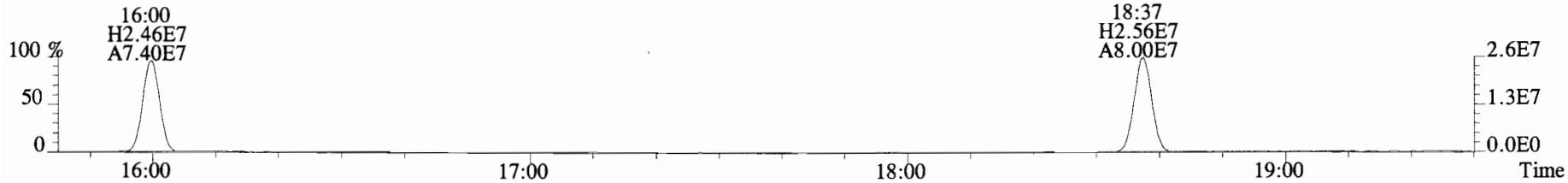

190.0363 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3772.0,0.00%,F,F)



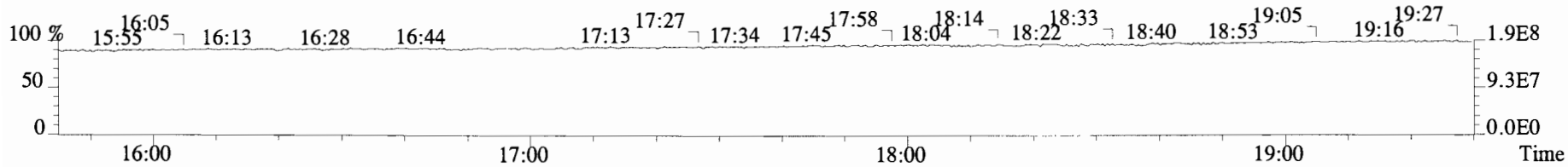

200.0795 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7776.0,0.00%,F,F)



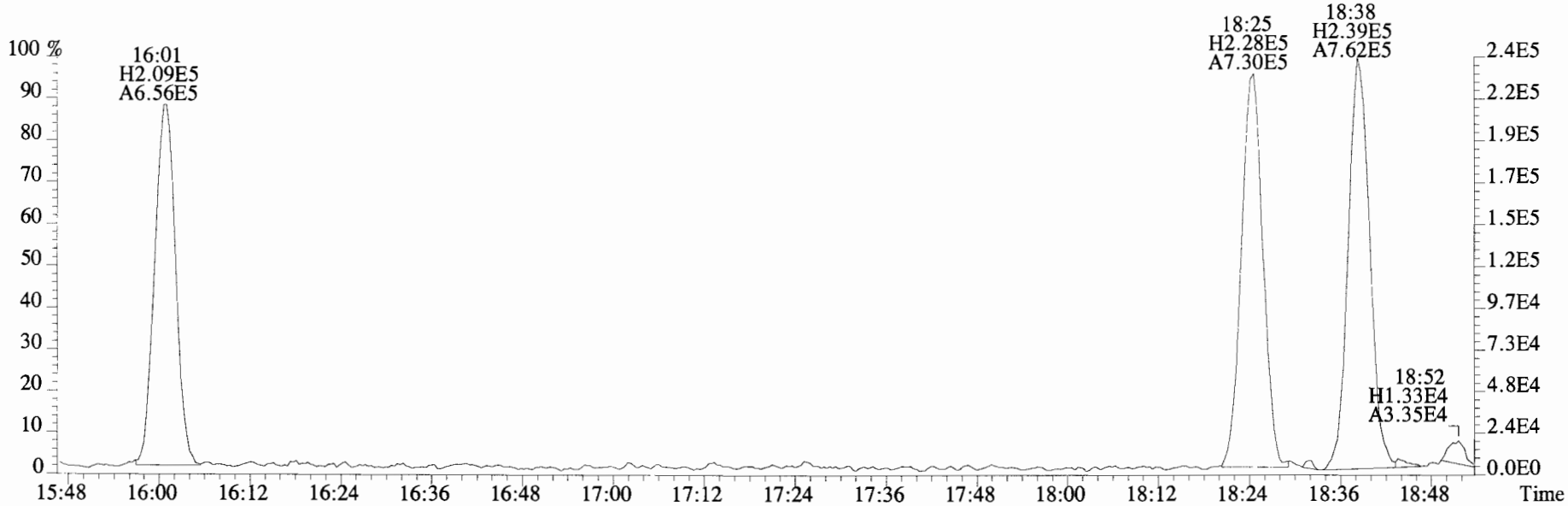

202.0766 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,86760.0,0.00%,F,F)



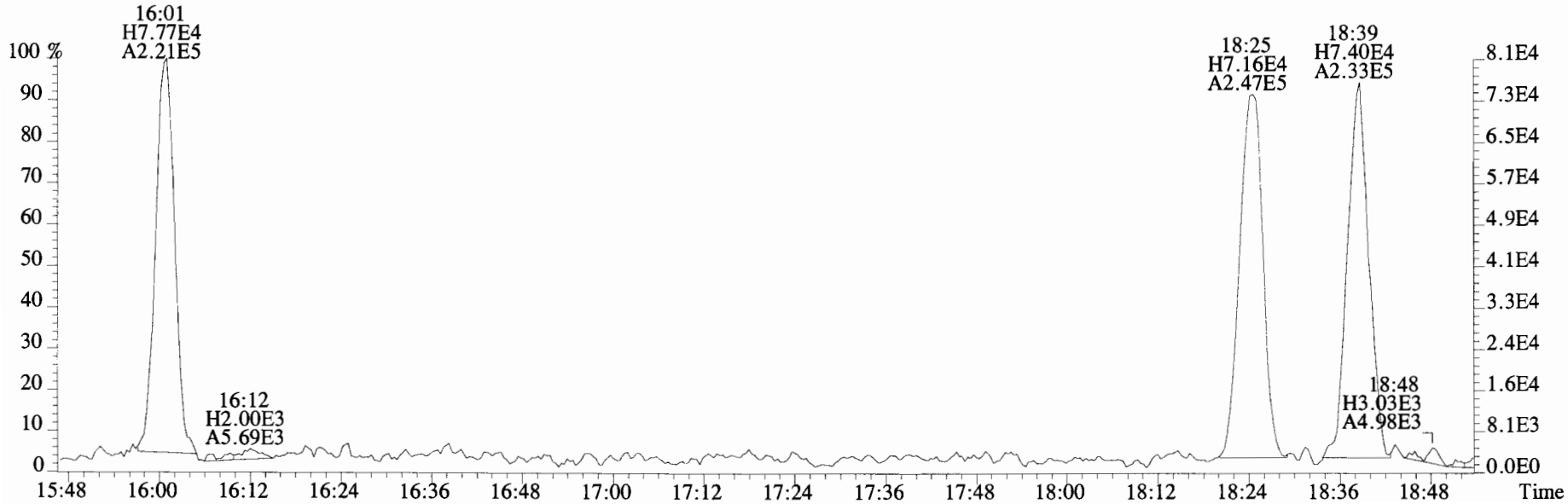

180.9880



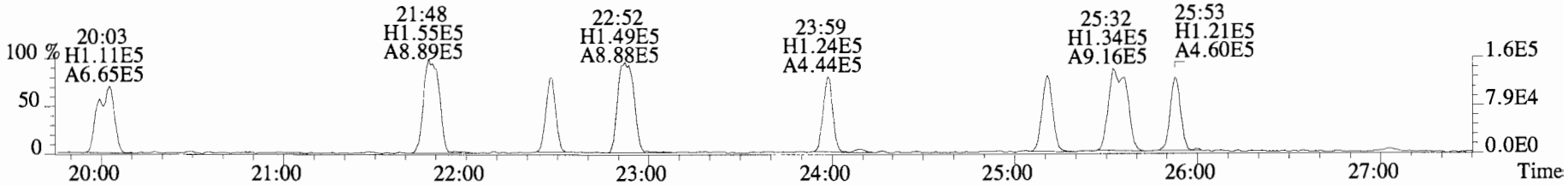
File:180208E1 #1-866 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
188.0393 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5684.0,0.00%,F,F)



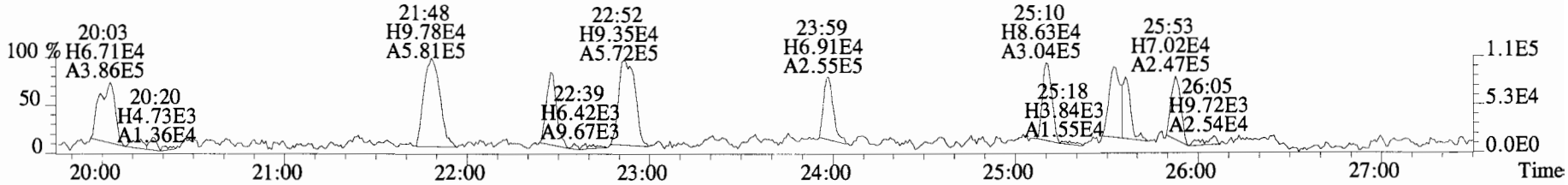

190.0363 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3772.0,0.00%,F,F)



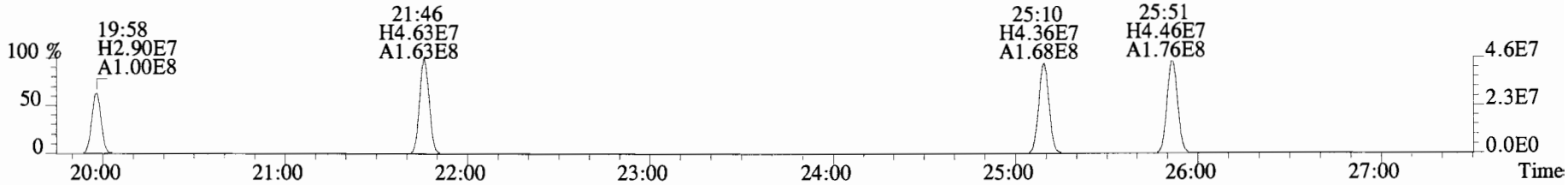
File:180208E1 #1-758 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
222.0003 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3620.0,0.00%,F,F)



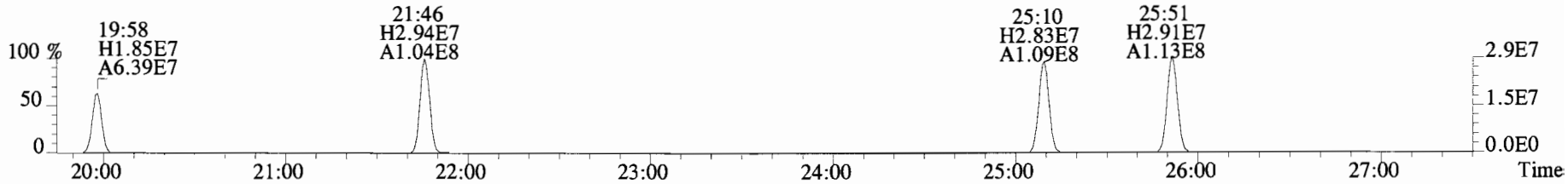

223.9974 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15204.0,0.00%,F,F)



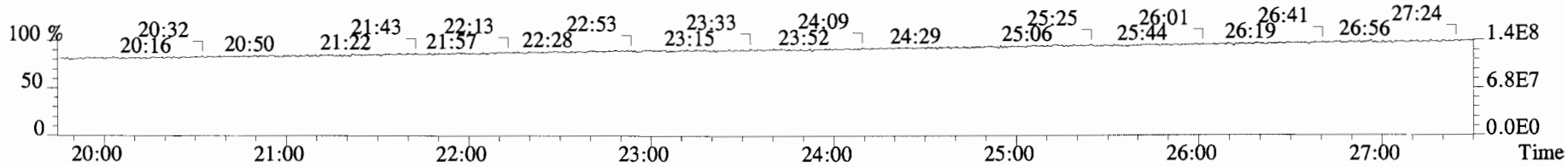

234.0406 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6700.0,0.00%,F,F)



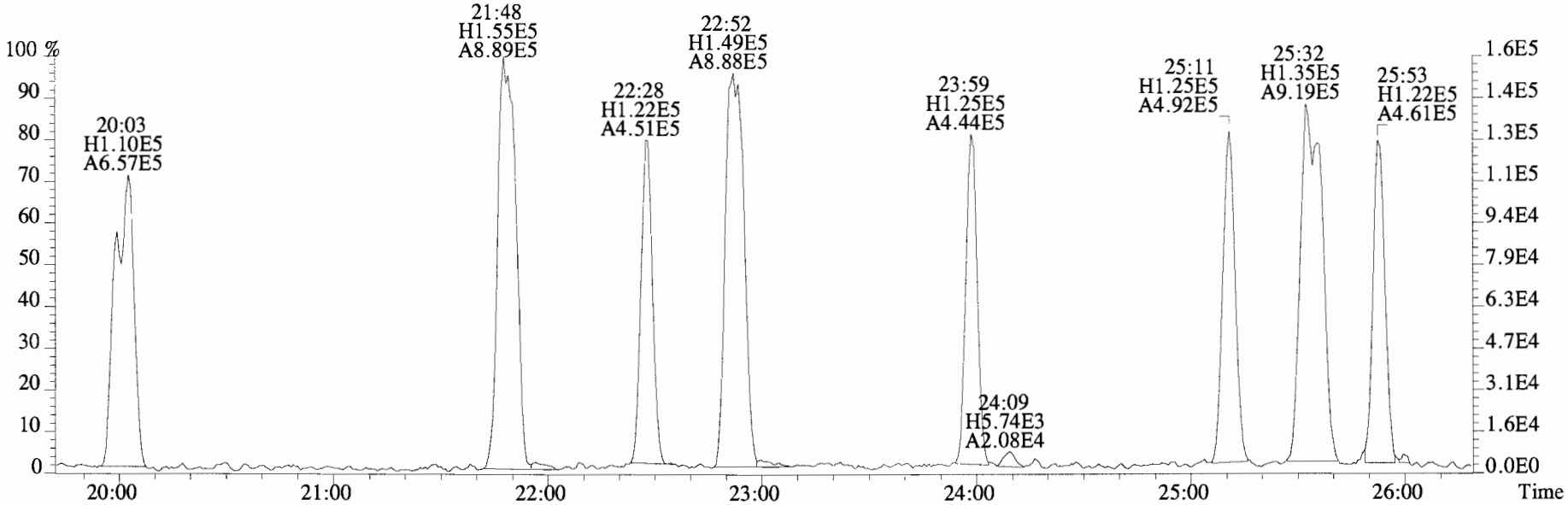

236.0376 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5444.0,0.00%,F,F)



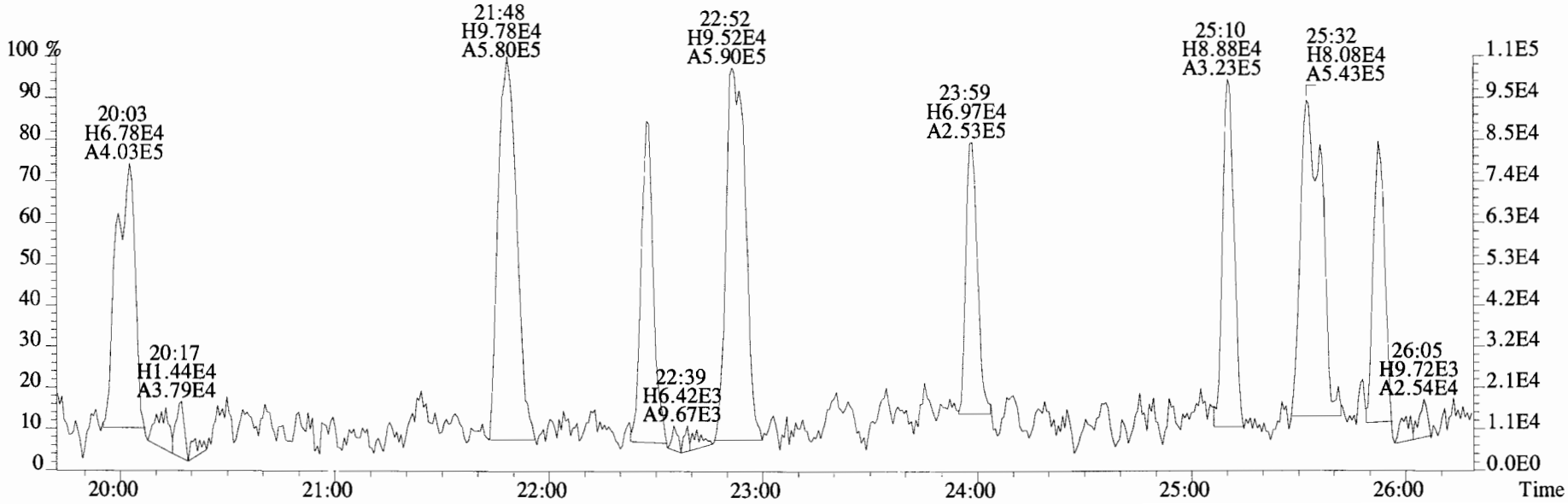

230.9856 F:2



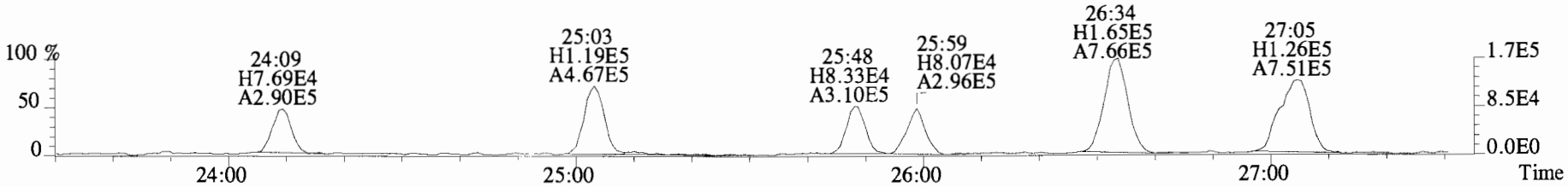
File:180208E1 #1-758 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
222.0003 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3620.0,0.00%,F,F)



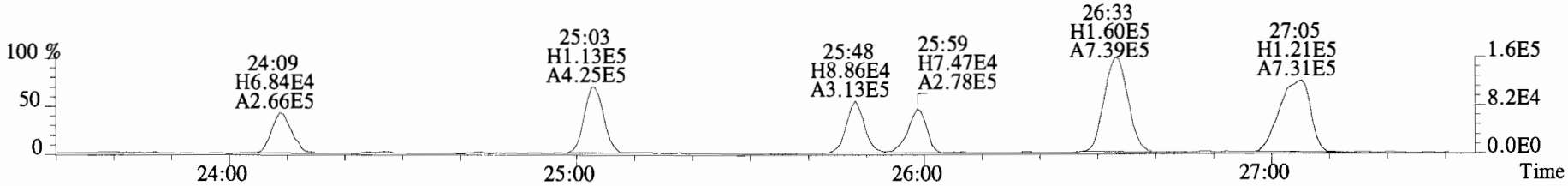

223.9974 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15204.0,0.00%,F,F)



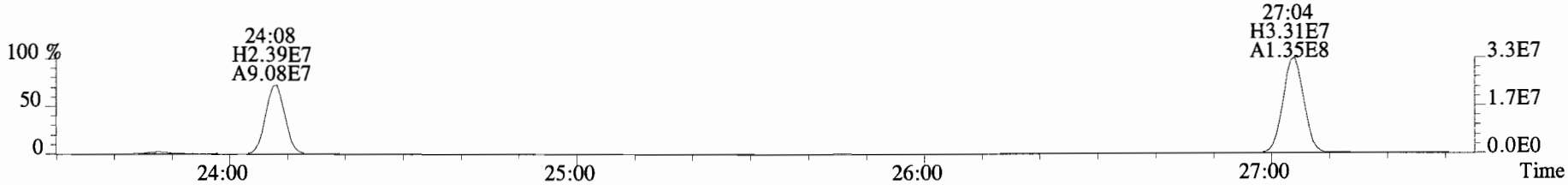
File:180208E1 #1-758 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
255.9613 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4364.0,0.00%,F,F)



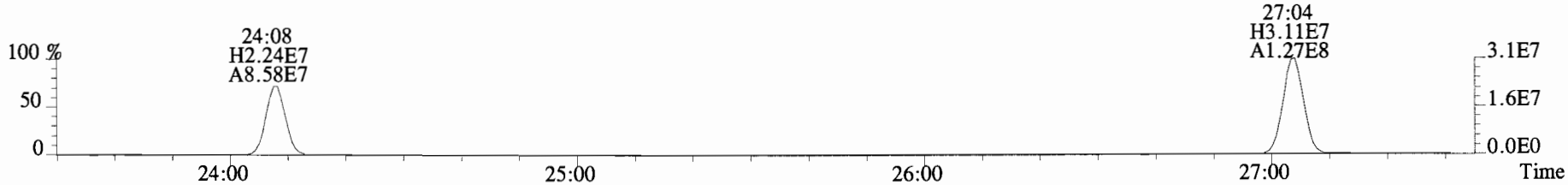

257.9584 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2976.0,0.00%,F,F)



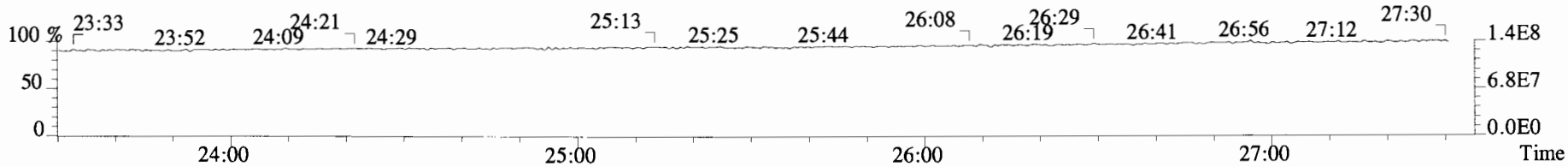

268.0016 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,77488.0,0.00%,F,F)



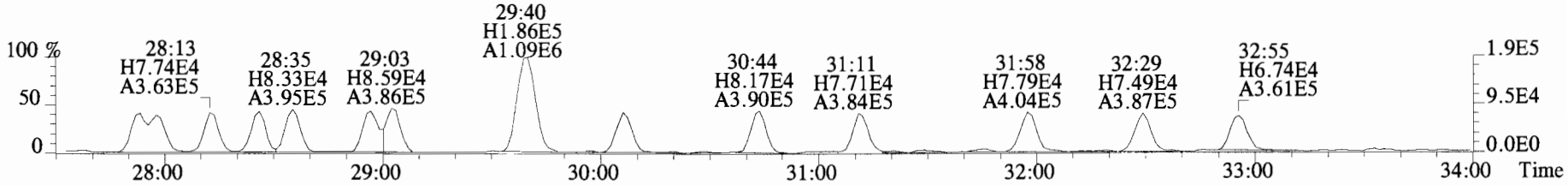

269.9986 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35276.0,0.00%,F,F)



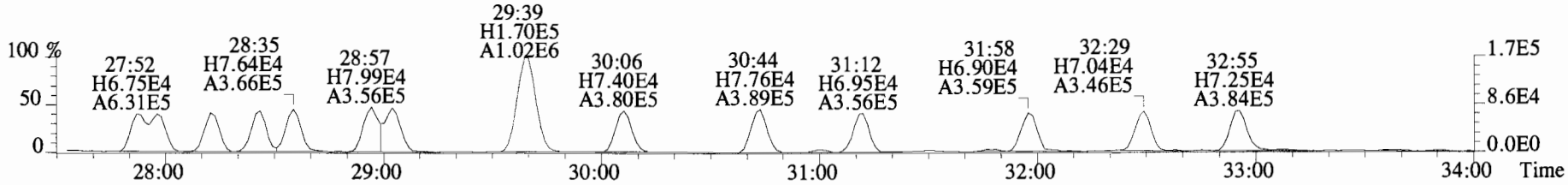

230.9856 F:2



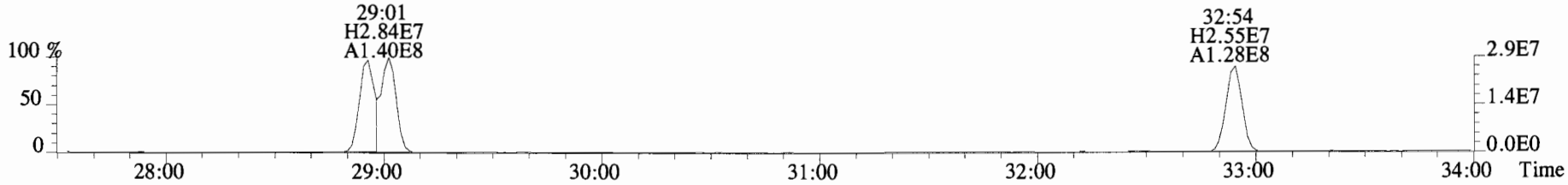
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3672.0,0.00%,F,F)



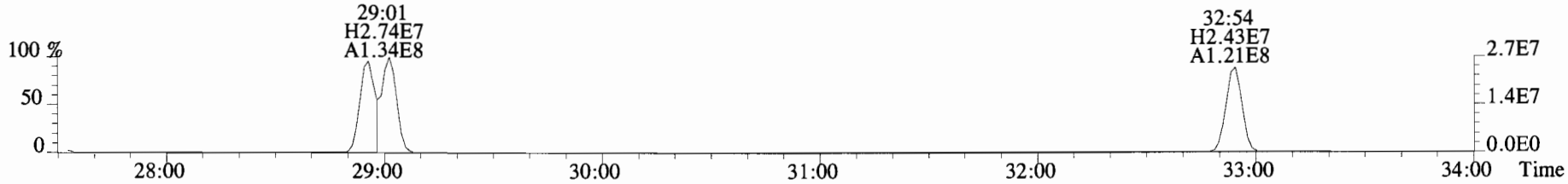

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2664.0,0.00%,F,F)



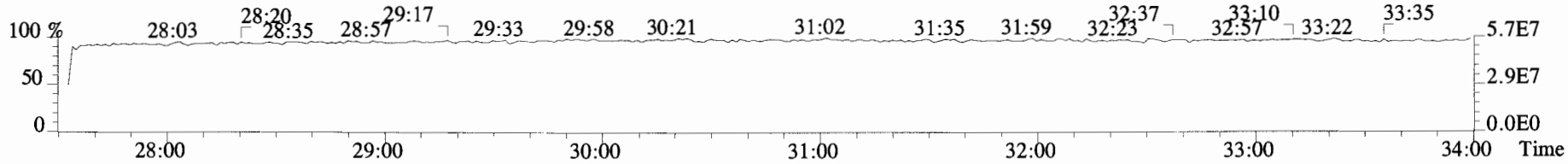

268.0016 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,107320.0,0.00%,F,F)



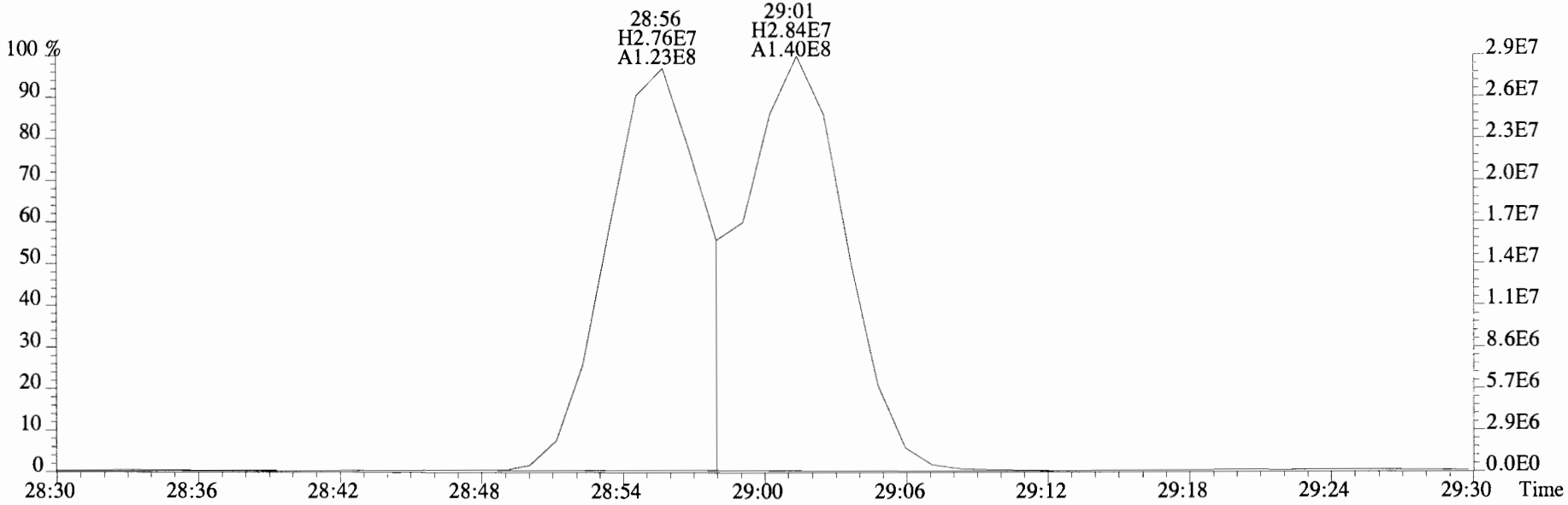

269.9986 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24844.0,0.00%,F,F)



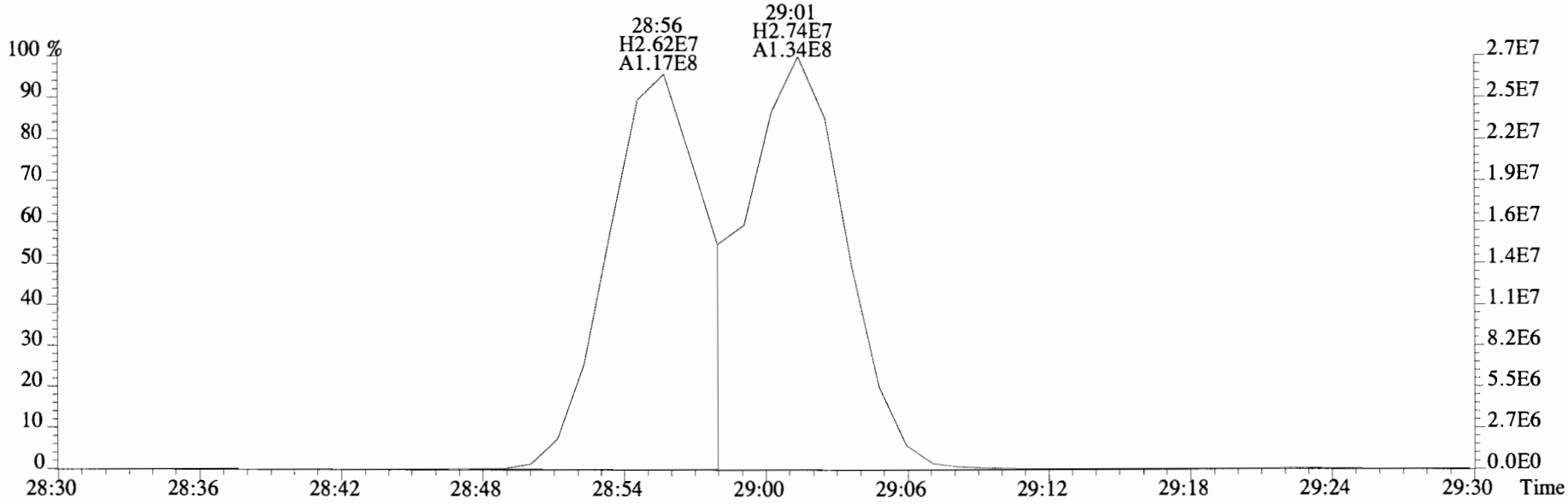

330.9792 F:3



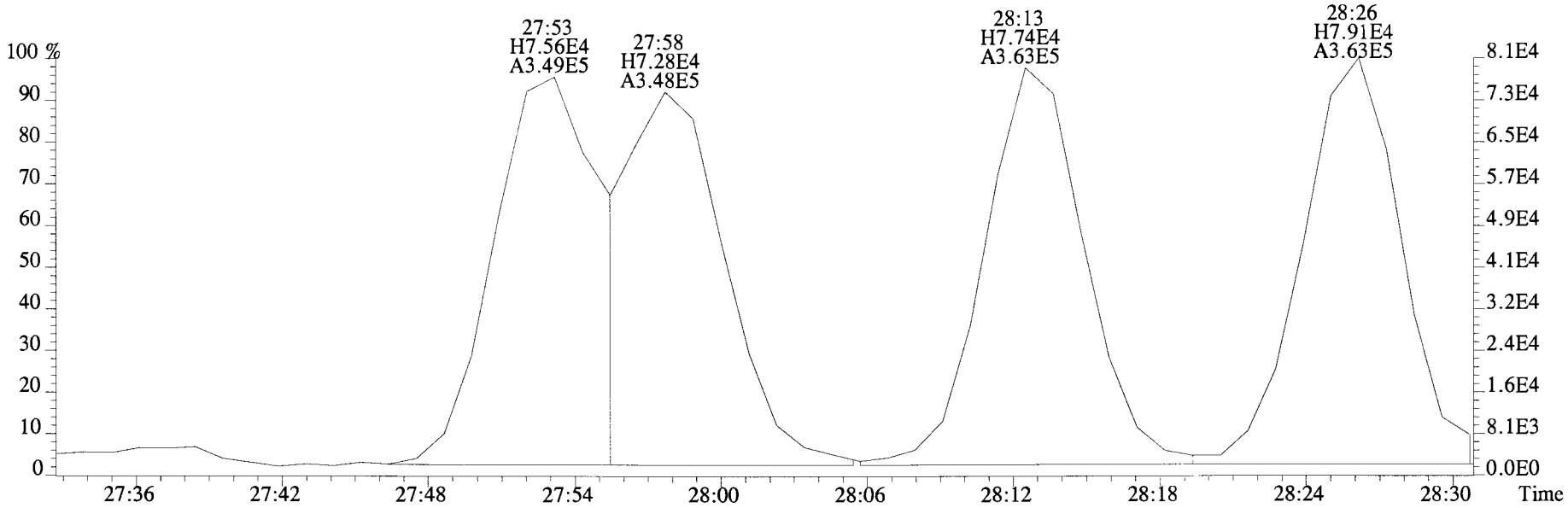
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
268.0016 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,107320.0,0.00%,F,F)



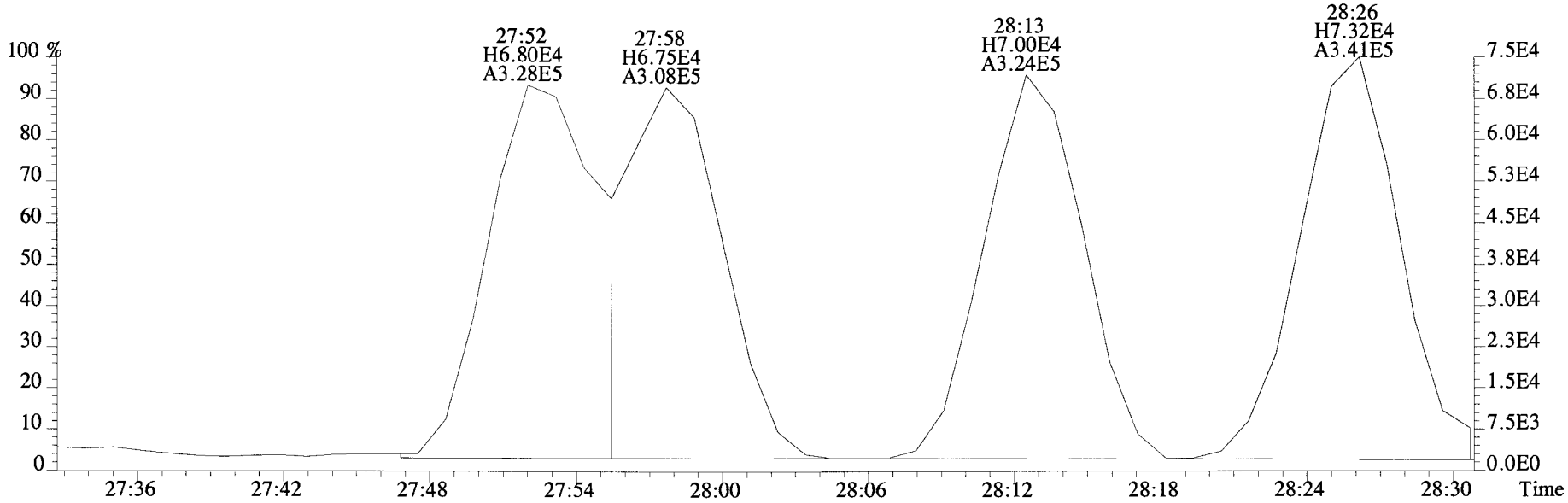

269.9986 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24844.0,0.00%,F,F)



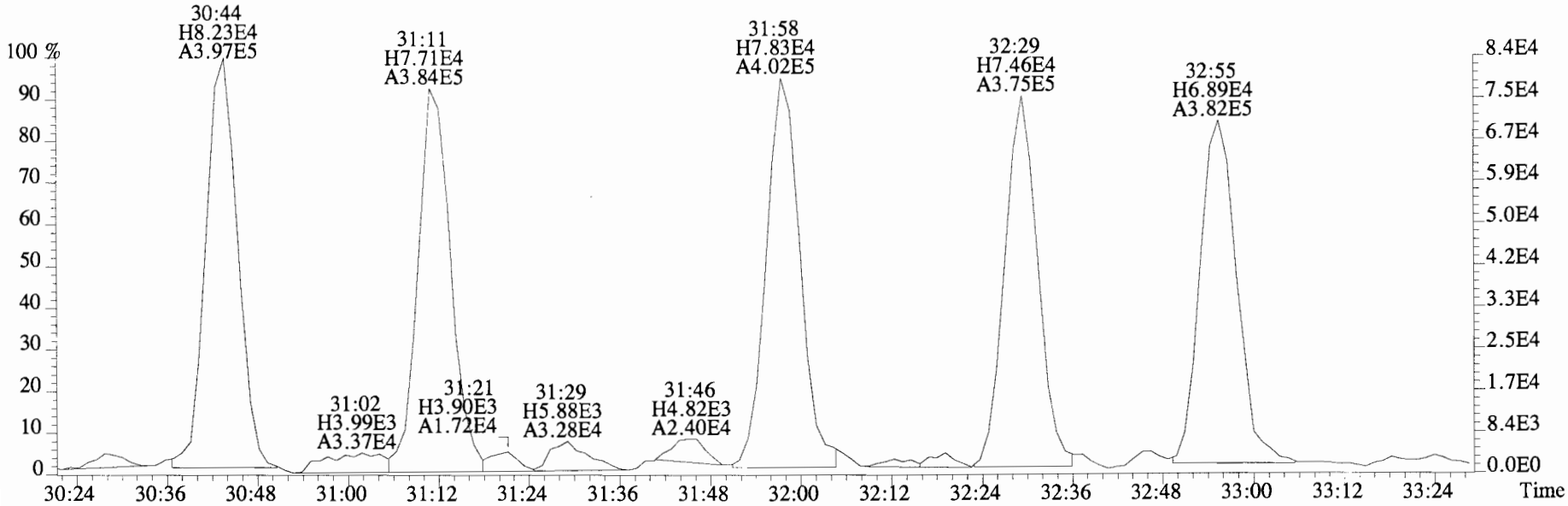
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3672.0,0.00%,F,F)



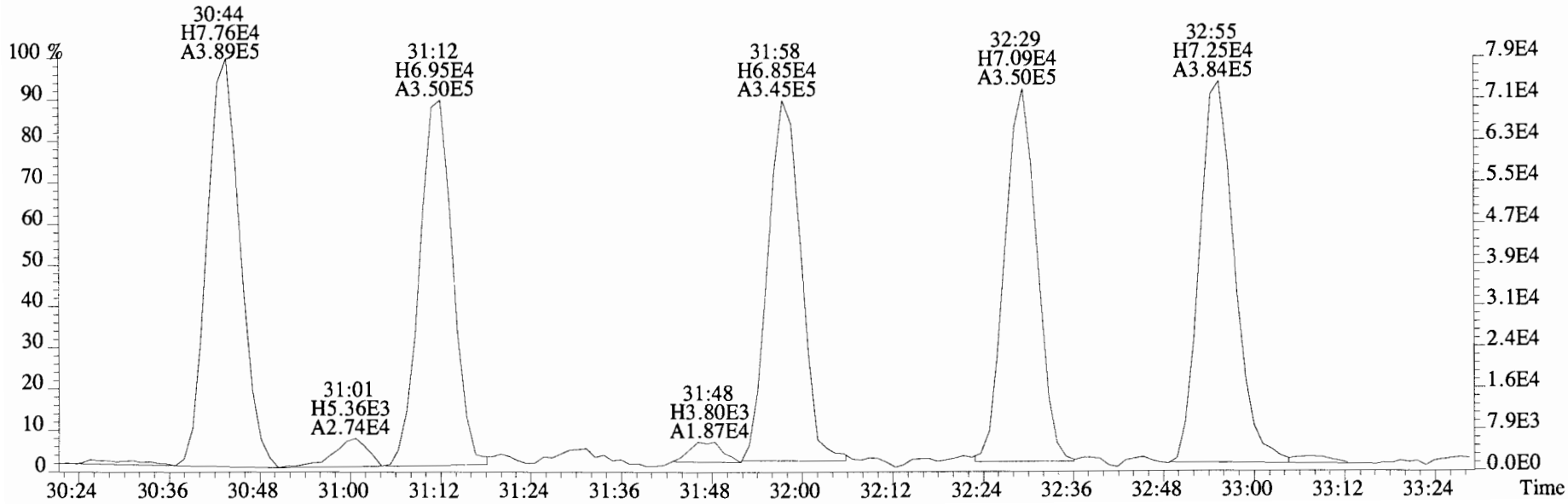

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2664.0,0.00%,F,F)



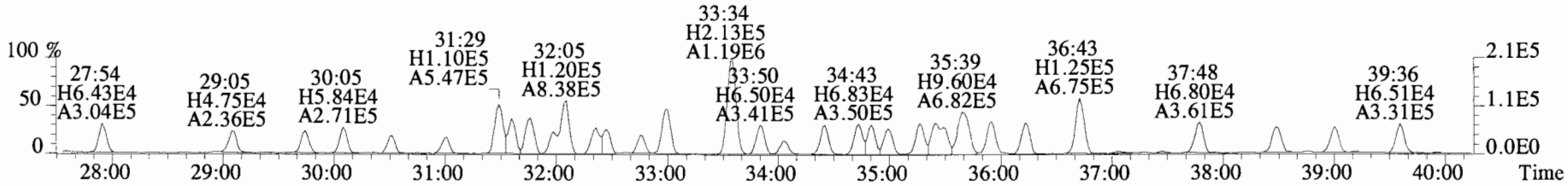
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
255.9613 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3672.0,0.00%,F,F)



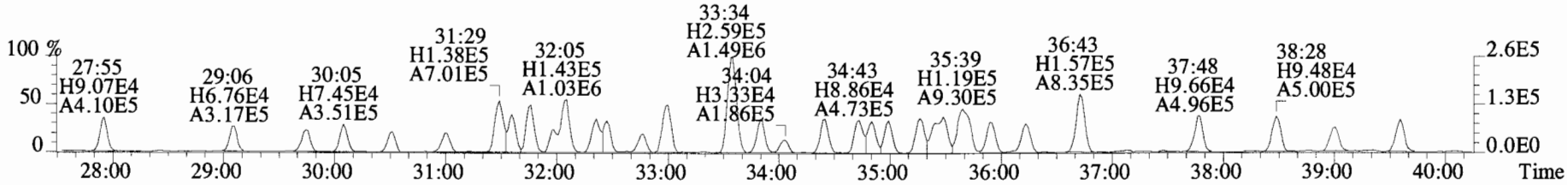

257.9584 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2664.0,0.00%,F,F)



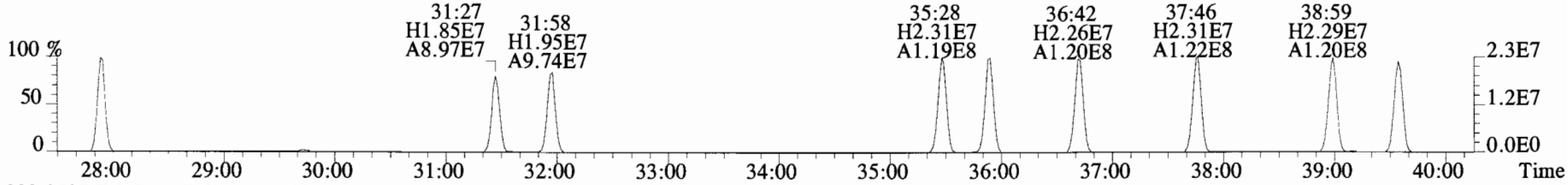
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2828.0,0.00%,F,F)



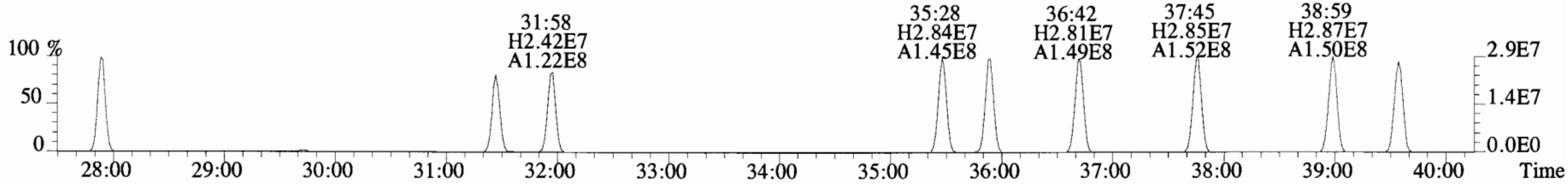

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



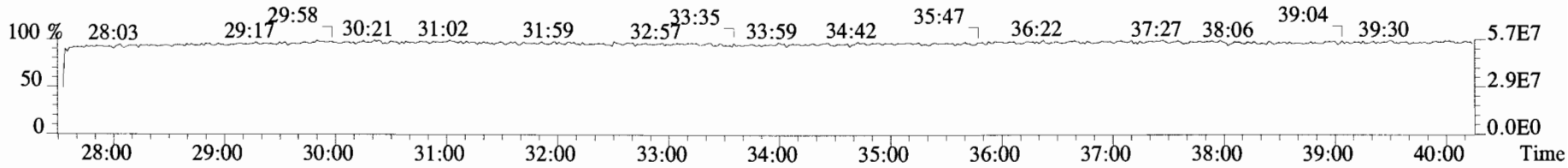

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33956.0,0.00%,F,F)



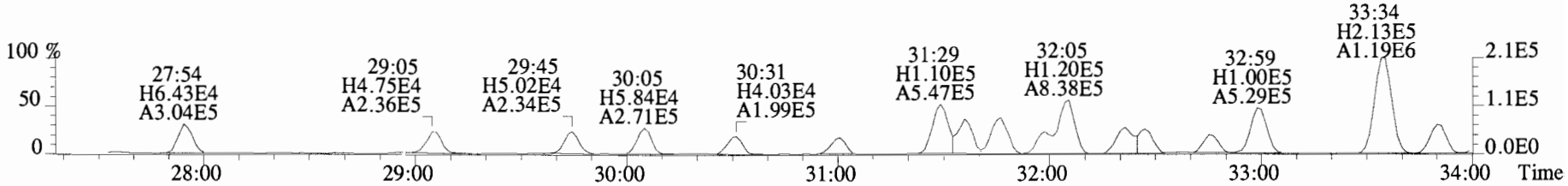

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24688.0,0.00%,F,F)



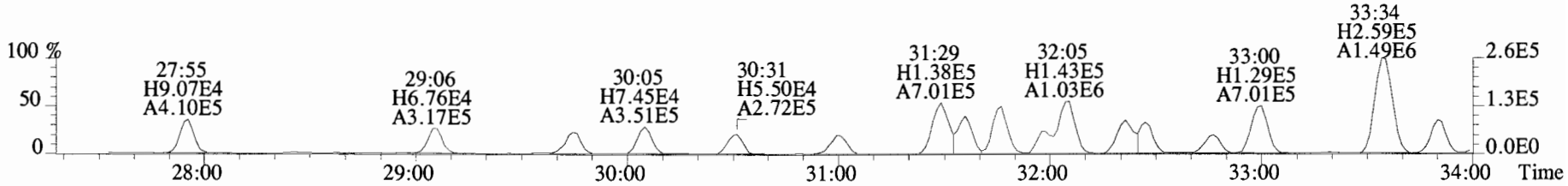

330.9792 F:3



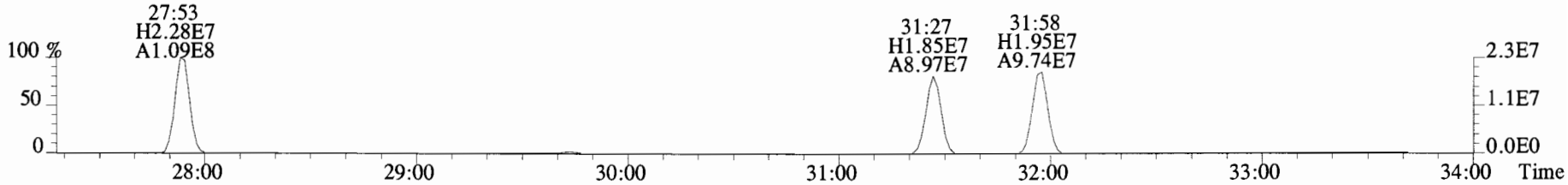
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2828.0,0.00%,F,F)



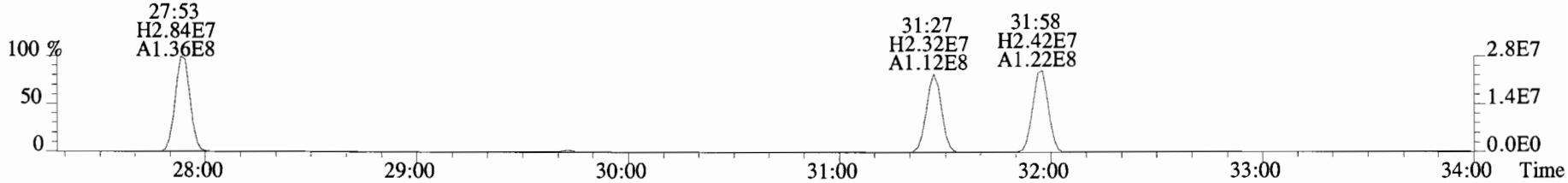

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



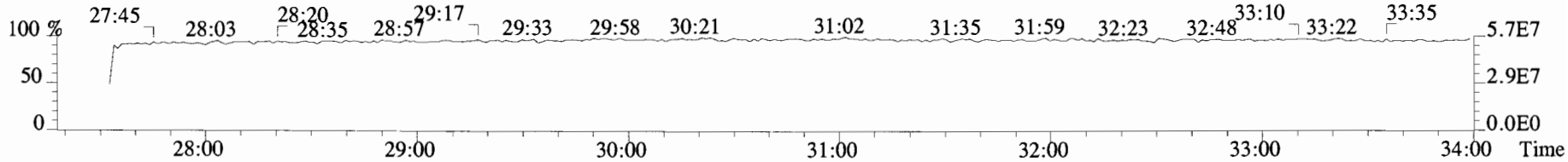

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33956.0,0.00%,F,F)



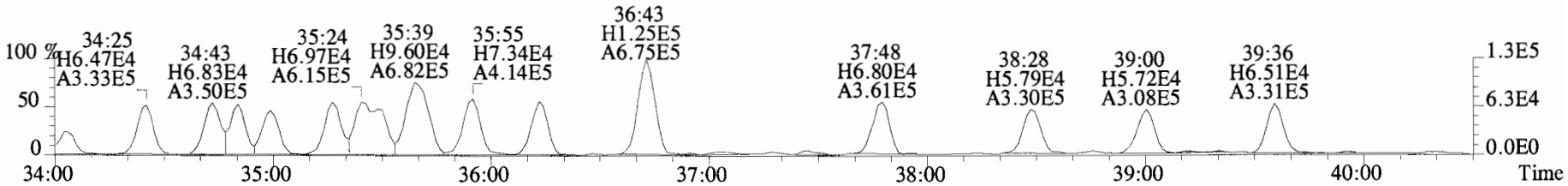

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24688.0,0.00%,F,F)



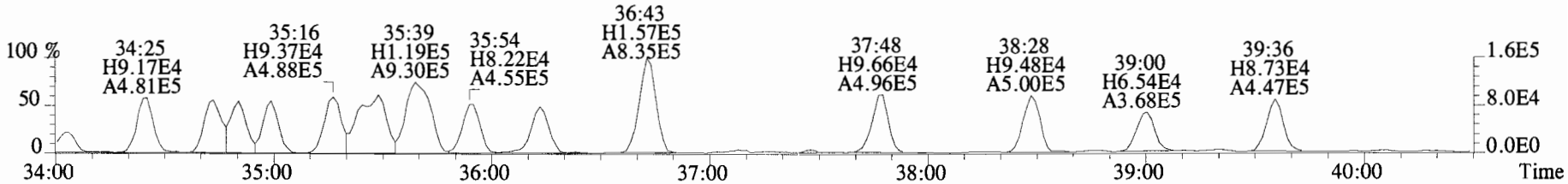

330.9792 F:3



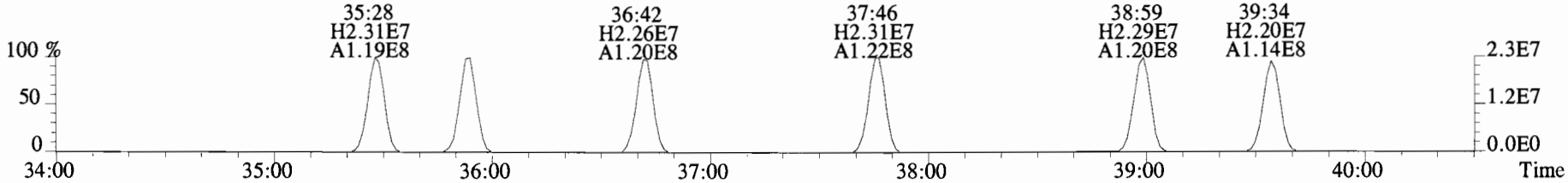
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2828.0,0.00%,F,F)



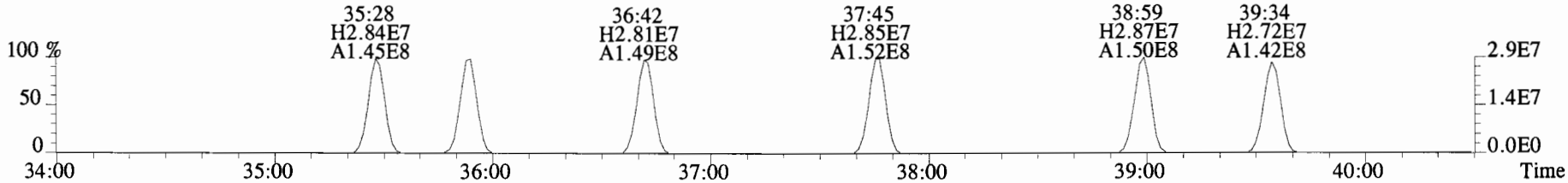

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



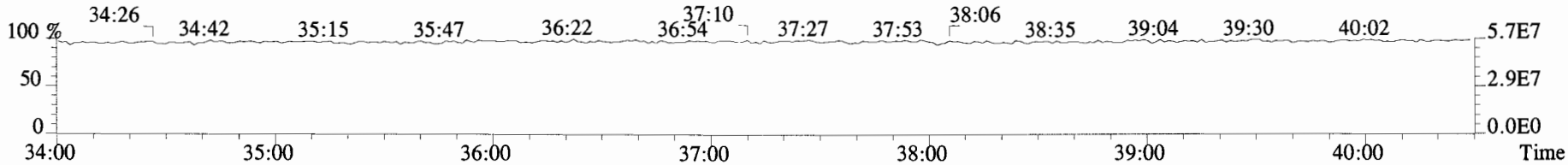

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33956.0,0.00%,F,F)



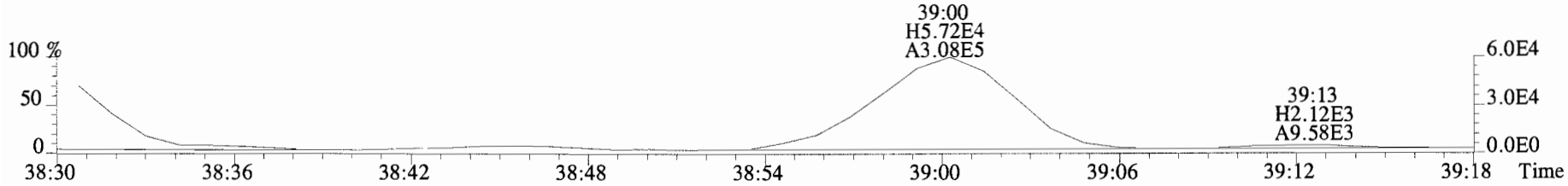

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24688.0,0.00%,F,F)



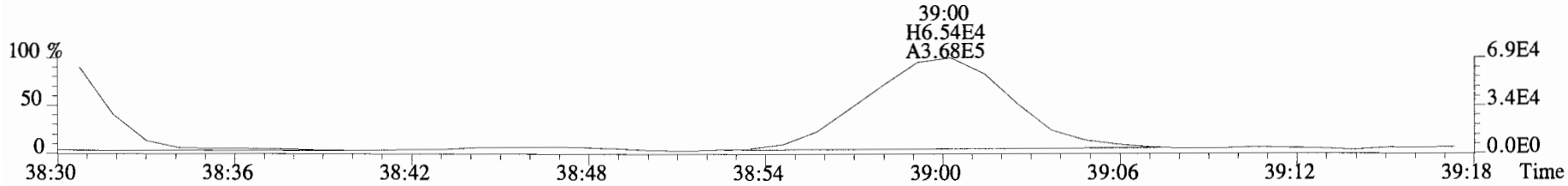

330.9792 F:3



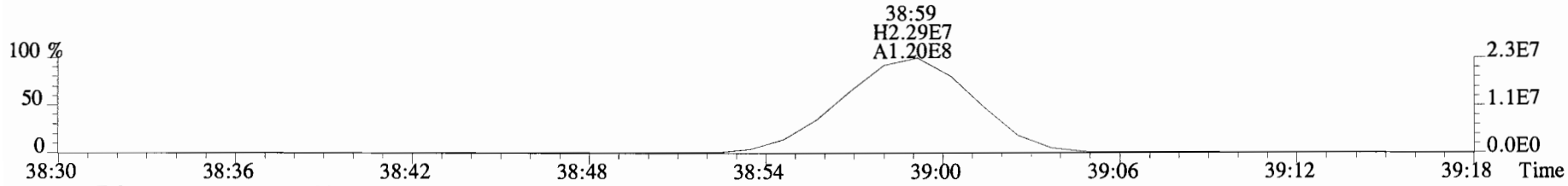
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2828.0,0.00%,F,F)



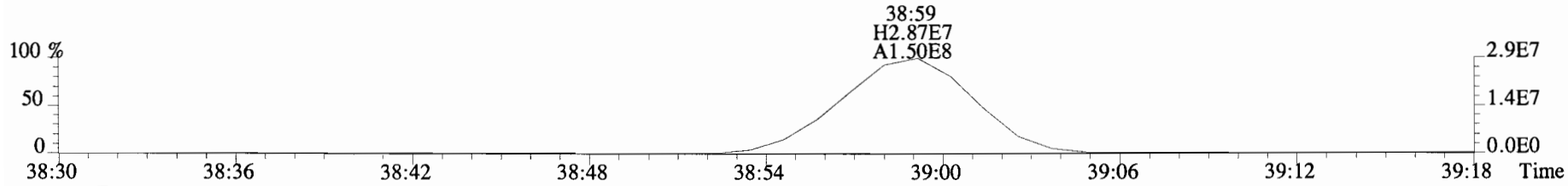

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



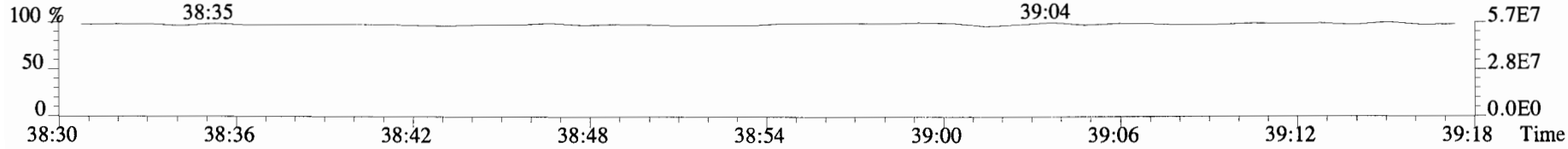

301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33956.0,0.00%,F,F)



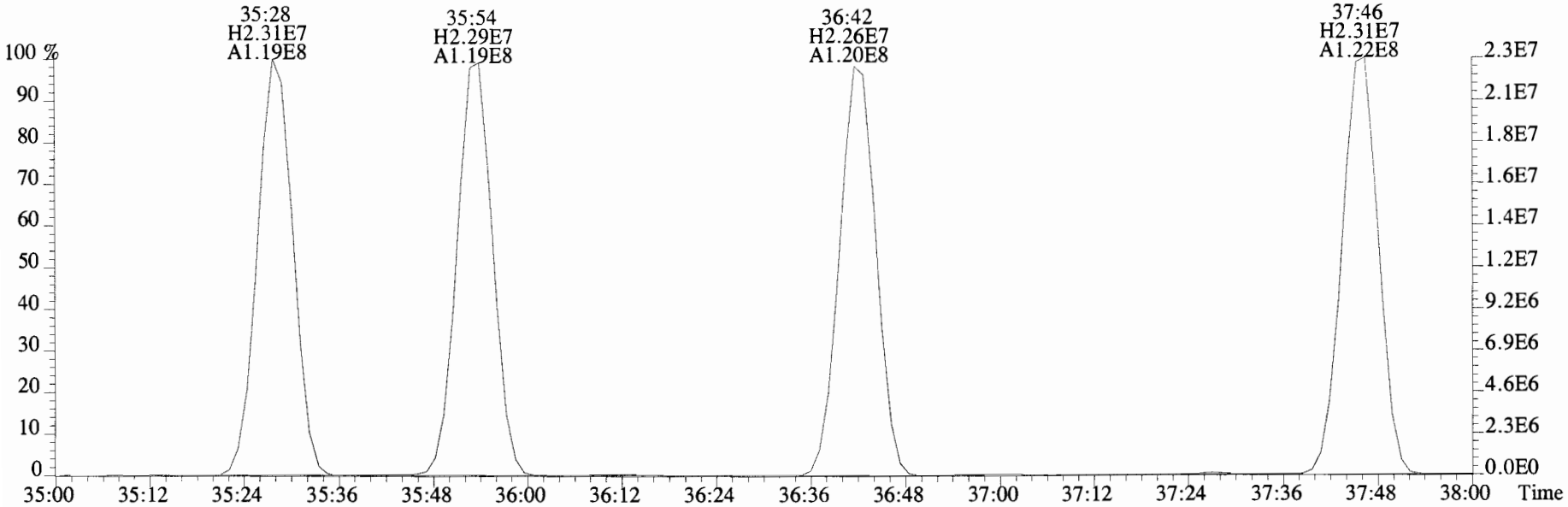

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24688.0,0.00%,F,F)



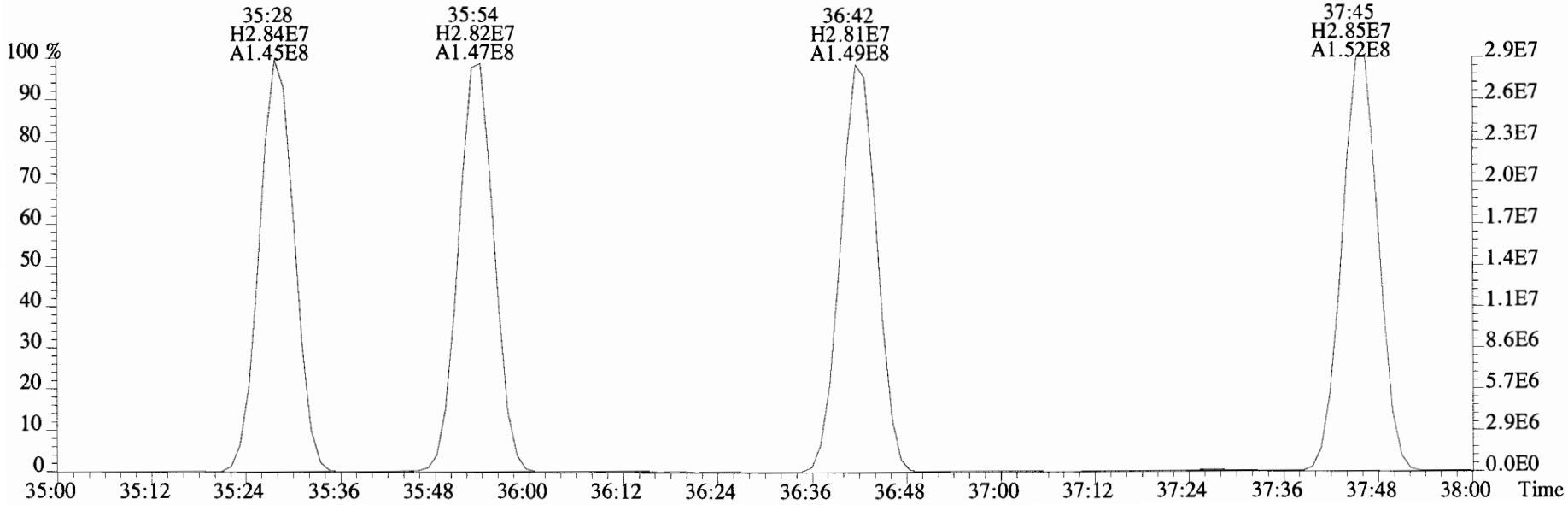

330.9792 F:3



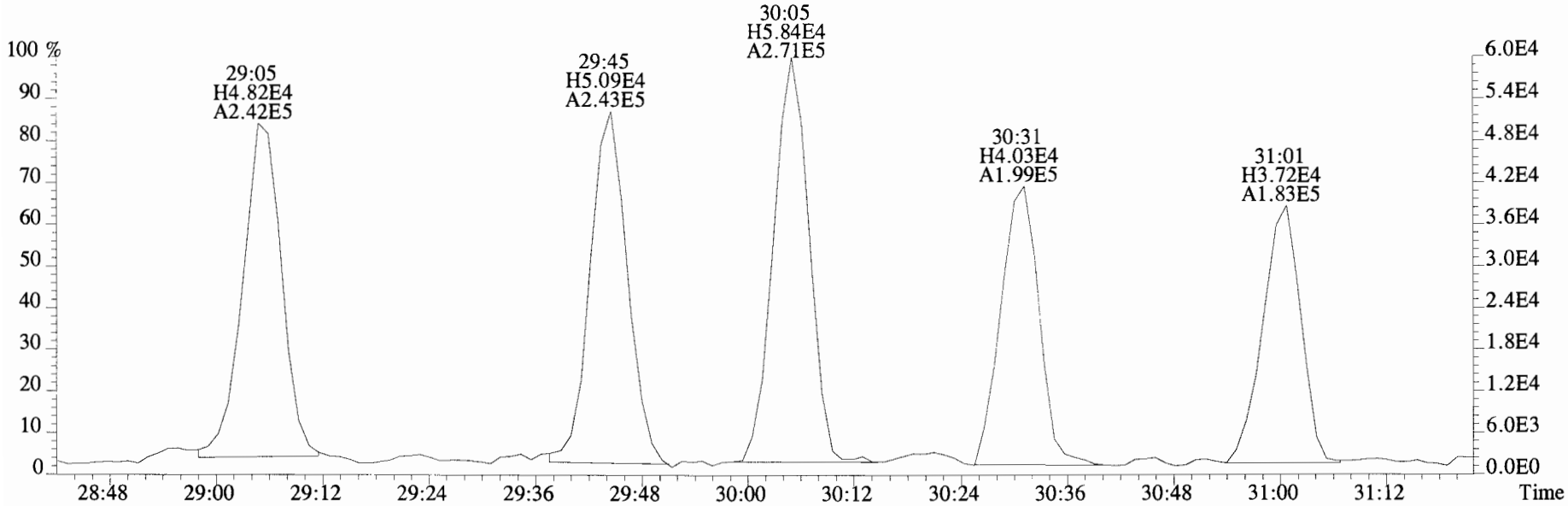
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
301.9626 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33956.0,0.00%,F,F)



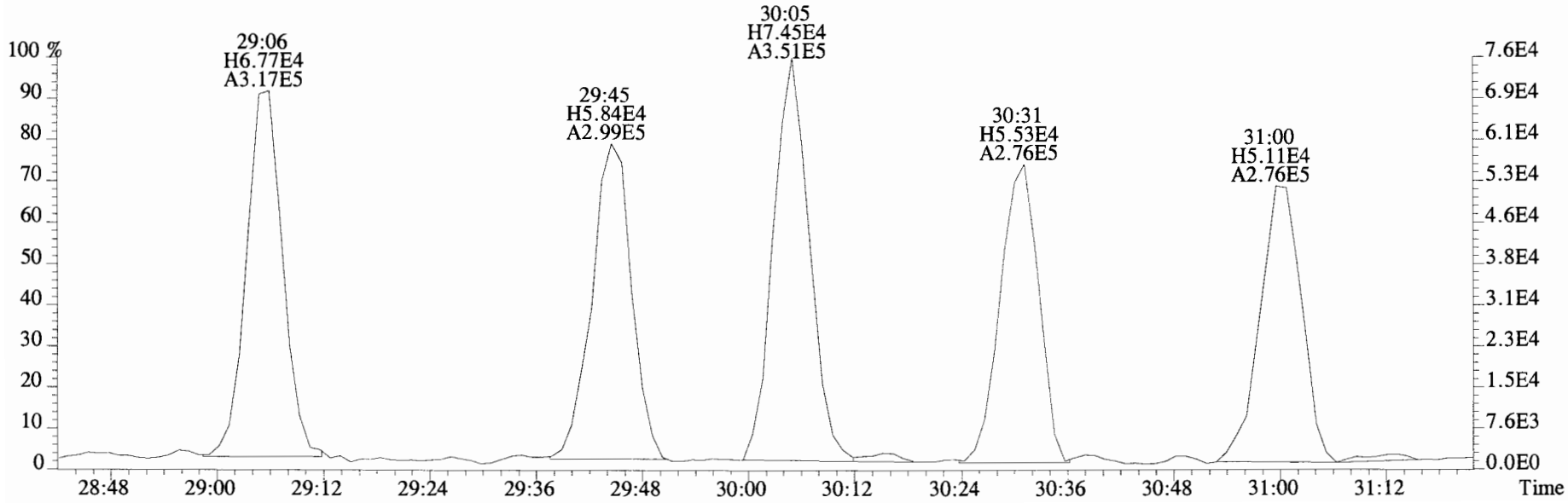

303.9597 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24688.0,0.00%,F,F)



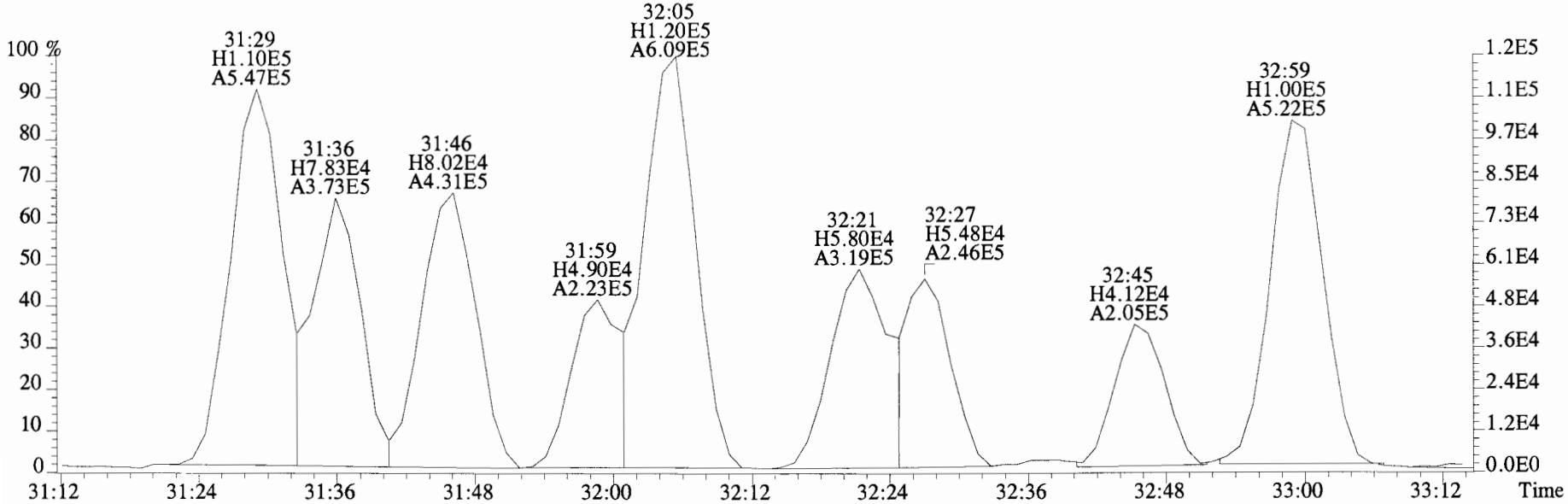
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2828.0,0.00%,F,F)



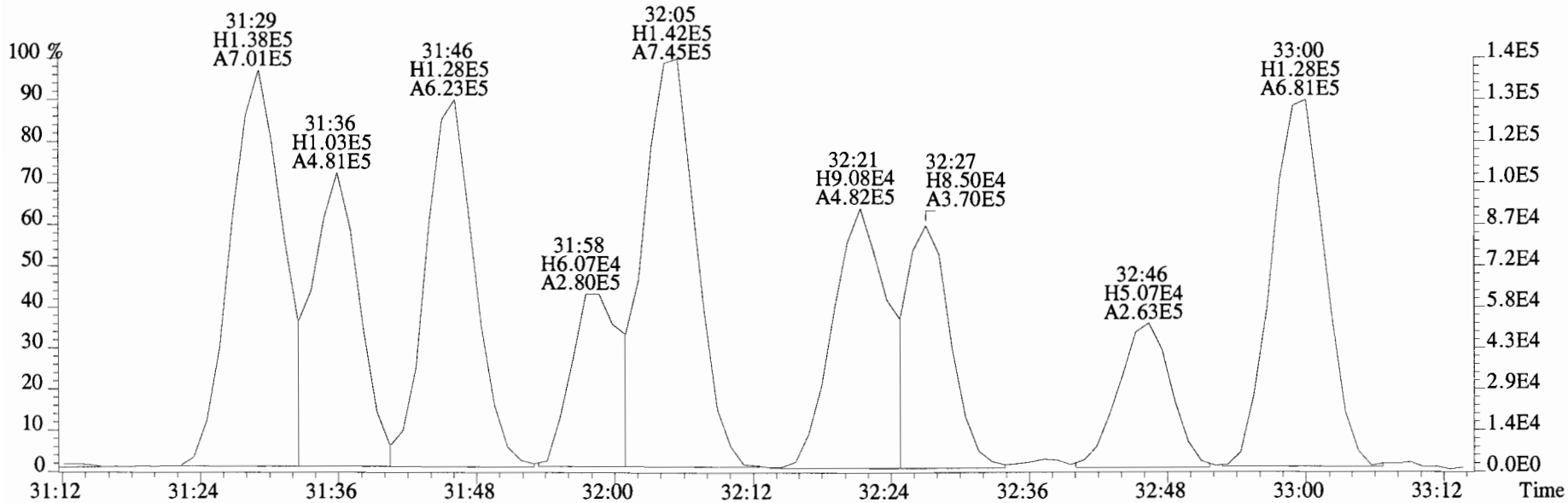

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



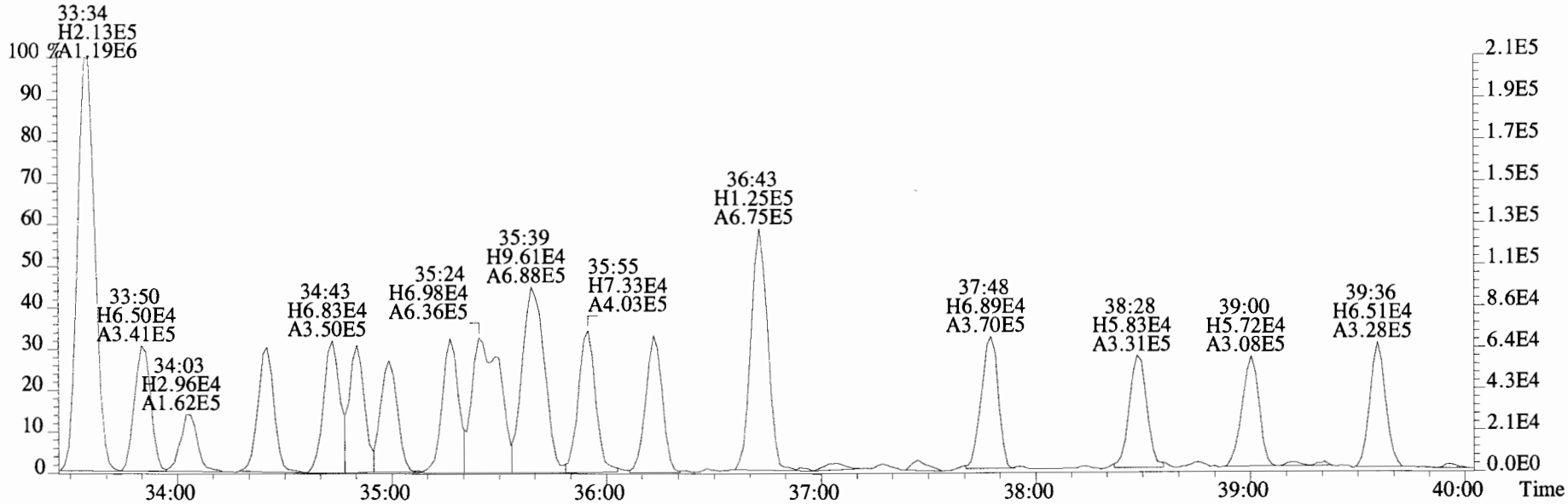
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2828.0,0.00%,F,F)



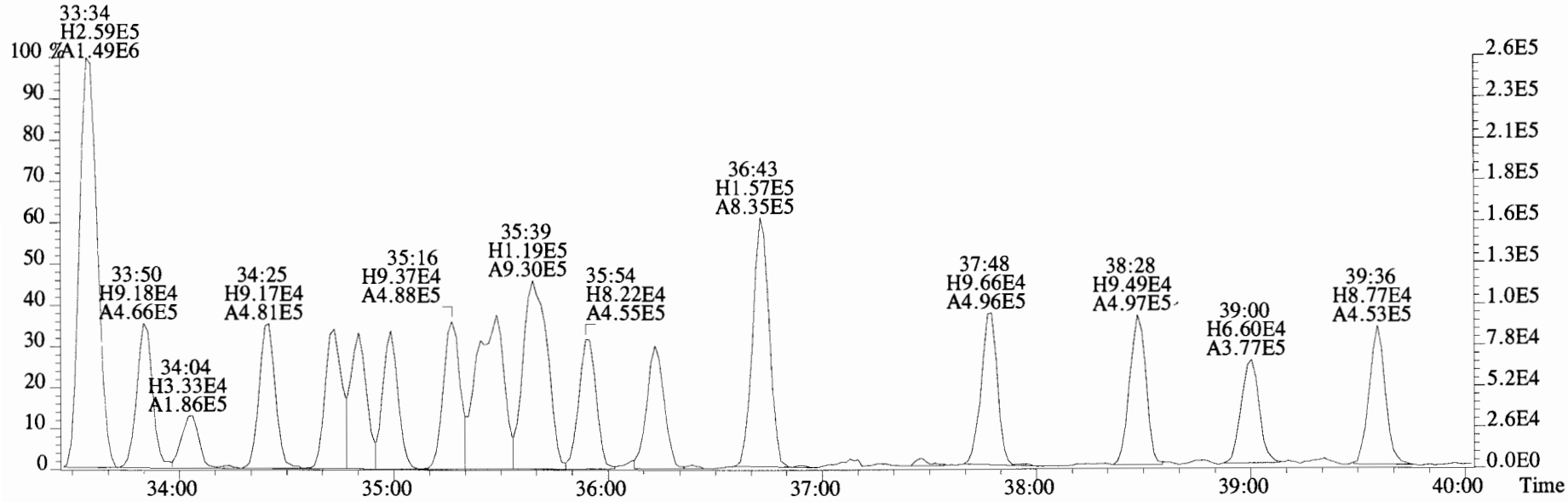

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



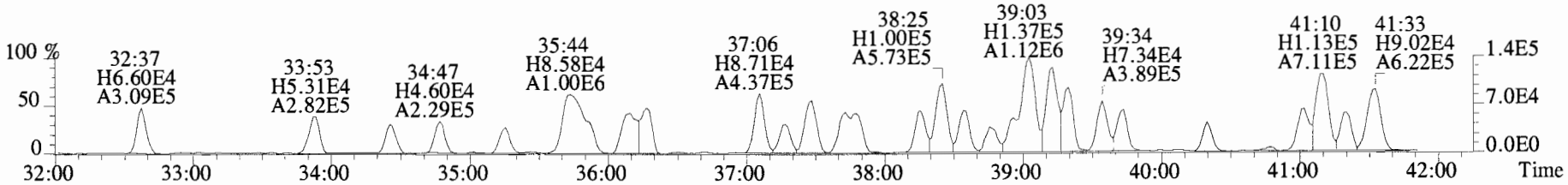
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
289.9224 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2828.0,0.00%,F,F)



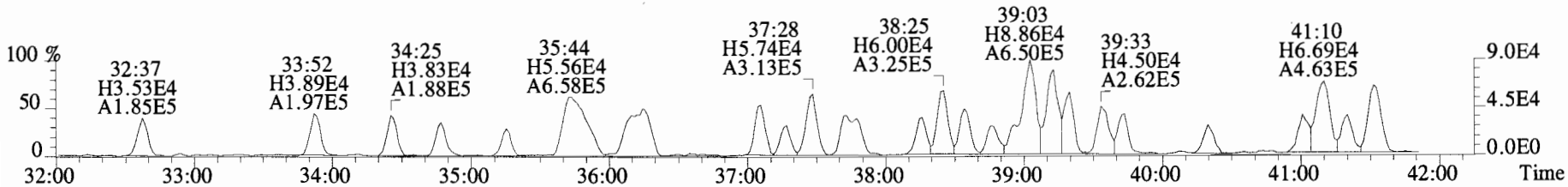

291.9194 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3156.0,0.00%,F,F)



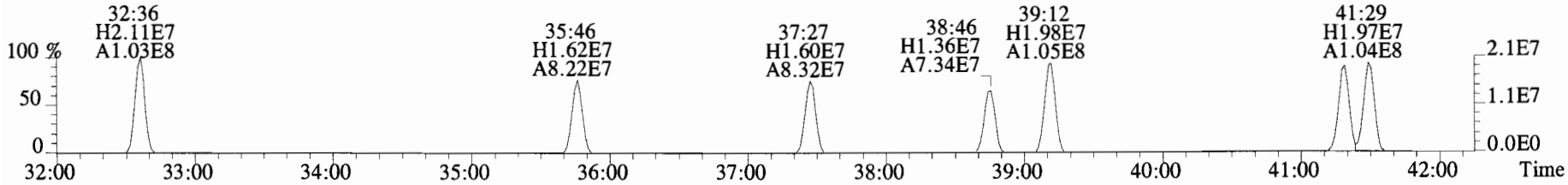
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



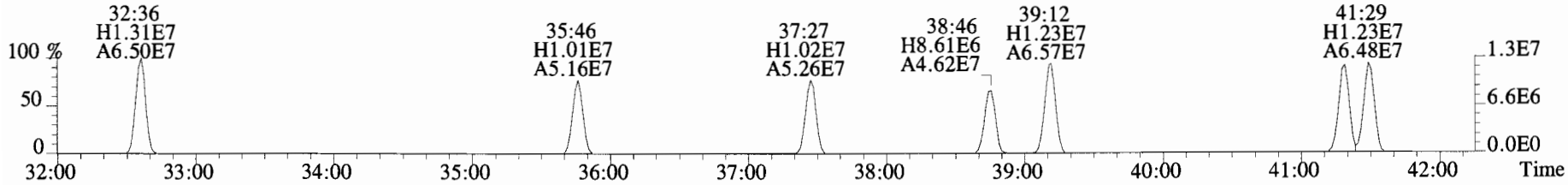

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2080.0,0.00%,F,F)



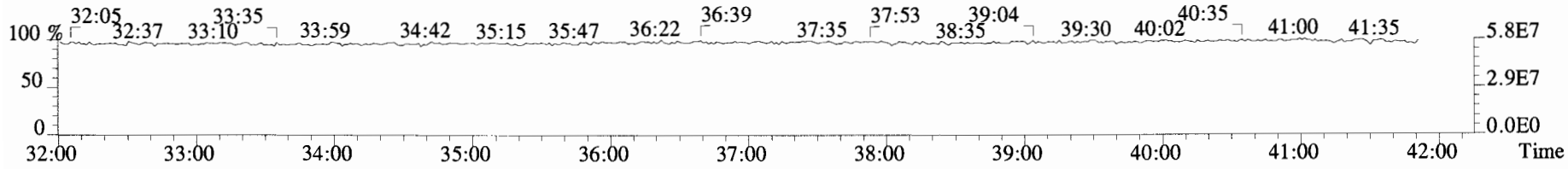

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4388.0,0.00%,F,F)



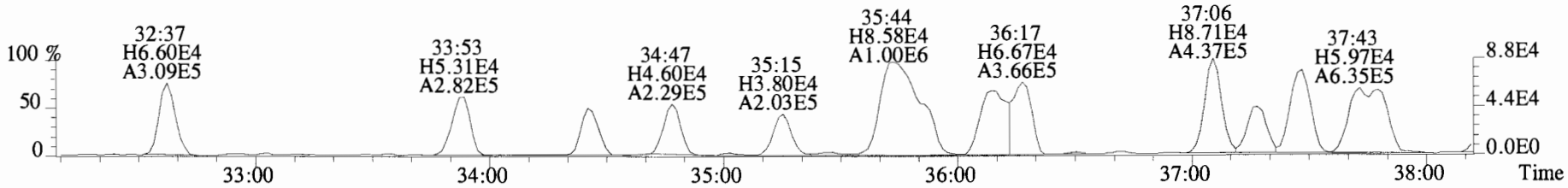

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3760.0,0.00%,F,F)



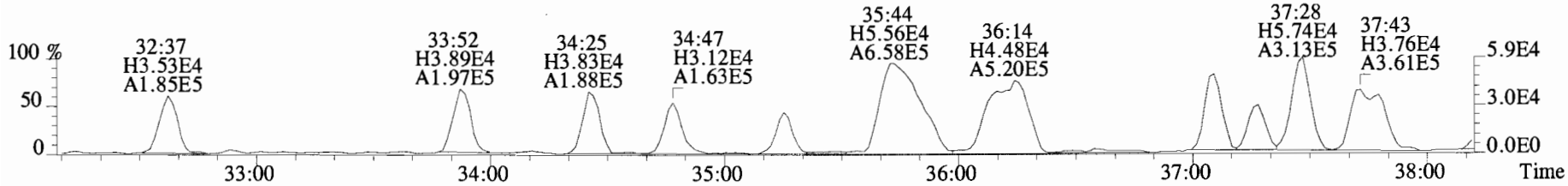

330.9792 F:3



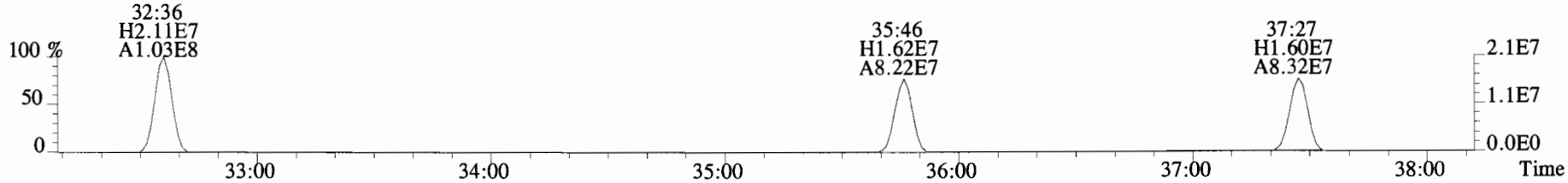
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



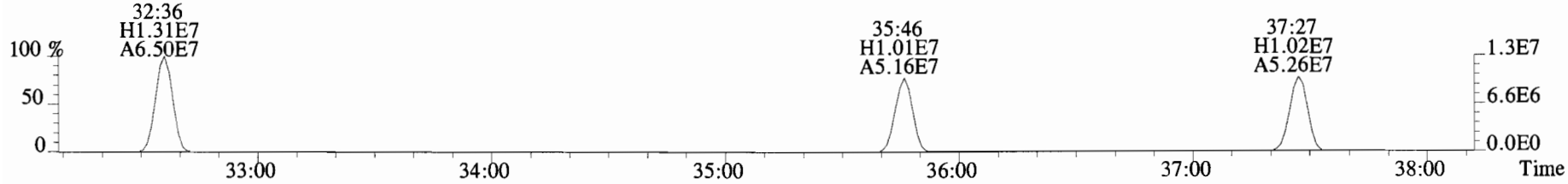

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2080.0,0.00%,F,F)



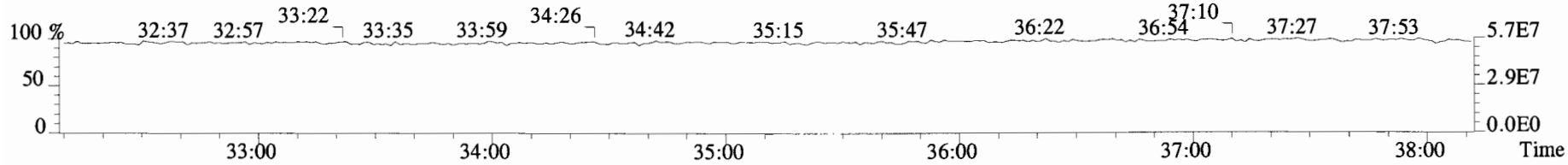

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4388.0,0.00%,F,F)



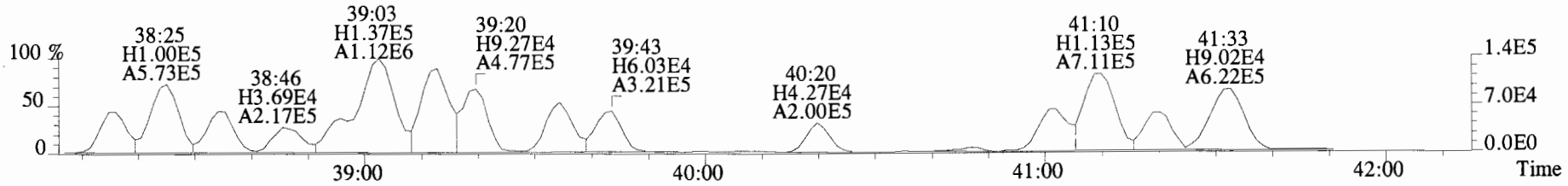

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3760.0,0.00%,F,F)



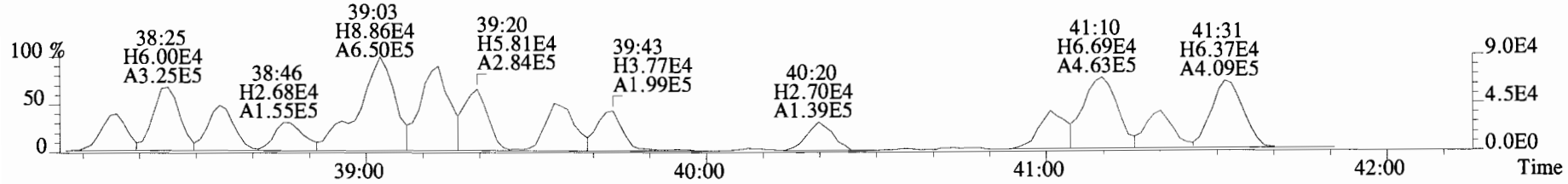

330.9792 F:3



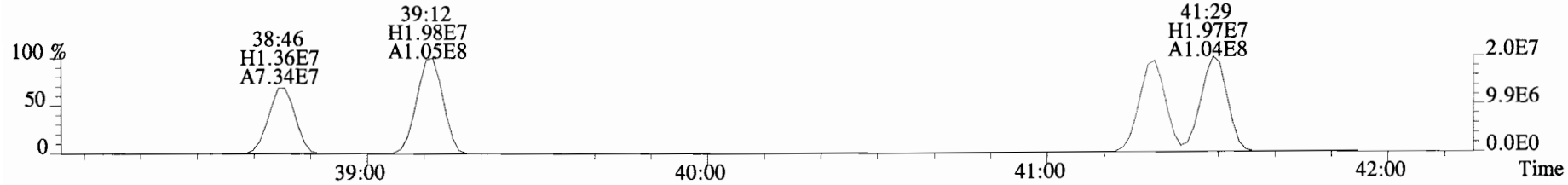
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



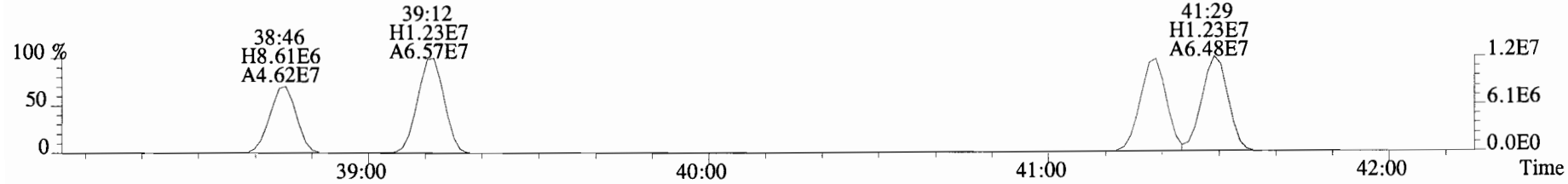

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2080.0,0.00%,F,F)



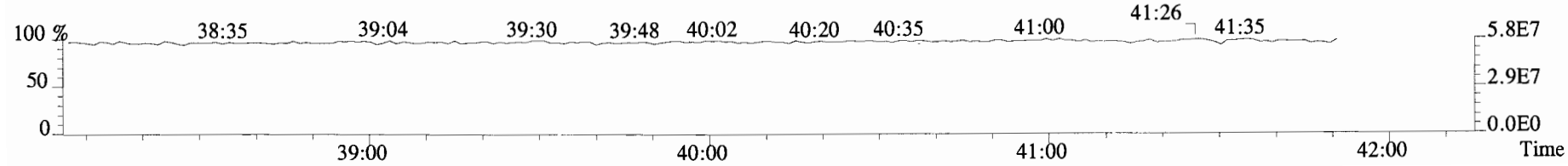

337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4388.0,0.00%,F,F)



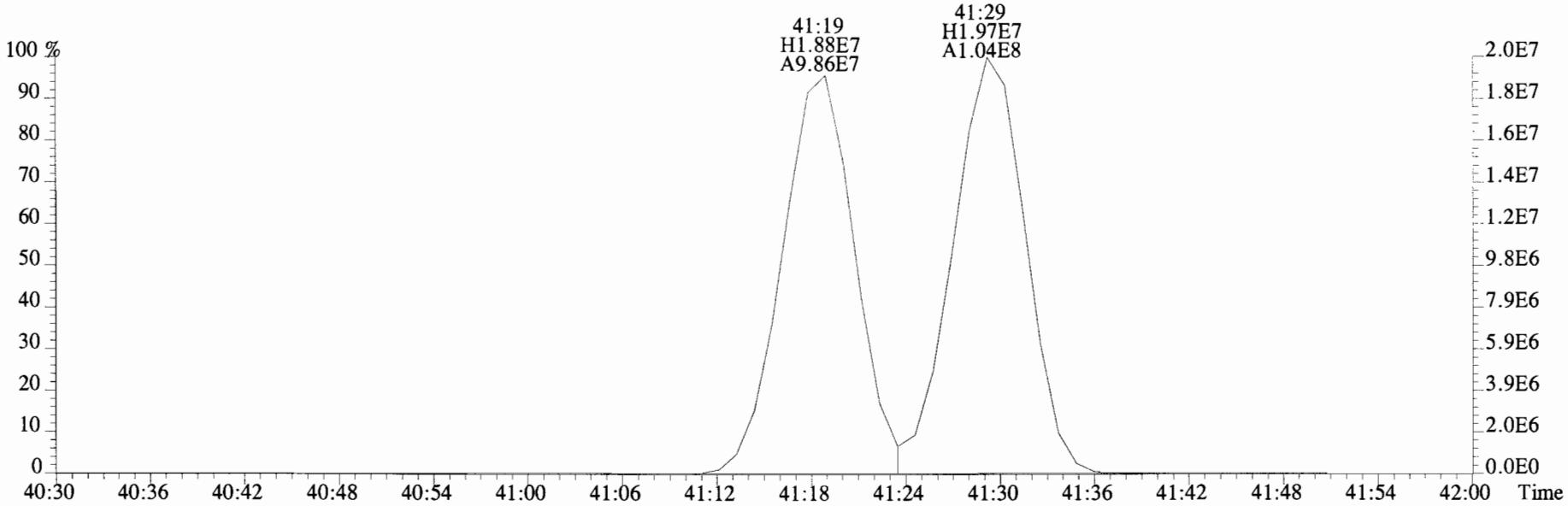

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3760.0,0.00%,F,F)



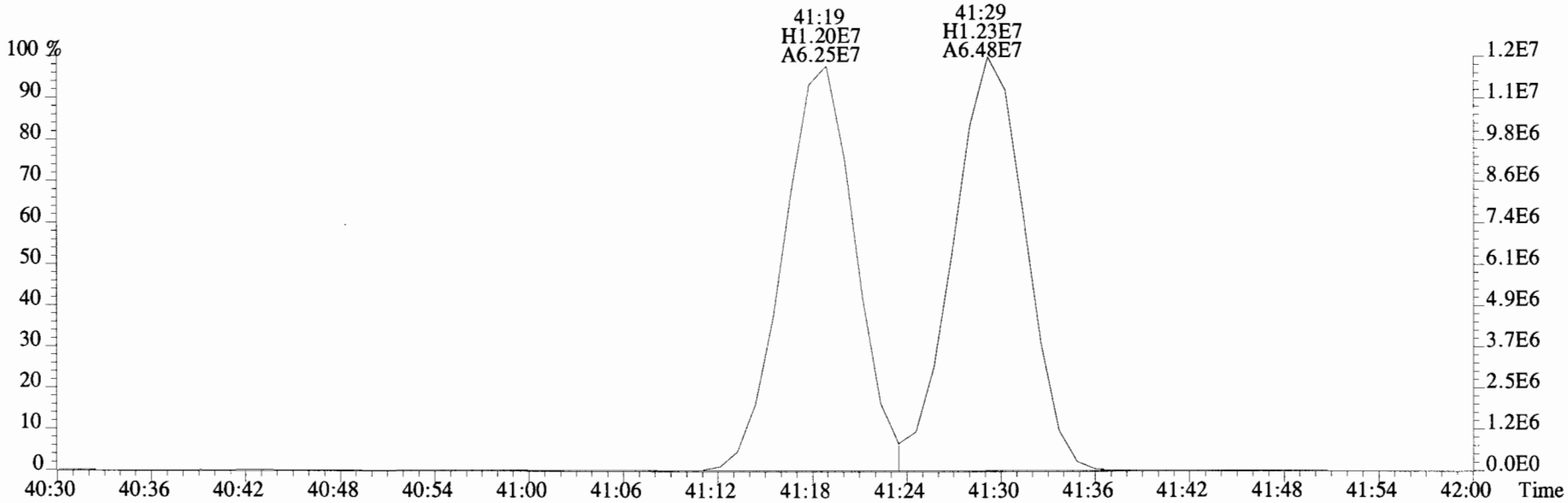

330.9792 F:3



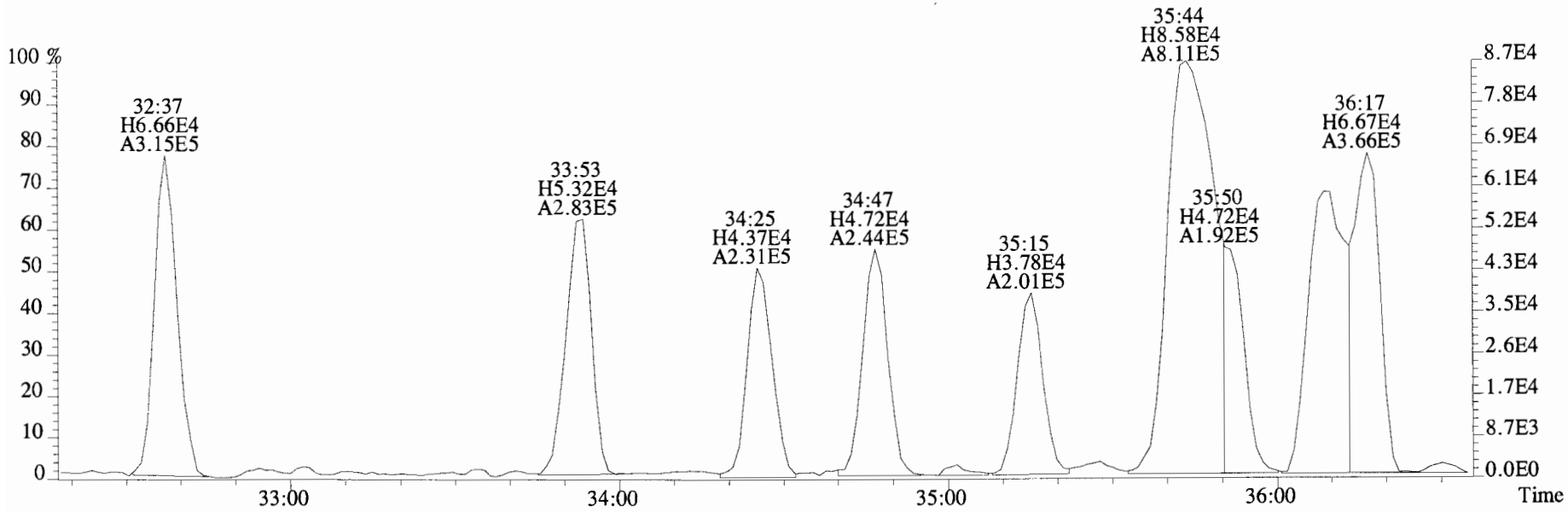
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
337.9207 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4388.0,0.00%,F,F)



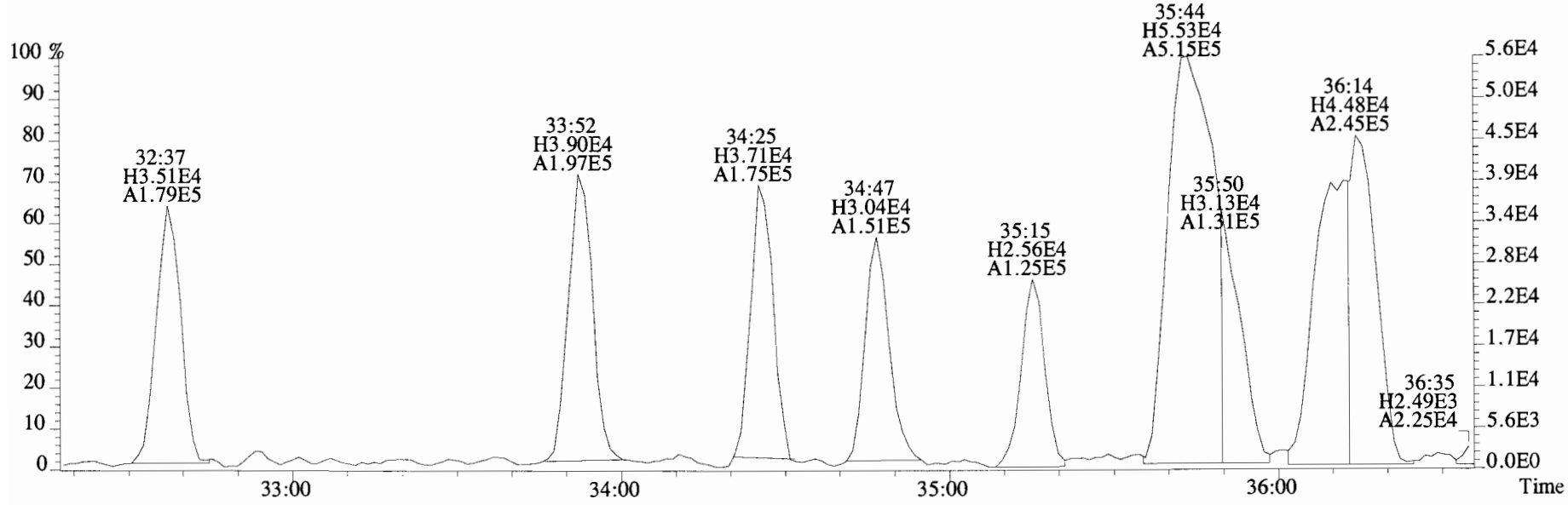

339.9177 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3760.0,0.00%,F,F)



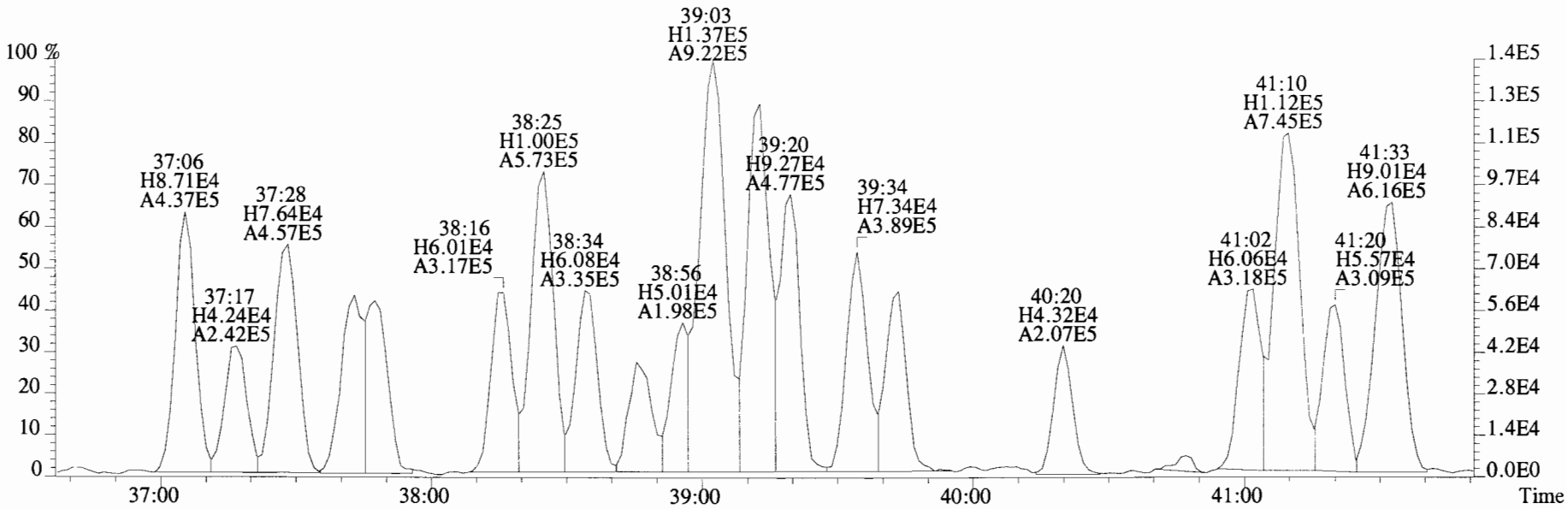
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)



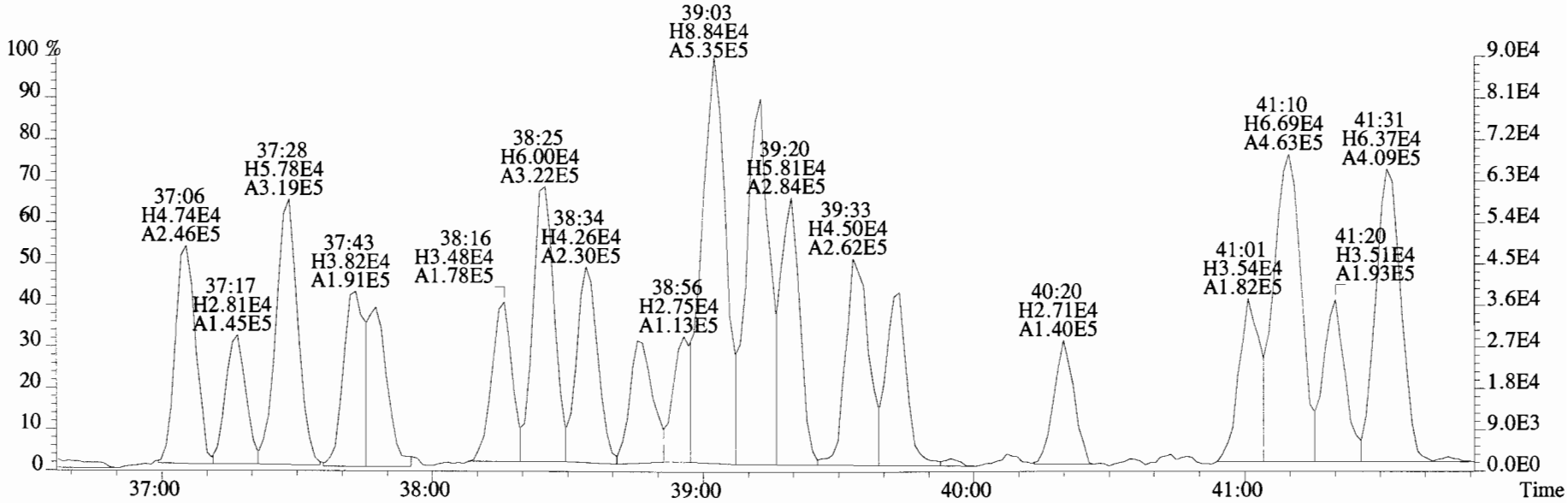

327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2080.0,0.00%,F,F)



File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
325.8804 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2192.0,0.00%,F,F)

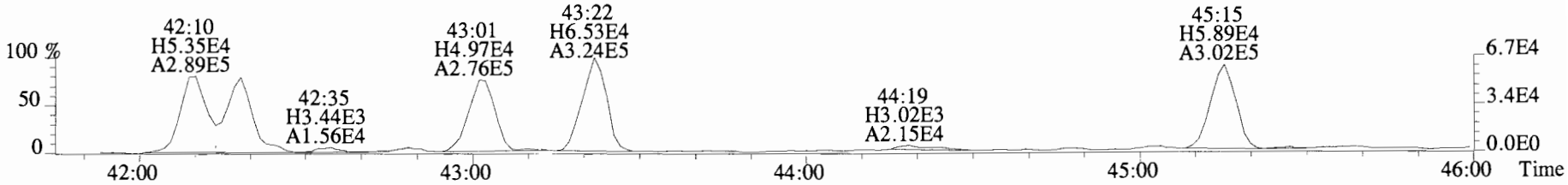



327.8775 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2080.0,0.00%,F,F)

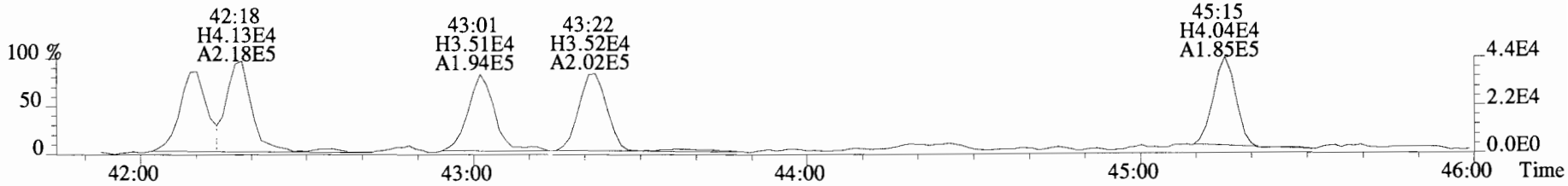


File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1

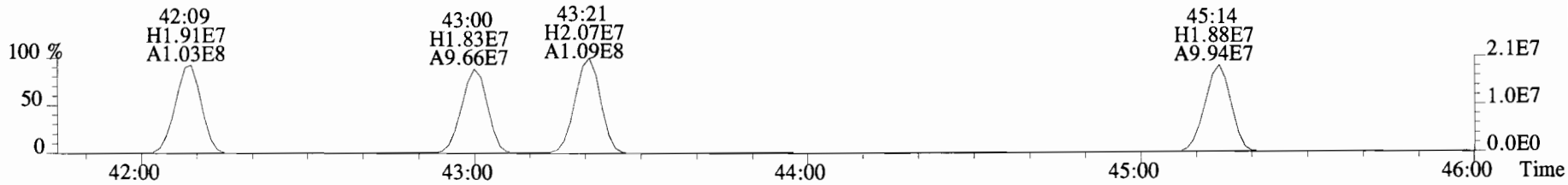
325.8804 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2272.0,0.00%,F,F)



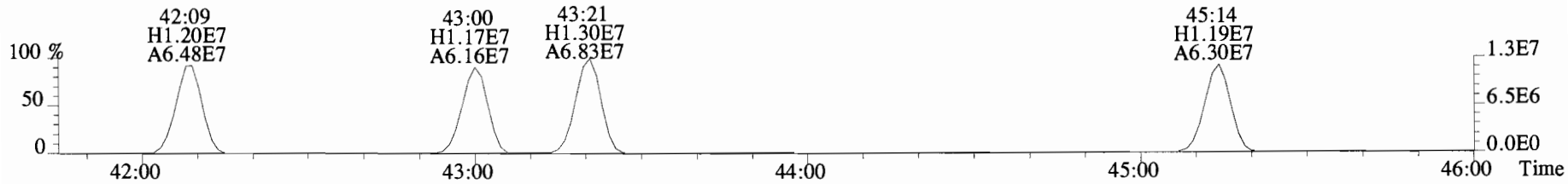

327.8775 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2344.0,0.00%,F,F)



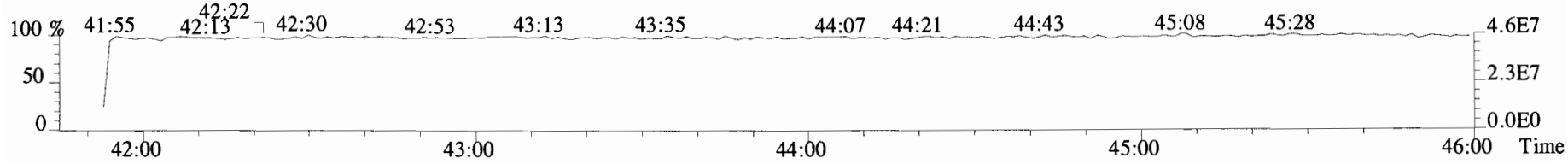

337.9207 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12672.0,0.00%,F,F)



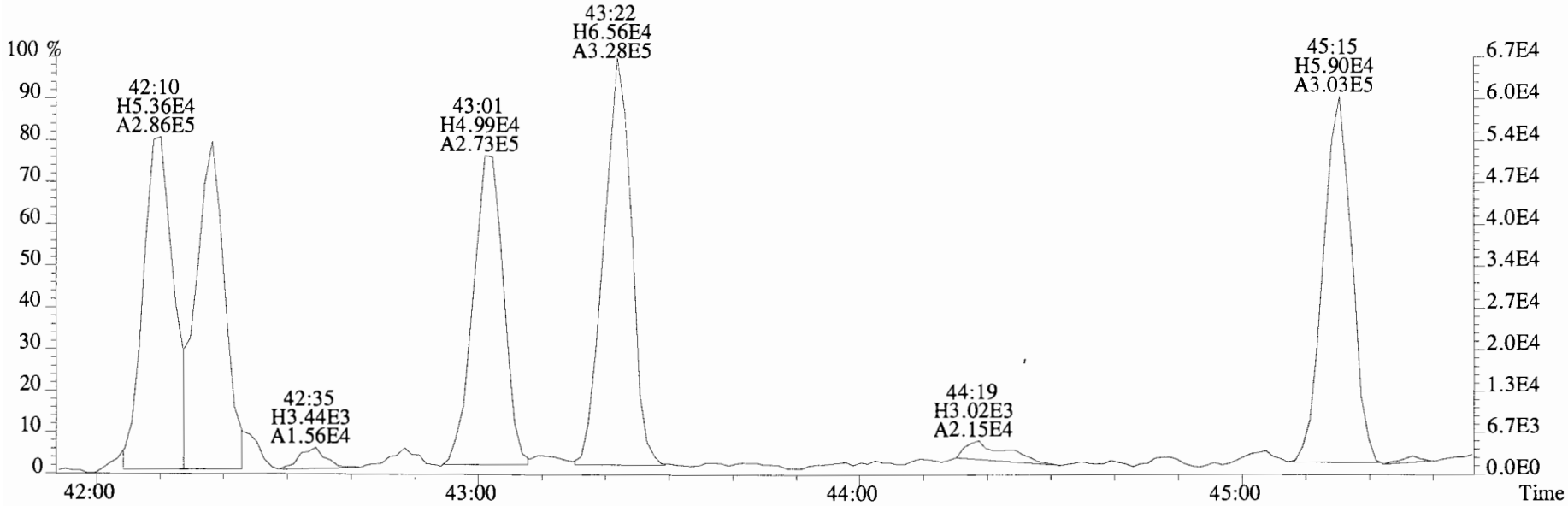

339.9177 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9696.0,0.00%,F,F)



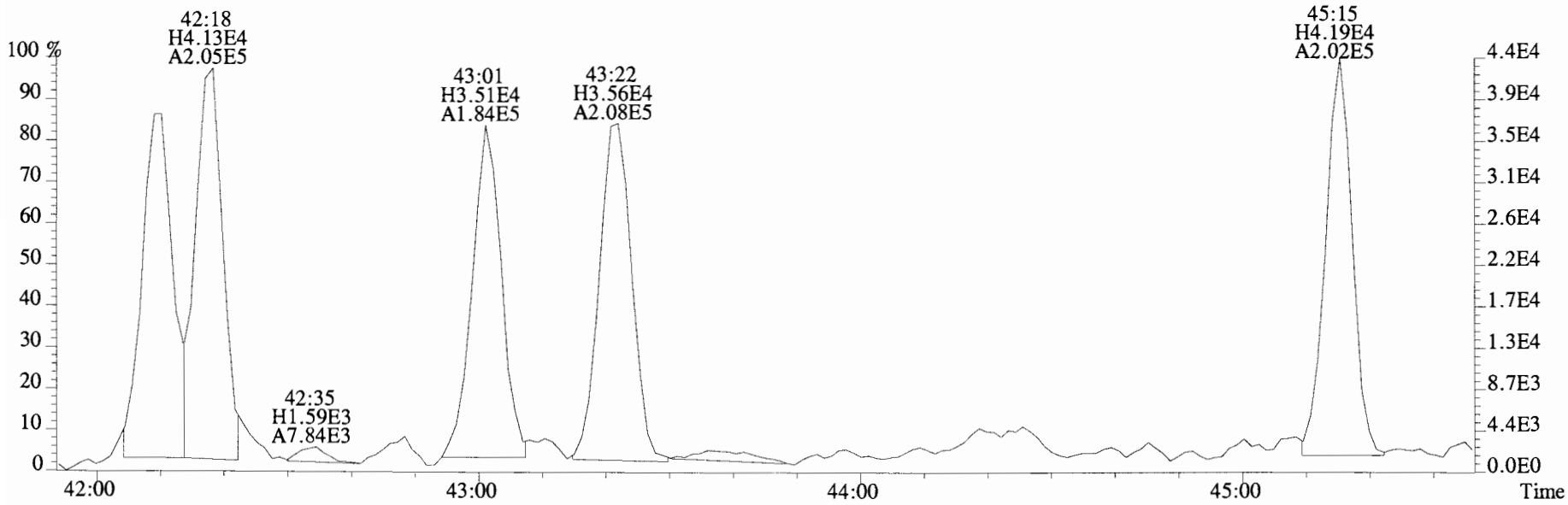

380.9760 F:4



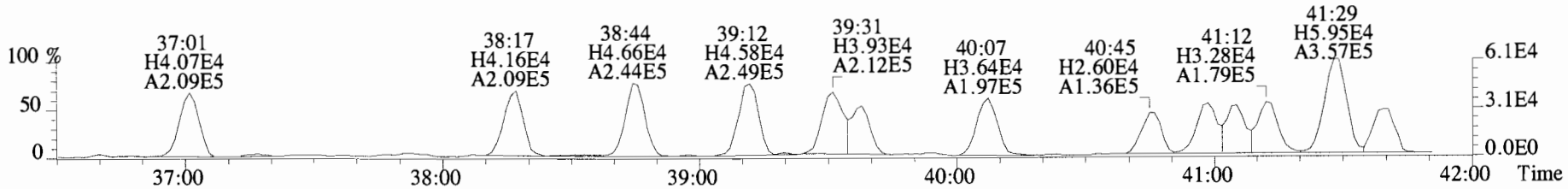
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
325.8804 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2272.0,0.00%,F,F)



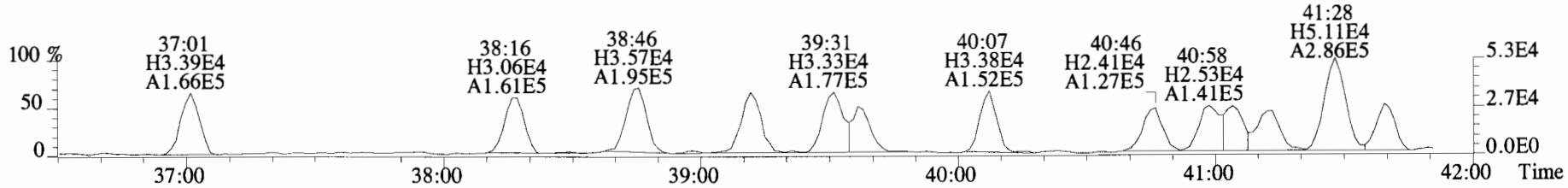

327.8775 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2344.0,0.00%,F,F)



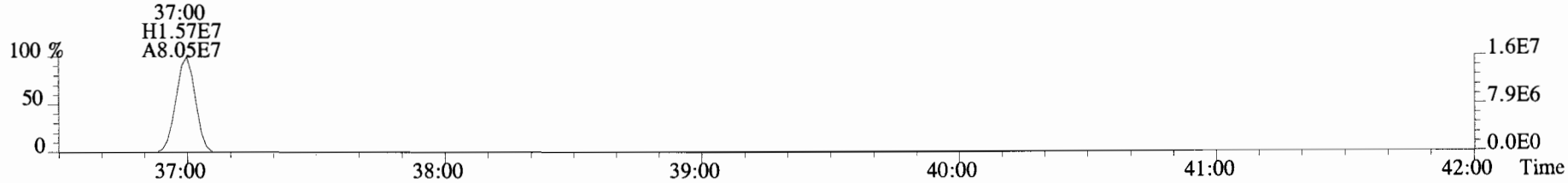
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
359.8415 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1880.0,0.00%,F,F)



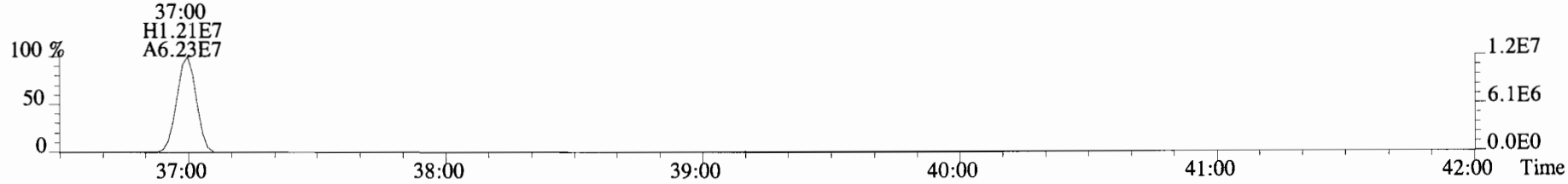

361.8385 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2088.0,0.00%,F,F)



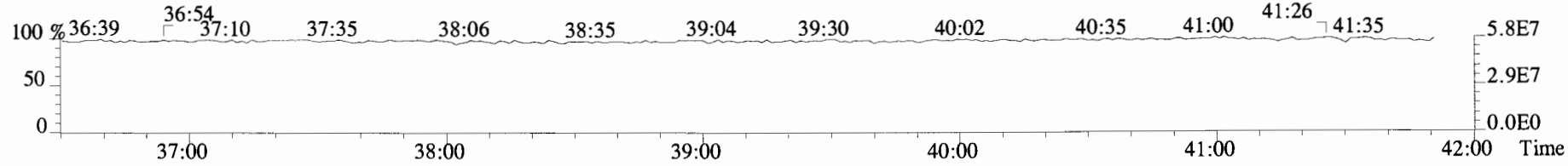

371.8817 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1796.0,0.00%,F,F)



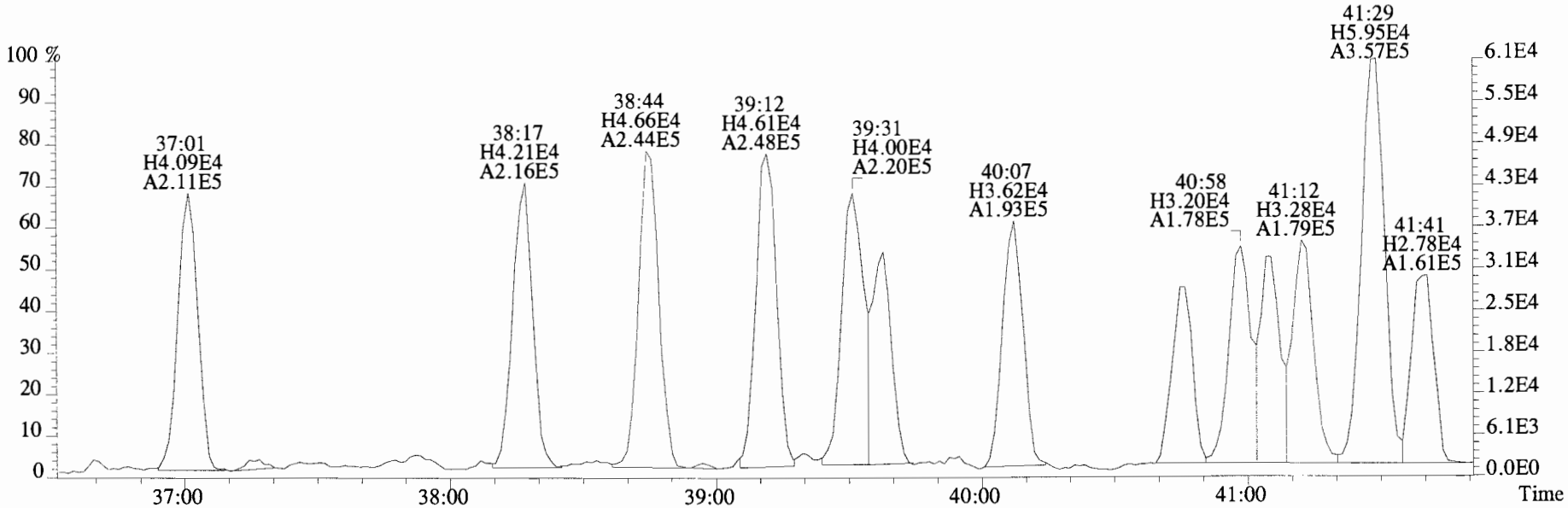

373.8788 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2732.0,0.00%,F,F)



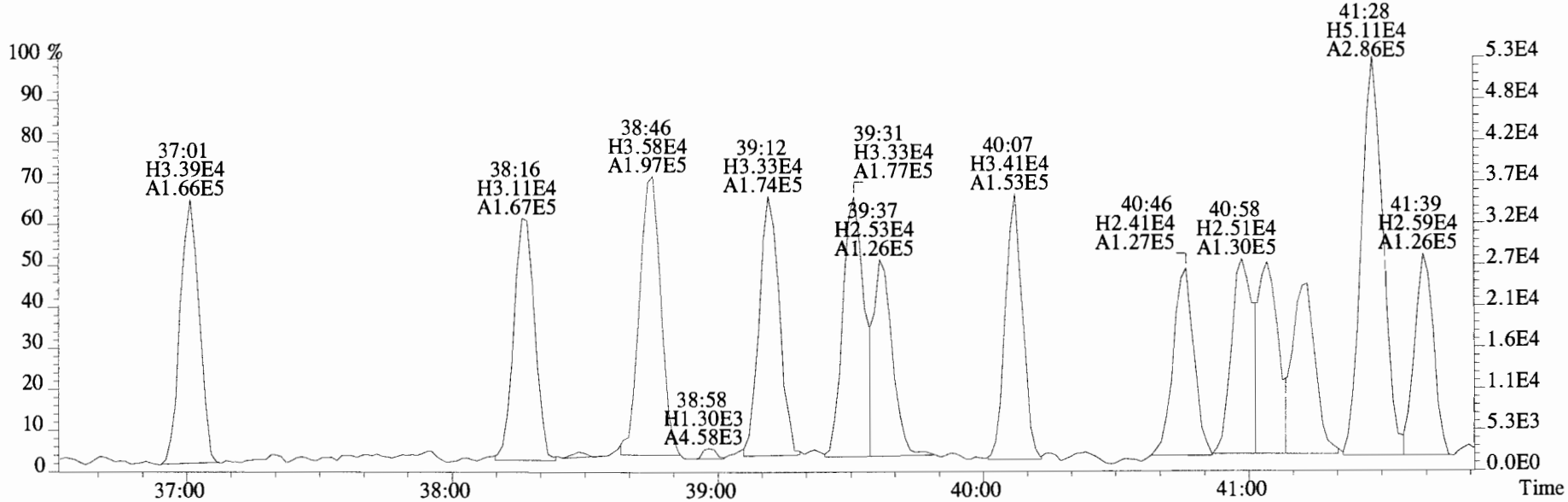

330.9792 F:3



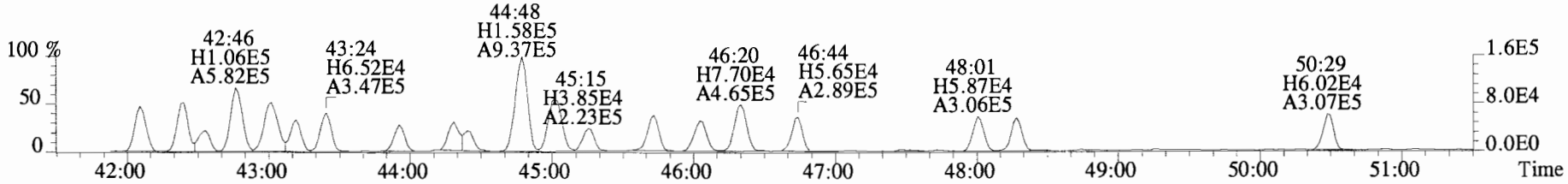
File:180208E1 #1-756 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
359.8415 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1880.0,0.00%,F,F)



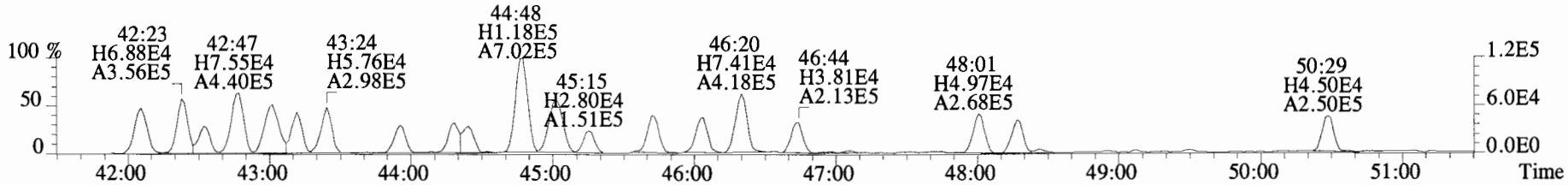

361.8385 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2088.0,0.00%,F,F)



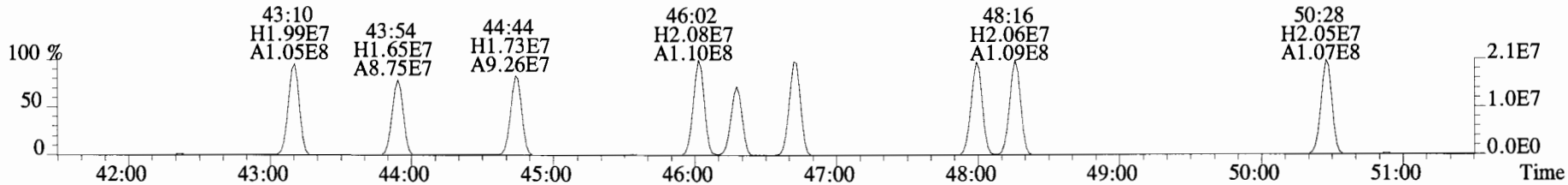
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
359.8415 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2156.0,0.00%,F,F)



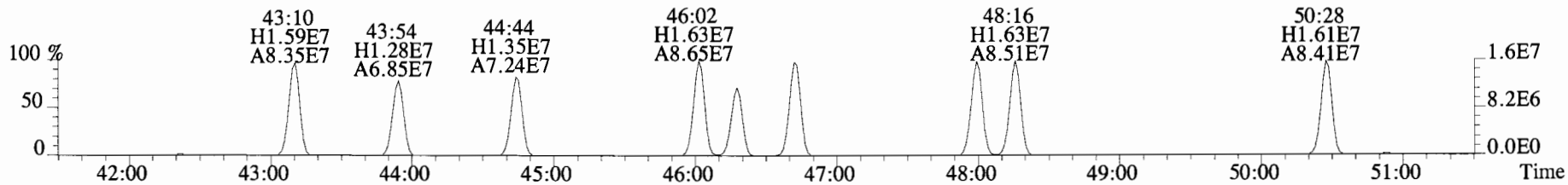

361.8385 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2408.0,0.00%,F,F)



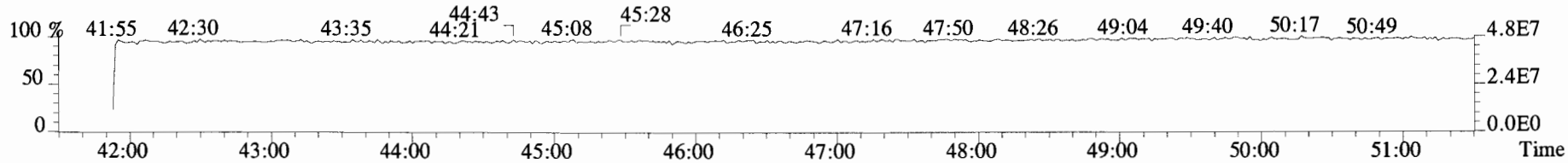

371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27000.0,0.00%,F,F)



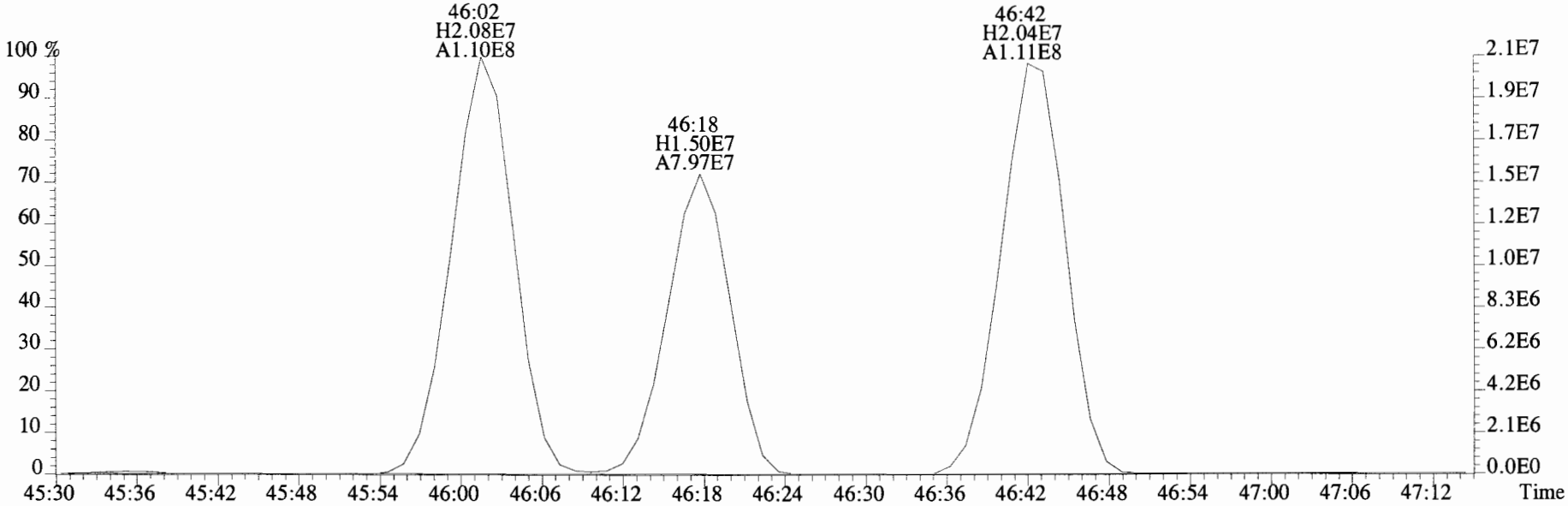

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19336.0,0.00%,F,F)



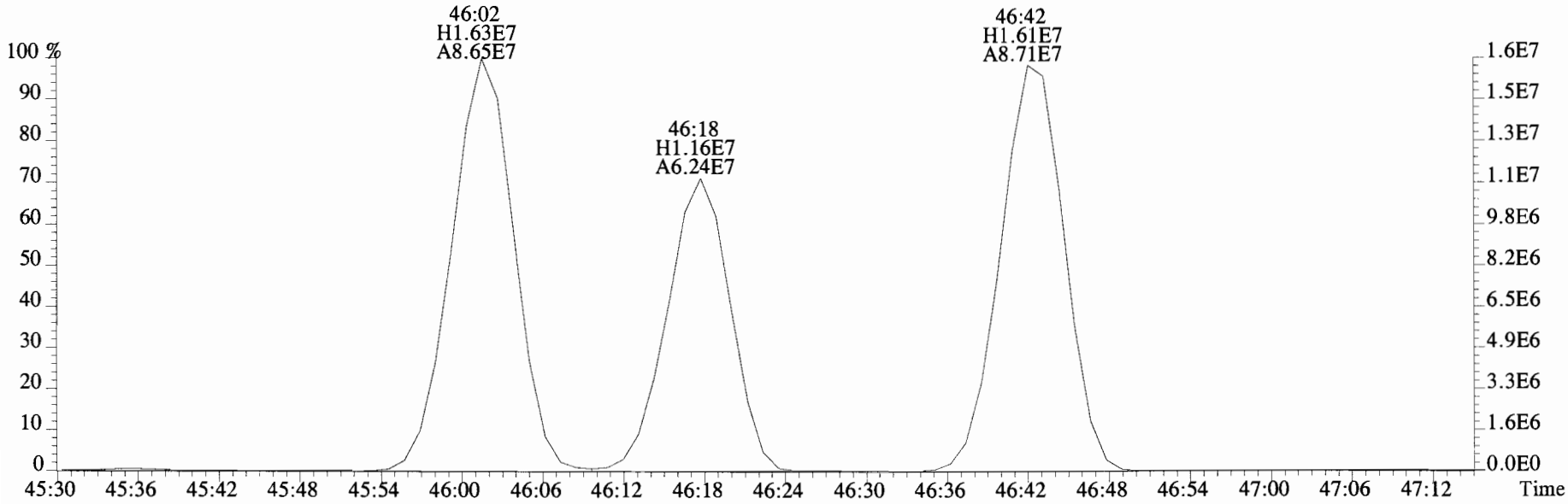

380.9760 F:4



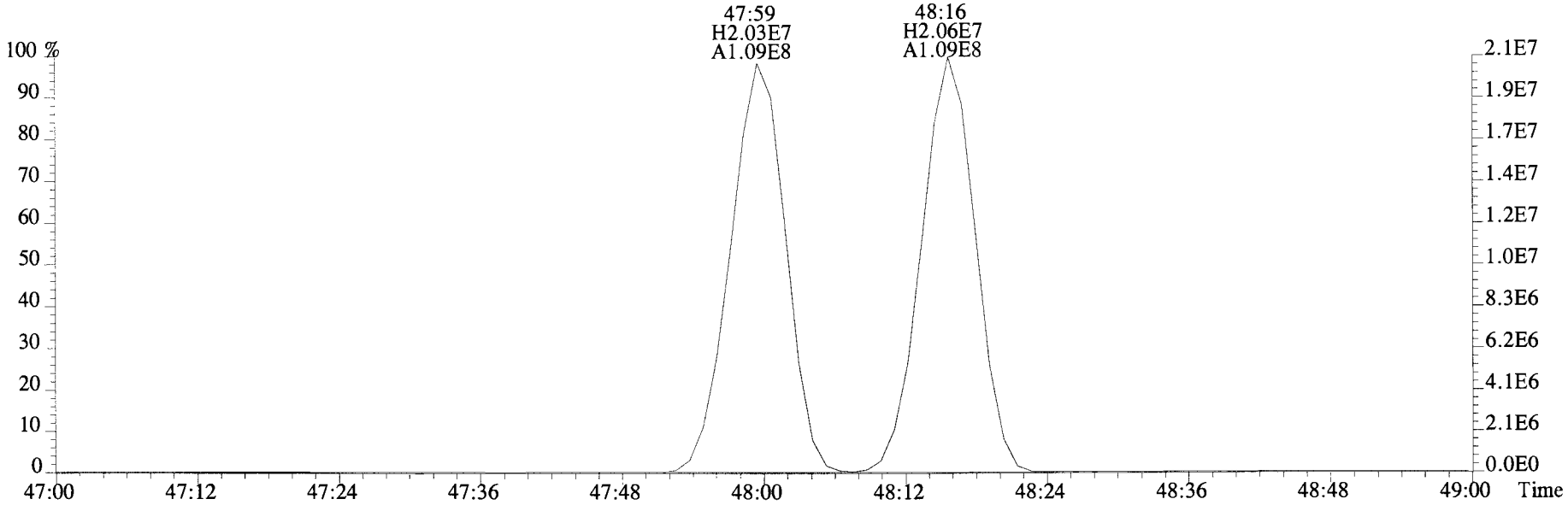
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27000.0,0.00%,F,F)



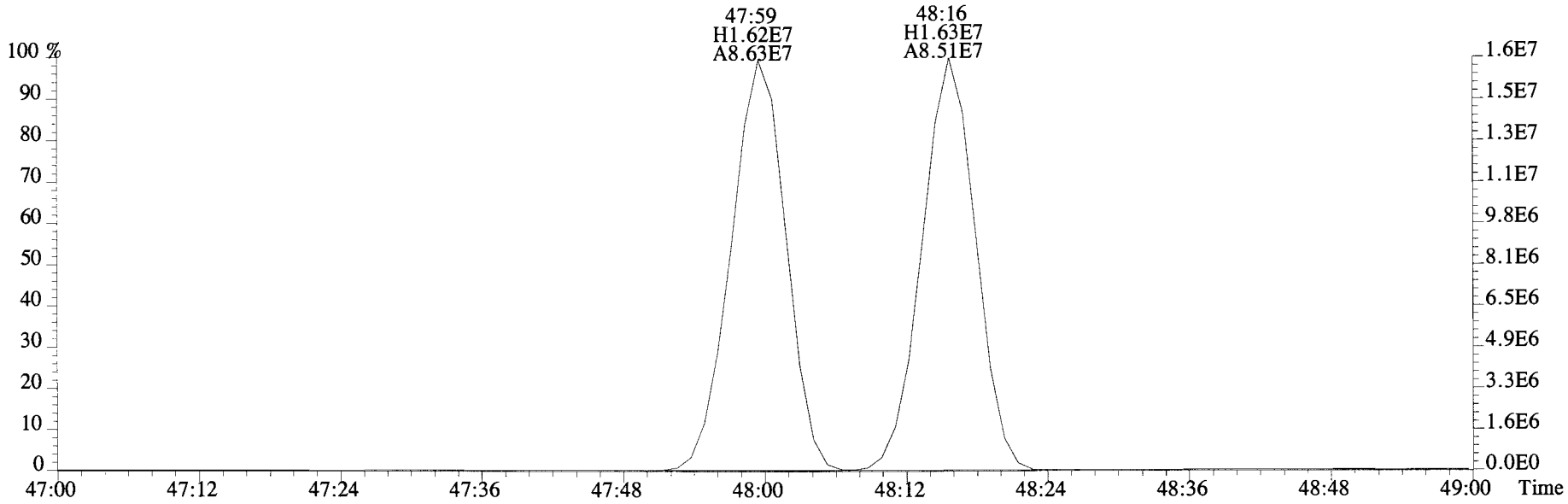

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19336.0,0.00%,F,F)



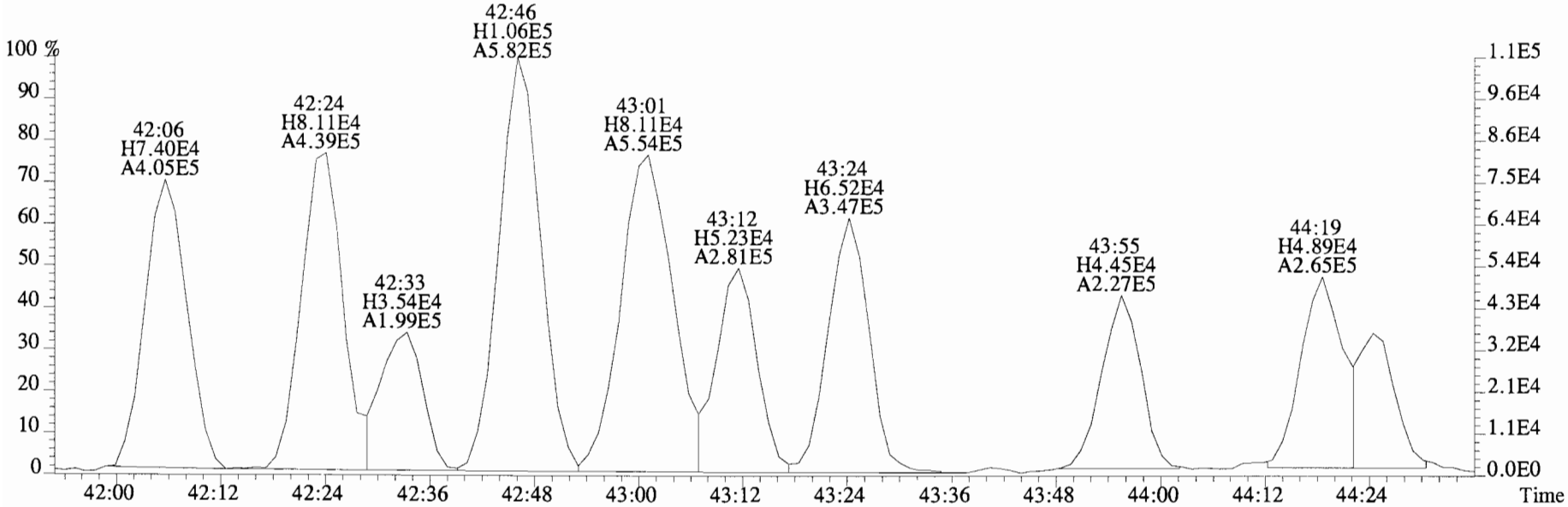
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
371.8817 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27000.0,0.00%,F,F)



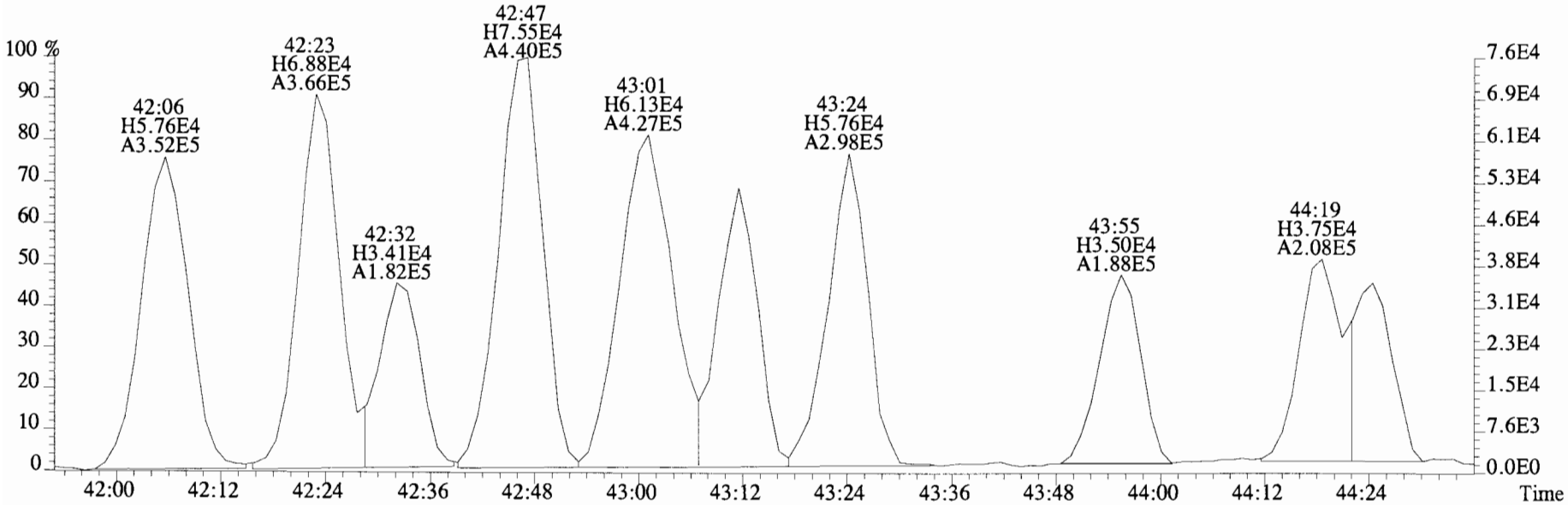

373.8788 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19336.0,0.00%,F,F)



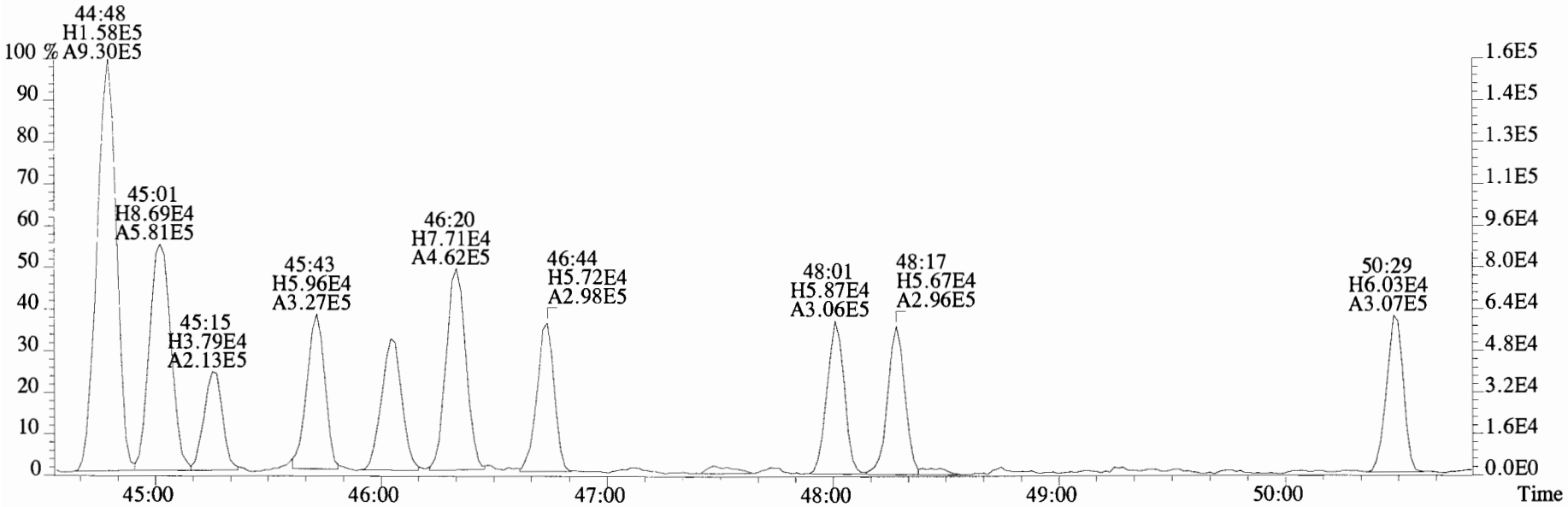
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
359.8415 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2156.0,0.00%,F,F)



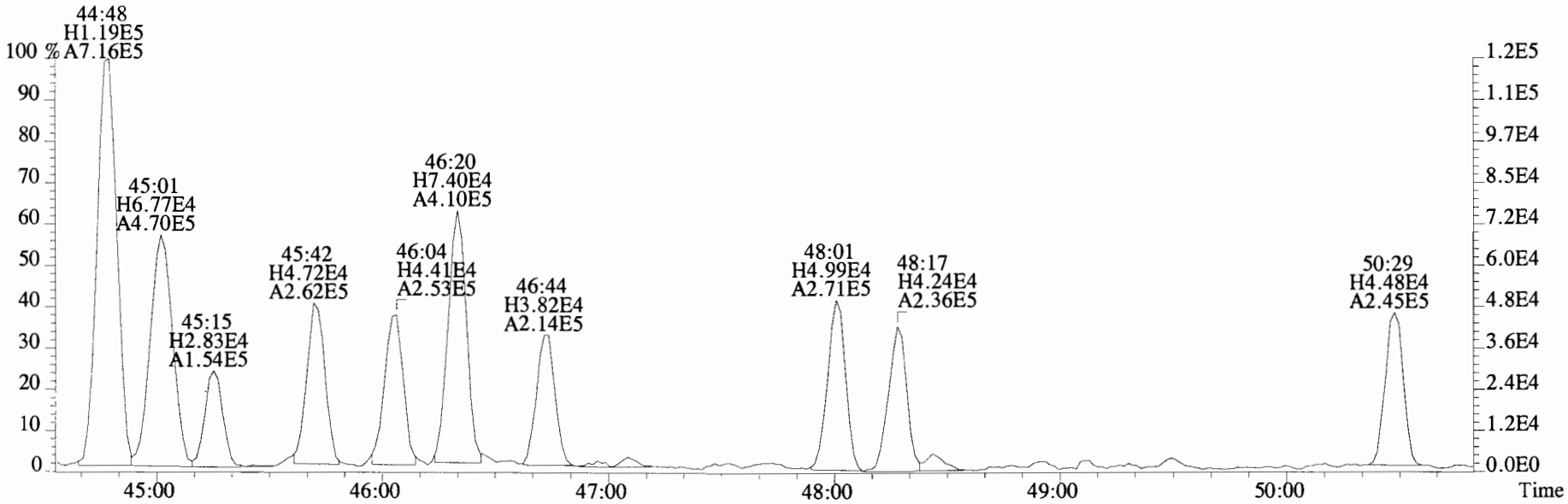

361.8385 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2408.0,0.00%,F,F)



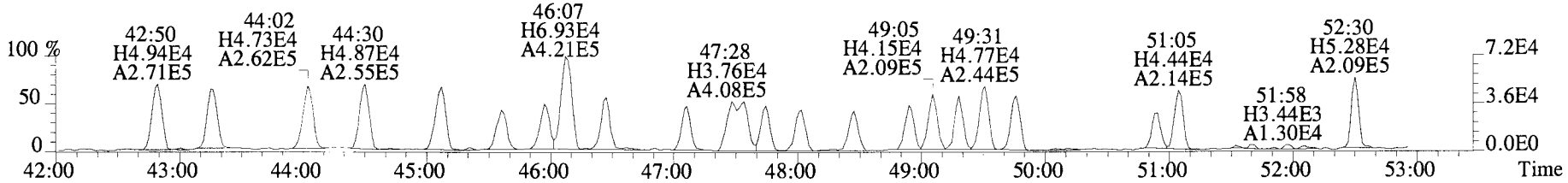
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
359.8415 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2156.0,0.00%,F,F)



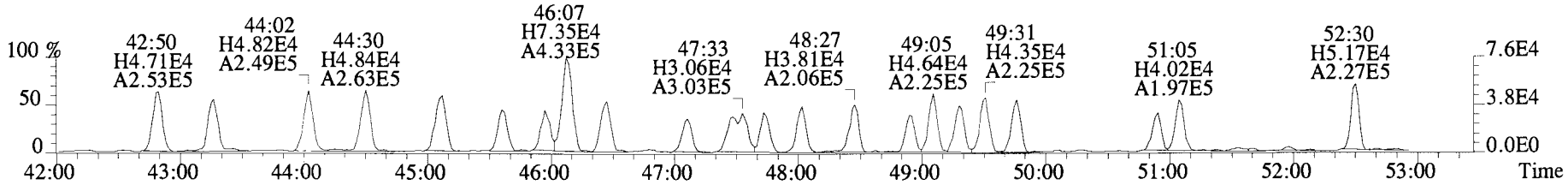

361.8385 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2408.0,0.00%,F,F)



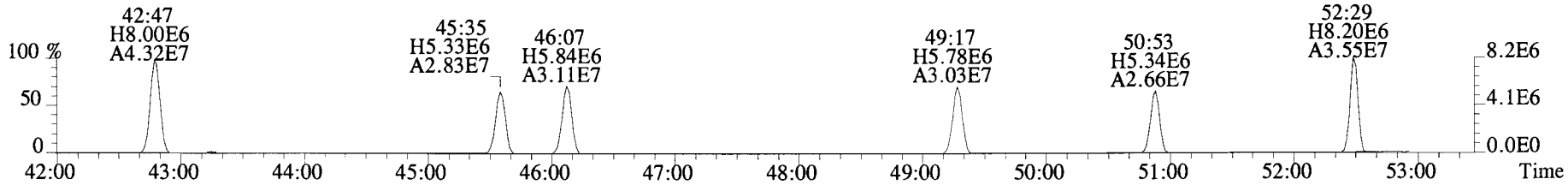
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
393.8025 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



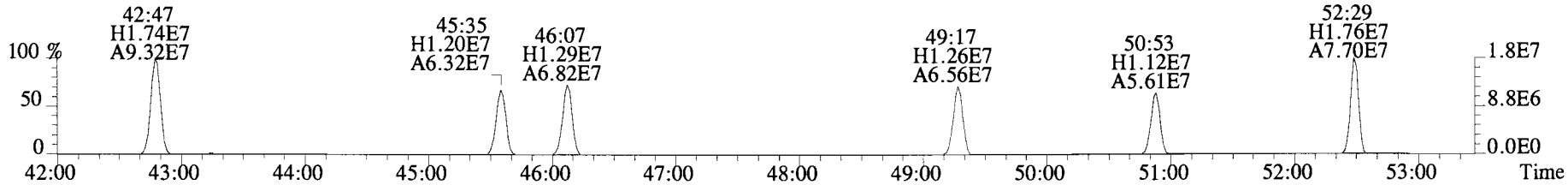

395.7995 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2312.0,0.00%,F,F)



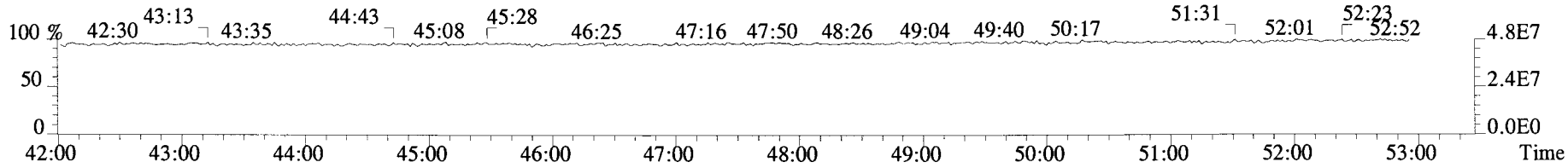

403.8457 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11636.0,0.00%,F,F)



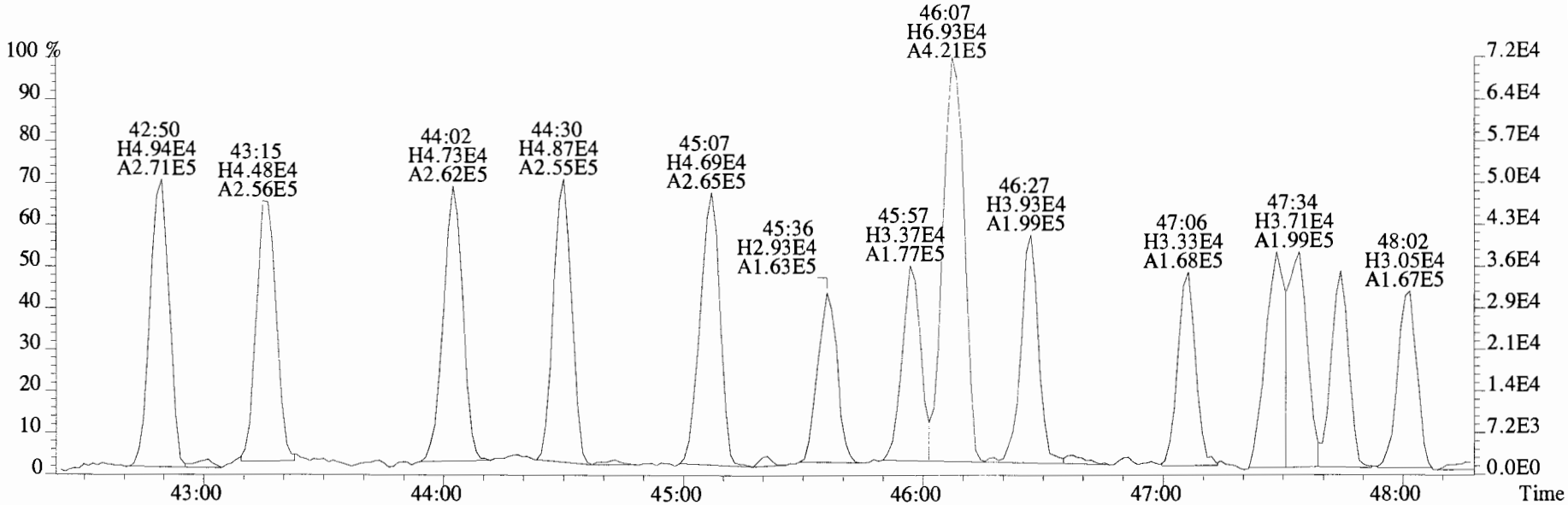

405.8428 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18176.0,0.00%,F,F)



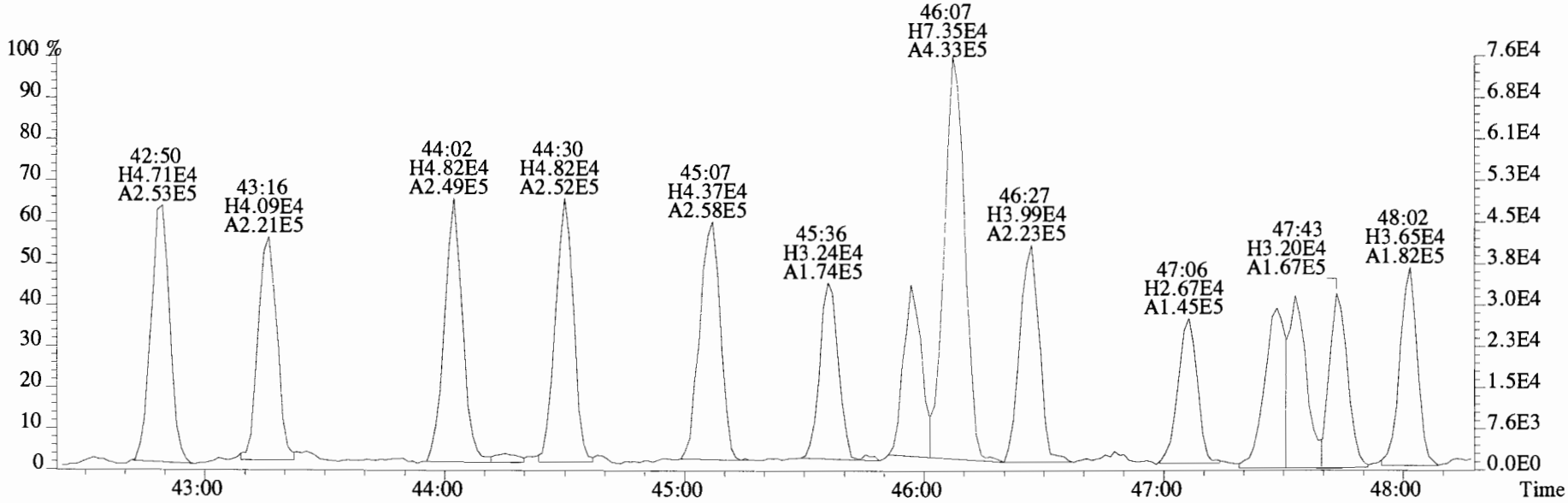

380.9760 F:4



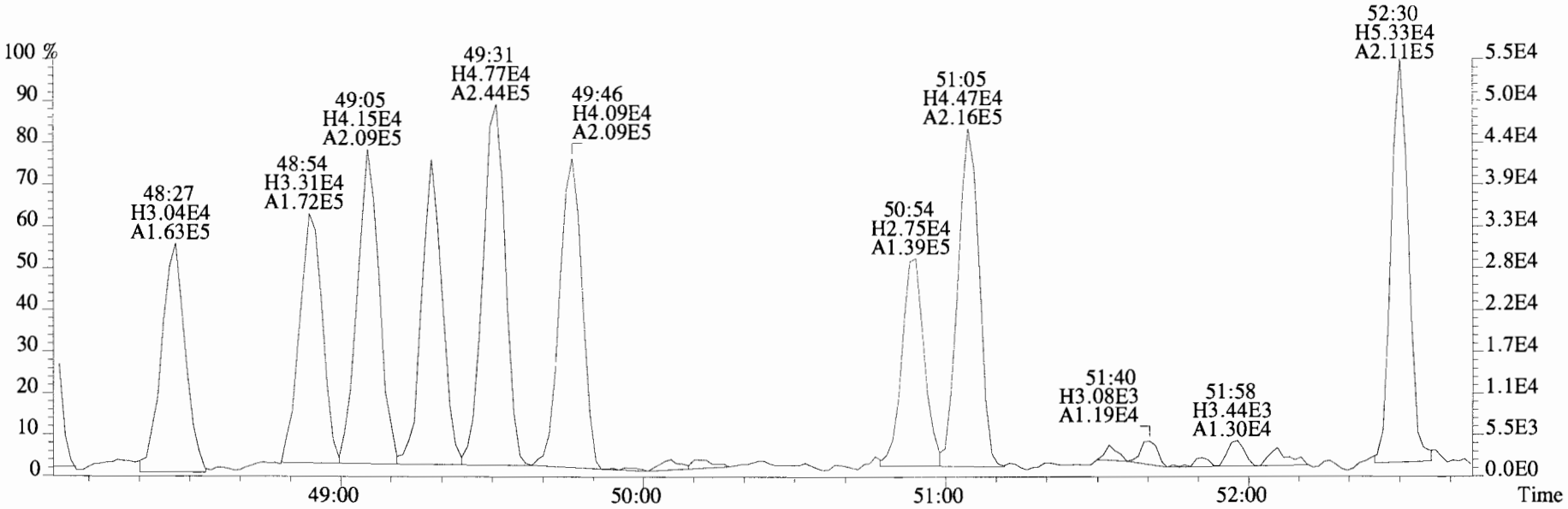
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
393.8025 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



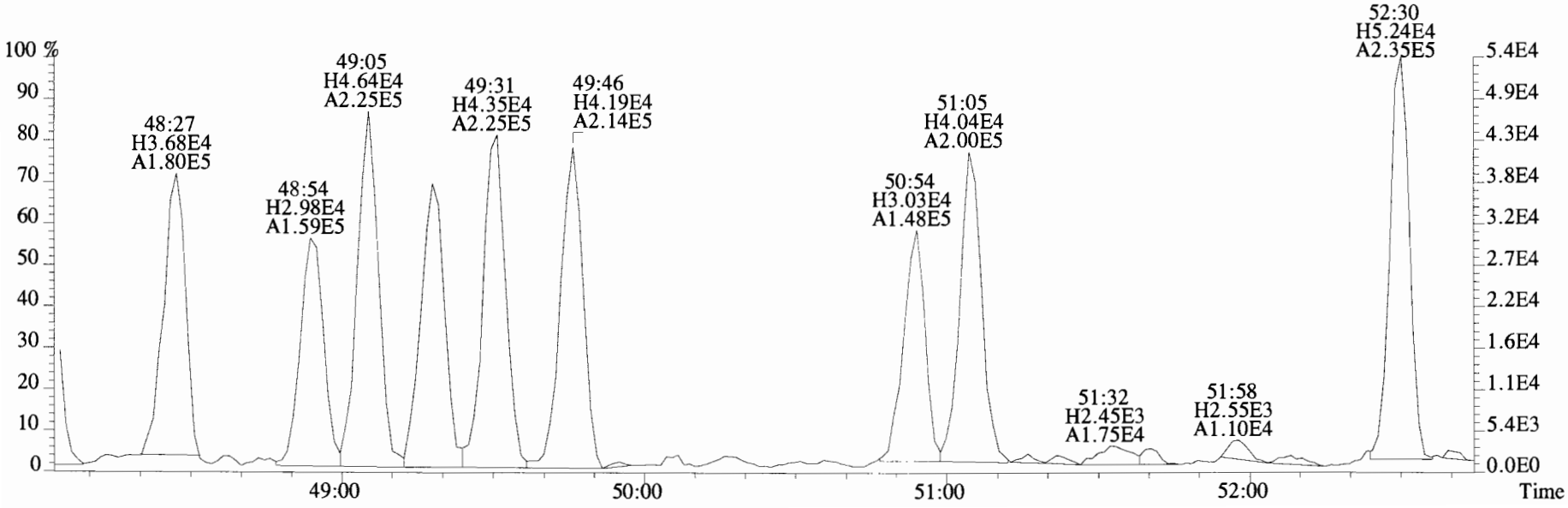

395.7995 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2312.0,0.00%,F,F)



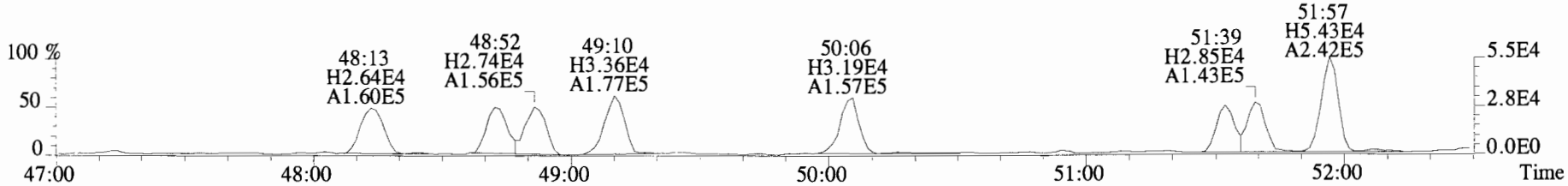
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
393.8025 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2444.0,0.00%,F,F)



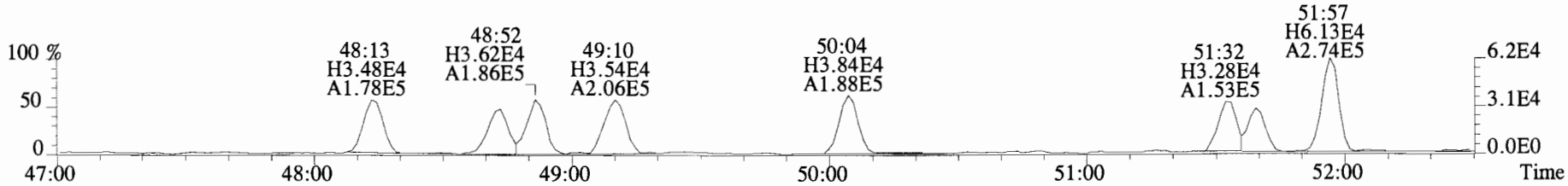

395.7995 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2312.0,0.00%,F,F)



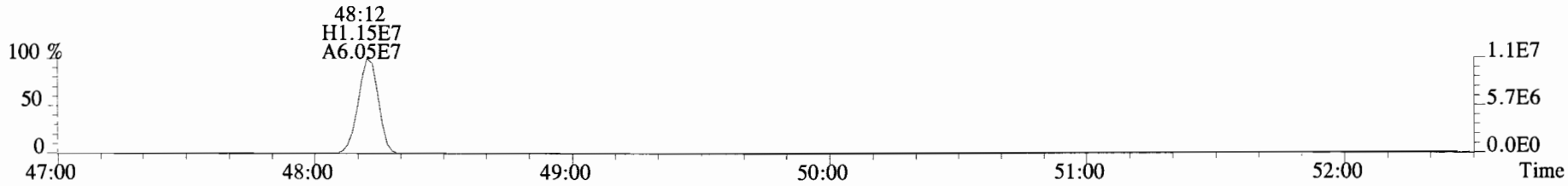
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
427.7635 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1984.0,0.00%,F,F)



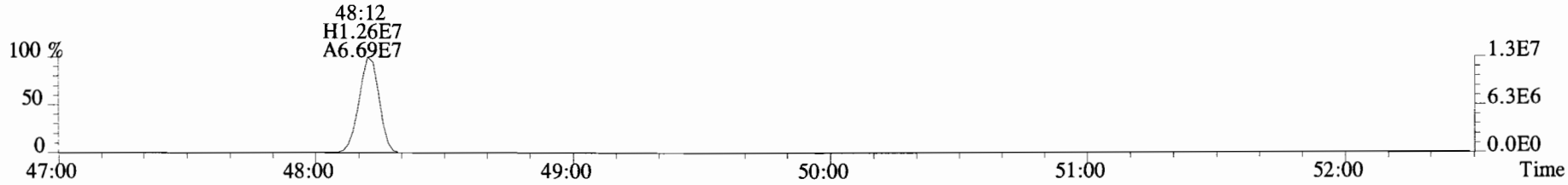

429.7606 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1992.0,0.00%,F,F)



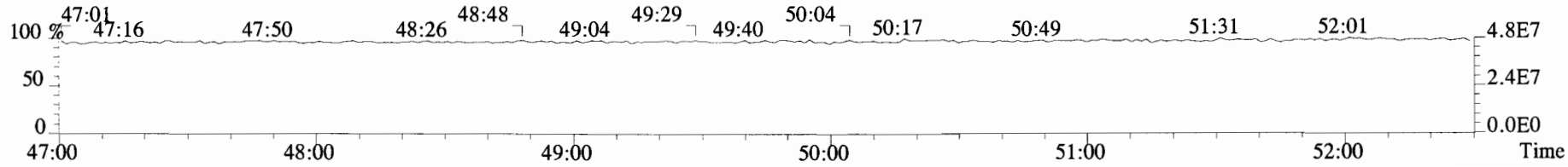

439.8038 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6124.0,0.00%,F,F)



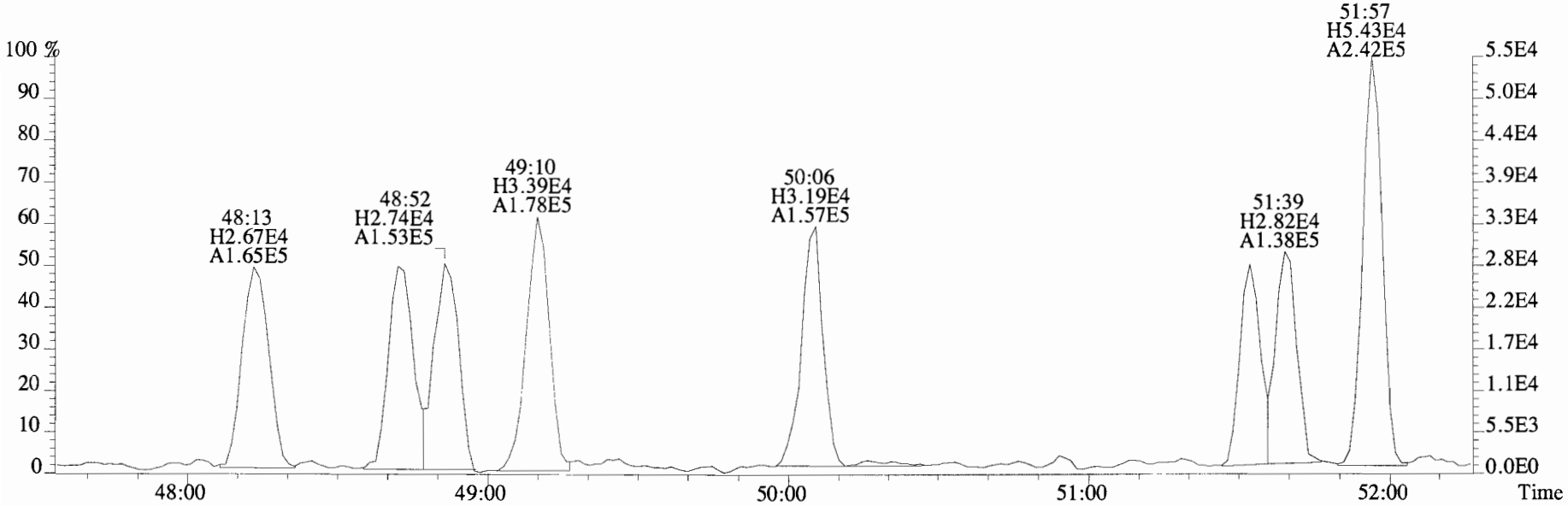

441.8008 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6860.0,0.00%,F,F)



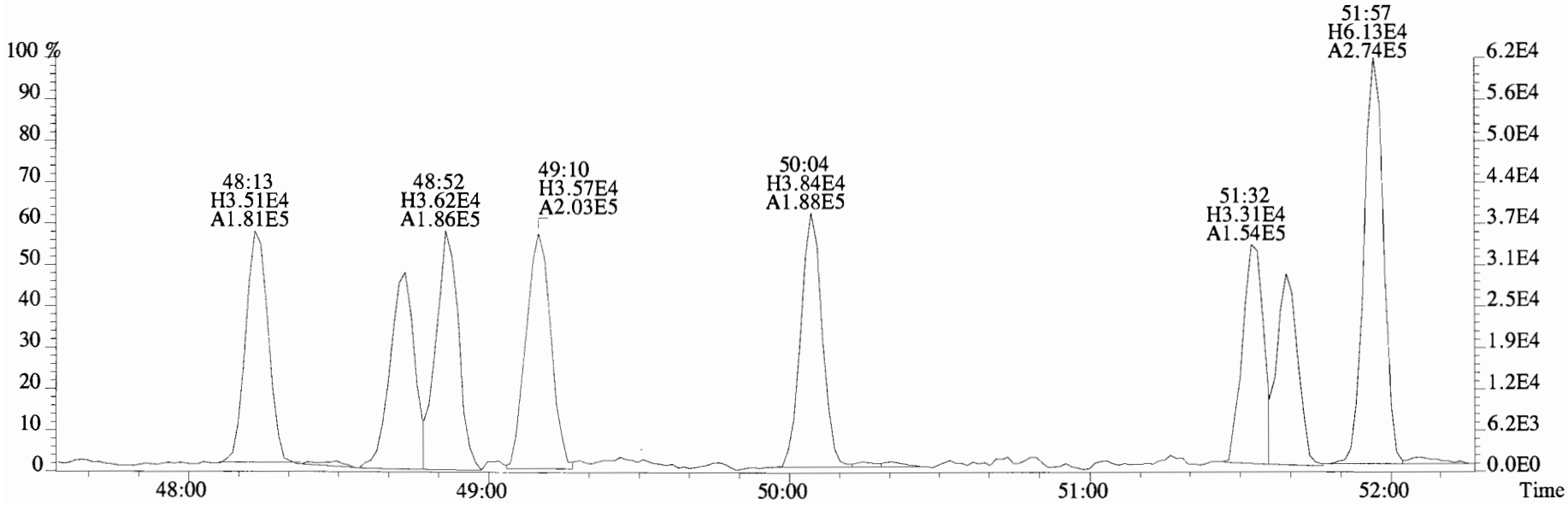

380.9760 F:4



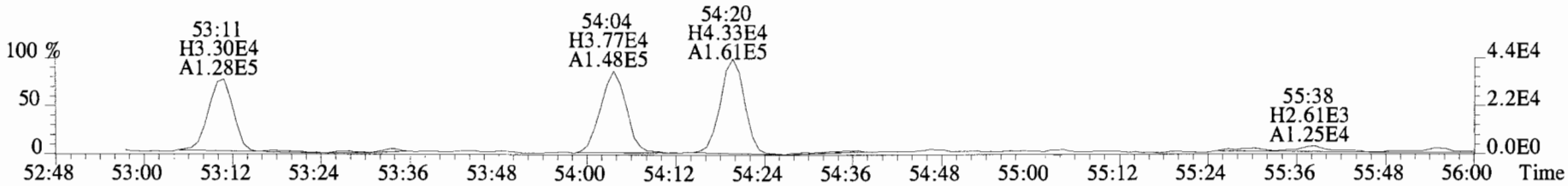
File:180208E1 #1-574 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
427.7635 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1984.0,0.00%,F,F)



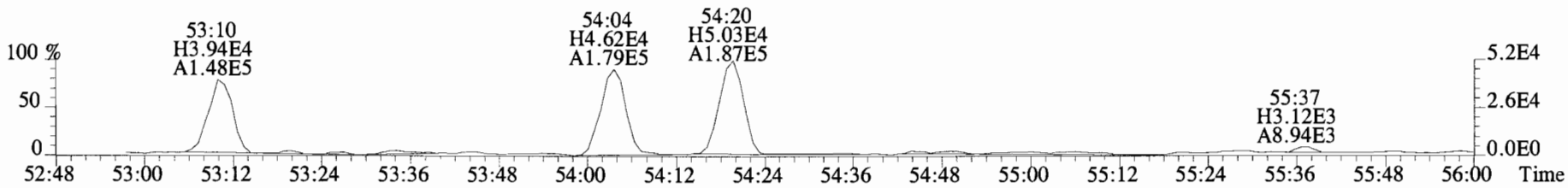

429.7606 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1992.0,0.00%,F,F)



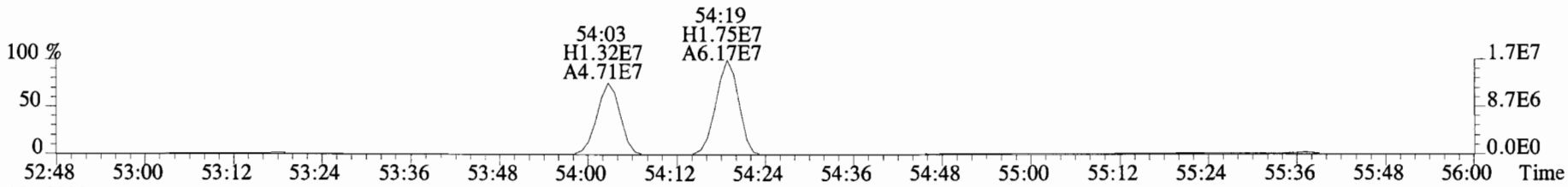
File:180208E1 #1-407 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
427.7635 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1552.0,0.00%,F,F)



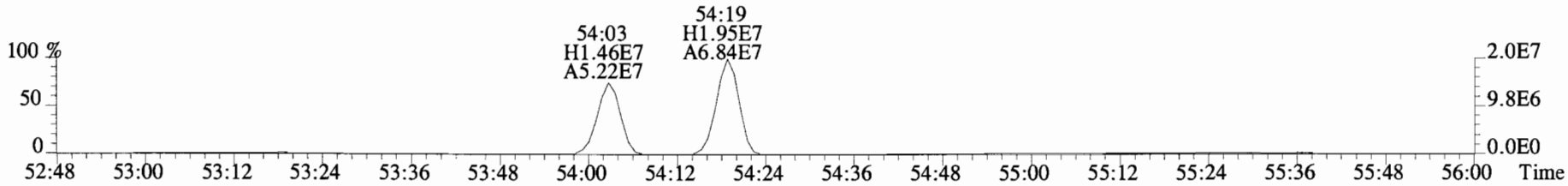

429.7606 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1780.0,0.00%,F,F)



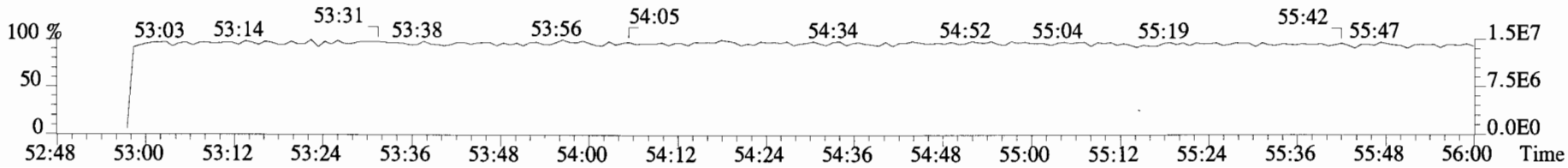

439.8038 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9204.0,0.00%,F,F)



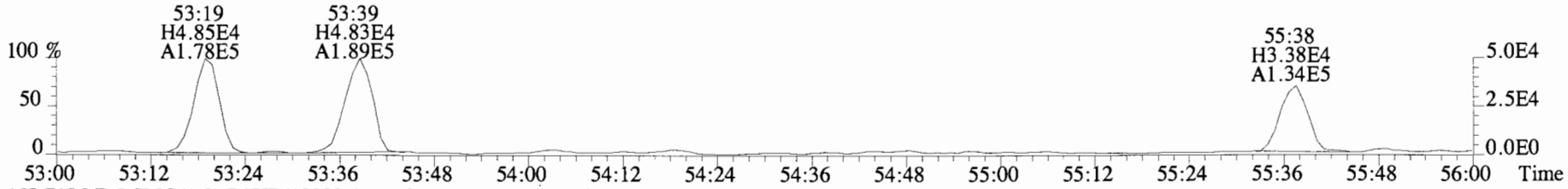

441.8008 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13472.0,0.00%,F,F)



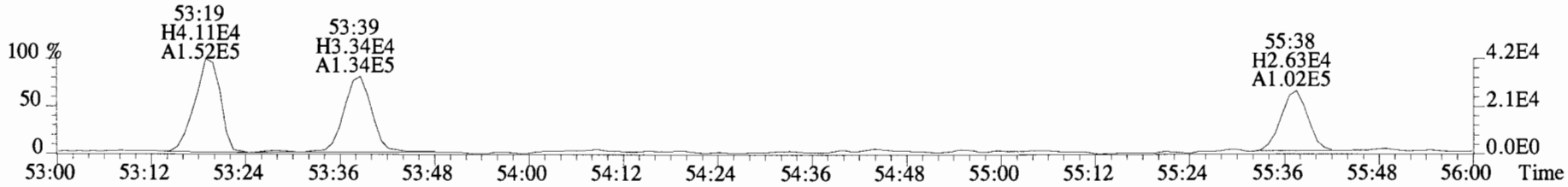

492.9697 F:5



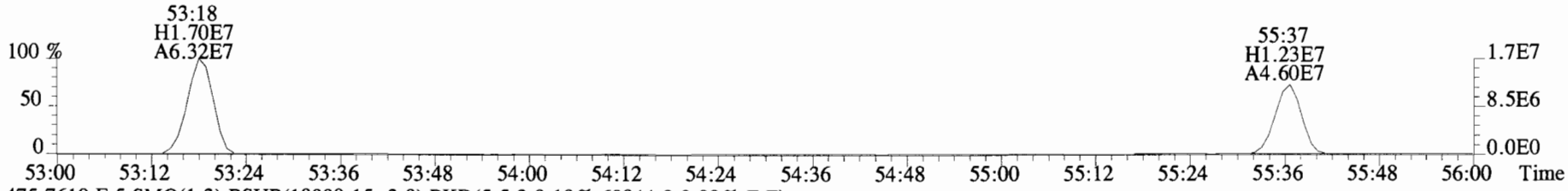
File:180208E1 #1-407 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
463.7216 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1728.0,0.00%,F,F)



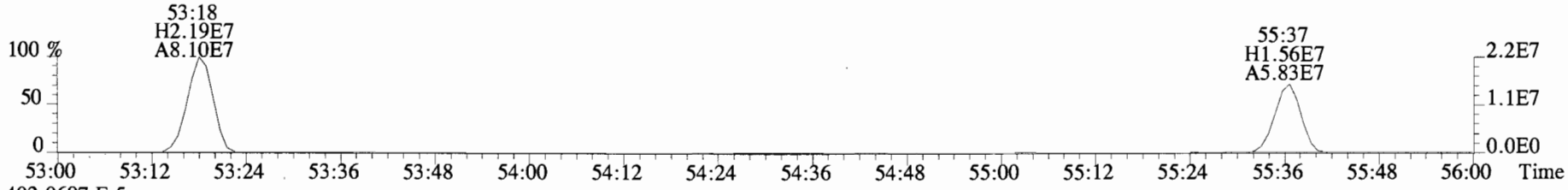

465.7186 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1520.0,0.00%,F,F)



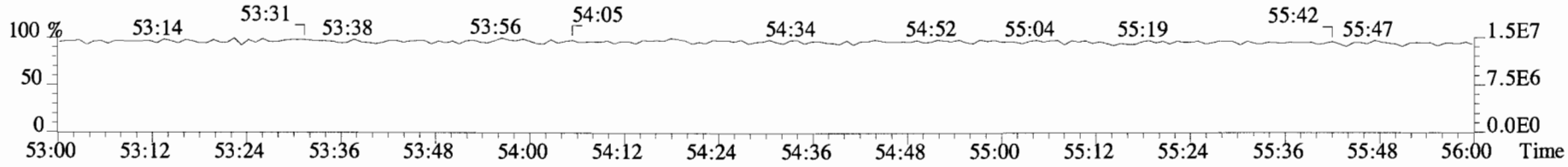

473.7648 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,60792.0,0.00%,F,F)



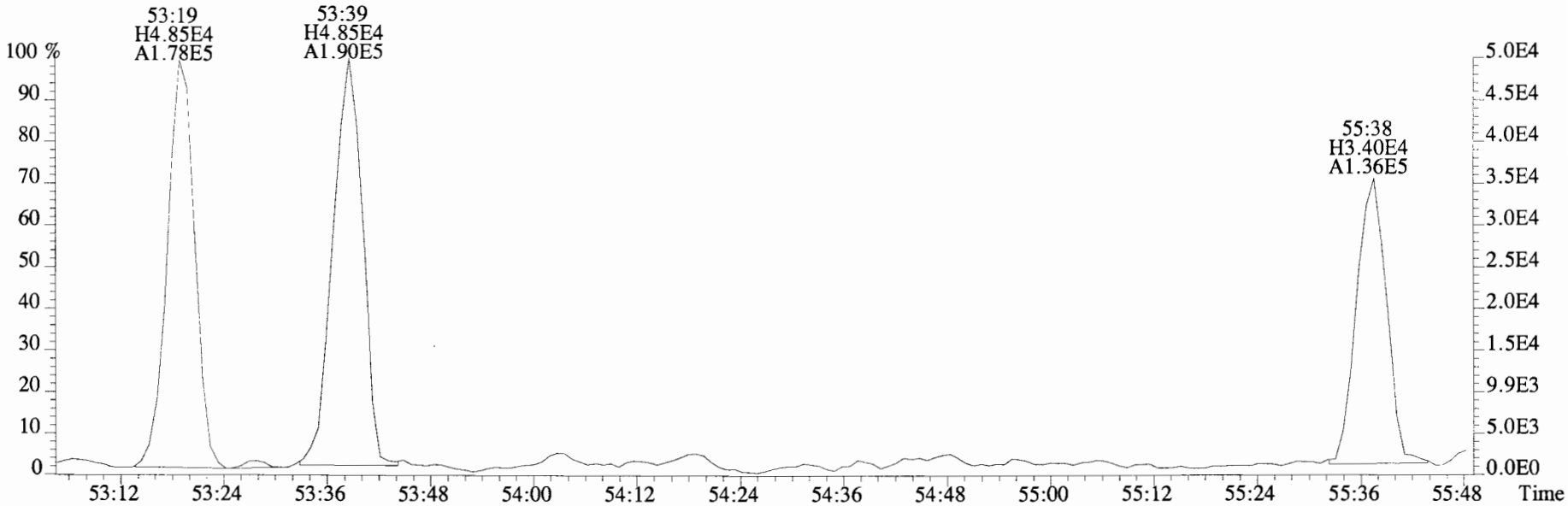

475.7619 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,69044.0,0.00%,F,F)



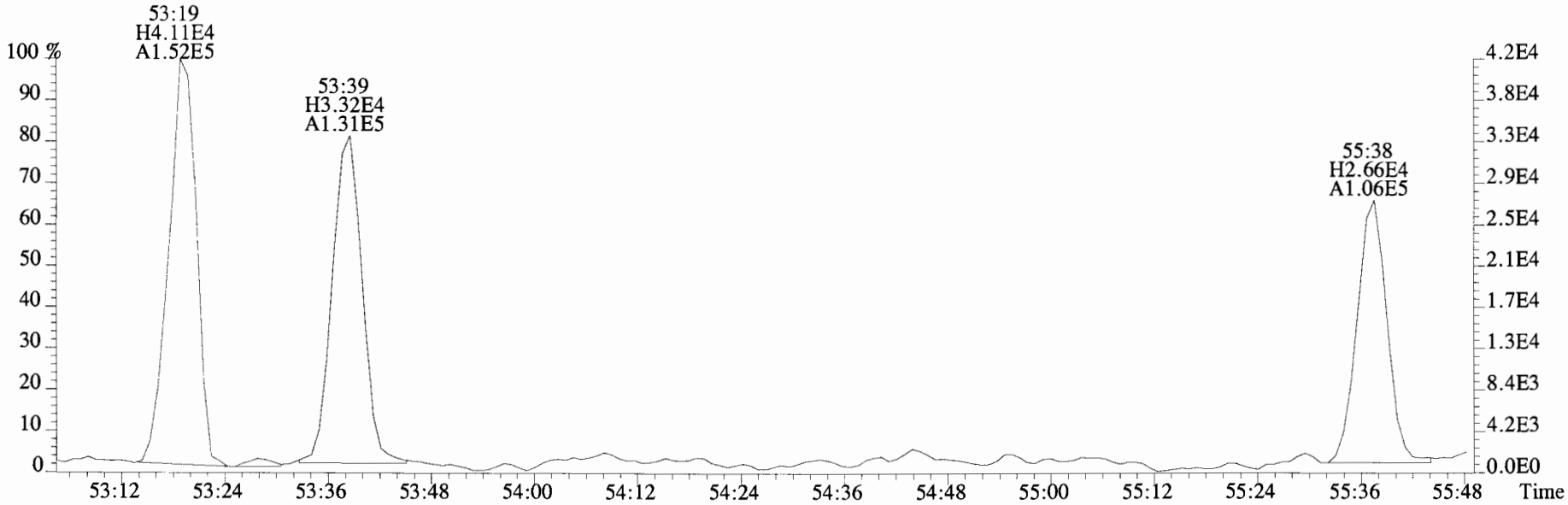

492.9697 F:5



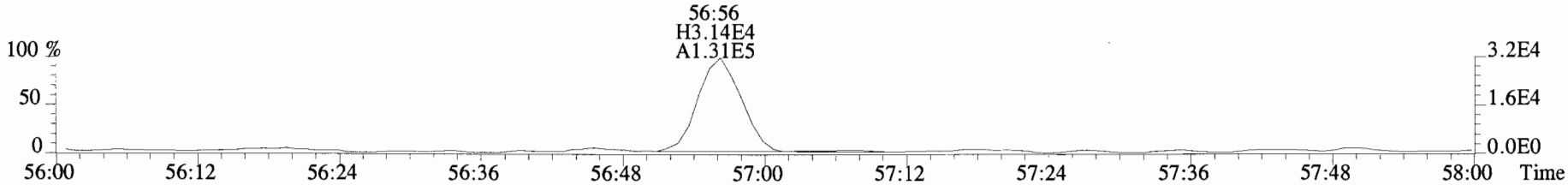
File:180208E1 #1-407 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
463.7216 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1728.0,0.00%,F,F)



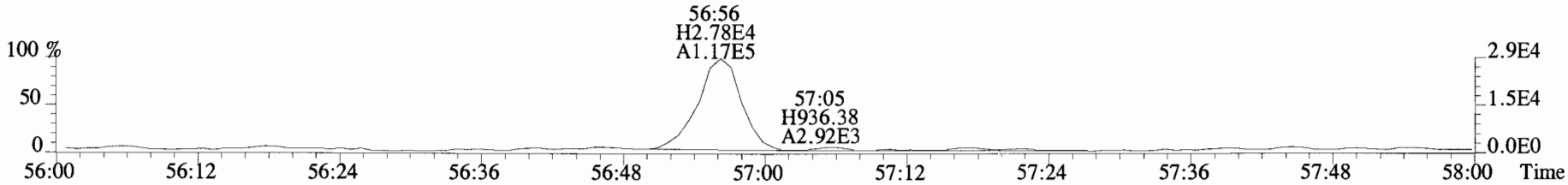

465.7186 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1520.0,0.00%,F,F)



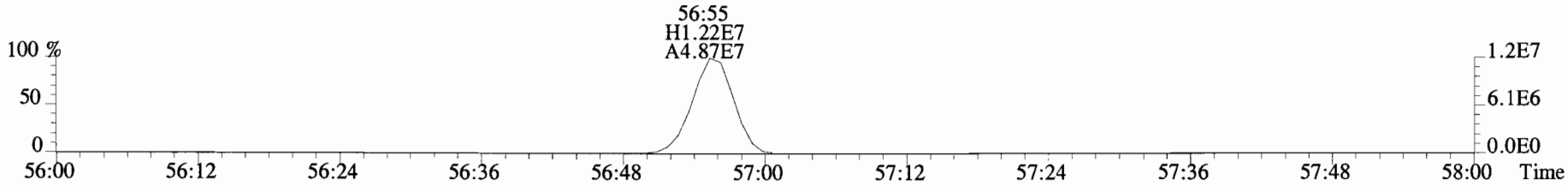
File:180208E1 #1-407 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
497.6826 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1412.0,0.00%,F,F)



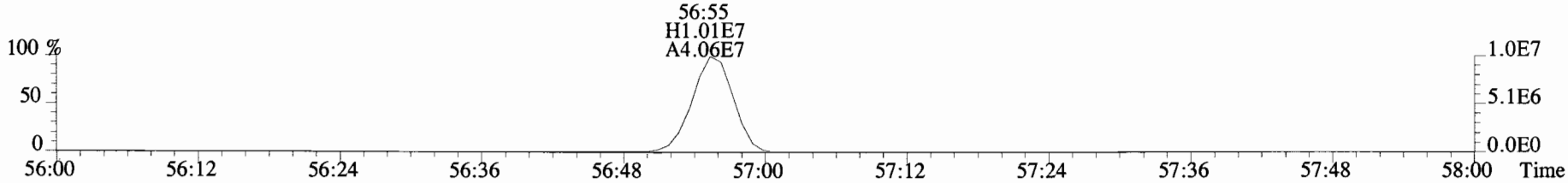

499.6797 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1700.0,0.00%,F,F)



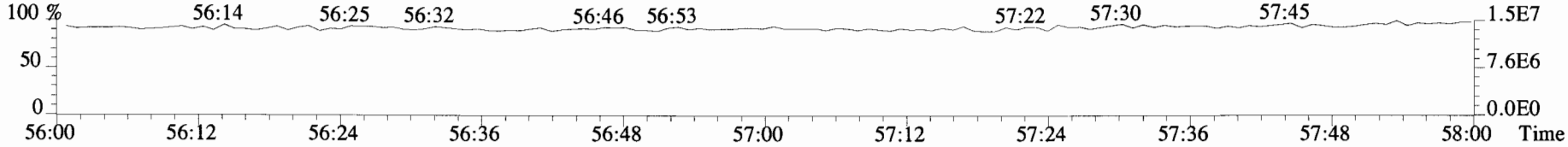

509.7229 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1680.0,0.00%,F,F)



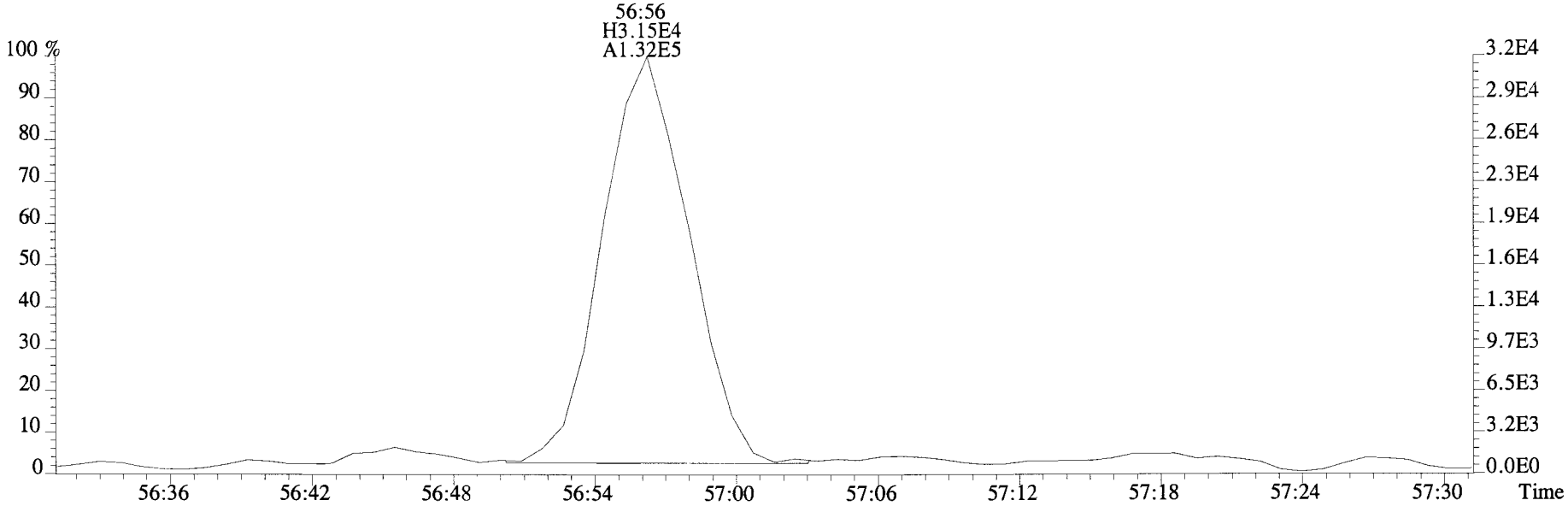

511.7199 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1572.0,0.00%,F,F)



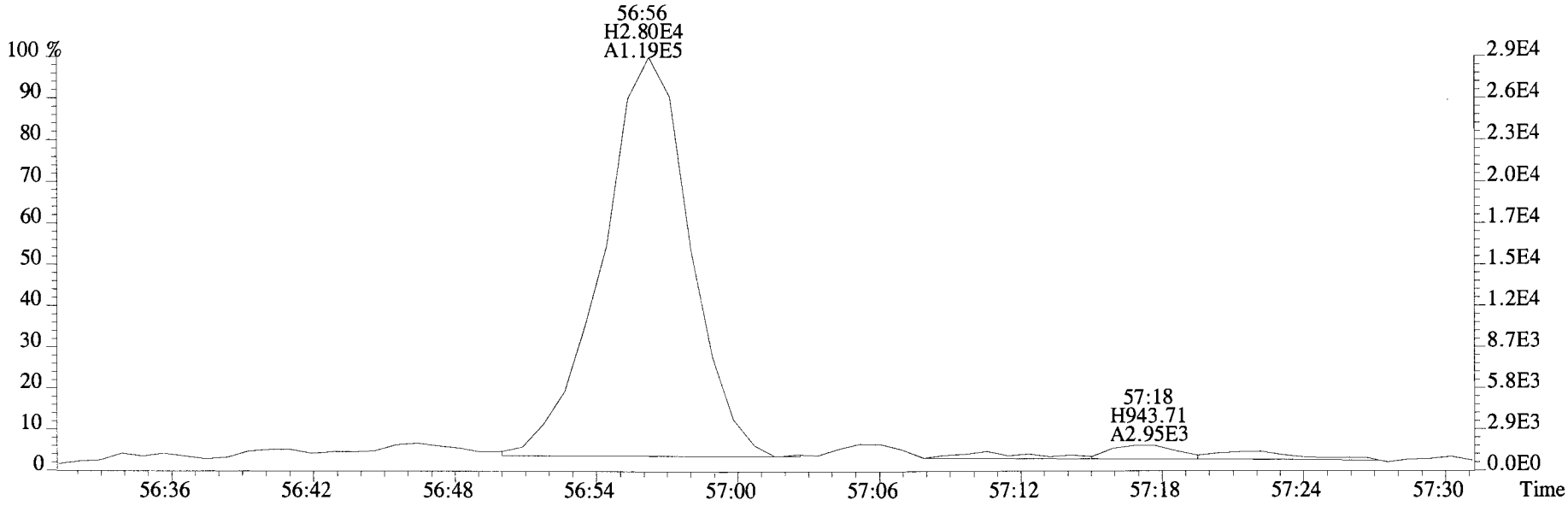

492.9697 F:5



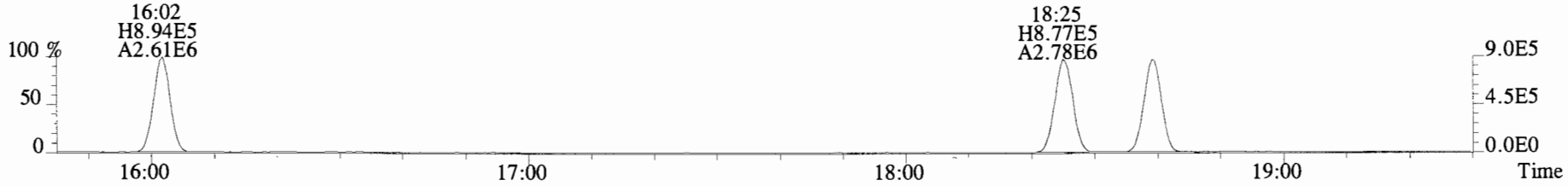
File:180208E1 #1-407 Acq: 8-FEB-2018 08:34:42 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-1 PCB CS0 17L3003 Exp:PCB_ZB1
497.6826 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1412.0,0.00%,F,F)



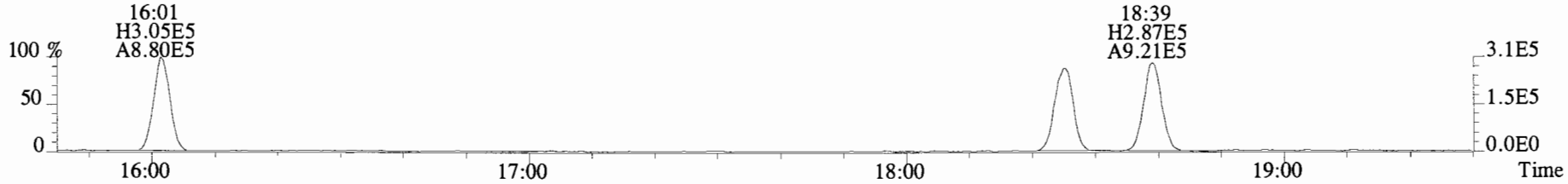

499.6797 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1700.0,0.00%,F,F)



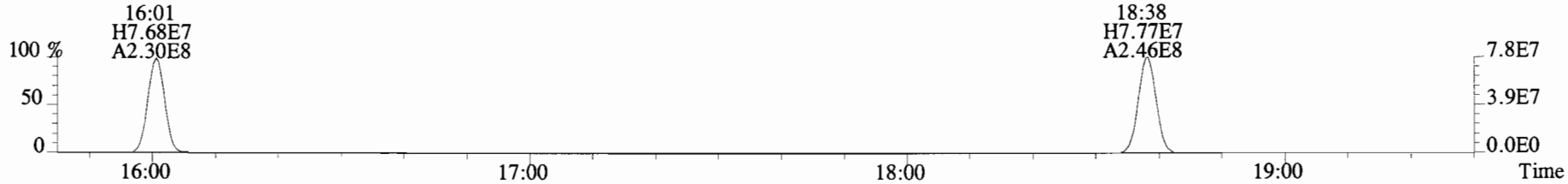
File:180208E1 #1-866 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
188.0393 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9444.0,0.00%,F,F)



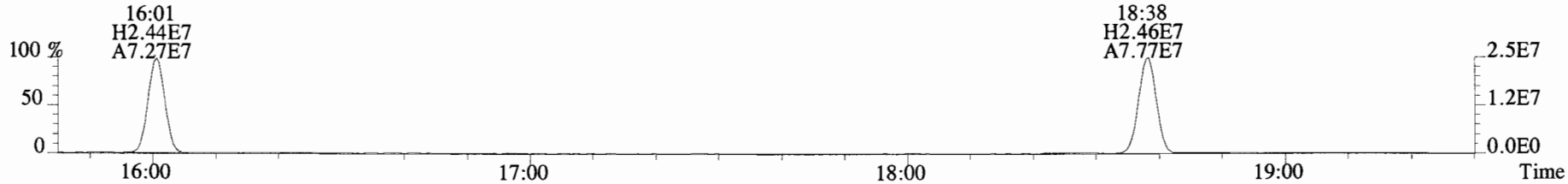

190.0363 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5396.0,0.00%,F,F)



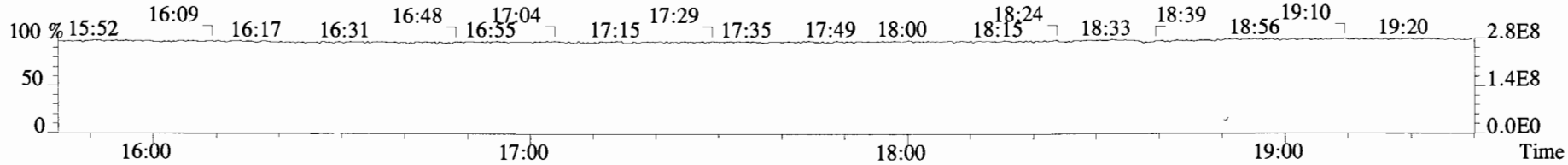

200.0795 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8352.0,0.00%,F,F)



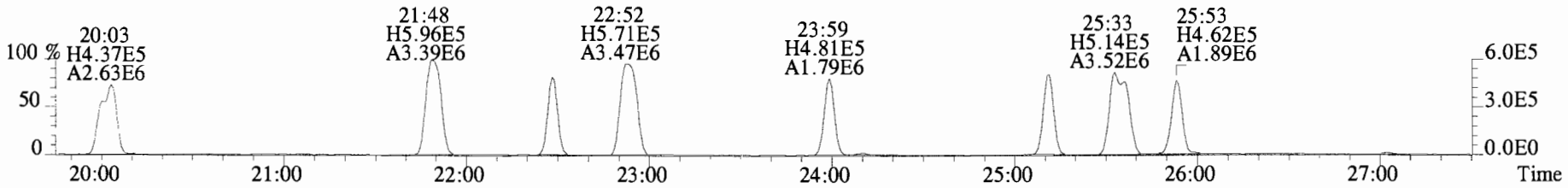

202.0766 S:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,98792.0,0.00%,F,F)



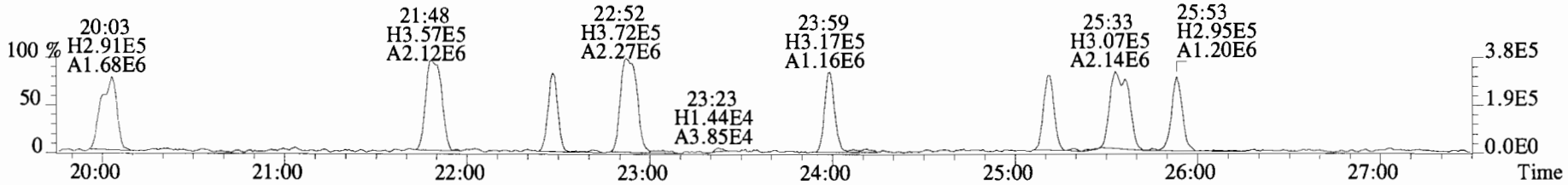

180.9880 S:2



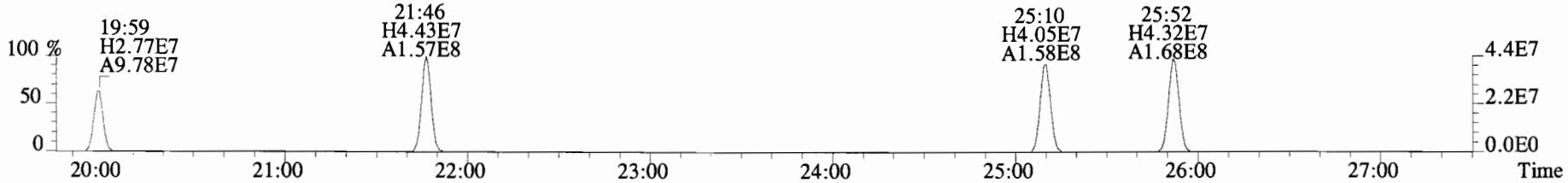
File:180208E1 #1-757 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
222.0003 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3252.0,0.00%,F,F)



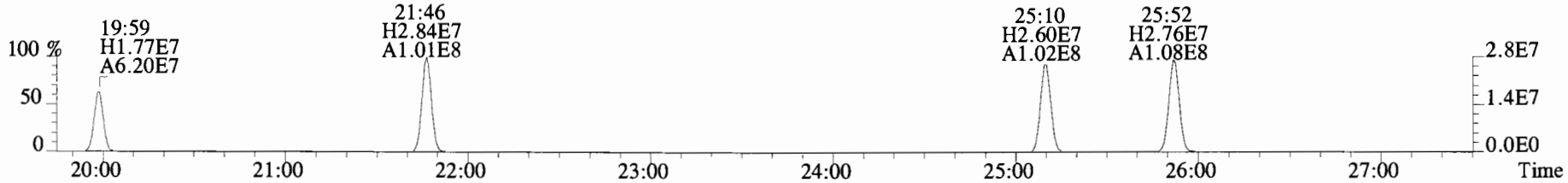

223.9974 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14612.0,0.00%,F,F)



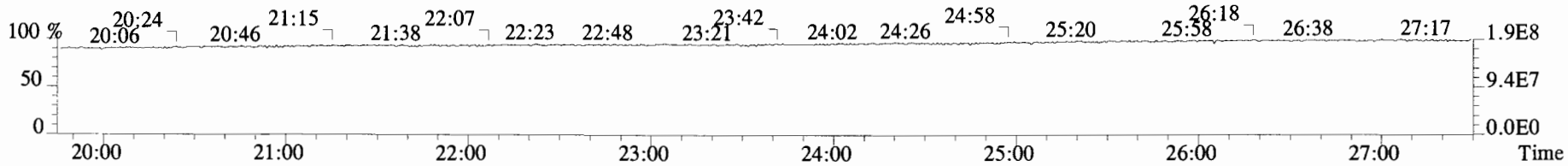

234.0406 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5004.0,0.00%,F,F)



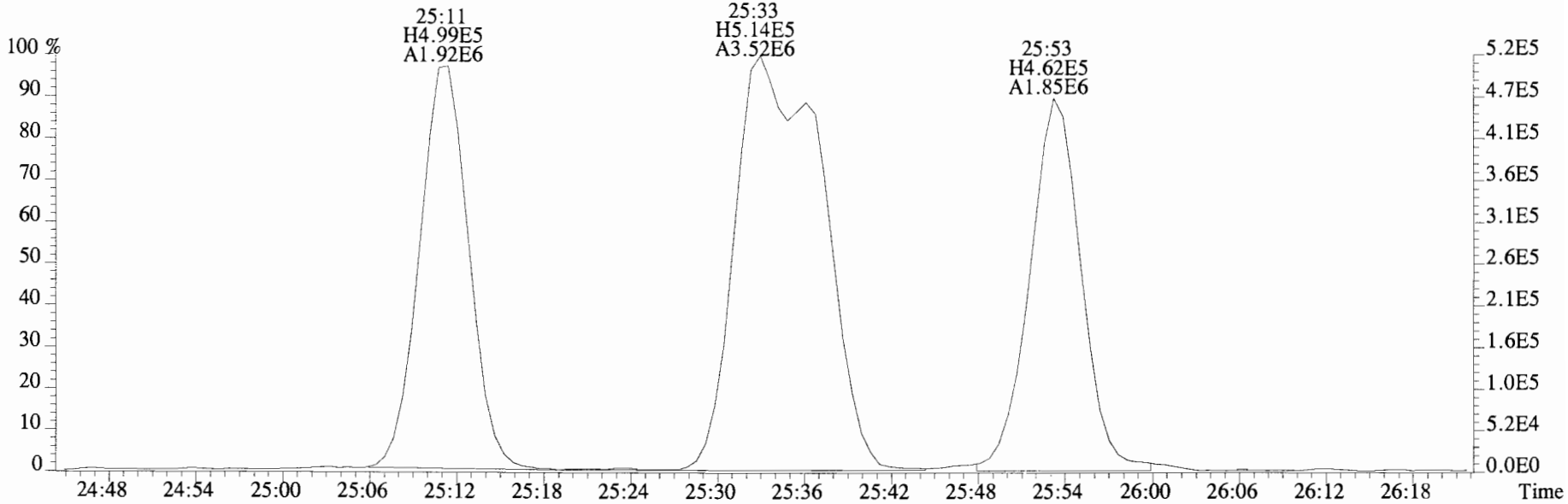

236.0376 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4752.0,0.00%,F,F)



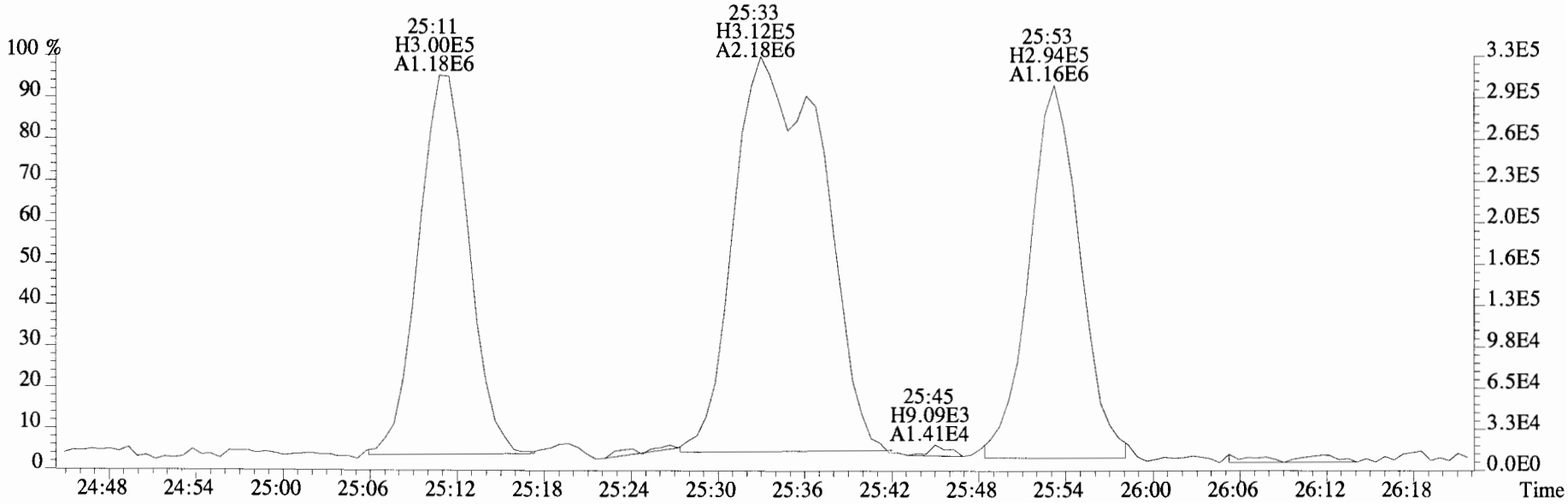

230.9856 S:2 F:2



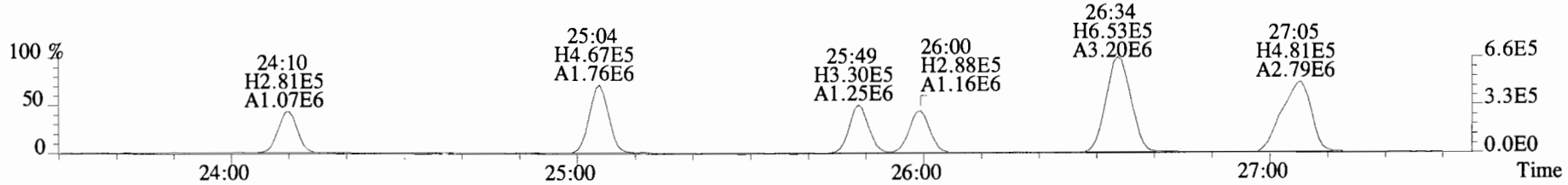
File:180208E1 #1-757 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
222.0003 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3252.0,0.00%,F,F)



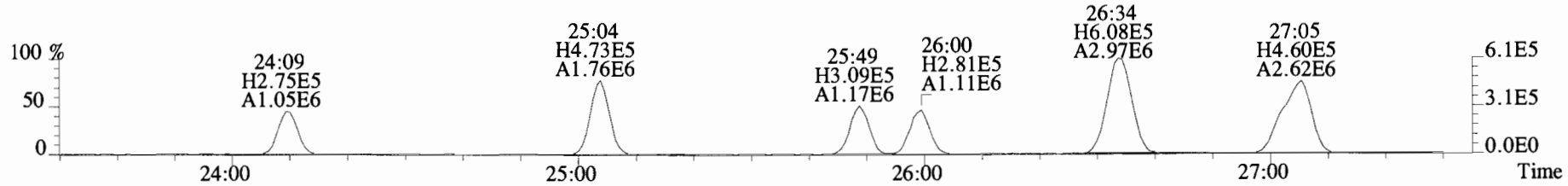

223.9974 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14612.0,0.00%,F,F)



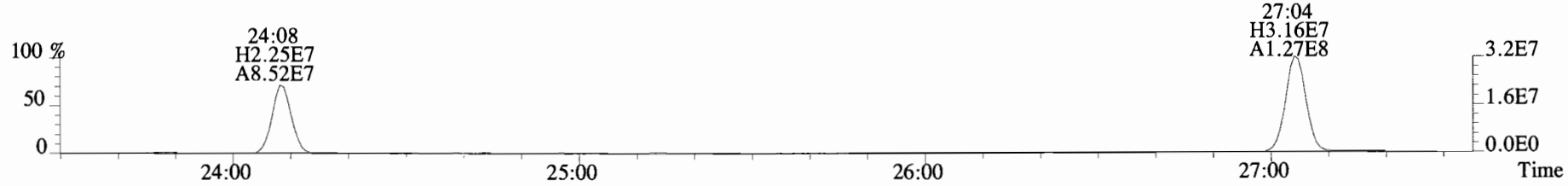
File:180208E1 #1-757 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
255.9613 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4452.0,0.00%,F,F)



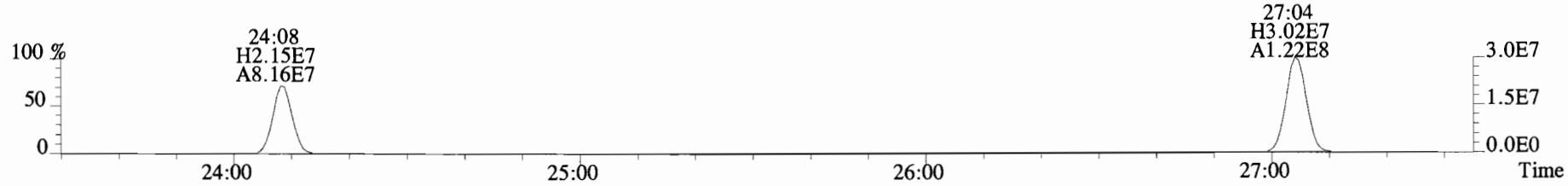

257.9584 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2916.0,0.00%,F,F)



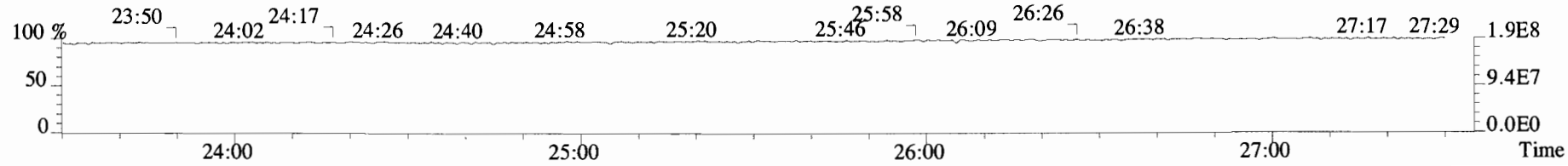

268.0016 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,87396.0,0.00%,F,F)



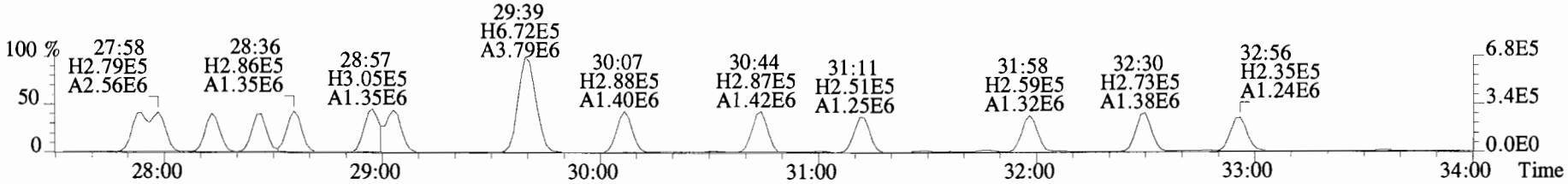

269.9986 S:2 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40132.0,0.00%,F,F)



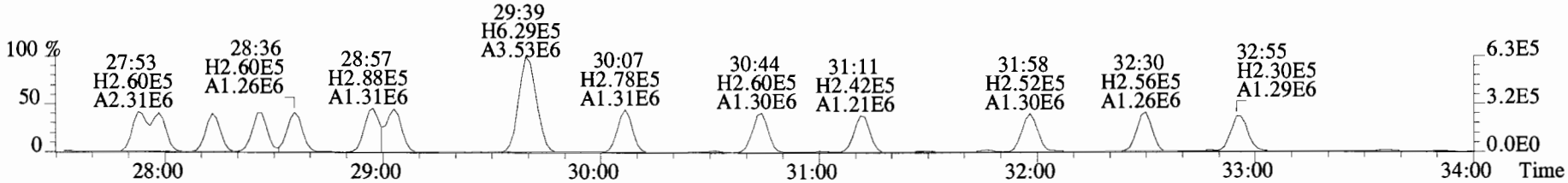

230.9856 S:2 F:2



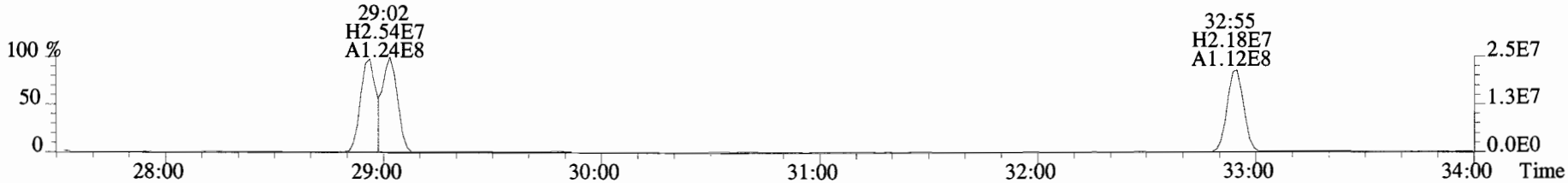
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
255.9613 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4016.0,0.00%,F,F)



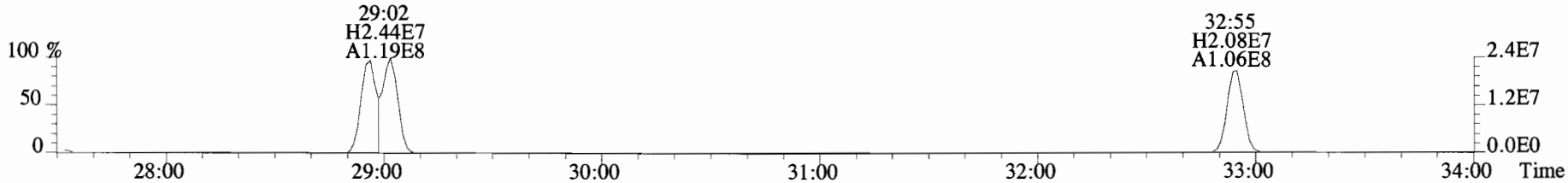

257.9584 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3072.0,0.00%,F,F)



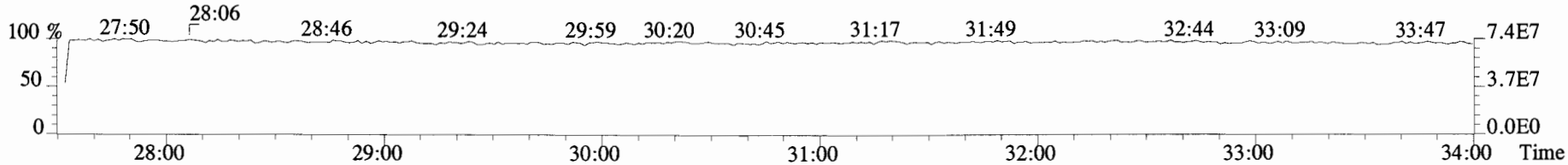

268.0016 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,94516.0,0.00%,F,F)



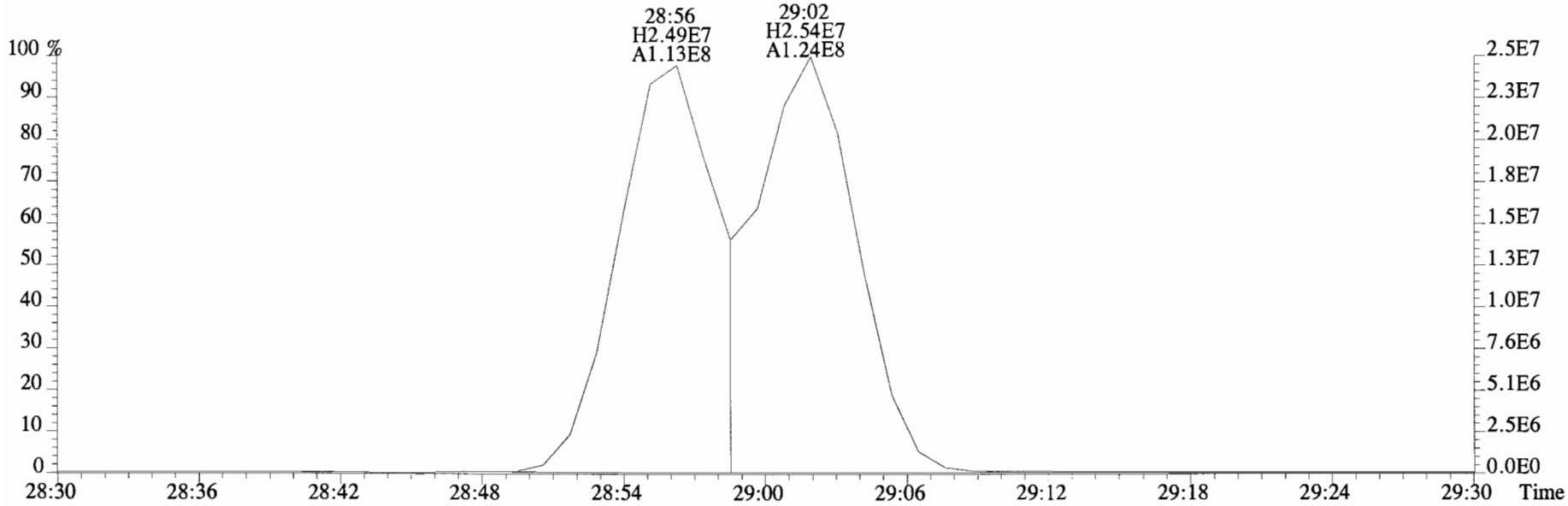

269.9986 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25944.0,0.00%,F,F)



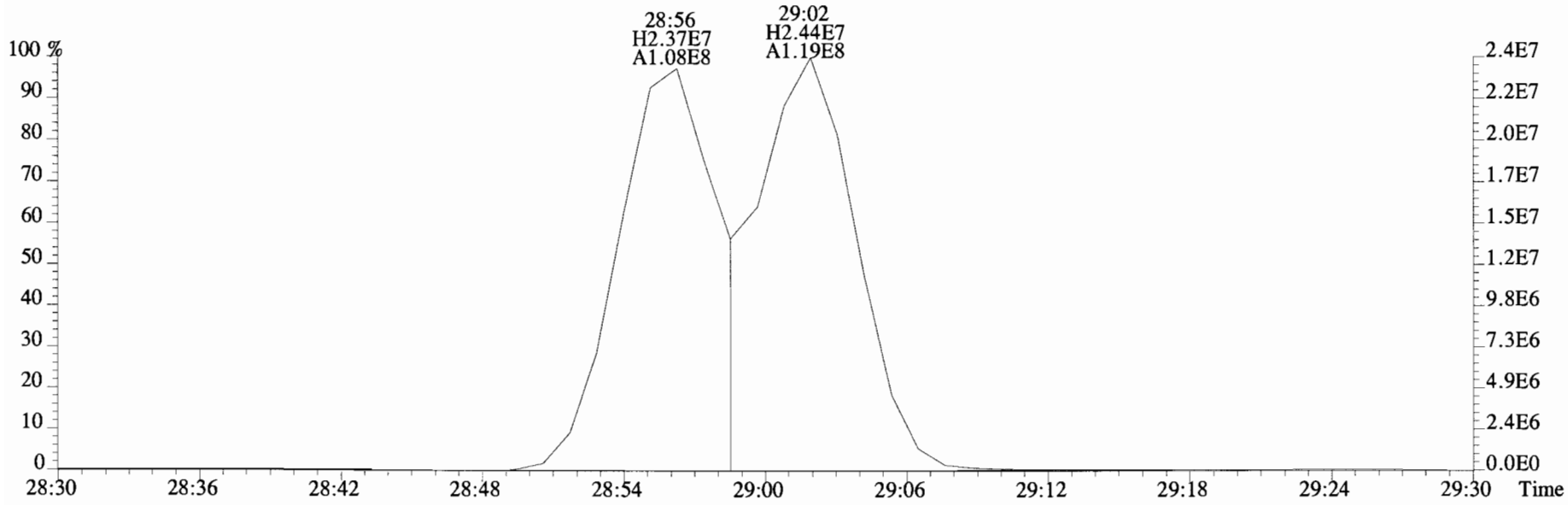

330.9792 S:2 F:3



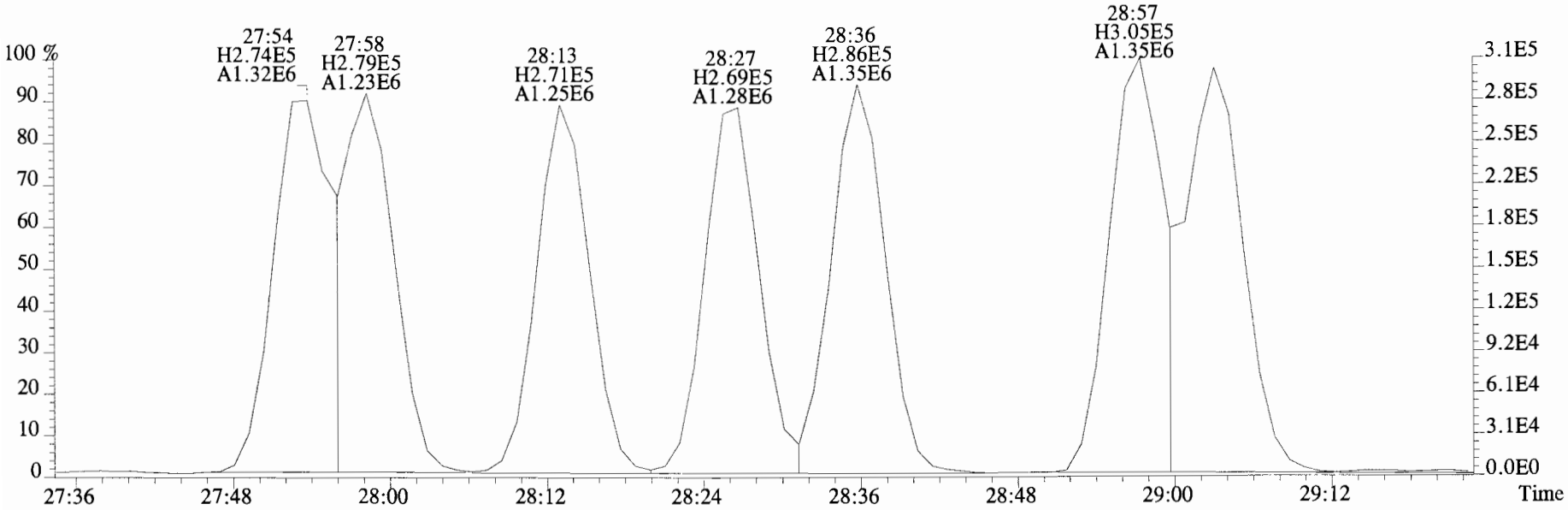
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
268.0016 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,94516.0,0.00%,F,F)



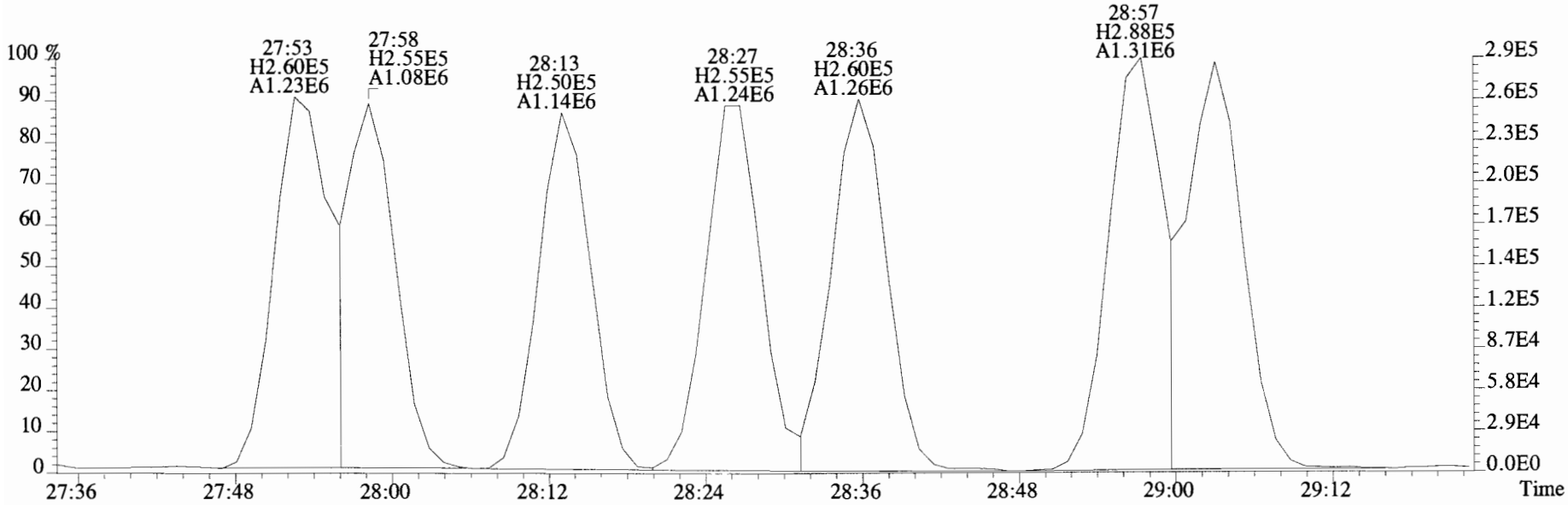

269.9986 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25944.0,0.00%,F,F)



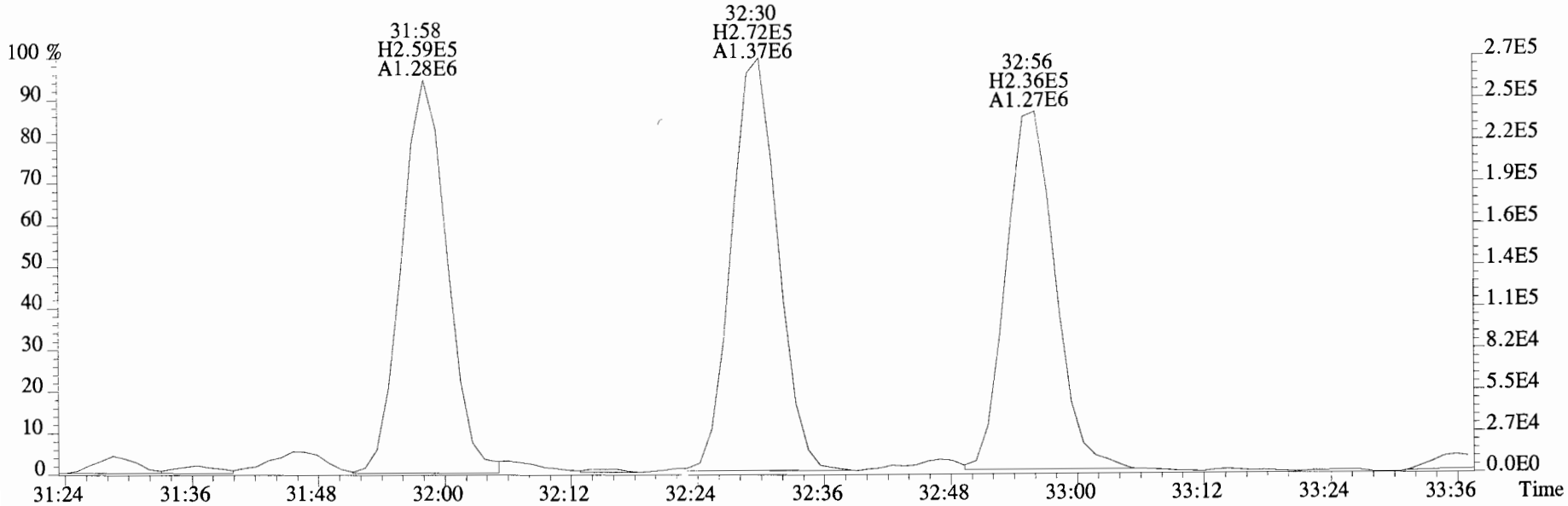
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
255.9613 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4016.0,0.00%,F,F)



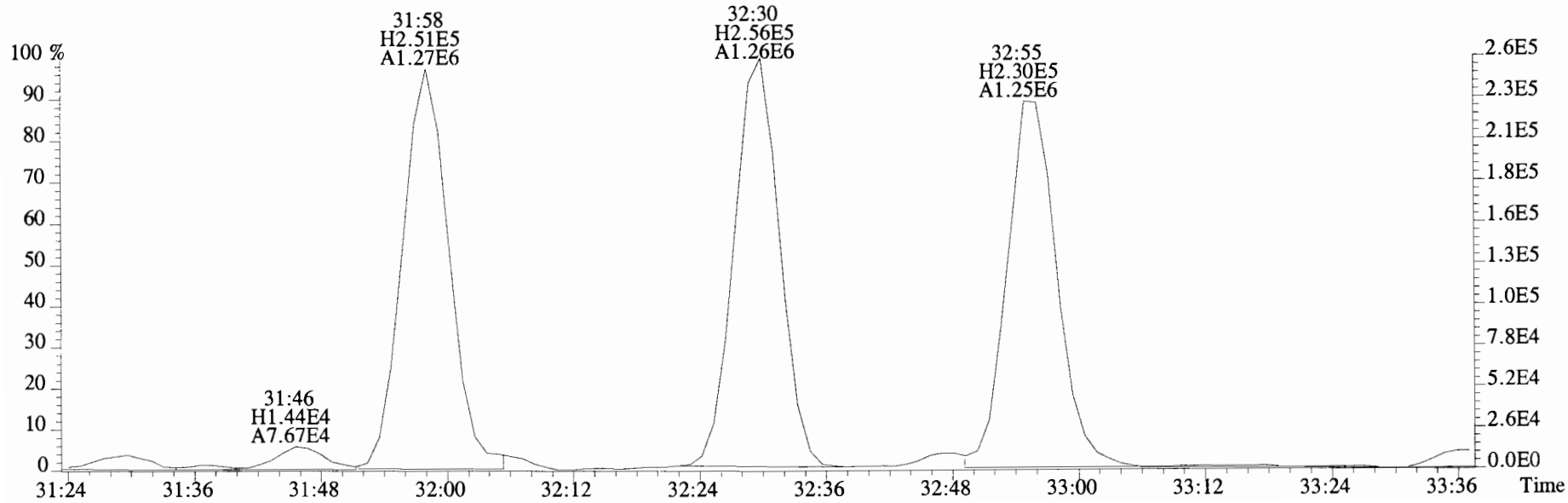

257.9584 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3072.0,0.00%,F,F)



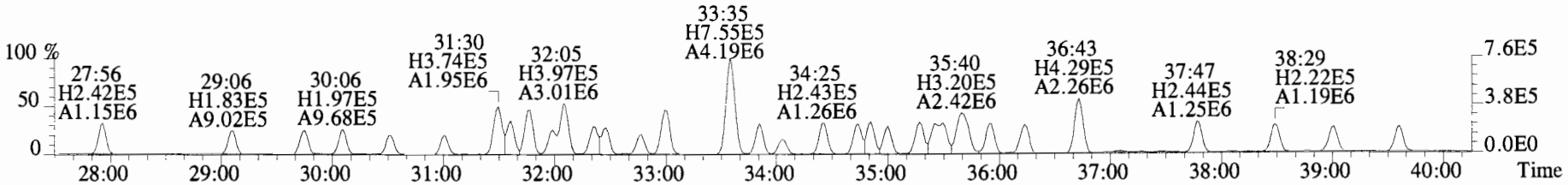
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
255.9613 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4016.0,0.00%,F,F)



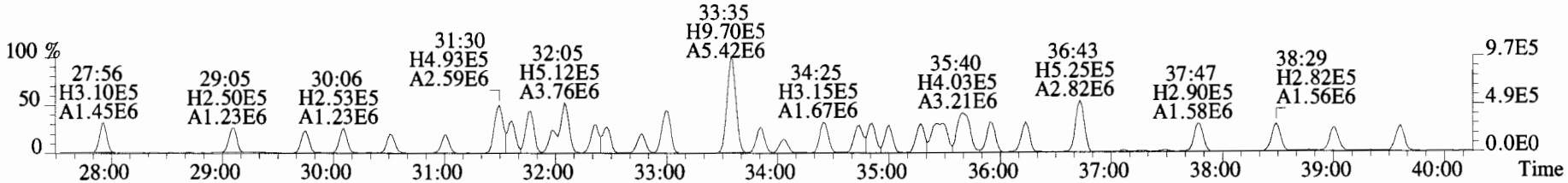

257.9584 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3072.0,0.00%,F,F)



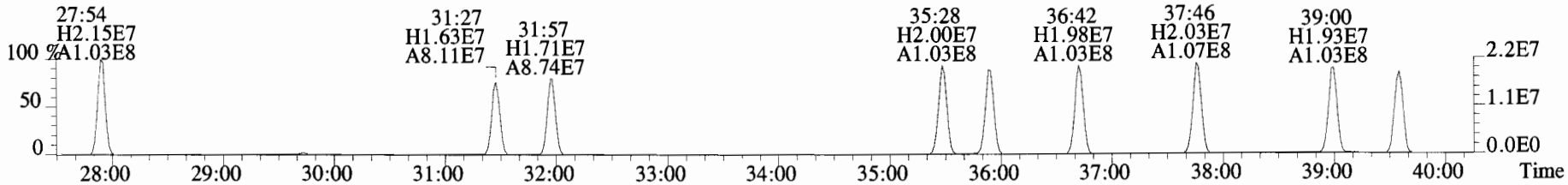
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3900.0,0.00%,F,F)



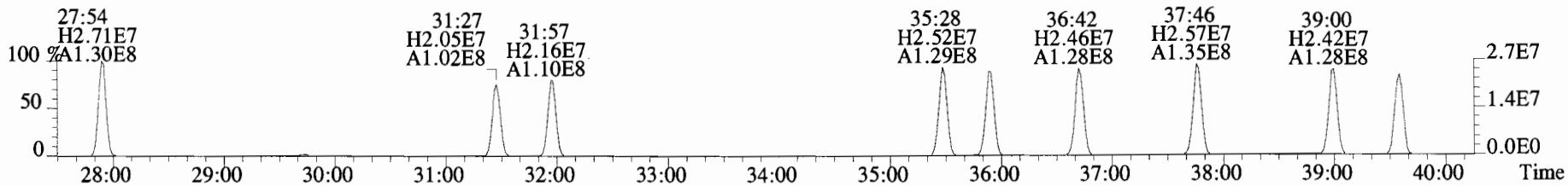

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4012.0,0.00%,F,F)



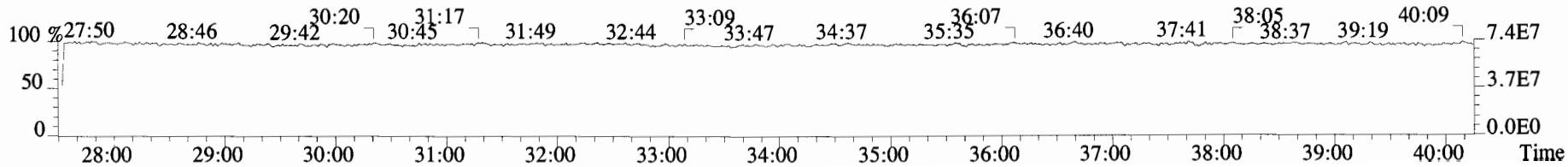

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35928.0,0.00%,F,F)



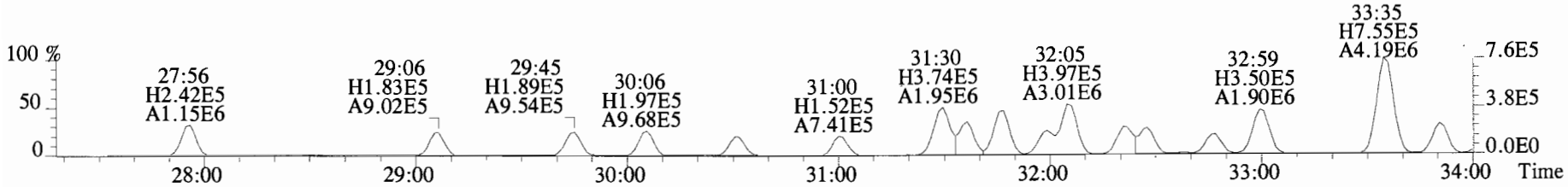

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22372.0,0.00%,F,F)



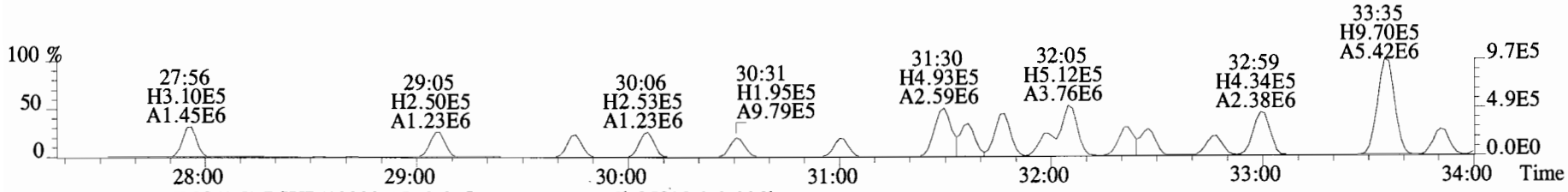

330.9792 S:2 F:3



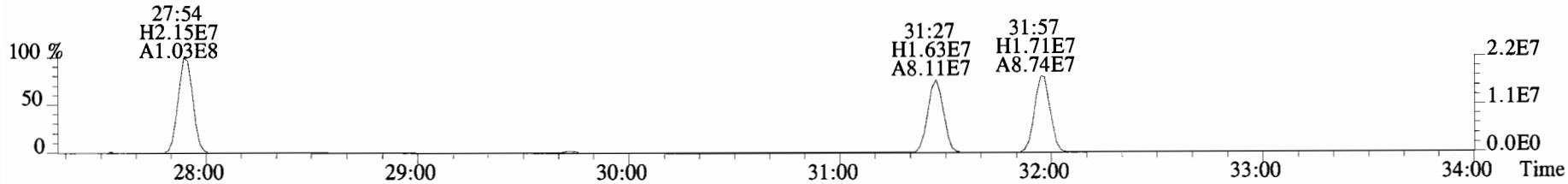
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3900.0,0.00%,F,F)



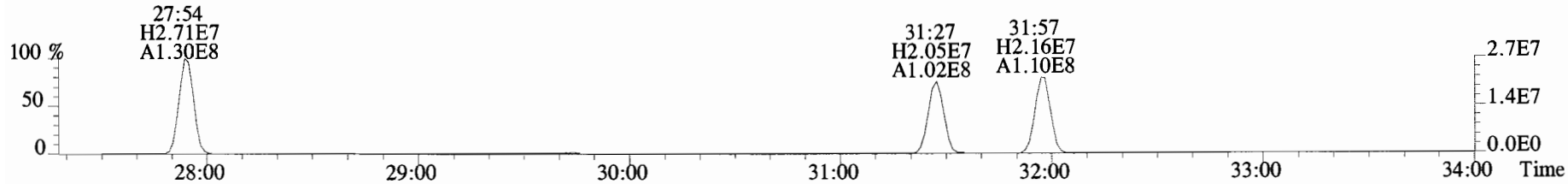

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4012.0,0.00%,F,F)



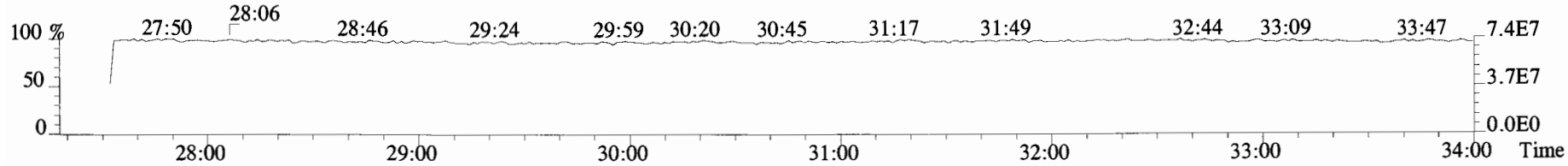

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35928.0,0.00%,F,F)



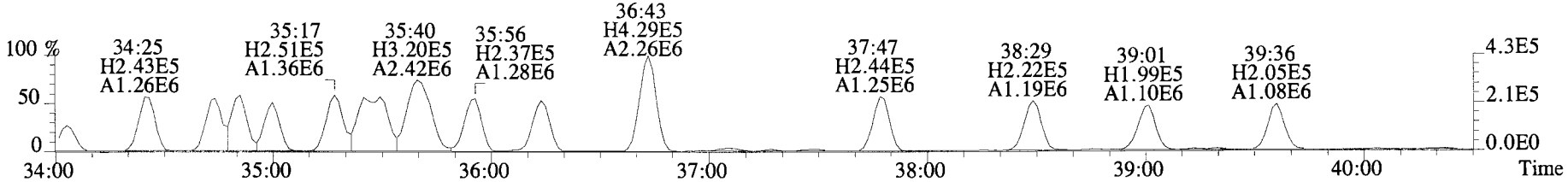

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22372.0,0.00%,F,F)



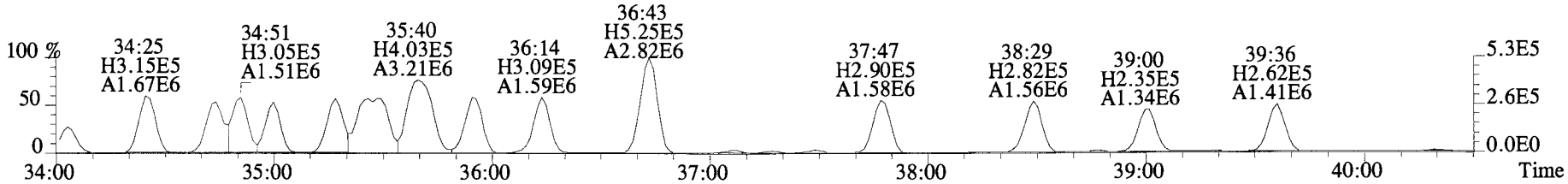

330.9792 S:2 F:3



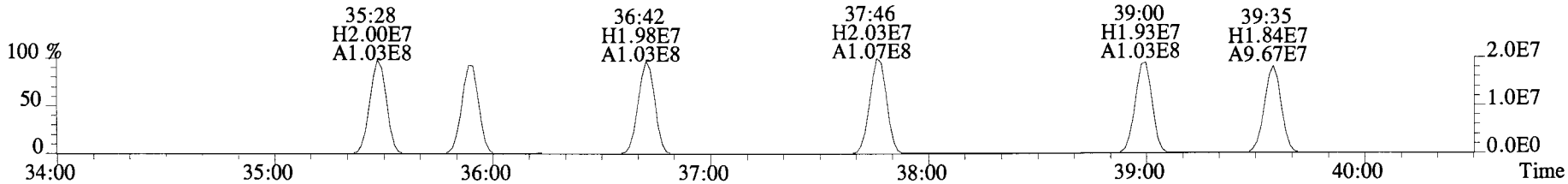
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3900.0,0.00%,F,F)



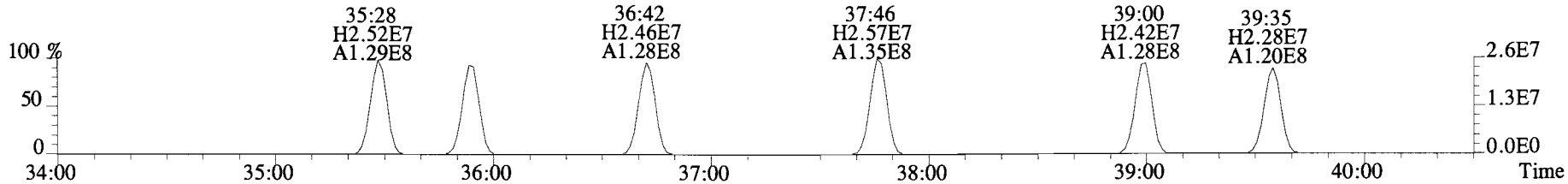

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4012.0,0.00%,F,F)



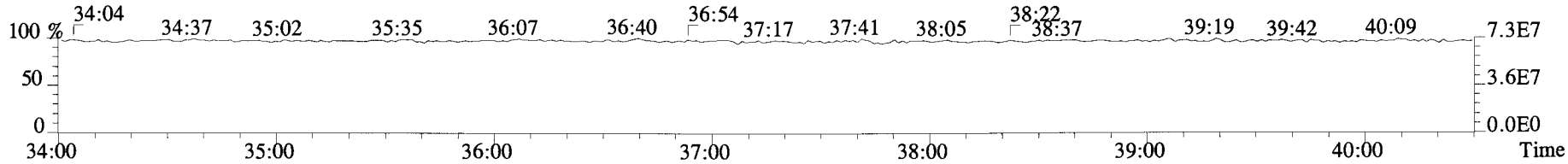

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35928.0,0.00%,F,F)



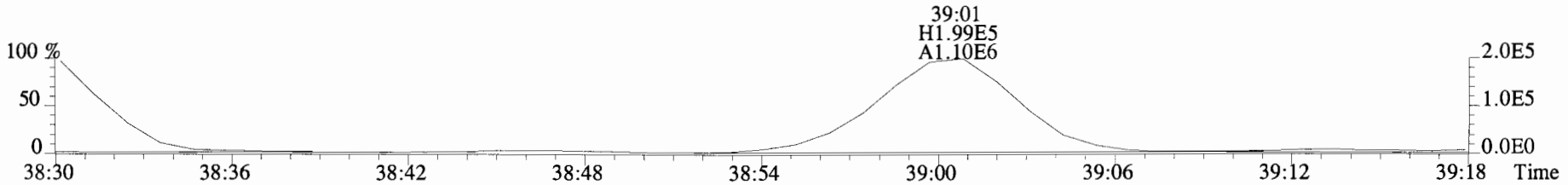

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22372.0,0.00%,F,F)



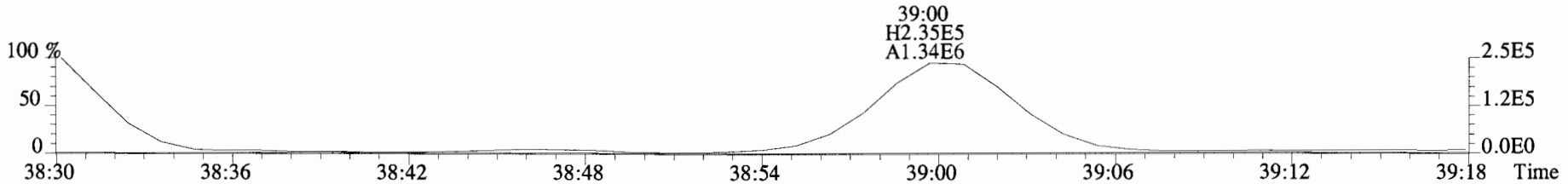

330.9792 S:2 F:3



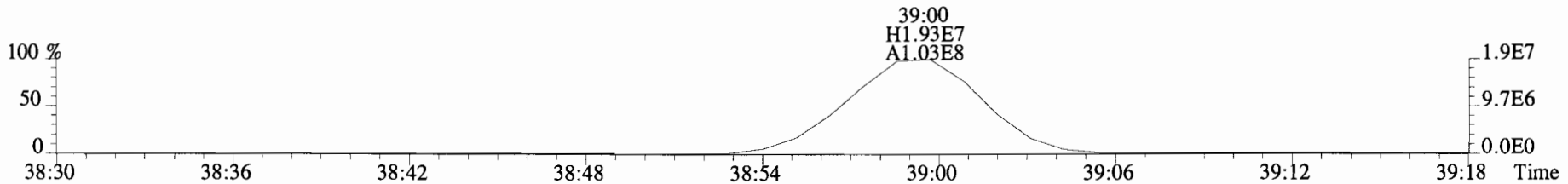
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3900.0,0.00%,F,F)



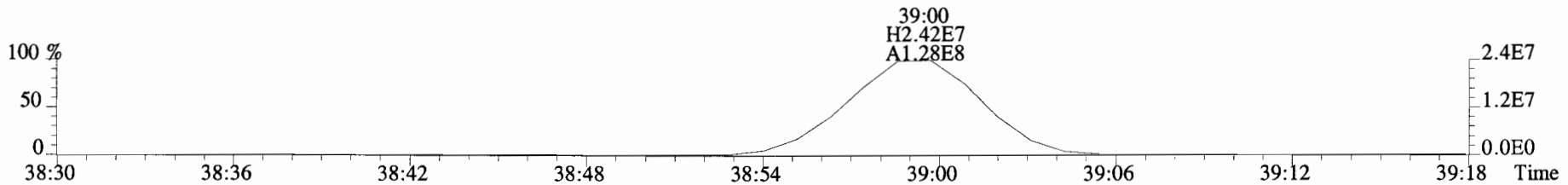

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4012.0,0.00%,F,F)



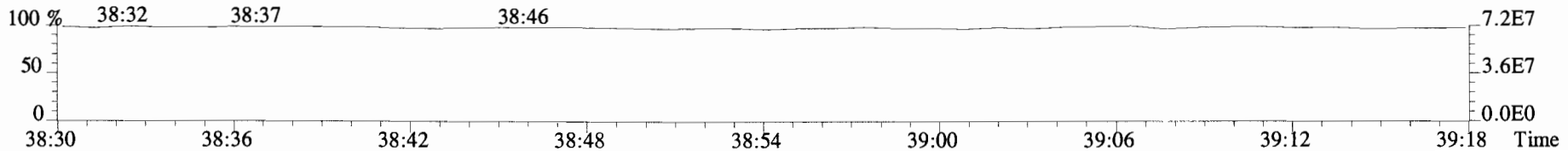

301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35928.0,0.00%,F,F)



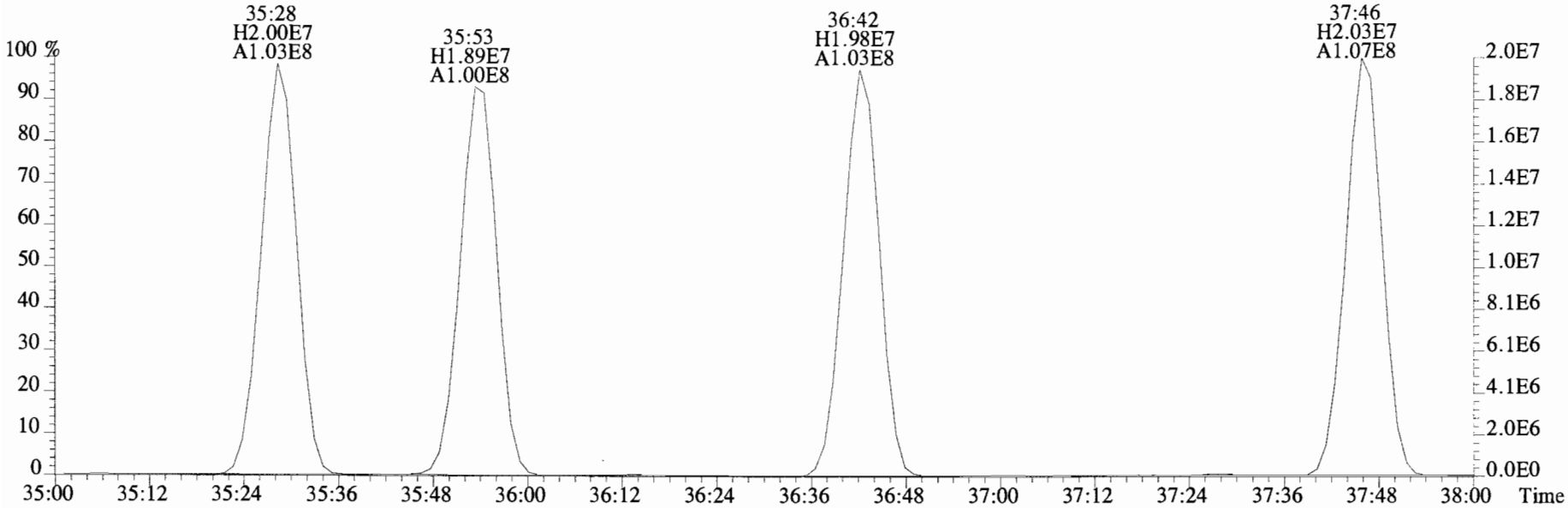

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22372.0,0.00%,F,F)



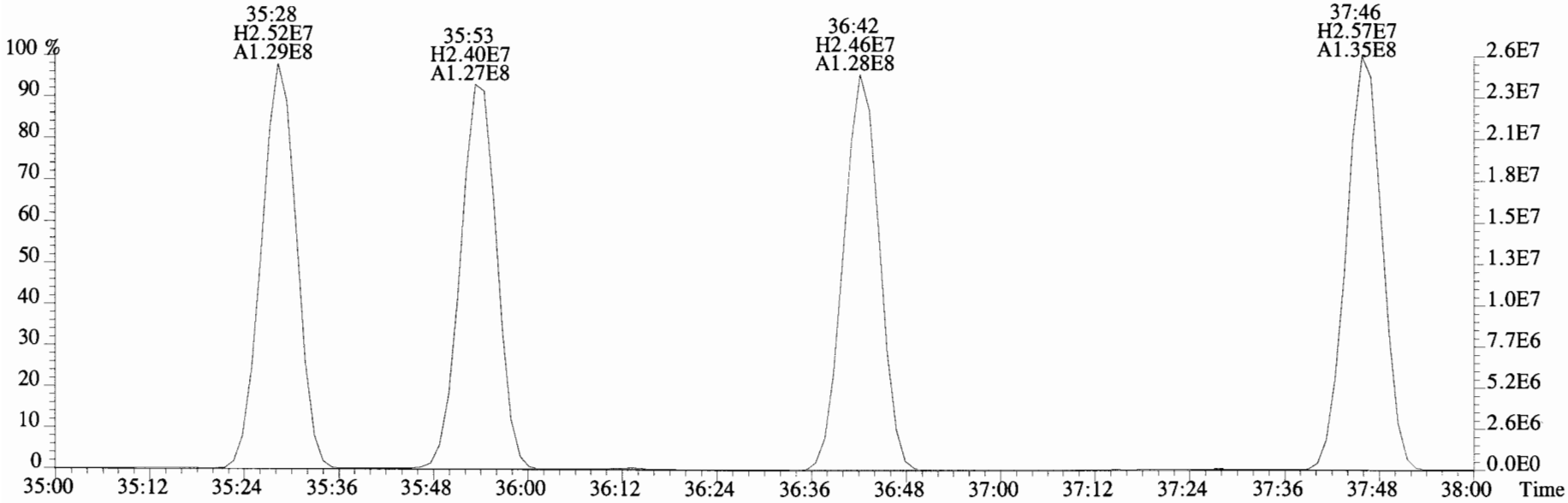

330.9792 S:2 F:3



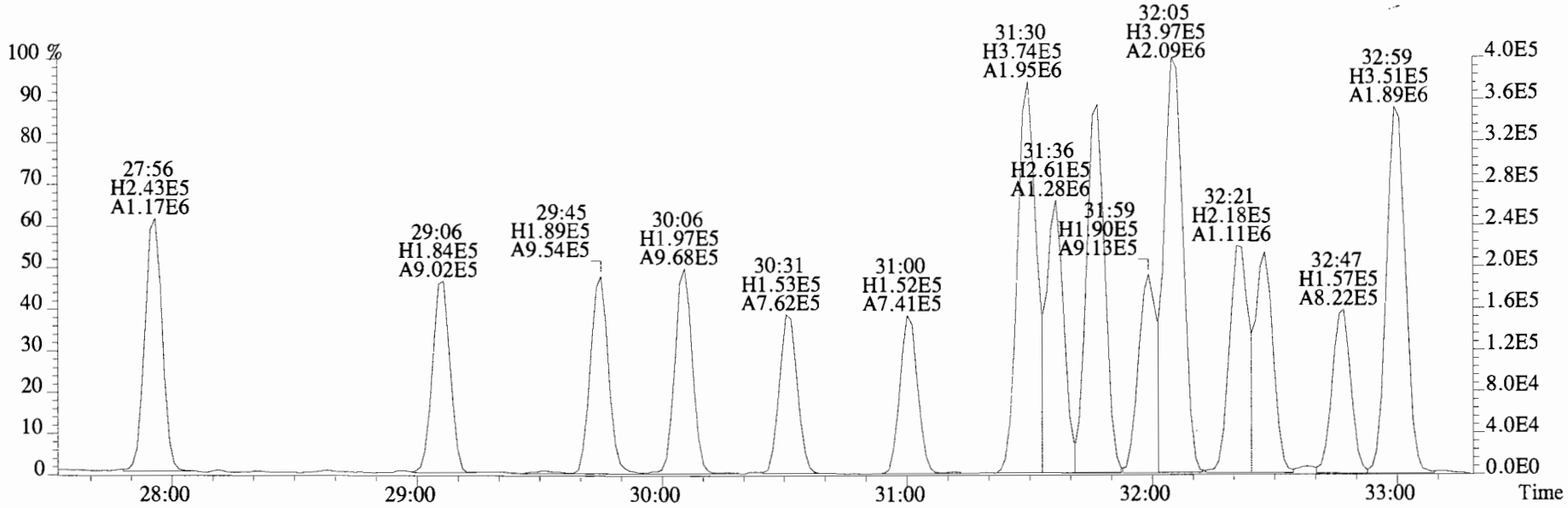
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
301.9626 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35928.0,0.00%,F,F)



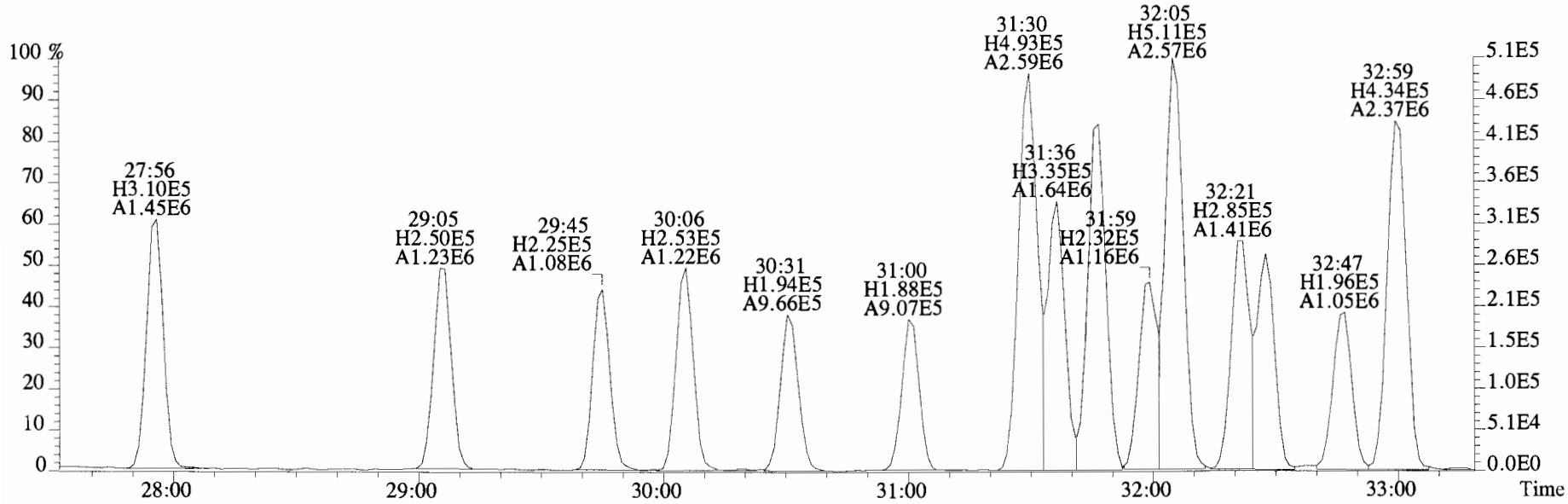

303.9597 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22372.0,0.00%,F,F)



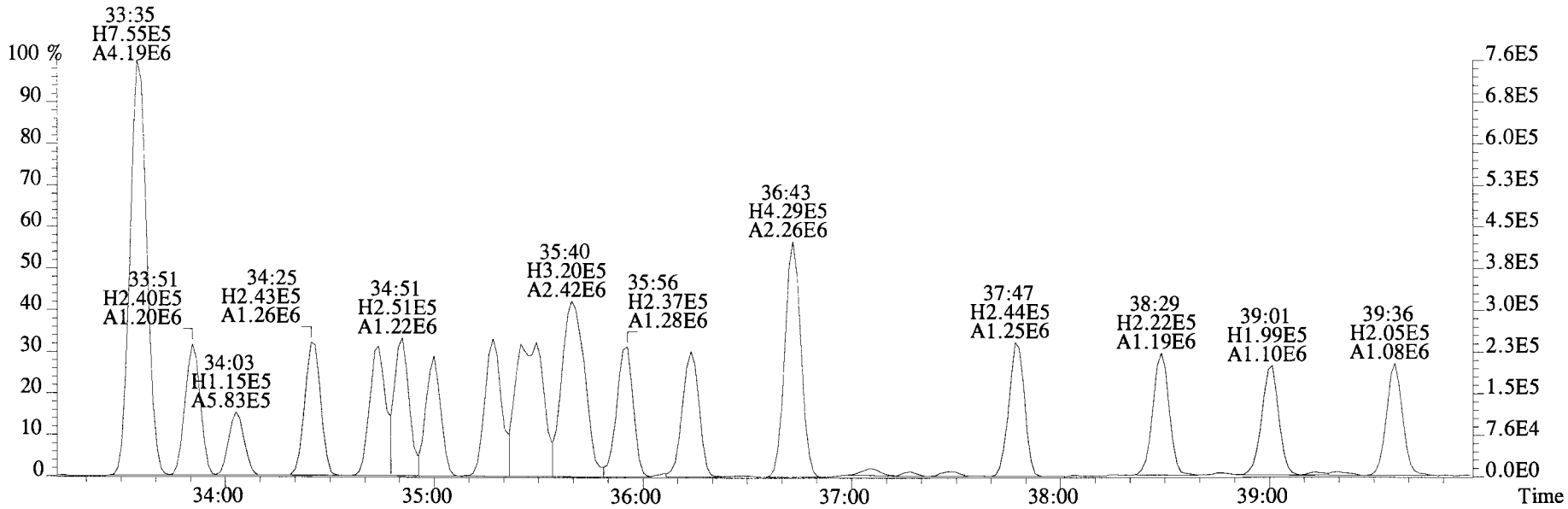
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3900.0,0.00%,F,F)



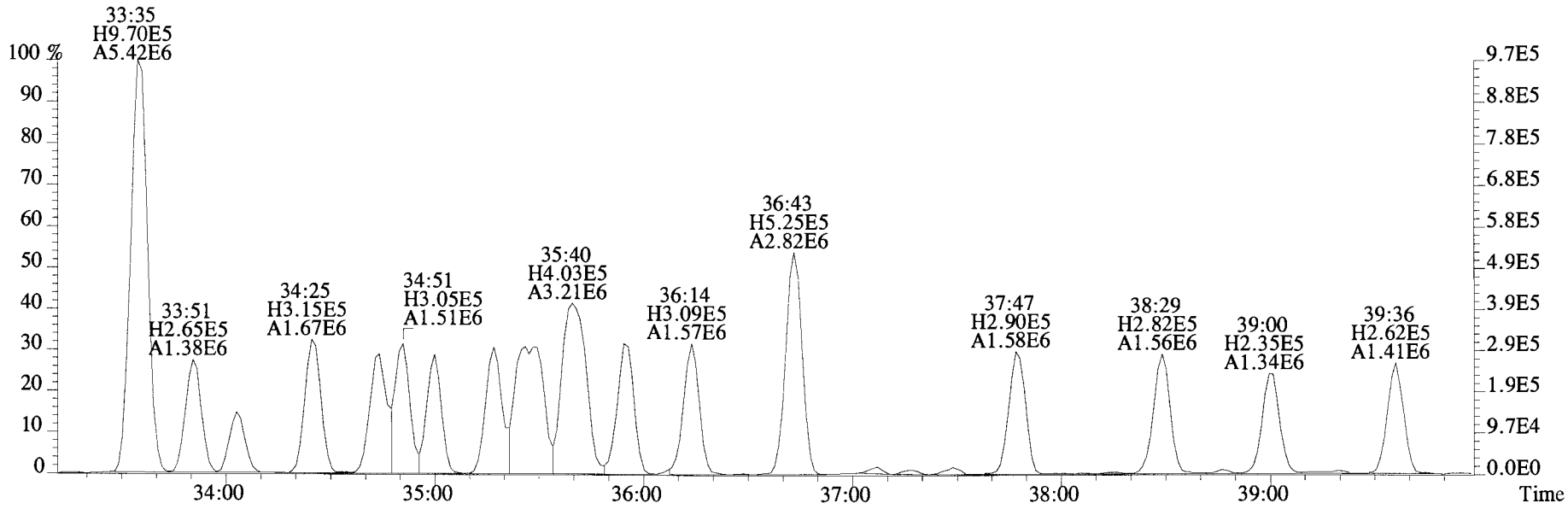

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4012.0,0.00%,F,F)



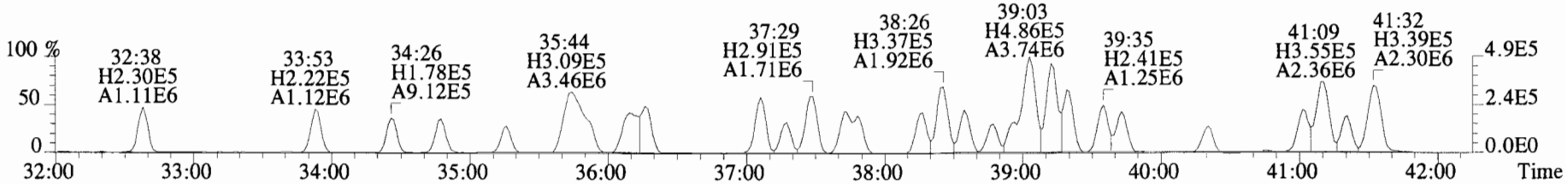
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
289.9224 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3900.0,0.00%,F,F)



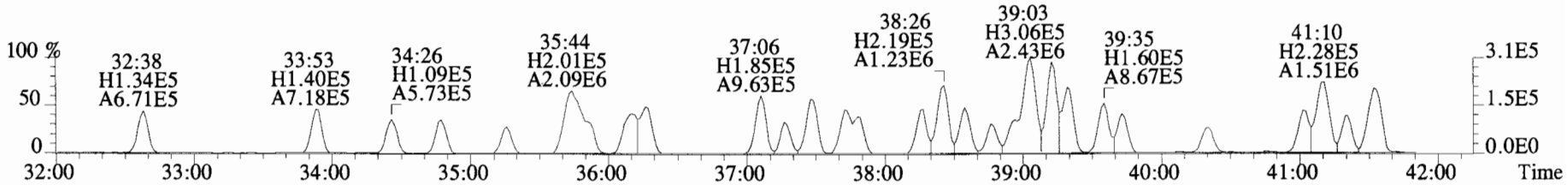

291.9194 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4012.0,0.00%,F,F)



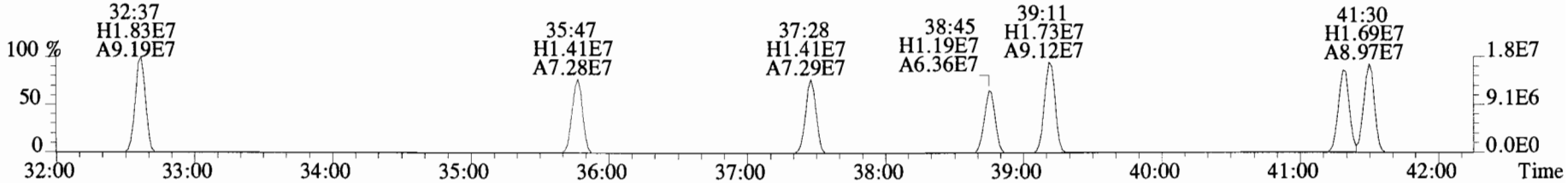
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



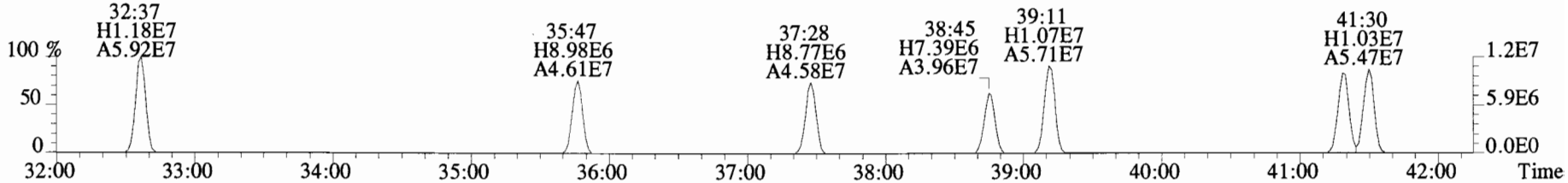

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2448.0,0.00%,F,F)



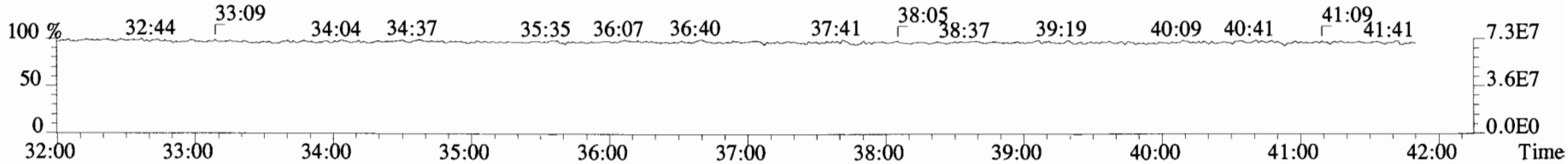

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6756.0,0.00%,F,F)



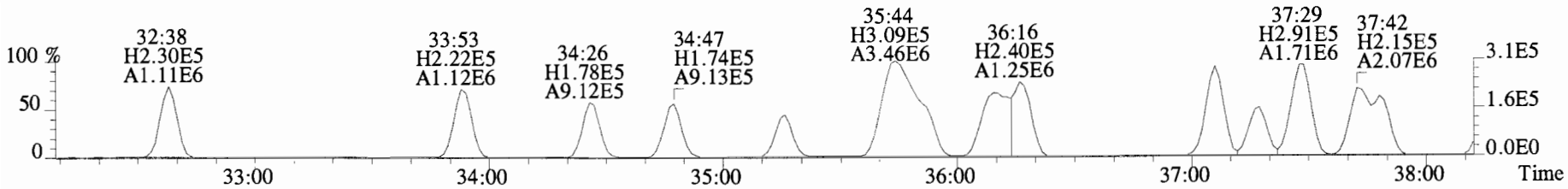

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3672.0,0.00%,F,F)



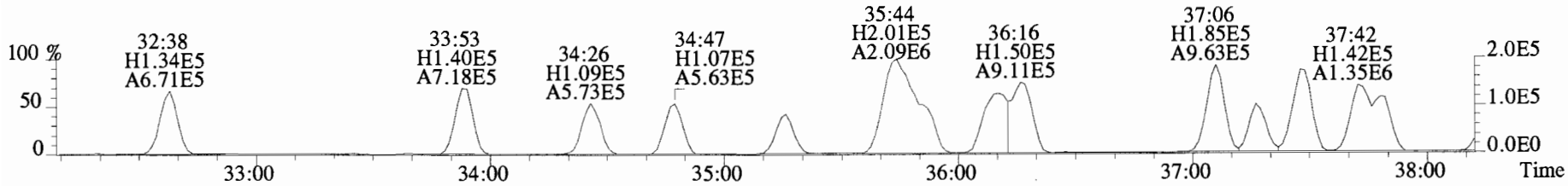

330.9792 S:2 F:3



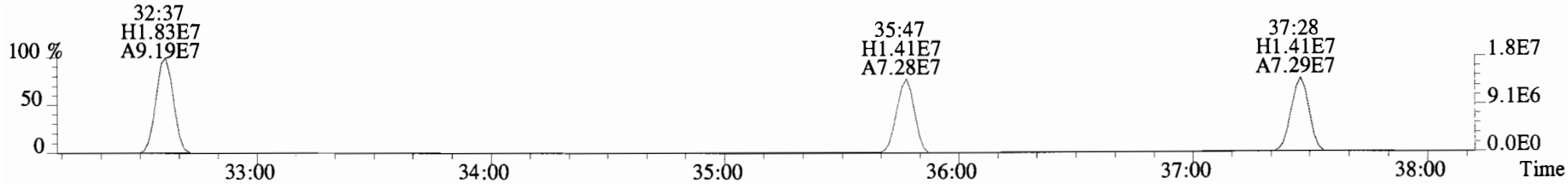
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



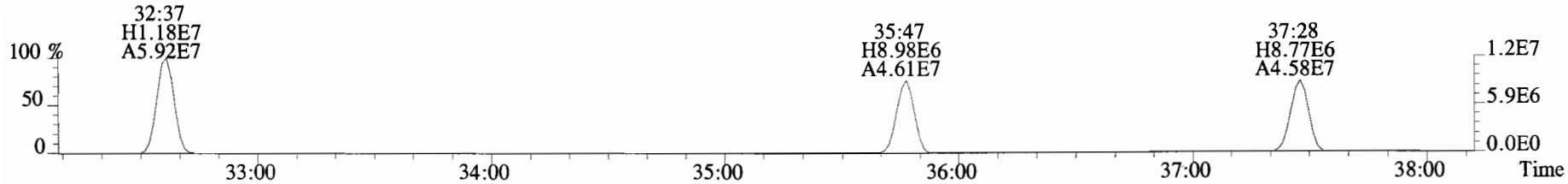

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2448.0,0.00%,F,F)



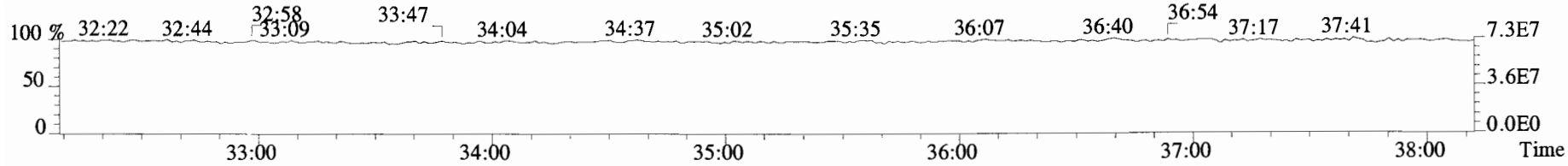

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6756.0,0.00%,F,F)



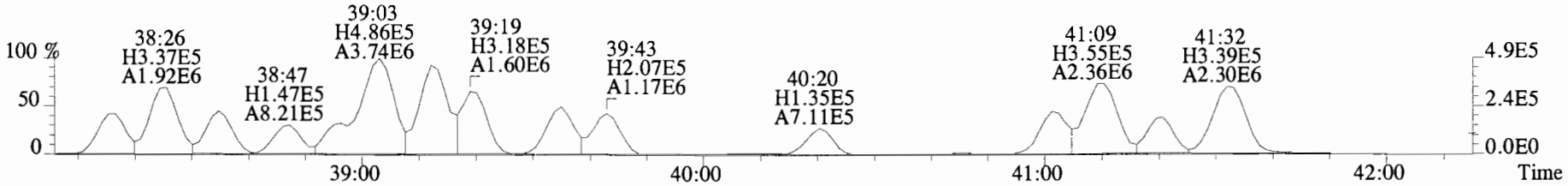

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3672.0,0.00%,F,F)



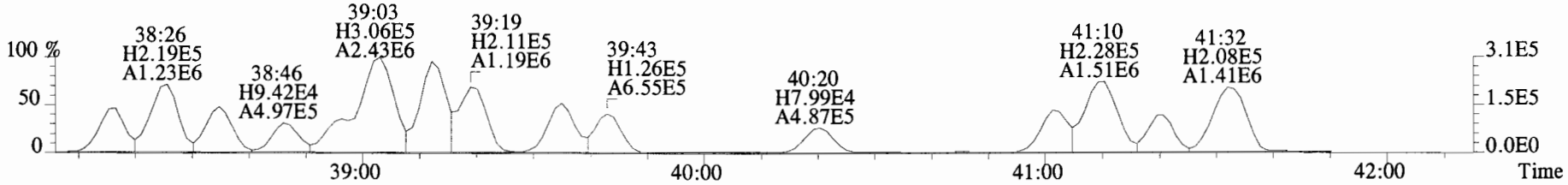

330.9792 S:2 F:3



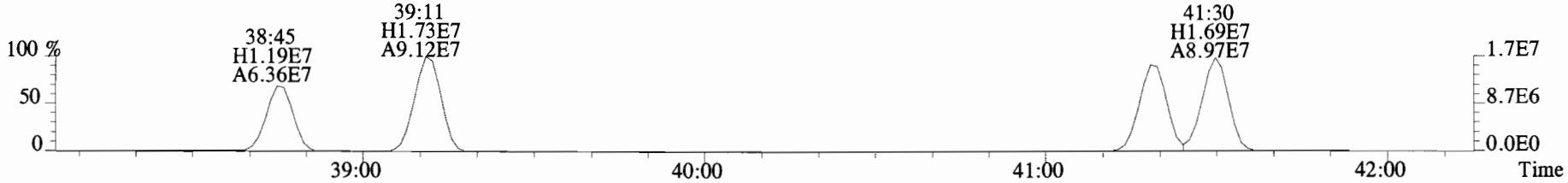
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



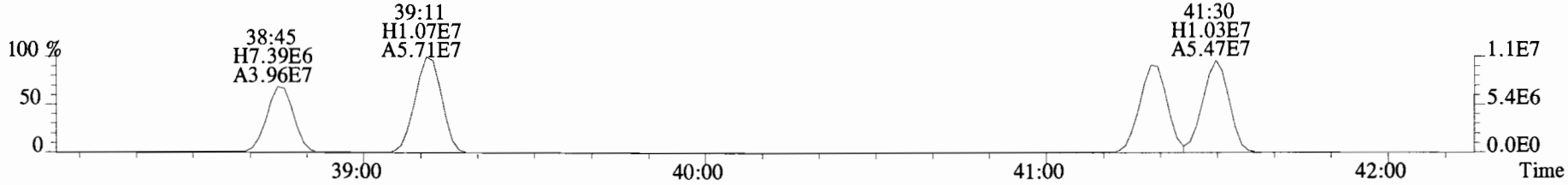

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2448.0,0.00%,F,F)



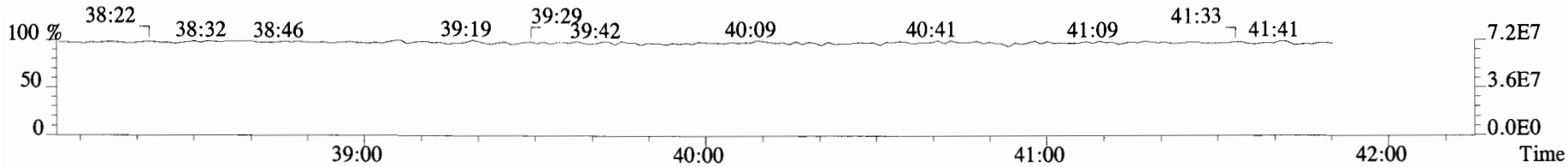

337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6756.0,0.00%,F,F)



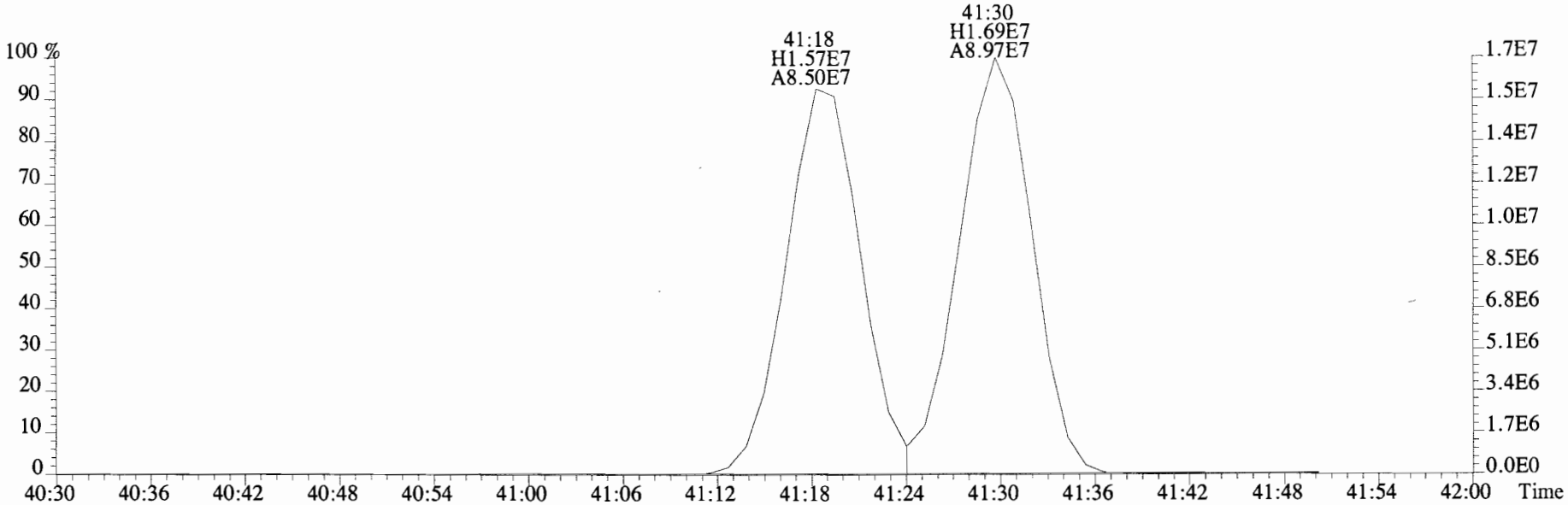

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3672.0,0.00%,F,F)



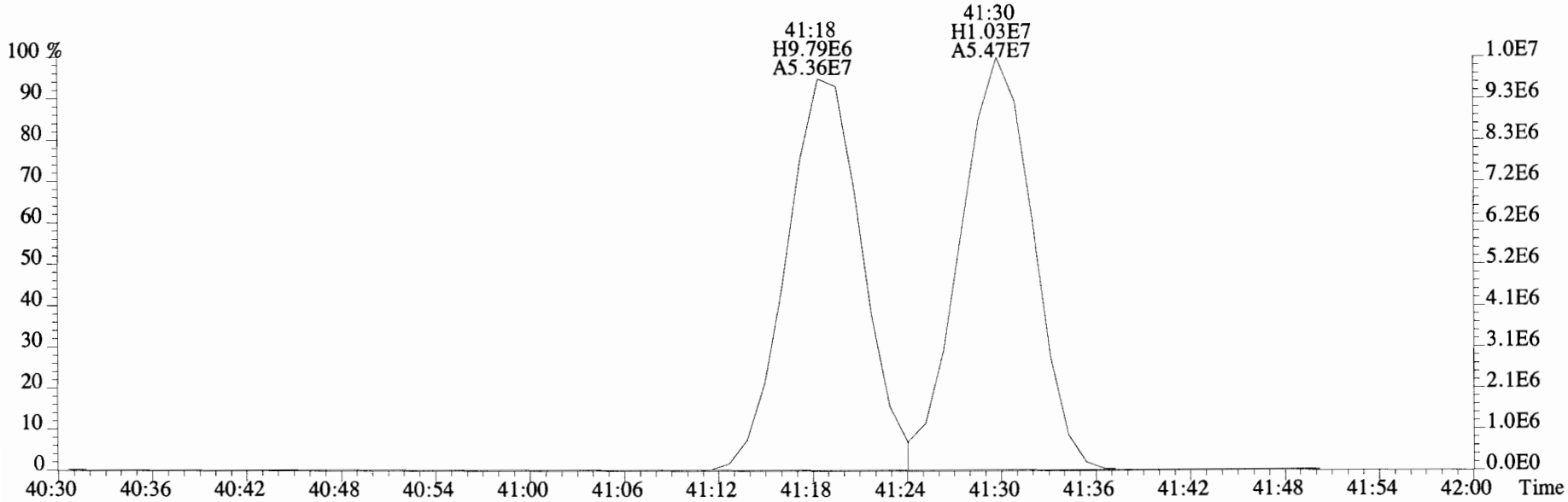

330.9792 S:2 F:3



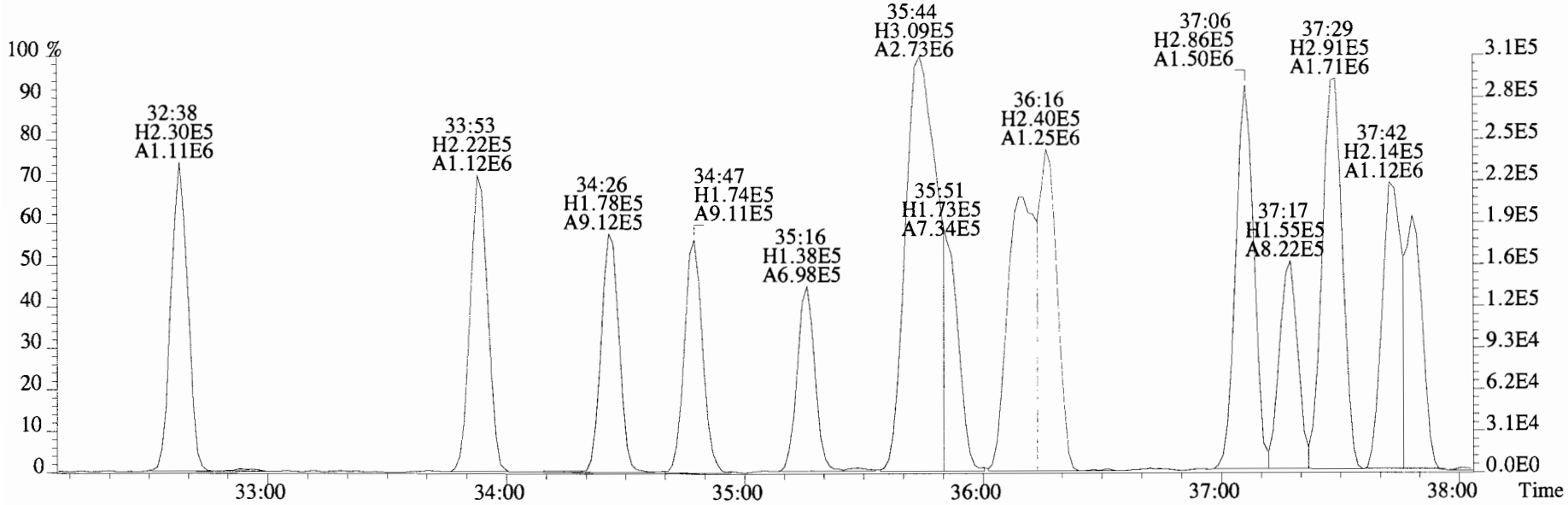
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
337.9207 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6756.0,0.00%,F,F)



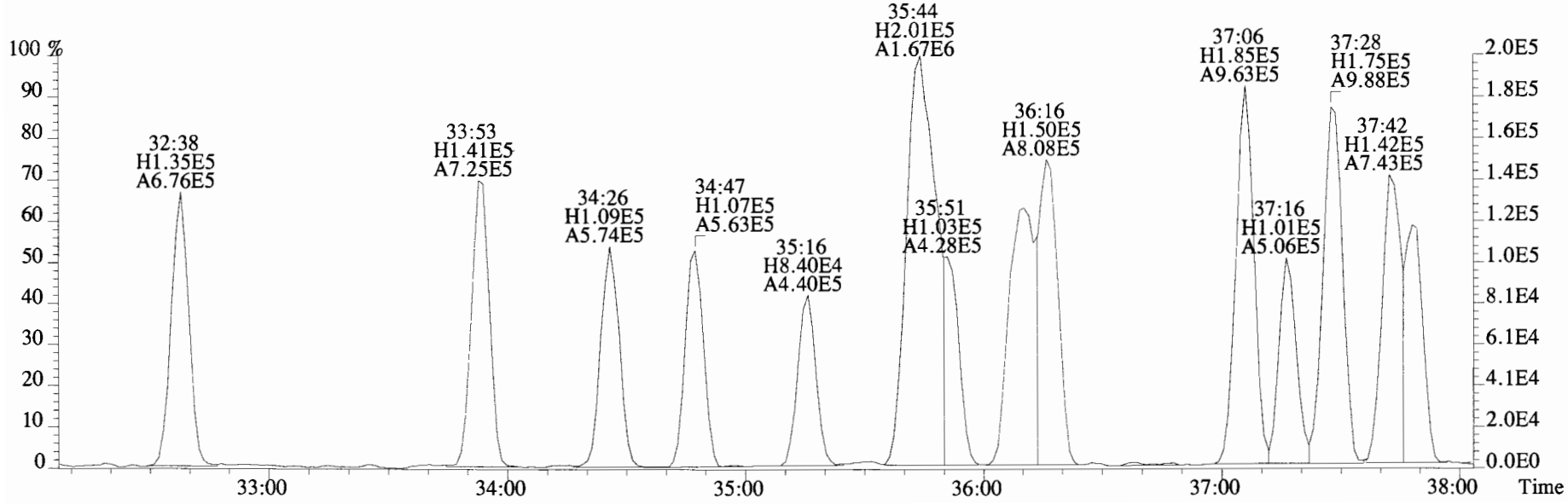

339.9177 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3672.0,0.00%,F,F)



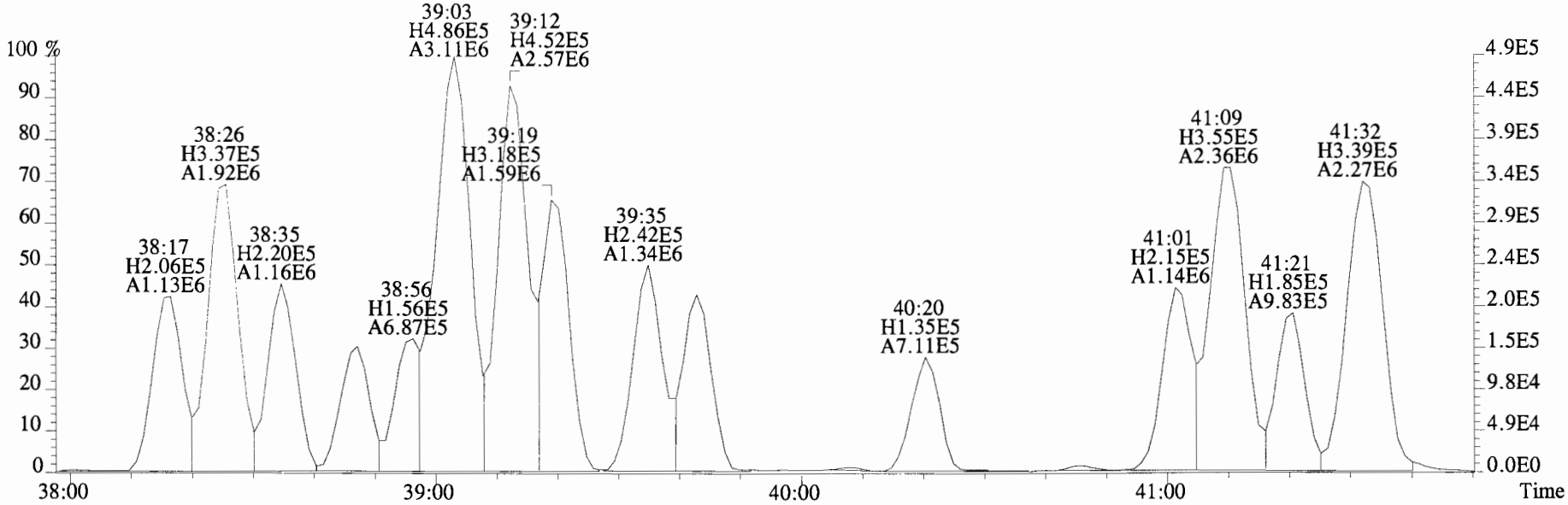
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)



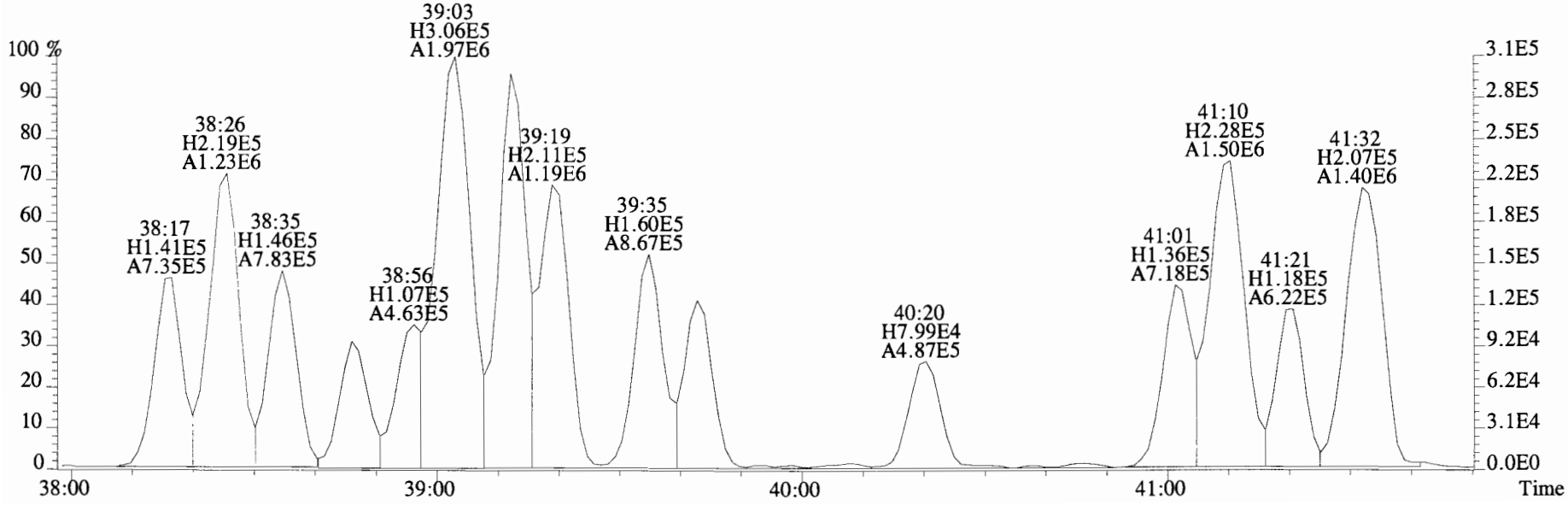

327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2448.0,0.00%,F,F)



File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
325.8804 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2872.0,0.00%,F,F)

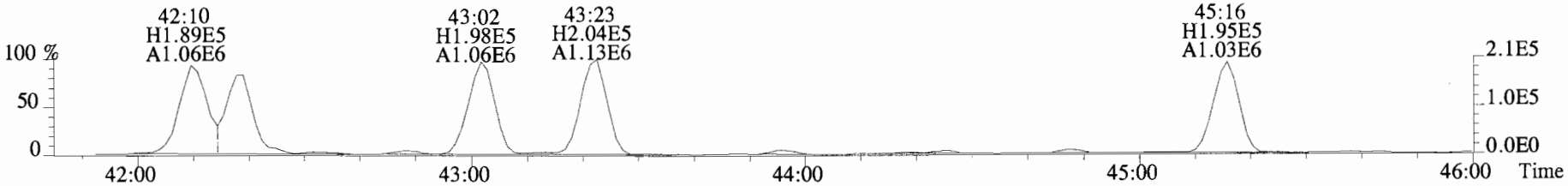



327.8775 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2448.0,0.00%,F,F)

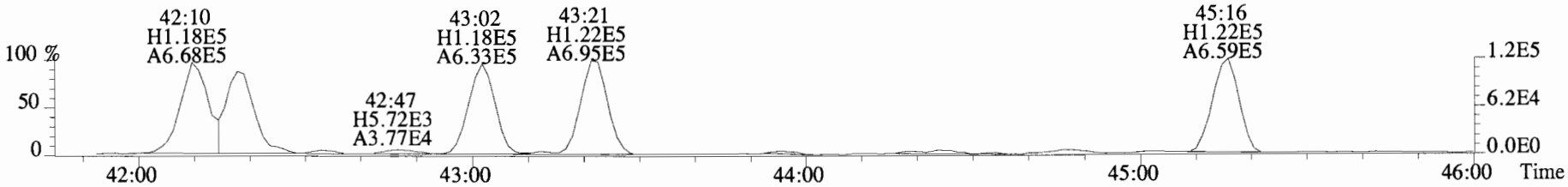


File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1

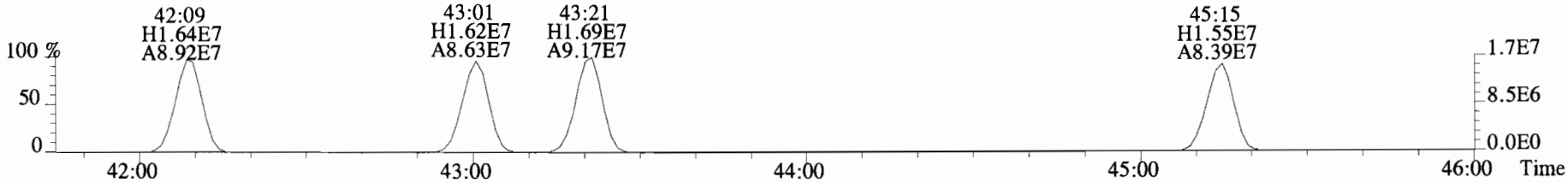
325.8804 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2660.0,0.00%,F,F)



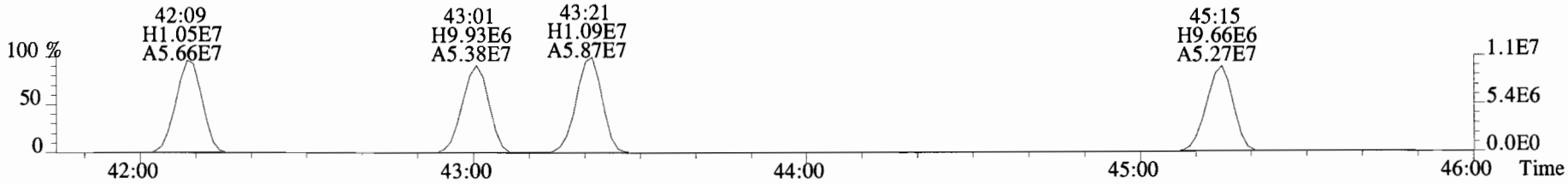

327.8775 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2516.0,0.00%,F,F)



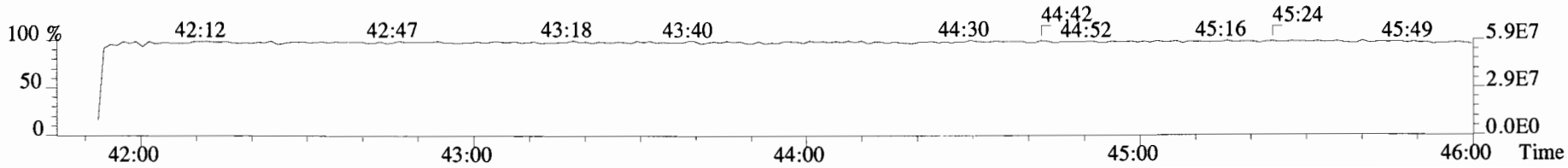

337.9207 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7880.0,0.00%,F,F)



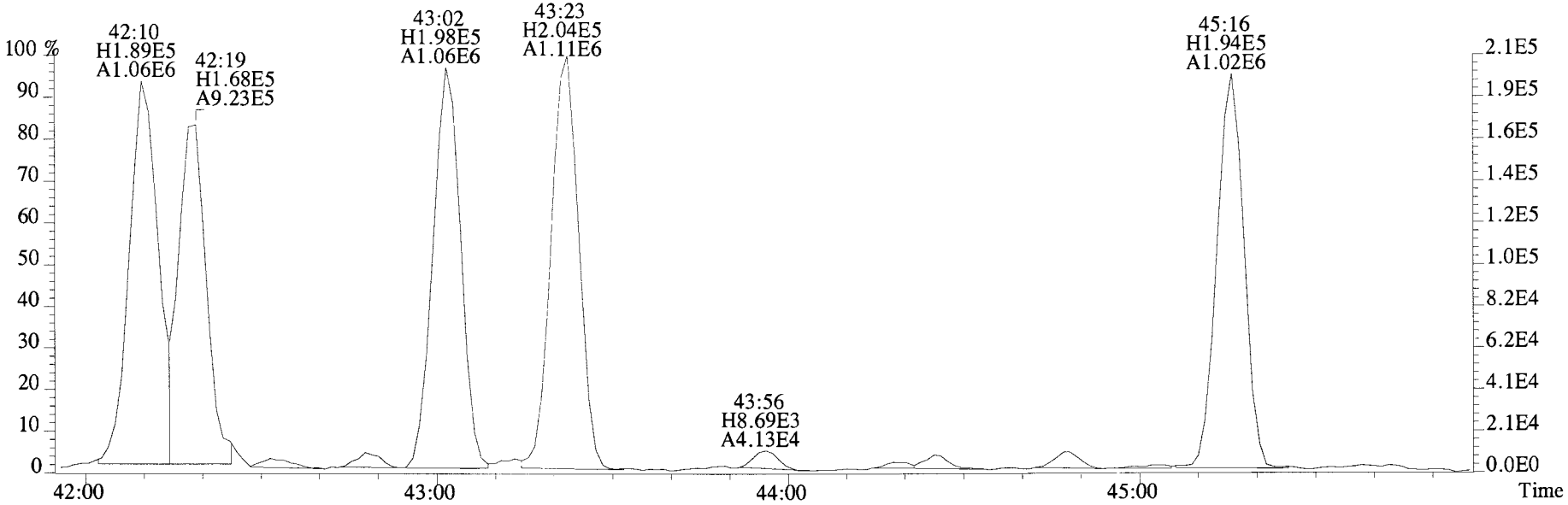

339.9177 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7156.0,0.00%,F,F)



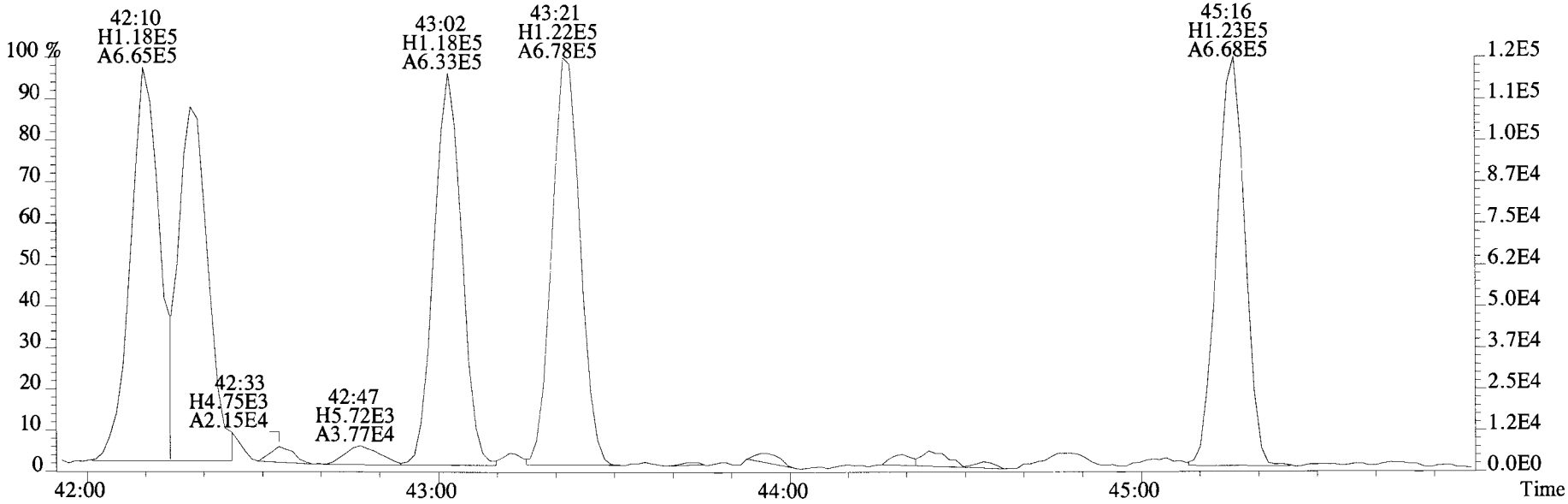

380.9760 S:2 F:4



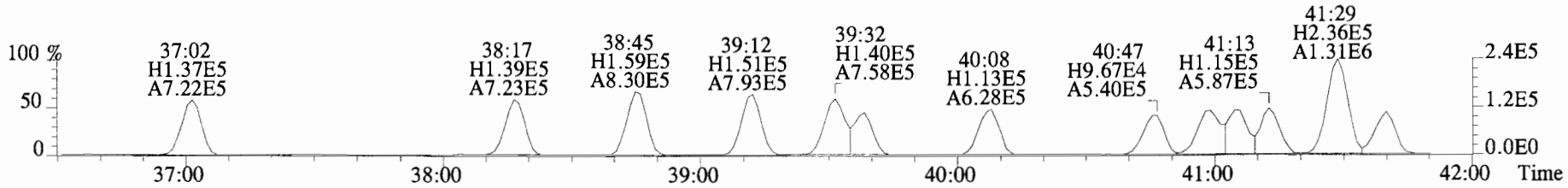
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
325.8804 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2660.0,0.00%,F,F)



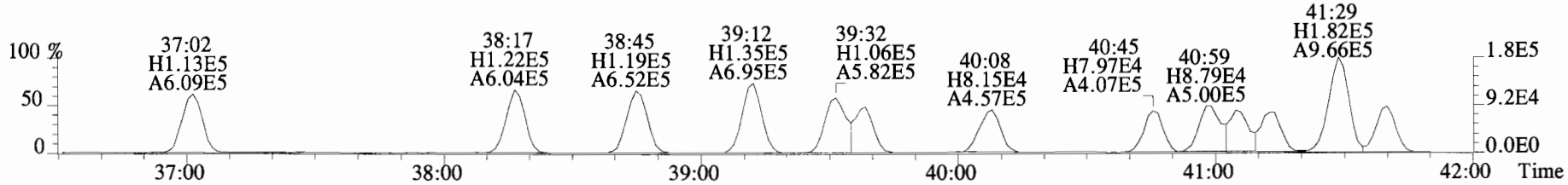

327.8775 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2516.0,0.00%,F,F)



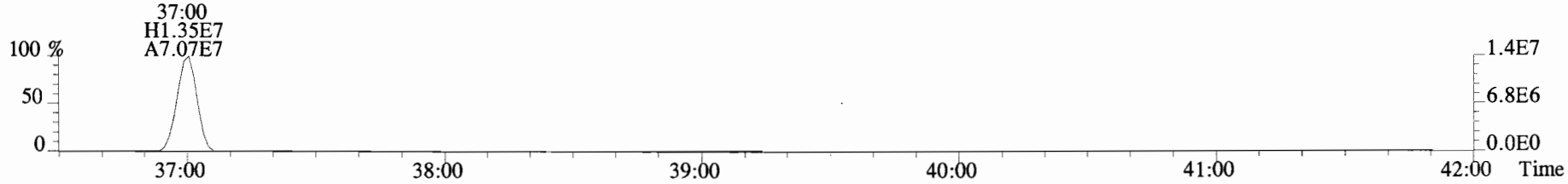
File:180208E1 #1-756 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UitimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
359.8415 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2340.0,0.00%,F,F)



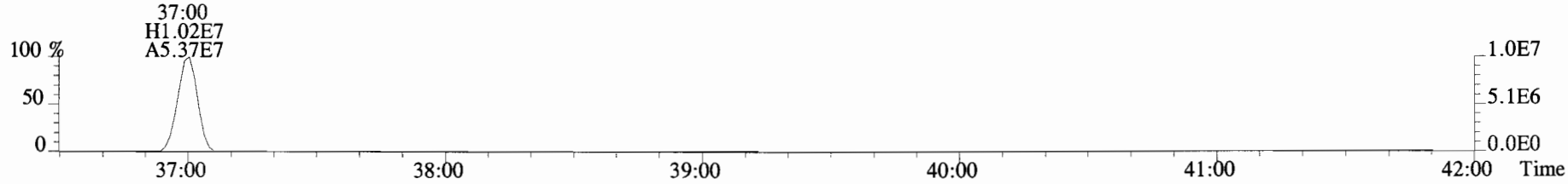

361.8385 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2648.0,0.00%,F,F)



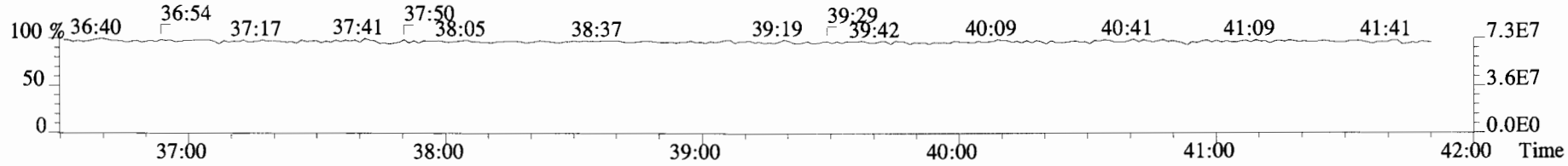

371.8817 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3308.0,0.00%,F,F)



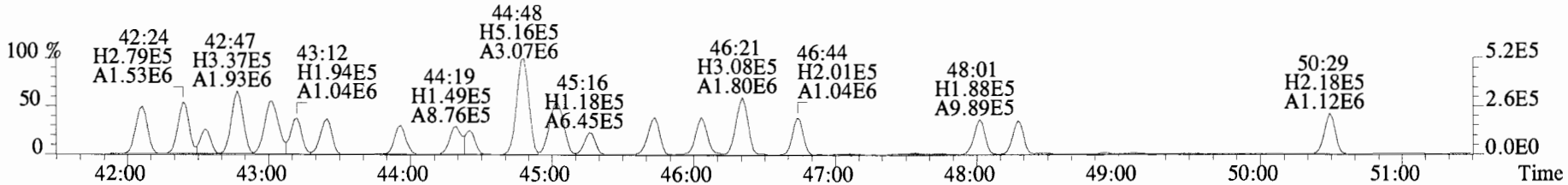

373.8788 S:2 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2588.0,0.00%,F,F)



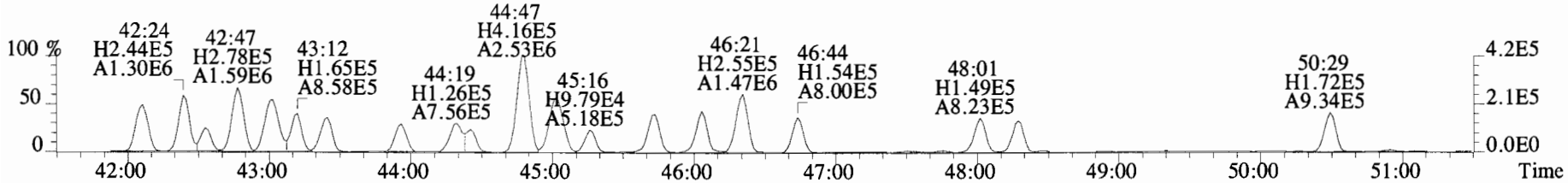

330.9792 S:2 F:3



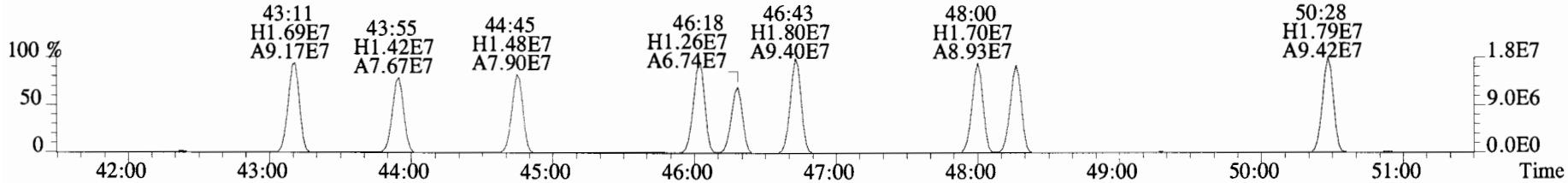
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
359.8415 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2556.0,0.00%,F,F)



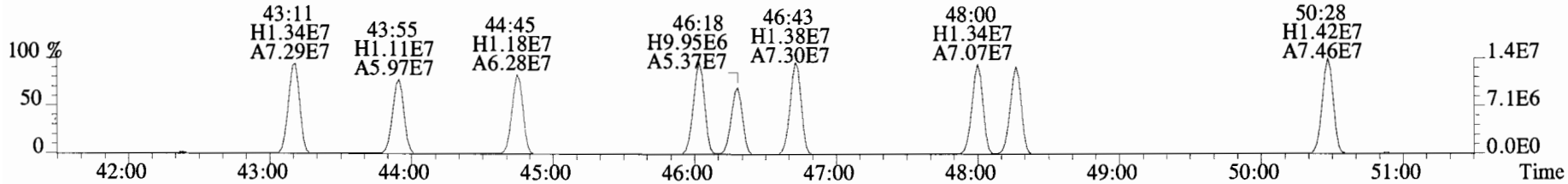

361.8385 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2476.0,0.00%,F,F)



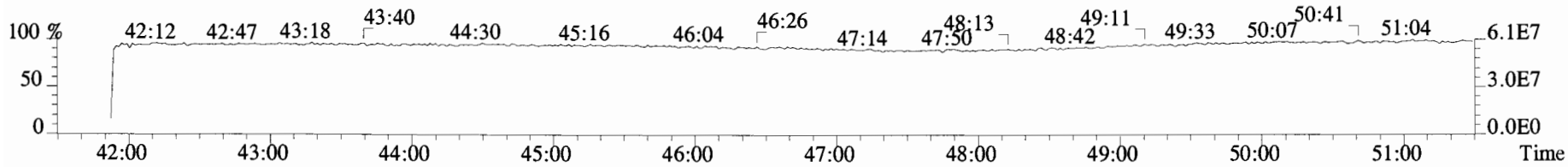

371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19196.0,0.00%,F,F)



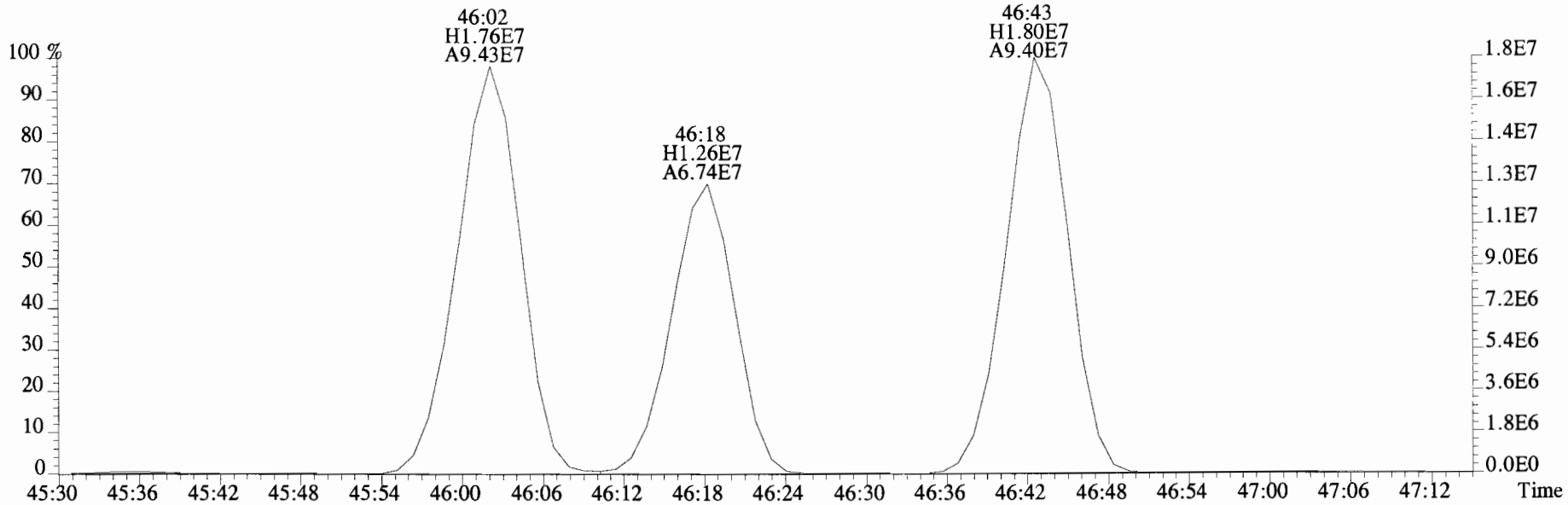

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14324.0,0.00%,F,F)



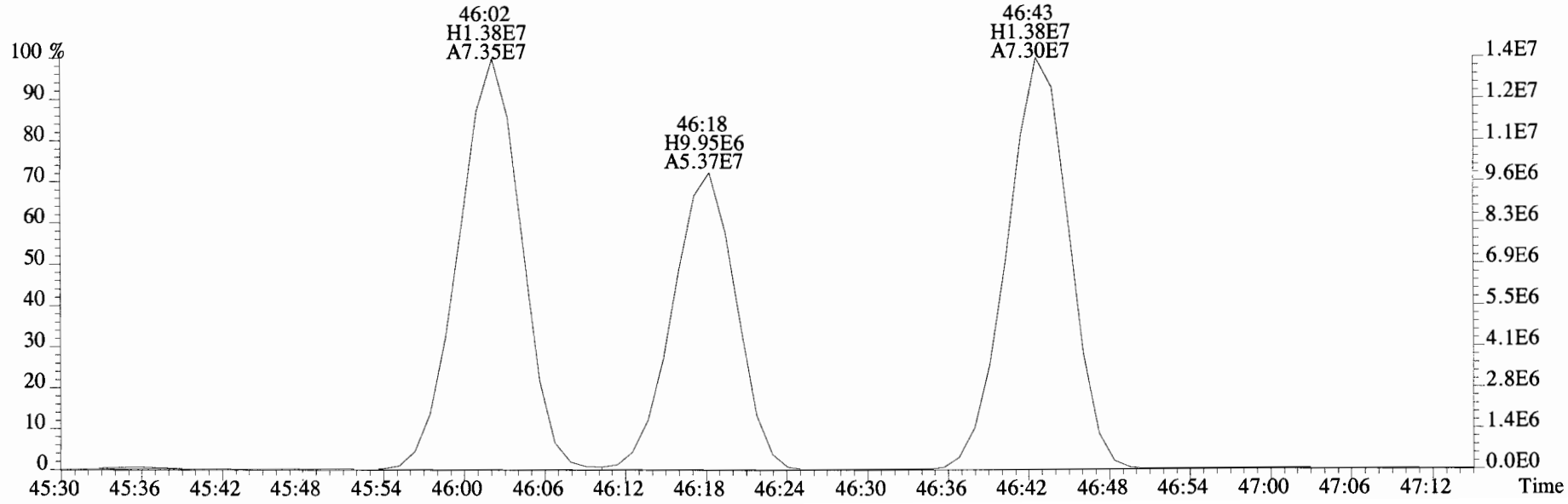

380.9760 S:2 F:4



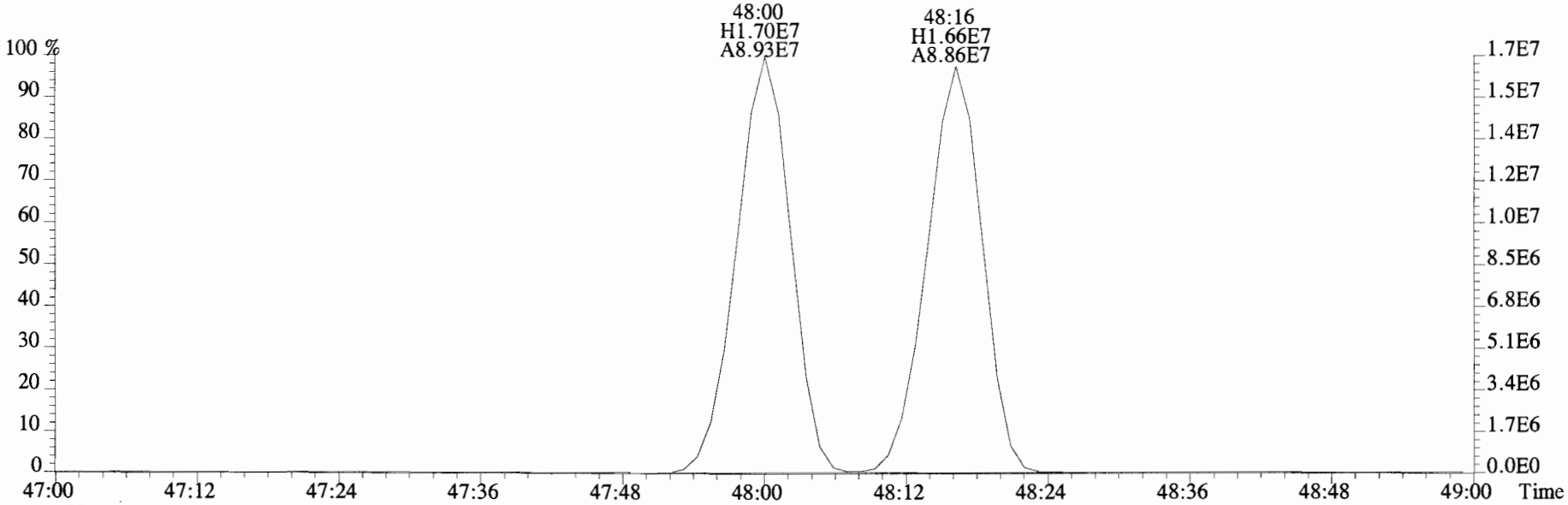
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19196.0,0.00%,F,F)



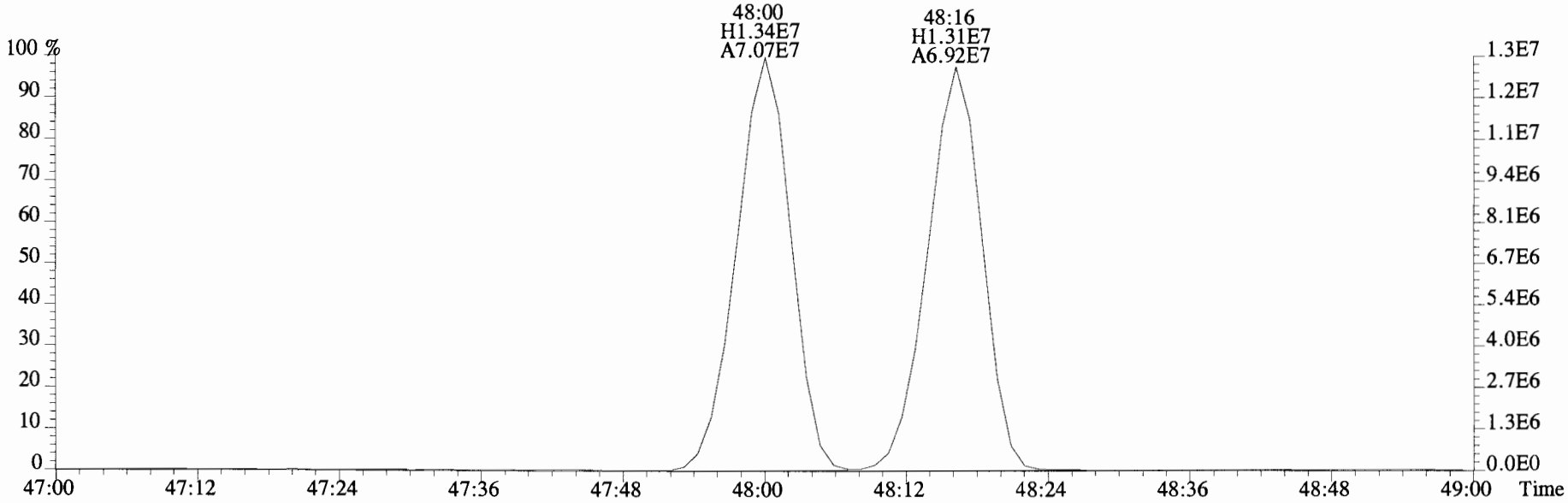

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14324.0,0.00%,F,F)



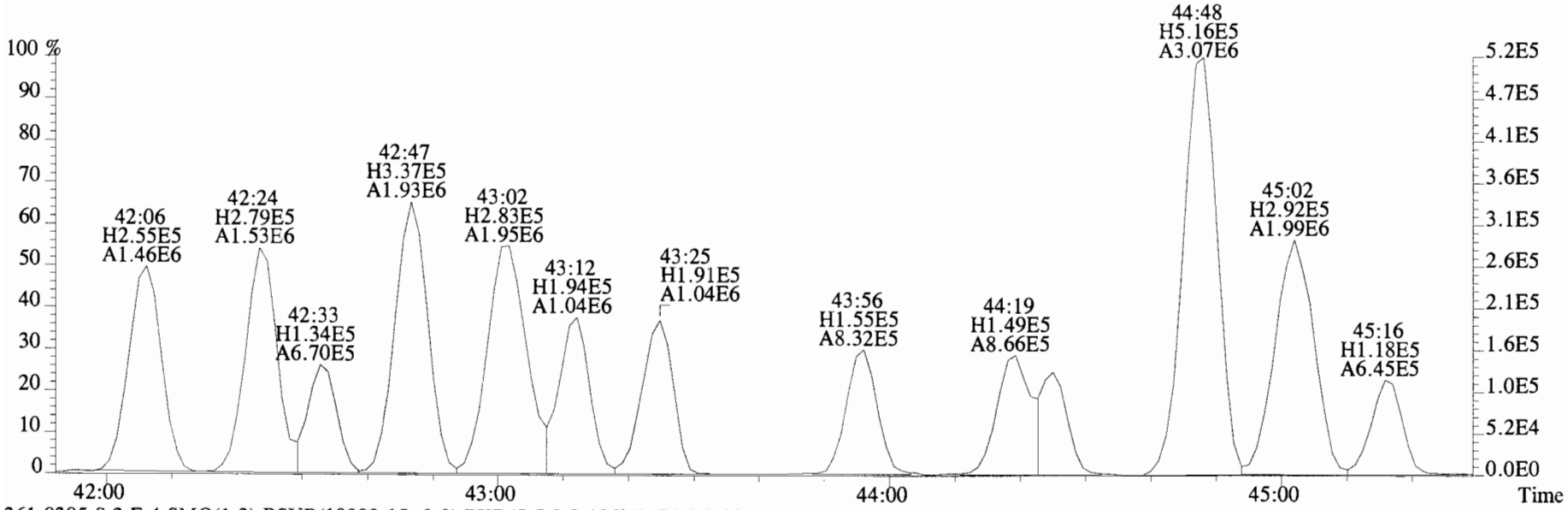
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
371.8817 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19196.0,0.00%,F,F)



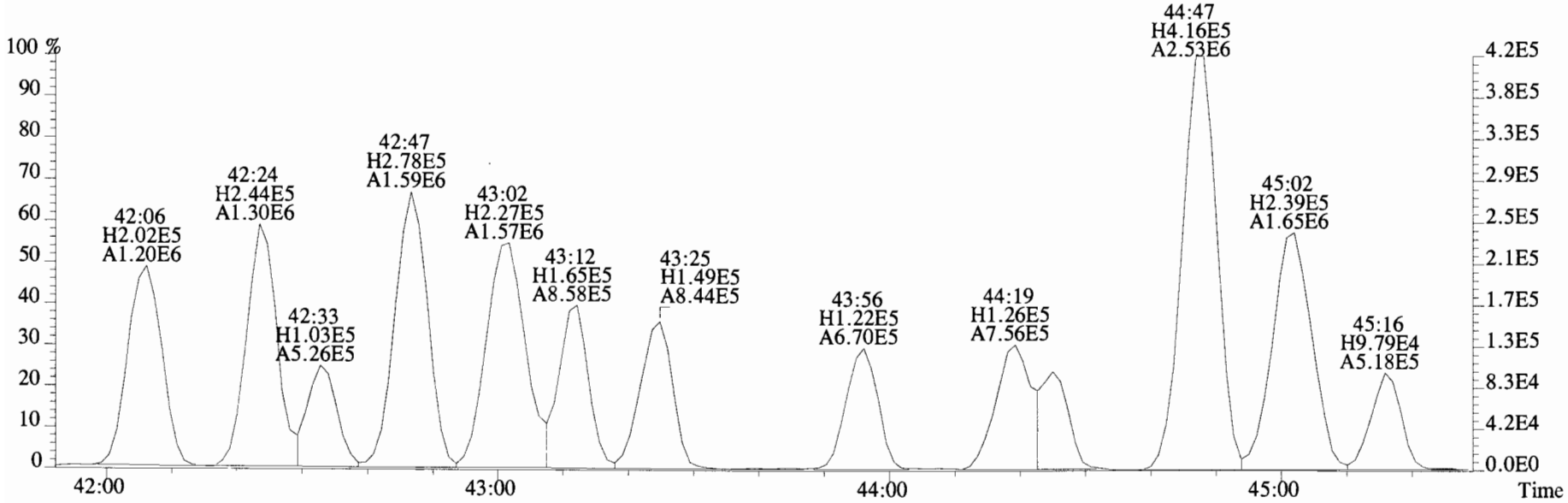

373.8788 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14324.0,0.00%,F,F)



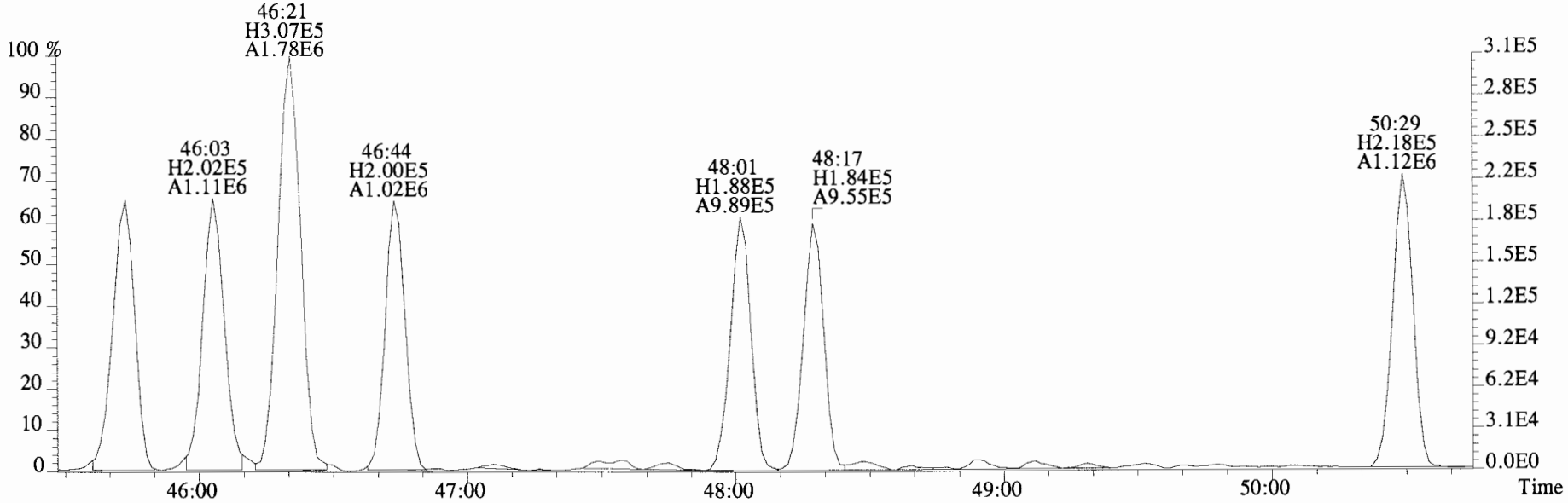
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
359.8415 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2556.0,0.00%,F,F)



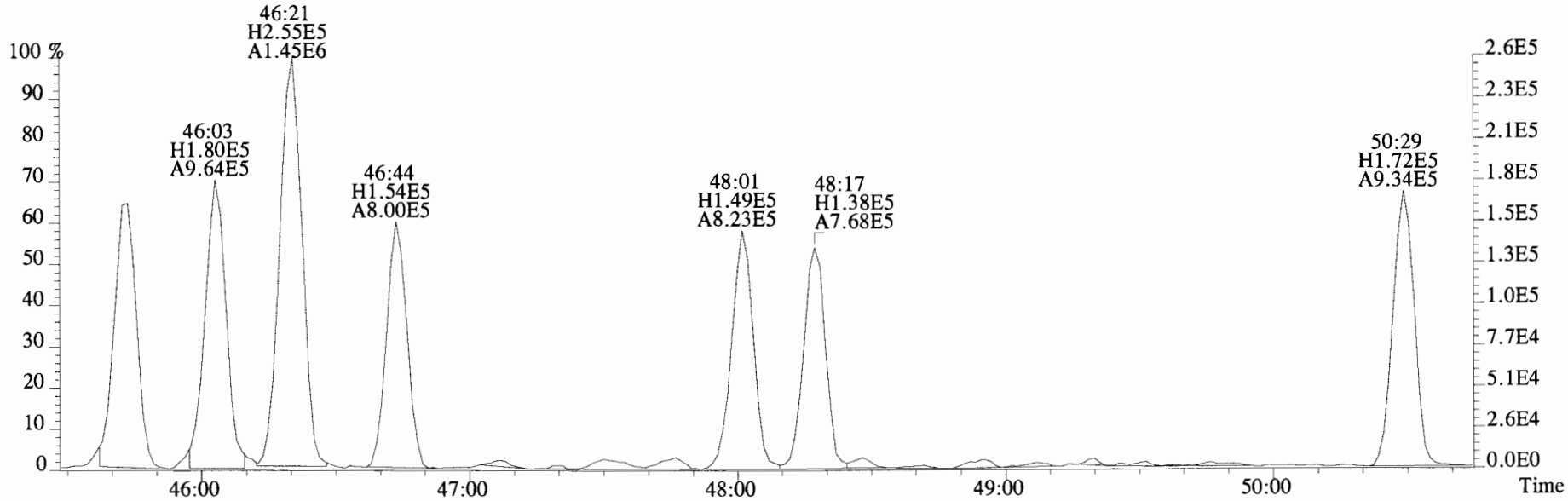

361.8385 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2476.0,0.00%,F,F)



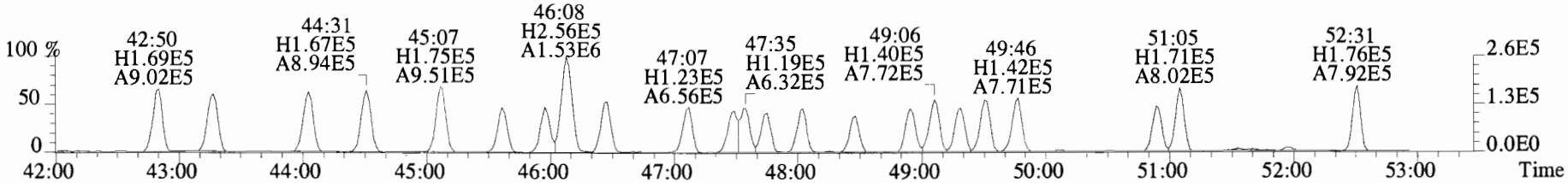
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
359.8415 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2556.0,0.00%,F,F)



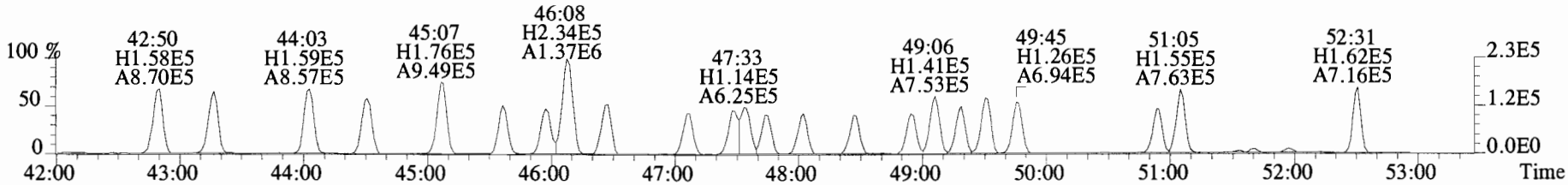

361.8385 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2476.0,0.00%,F,F)



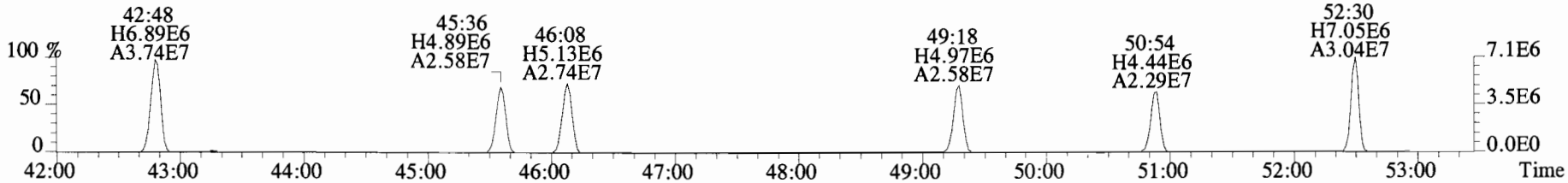
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
393.8025 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2760.0,0.00%,F,F)



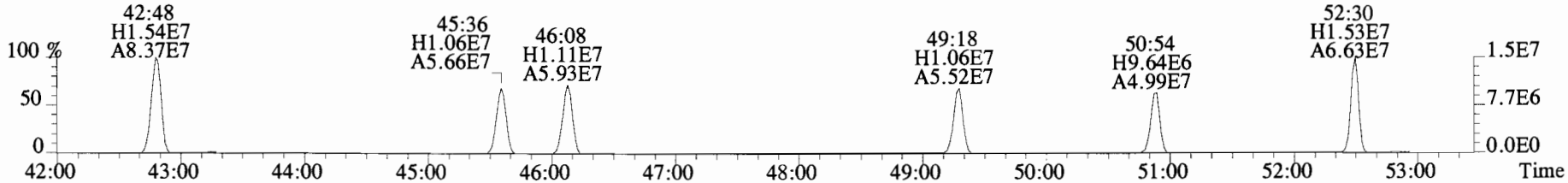

395.7995 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2288.0,0.00%,F,F)



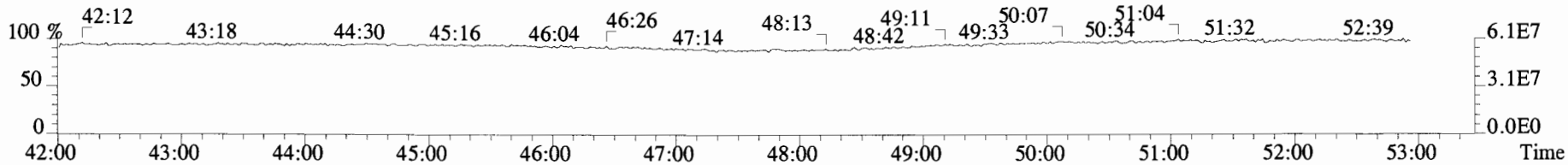

403.8457 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9196.0,0.00%,F,F)



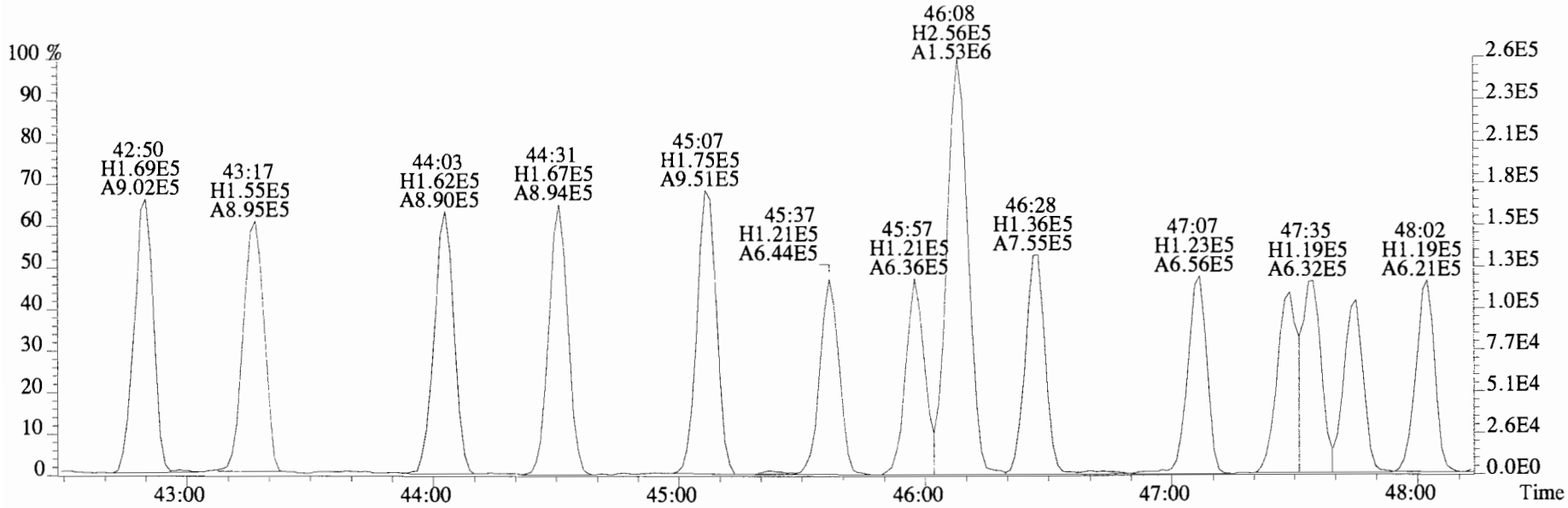

405.8428 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19096.0,0.00%,F,F)



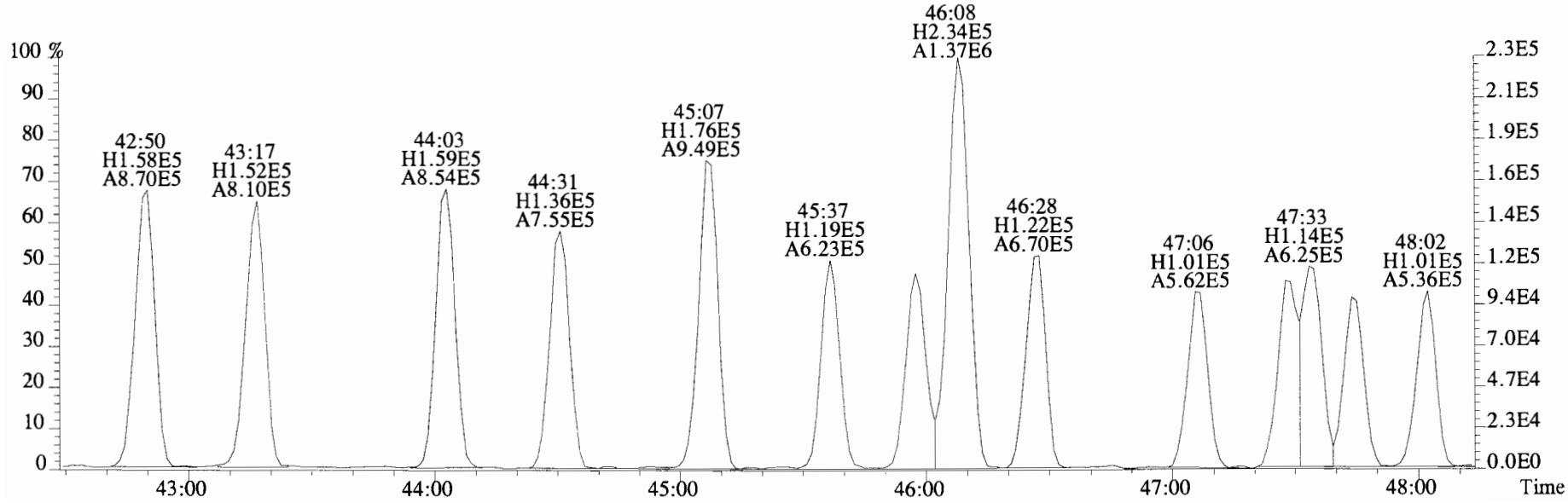

380.9760 S:2 F:4



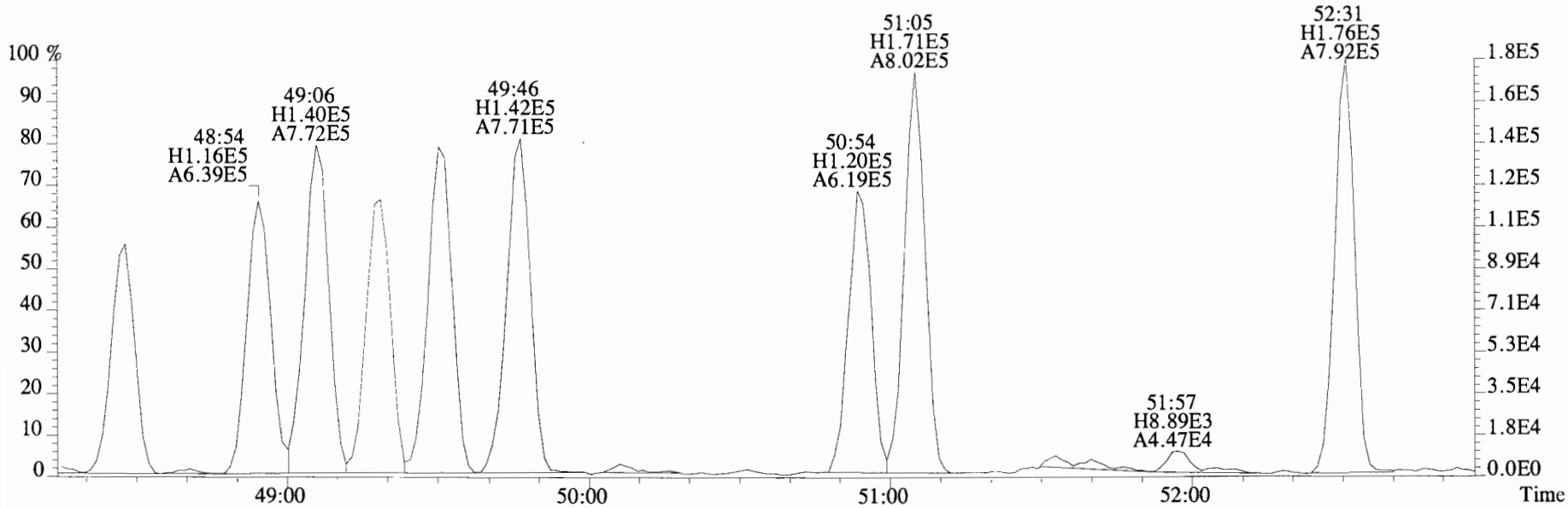
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
393.8025 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2760.0,0.00%,F,F)



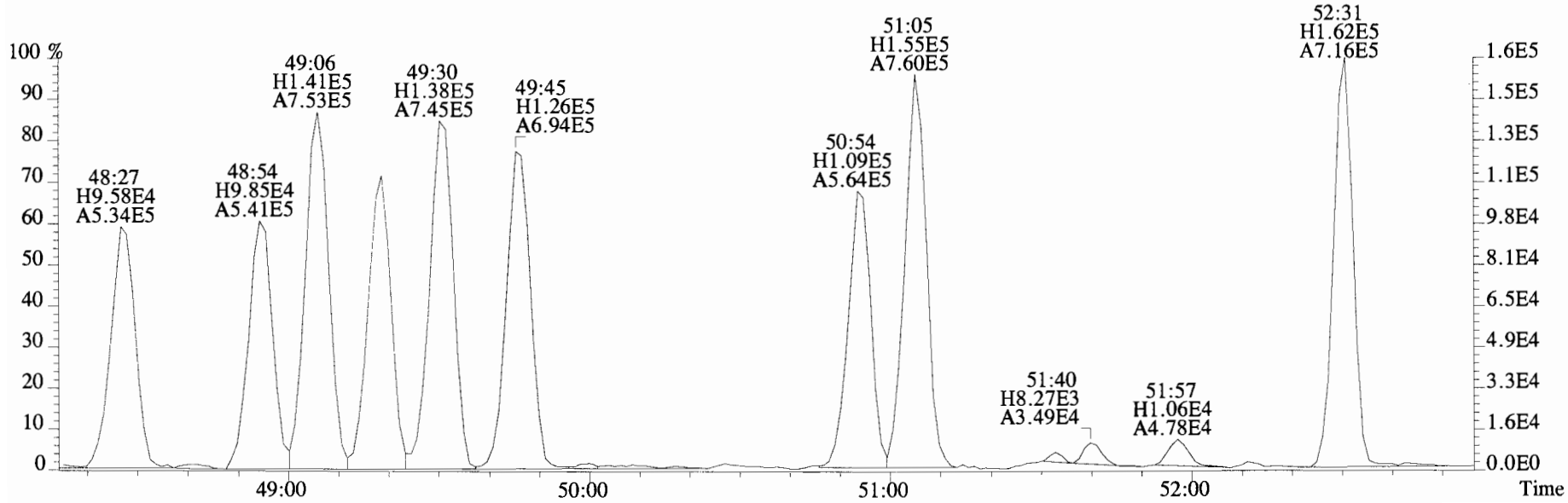

395.7995 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2288.0,0.00%,F,F)



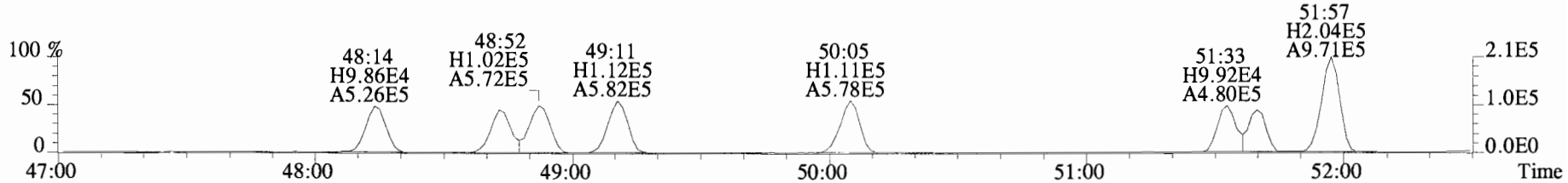
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
393.8025 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2760.0,0.00%,F,F)



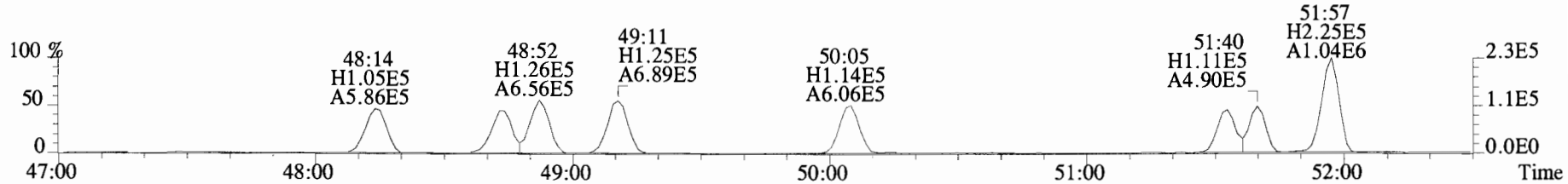

395.7995 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2288.0,0.00%,F,F)



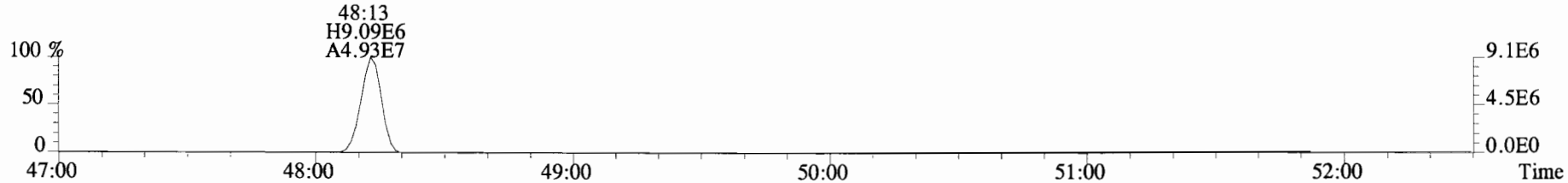
File:180208E1 #1-575 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
427.7635 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2072.0,0.00%,F,F)



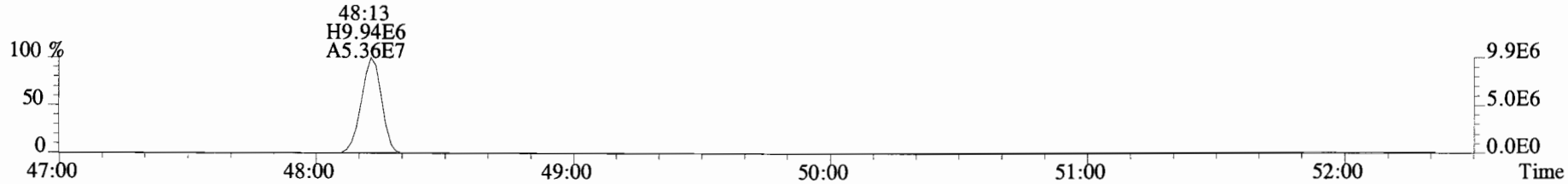

429.7606 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



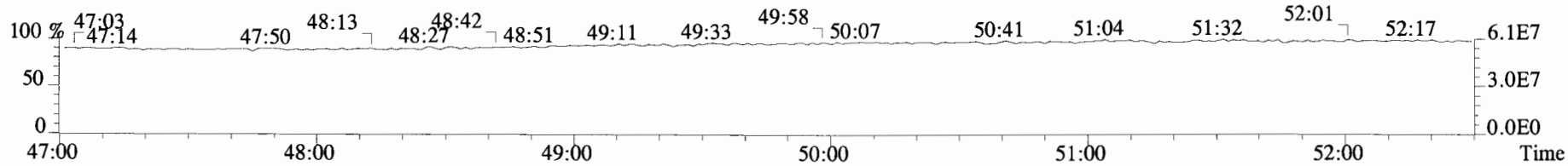

439.8038 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1684.0,0.00%,F,F)



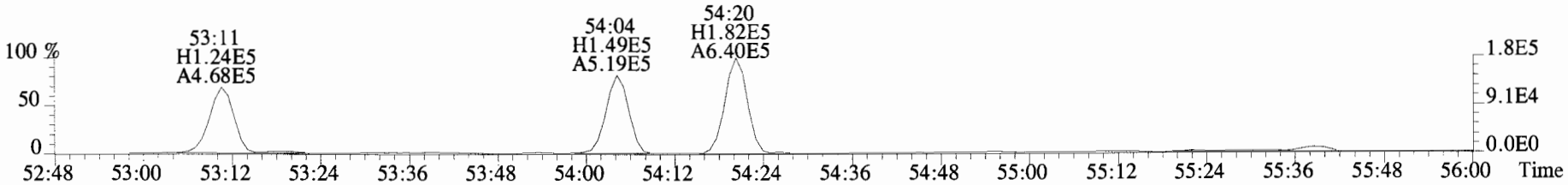

441.8008 S:2 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1532.0,0.00%,F,F)



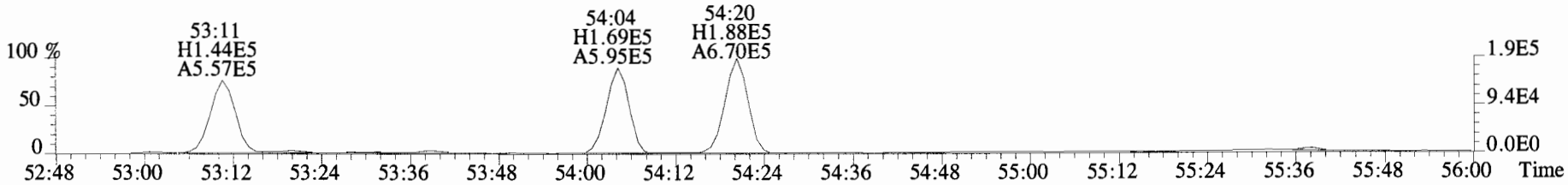

380.9760 S:2 F:4



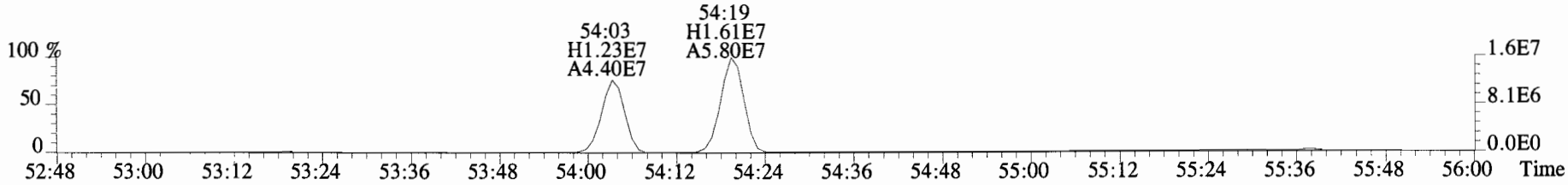
File:180208E1 #1-406 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
427.7635 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1956.0,0.00%,F,F)



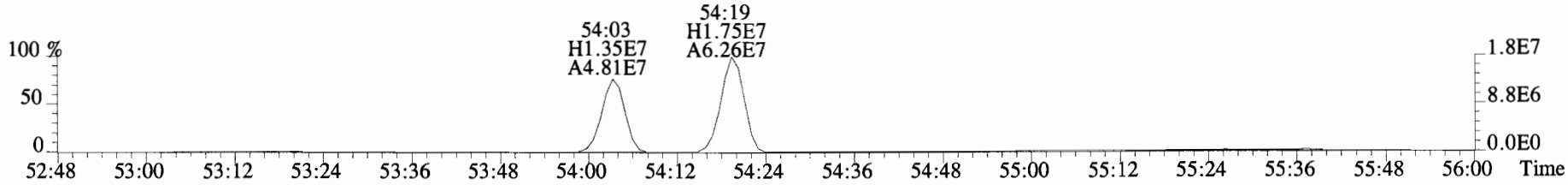

429.7606 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2004.0,0.00%,F,F)



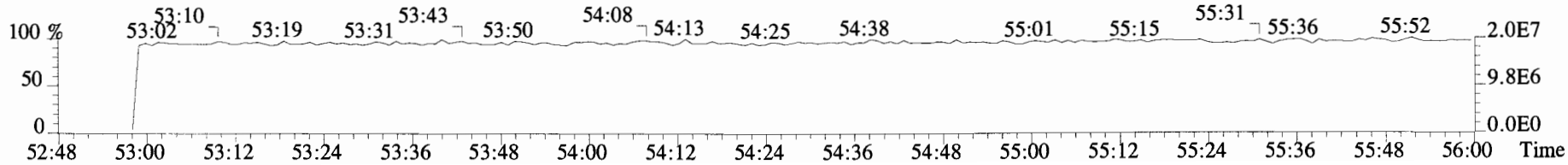

439.8038 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8404.0,0.00%,F,F)



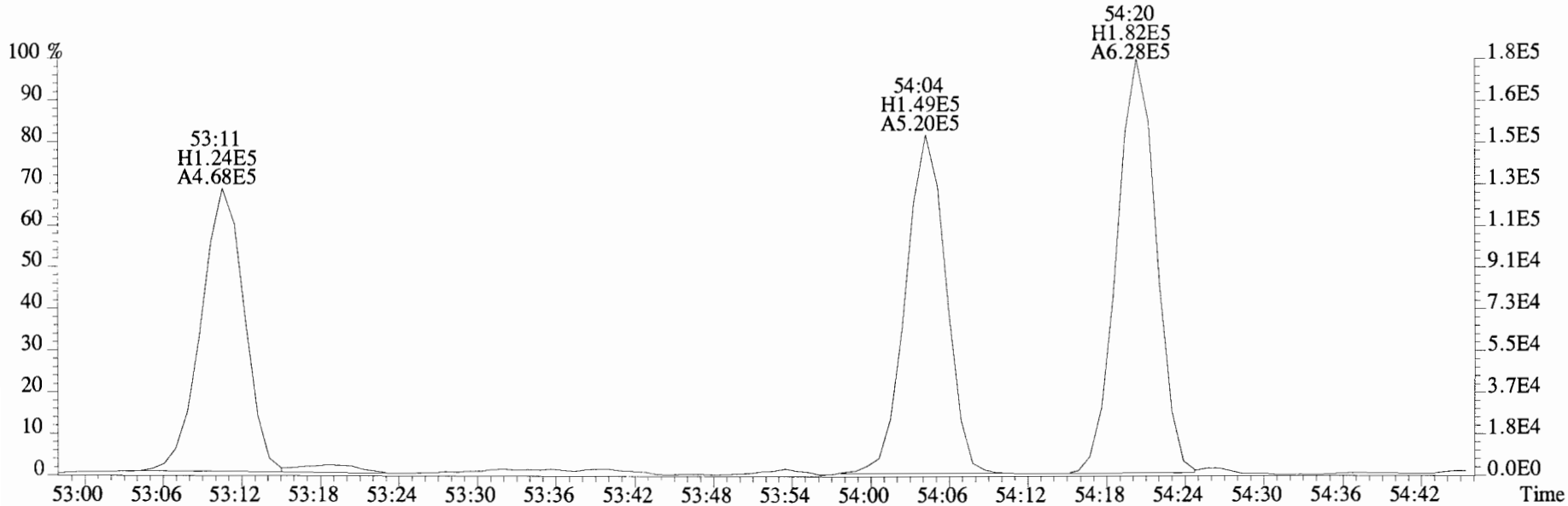

441.8008 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11356.0,0.00%,F,F)



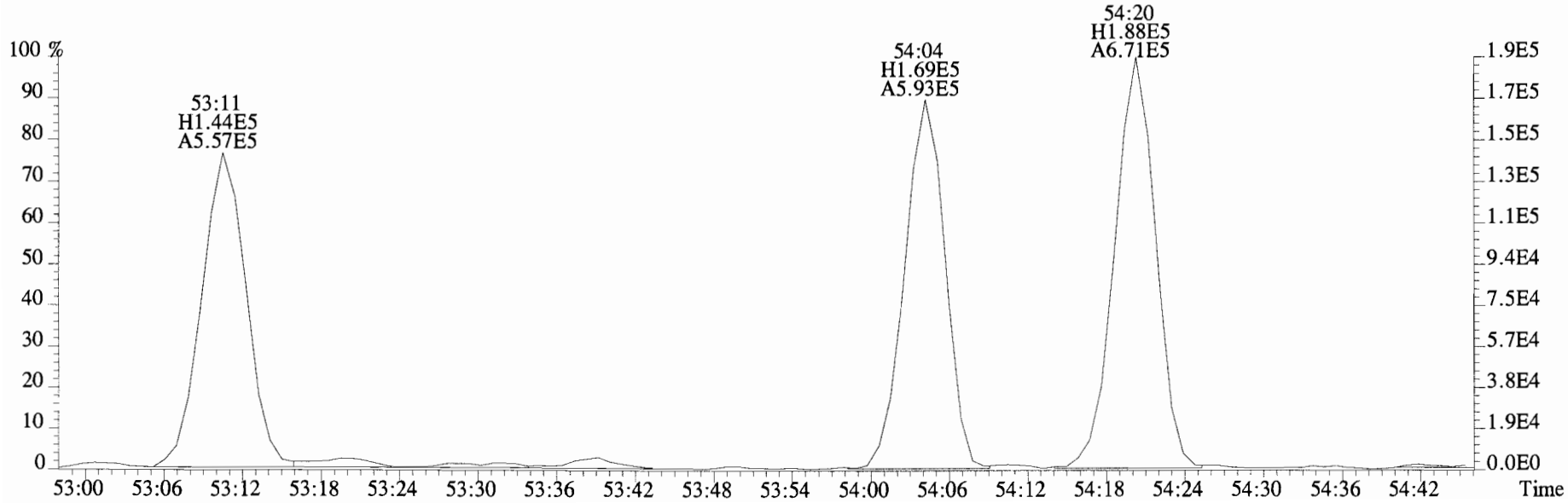

492.9697 S:2 F:5



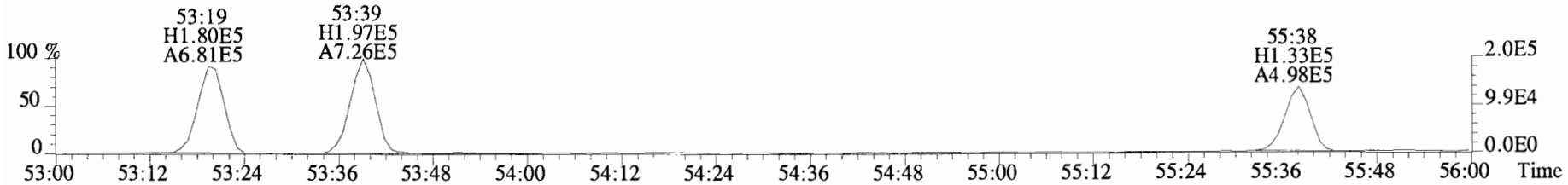
File:180208E1 #1-406 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
427.7635 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1956.0,0.00%,F,F)



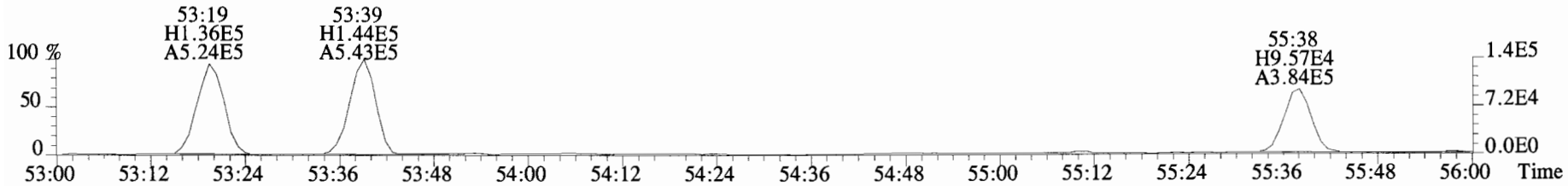

429.7606 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2004.0,0.00%,F,F)



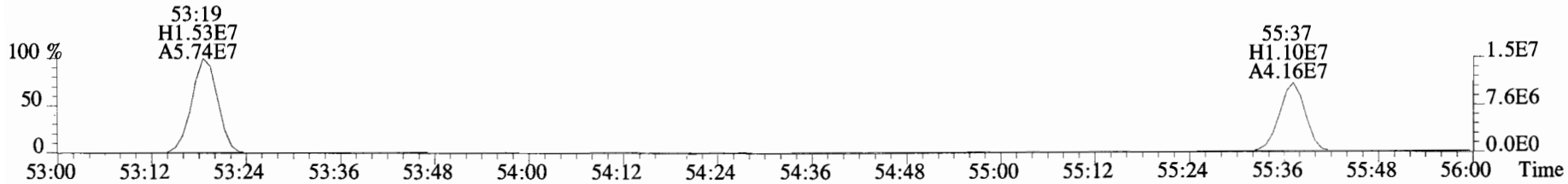
File:180208E1 #1-406 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
463.7216 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2136.0,0.00%,F,F)



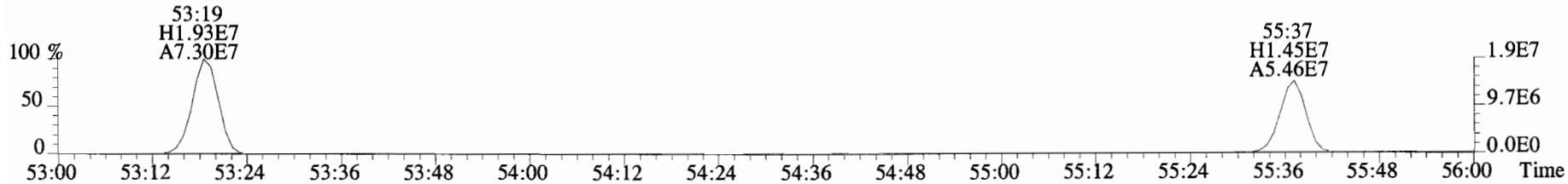

465.7186 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2004.0,0.00%,F,F)



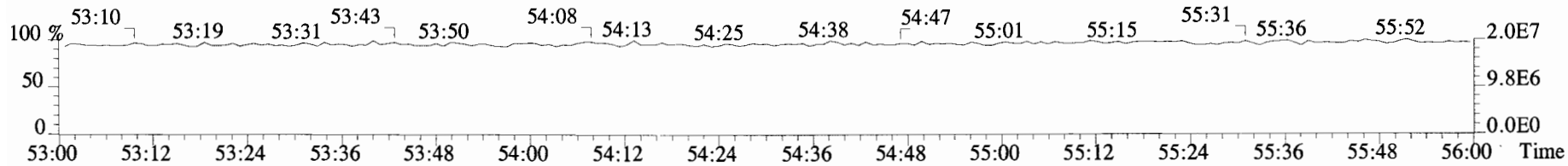

473.7648 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,52944.0,0.00%,F,F)



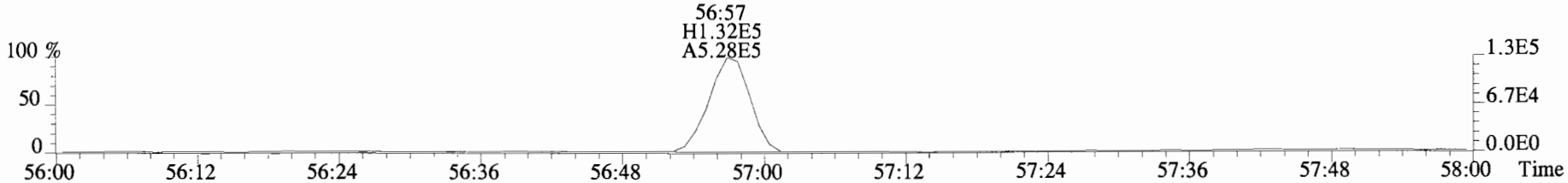

475.7619 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,60288.0,0.00%,F,F)



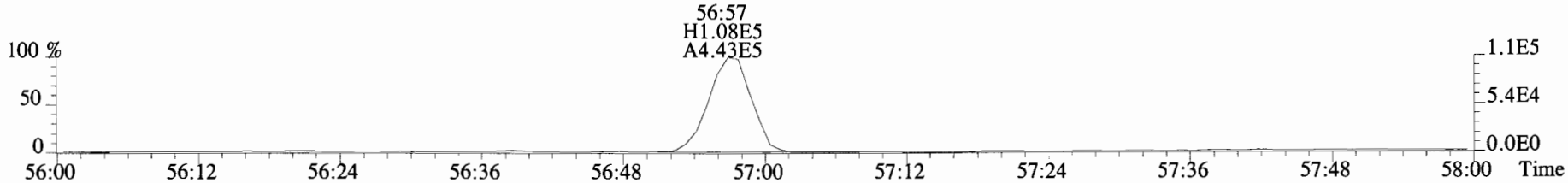

492.9697 S:2 F:5



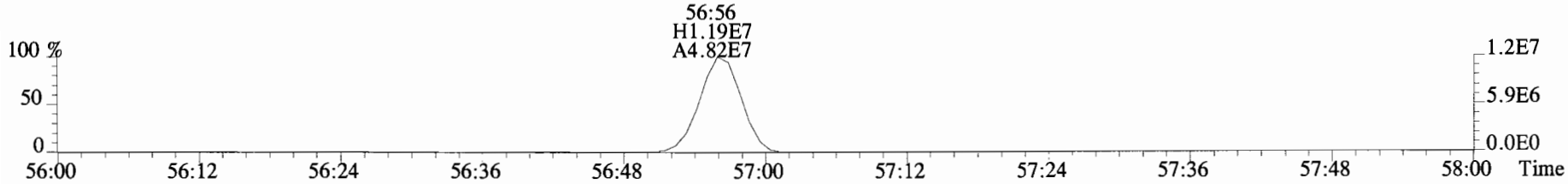
File:180208E1 #1-406 Acq: 8-FEB-2018 09:39:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-2 PCB CS1 17L3004 Exp:PCB_ZB1
497.6826 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1596.0,0.00%,F,F)



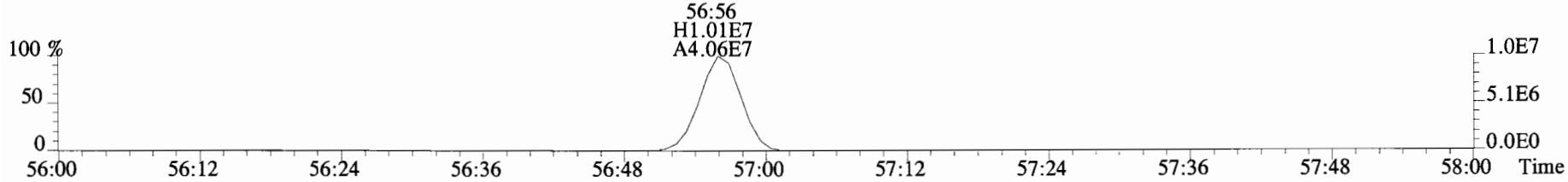

499.6797 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1524.0,0.00%,F,F)



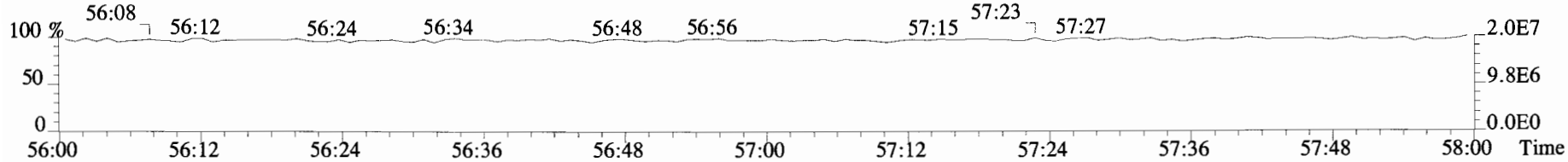

509.7229 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1608.0,0.00%,F,F)



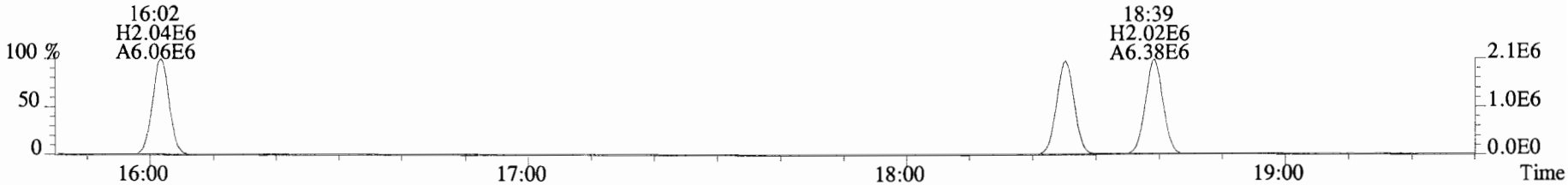

511.7199 S:2 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1848.0,0.00%,F,F)



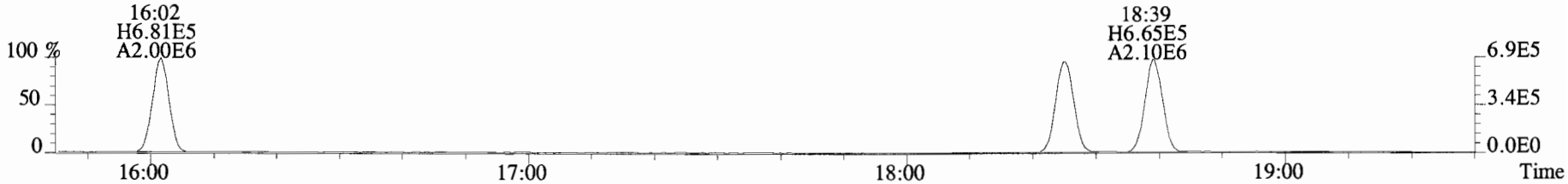

492.9697 S:2 F:5



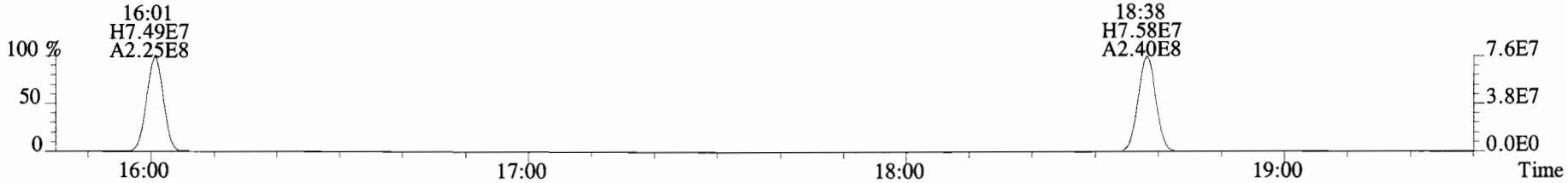
File:180208E1 #1-867 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
188.0393 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12760.0,0.00%,F,F)



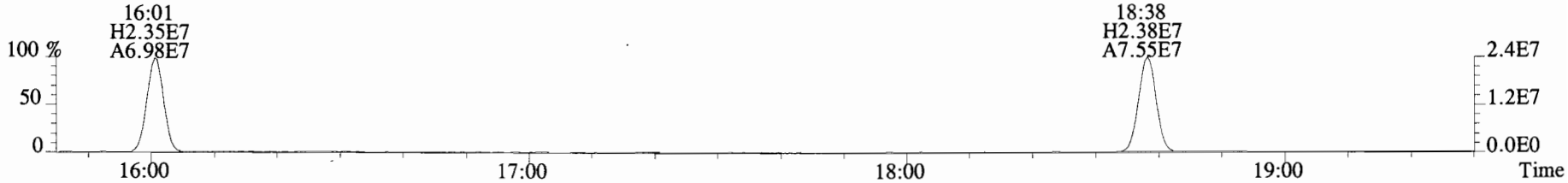

190.0363 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7840.0,0.00%,F,F)



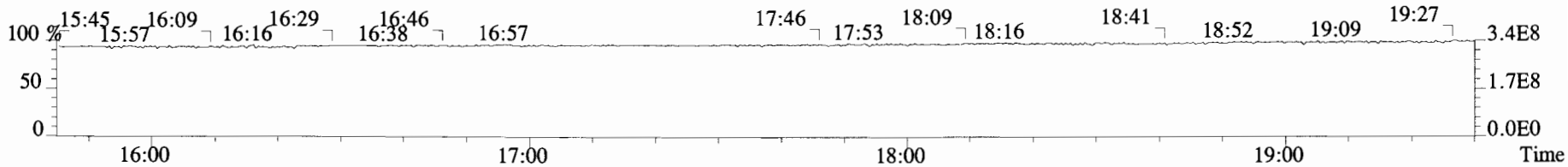

200.0795 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9684.0,0.00%,F,F)



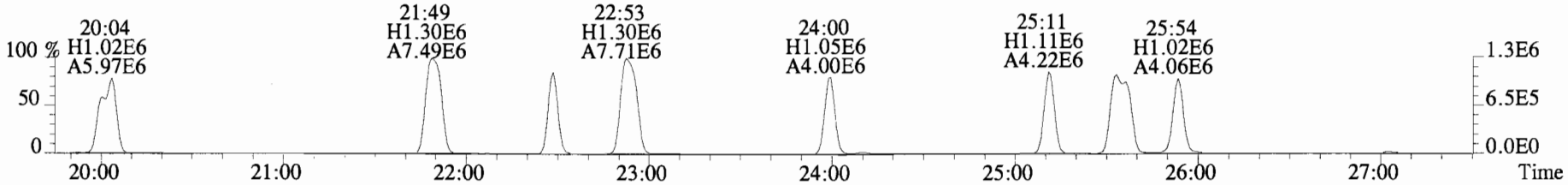

202.0766 S:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,82544.0,0.00%,F,F)



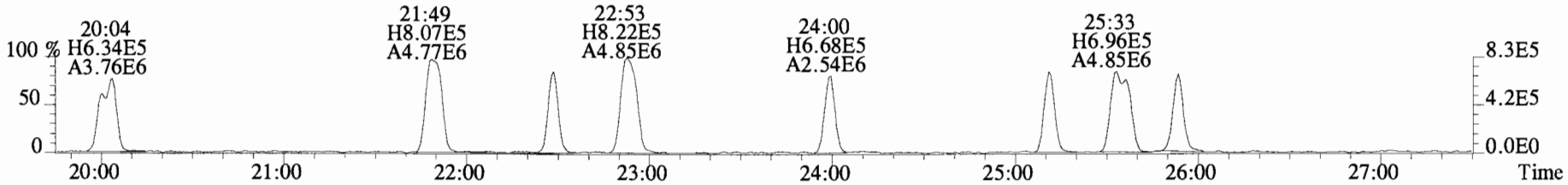

180.9880 S:3



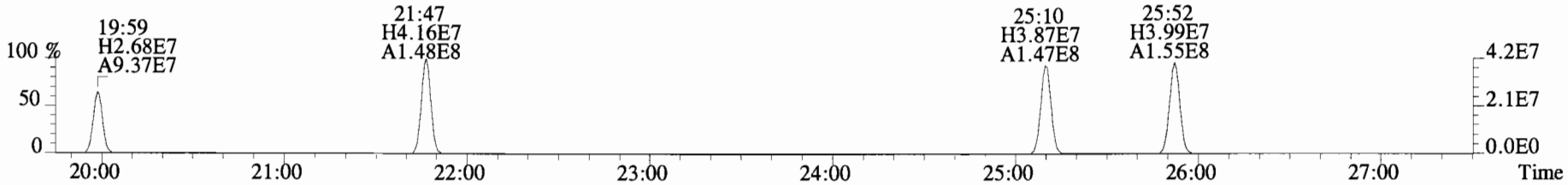
File:180208E1 #1-757 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
222.0003 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2700.0,0.00%,F,F)



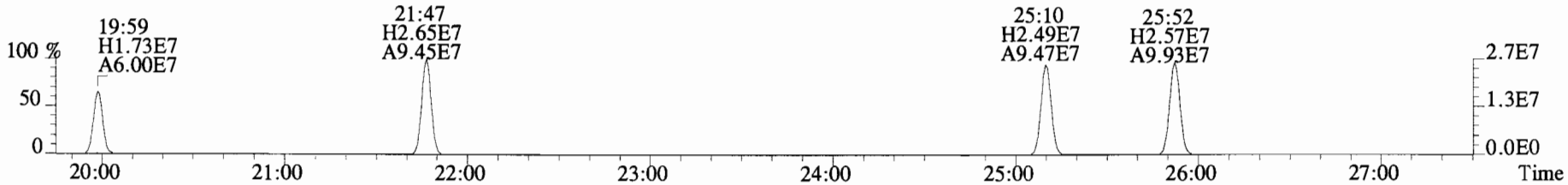

223.9974 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14968.0,0.00%,F,F)



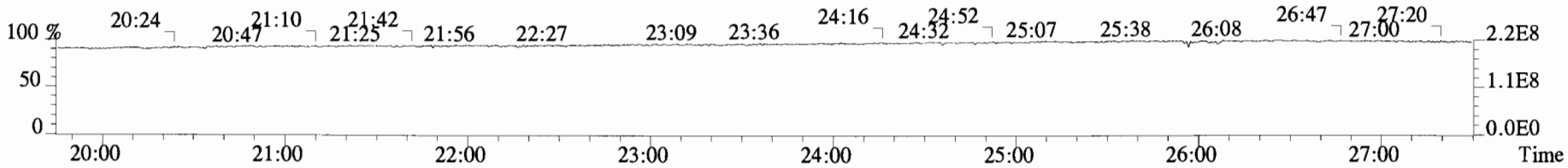

234.0406 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6620.0,0.00%,F,F)



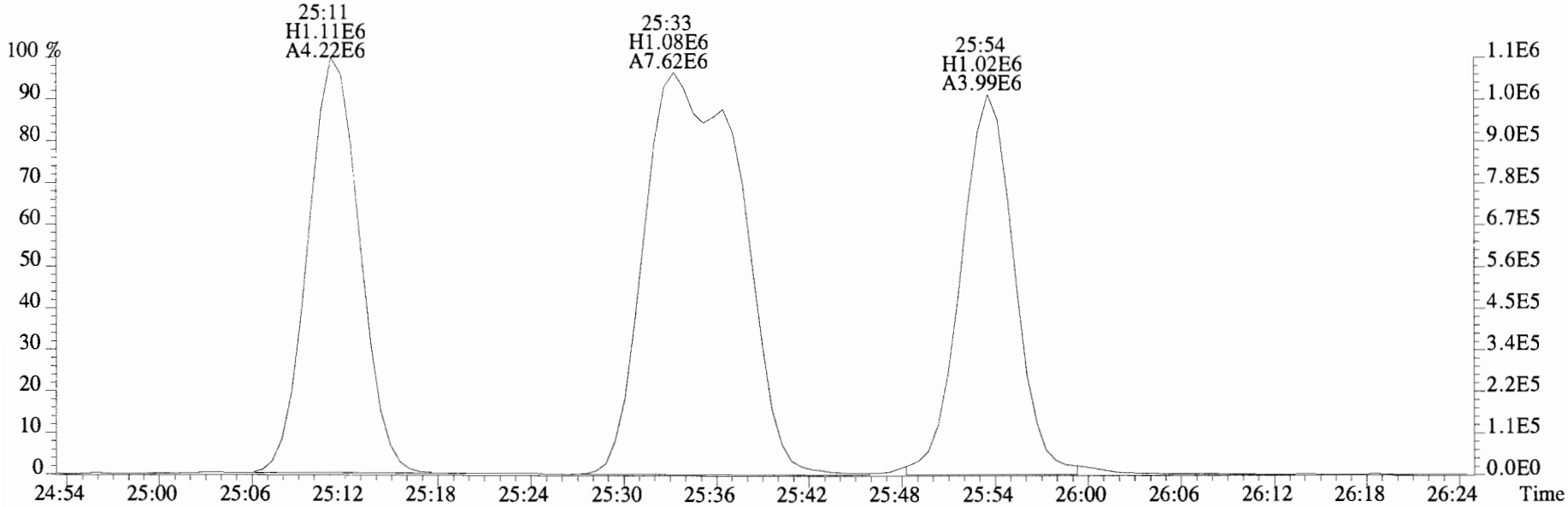

236.0376 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5296.0,0.00%,F,F)



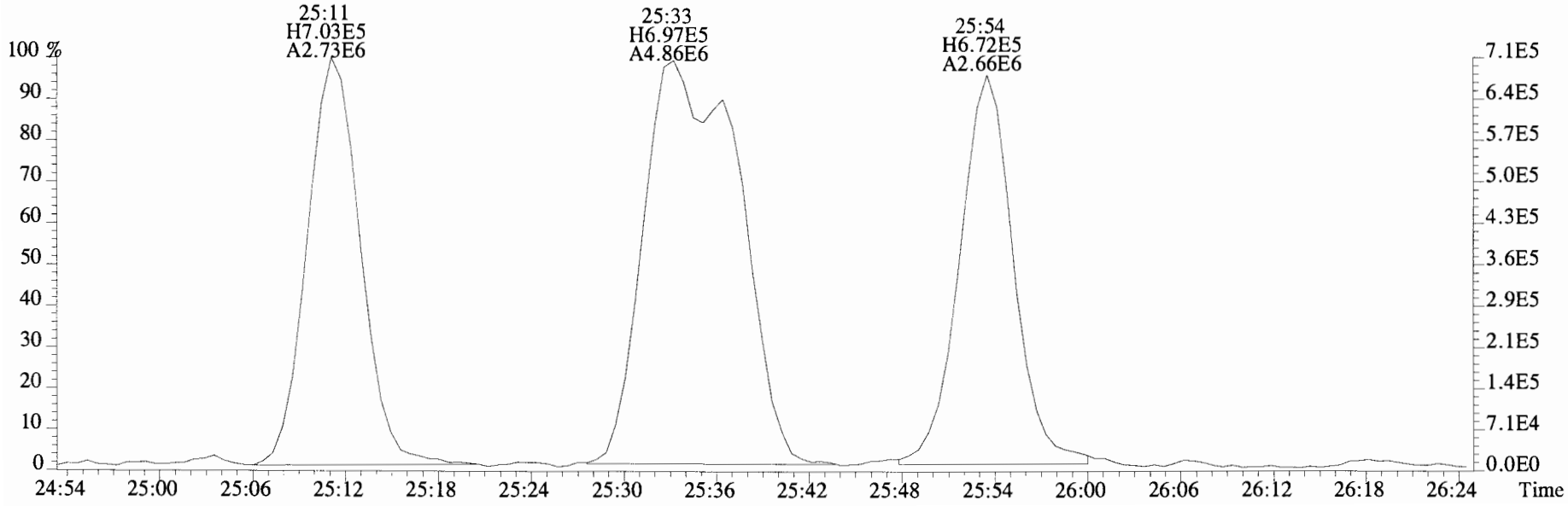

230.9856 S:3 F:2



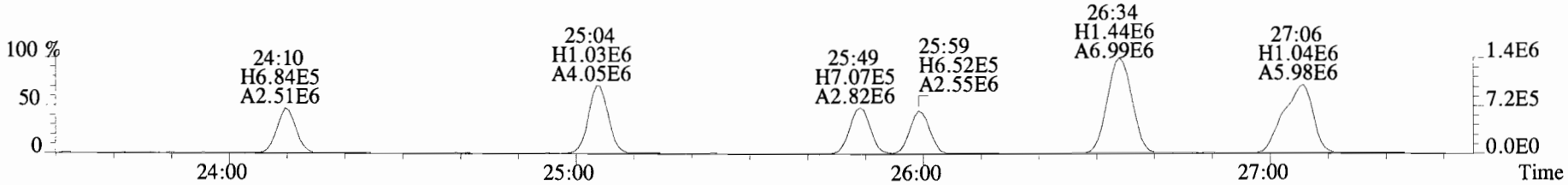
File:180208E1 #1-757 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
222.0003 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2700.0,0.00%,F,F)



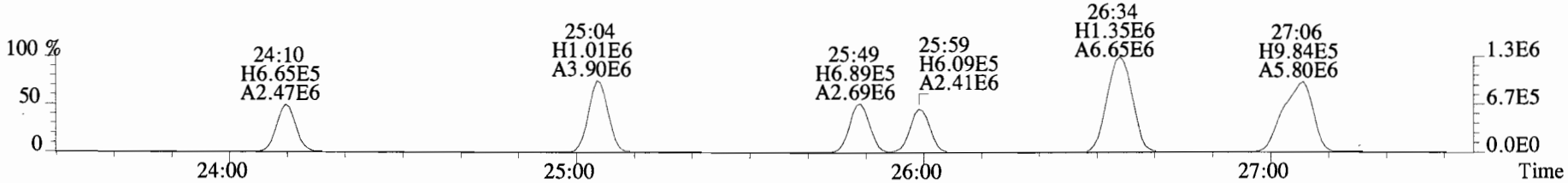

223.9974 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14968.0,0.00%,F,F)



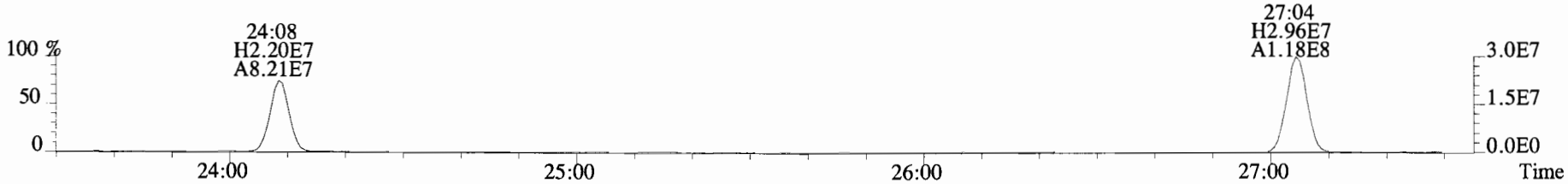
File:180208E1 #1-757 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
255.9613 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4124.0,0.00%,F,F)



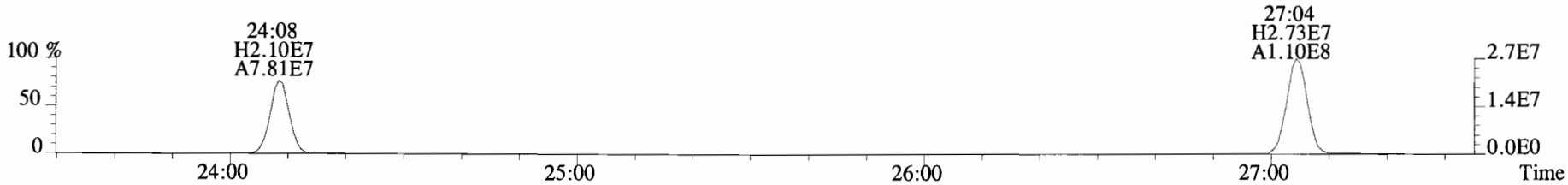

257.9584 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2868.0,0.00%,F,F)



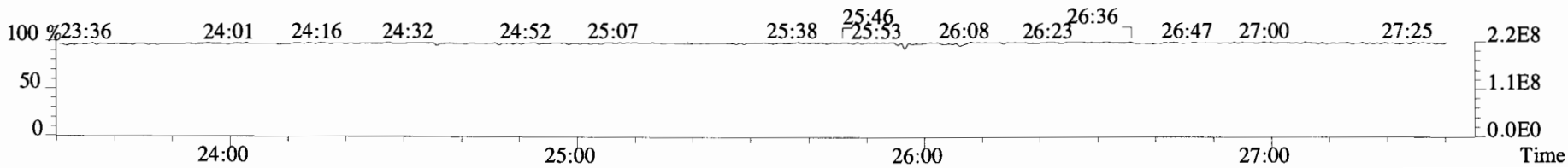

268.0016 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,96708.0,0.00%,F,F)



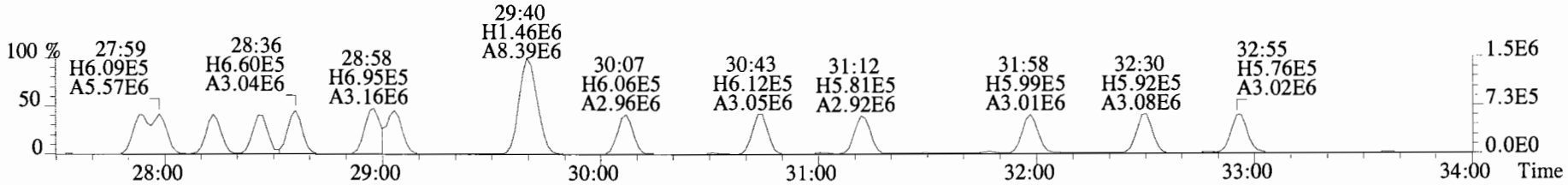

269.9986 S:3 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,42044.0,0.00%,F,F)



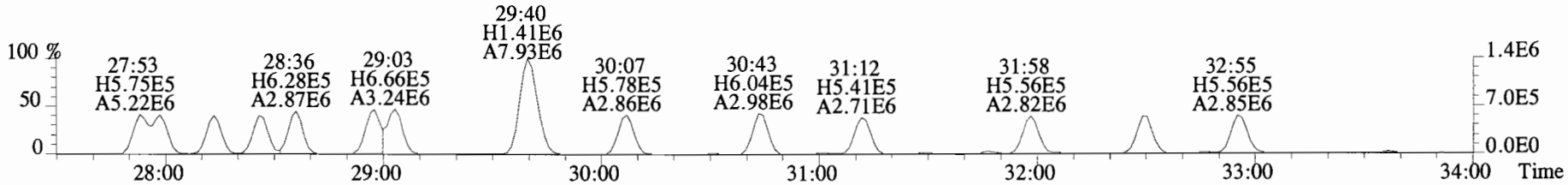

230.9856 S:3 F:2



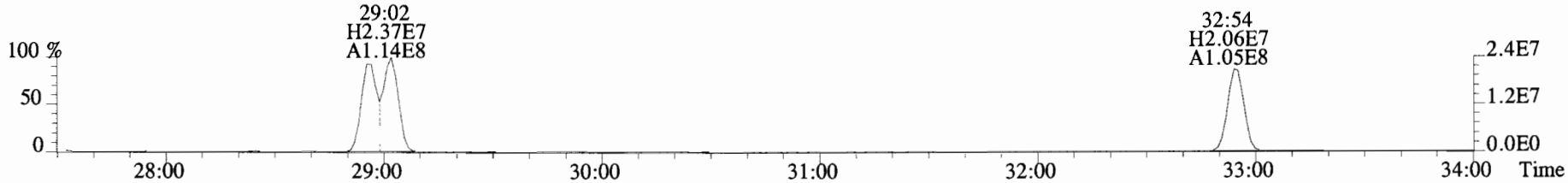
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4104.0,0.00%,F,F)



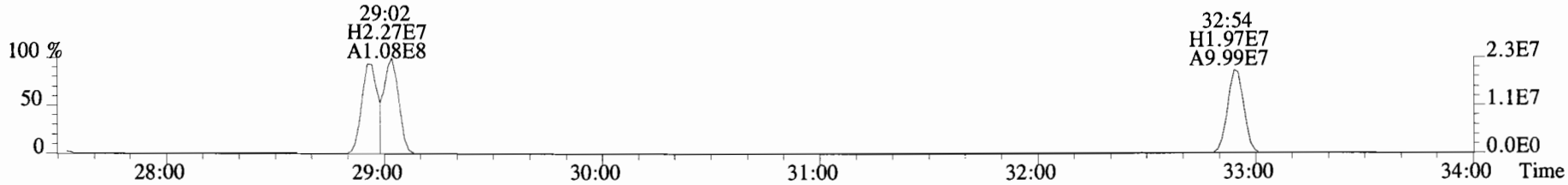

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3400.0,0.00%,F,F)



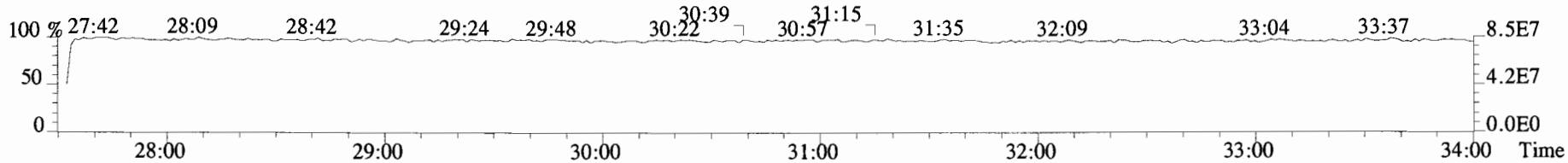

268.0016 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,101400.0,0.00%,F,F)



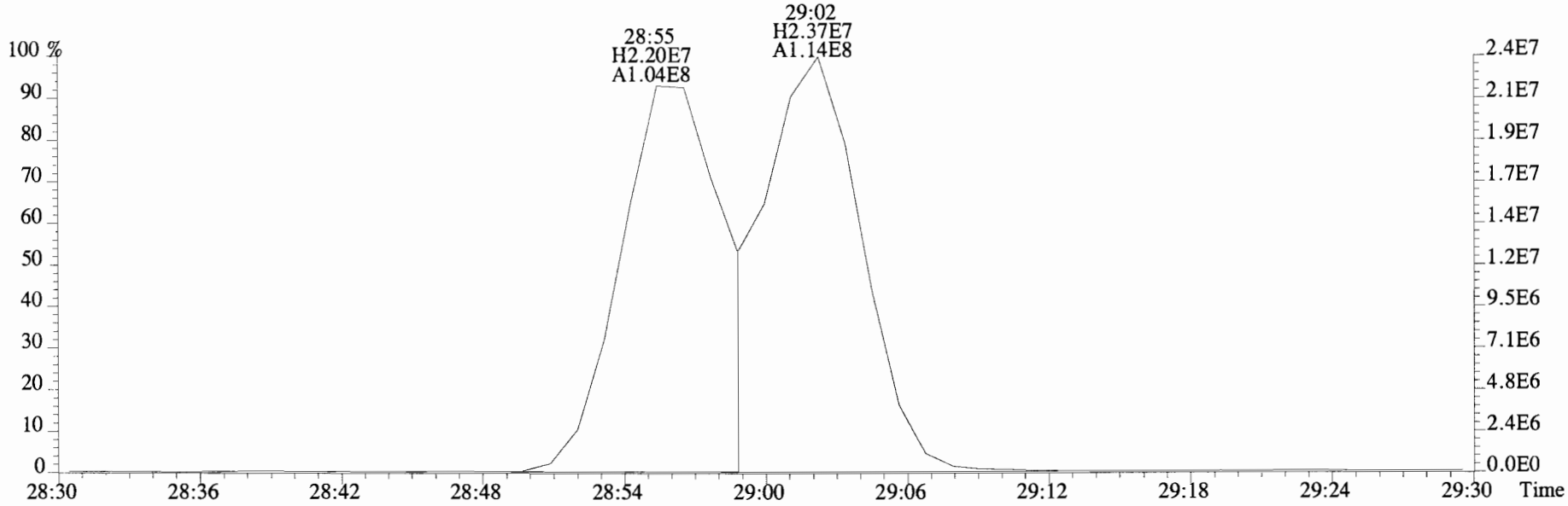

269.9986 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25516.0,0.00%,F,F)



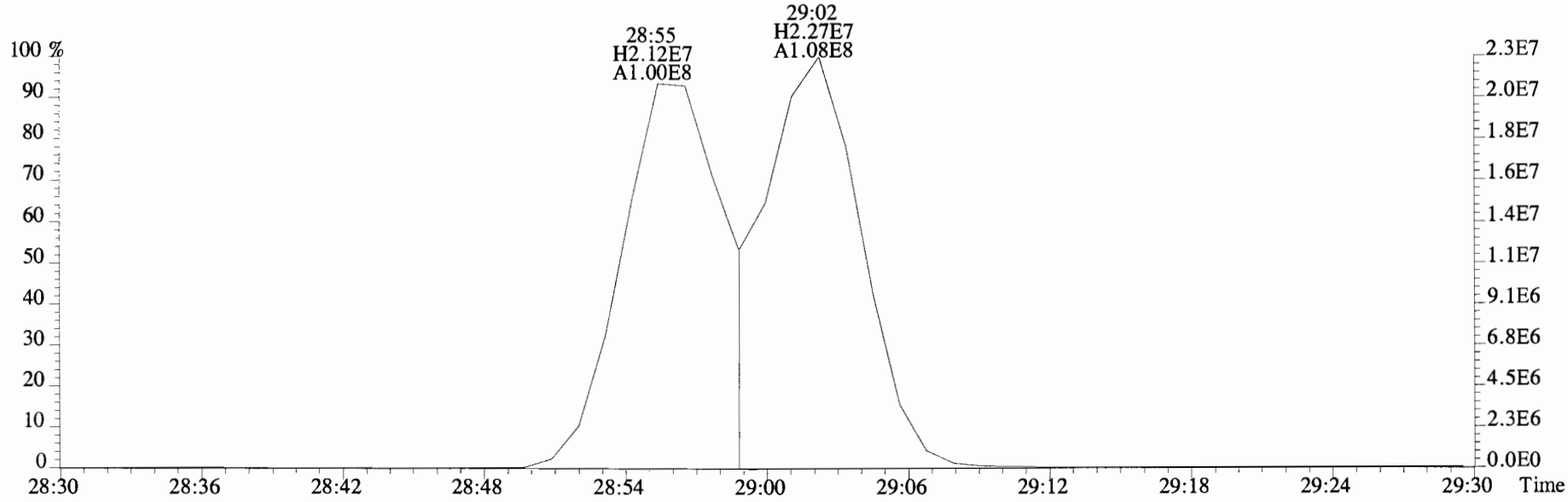

330.9792 S:3 F:3



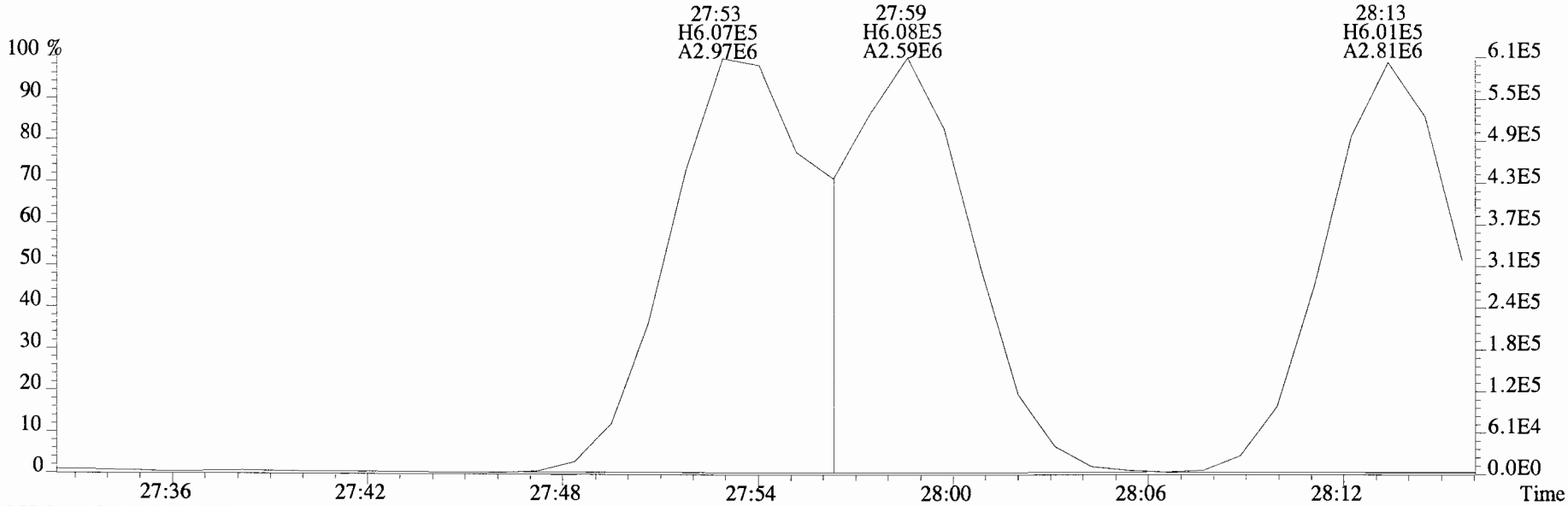
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
268.0016 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,101400.0,0.00%,F,F)



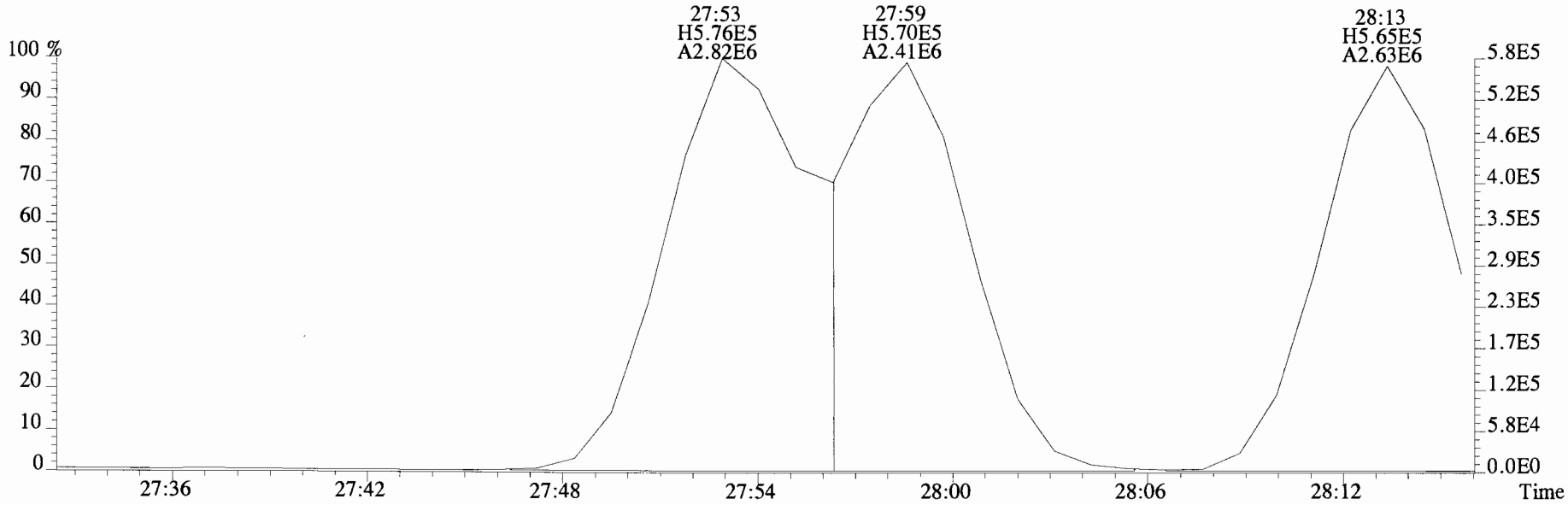

269.9986 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25516.0,0.00%,F,F)



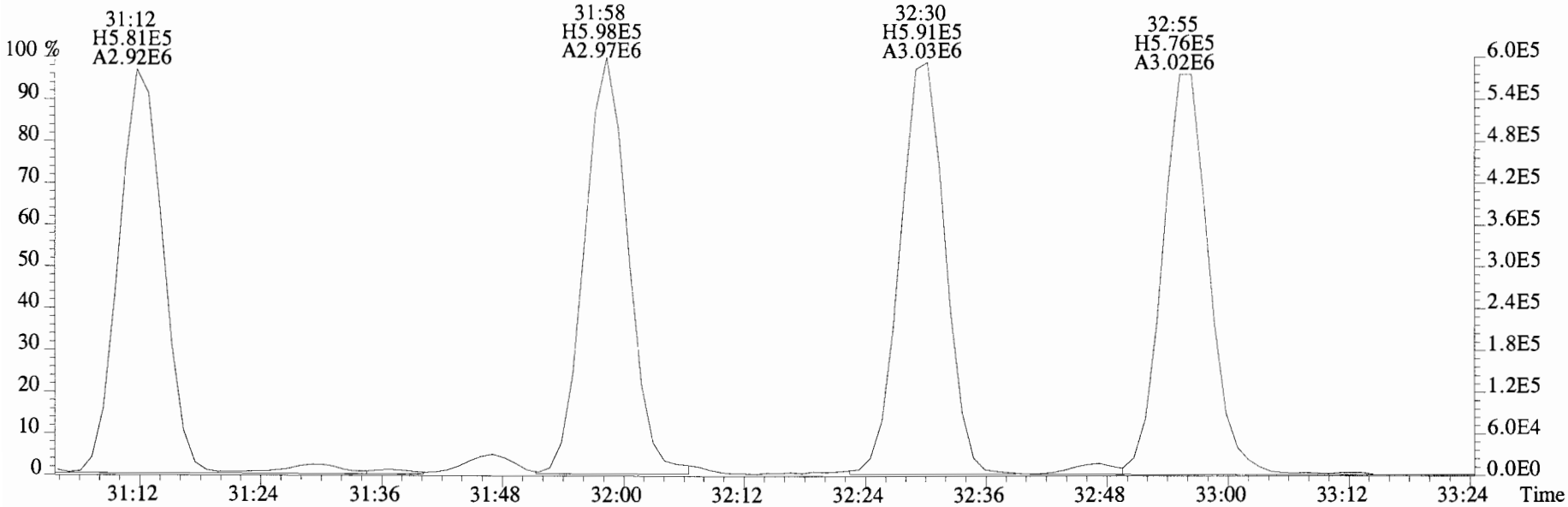
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4104.0,0.00%,F,F)



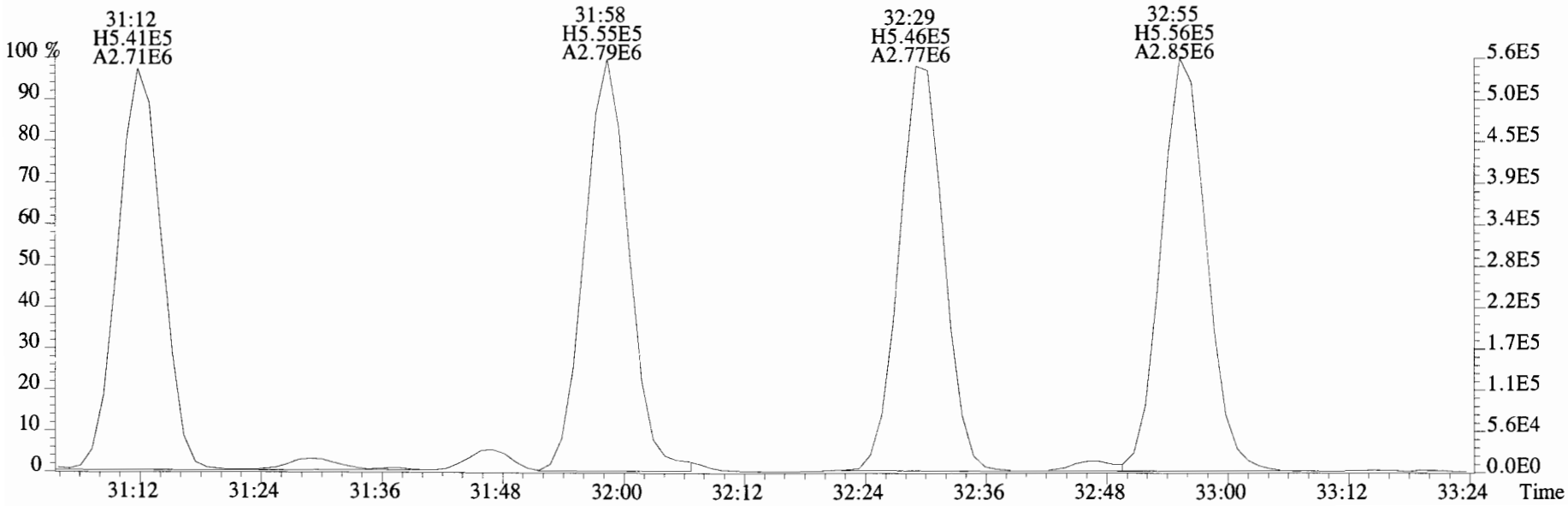

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3400.0,0.00%,F,F)



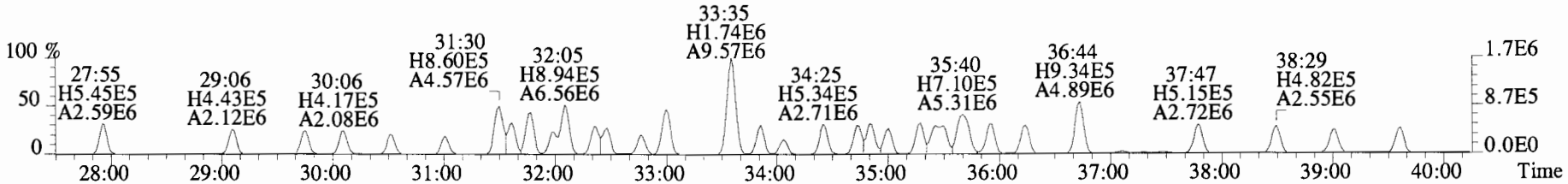
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
255.9613 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4104.0,0.00%,F,F)



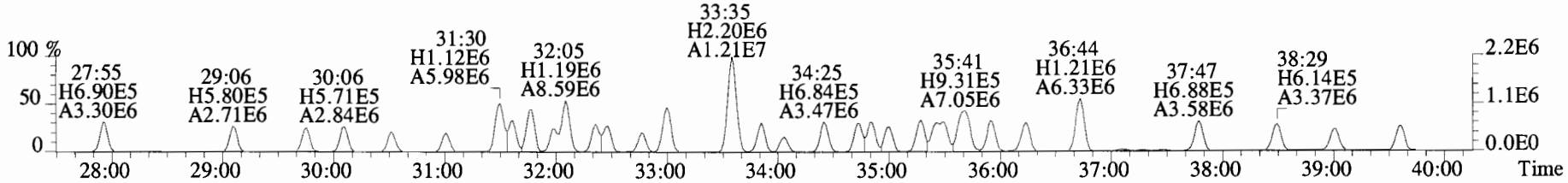

257.9584 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3400.0,0.00%,F,F)



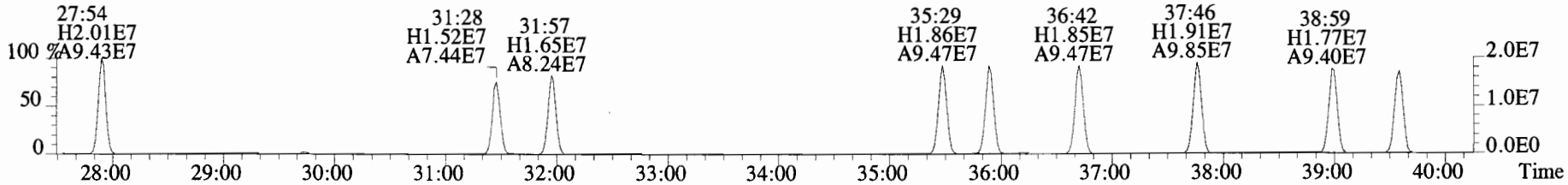
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3152.0,0.00%,F,F)



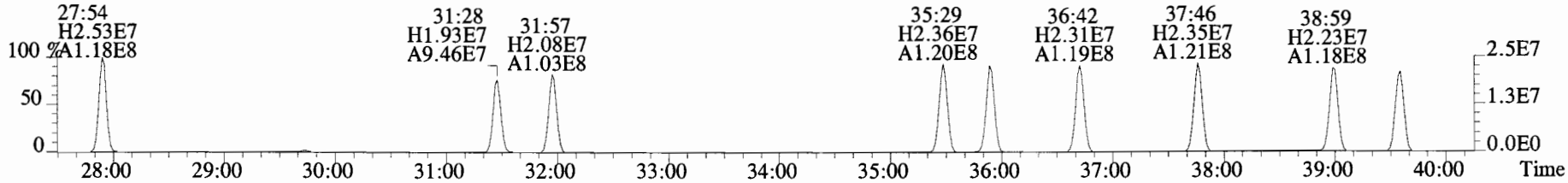

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3488.0,0.00%,F,F)



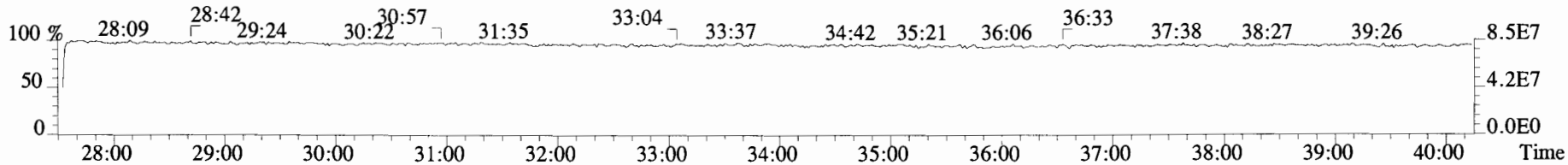

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39160.0,0.00%,F,F)



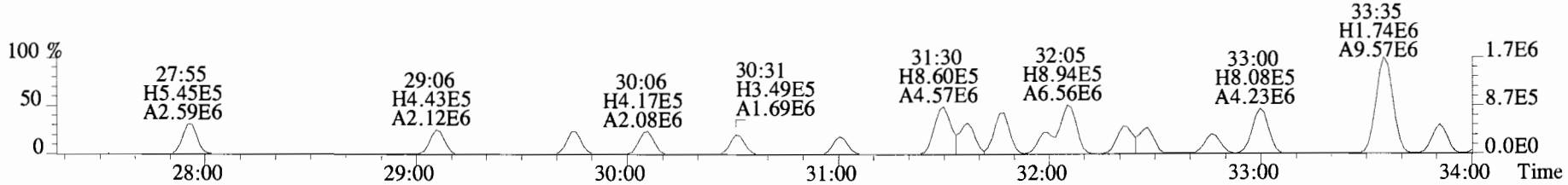

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22808.0,0.00%,F,F)



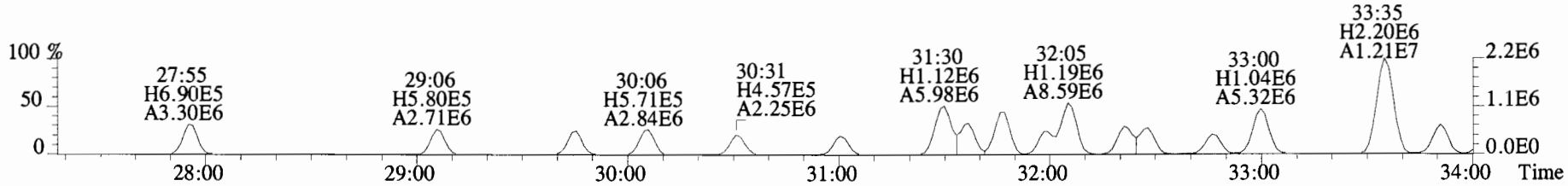

330.9792 S:3 F:3



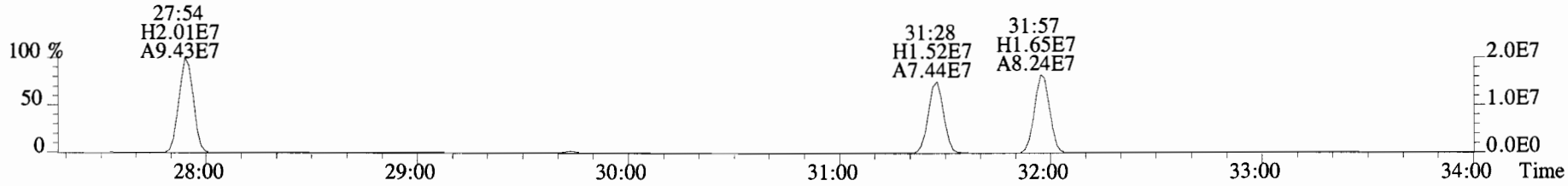
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3152.0,0.00%,F,F)



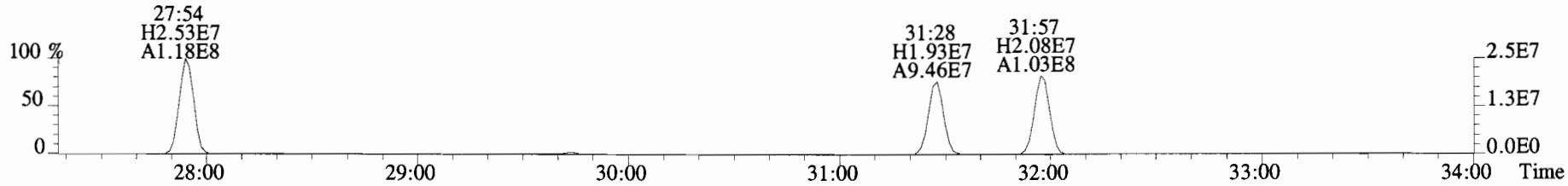

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3488.0,0.00%,F,F)



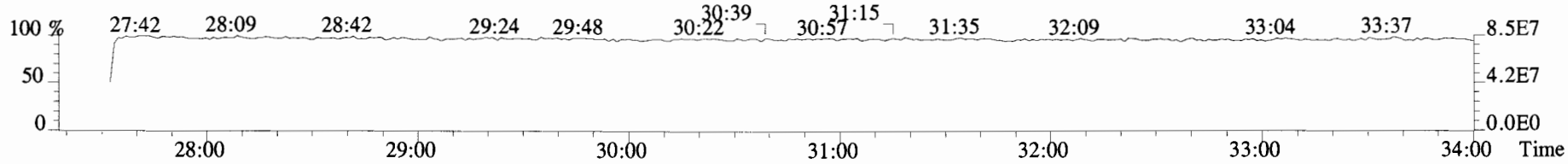

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39160.0,0.00%,F,F)



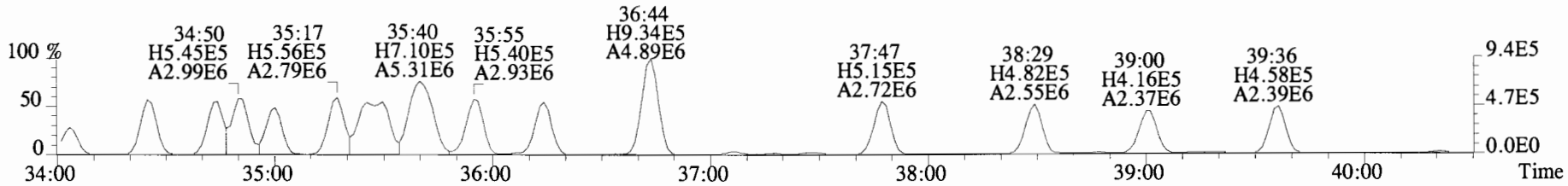

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22808.0,0.00%,F,F)



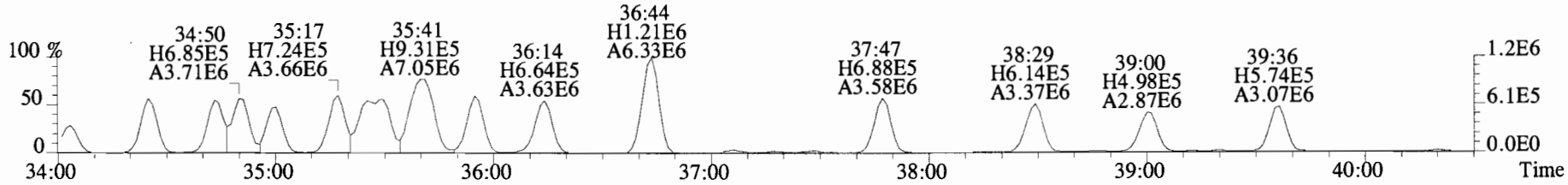

330.9792 S:3 F:3



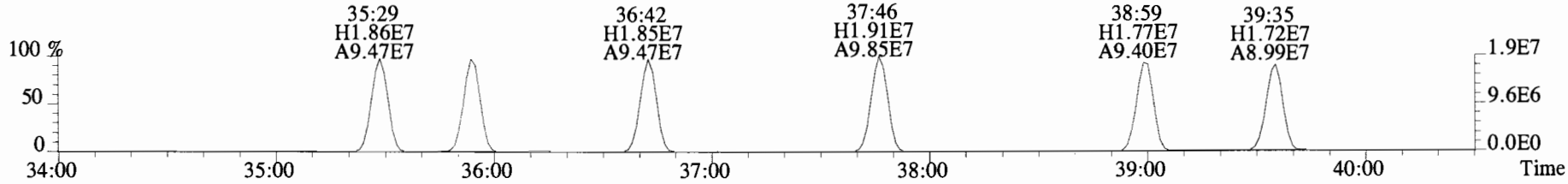
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3152.0,0.00%,F,F)



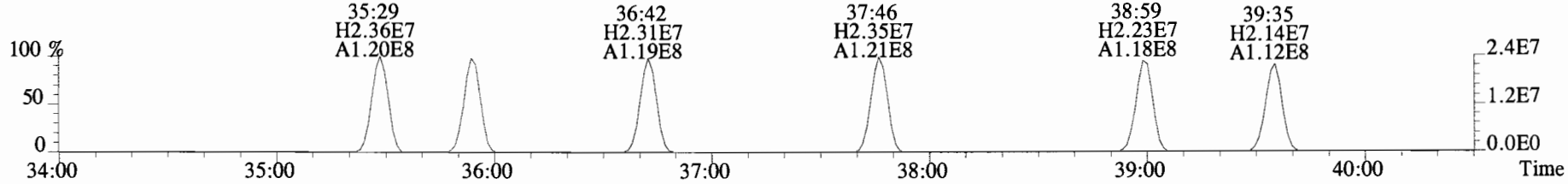

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3488.0,0.00%,F,F)



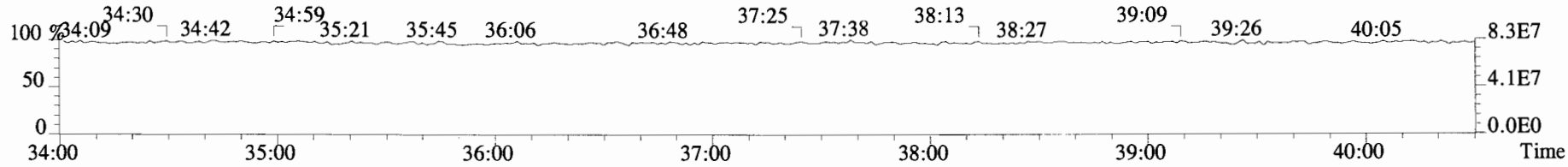

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39160.0,0.00%,F,F)



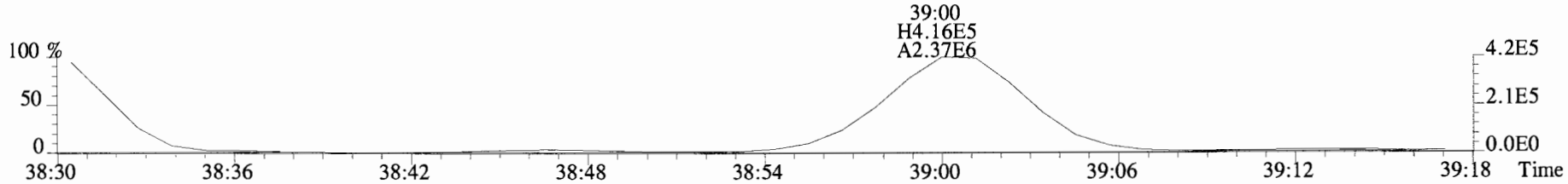

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22808.0,0.00%,F,F)



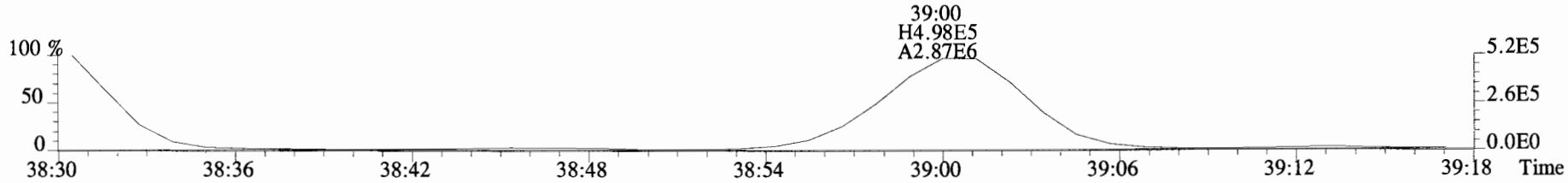

330.9792 S:3 F:3



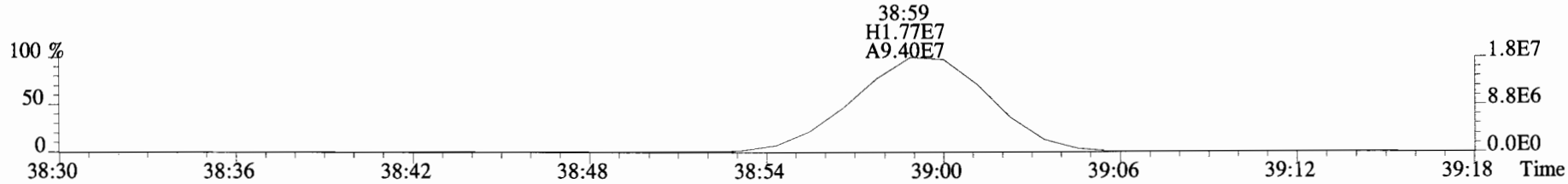
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3152.0,0.00%,F,F)



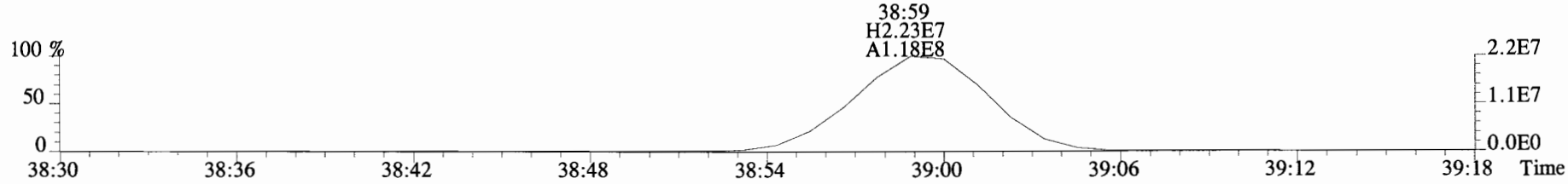

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3488.0,0.00%,F,F)



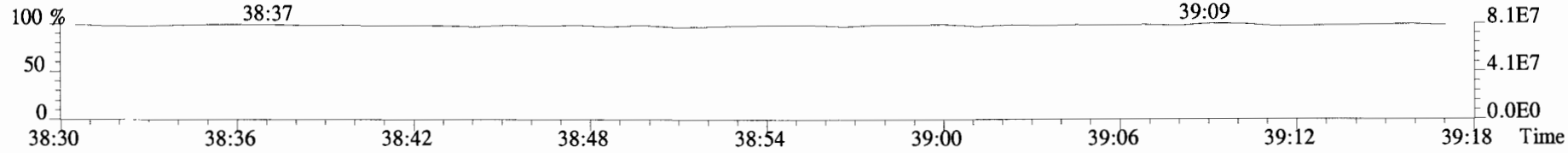

301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39160.0,0.00%,F,F)



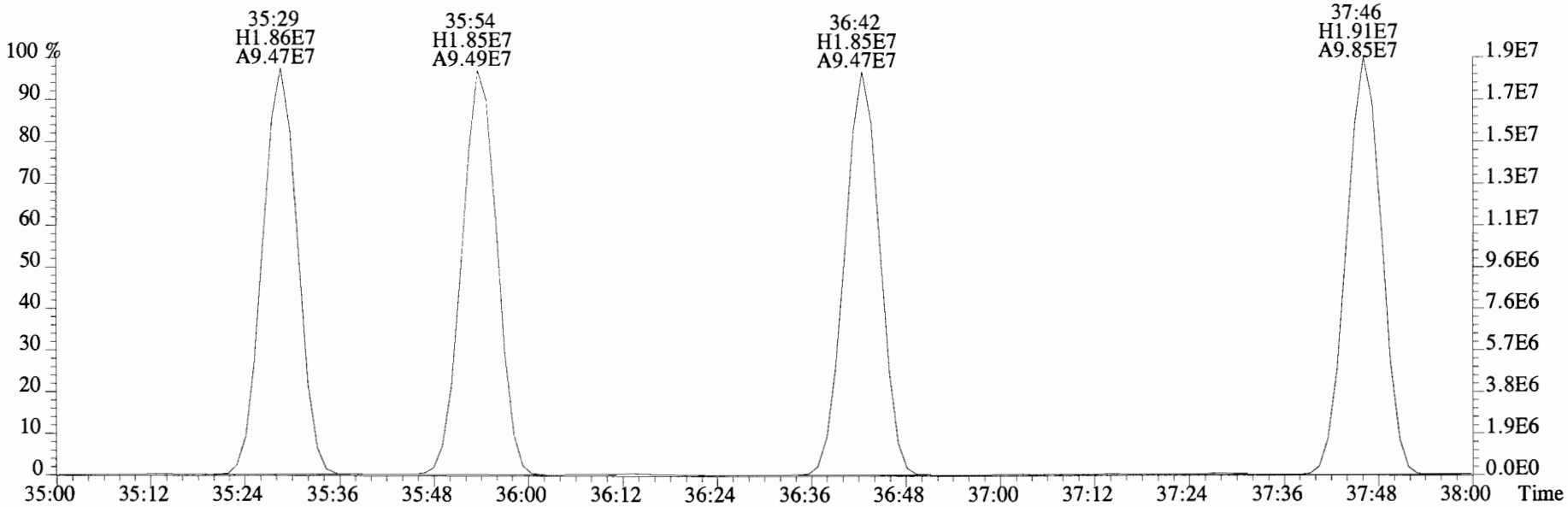

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22808.0,0.00%,F,F)



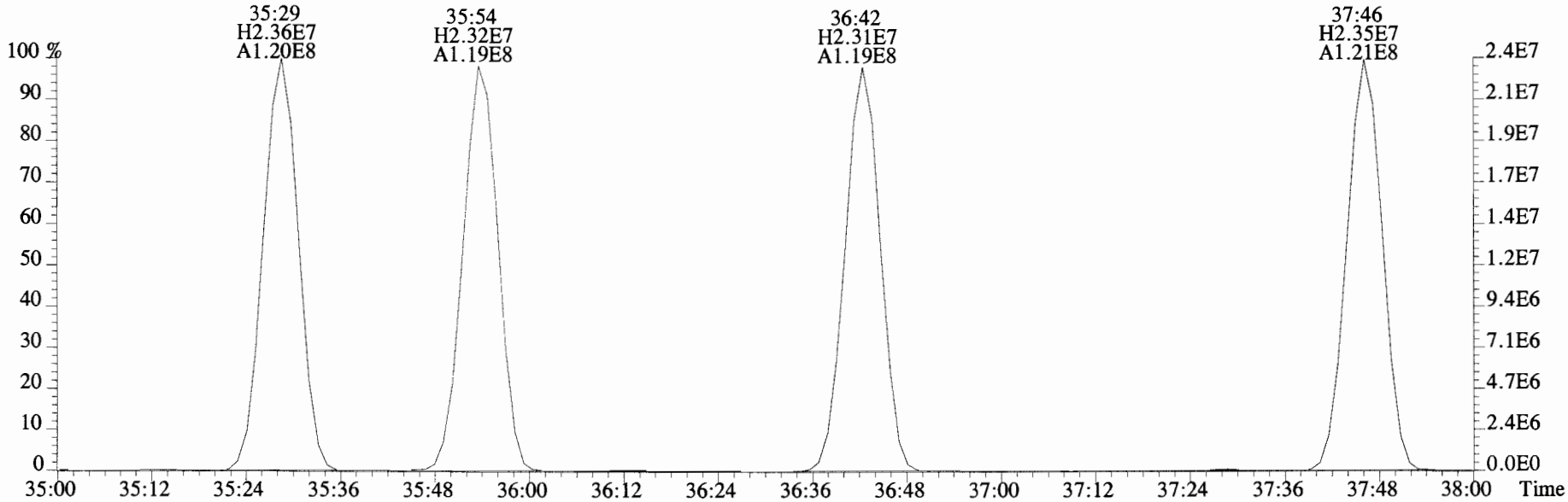

330.9792 S:3 F:3



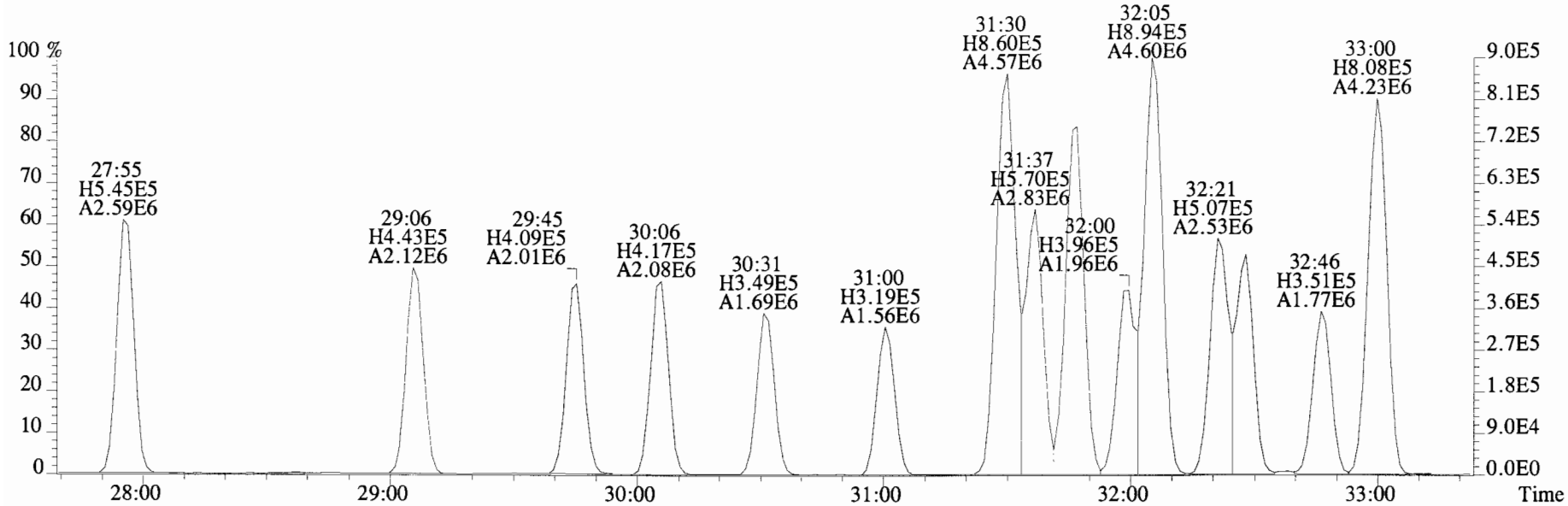
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
301.9626 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39160.0,0.00%,F,F)



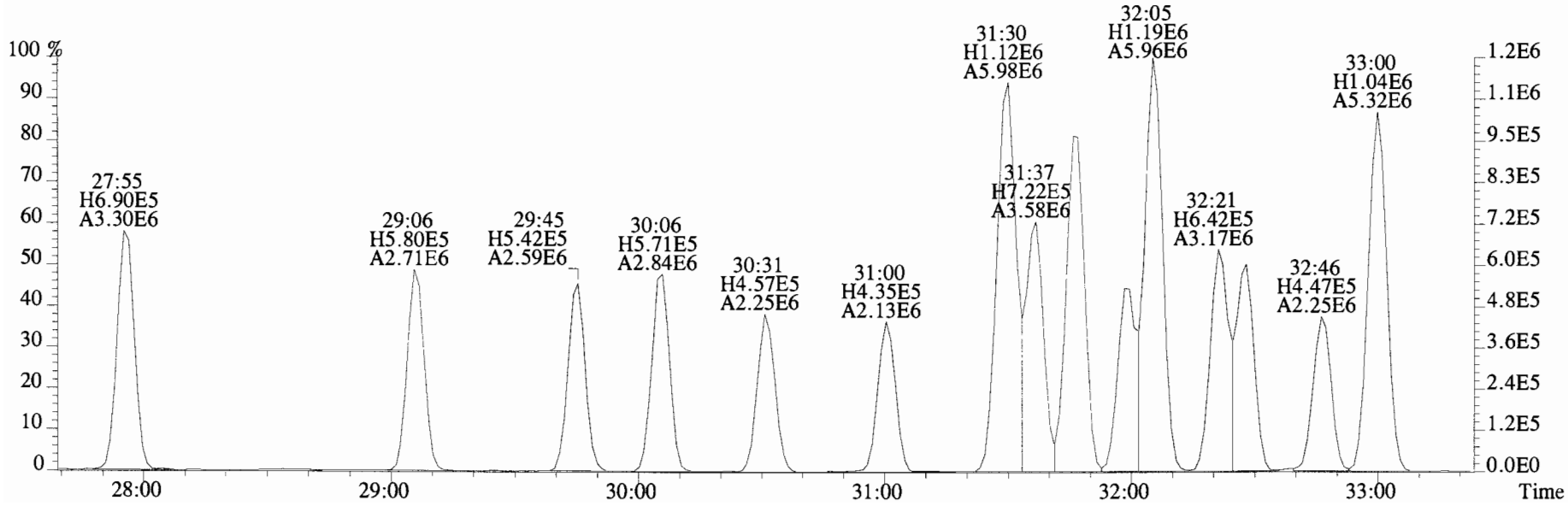

303.9597 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22808.0,0.00%,F,F)



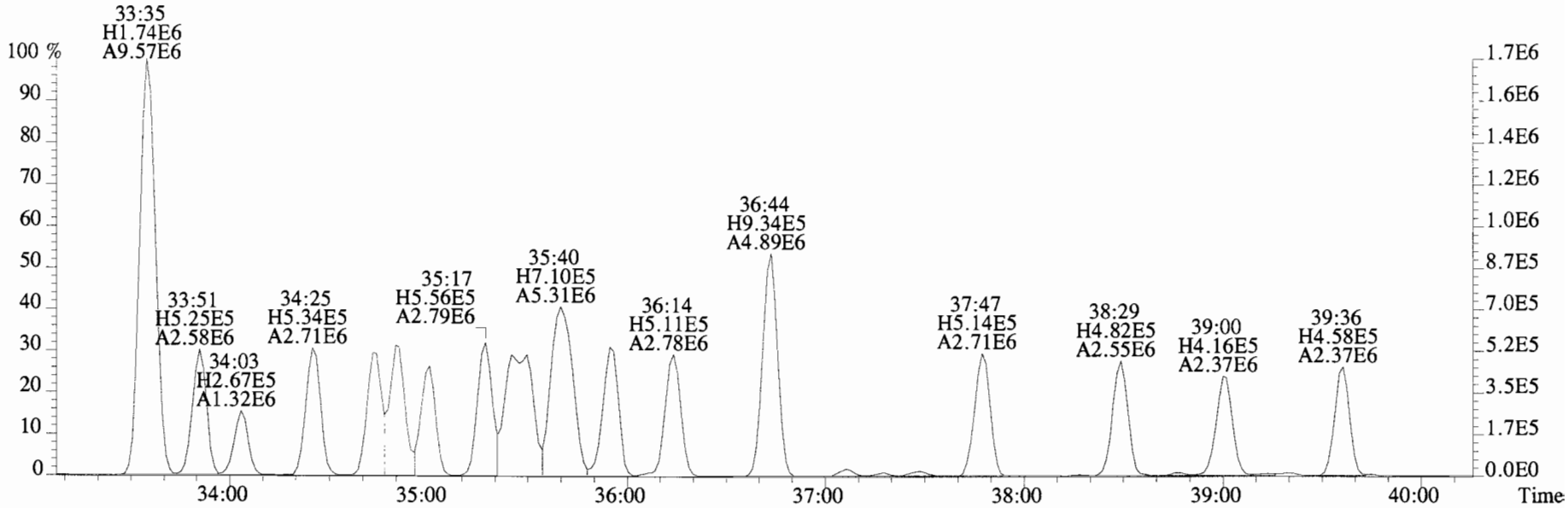
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3152.0,0.00%,F,F)



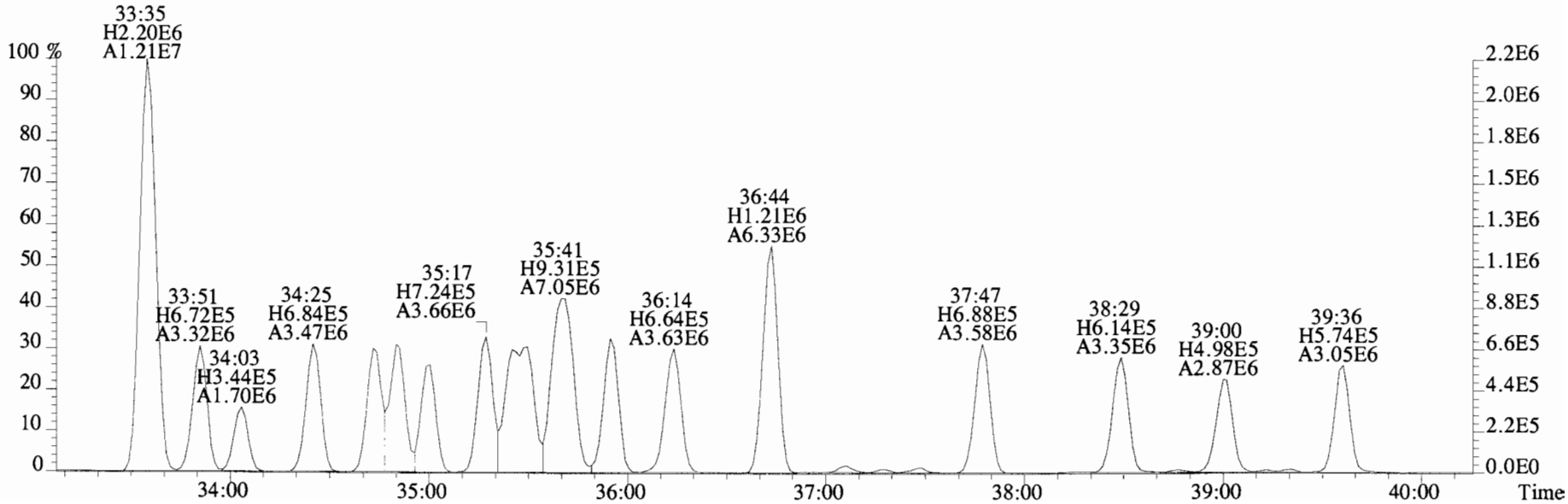

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3488.0,0.00%,F,F)



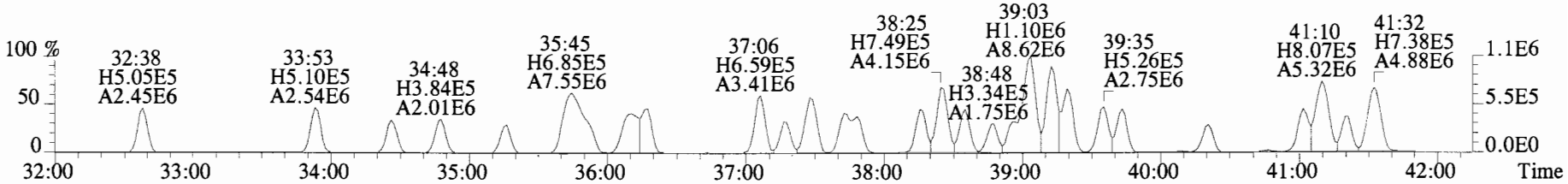
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
289.9224 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3152.0,0.00%,F,F)



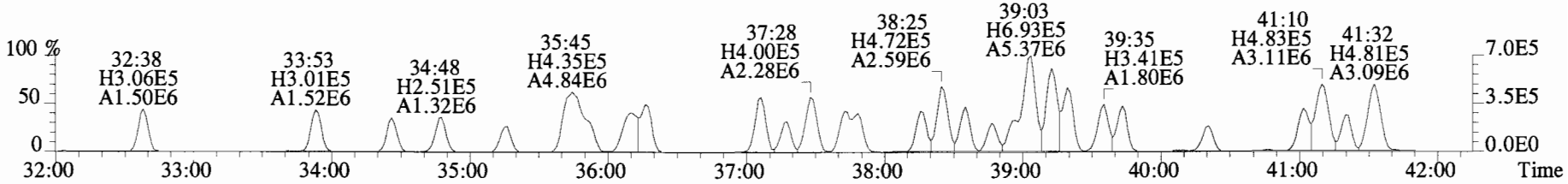

291.9194 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3488.0,0.00%,F,F)



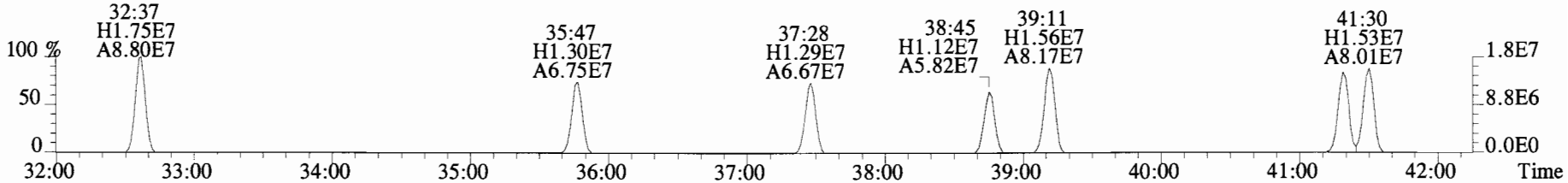
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2084.0,0.00%,F,F)



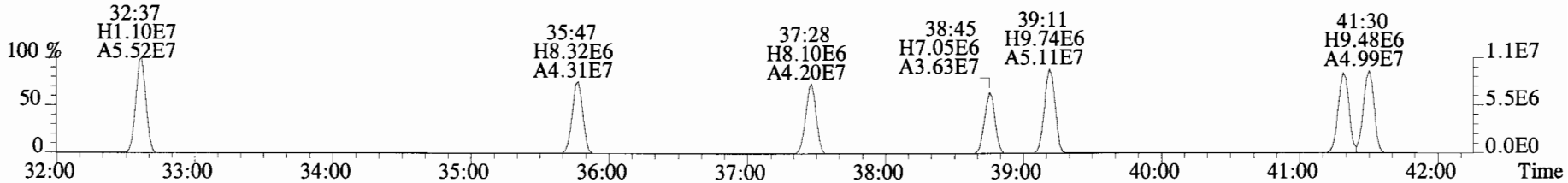

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



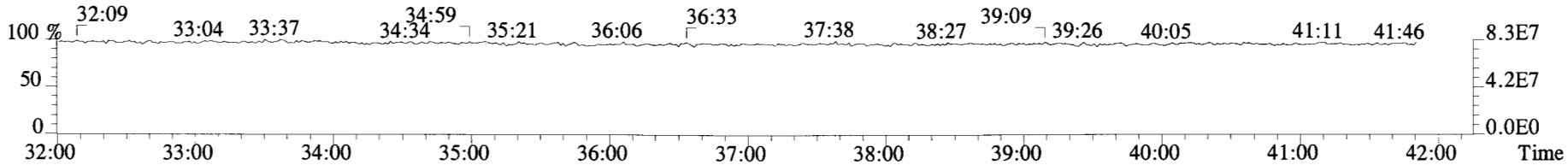

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4520.0,0.00%,F,F)



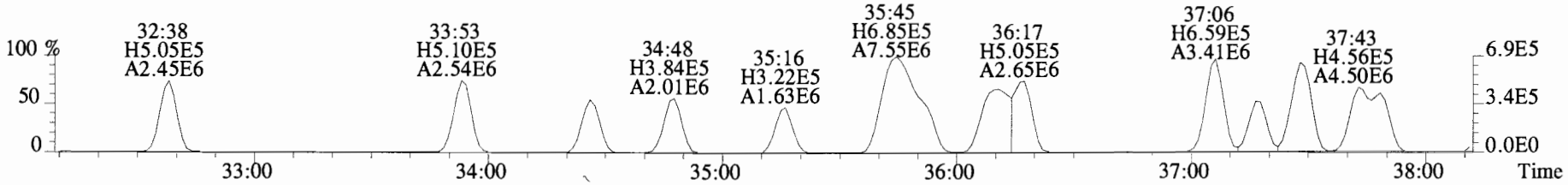

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4420.0,0.00%,F,F)



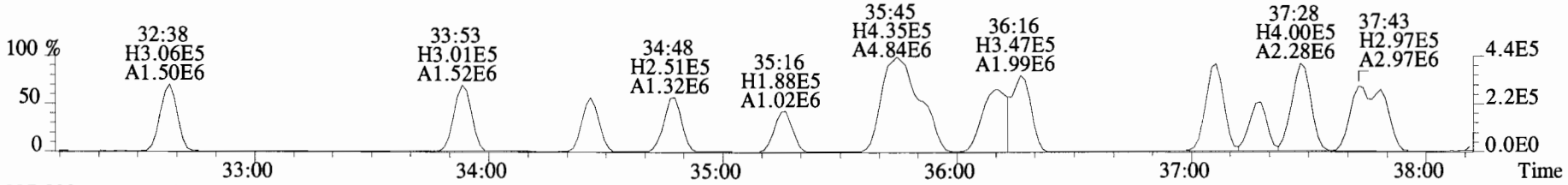

330.9792 S:3 F:3



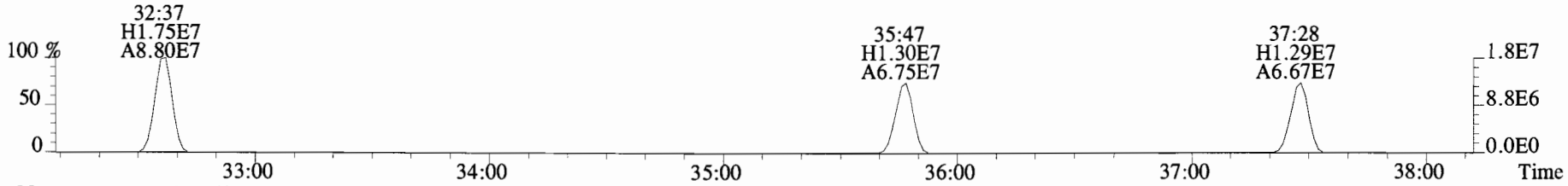
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2084.0,0.00%,F,F)



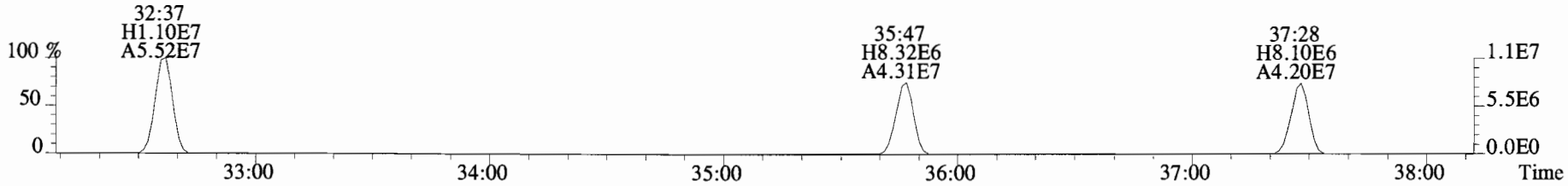

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



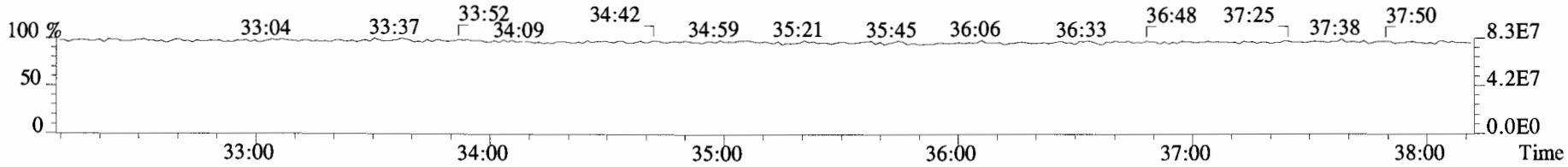

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4520.0,0.00%,F,F)



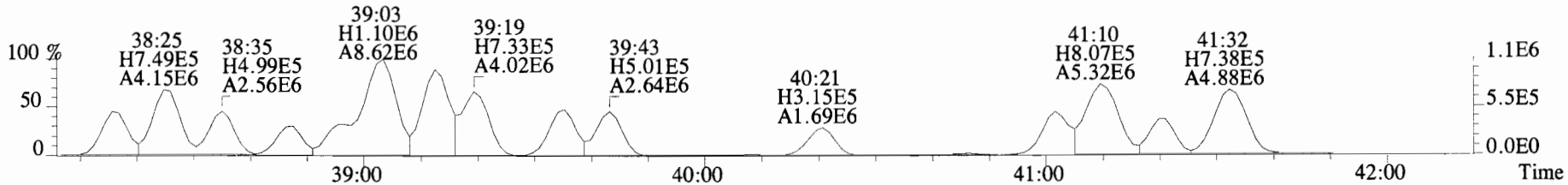

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4420.0,0.00%,F,F)



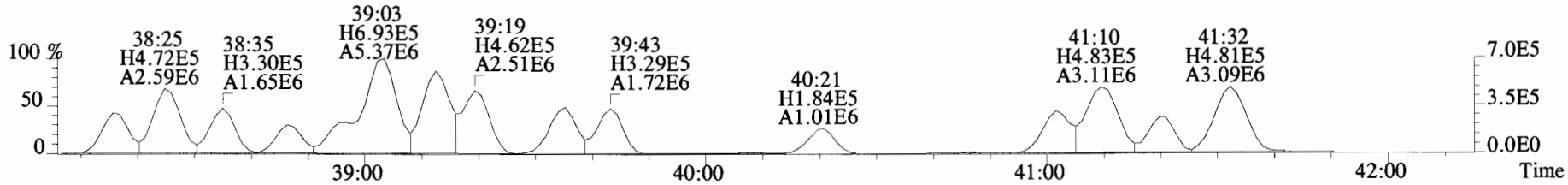

330.9792 S:3 F:3



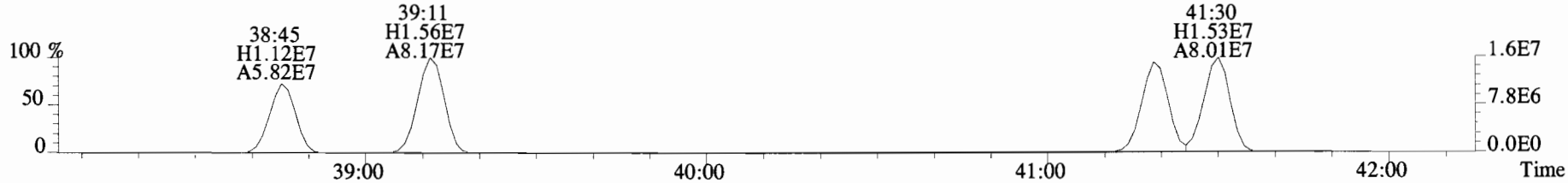
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2084.0,0.00%,F,F)



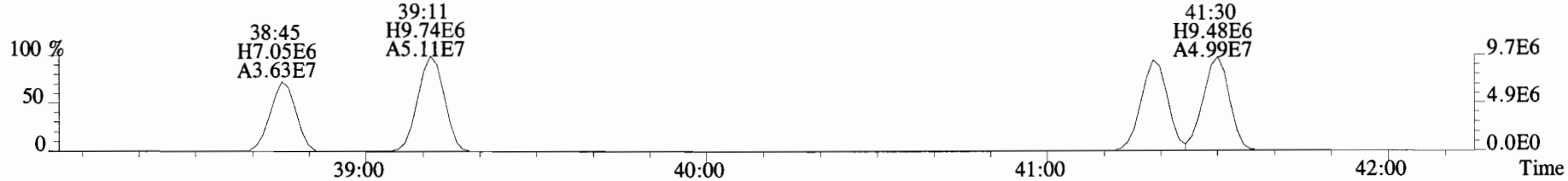

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



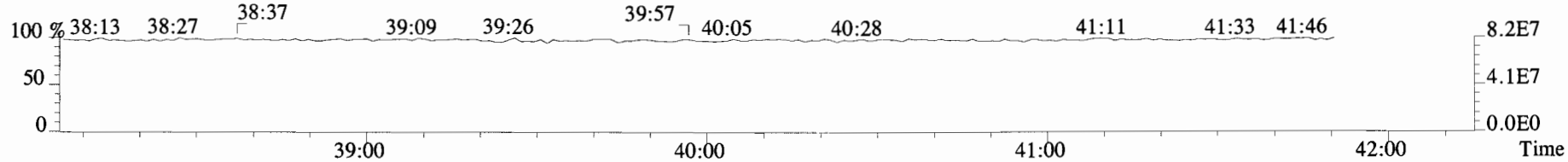

337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4520.0,0.00%,F,F)



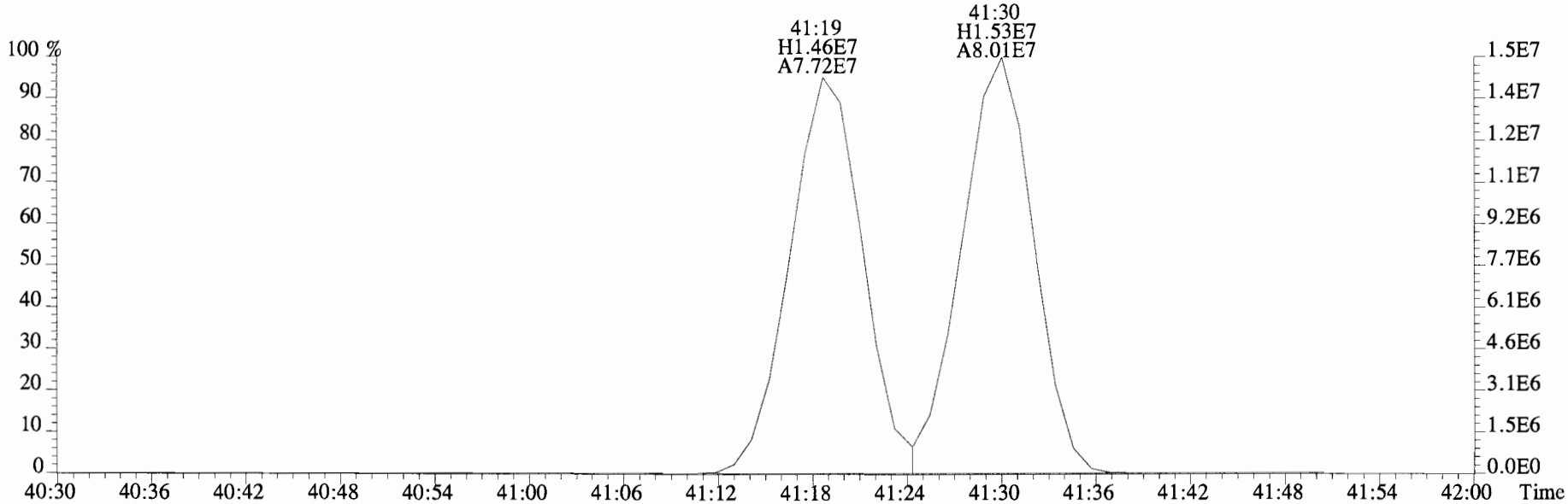

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4420.0,0.00%,F,F)



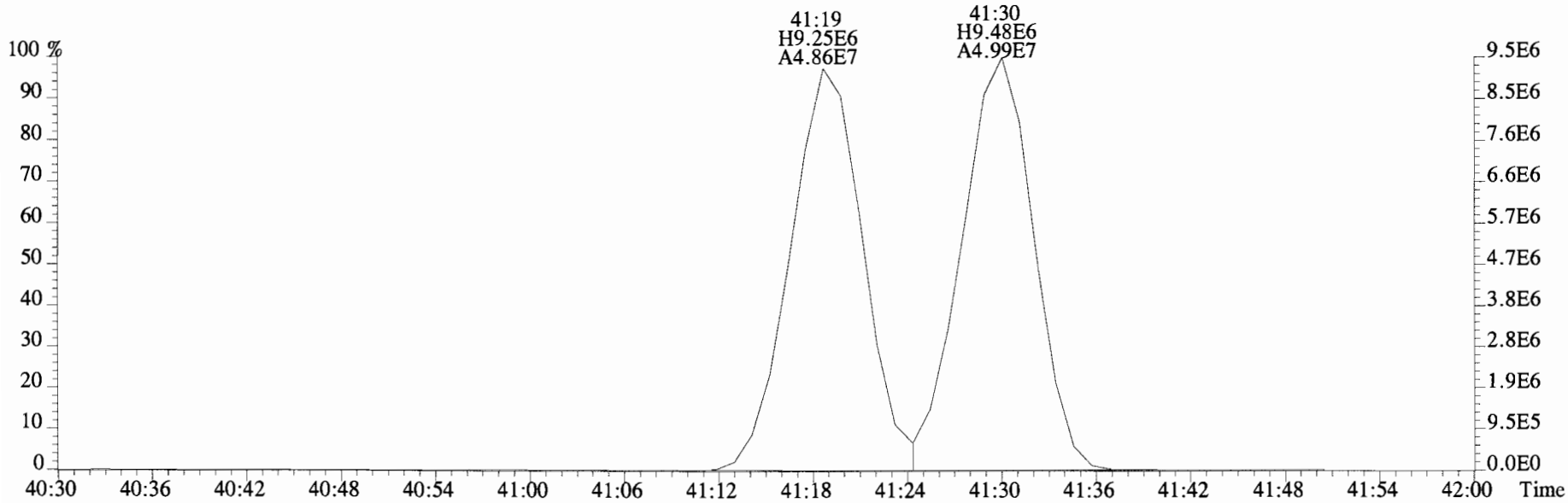

330.9792 S:3 F:3



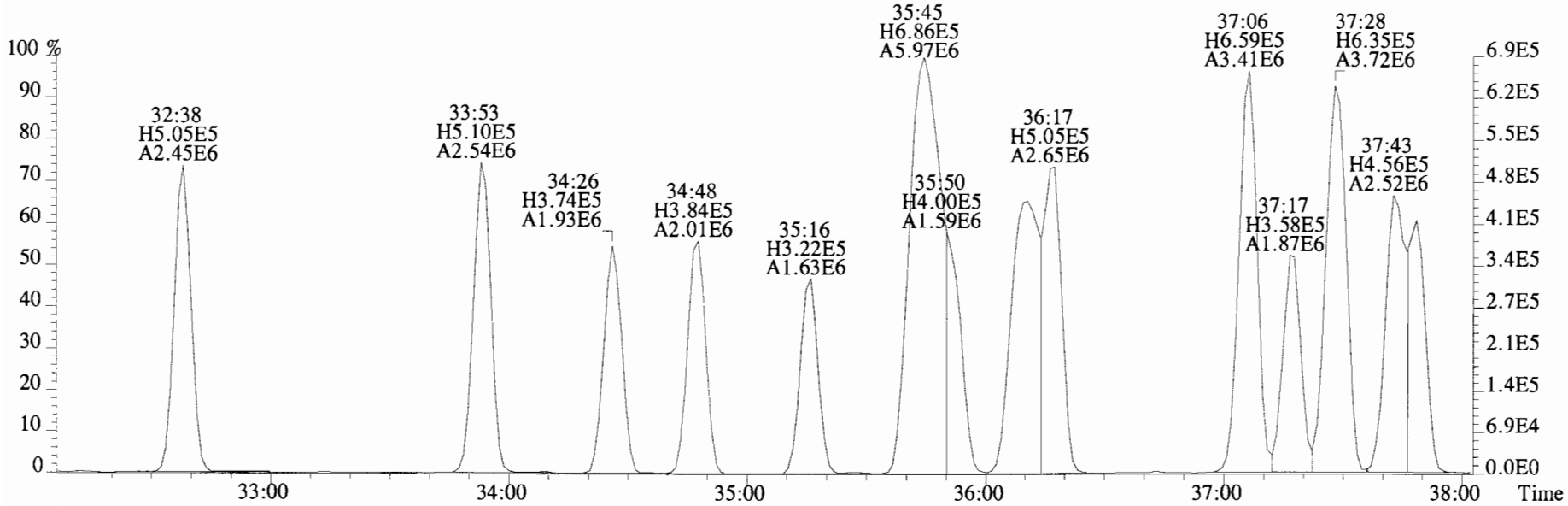
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
337.9207 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4520.0,0.00%,F,F)



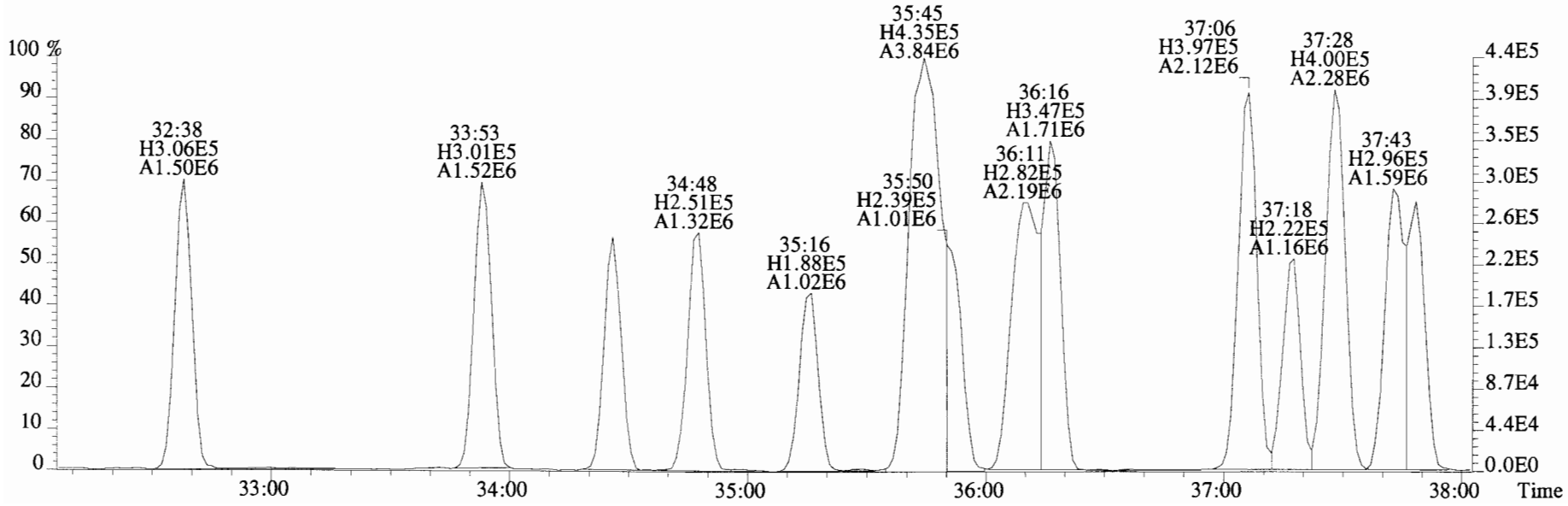

339.9177 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4420.0,0.00%,F,F)



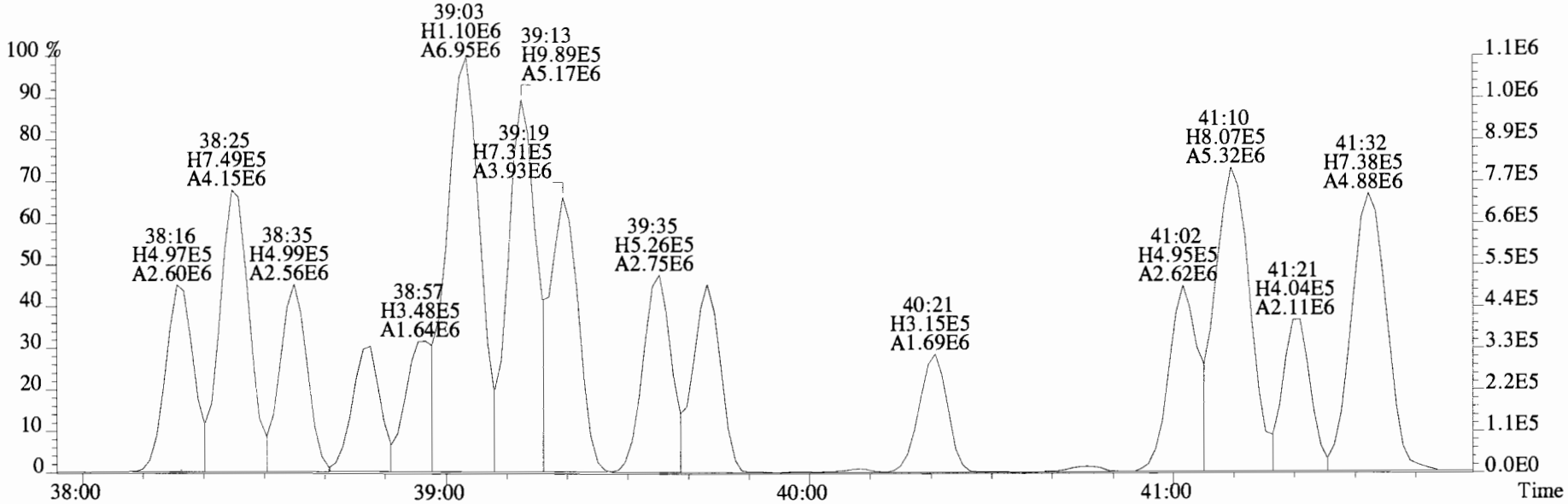
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2084.0,0.00%,F,F)



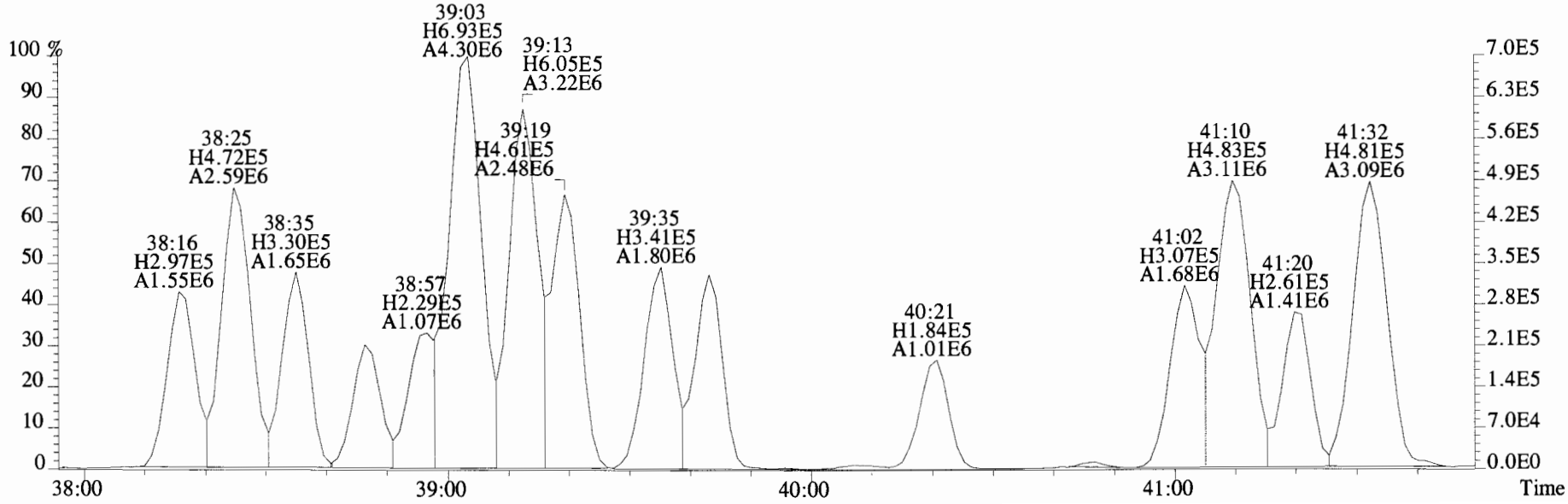

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



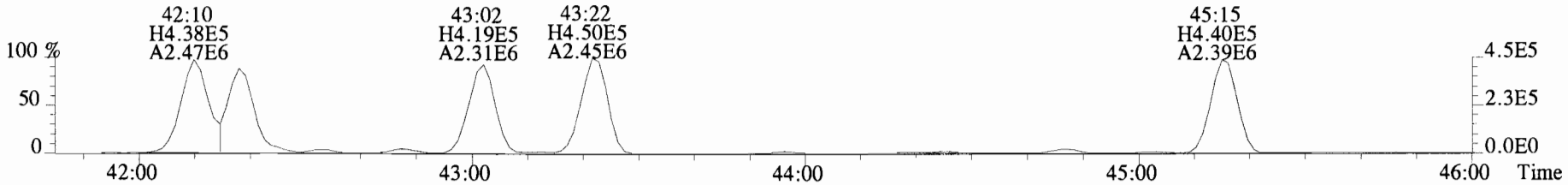
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
325.8804 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2084.0,0.00%,F,F)



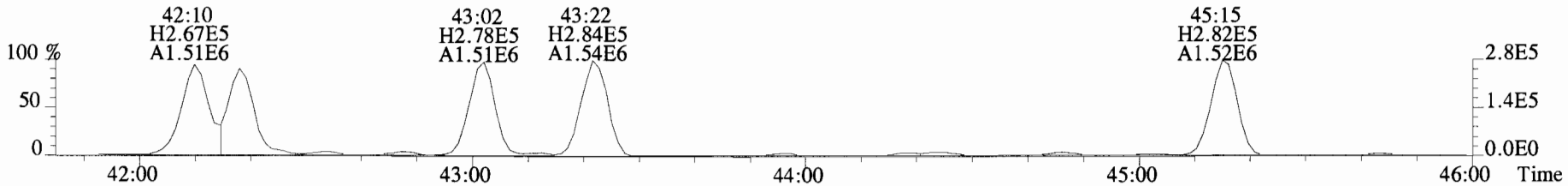

327.8775 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2224.0,0.00%,F,F)



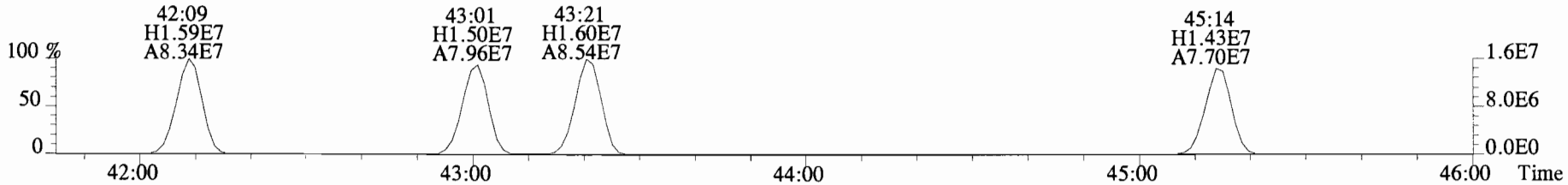
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
325.8804 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2204.0,0.00%,F,F)



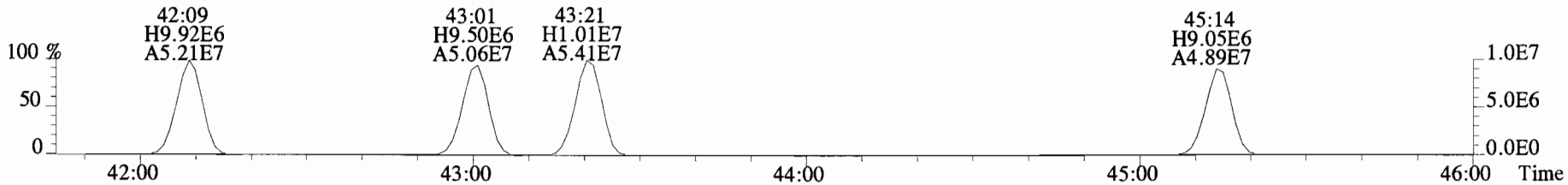

327.8775 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2344.0,0.00%,F,F)



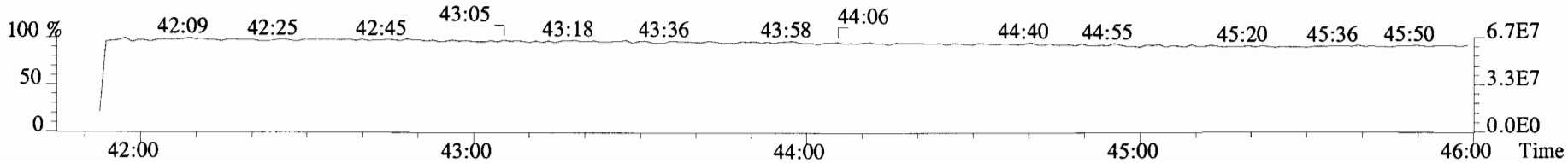

337.9207 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11840.0,0.00%,F,F)



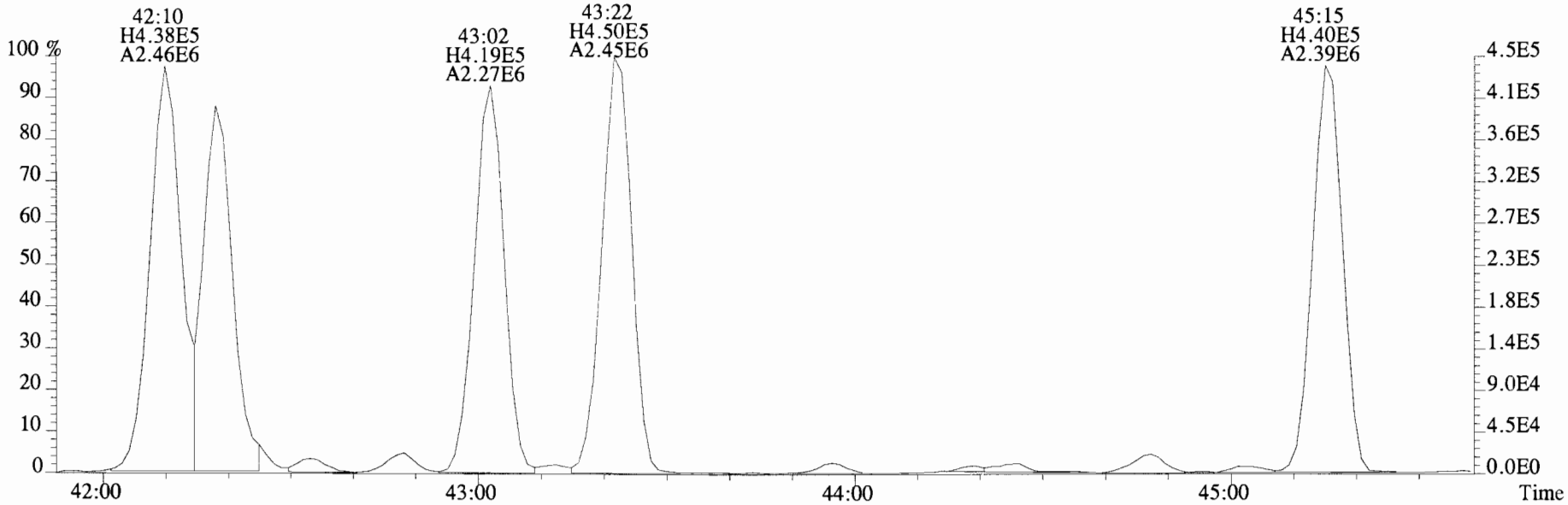

339.9177 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7184.0,0.00%,F,F)



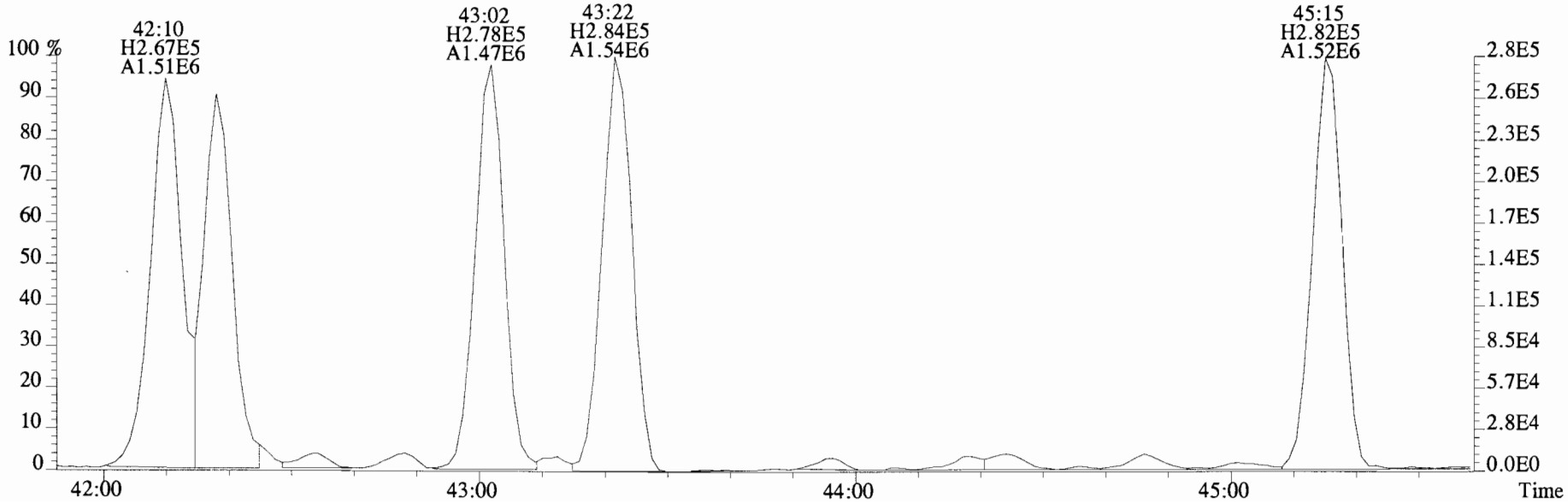

380.9760 S:3 F:4



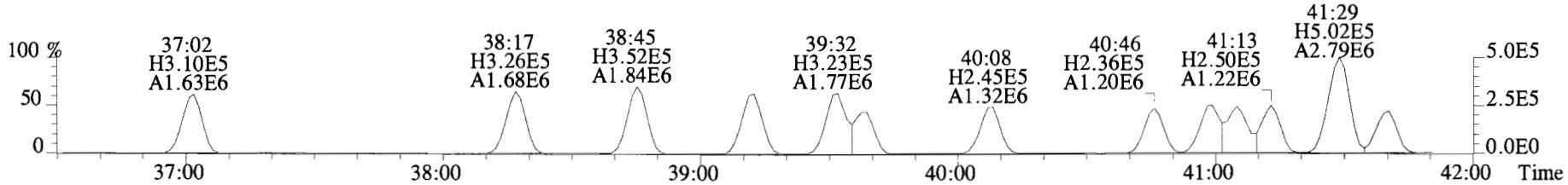
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
325.8804 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0)



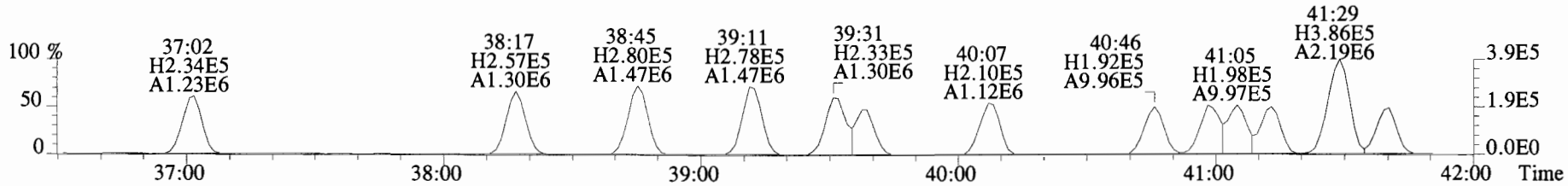

327.8775 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0)



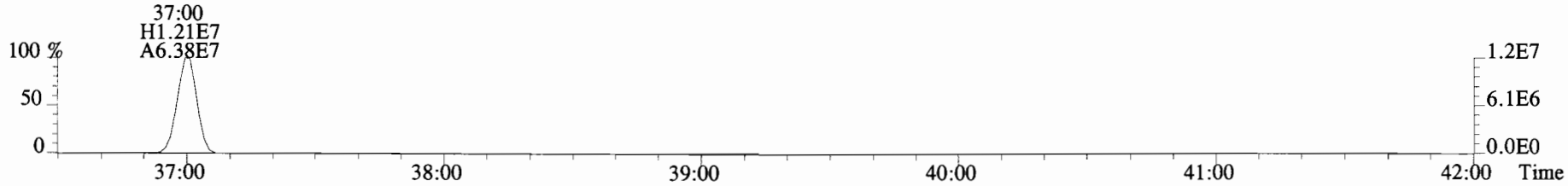
File:180208E1 #1-756 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
359.8415 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2036.0,0.00%,F,F)



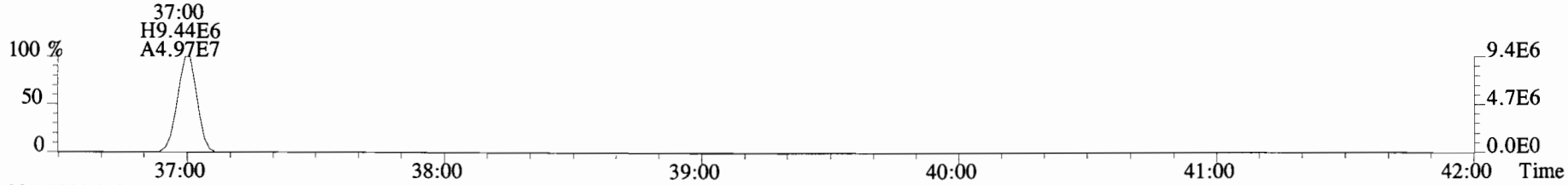

361.8385 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1896.0,0.00%,F,F)



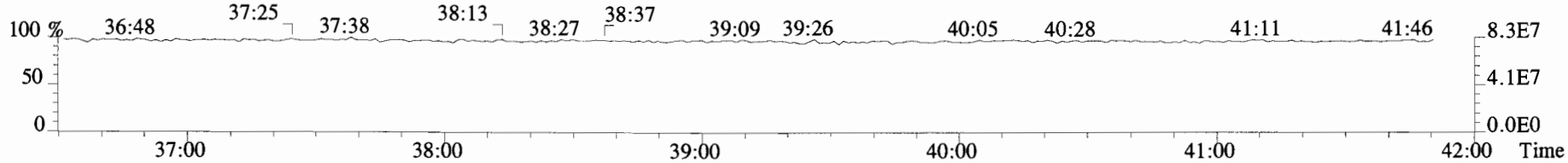

371.8817 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2324.0,0.00%,F,F)



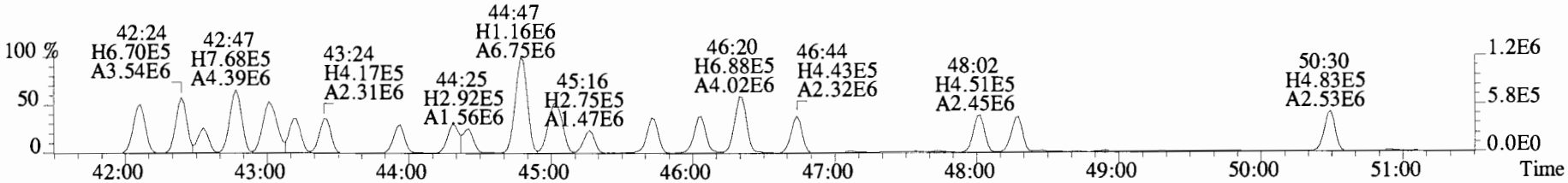

373.8788 S:3 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2612.0,0.00%,F,F)



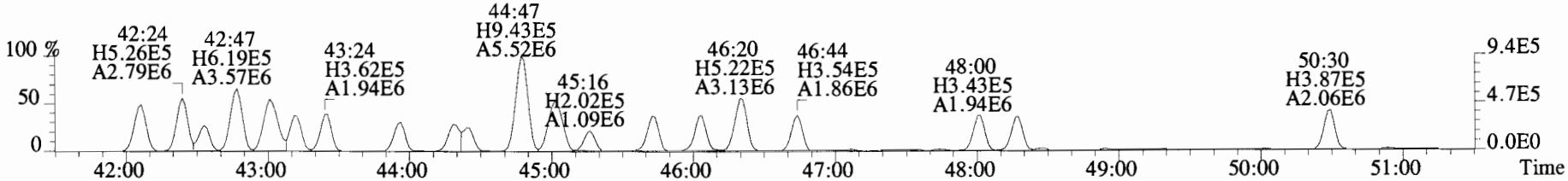

330.9792 S:3 F:3



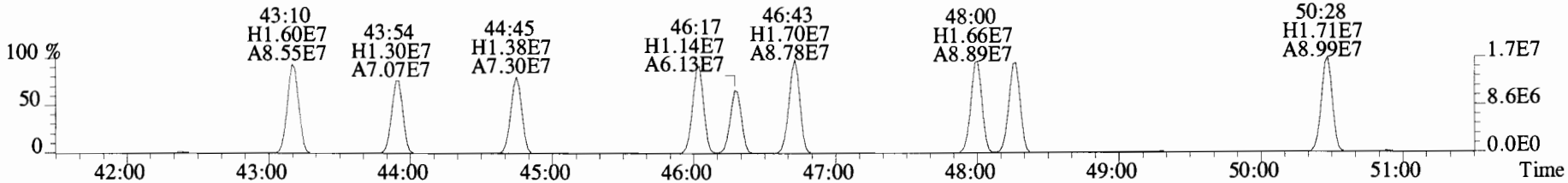
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3508.0,0.00%,F,F)



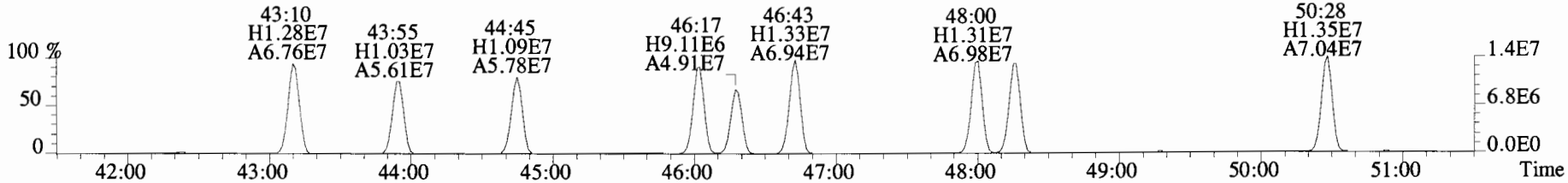

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3712.0,0.00%,F,F)



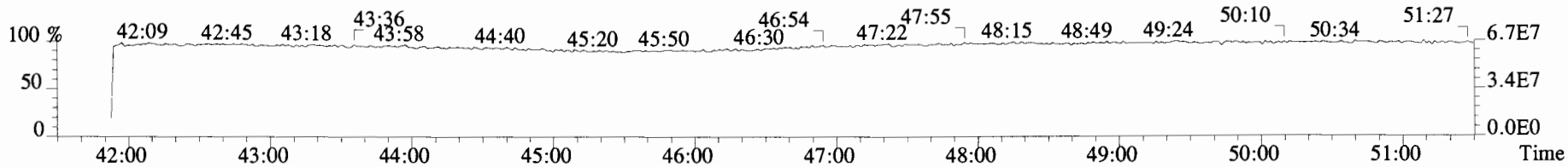

371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19604.0,0.00%,F,F)



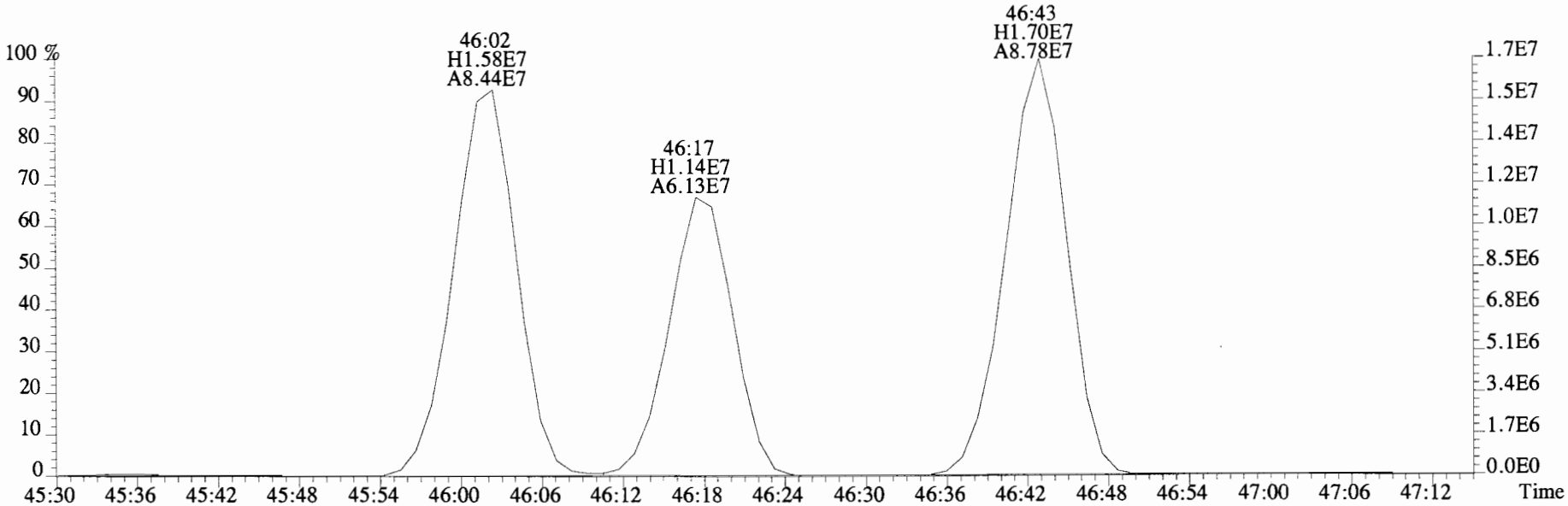

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19252.0,0.00%,F,F)



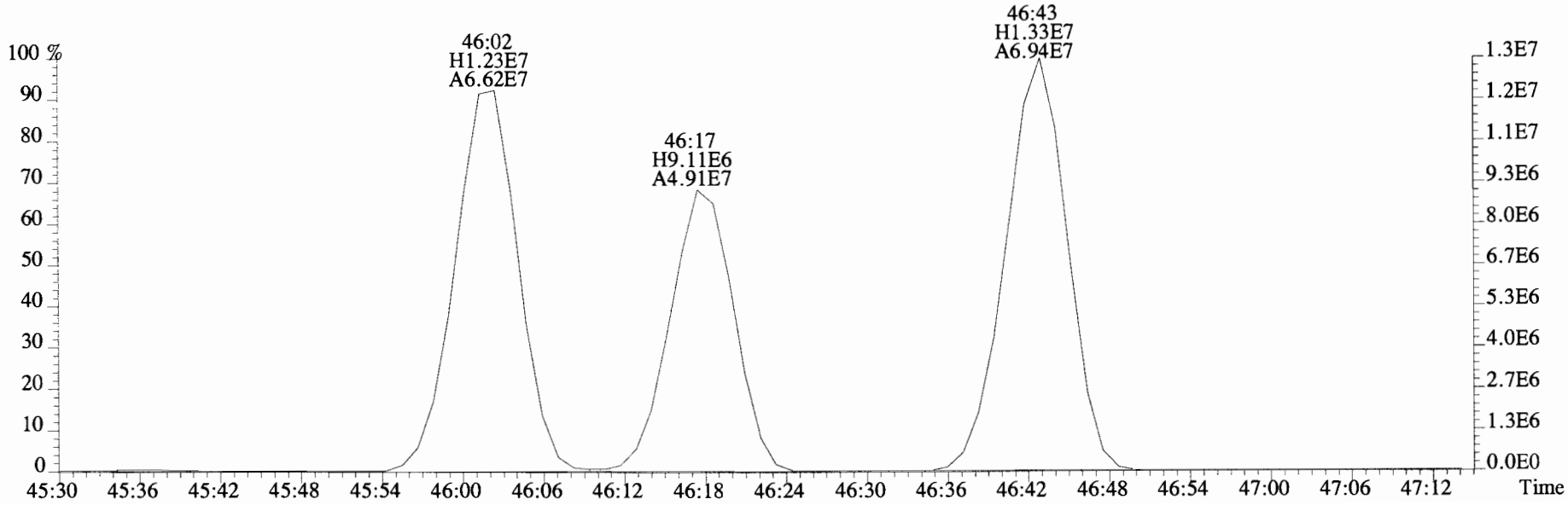

380.9760 S:3 F:4



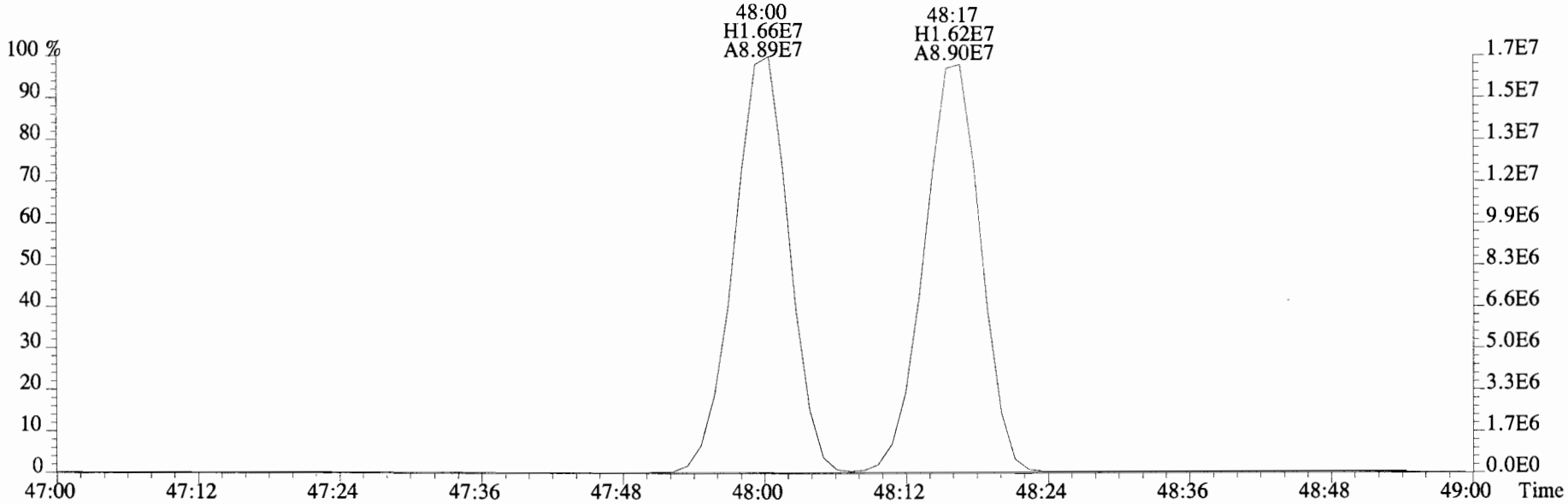
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19604.0,0.00%,F,F)



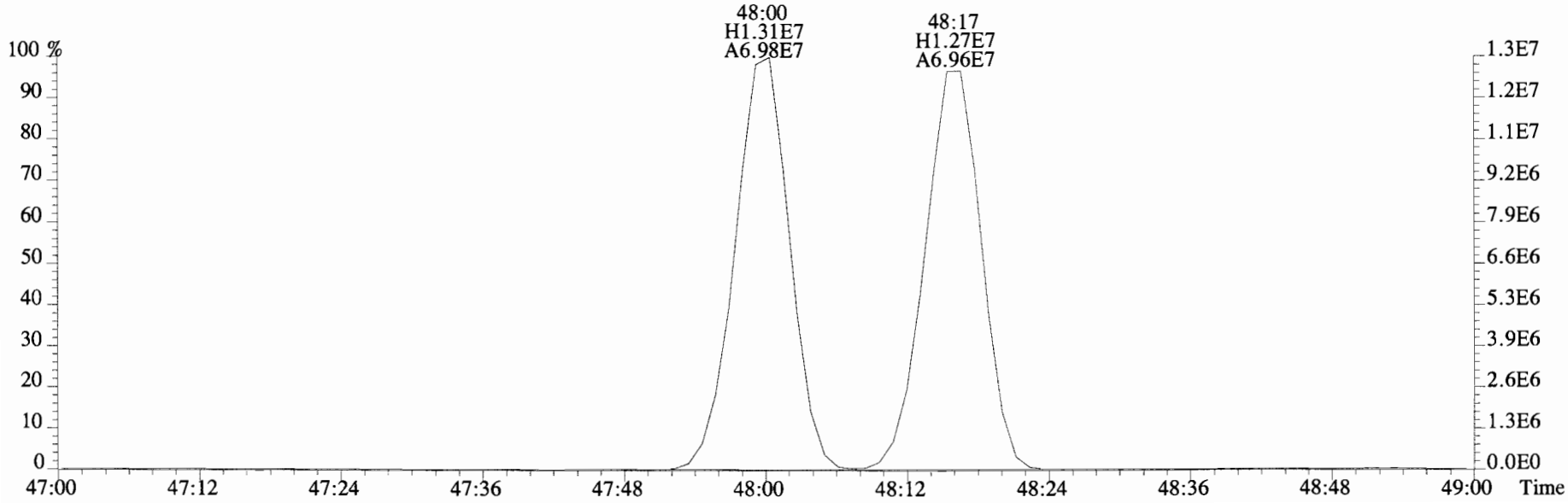

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19252.0,0.00%,F,F)



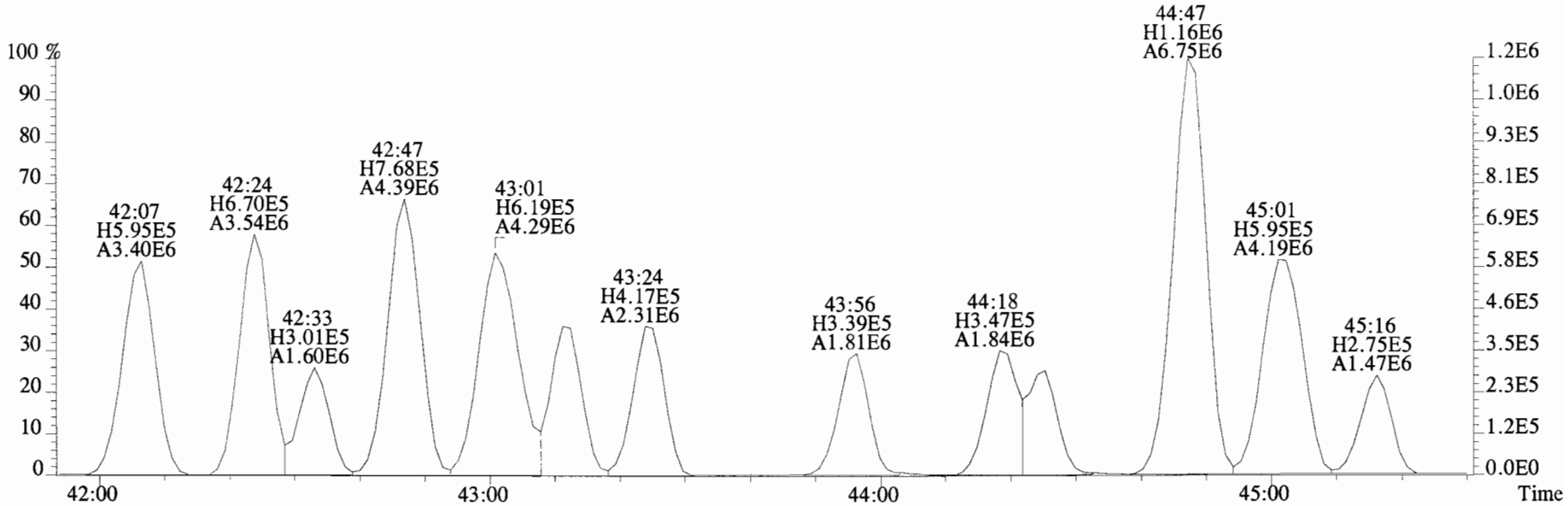
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
371.8817 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19604.0,0.00%,F,F)



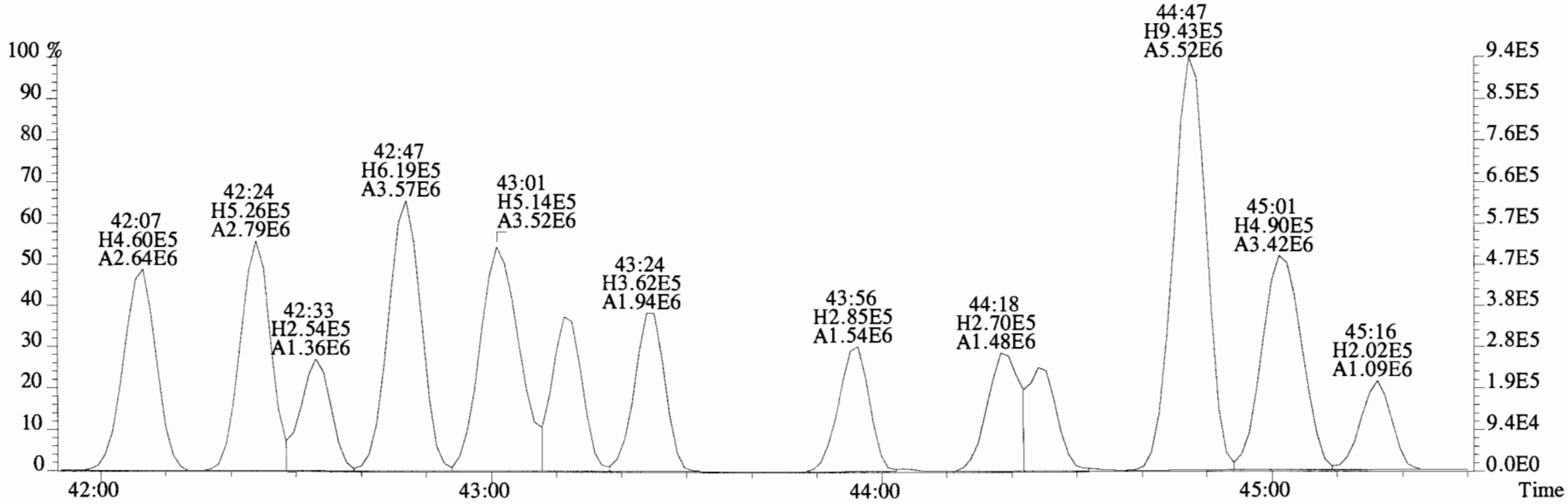

373.8788 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19252.0,0.00%,F,F)



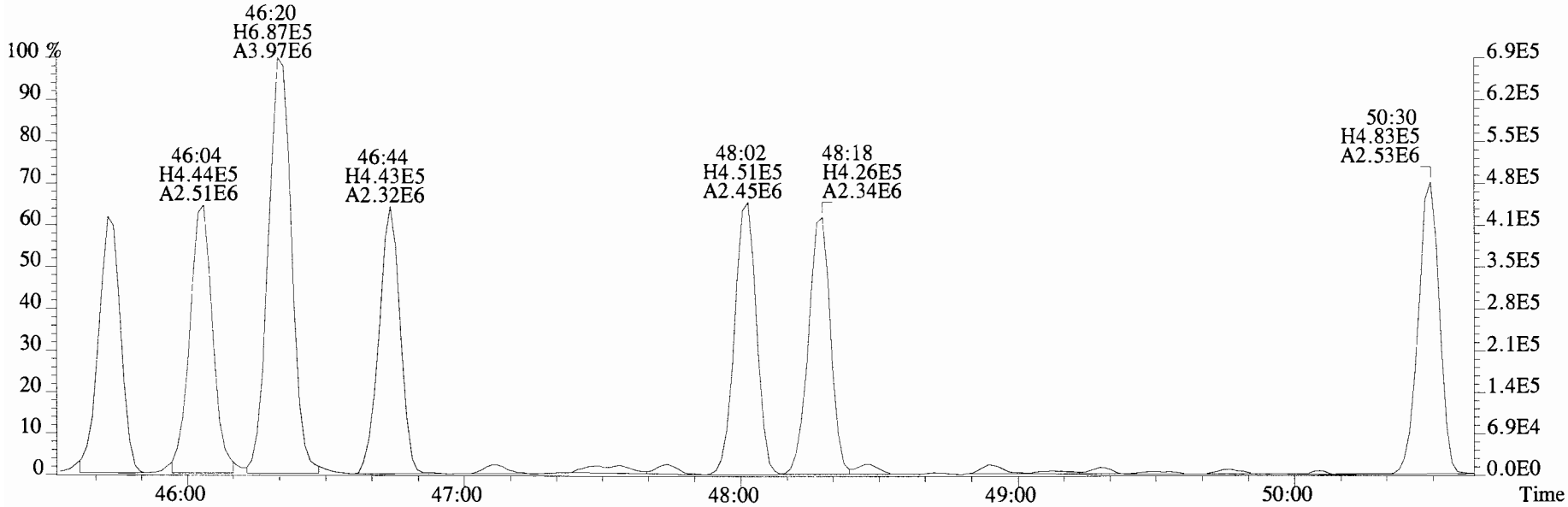
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3508.0,0.00%,F,F)



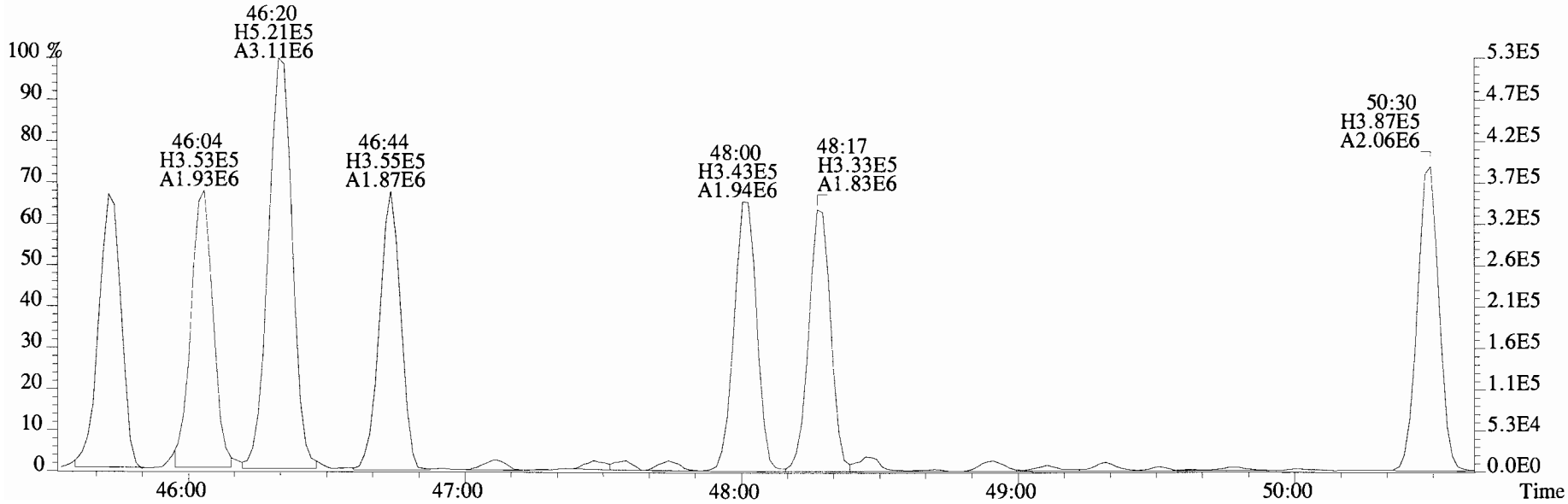

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3712.0,0.00%,F,F)



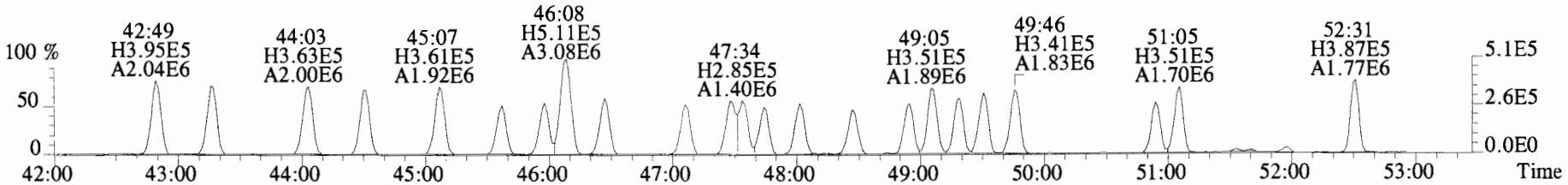
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
359.8415 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3508.0,0.00%,F,F)



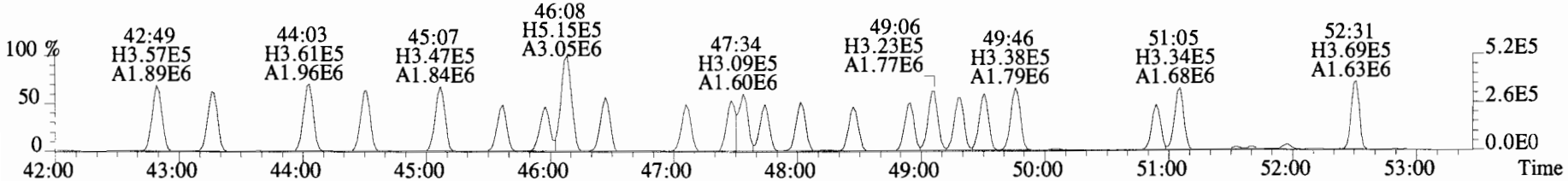

361.8385 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3712.0,0.00%,F,F)



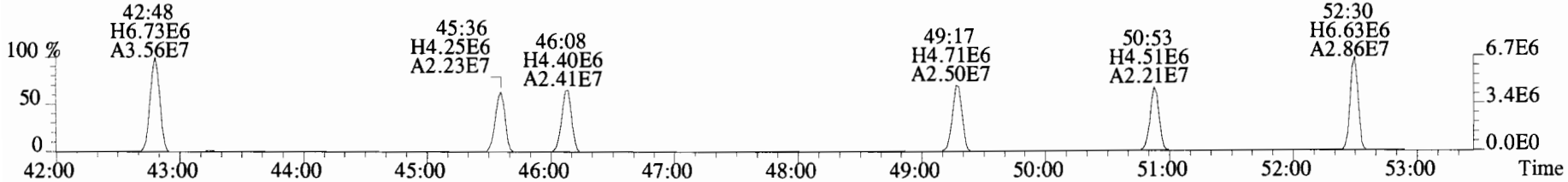
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
393.8025 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3968.0,0.00%,F,F)



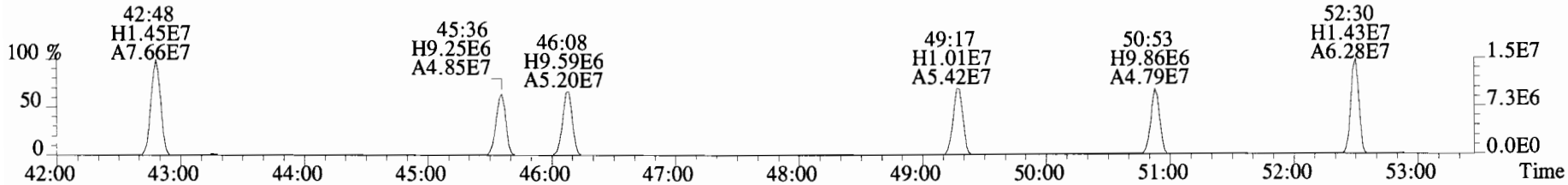

395.7995 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3332.0,0.00%,F,F)



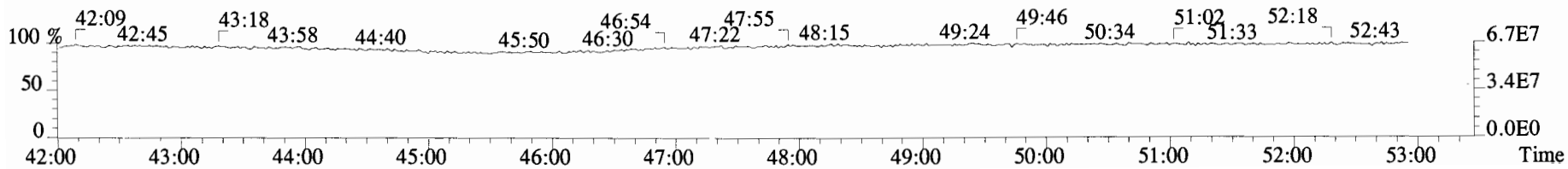

403.8457 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8740.0,0.00%,F,F)



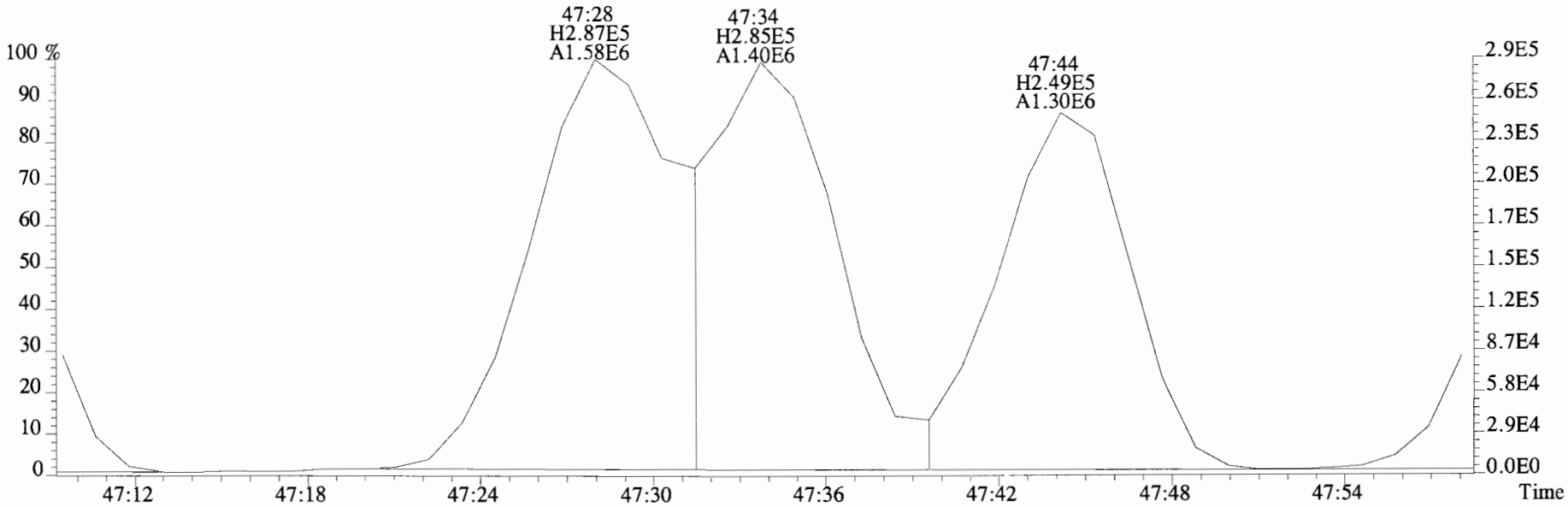

405.8428 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16048.0,0.00%,F,F)



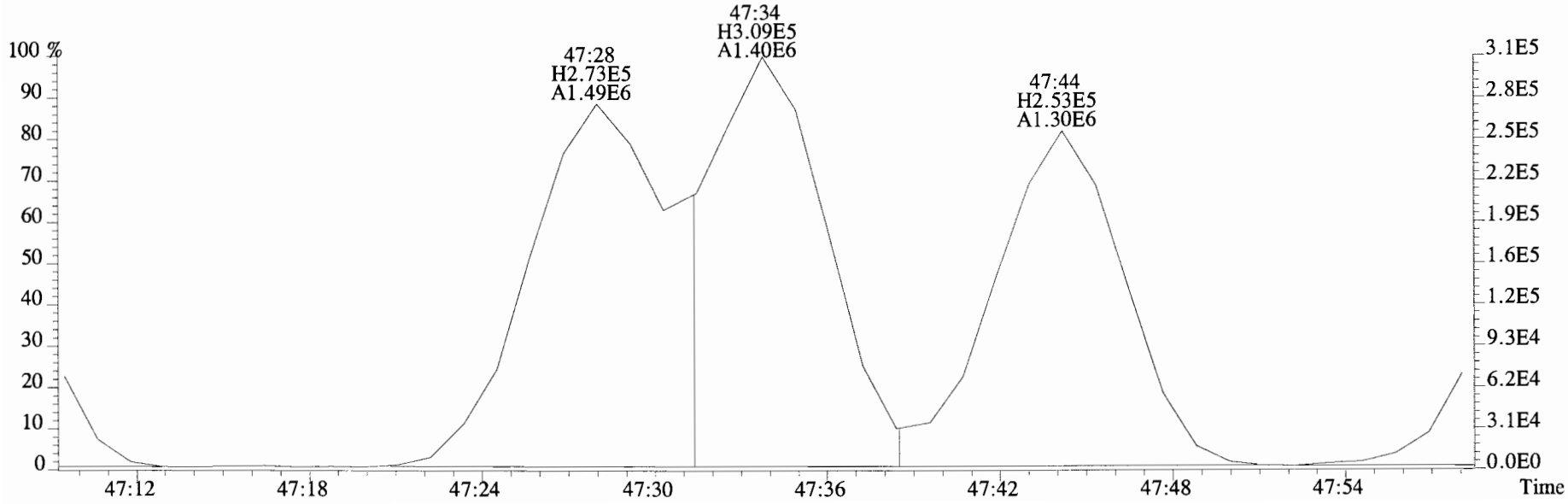

380.9760 S:3 F:4



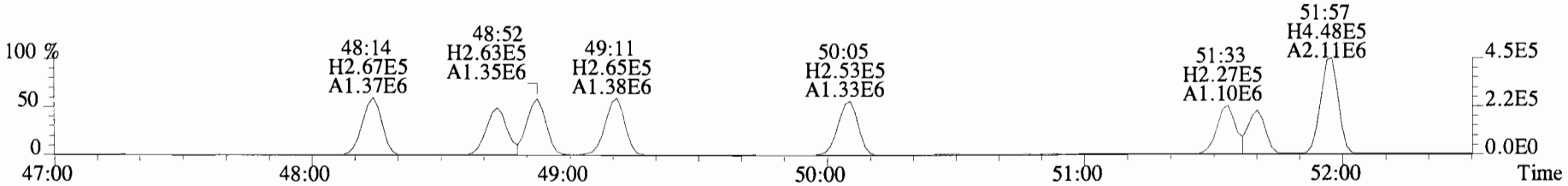
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
393.8025 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3968.0,0.00%,F,F)



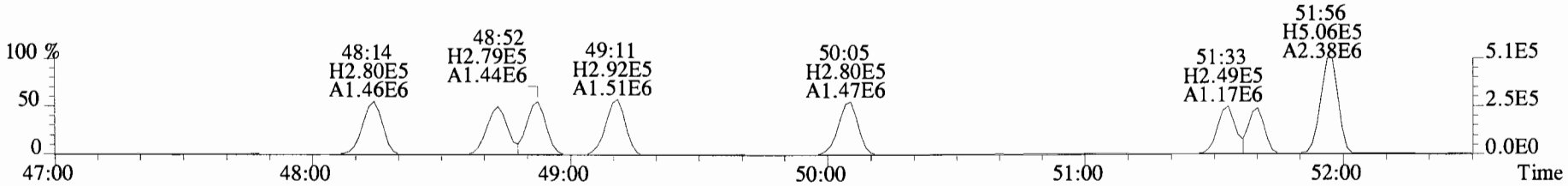

395.7995 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3332.0,0.00%,F,F)



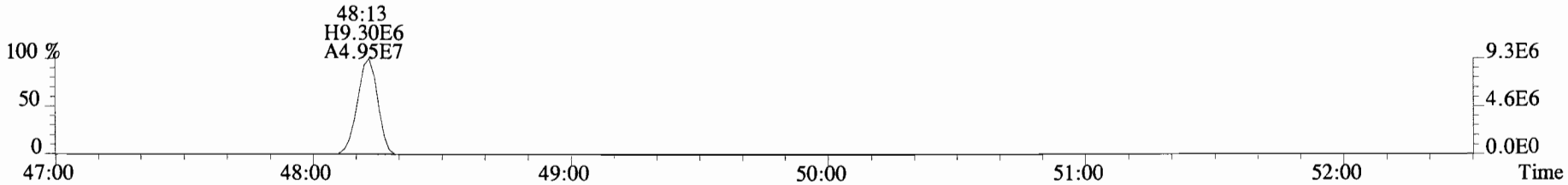
File:180208E1 #1-574 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
427.7635 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1588.0,0.00%,F,F)



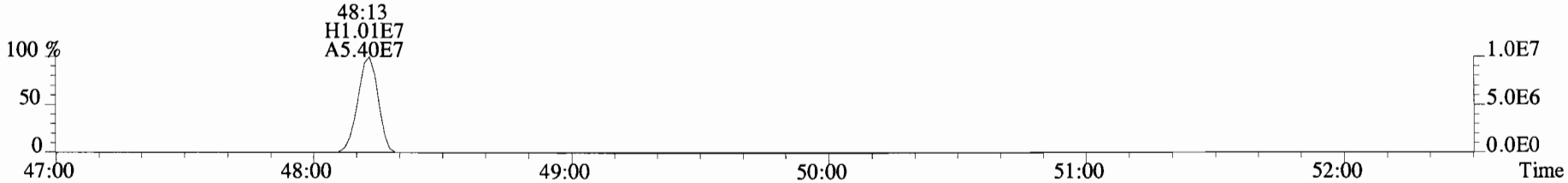

429.7606 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1940.0,0.00%,F,F)



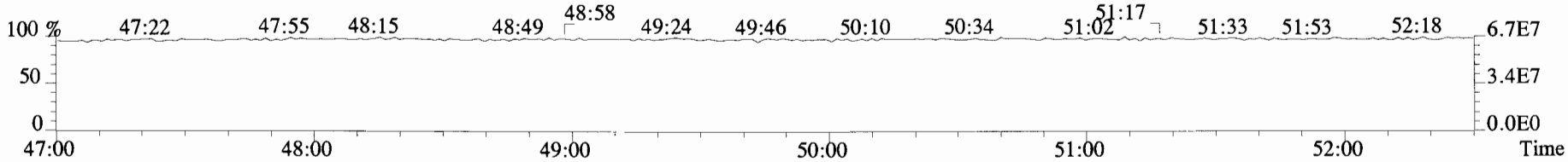

439.8038 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1756.0,0.00%,F,F)



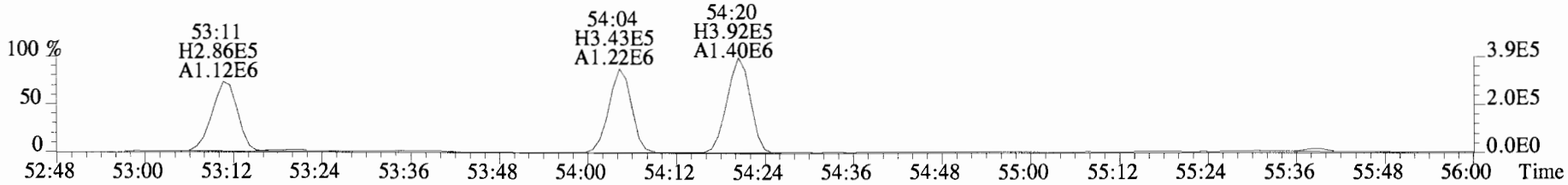

441.8008 S:3 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1596.0,0.00%,F,F)



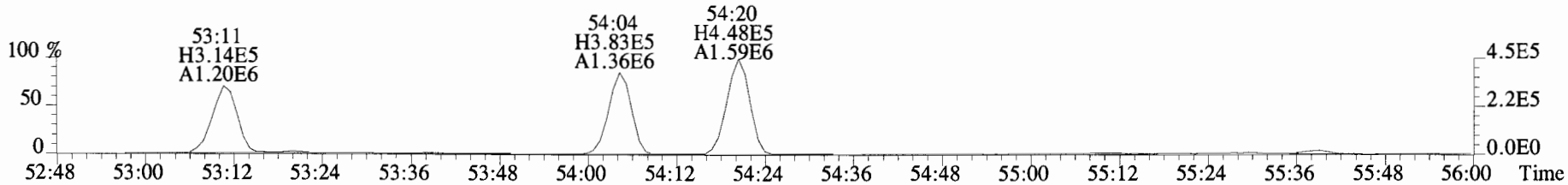

380.9760 S:3 F:4



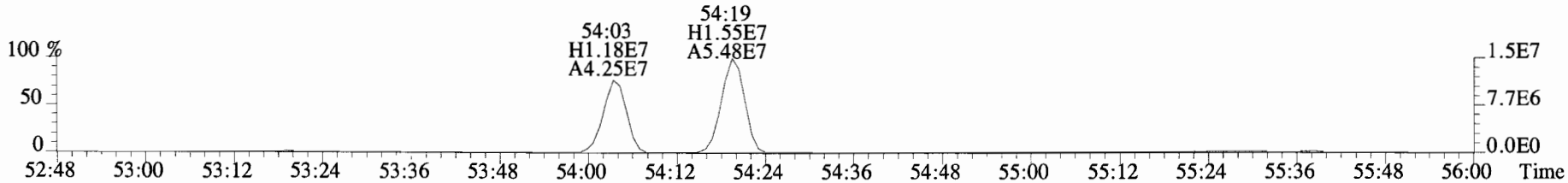
File:180208E1 #1-407 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
427.7635 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2236.0,0.00%,F,F)



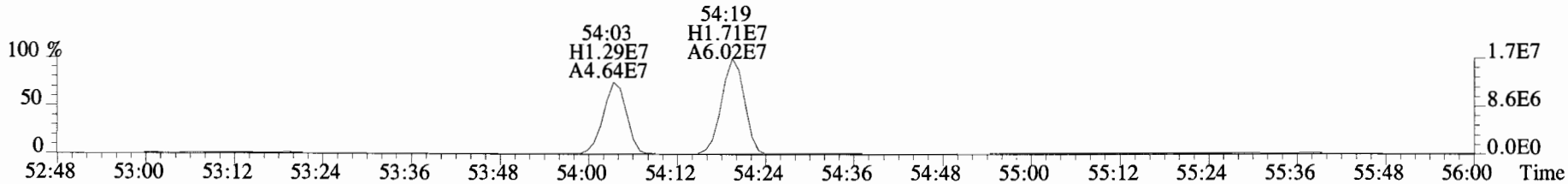

429.7606 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2516.0,0.00%,F,F)



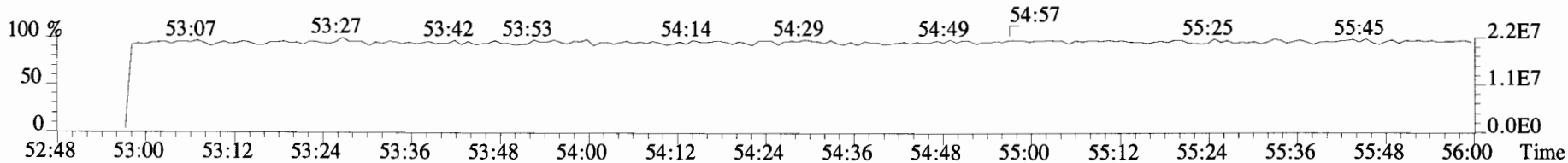

439.8038 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10060.0,0.00%,F,F)



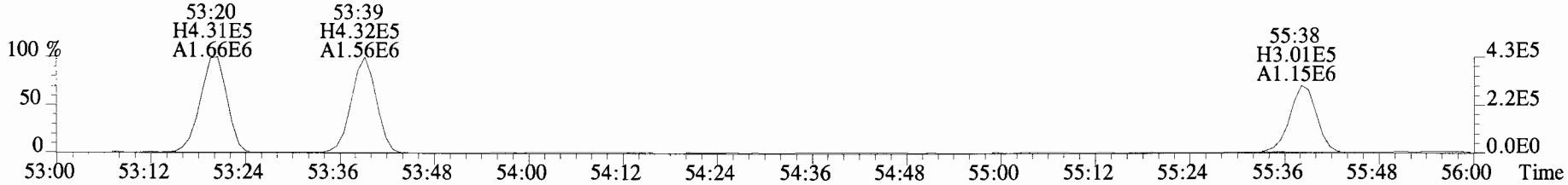

441.8008 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9996.0,0.00%,F,F)



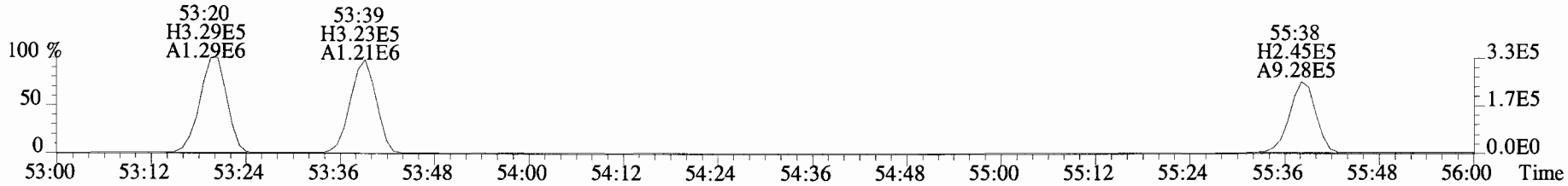

492.9697 S:3 F:5



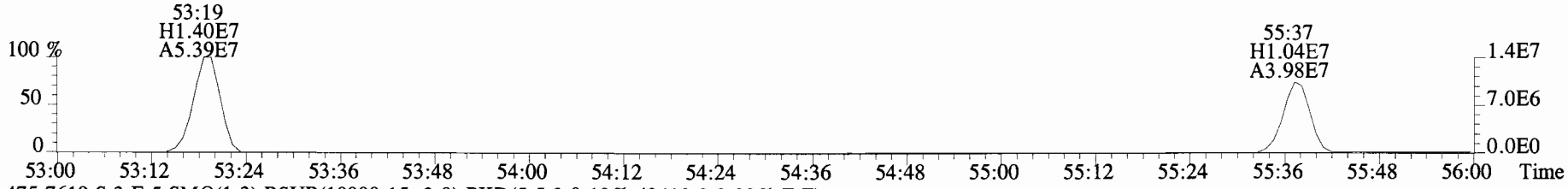
File:180208E1 #1-407 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
463.7216 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1728.0,0.00%,F,F)



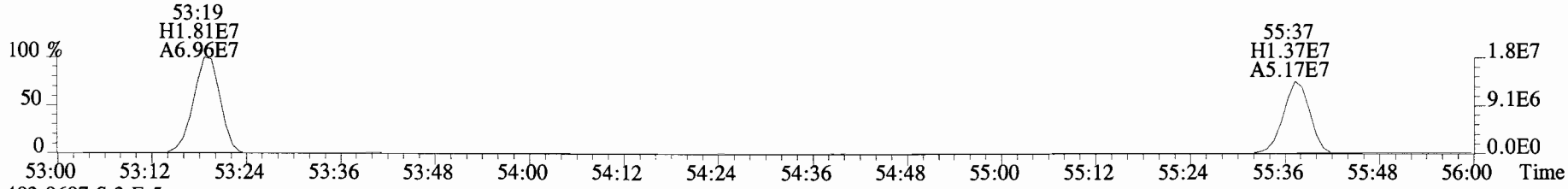

465.7186 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1820.0,0.00%,F,F)



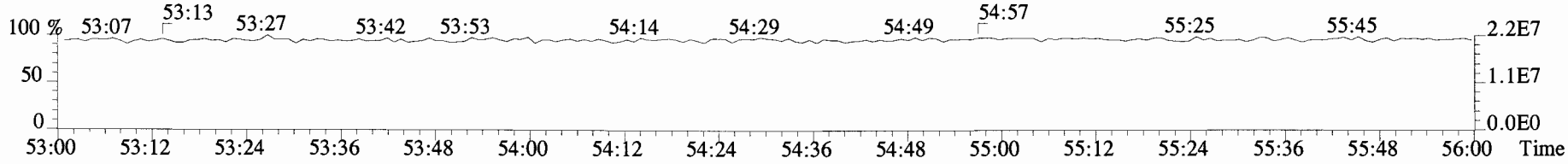

473.7648 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35008.0,0.00%,F,F)



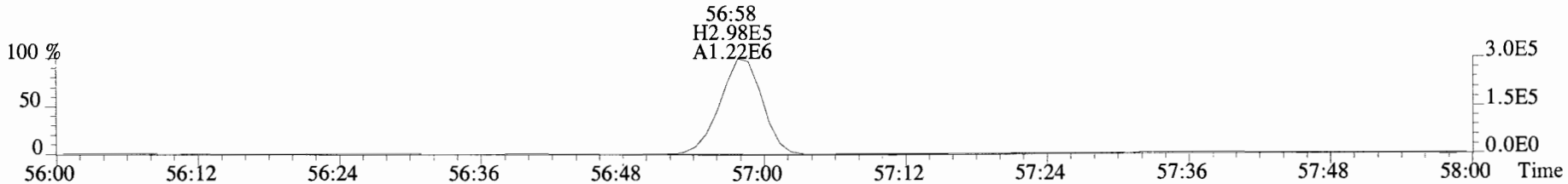

475.7619 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43412.0,0.00%,F,F)



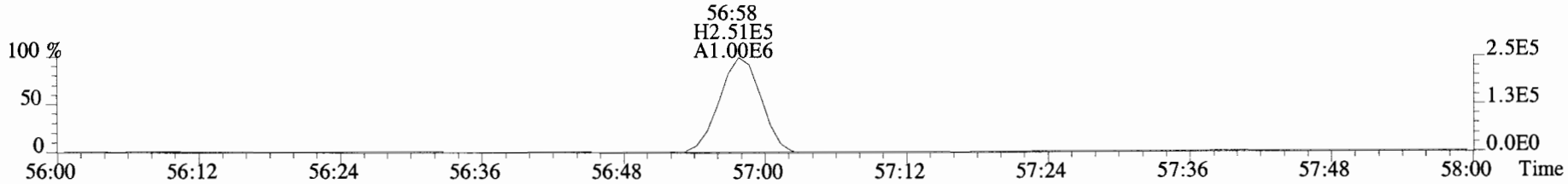

492.9697 S:3 F:5



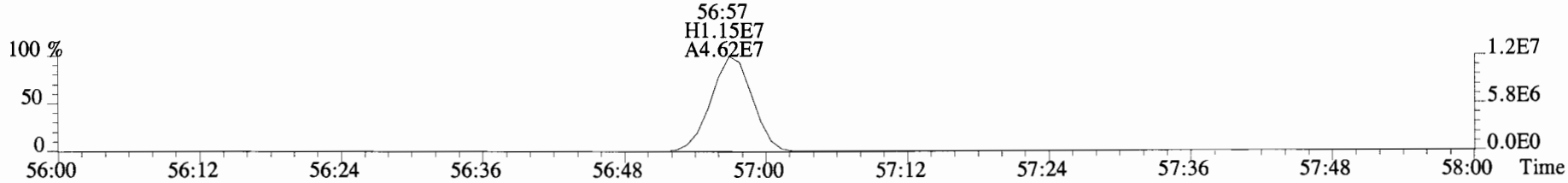
File:180208E1 #1-407 Acq: 8-FEB-2018 10:44:54 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-3 PCB CS2 17L3005 Exp:PCB_ZB1
497.6826 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1484.0,0.00%,F,F)



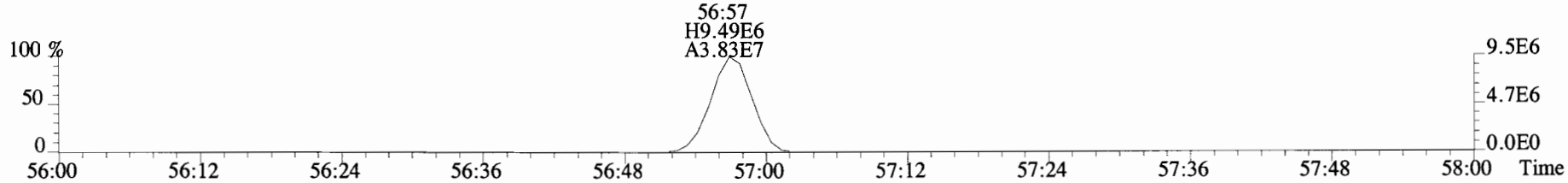

499.6797 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1468.0,0.00%,F,F)



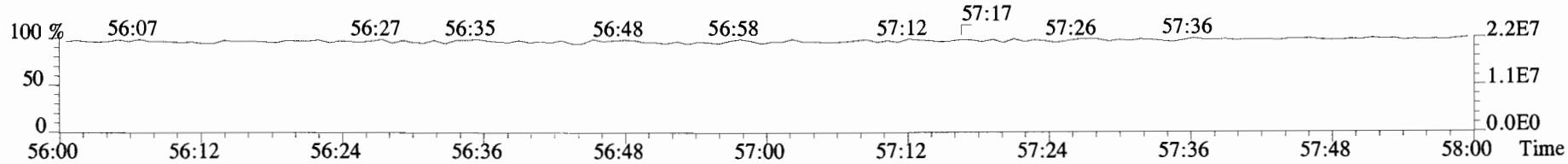

509.7229 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1660.0,0.00%,F,F)



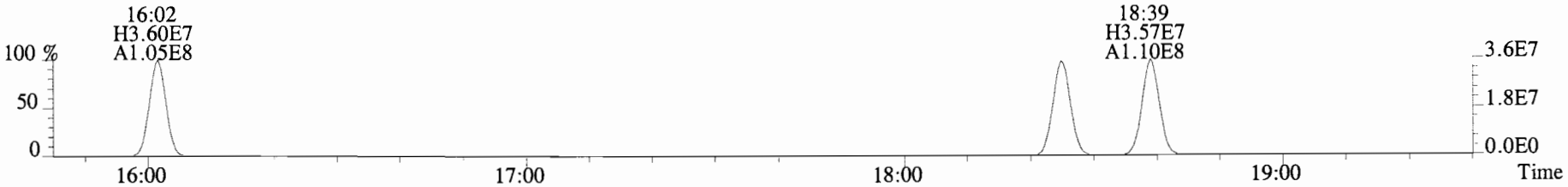

511.7199 S:3 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1916.0,0.00%,F,F)



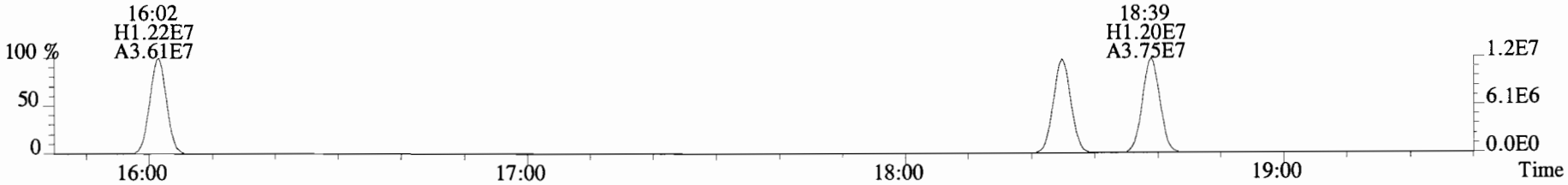

492.9697 S:3 F:5



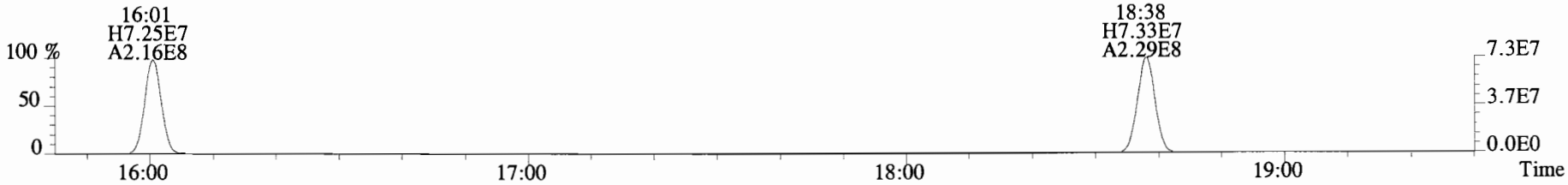
File:180208E1 #1-867 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
188.0393 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5568.0,0.00%,F,F)



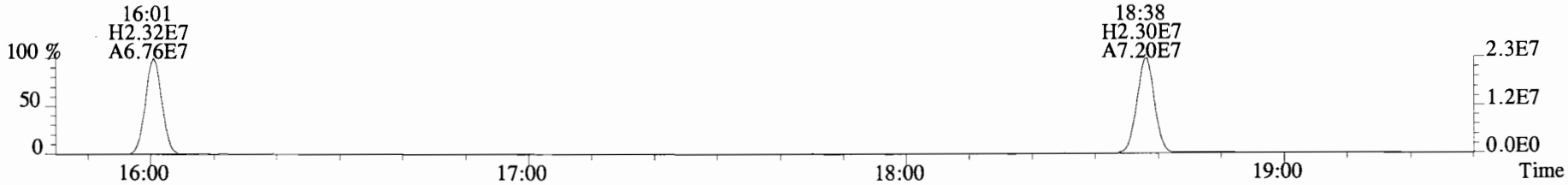

190.0363 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4976.0,0.00%,F,F)



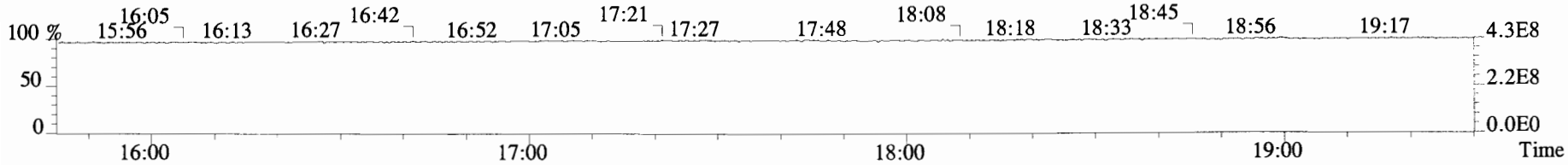

200.0795 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7008.0,0.00%,F,F)



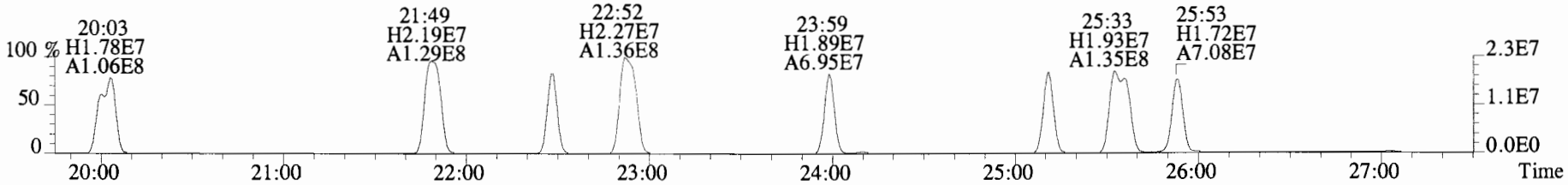

202.0766 S:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,45624.0,0.00%,F,F)



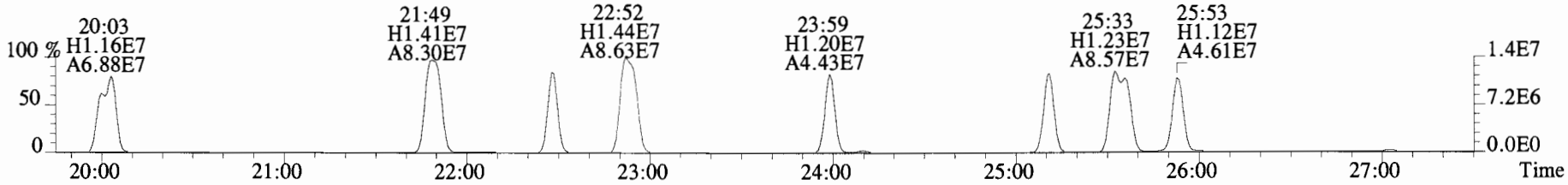

180.9880 S:4



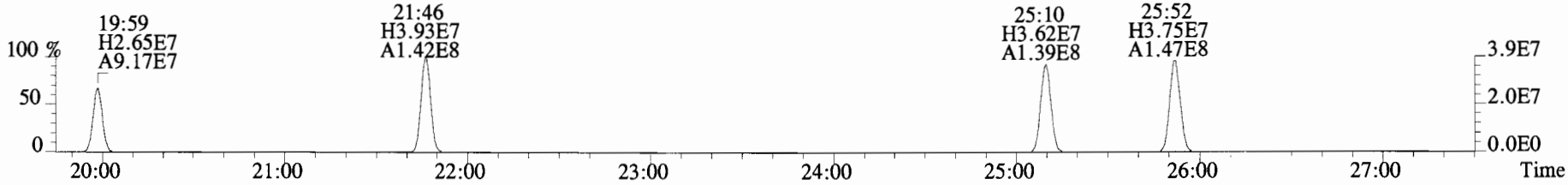
File:180208E1 #1-757 Acq: 8-FEB-2018 11:50:02 GC El+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
222.0003 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6820.0,0.00%,F,F)



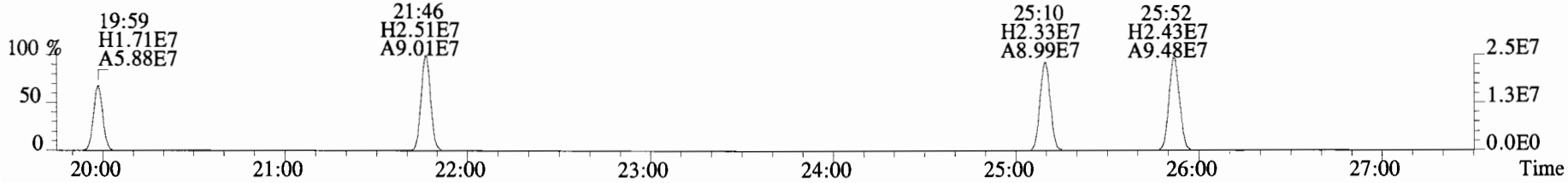

223.9974 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16192.0,0.00%,F,F)



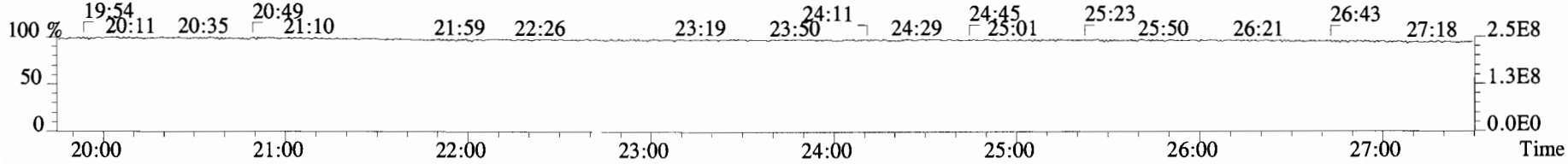

234.0406 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7028.0,0.00%,F,F)



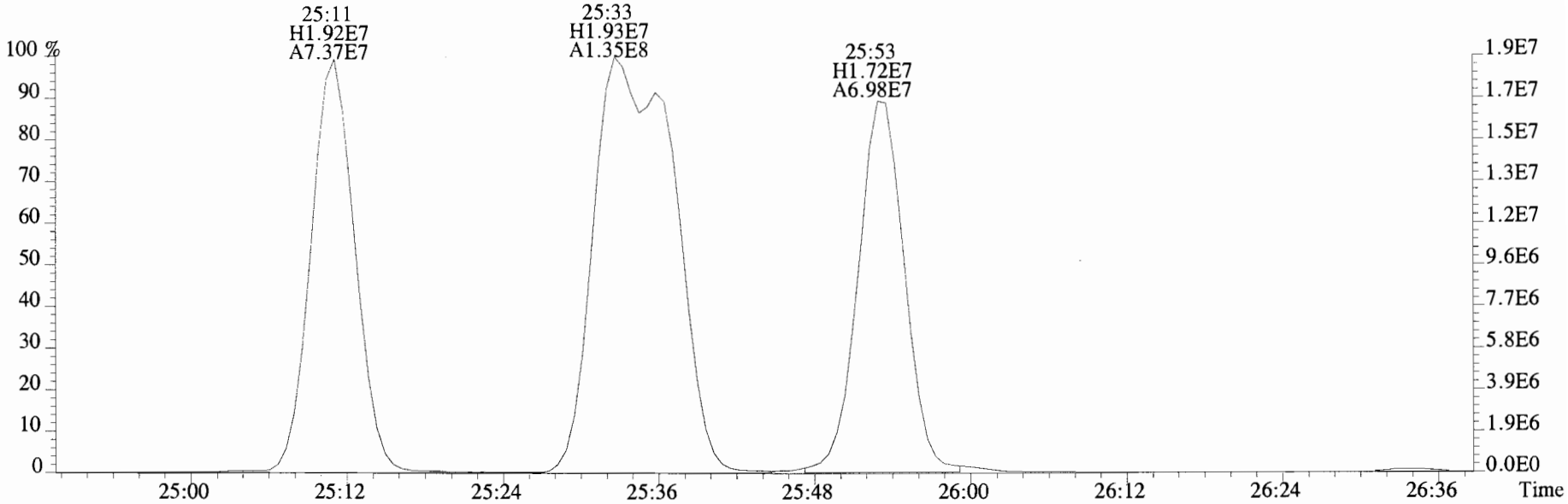

236.0376 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4744.0,0.00%,F,F)



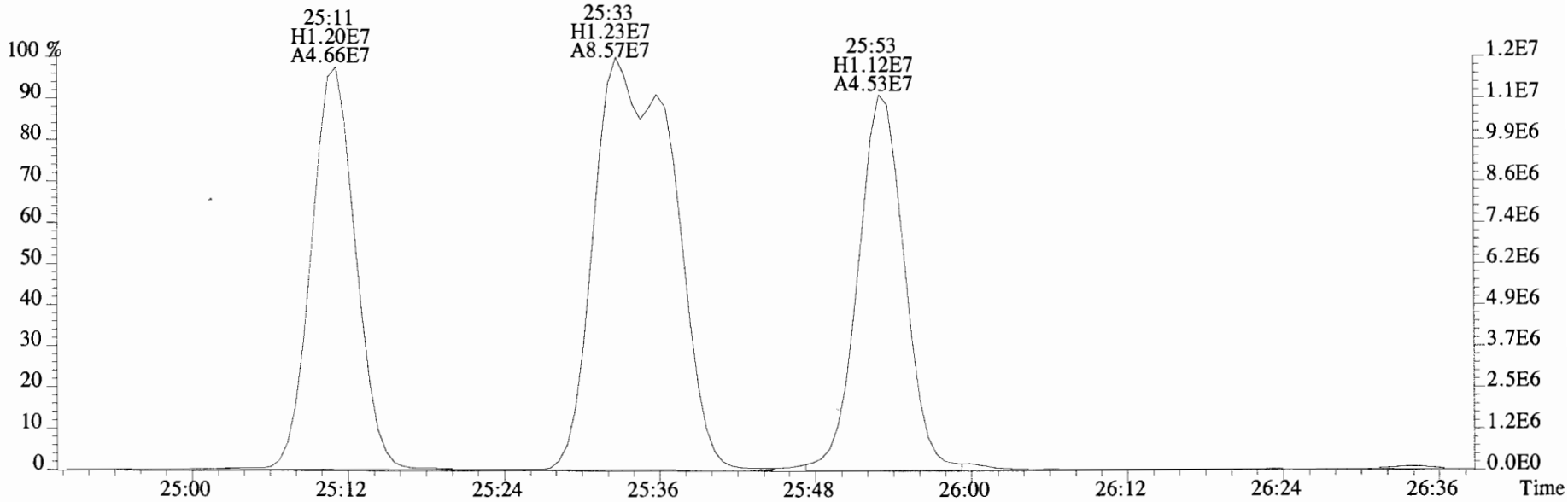

230.9856 S:4 F:2



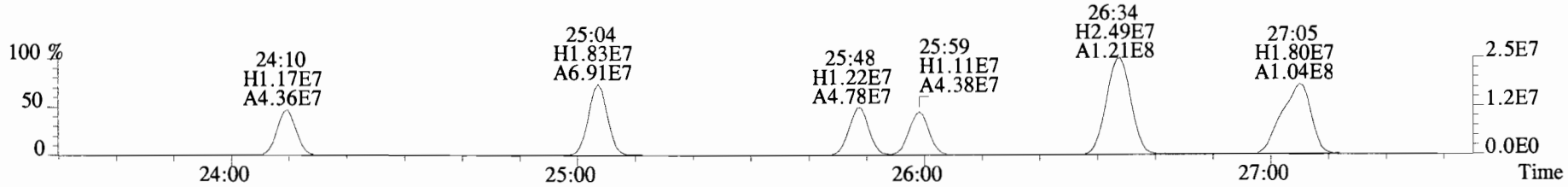
File:180208E1 #1-757 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
222.0003 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6820.0,0.00%,F,F)



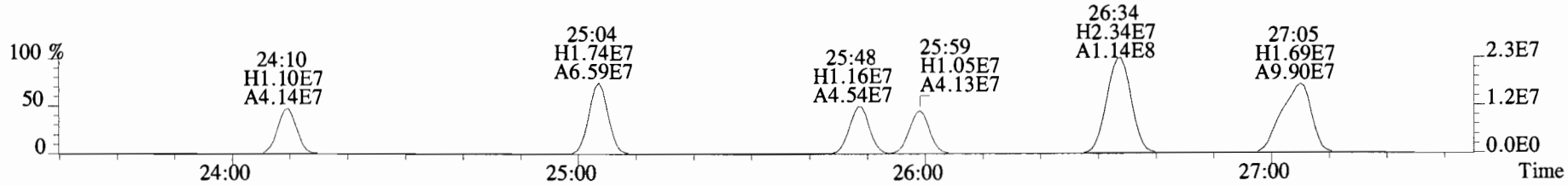

223.9974 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16192.0,0.00%,F,F)



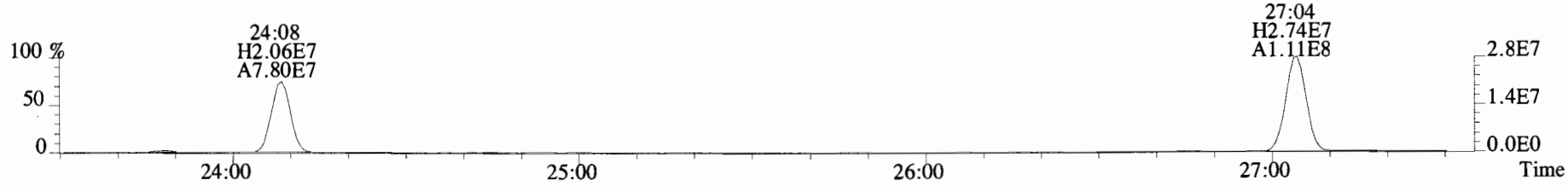
File:180208E1 #1-757 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5472.0,0.00%,F,F)



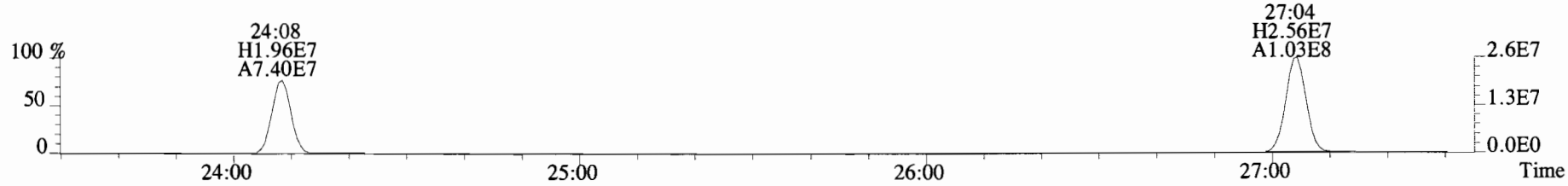

257.9584 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2716.0,0.00%,F,F)



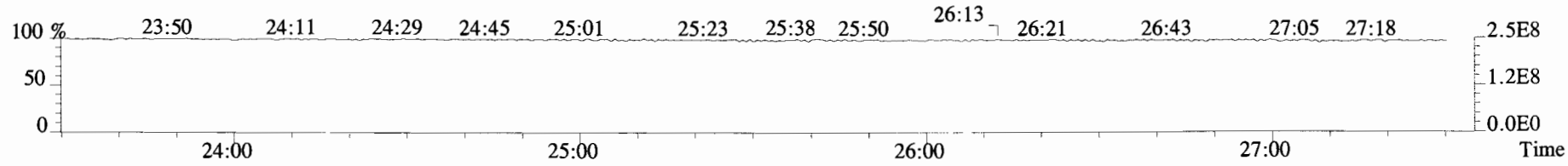

268.0016 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,122248.0,0.00%,F,F)



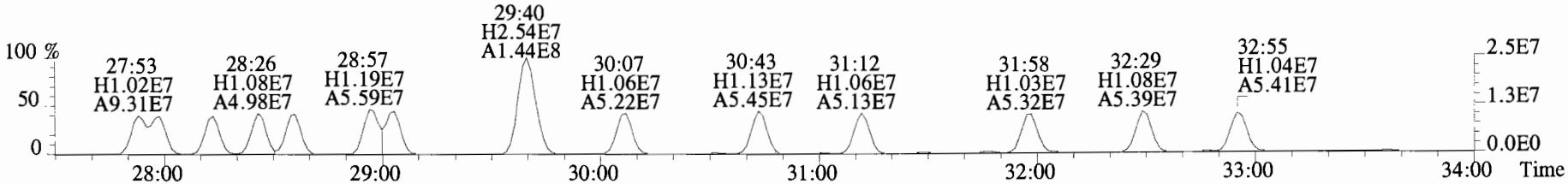

269.9986 S:4 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,57912.0,0.00%,F,F)



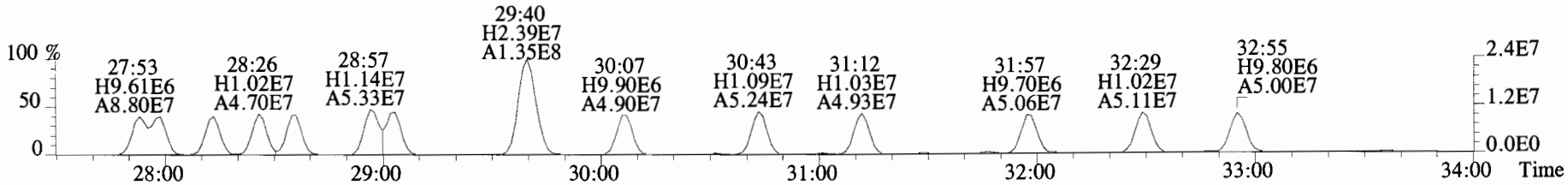

230.9856 S:4 F:2



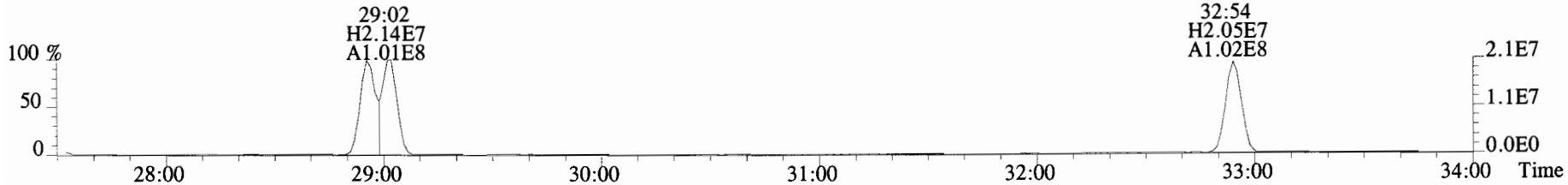
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15204.0,0.00%,F,F)



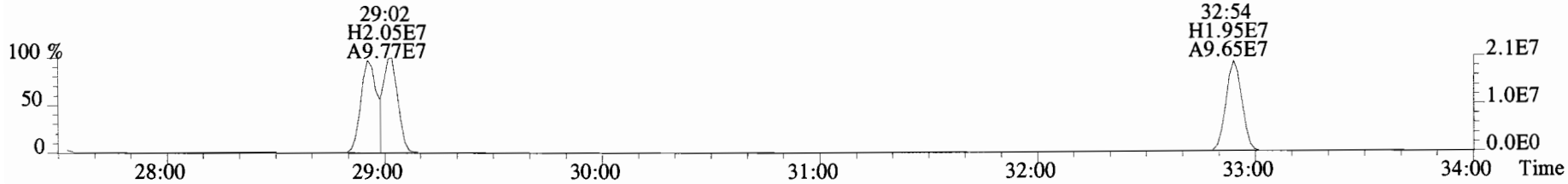

257.9584 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13460.0,0.00%,F,F)



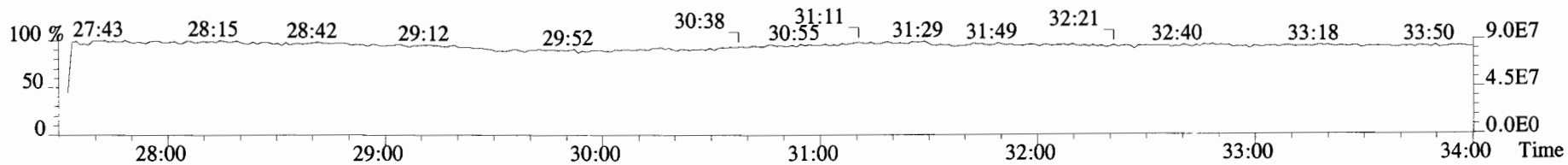

268.0016 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,86660.0,0.00%,F,F)



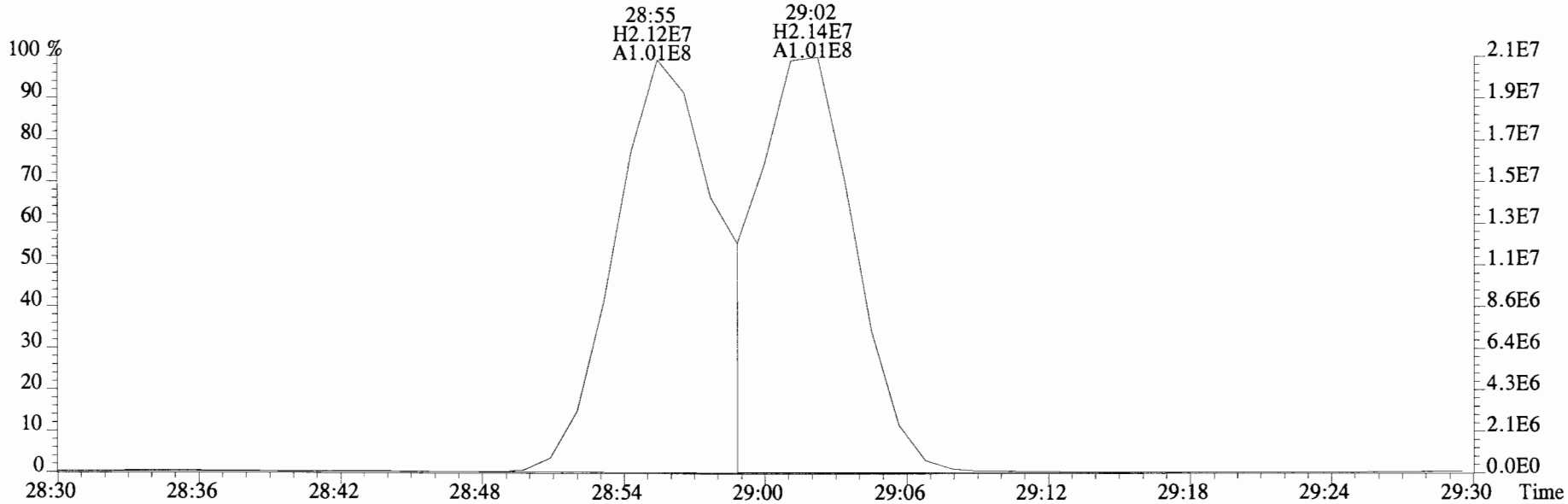

269.9986 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23324.0,0.00%,F,F)



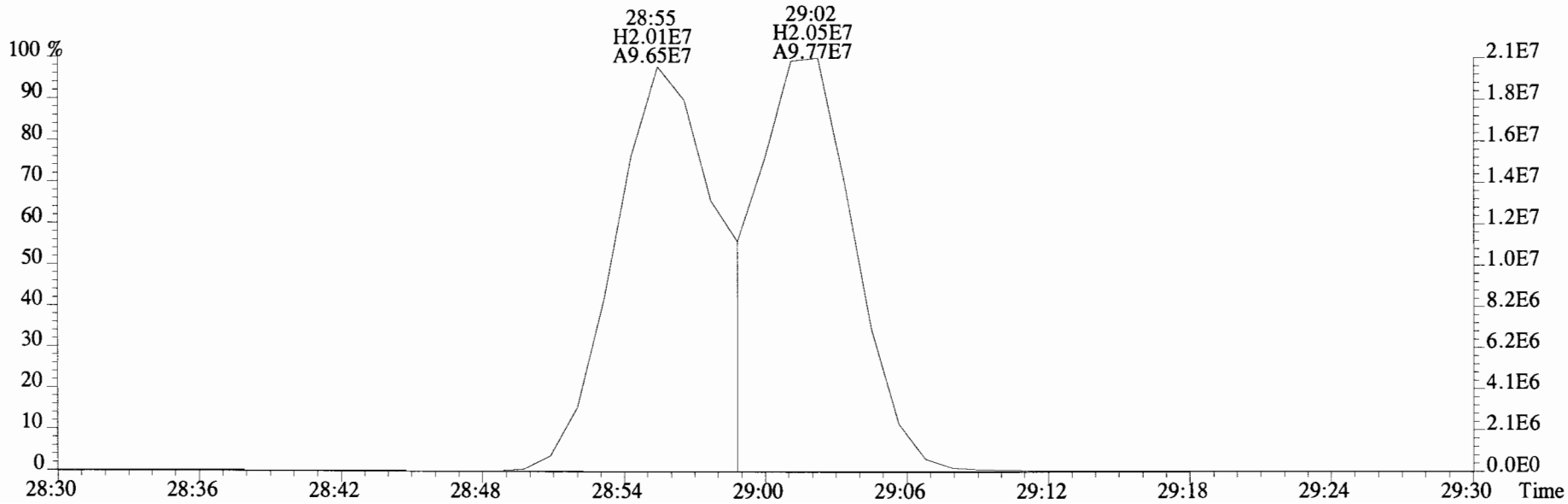

330.9792 S:4 F:3



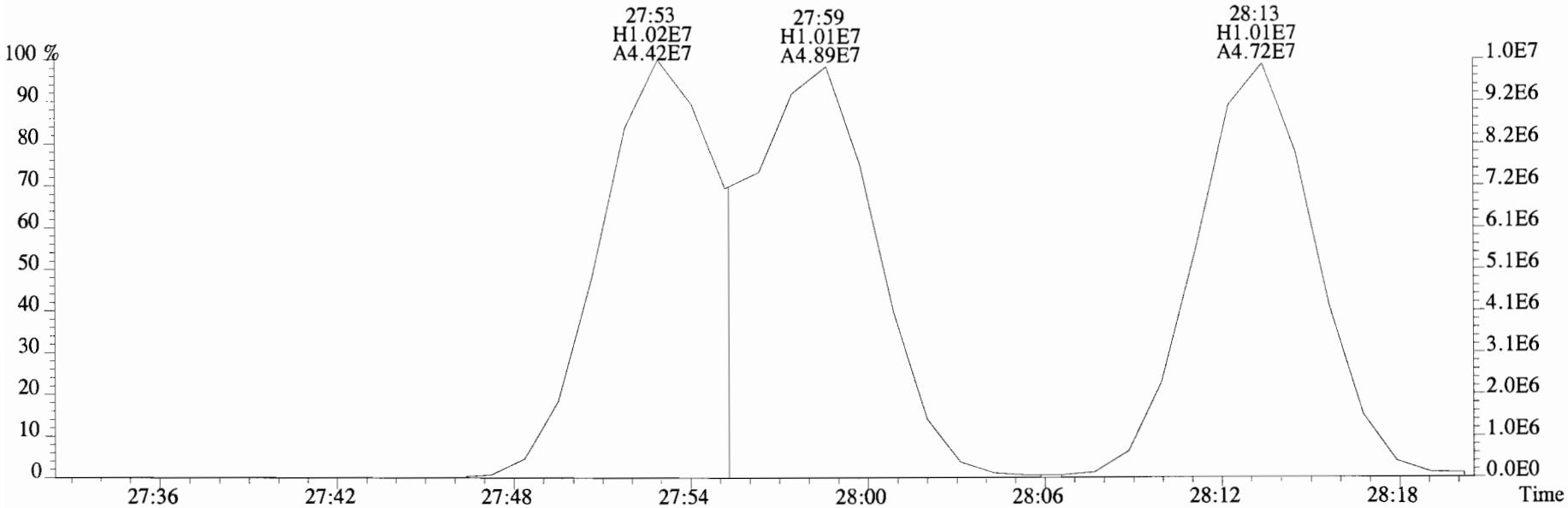
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
268.0016 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,86660.0,0.00%,F,F)



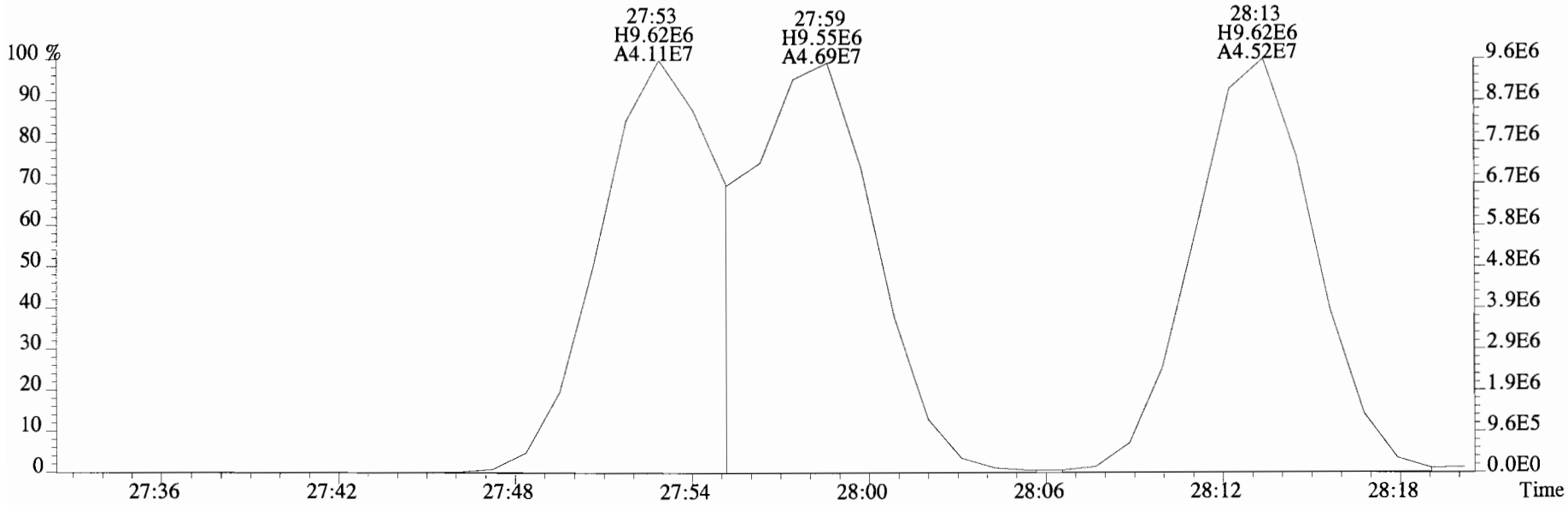

269.9986 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23324.0,0.00%,F,F)



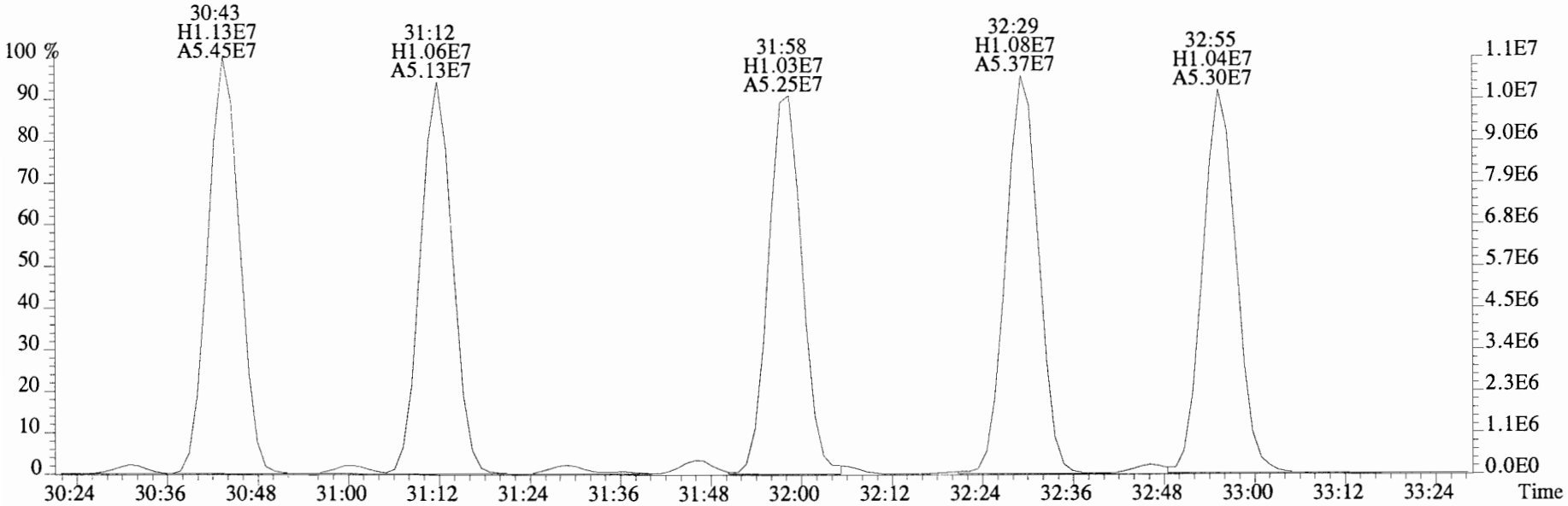
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15204.0,0.00%,F,F)



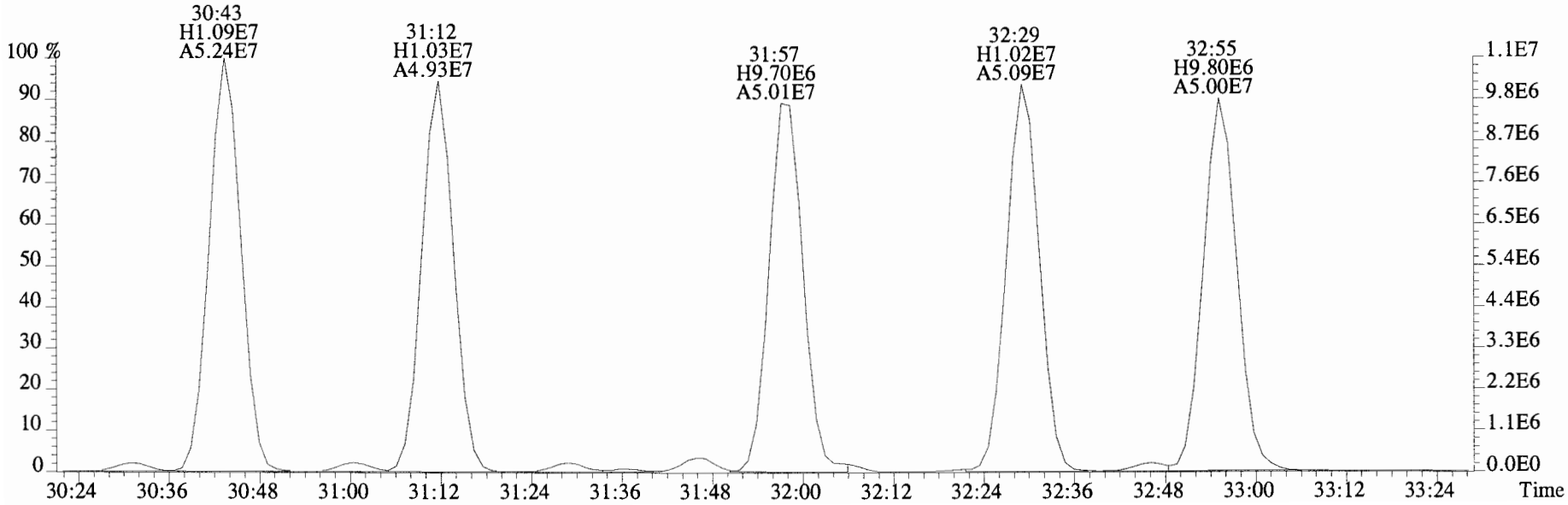

257.9584 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13460.0,0.00%,F,F)



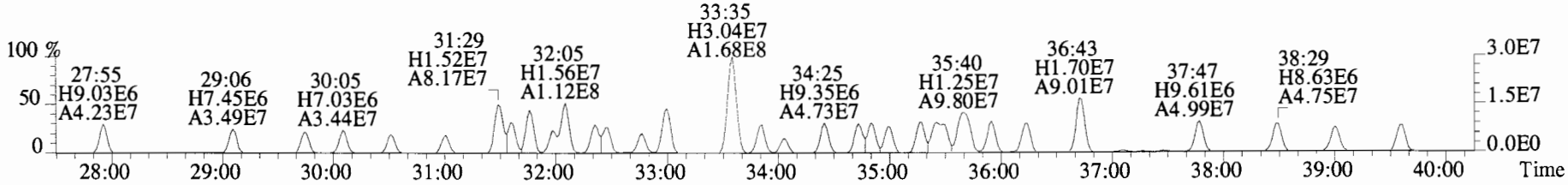
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
255.9613 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15204.0,0.00%,F,F)



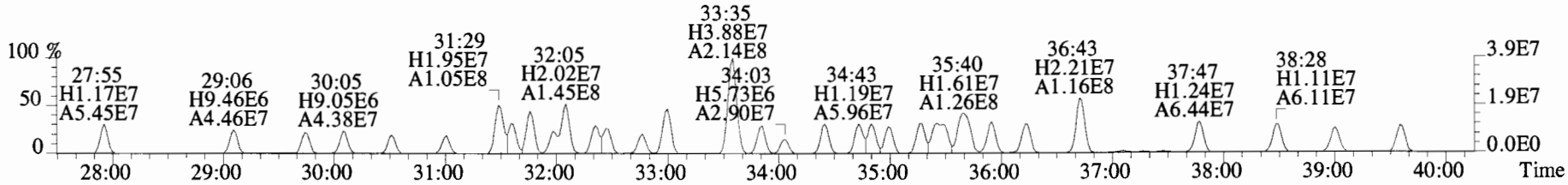

257.9584 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13460.0,0.00%,F,F)



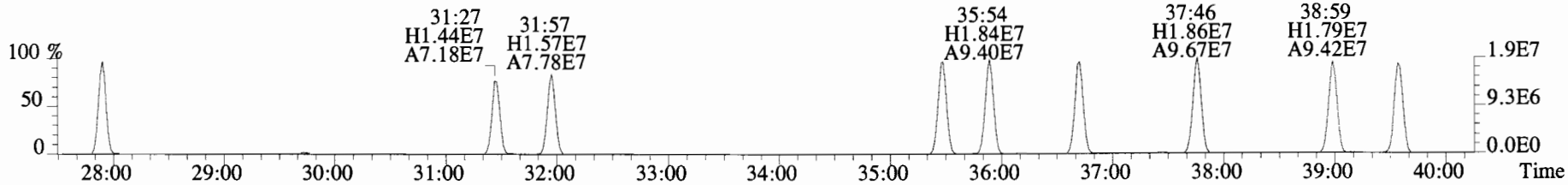
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24808.0,0.00%,F,F)



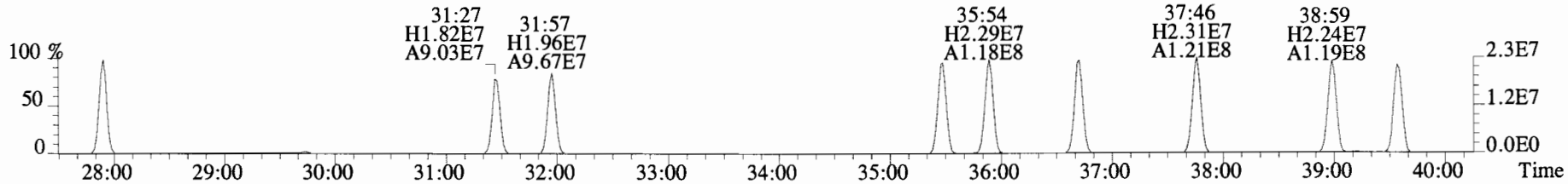

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27716.0,0.00%,F,F)



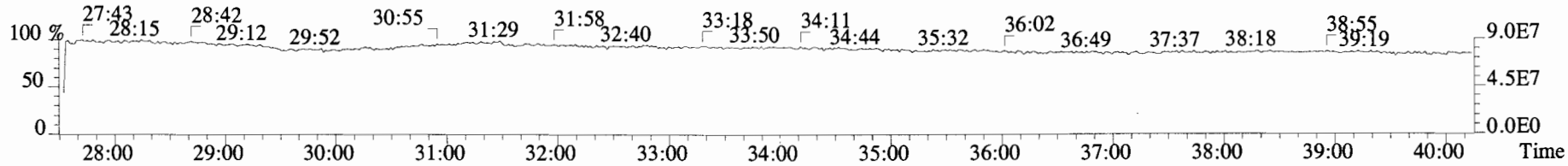

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37508.0,0.00%,F,F)



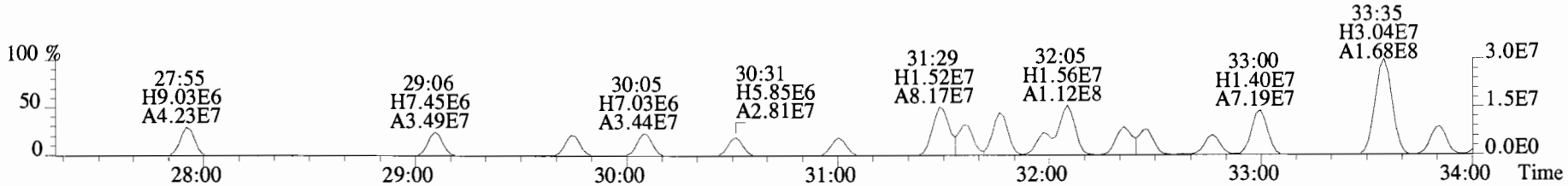

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20648.0,0.00%,F,F)



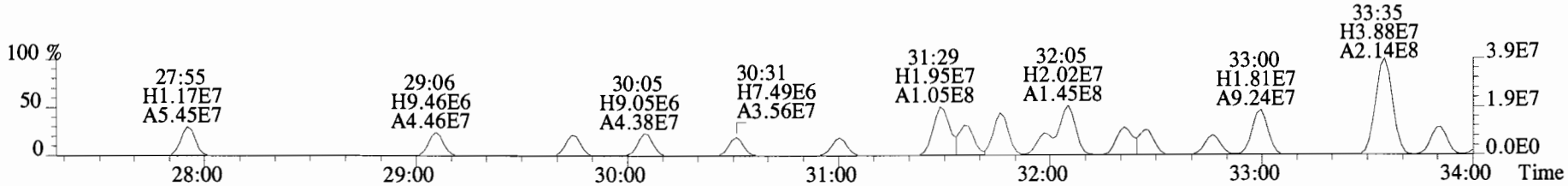

330.9792 S:4 F:3



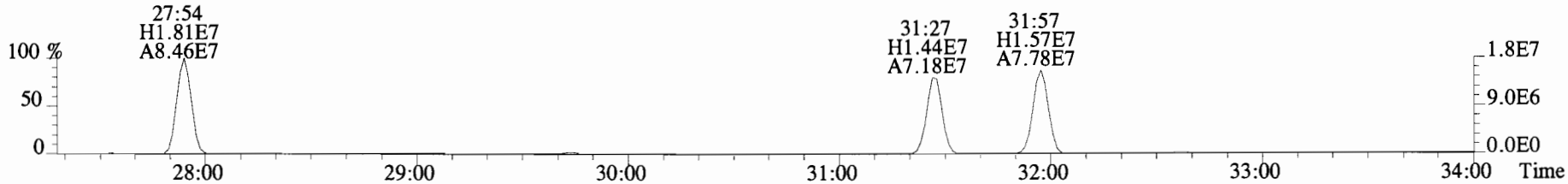
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24808.0,0.00%,F,F)



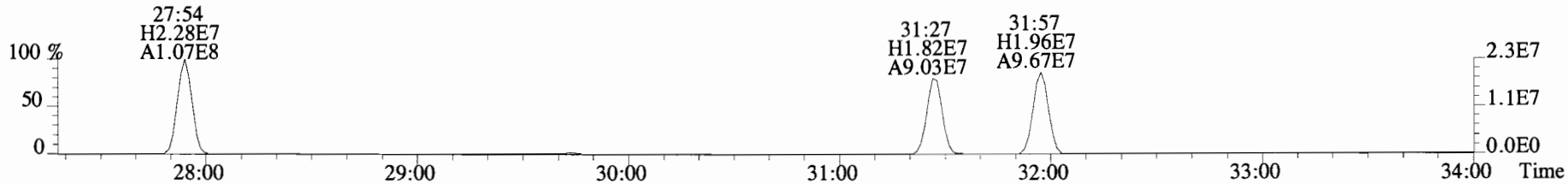

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27716.0,0.00%,F,F)



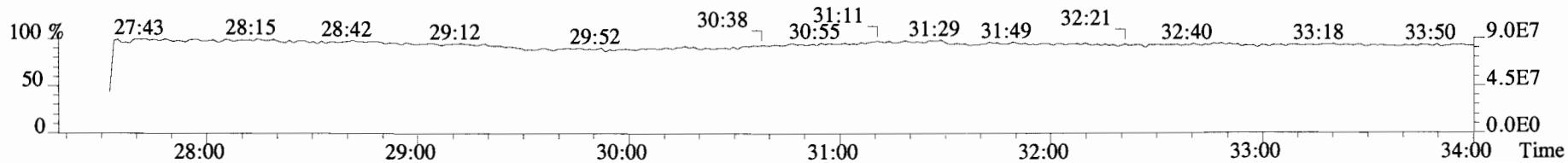

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37508.0,0.00%,F,F)



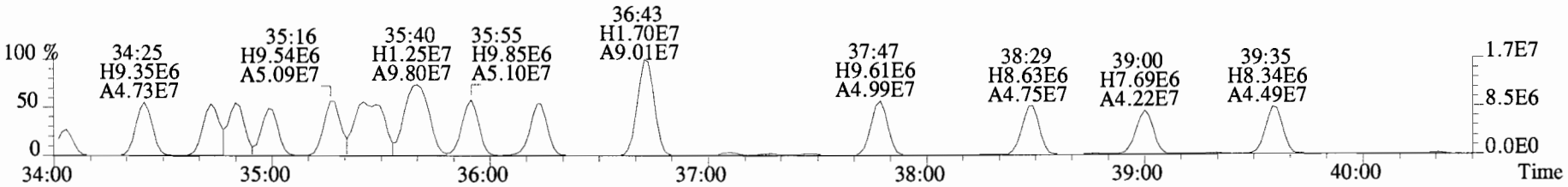

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20648.0,0.00%,F,F)



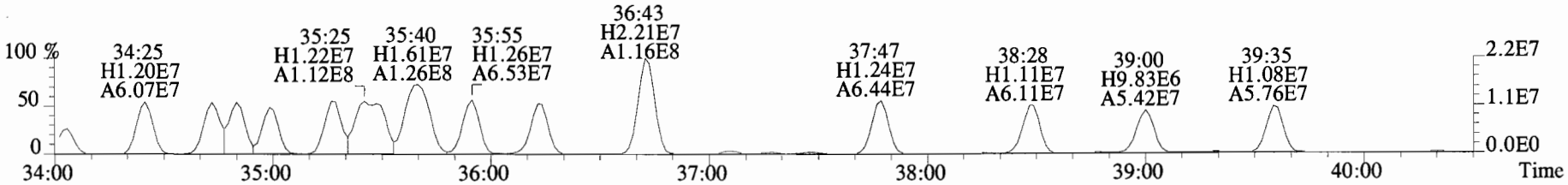

330.9792 S:4 F:3



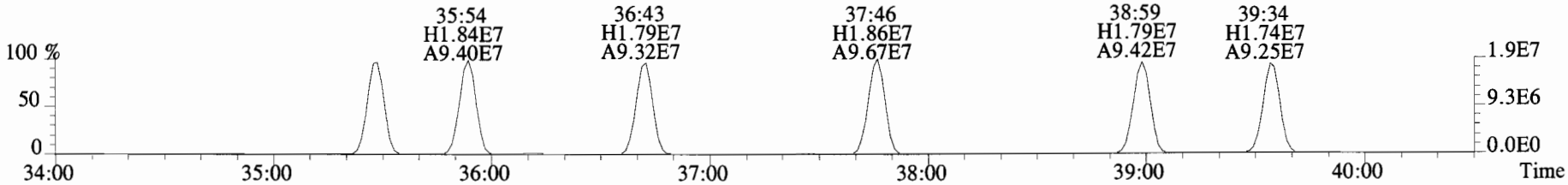
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24808.0,0.00%,F,F)



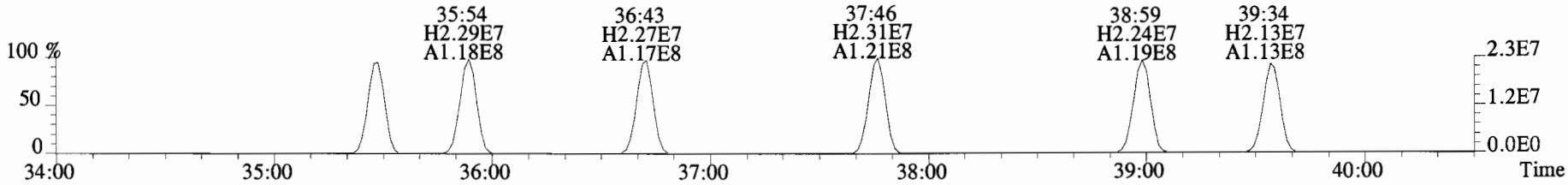

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27716.0,0.00%,F,F)



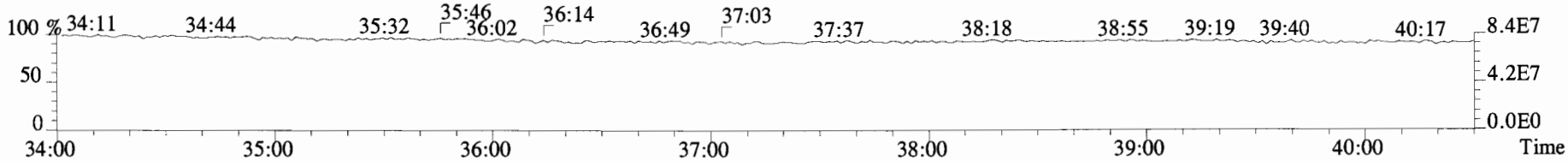

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37508.0,0.00%,F,F)



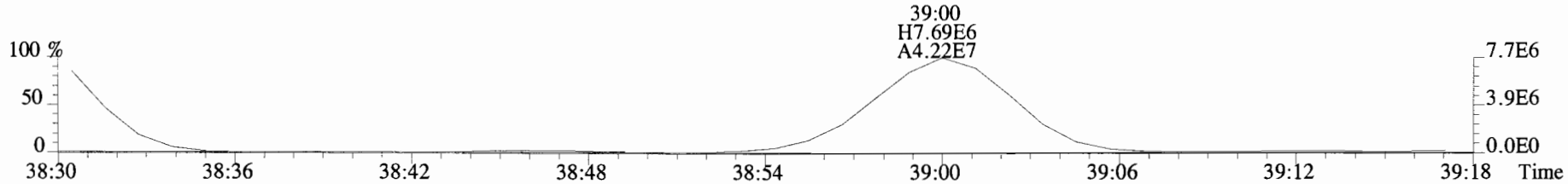

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20648.0,0.00%,F,F)



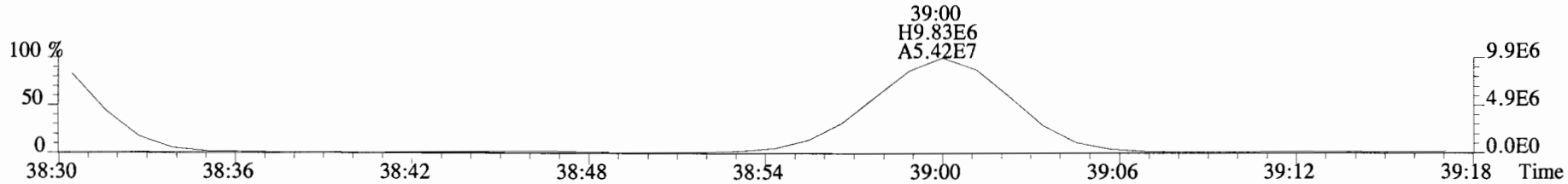

330.9792 S:4 F:3



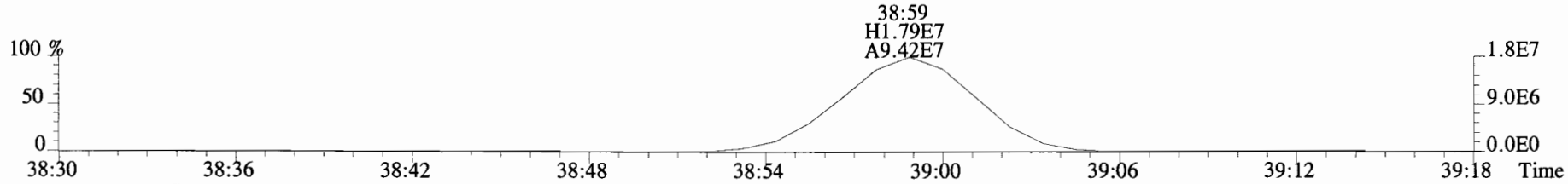
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24808.0,0.00%,F,F)



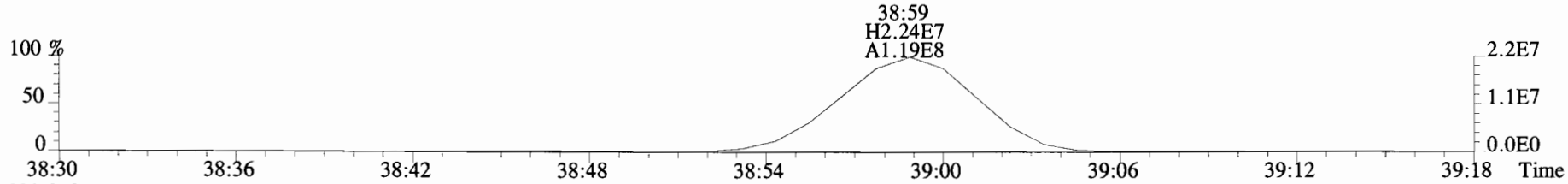

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27716.0,0.00%,F,F)



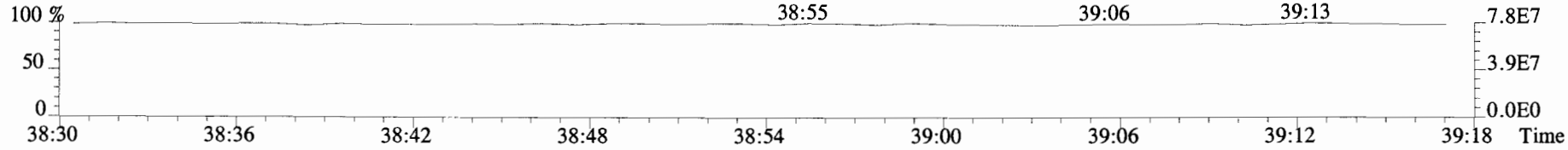

301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37508.0,0.00%,F,F)



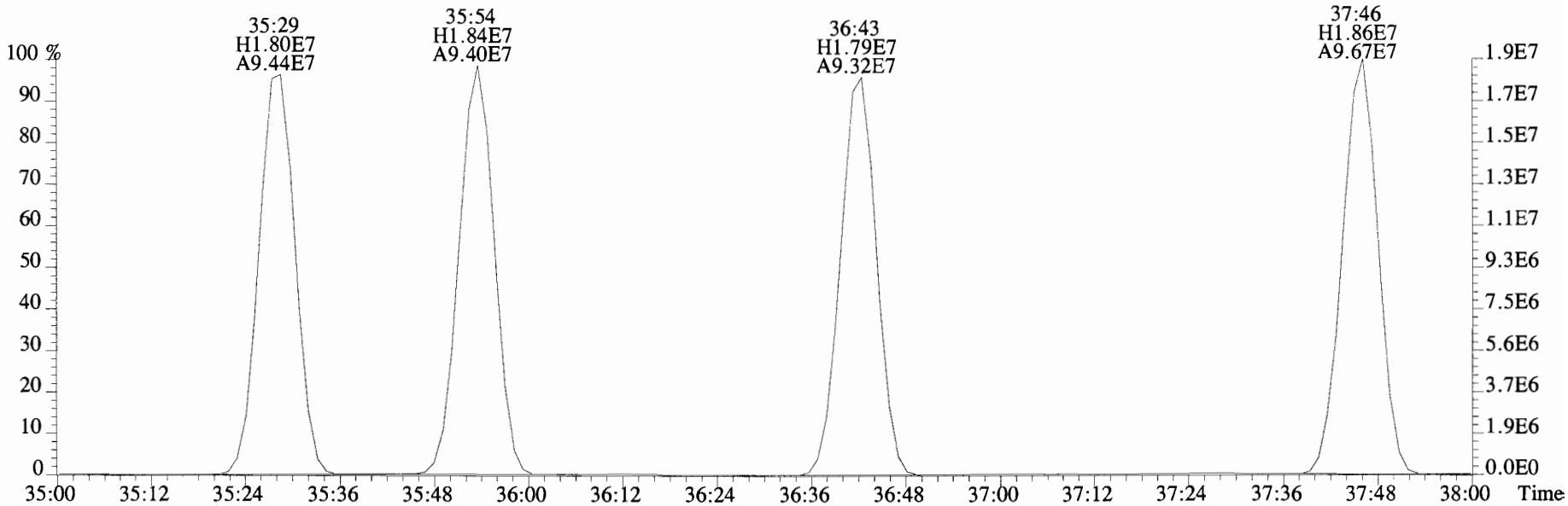

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20648.0,0.00%,F,F)



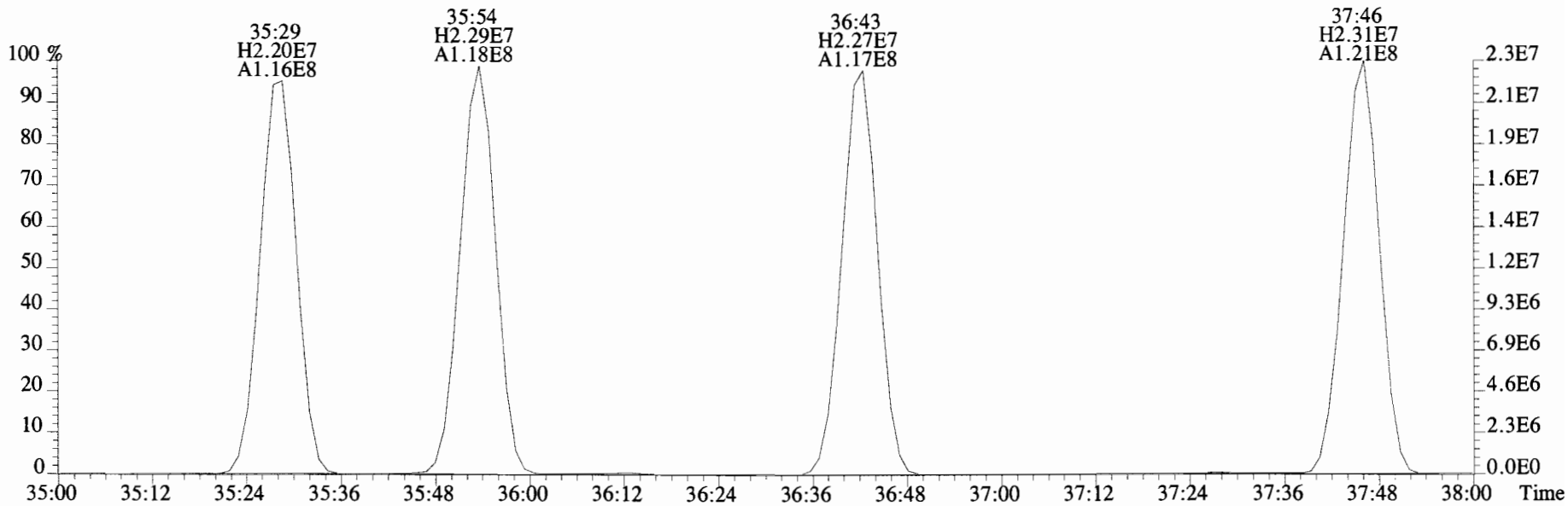

330.9792 S:4 F:3



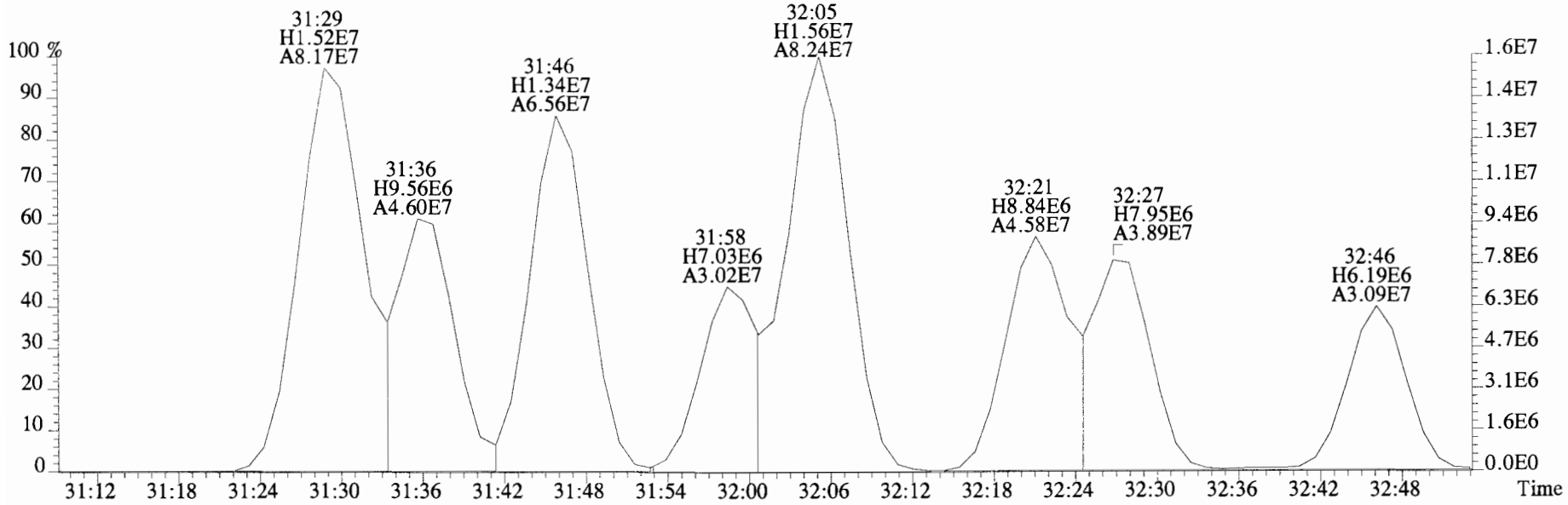
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
301.9626 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37508.0,0.00%,F,F)



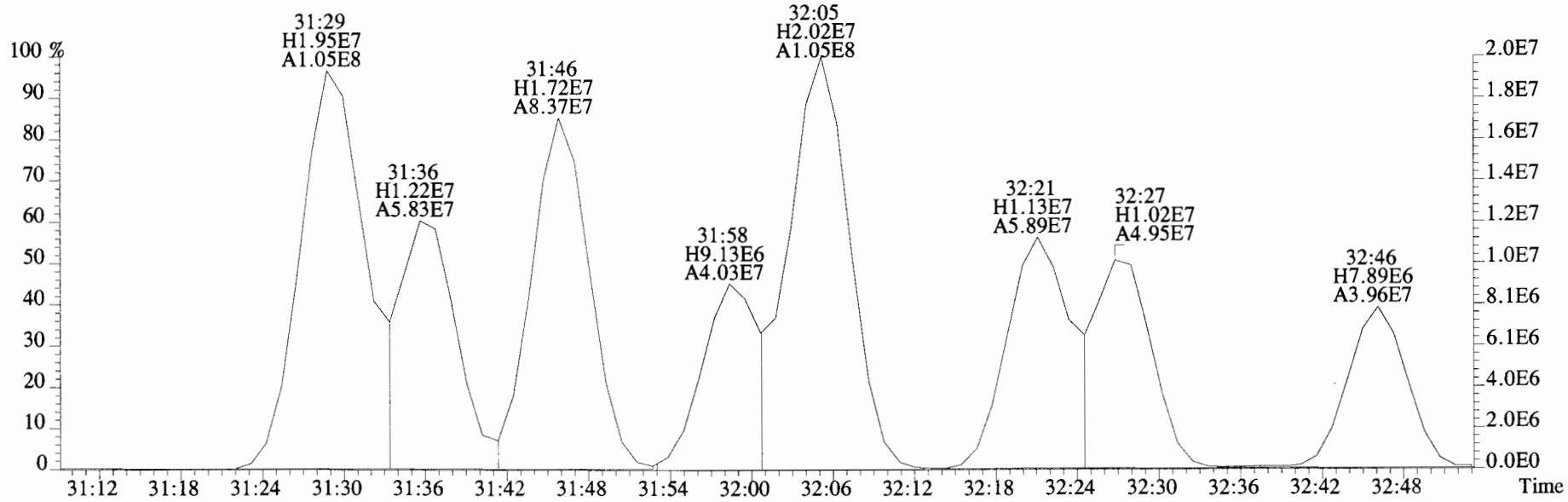

303.9597 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20648.0,0.00%,F,F)



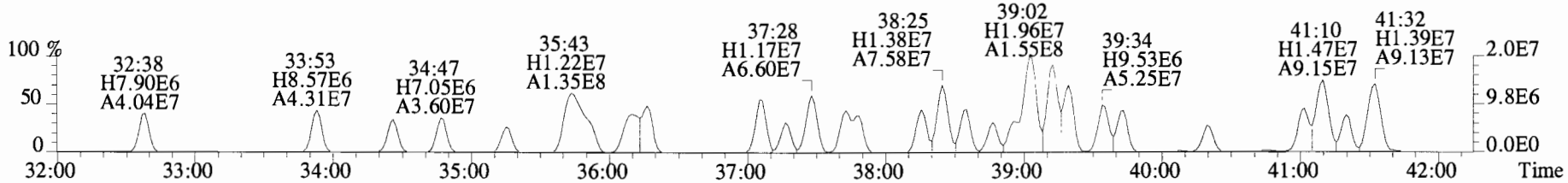
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
289.9224 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24808.0,0.00%,F,F)



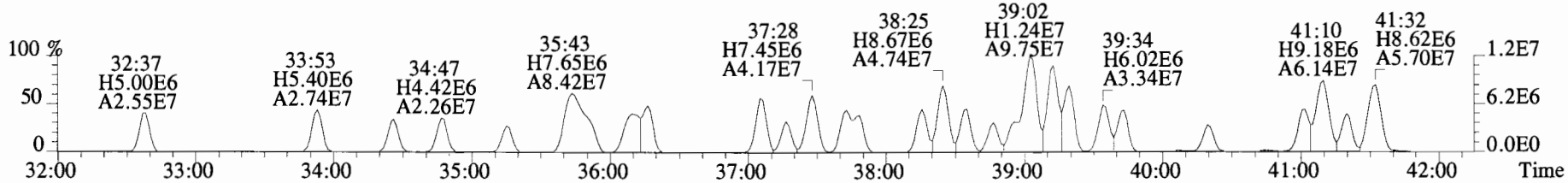

291.9194 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27716.0,0.00%,F,F)



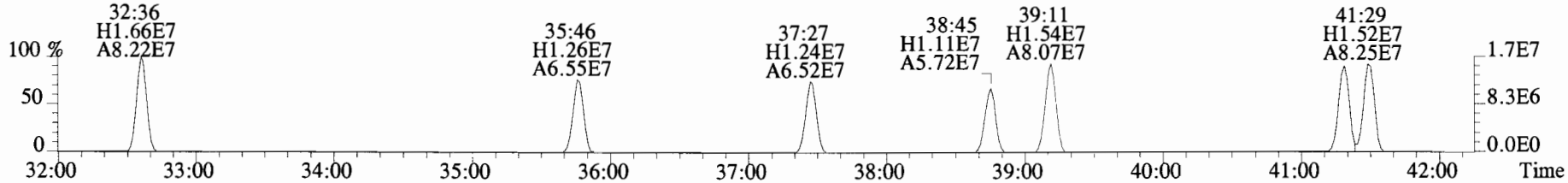
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



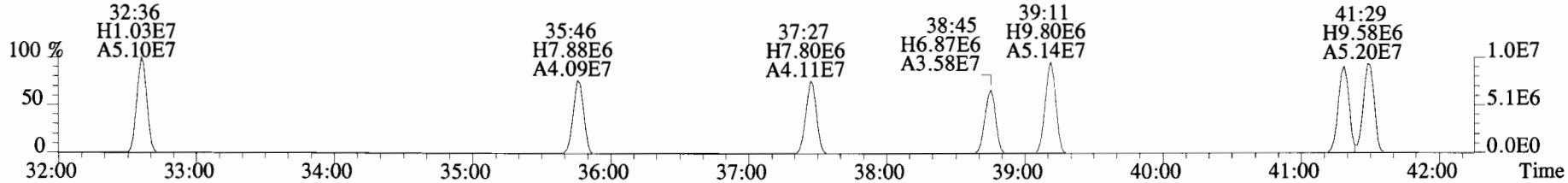

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



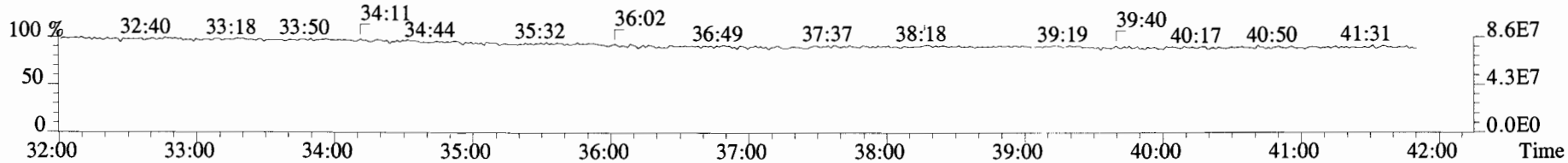

337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7456.0,0.00%,F,F)



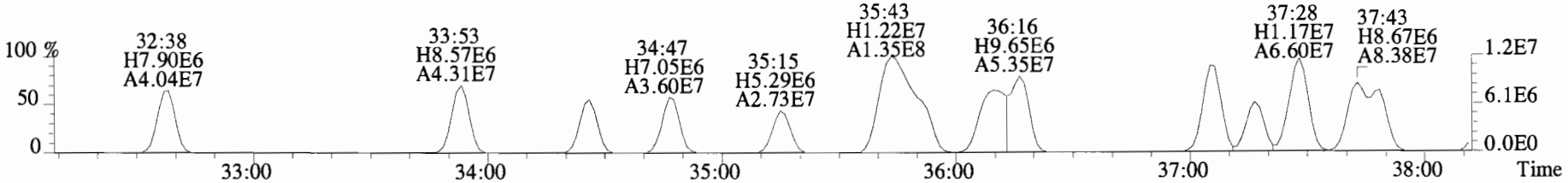

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4200.0,0.00%,F,F)



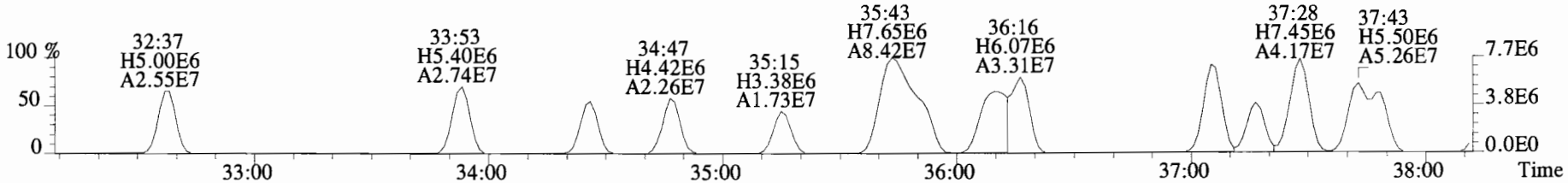

330.9792 S:4 F:3



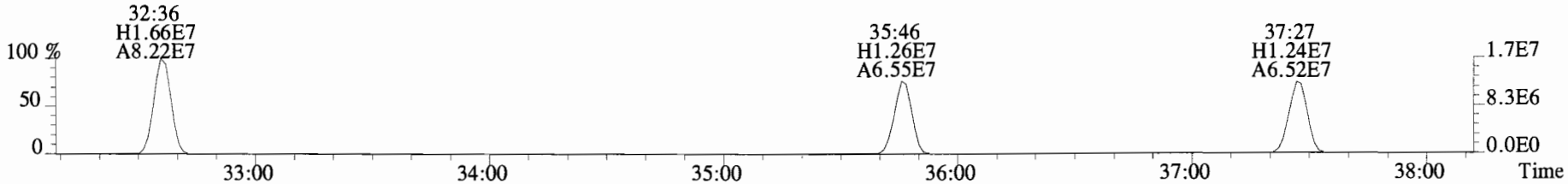
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



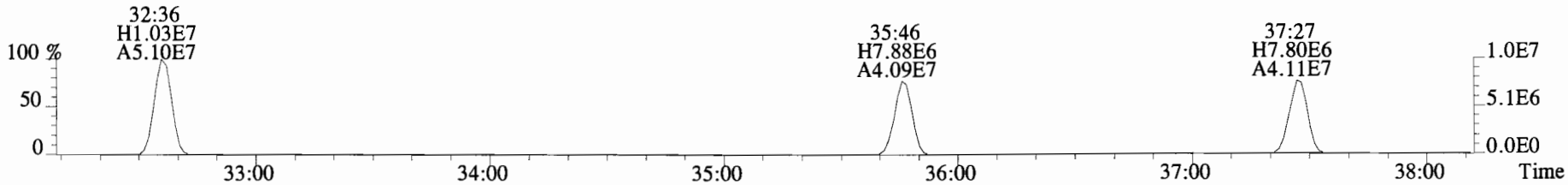

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



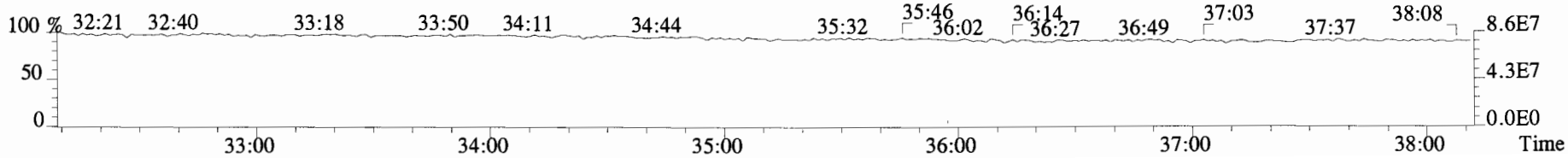

337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7456.0,0.00%,F,F)



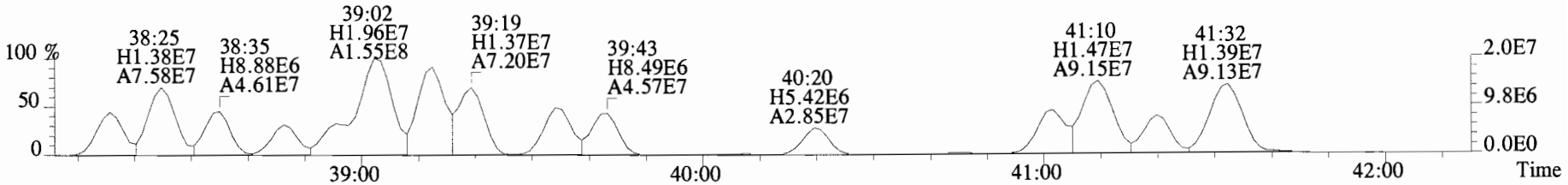

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4200.0,0.00%,F,F)



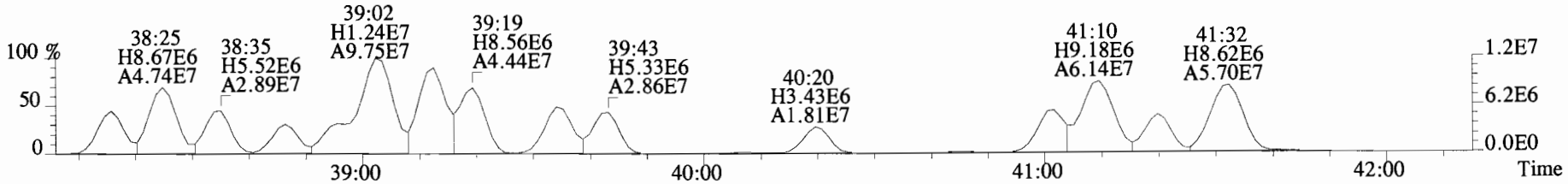

330.9792 S:4 F:3



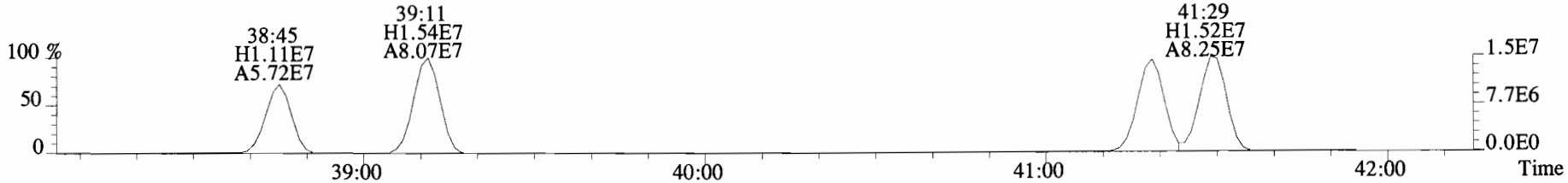
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



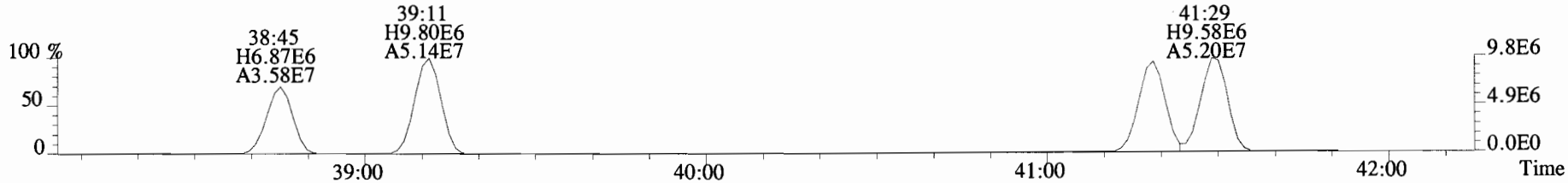

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



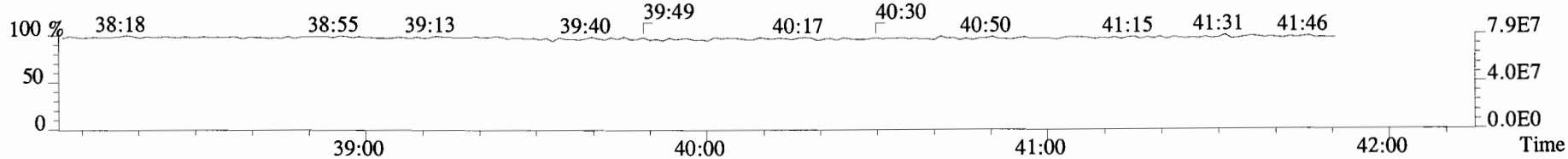

337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7456.0,0.00%,F,F)



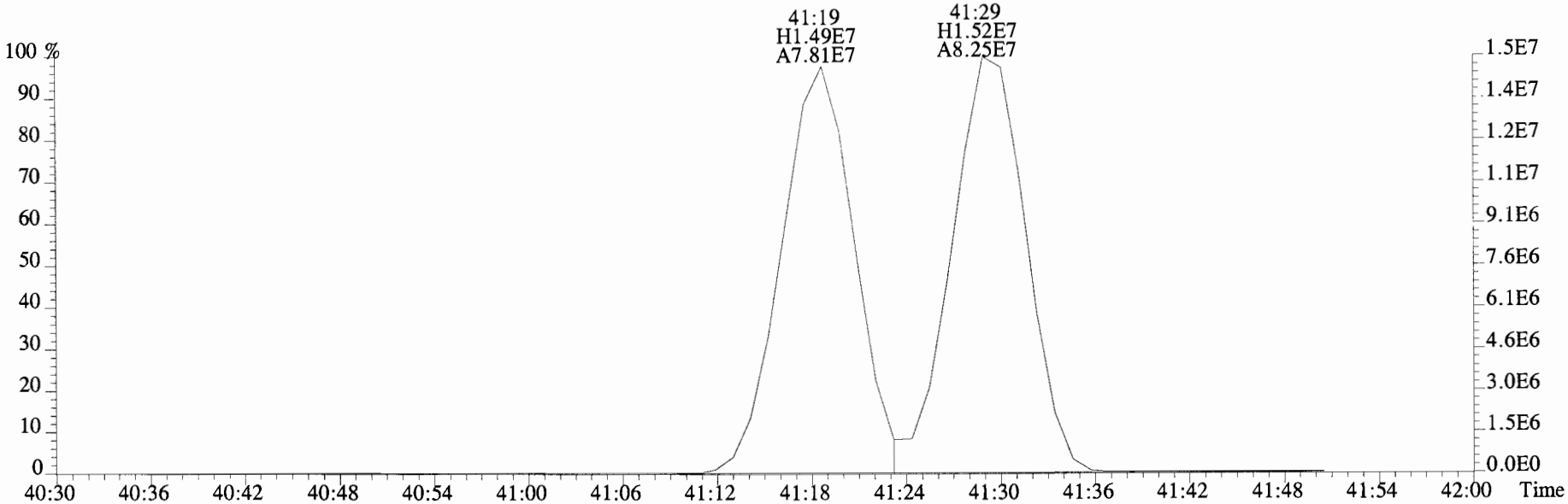

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4200.0,0.00%,F,F)



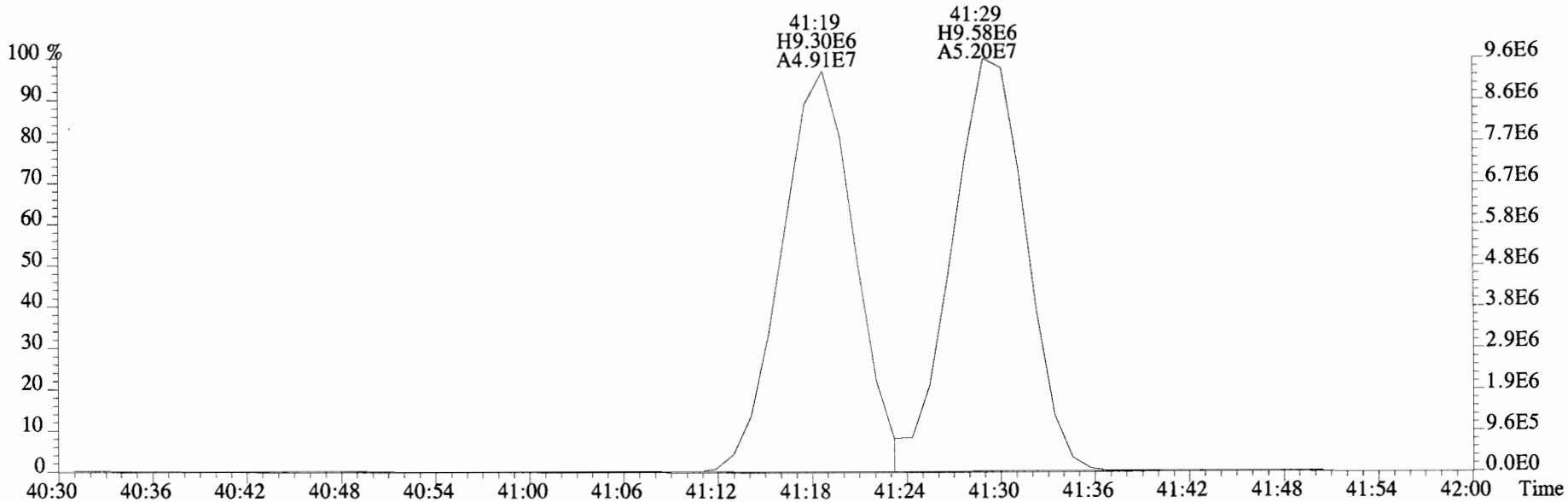

330.9792 S:4 F:3



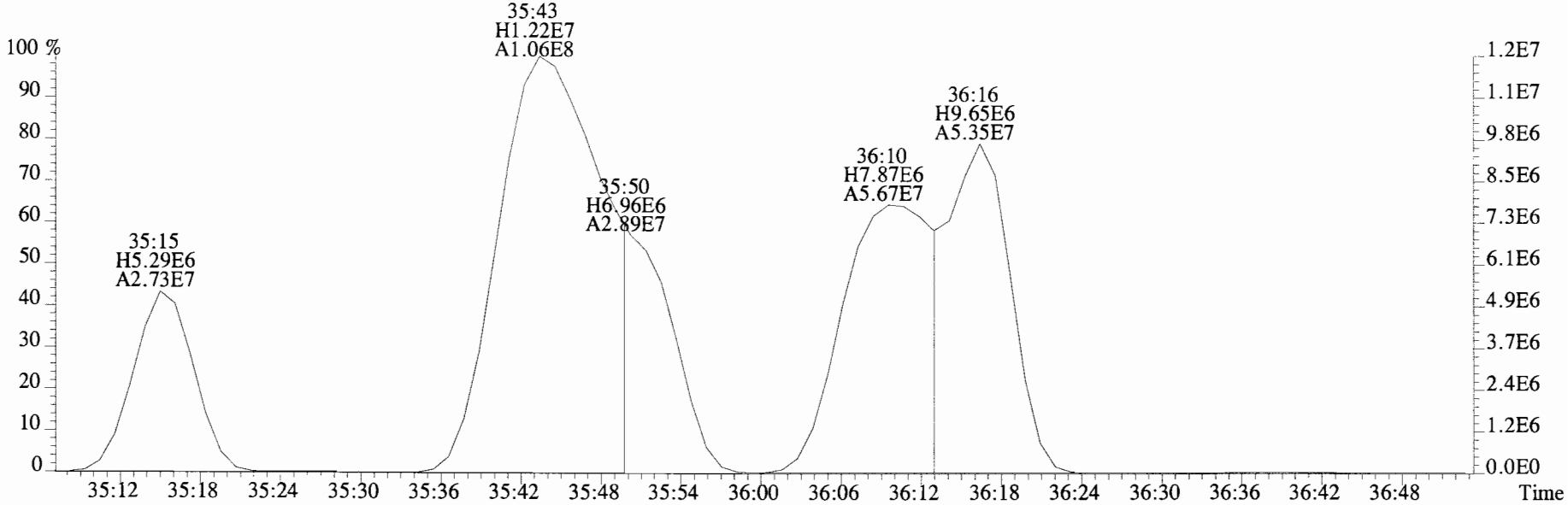
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SlR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
337.9207 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7456.0,0.00%,F,F)



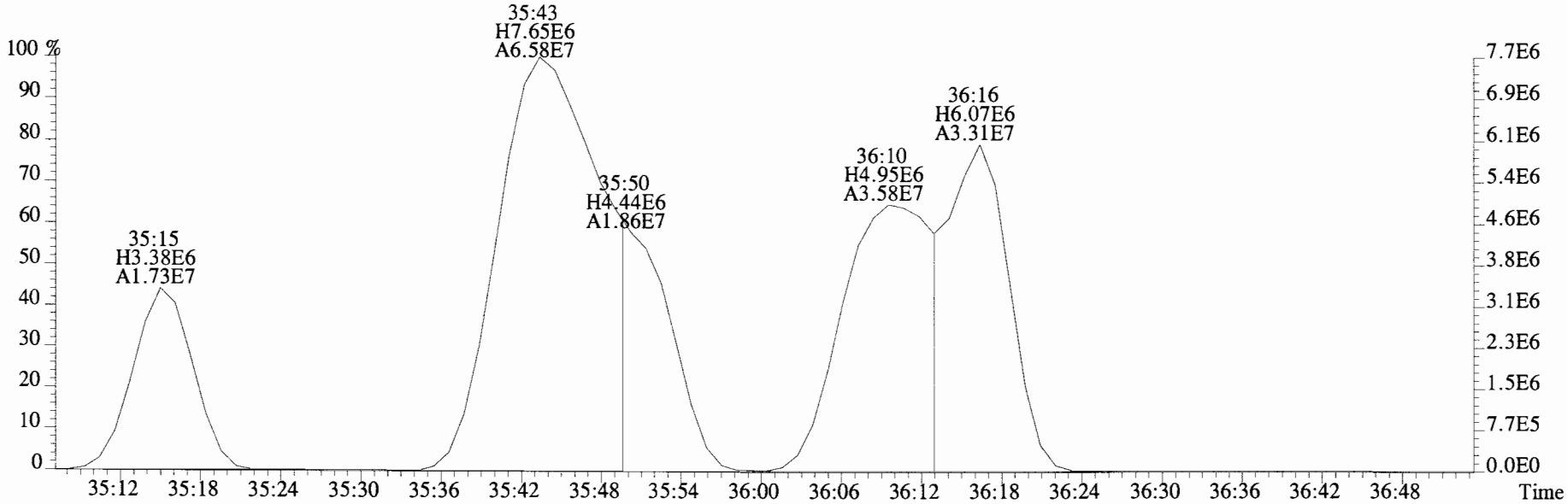

339.9177 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4200.0,0.00%,F,F)



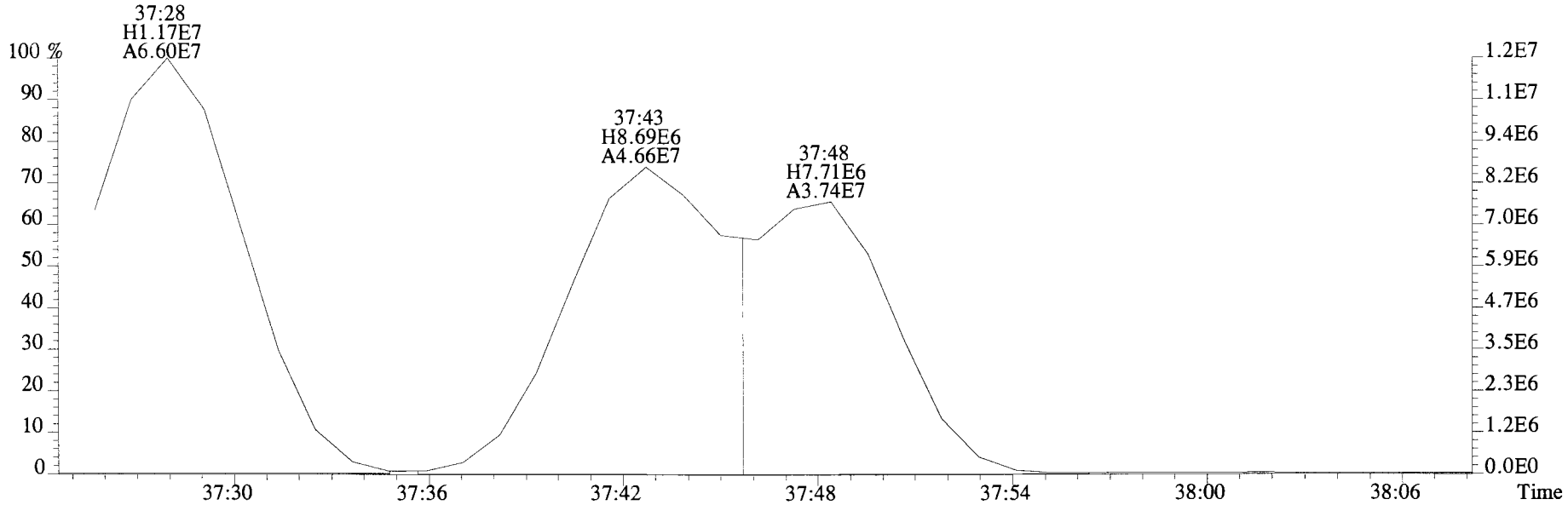
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



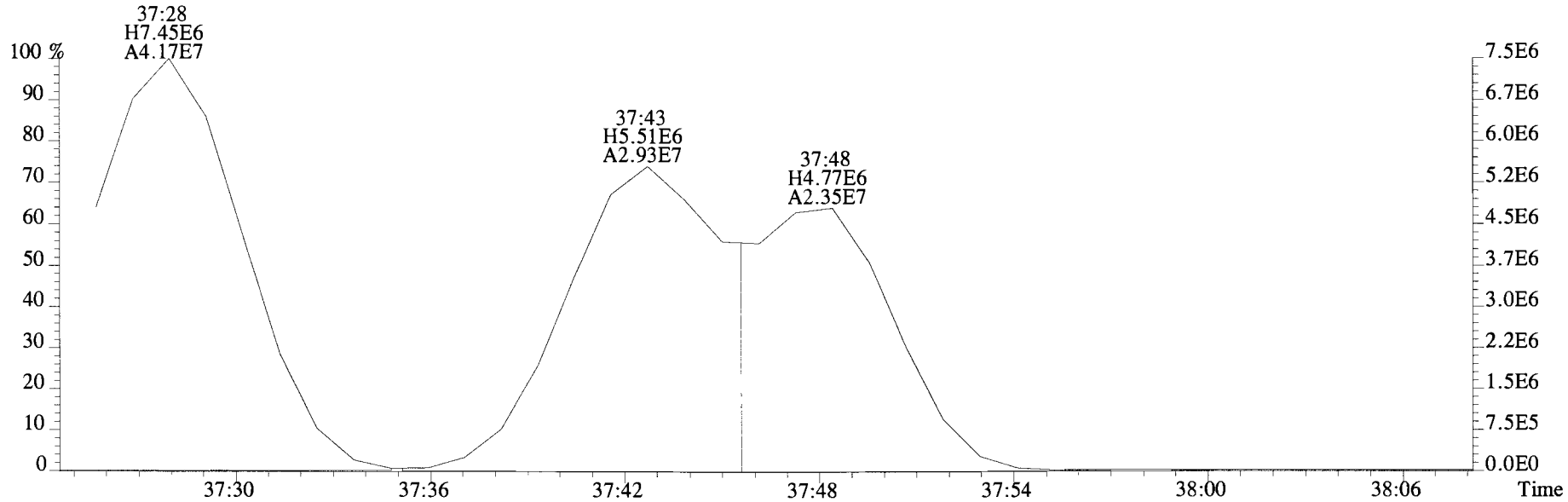

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



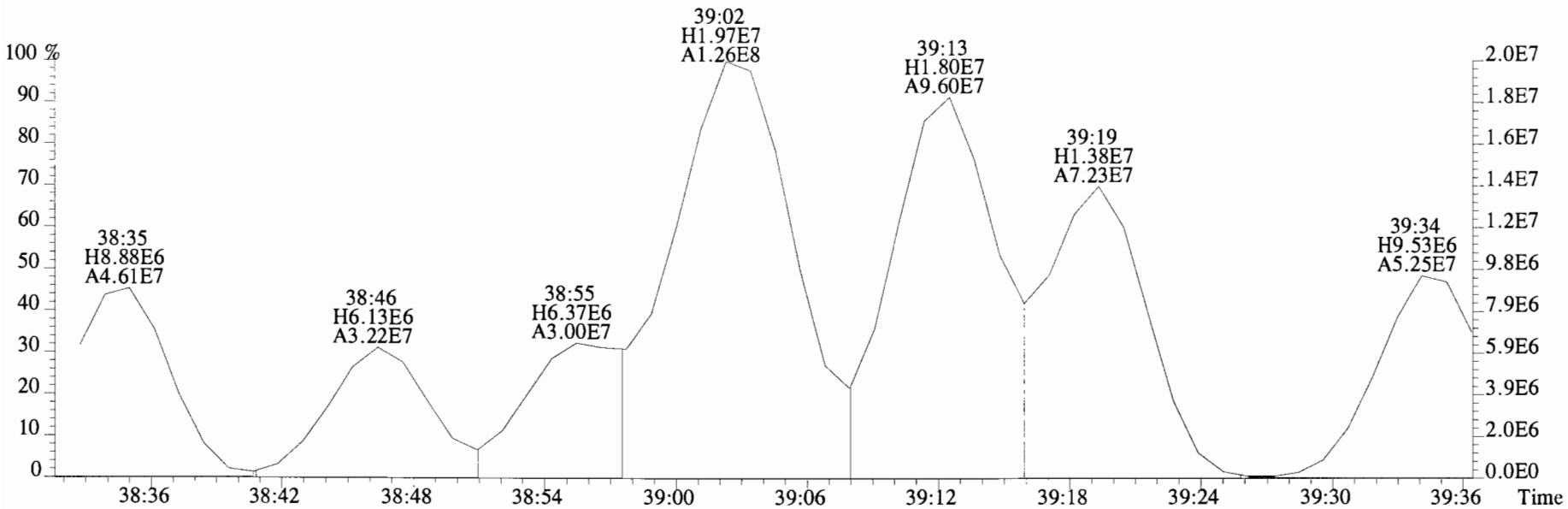
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



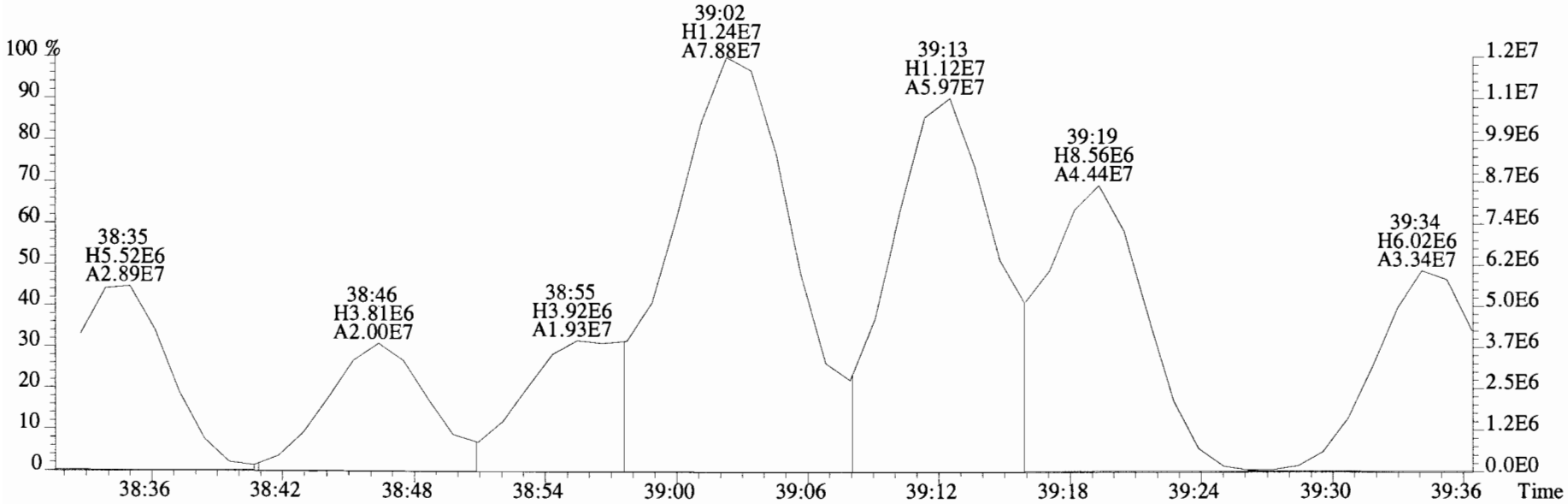

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



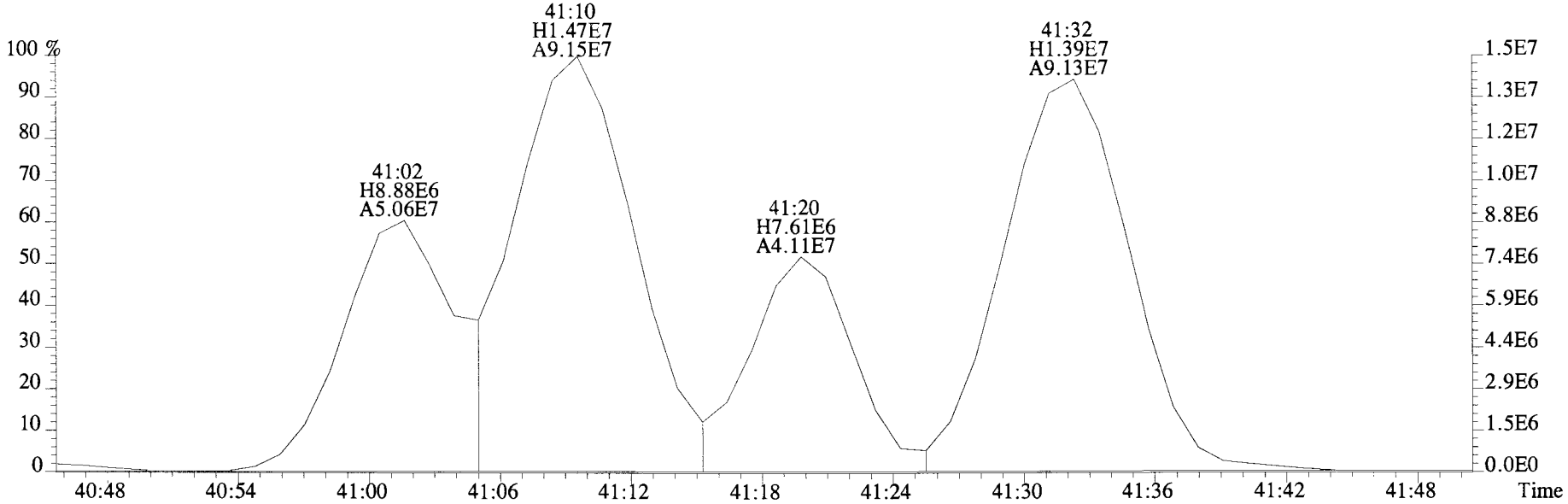
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



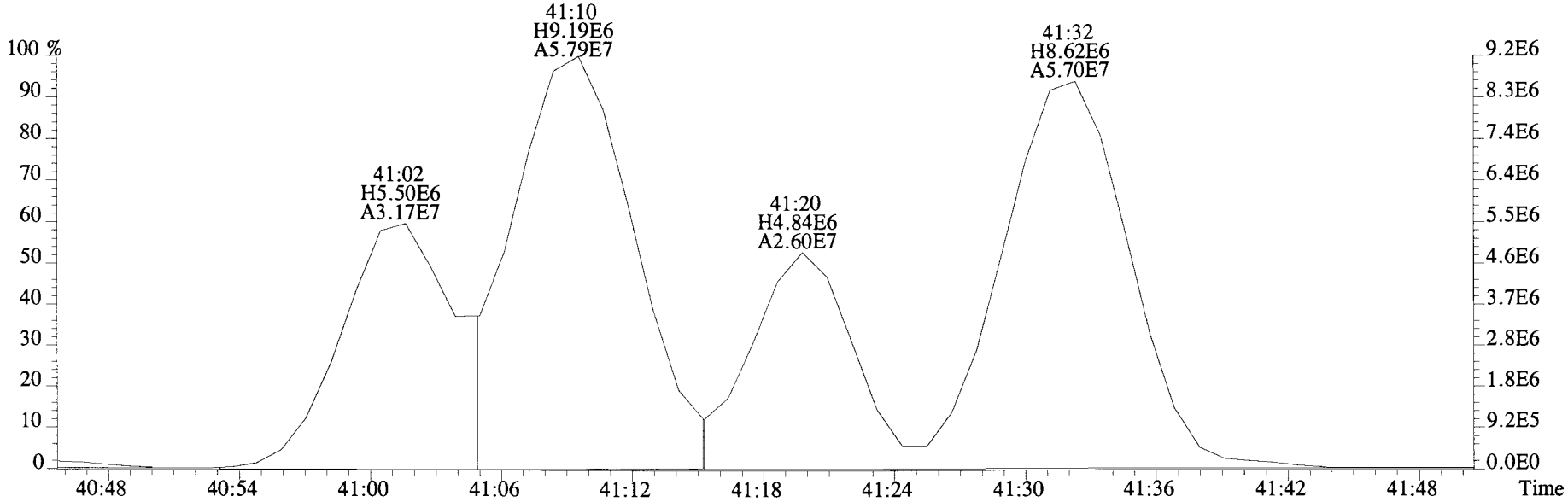

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



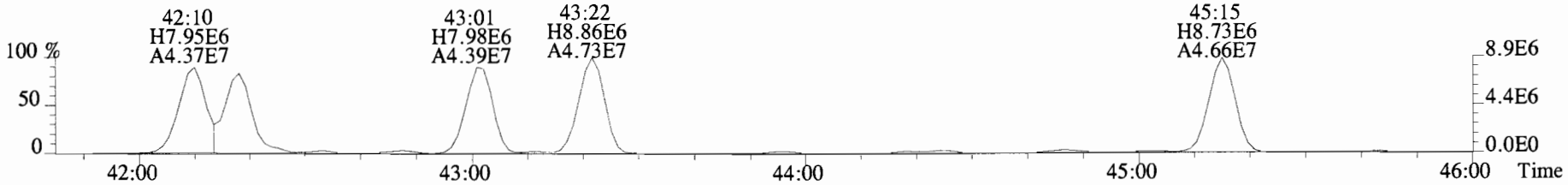
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2016.0,0.00%,F,F)



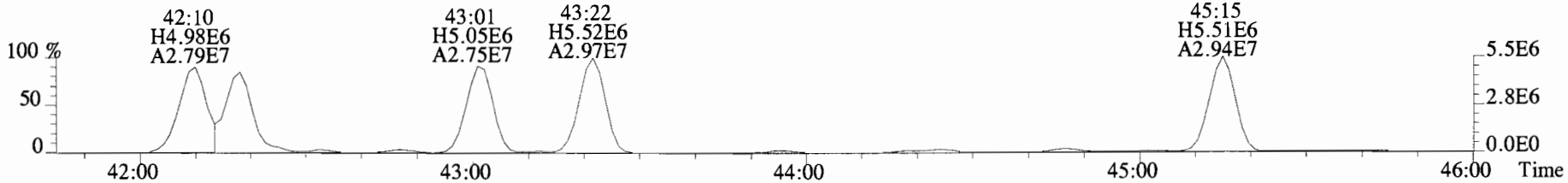

327.8775 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2092.0,0.00%,F,F)



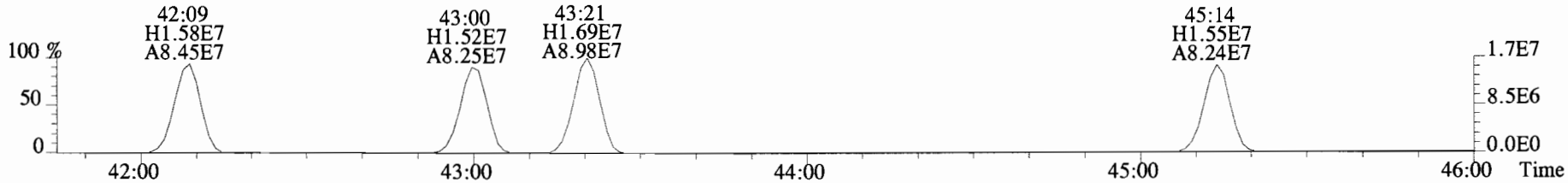
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13140.0,0.00%,F,F)



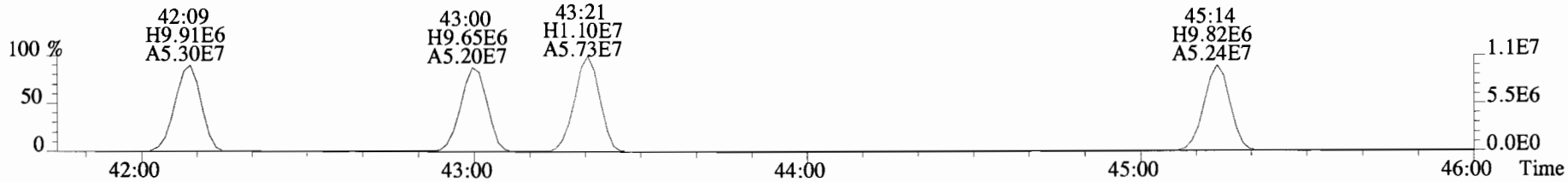

327.8775 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8388.0,0.00%,F,F)



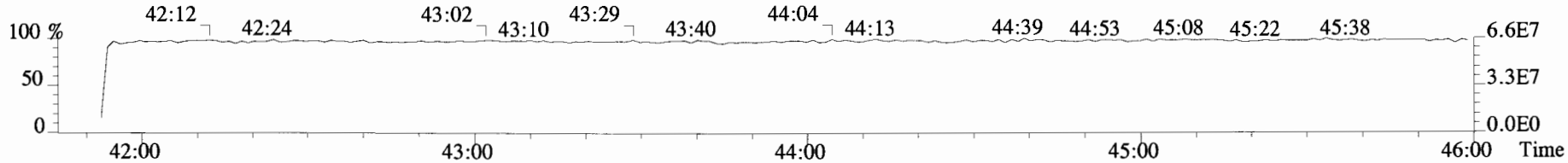

337.9207 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12724.0,0.00%,F,F)



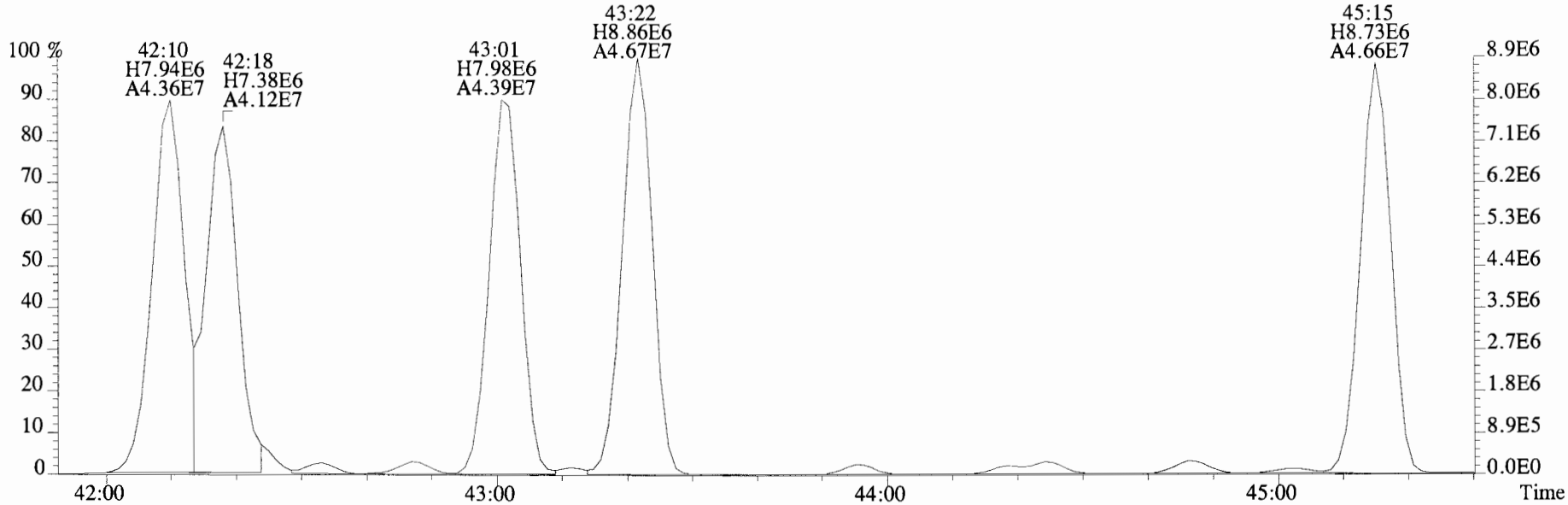

339.9177 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9400.0,0.00%,F,F)



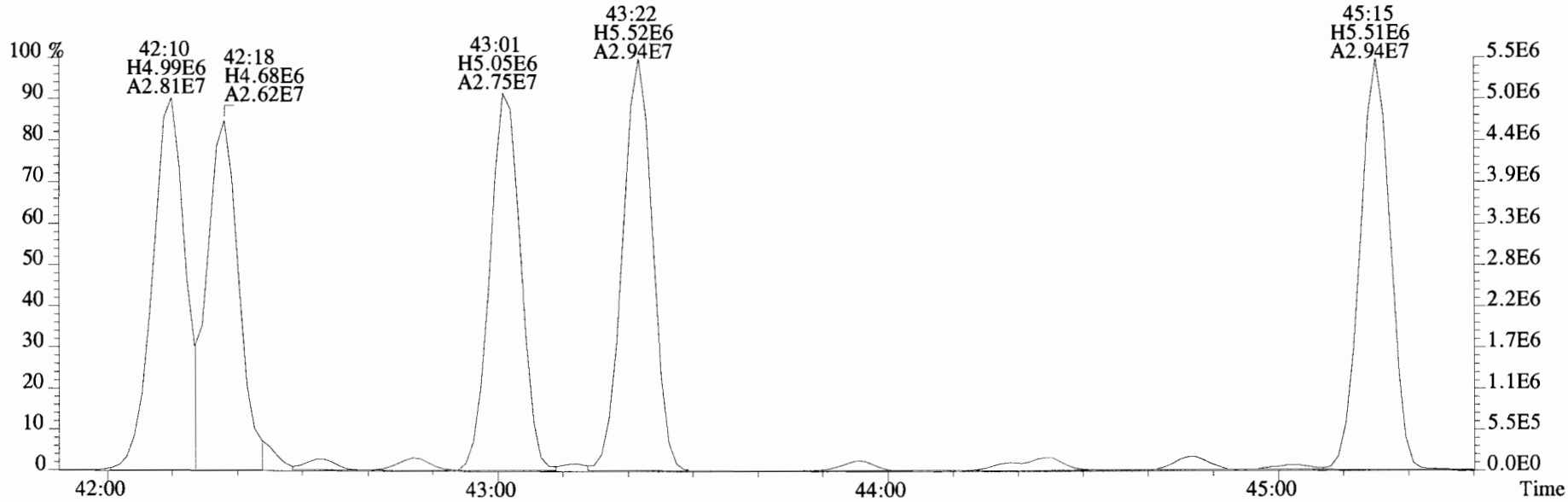

380.9760 S:4 F:4



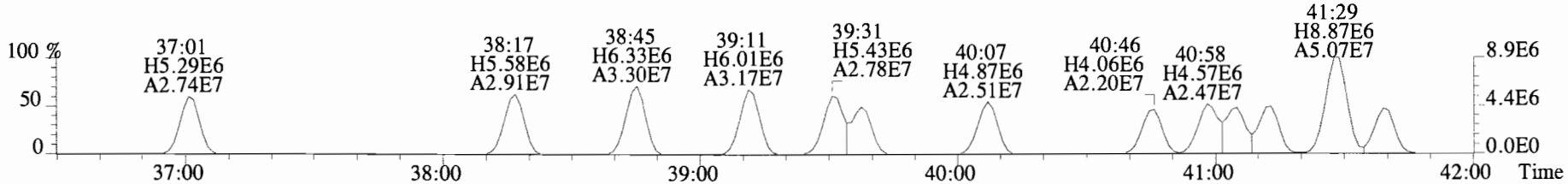
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
325.8804 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13140.0,0.00%,F,F)



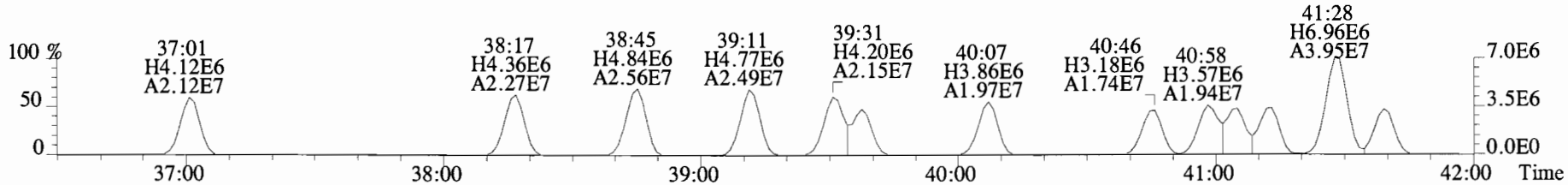

327.8775 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8388.0,0.00%,F,F)



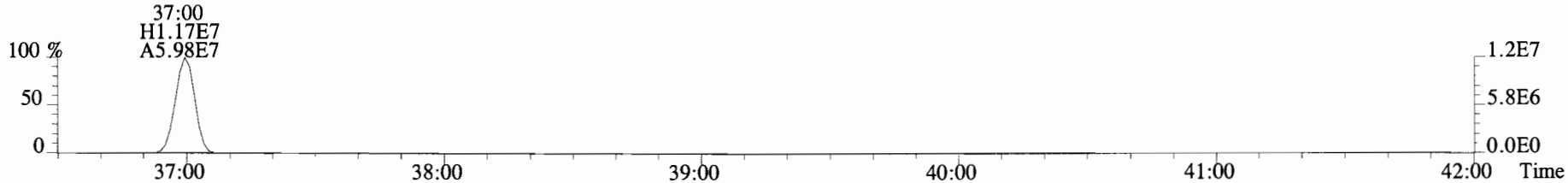
File:180208E1 #1-756 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1812.0,0.00%,F,F)



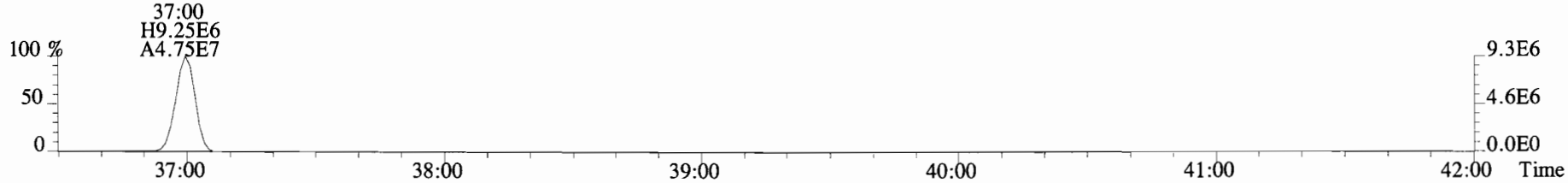

361.8385 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1692.0,0.00%,F,F)



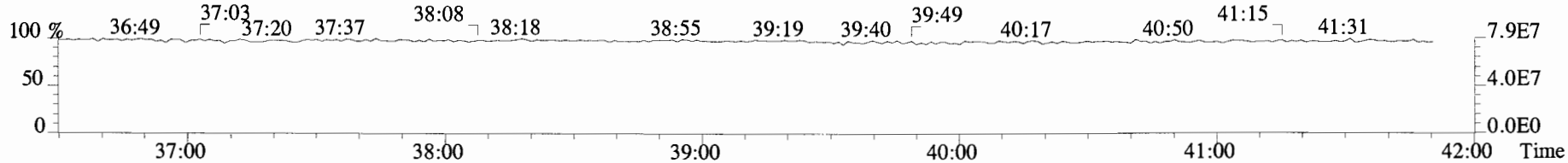

371.8817 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1804.0,0.00%,F,F)



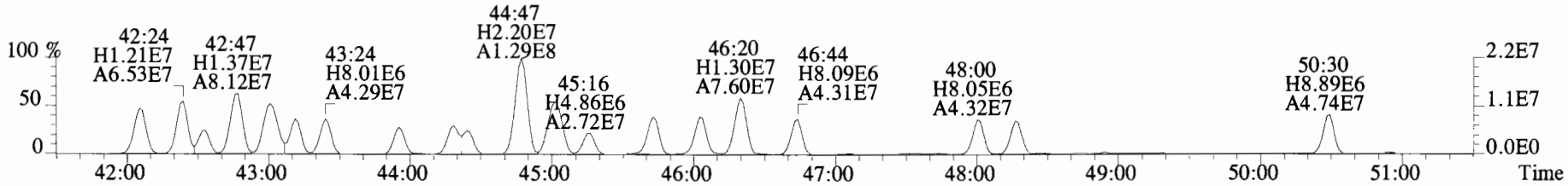

373.8788 S:4 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3536.0,0.00%,F,F)



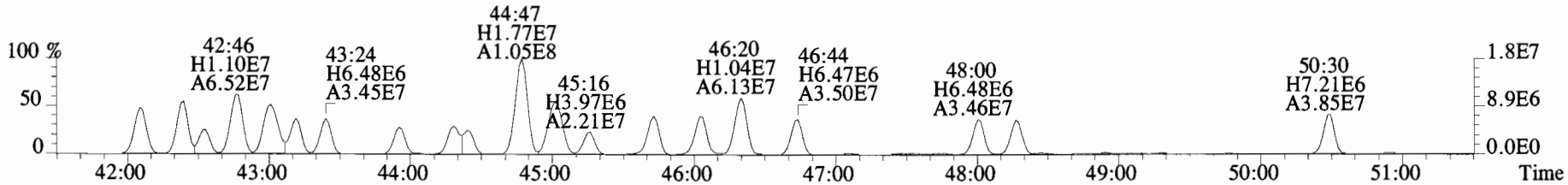

330.9792 S:4 F:3



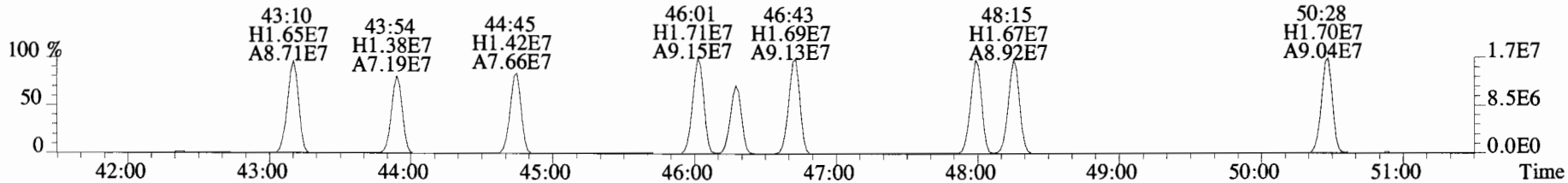
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,60908.0,0.00%,F,F)



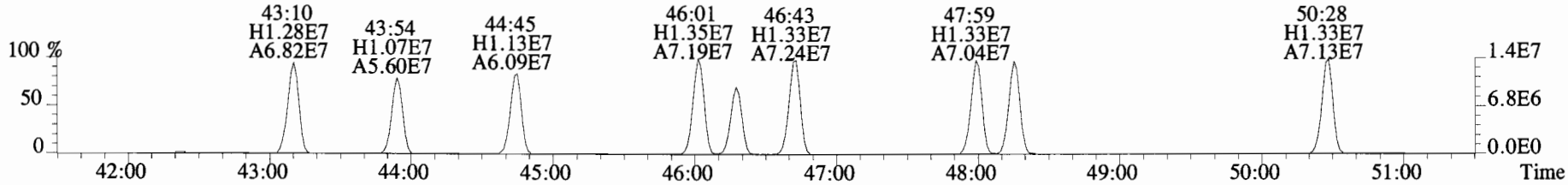

361.8385 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,50008.0,0.00%,F,F)



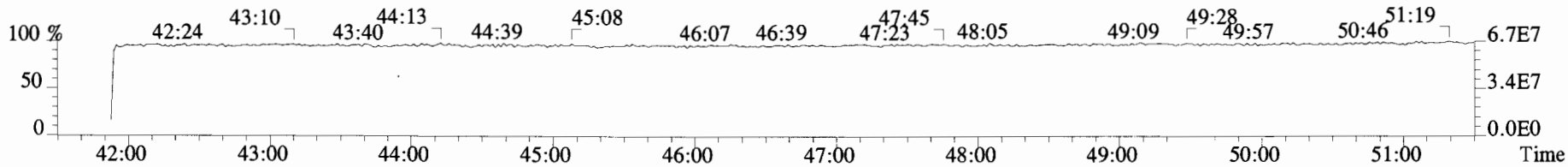

371.8817 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24460.0,0.00%,F,F)



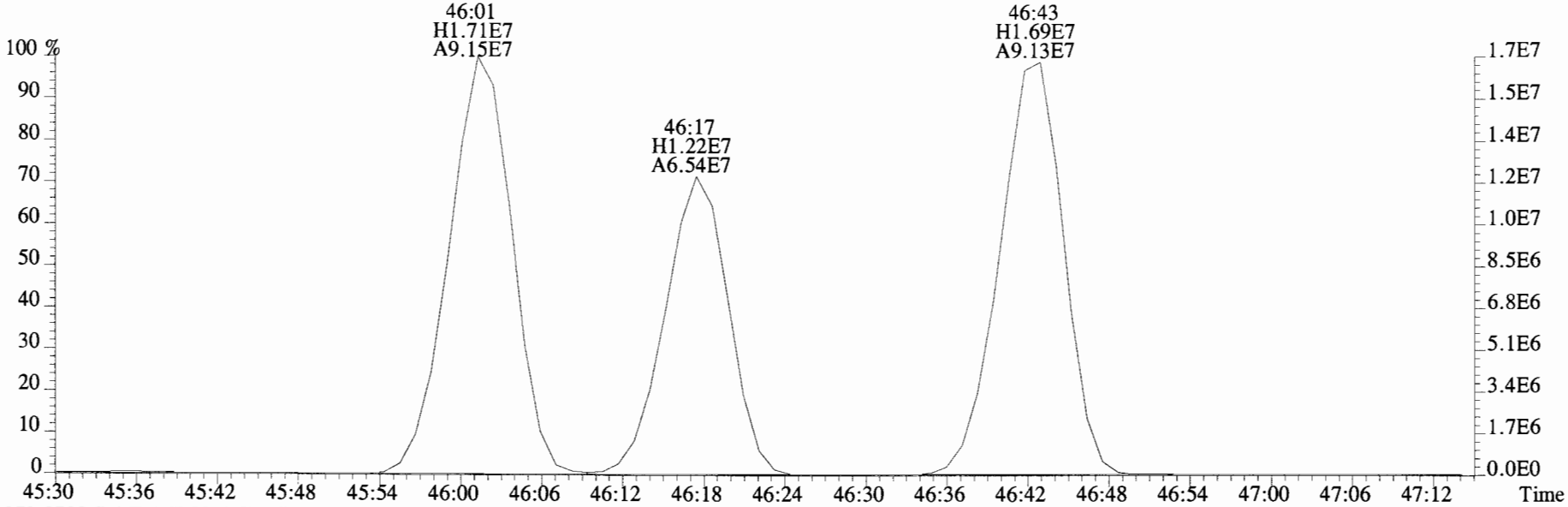

373.8788 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19756.0,0.00%,F,F)



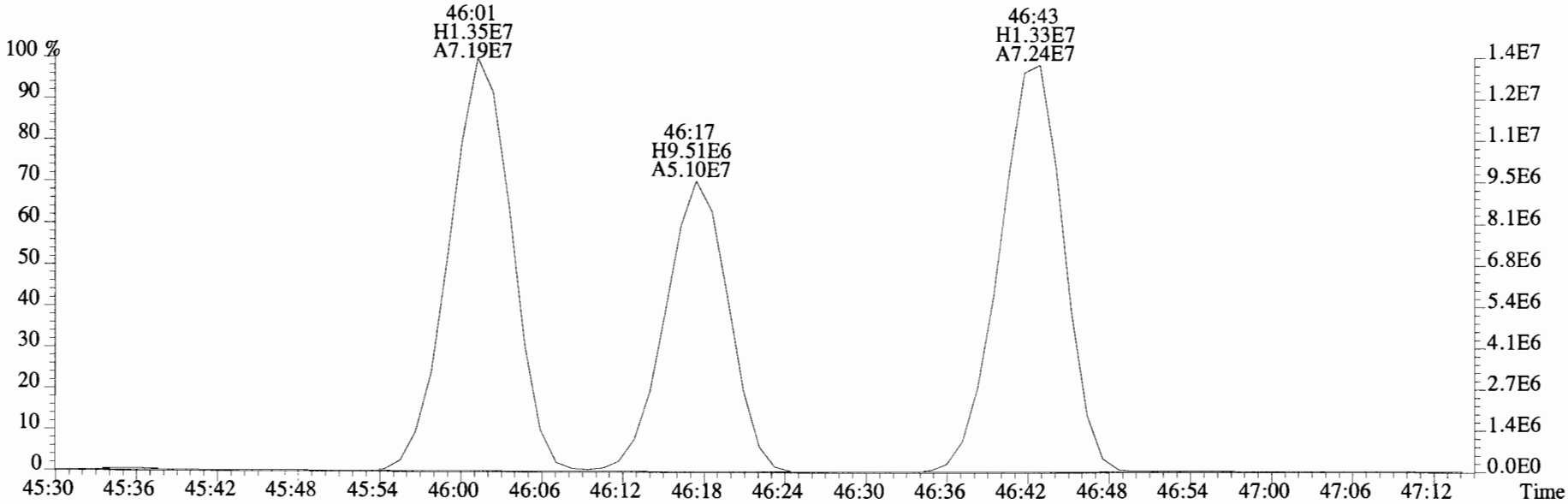

380.9760 S:4 F:4



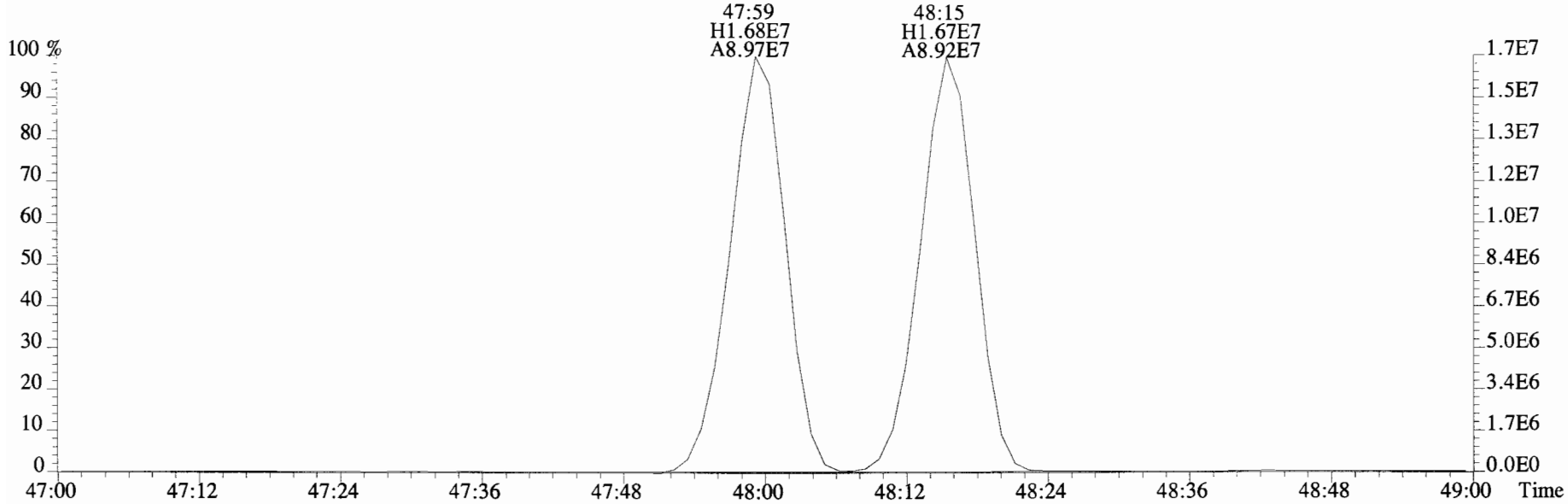
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
371.8817 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24460.0,0.00%,F,F)



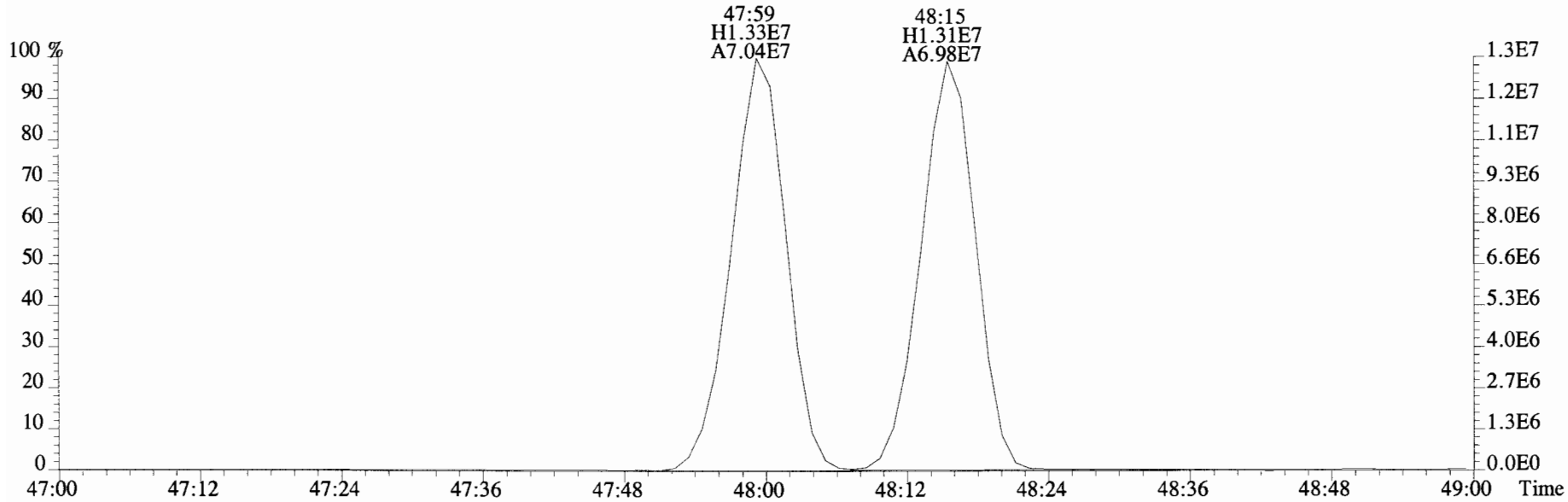

373.8788 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19756.0,0.00%,F,F)



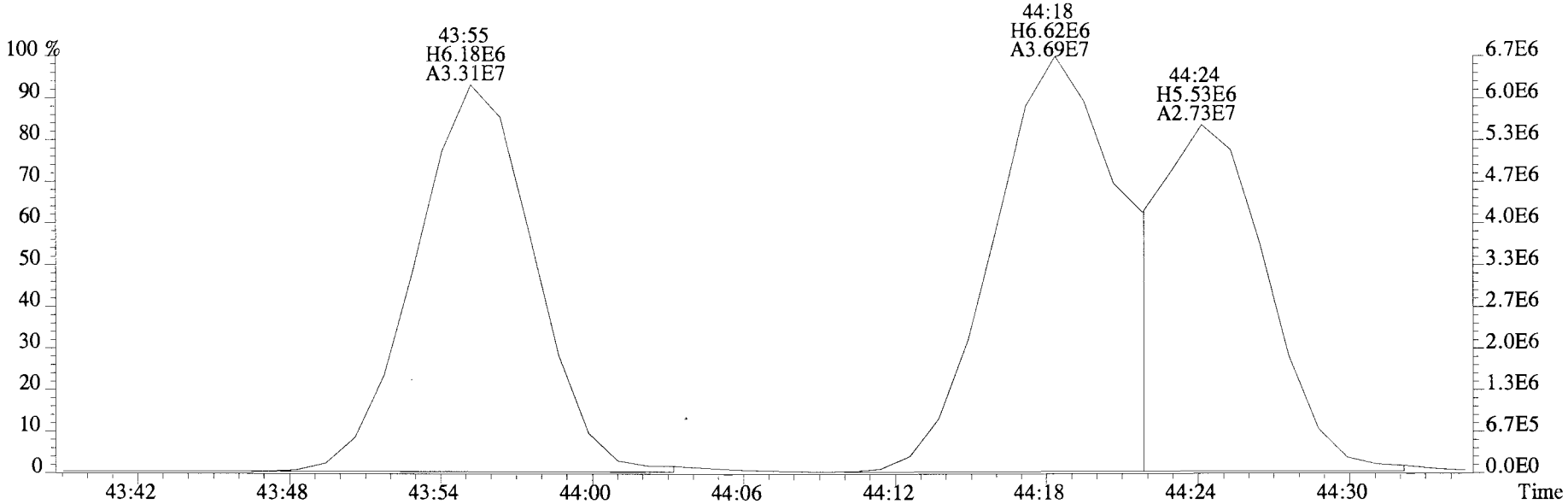
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
371.8817 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,24460.0,0.00%,F,F)



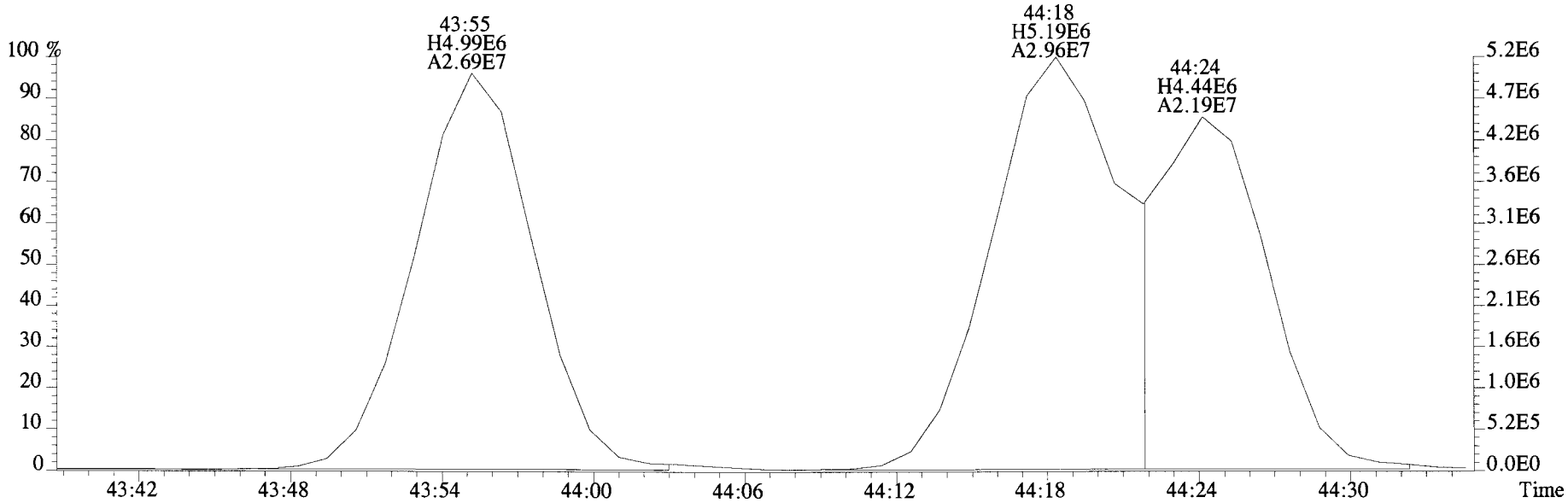

373.8788 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19756.0,0.00%,F,F)



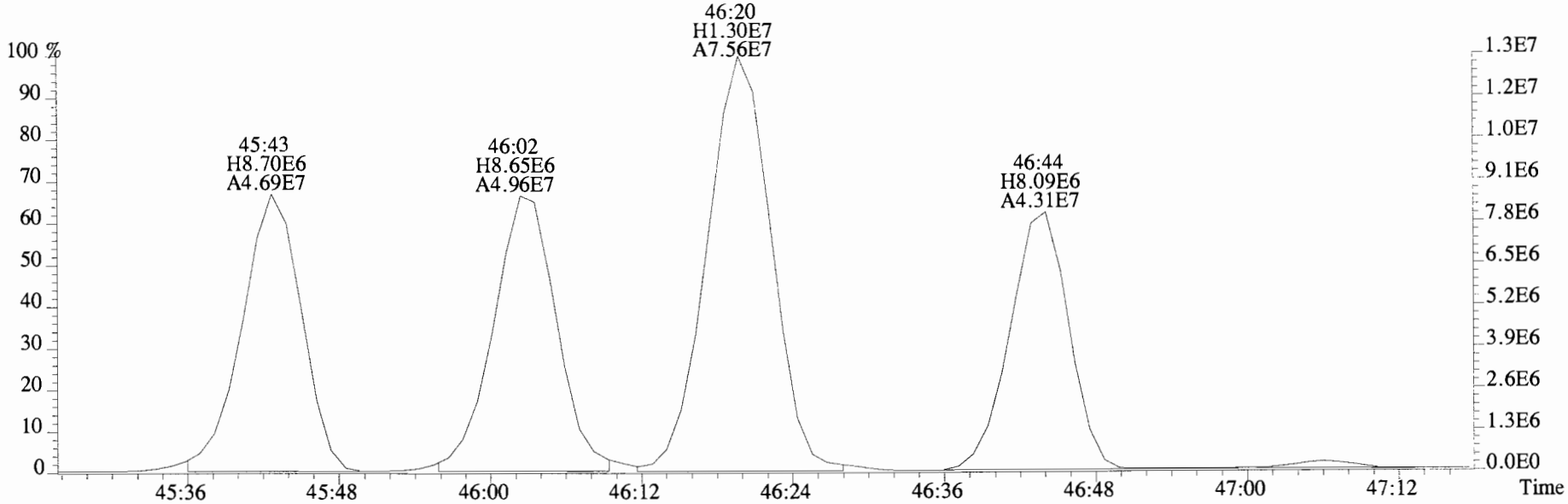
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,60908.0,0.00%,F,F)



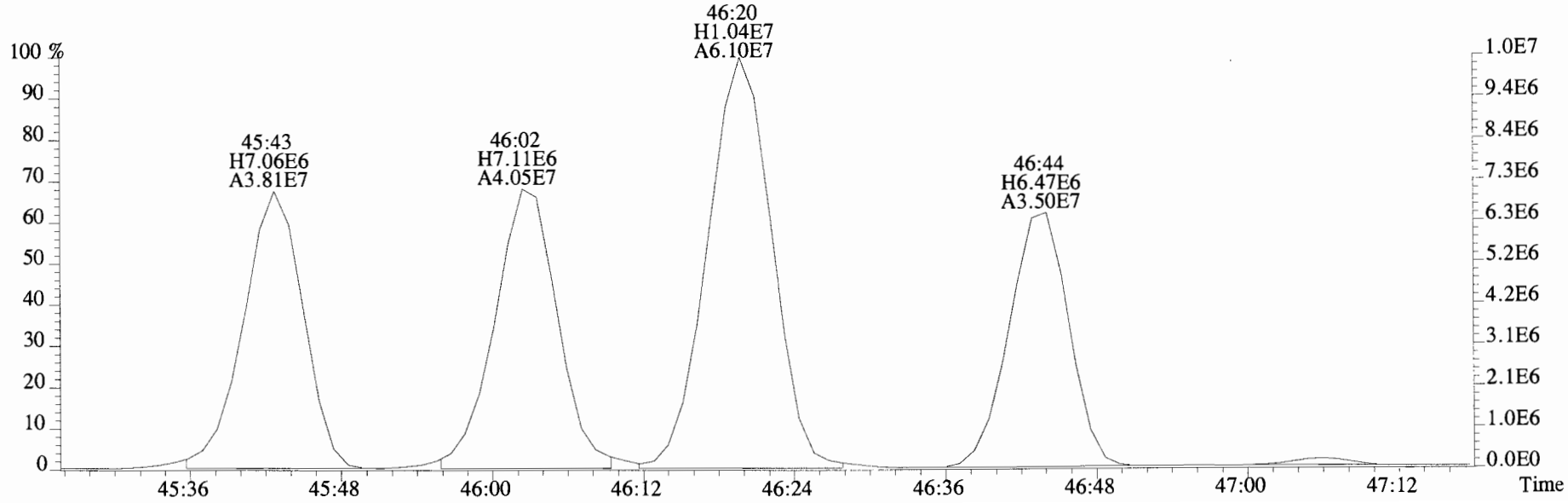

361.8385 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,50008.0,0.00%,F,F)



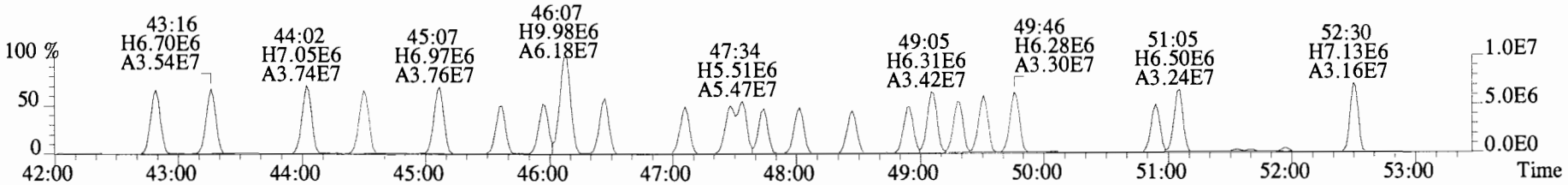
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
359.8415 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,60908.0,0.00%,F,F)



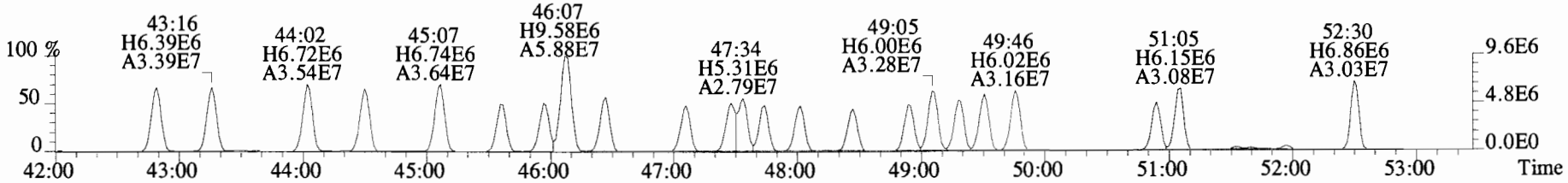

361.8385 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,50008.0,0.00%,F,F)



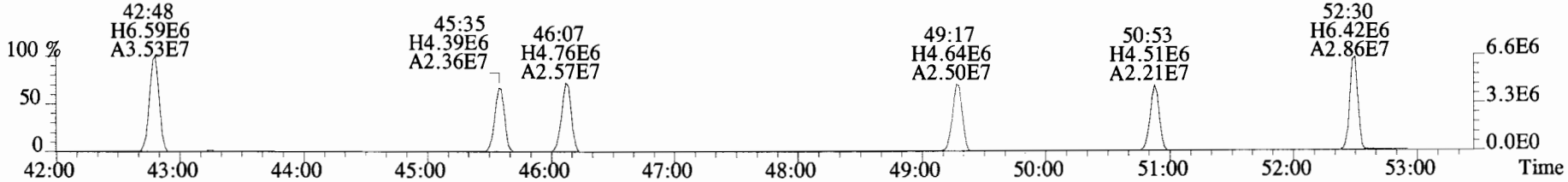
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
393.8025 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43436.0,0.00%,F,F)



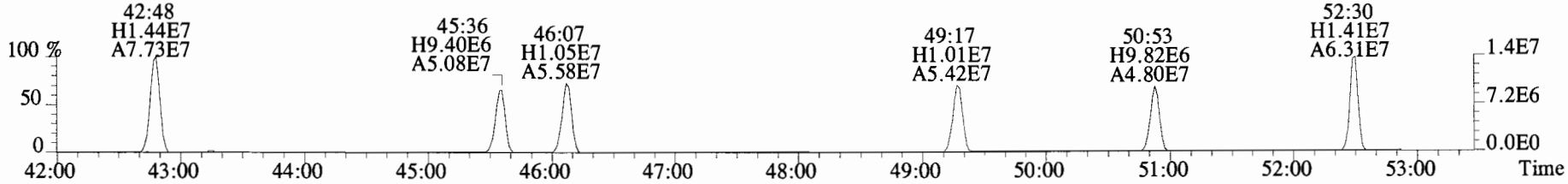

395.7995 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39792.0,0.00%,F,F)



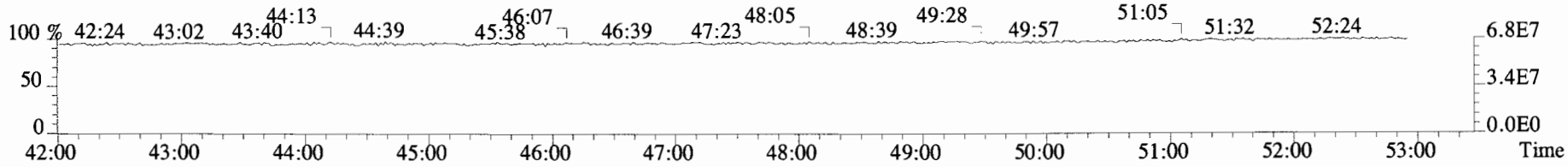

403.8457 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8856.0,0.00%,F,F)



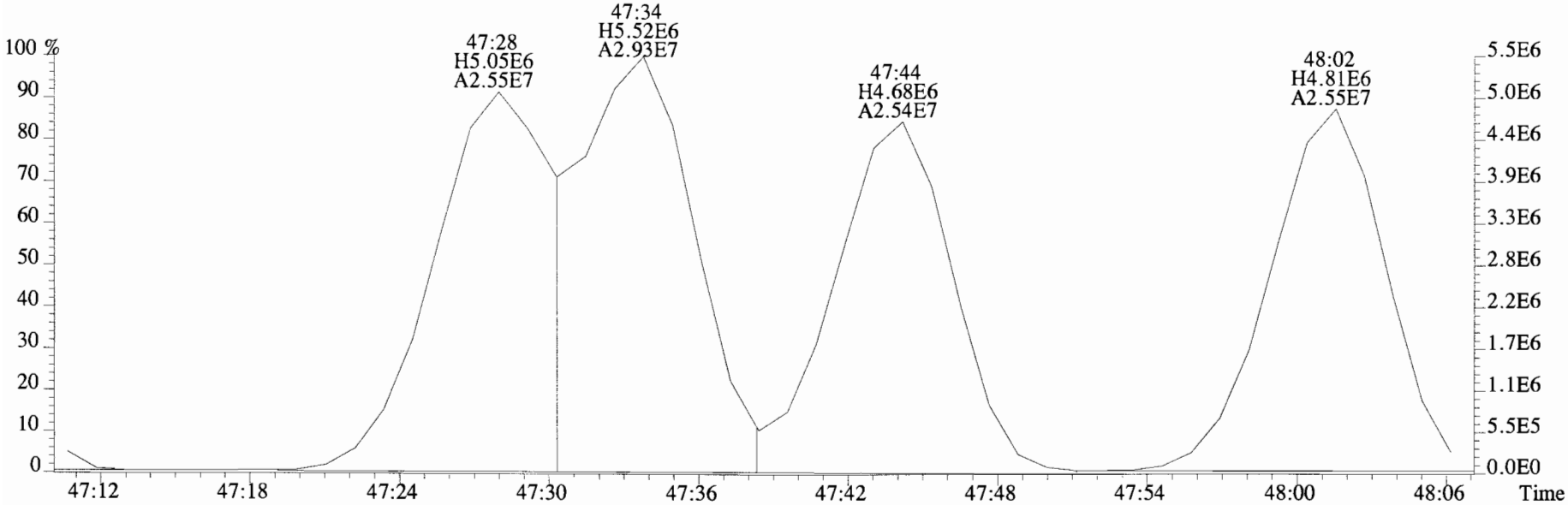

405.8428 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,16584.0,0.00%,F,F)



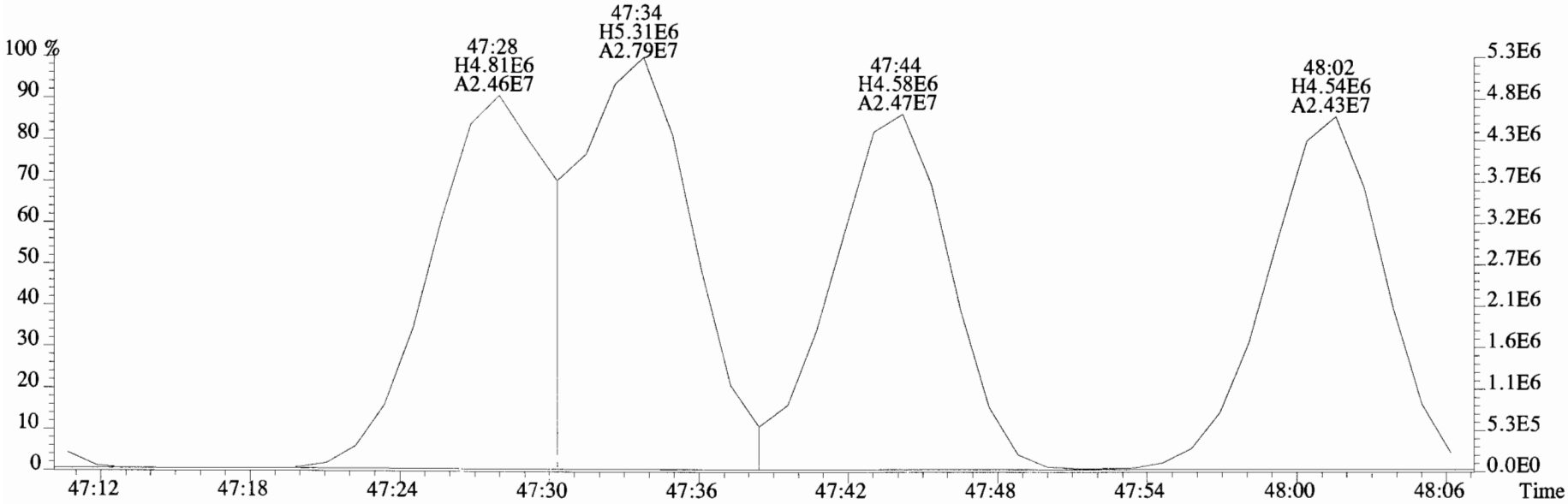

380.9760 S:4 F:4



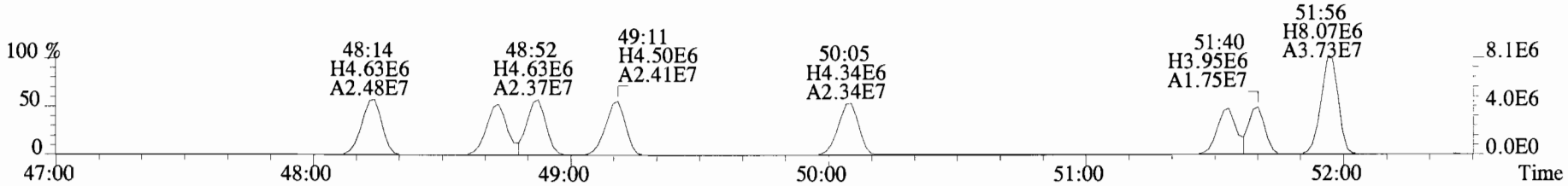
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
393.8025 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43436.0,0.00%,F,F)



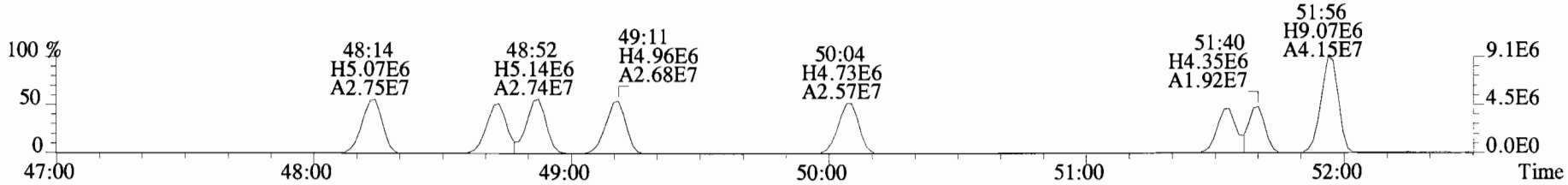

395.7995 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39792.0,0.00%,F,F)



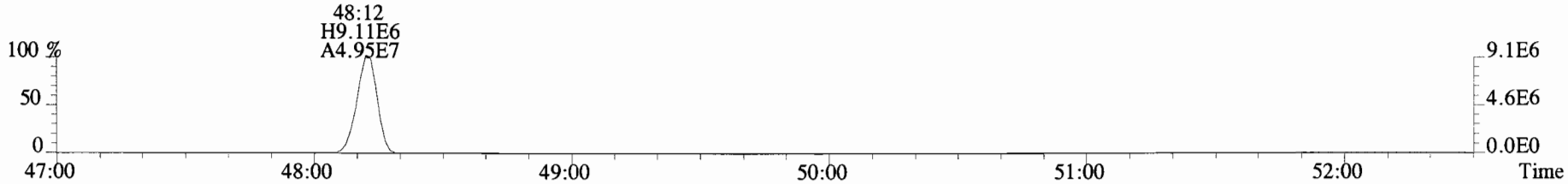
File:180208E1 #1-574 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
427.7635 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1764.0,0.00%,F,F)



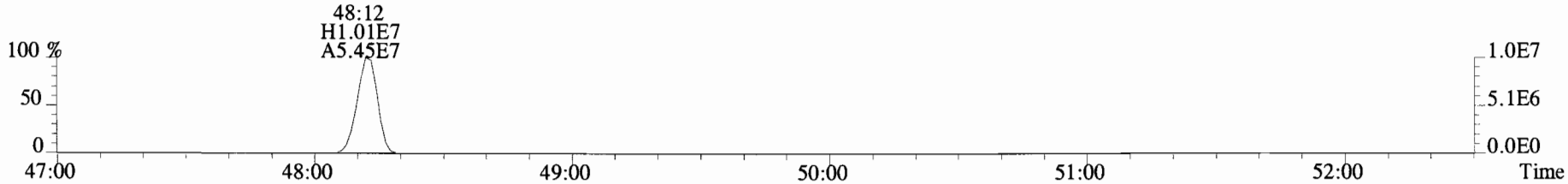

429.7606 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1516.0,0.00%,F,F)



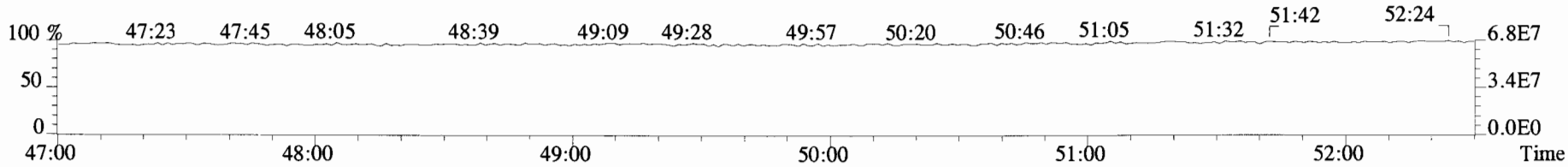

439.8038 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1792.0,0.00%,F,F)



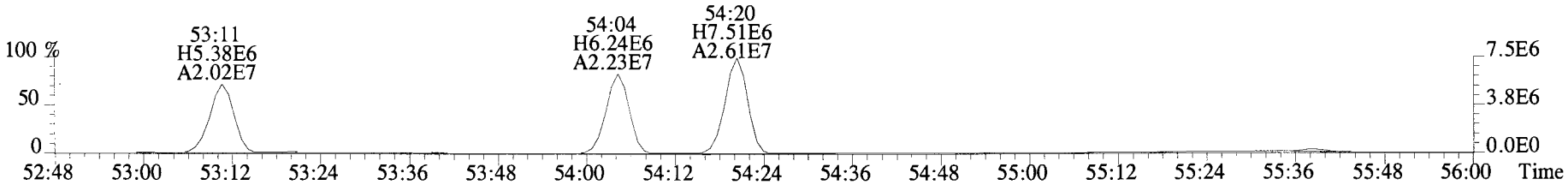

441.8008 S:4 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2288.0,0.00%,F,F)



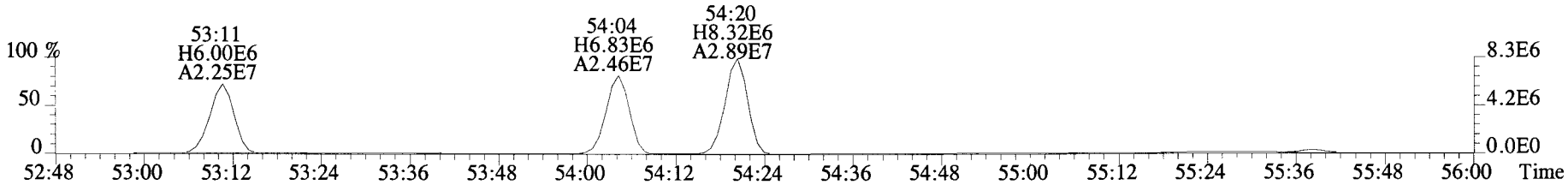

380.9760 S:4 F:4



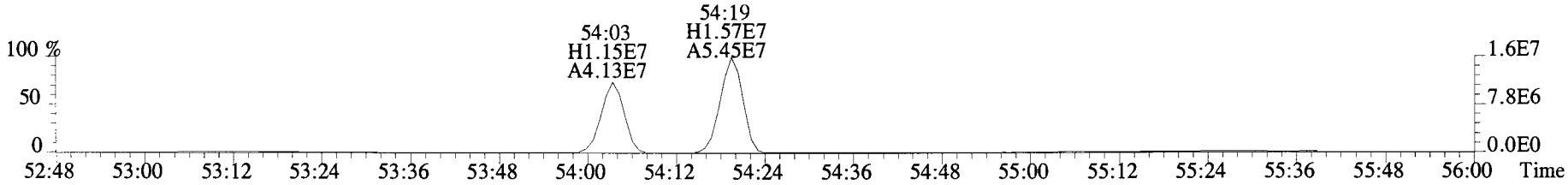
File:180208E1 #1-407 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SiR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
427.7635 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,39764.0,0.00%,F,F)



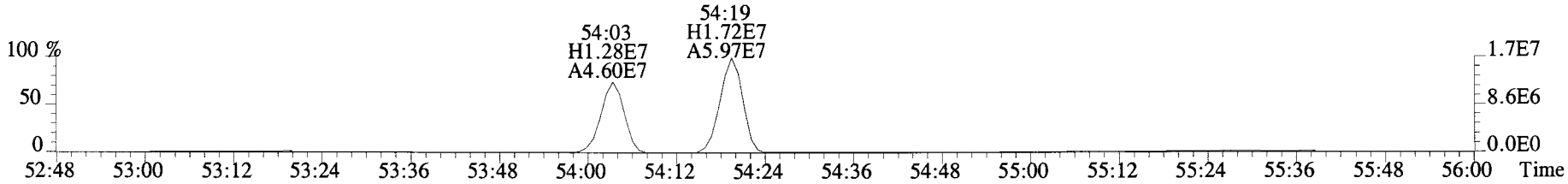

429.7606 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,33268.0,0.00%,F,F)



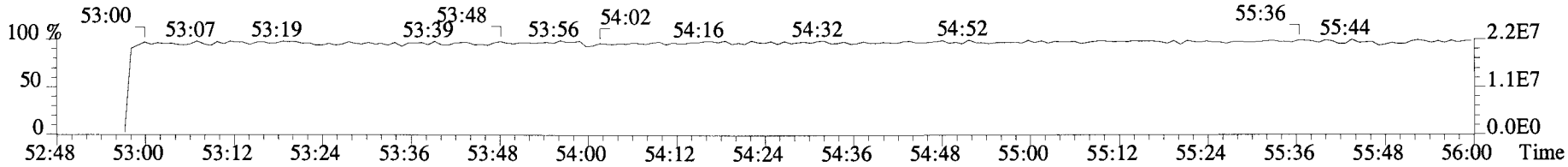

439.8038 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8472.0,0.00%,F,F)



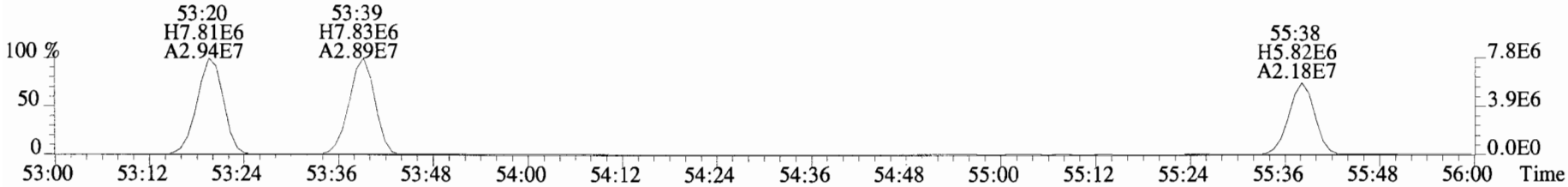

441.8008 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9876.0,0.00%,F,F)



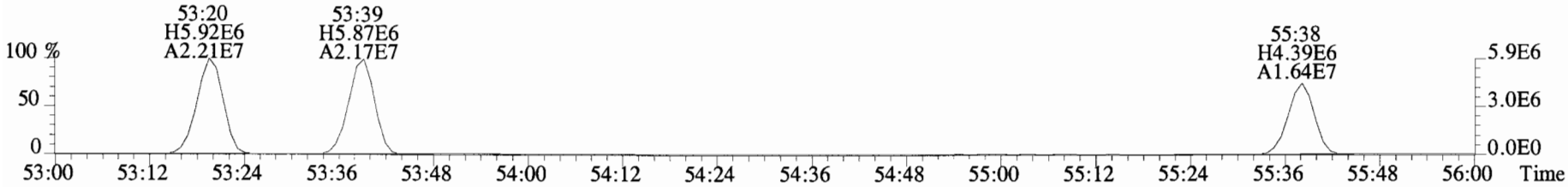

492.9697 S:4 F:5



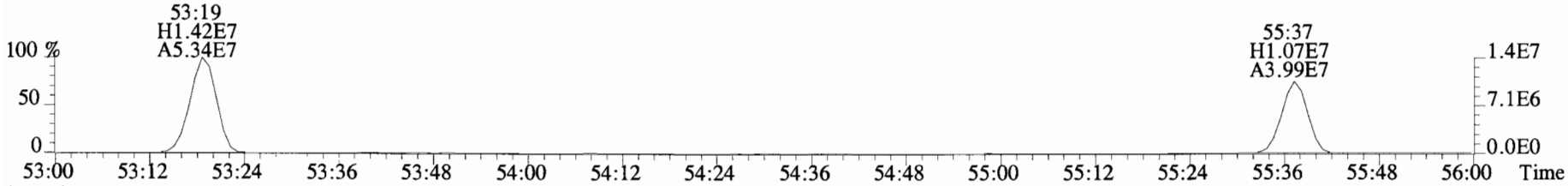
File:180208E1 #1-407 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
463.7216 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28604.0,0.00%,F,F)



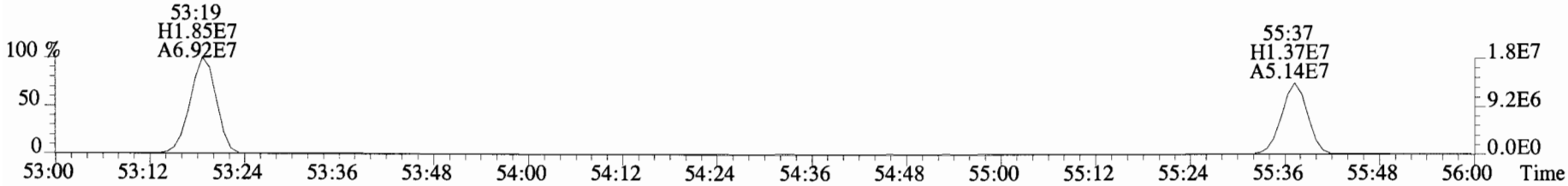

465.7186 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21100.0,0.00%,F,F)



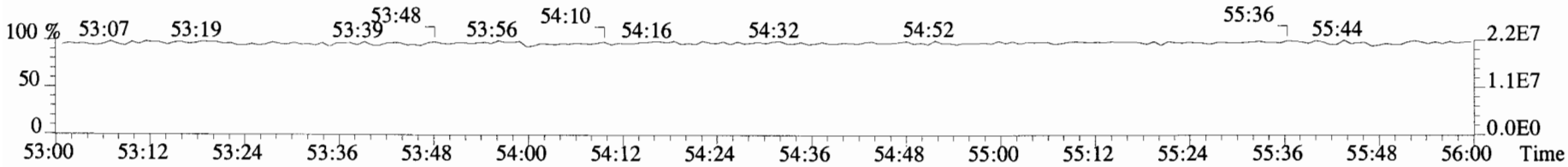

473.7648 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41640.0,0.00%,F,F)



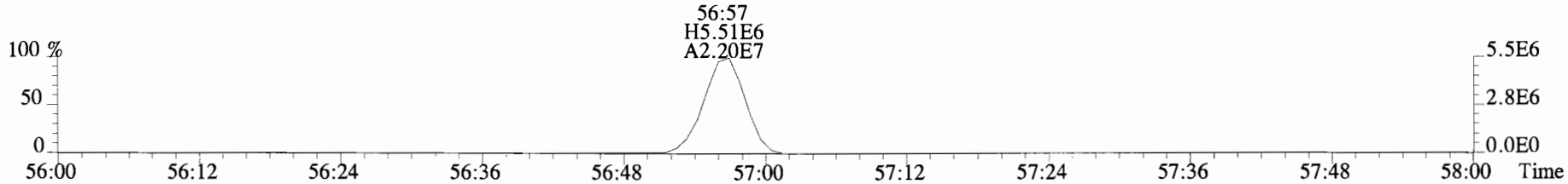

475.7619 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,50524.0,0.00%,F,F)



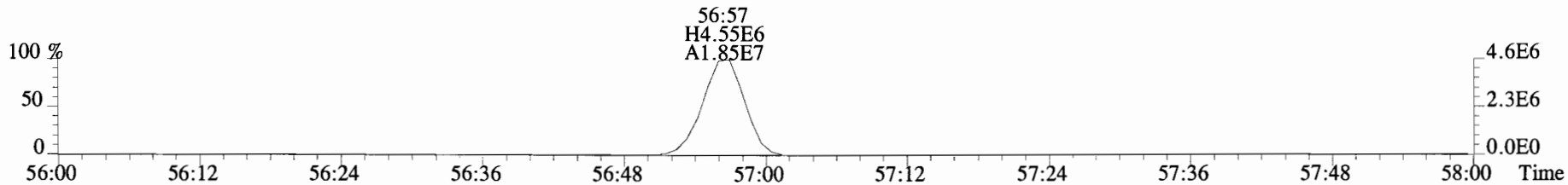

492.9697 S:4 F:5



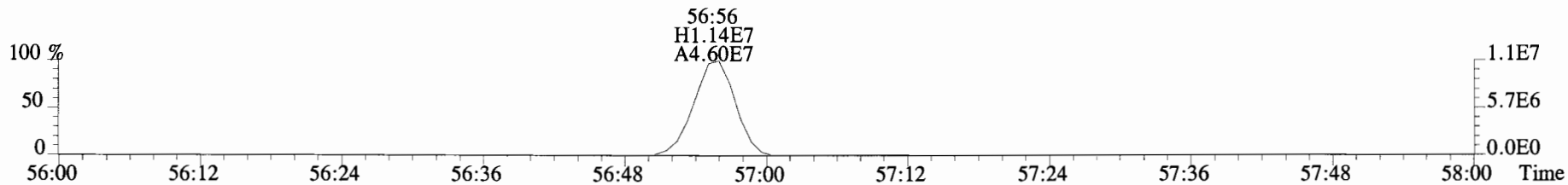
File:180208E1 #1-407 Acq: 8-FEB-2018 11:50:02 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-4 PCB CS3 17L3006 Exp:PCB_ZB1
497.6826 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1492.0,0.00%,F,F)



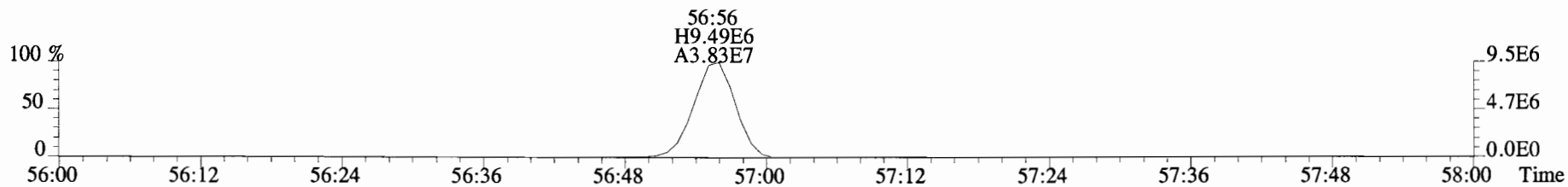

499.6797 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1396.0,0.00%,F,F)



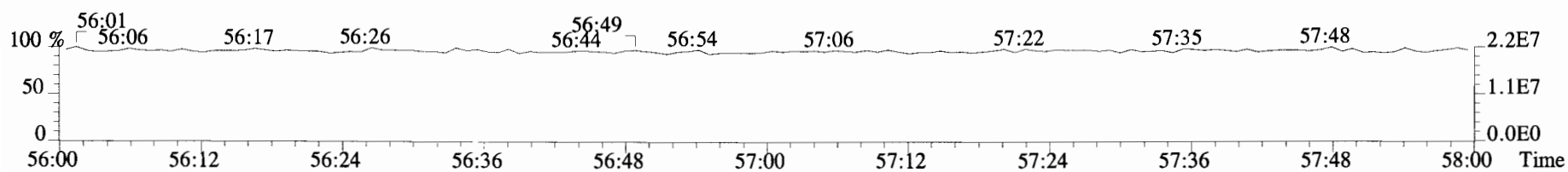

509.7229 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1512.0,0.00%,F,F)



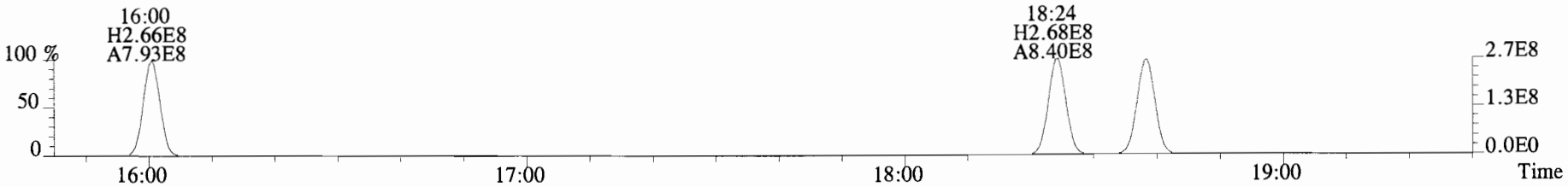

511.7199 S:4 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1476.0,0.00%,F,F)



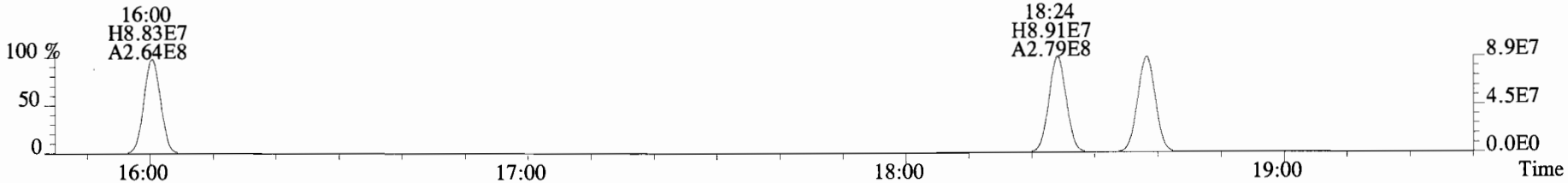

492.9697 S:4 F:5



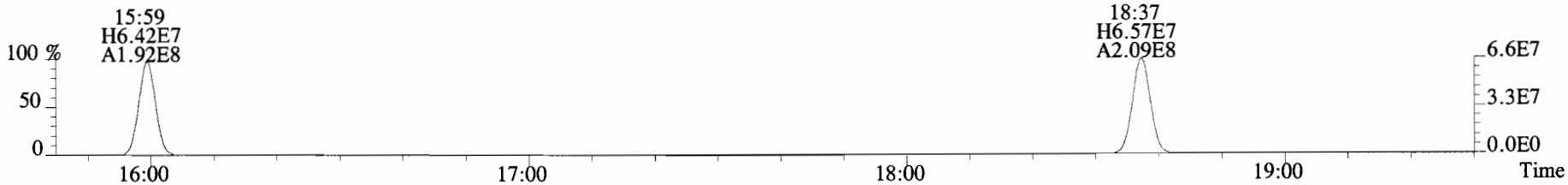
File:180208E1 #1-867 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
188.0393 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,11396.0,0.00%,F,F)



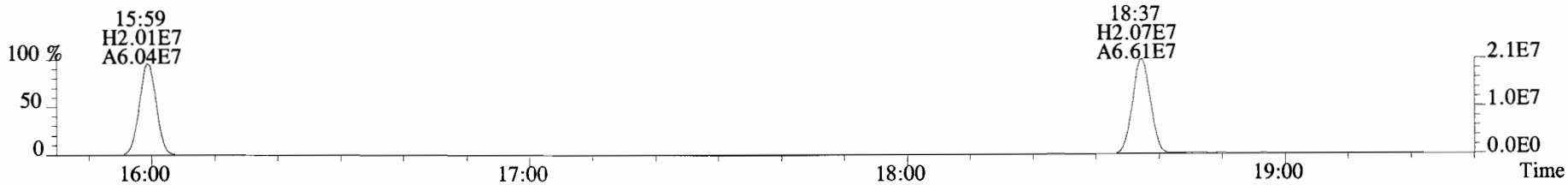

190.0363 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7896.0,0.00%,F,F)



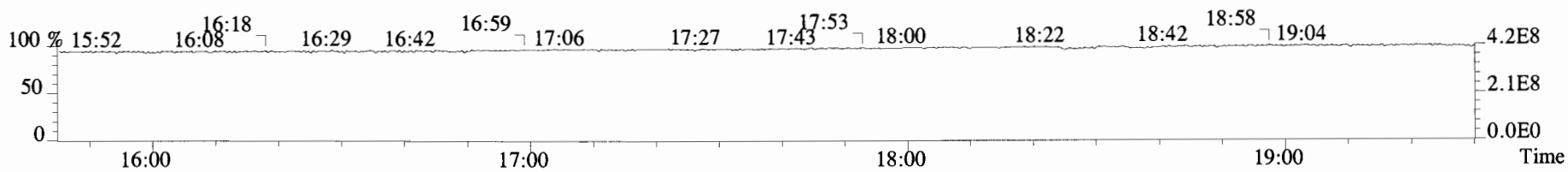

200.0795 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7952.0,0.00%,F,F)



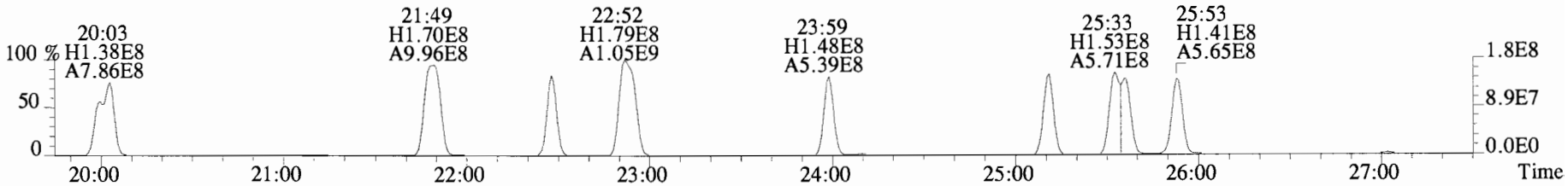

202.0766 S:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,42388.0,0.00%,F,F)



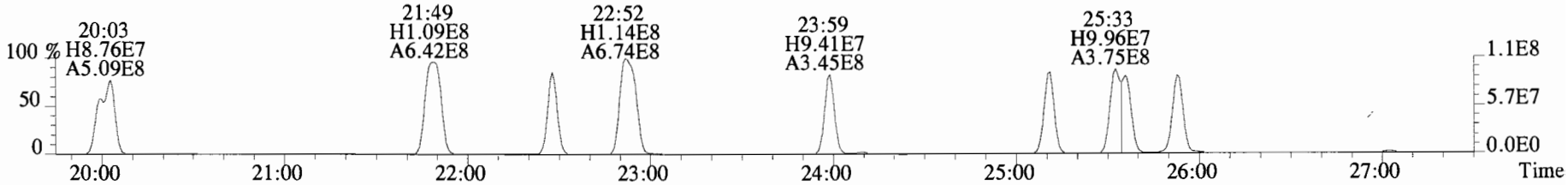

180.9880 S:5



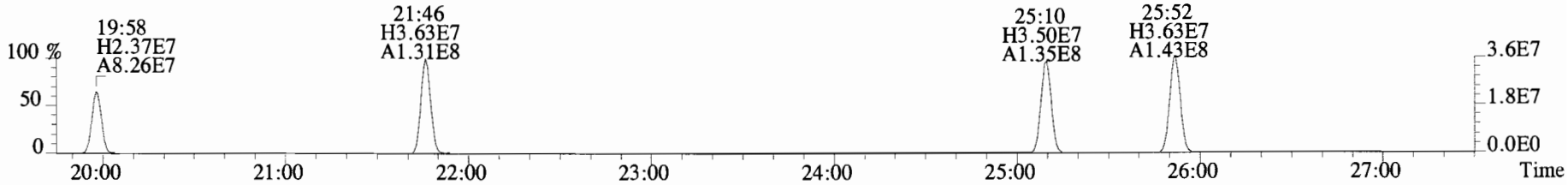
File:180208E1 #1-757 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
222.0003 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,45612.0,0.00%,F,F)



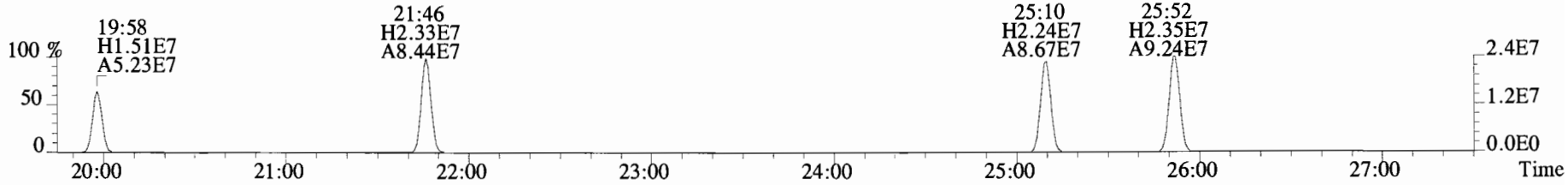

223.9974 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27936.0,0.00%,F,F)



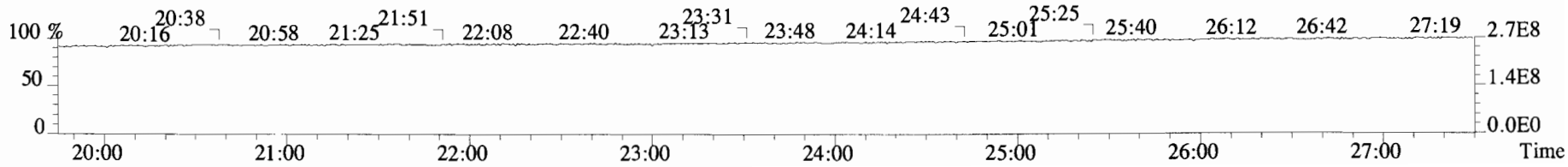

234.0406 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6268.0,0.00%,F,F)



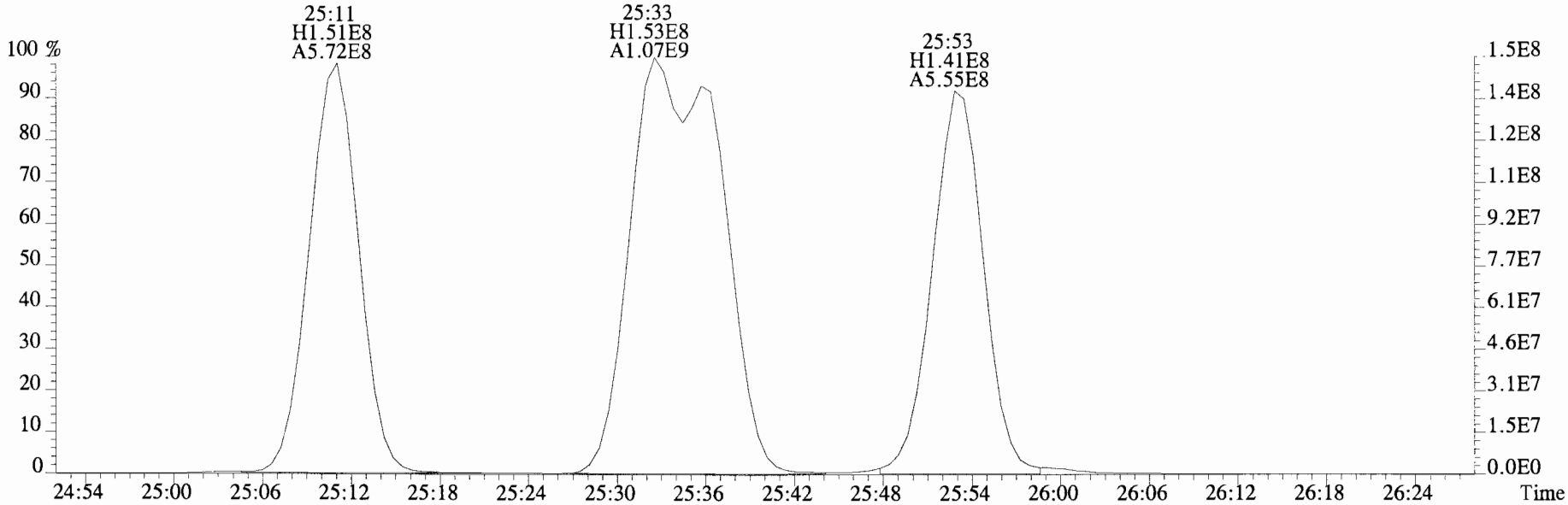

236.0376 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4688.0,0.00%,F,F)



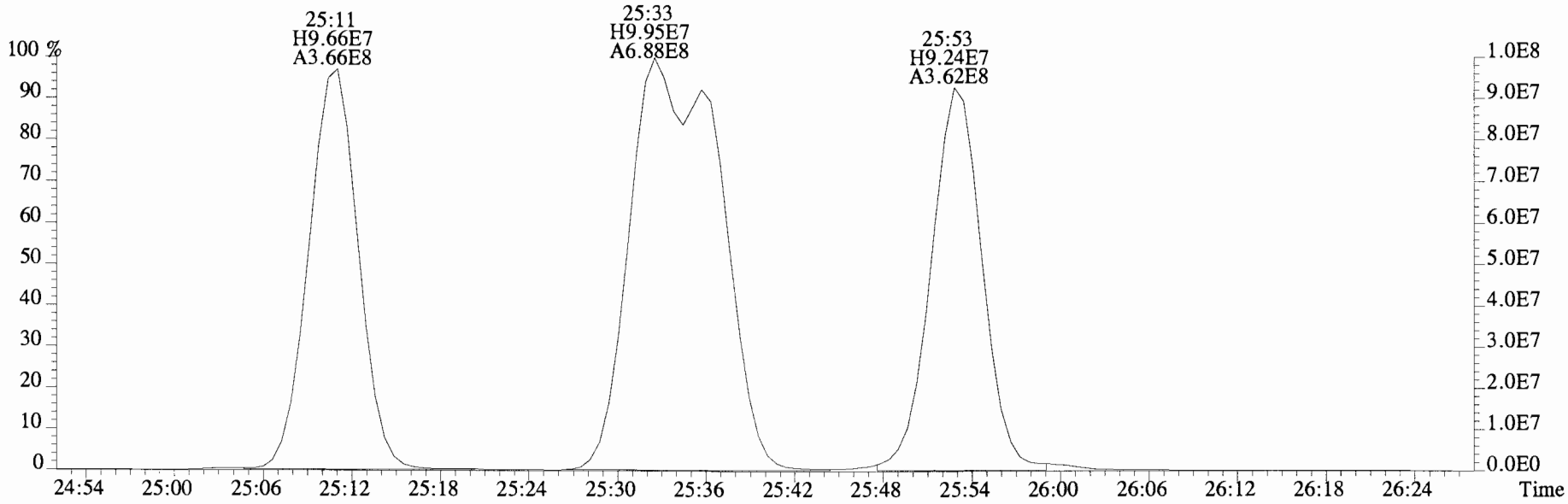

230.9856 S:5 F:2



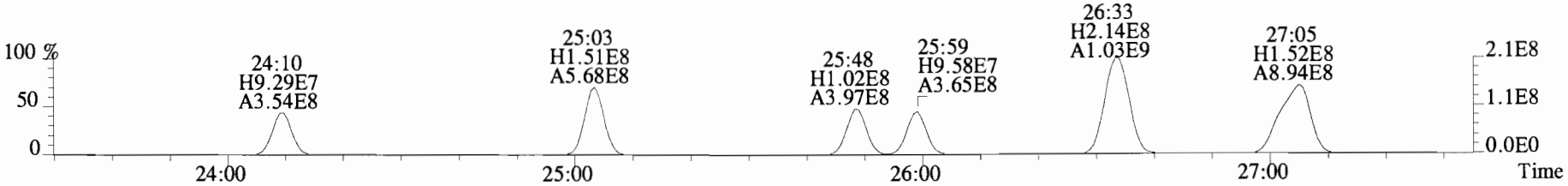
File:180208E1 #1-757 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
222.0003 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,45612.0,0.00%,F,F)



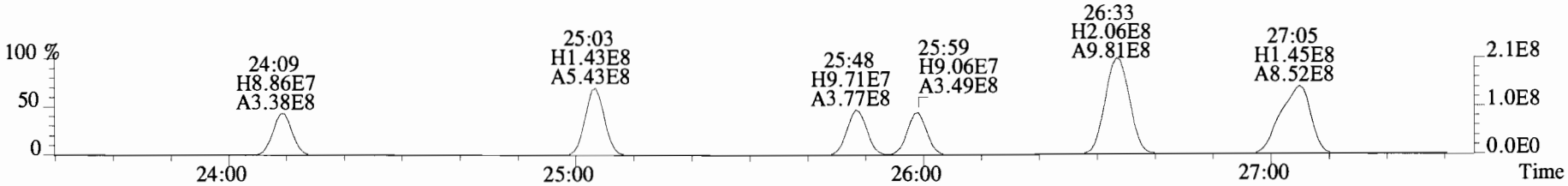

223.9974 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27936.0,0.00%,F,F)



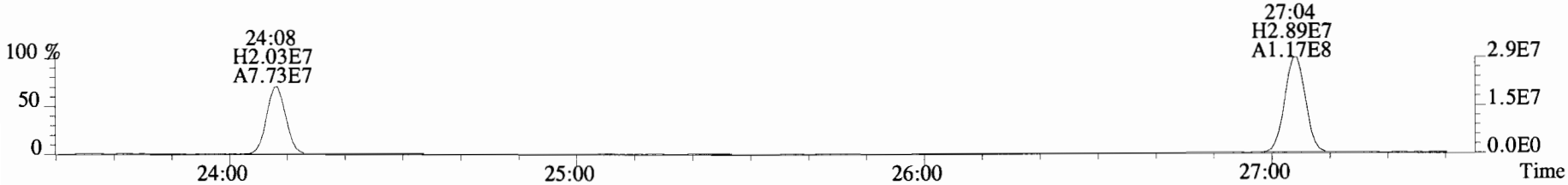
File:180208E1 #1-757 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
255.9613 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4388.0,0.00%,F,F)



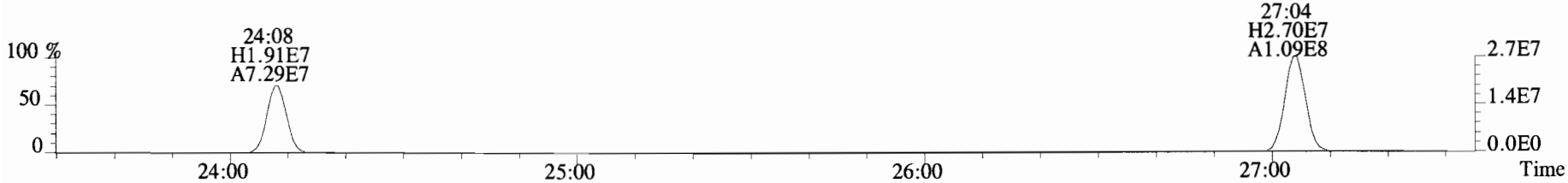

257.9584 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3040.0,0.00%,F,F)



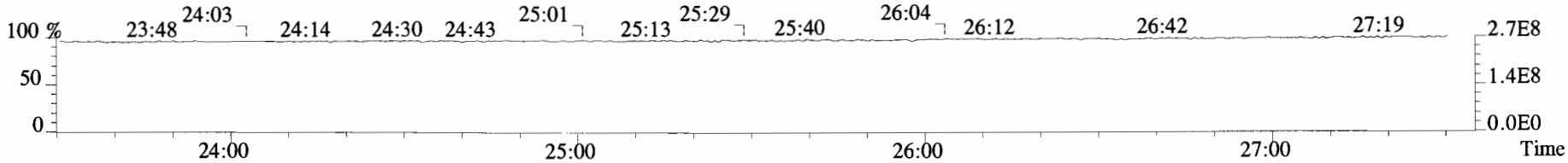

268.0016 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,113860.0,0.00%,F,F)



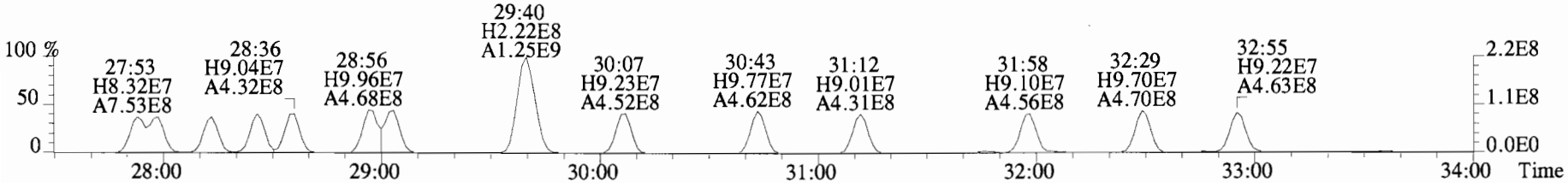

269.9986 S:5 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,43432.0,0.00%,F,F)



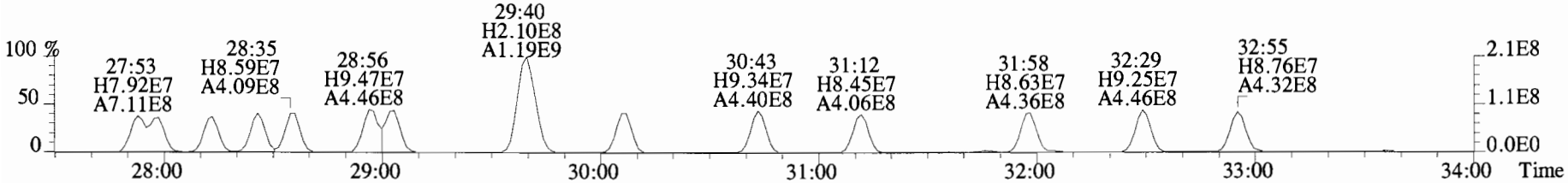

230.9856 S:5 F:2



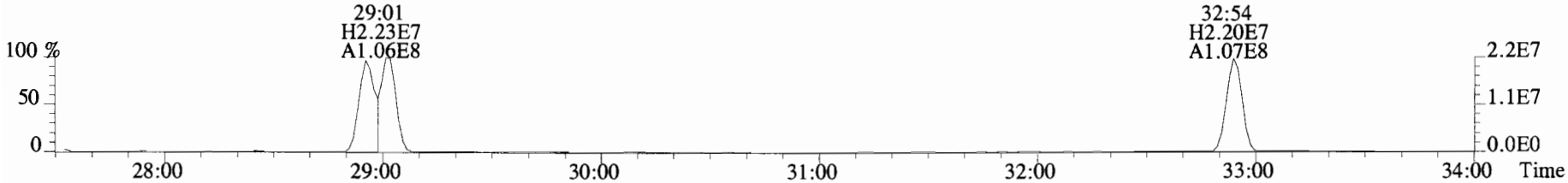
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
255.9613 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,133028.0,0.00%,F,F)



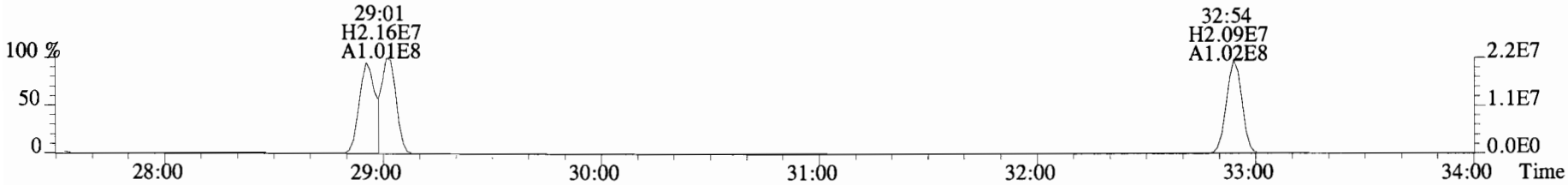

257.9584 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,103180.0,0.00%,F,F)



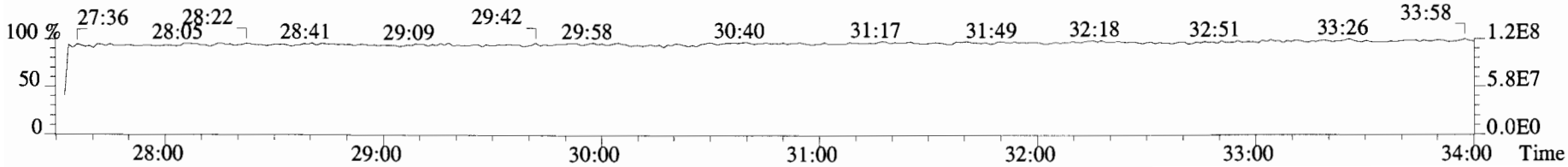

268.0016 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,74576.0,0.00%,F,F)



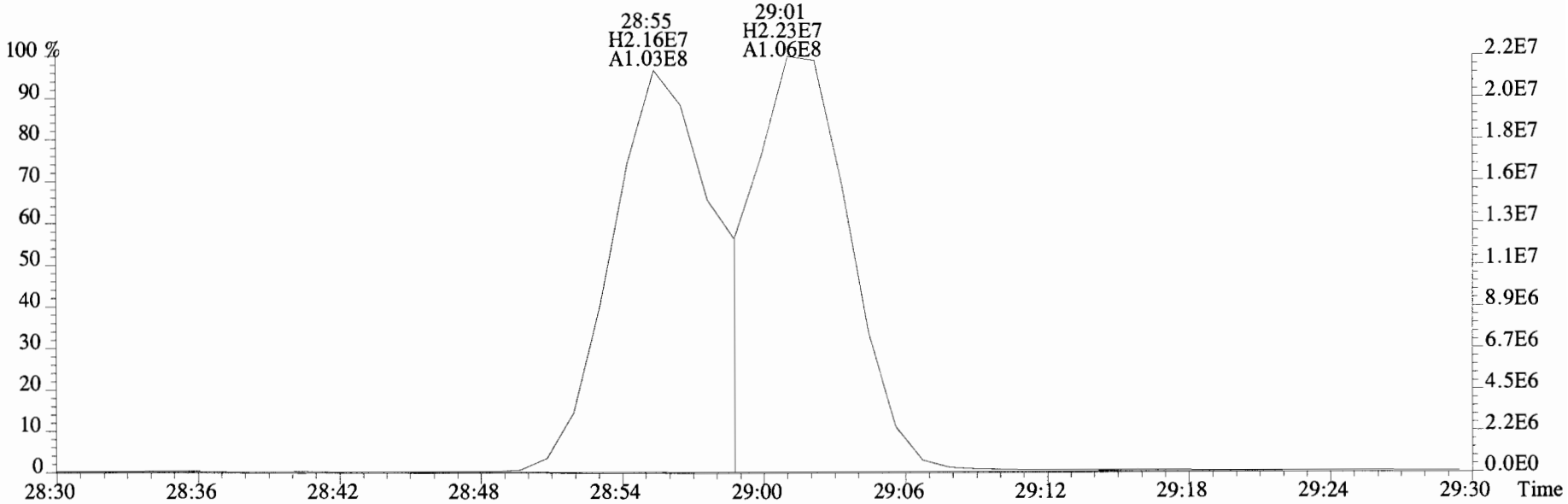

269.9986 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28852.0,0.00%,F,F)



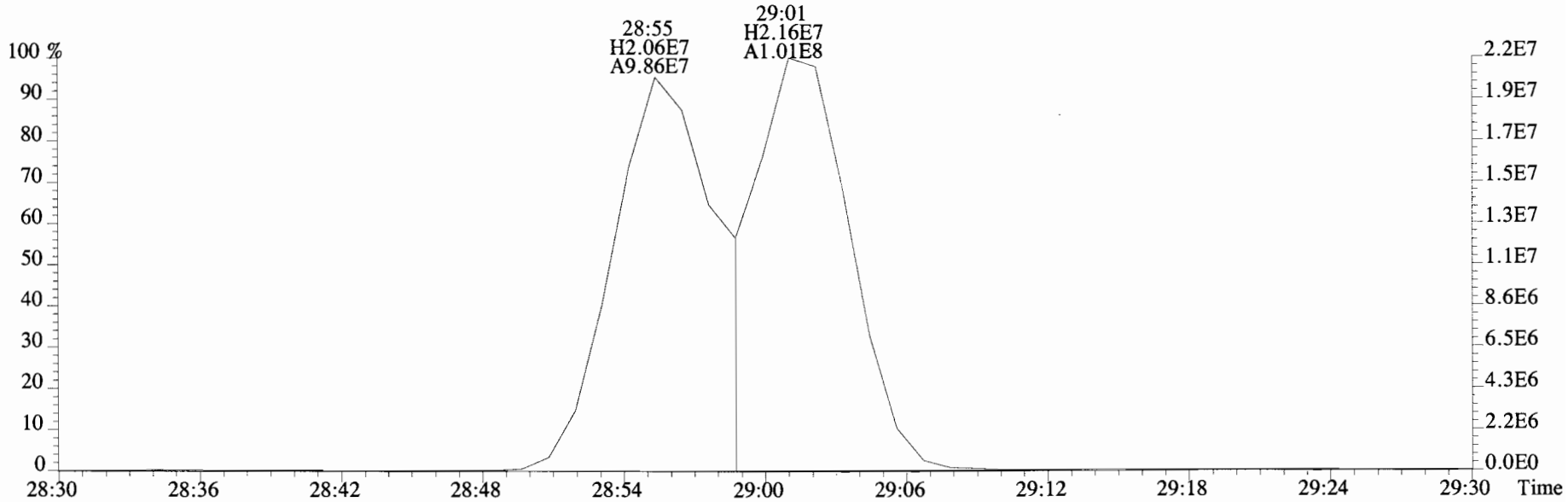

330.9792 S:5 F:3



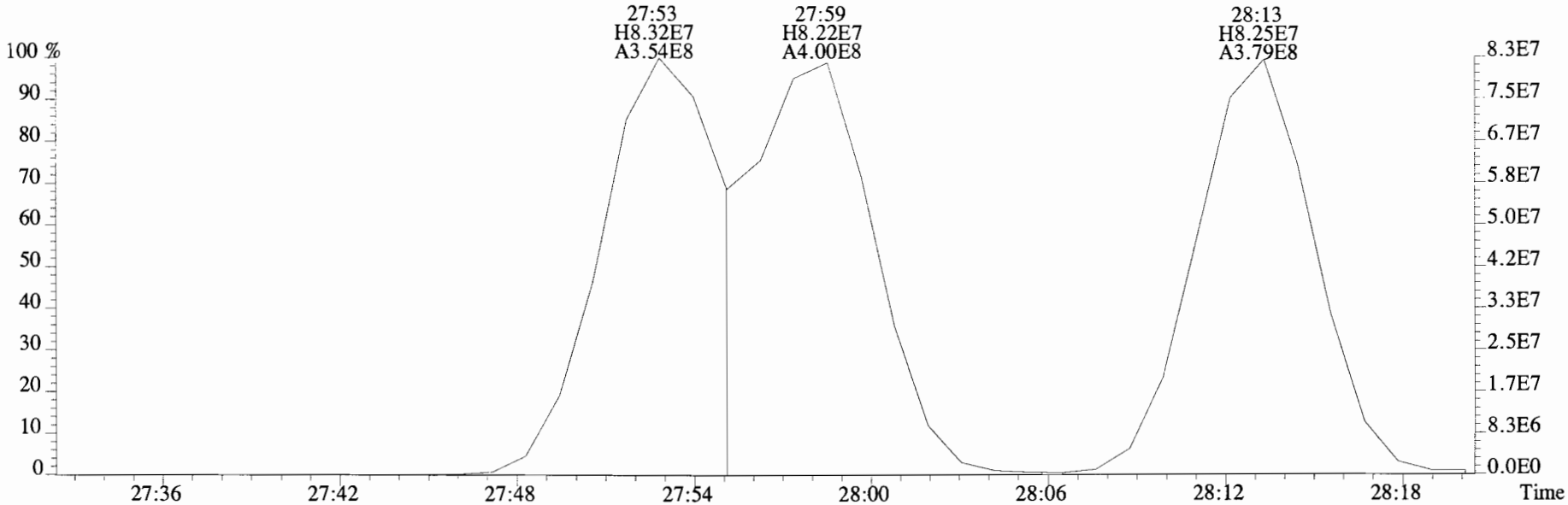
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
268.0016 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,74576.0,0.00%,F,F)



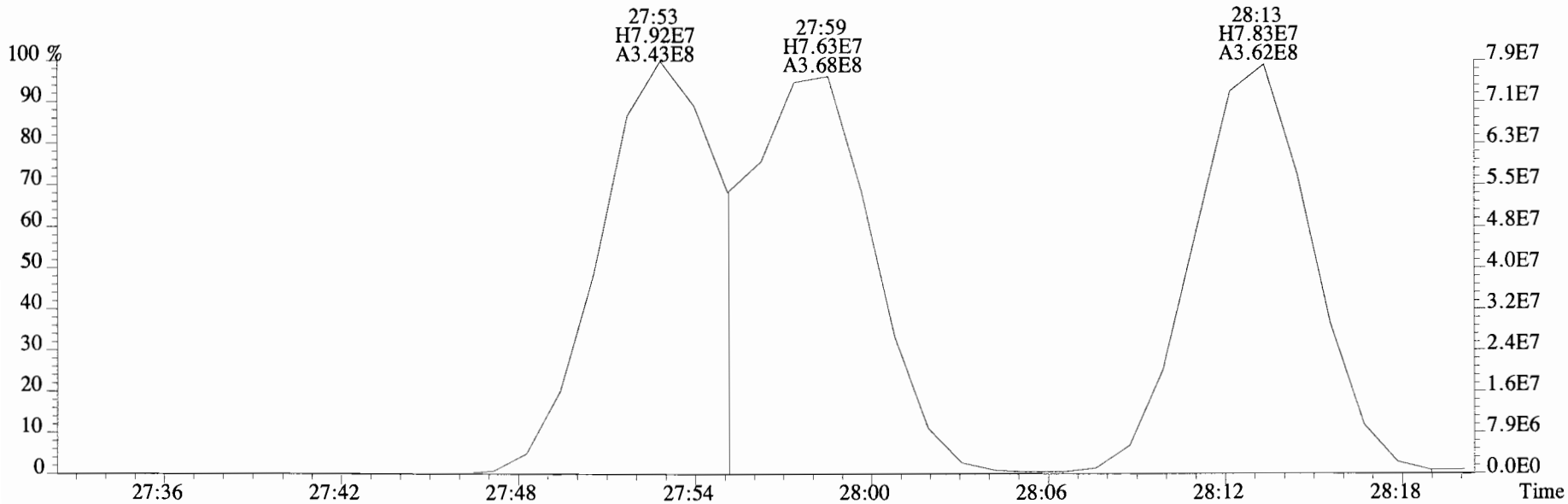

269.9986 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28852.0,0.00%,F,F)



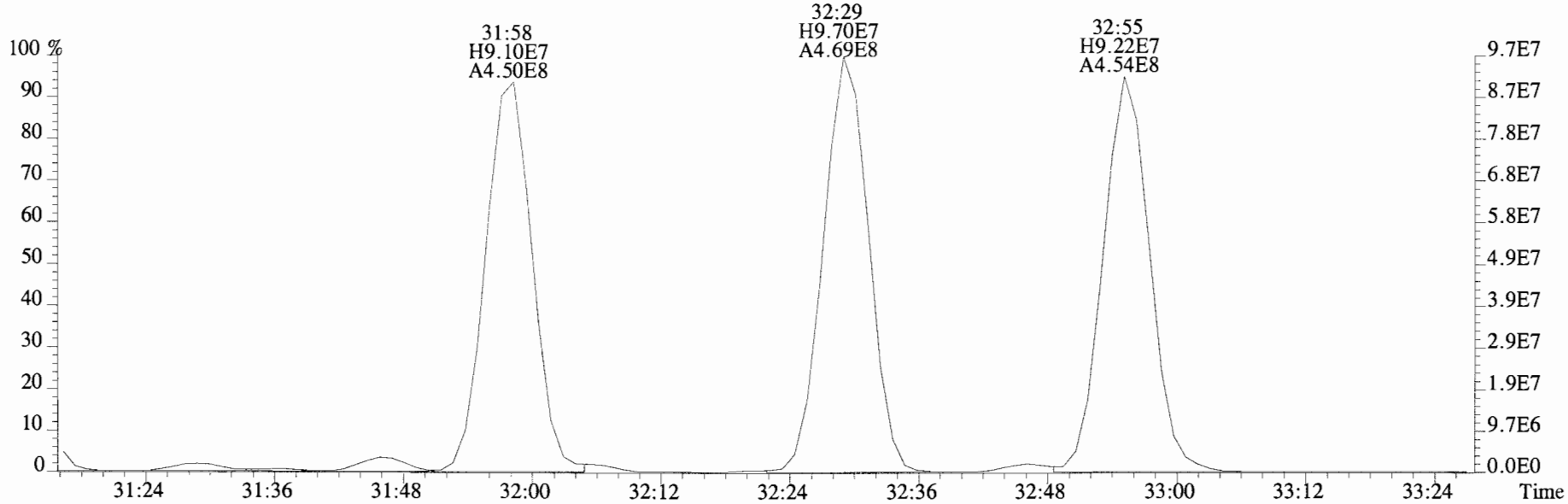
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
255.9613 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,133028.0,0.00%,F,F)



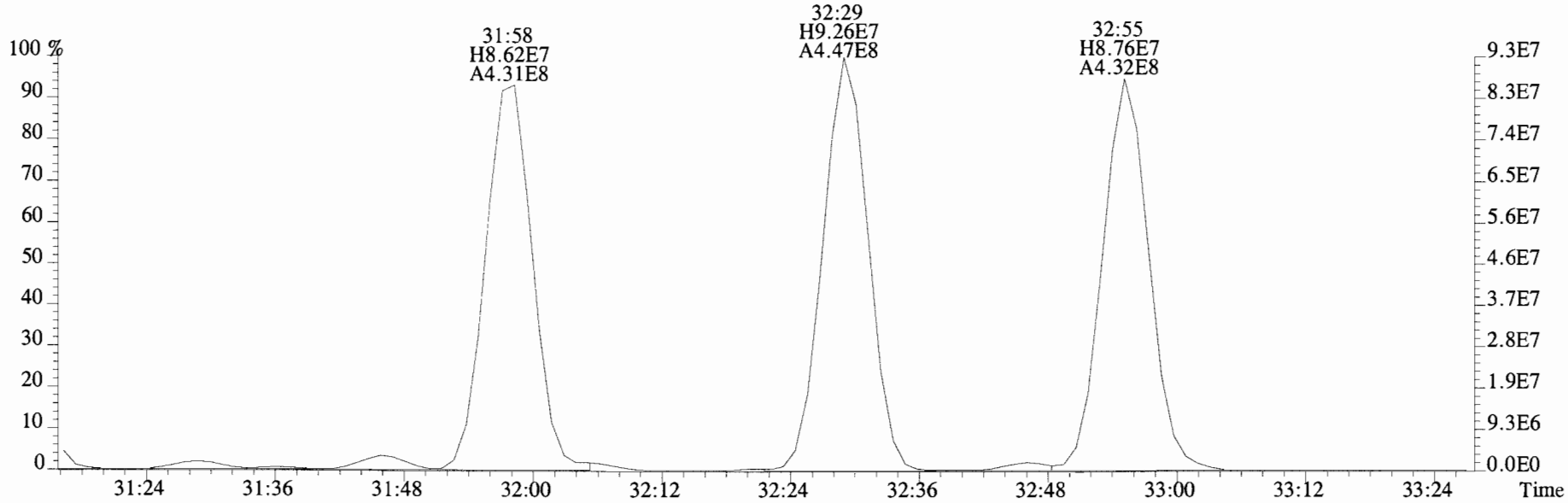

257.9584 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,103180.0,0.00%,F,F)



File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
255.9613 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,133028.0,0.00%,F,F)

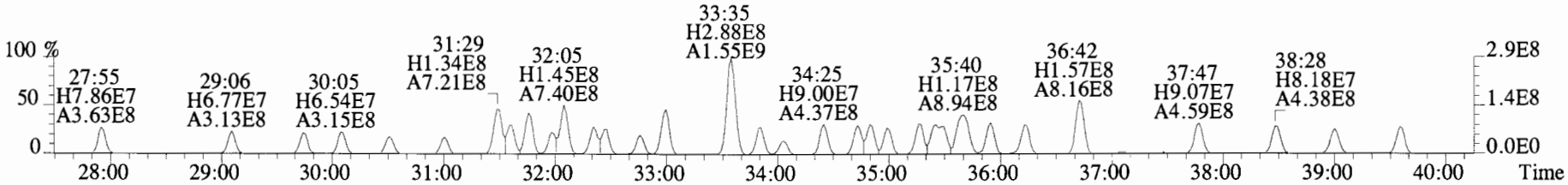



257.9584 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,103180.0,0.00%,F,F)

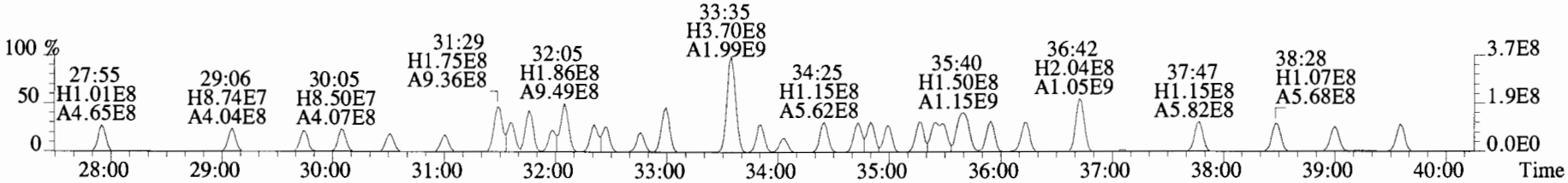


File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1

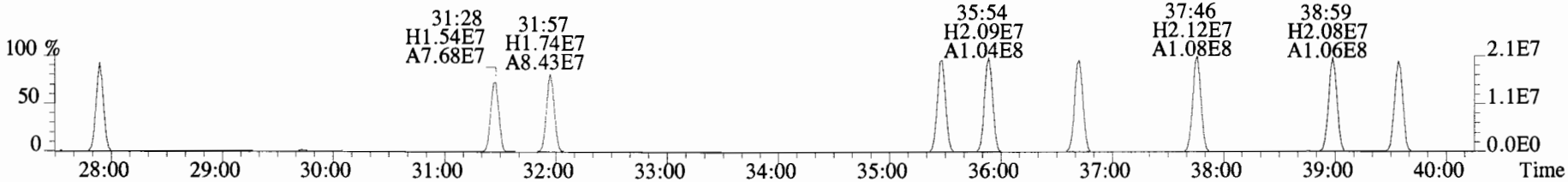
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,195004.0,0.00%,F,F)



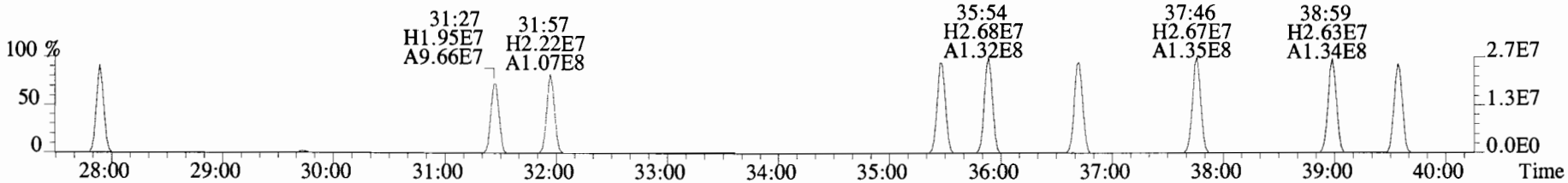

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,242576.0,0.00%,F,F)



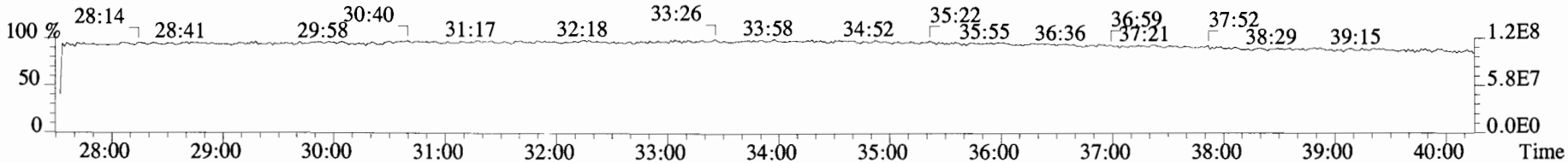

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41456.0,0.00%,F,F)



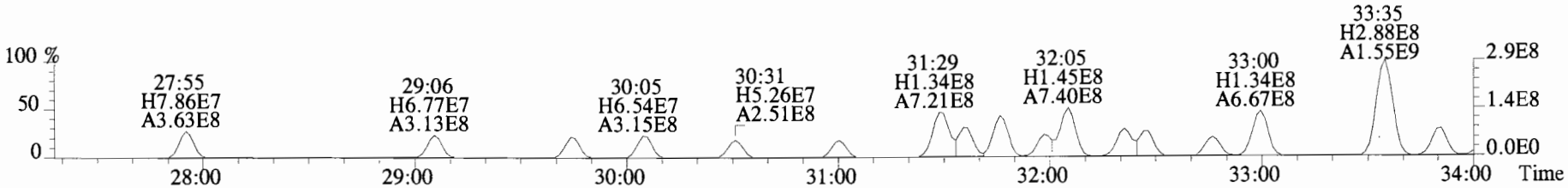

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19976.0,0.00%,F,F)



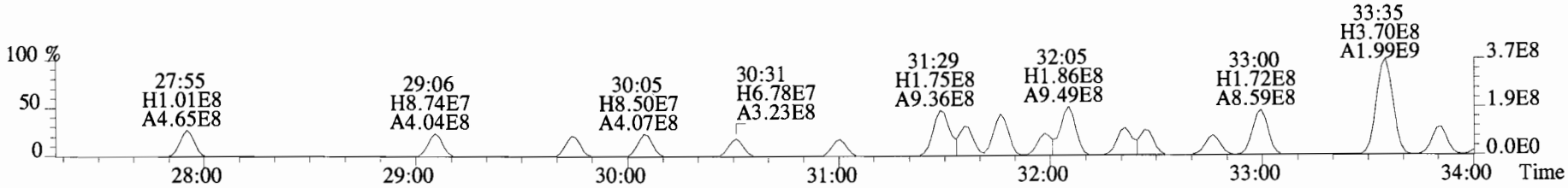

330.9792 S:5 F:3



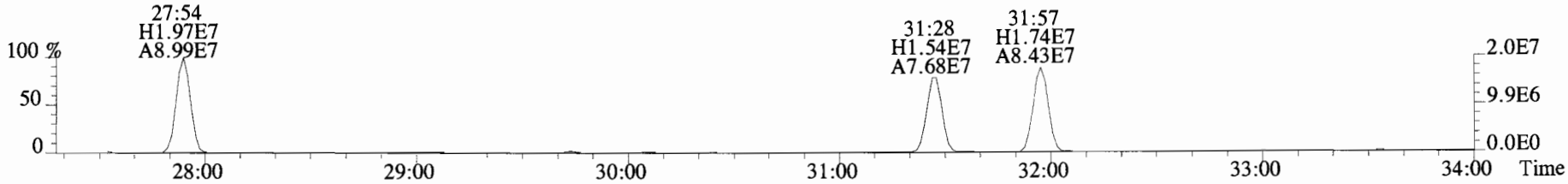
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,195004.0,0.00%,F,F)



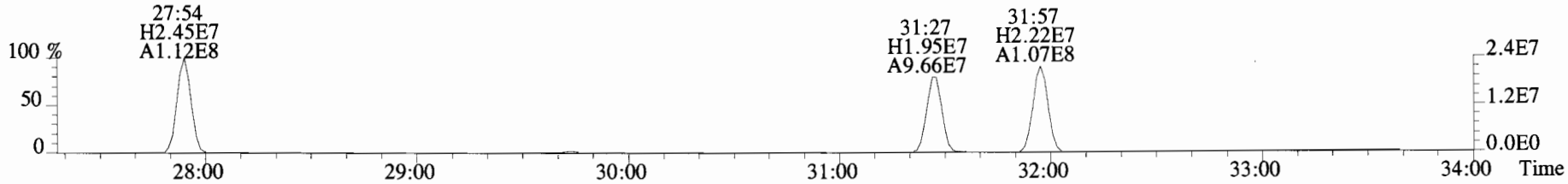

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,242576.0,0.00%,F,F)



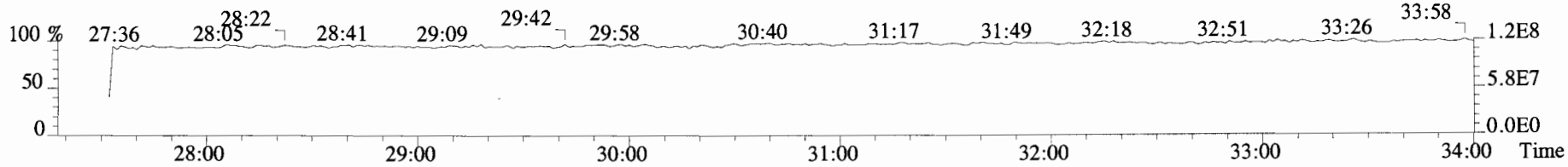

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41456.0,0.00%,F,F)



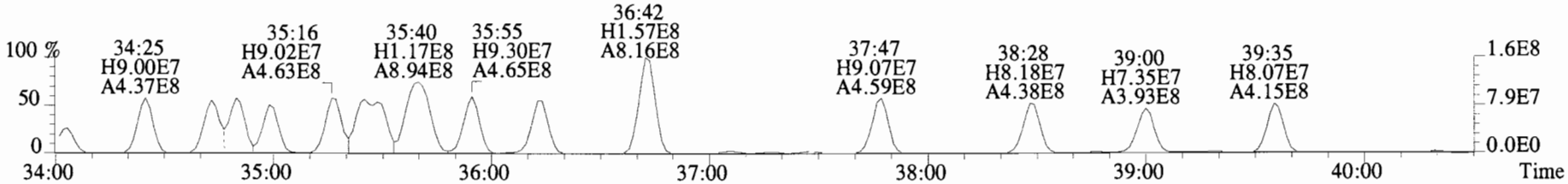

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19976.0,0.00%,F,F)



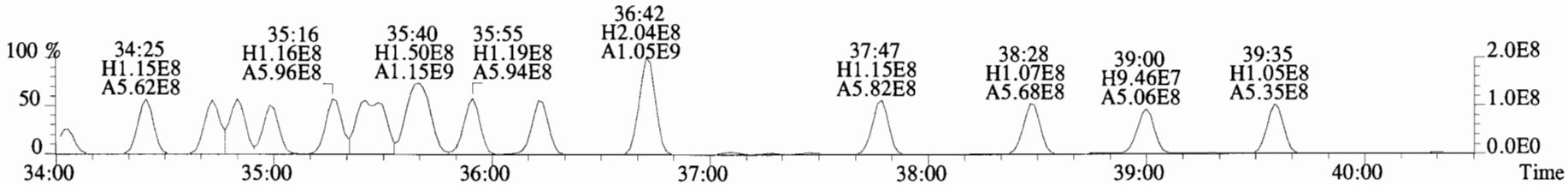

330.9792 S:5 F:3



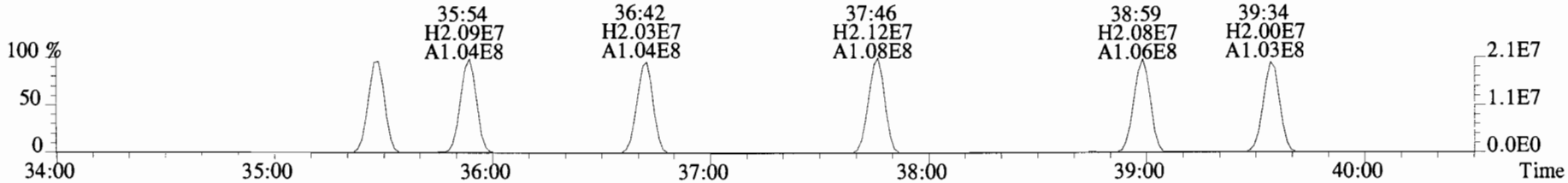
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,195004.0,0.00%,F,F)



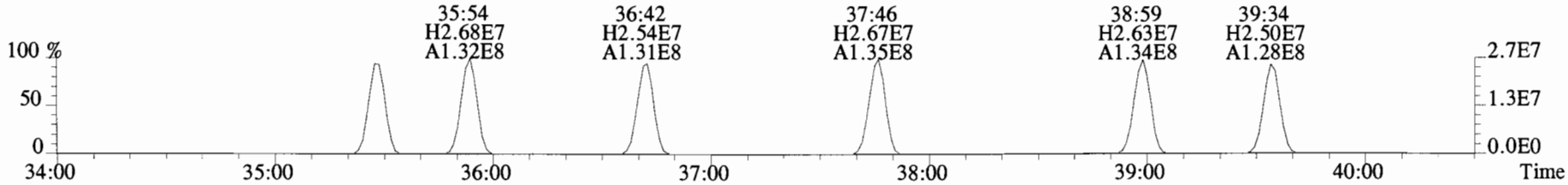

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,242576.0,0.00%,F,F)



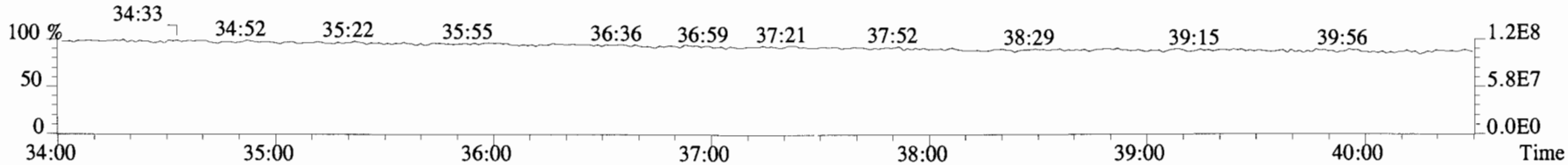

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41456.0,0.00%,F,F)



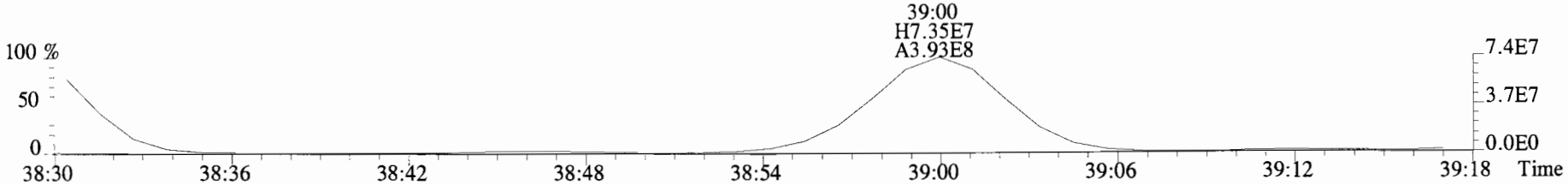

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19976.0,0.00%,F,F)



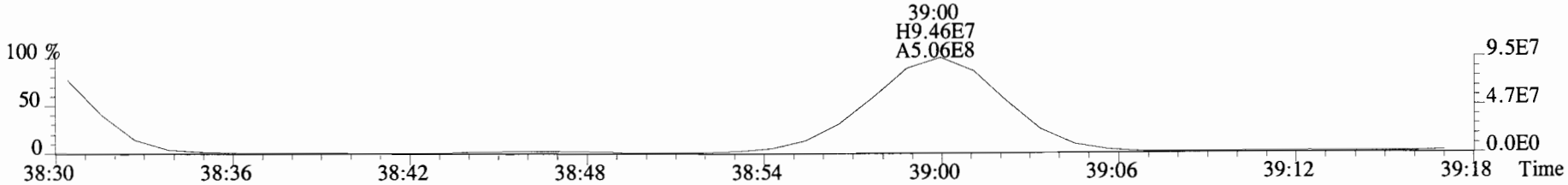

330.9792 S:5 F:3



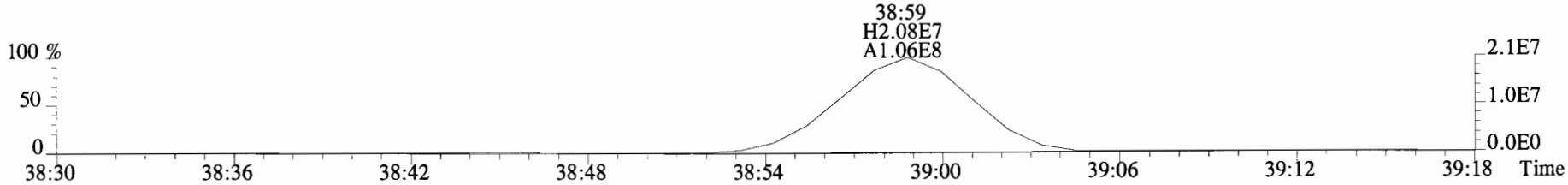
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
289.9224 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,195004.0,0.00%,F,F)



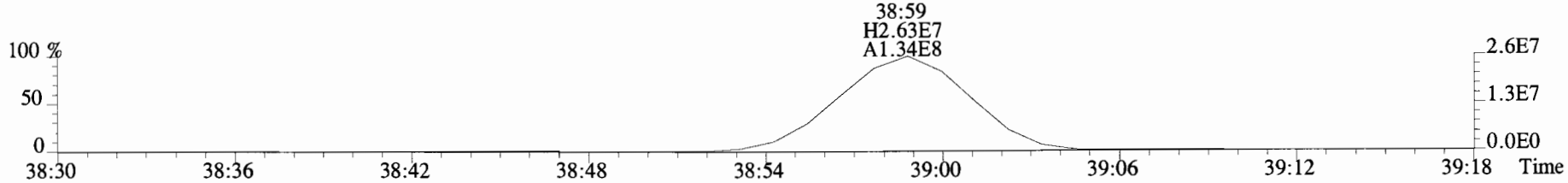

291.9194 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,242576.0,0.00%,F,F)



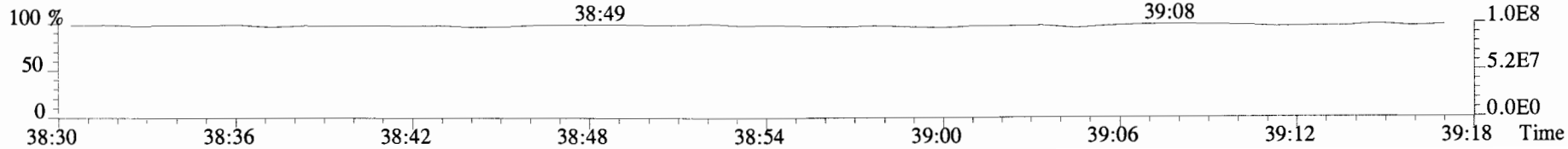

301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41456.0,0.00%,F,F)



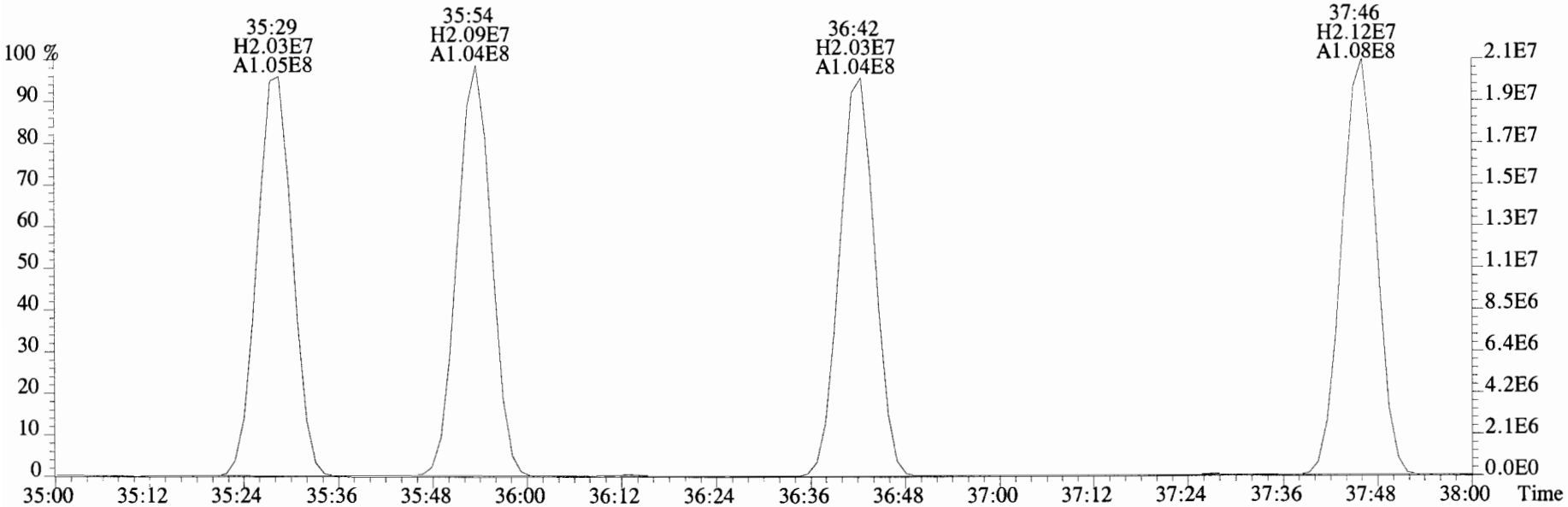

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19976.0,0.00%,F,F)



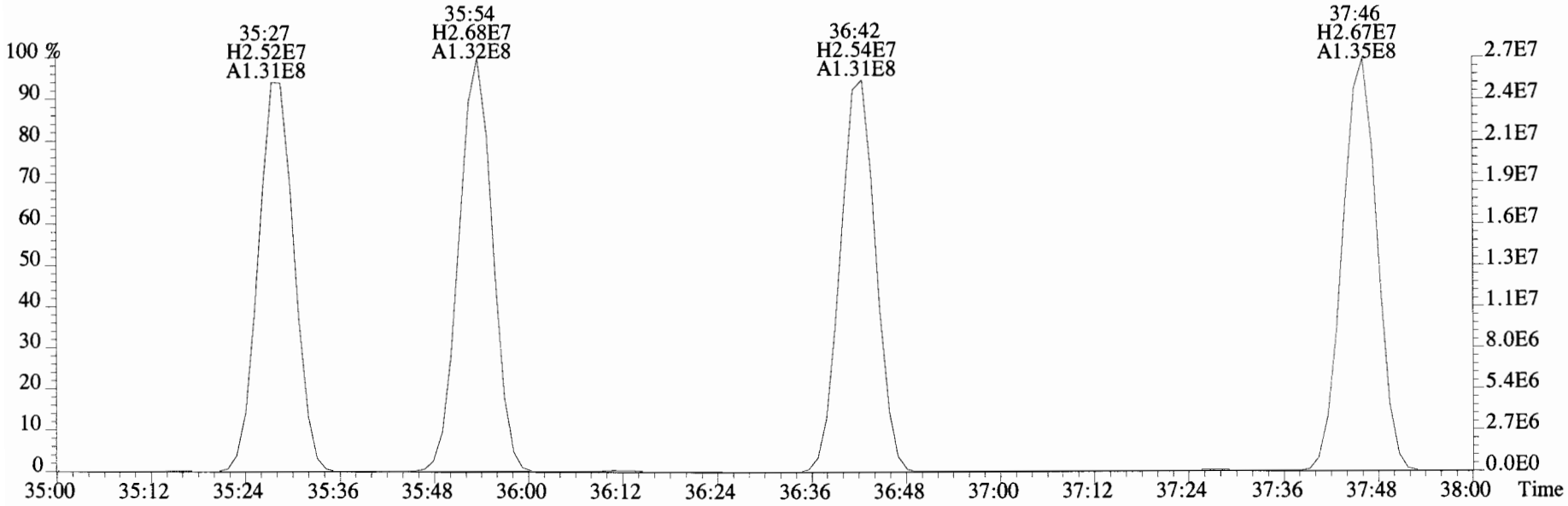

330.9792 S:5 F:3



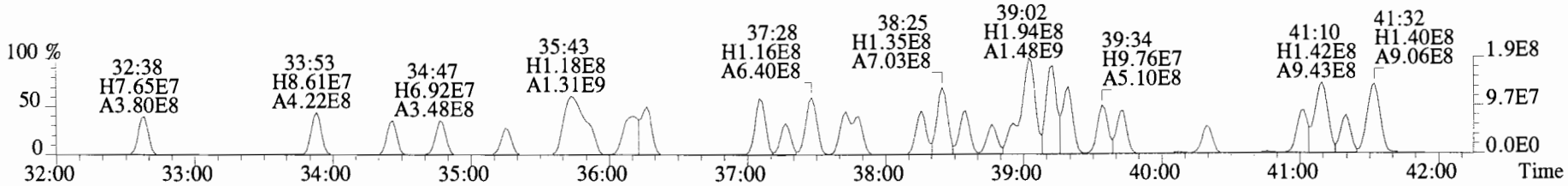
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
301.9626 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,41456.0,0.00%,F,F)



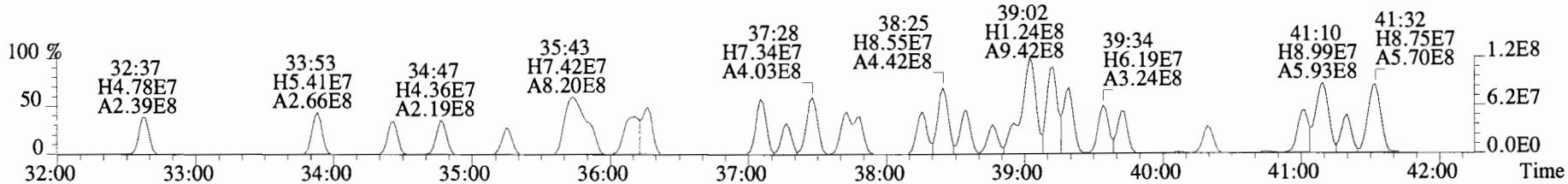

303.9597 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,19976.0,0.00%,F,F)



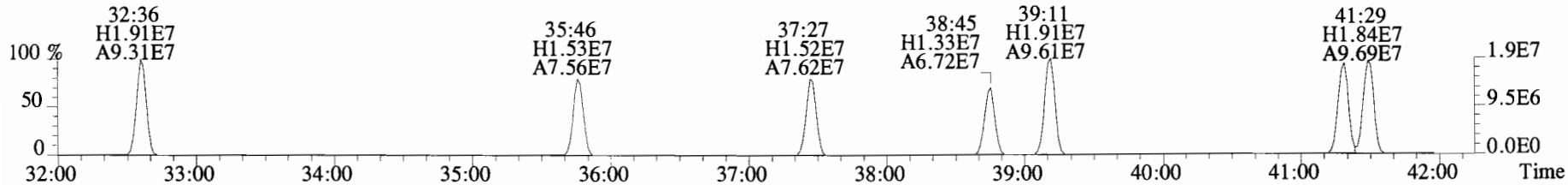
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6976.0,0.00%,F,F)



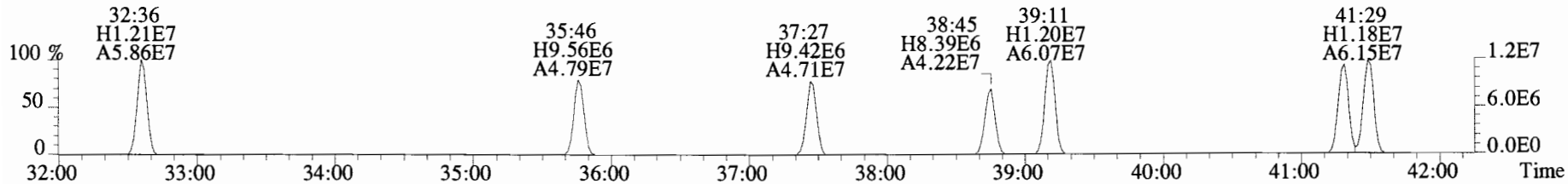

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4628.0,0.00%,F,F)



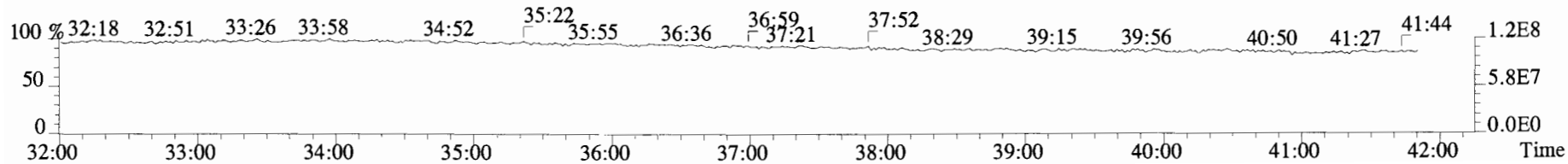

337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7720.0,0.00%,F,F)



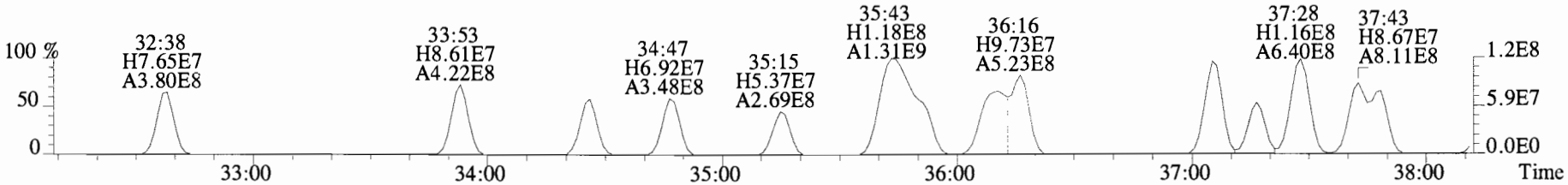

339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7208.0,0.00%,F,F)



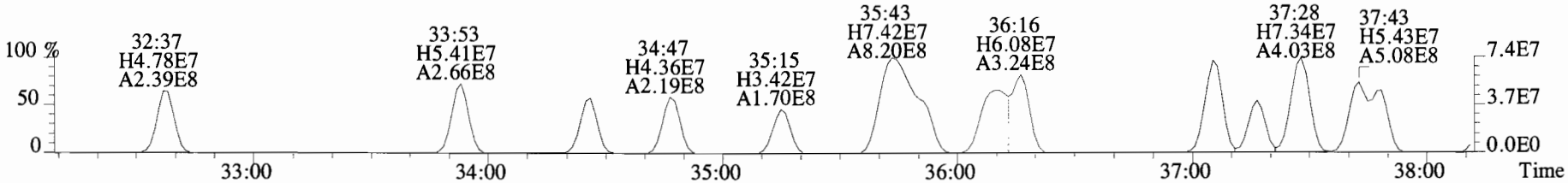

330.9792 S:5 F:3



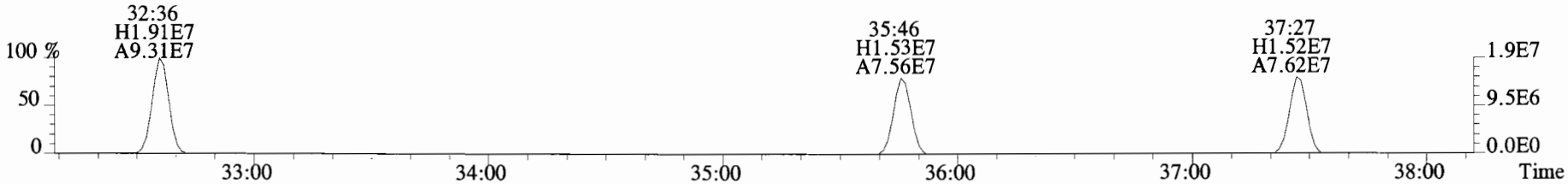
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6976.0,0.00%,F,F)



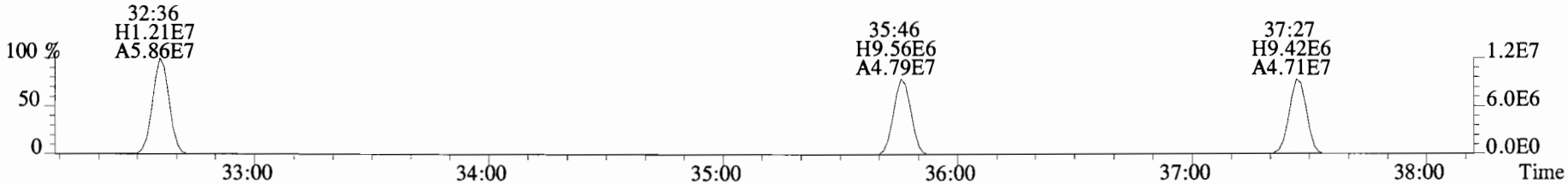

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4628.0,0.00%,F,F)



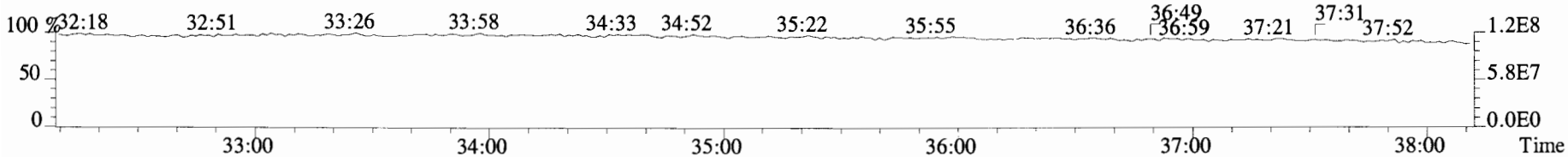

337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7720.0,0.00%,F,F)



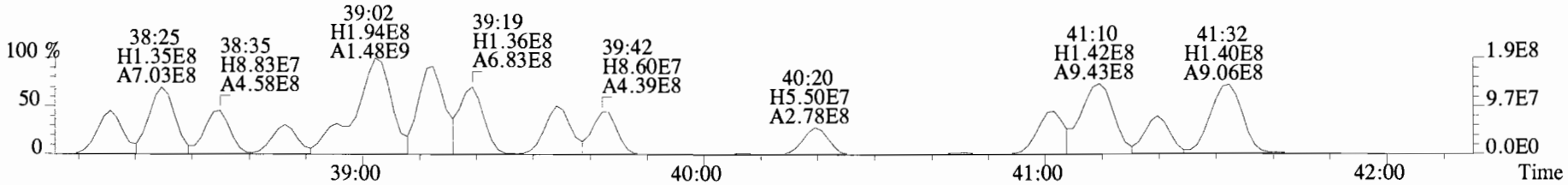

339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7208.0,0.00%,F,F)



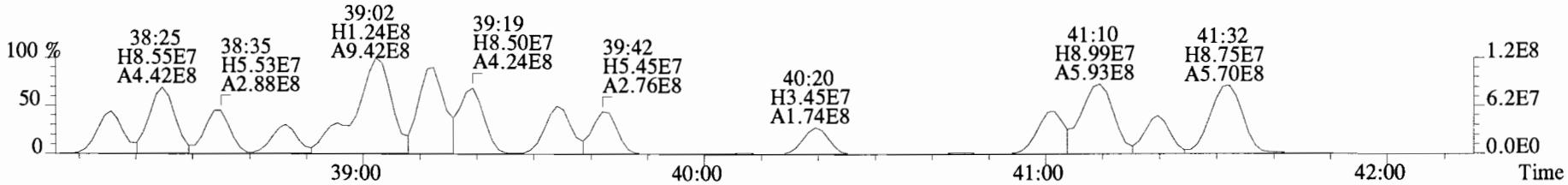

330.9792 S:5 F:3



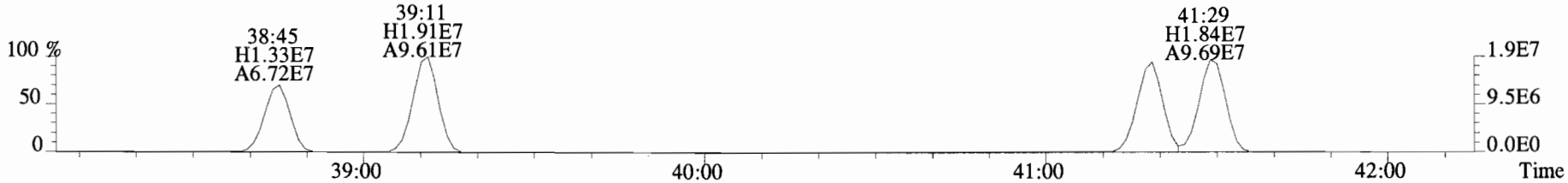
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6976.0,0.00%,F,F)



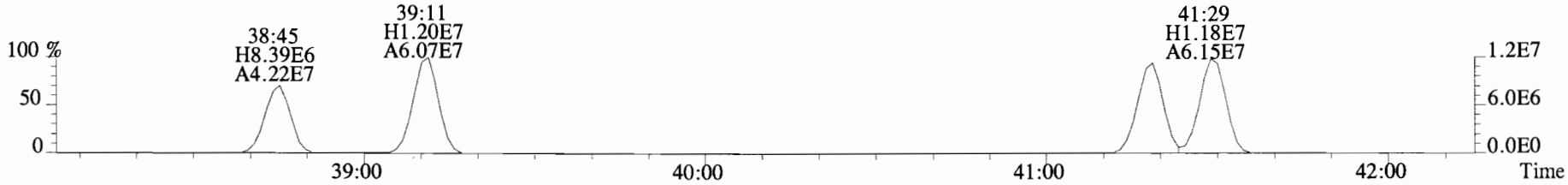

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4628.0,0.00%,F,F)



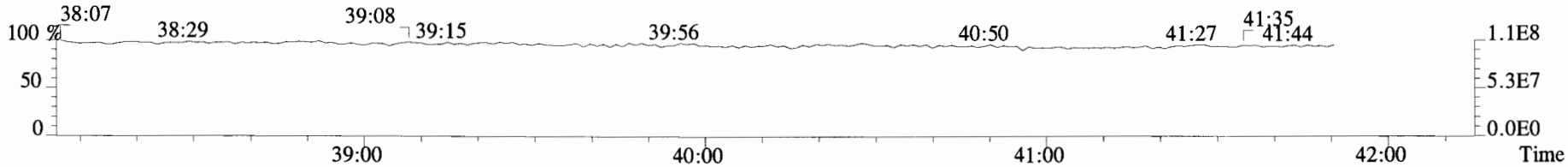

337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7720.0,0.00%,F,F)



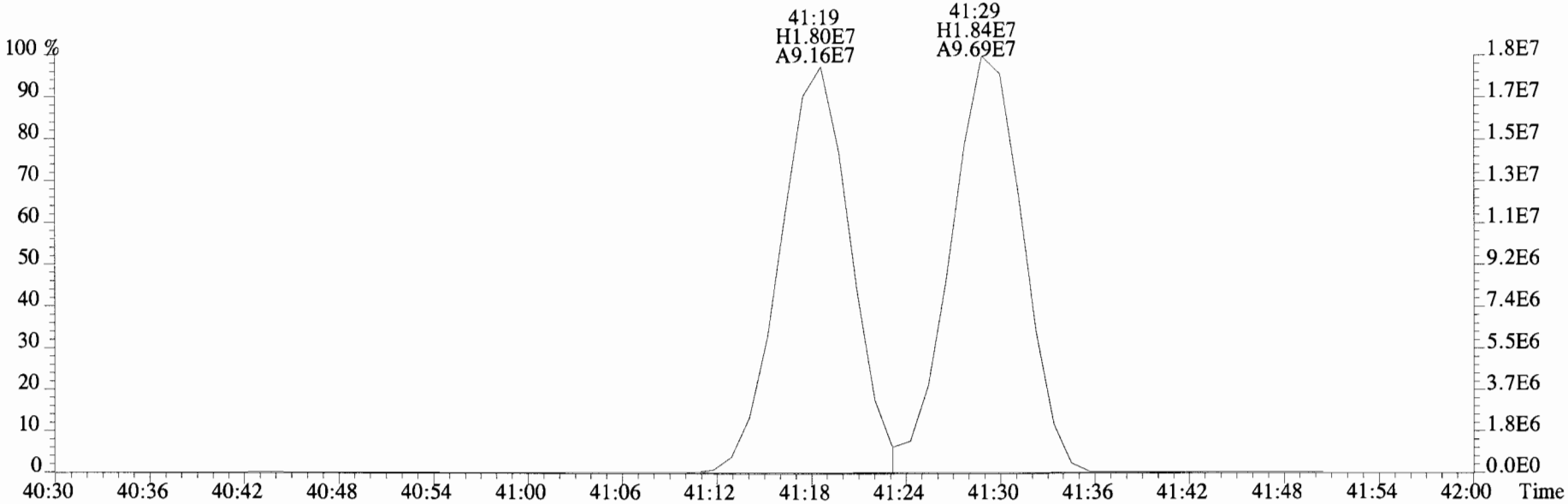

339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7208.0,0.00%,F,F)



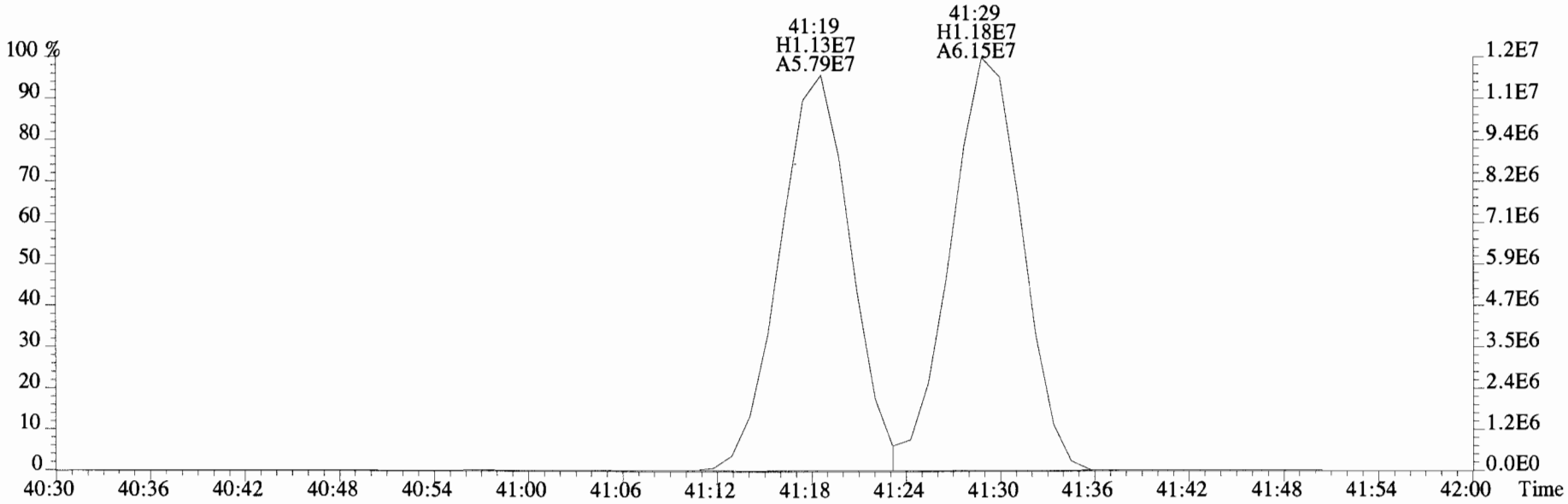

330.9792 S:5 F:3



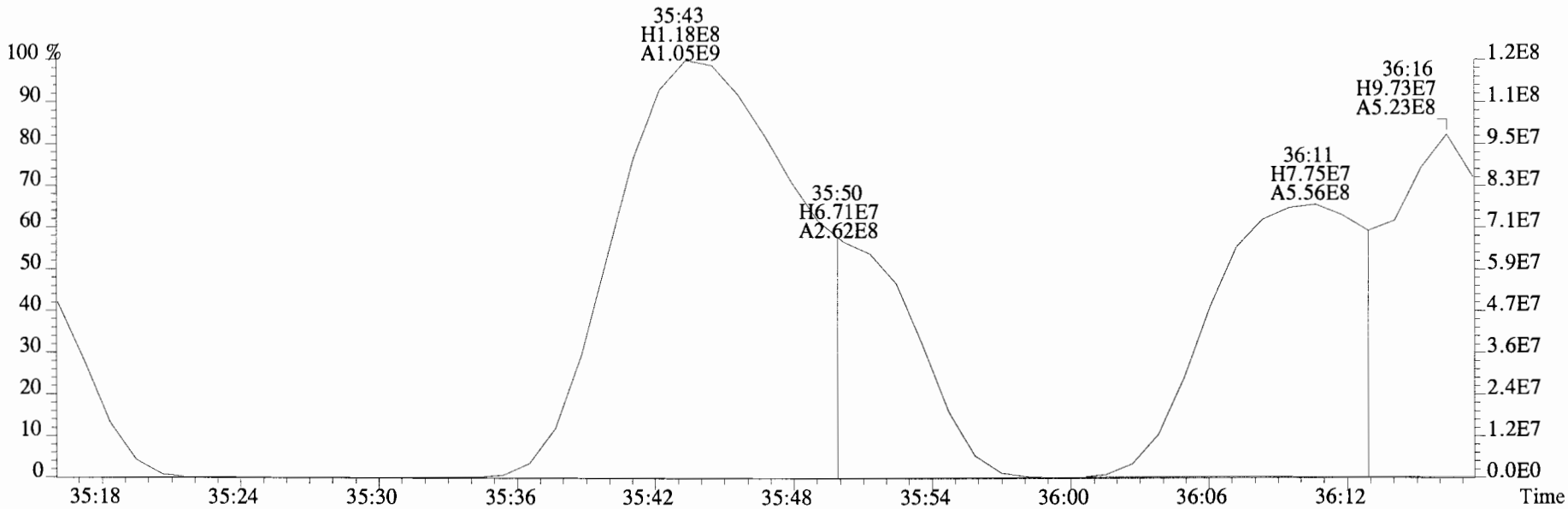
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC Ei+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
337.9207 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7720.0,0.00%,F,F)



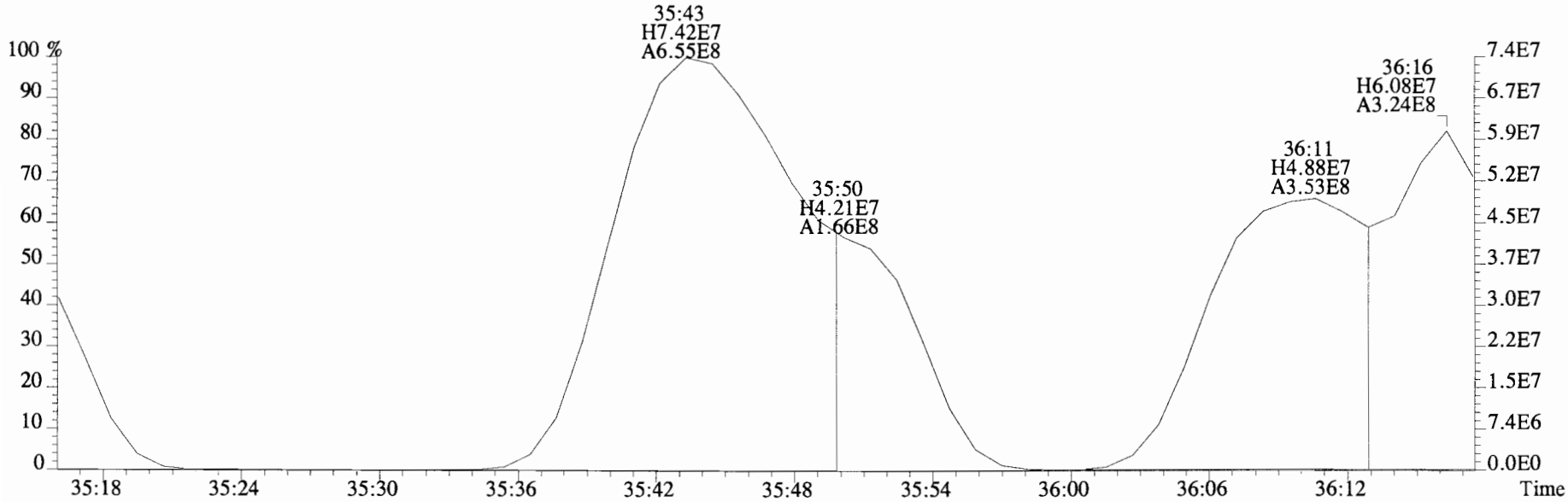

339.9177 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7208.0,0.00%,F,F)



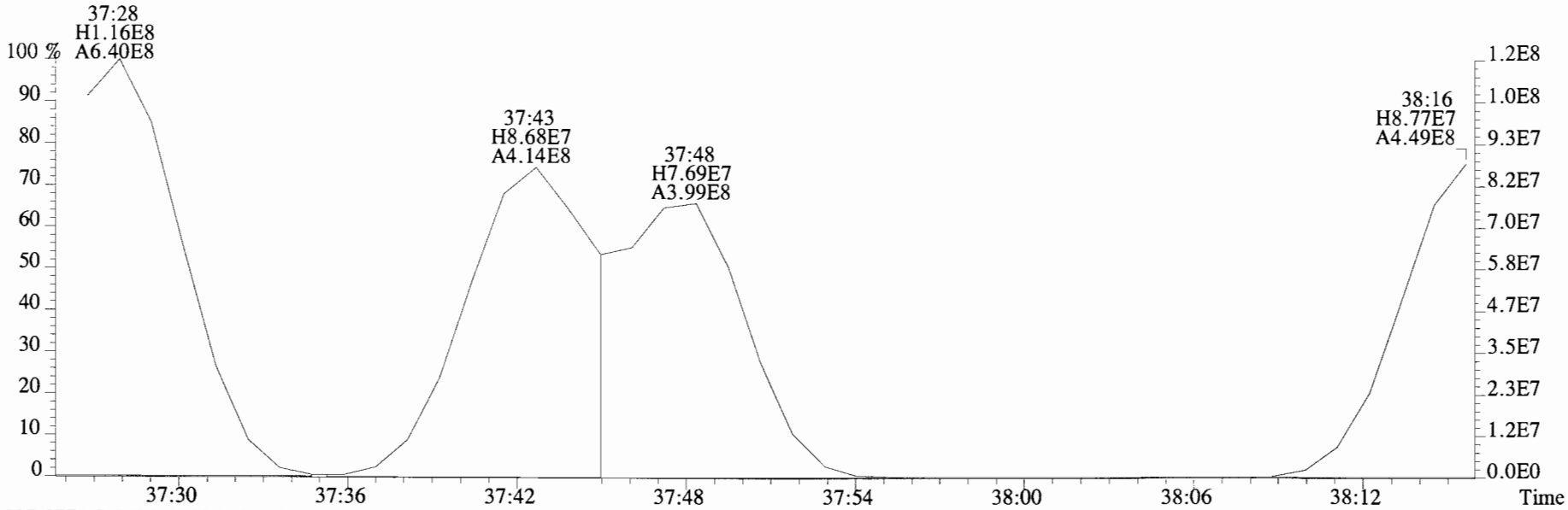
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6976.0,0.00%,F,F)



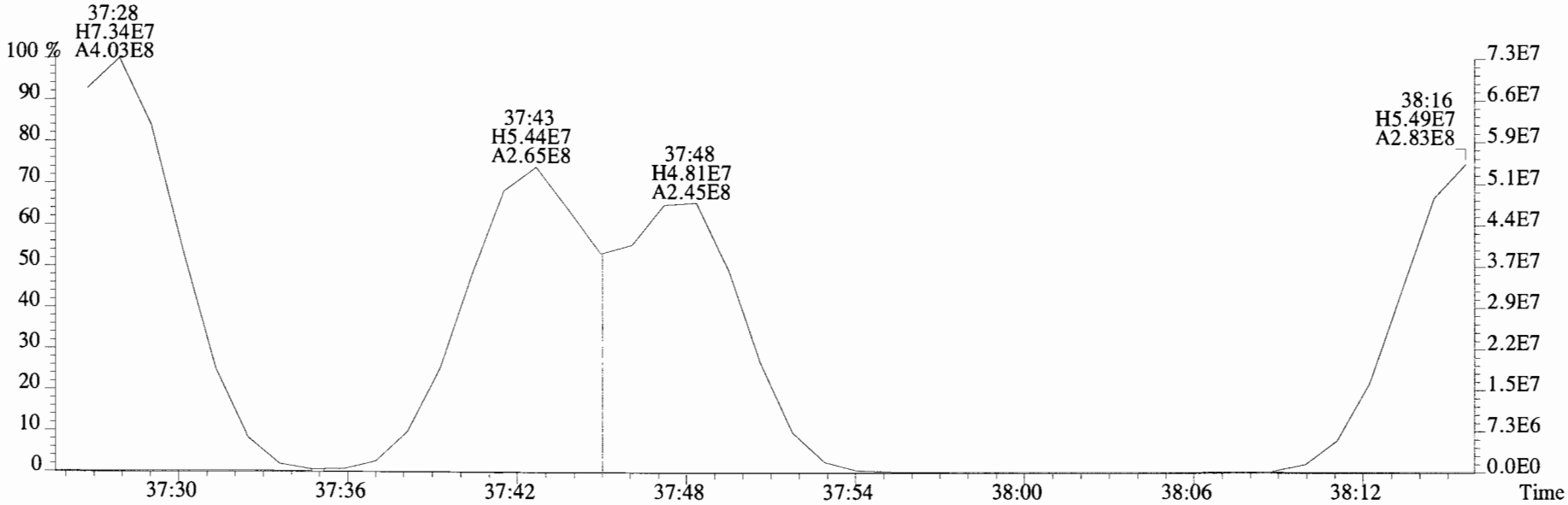

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4628.0,0.00%,F,F)



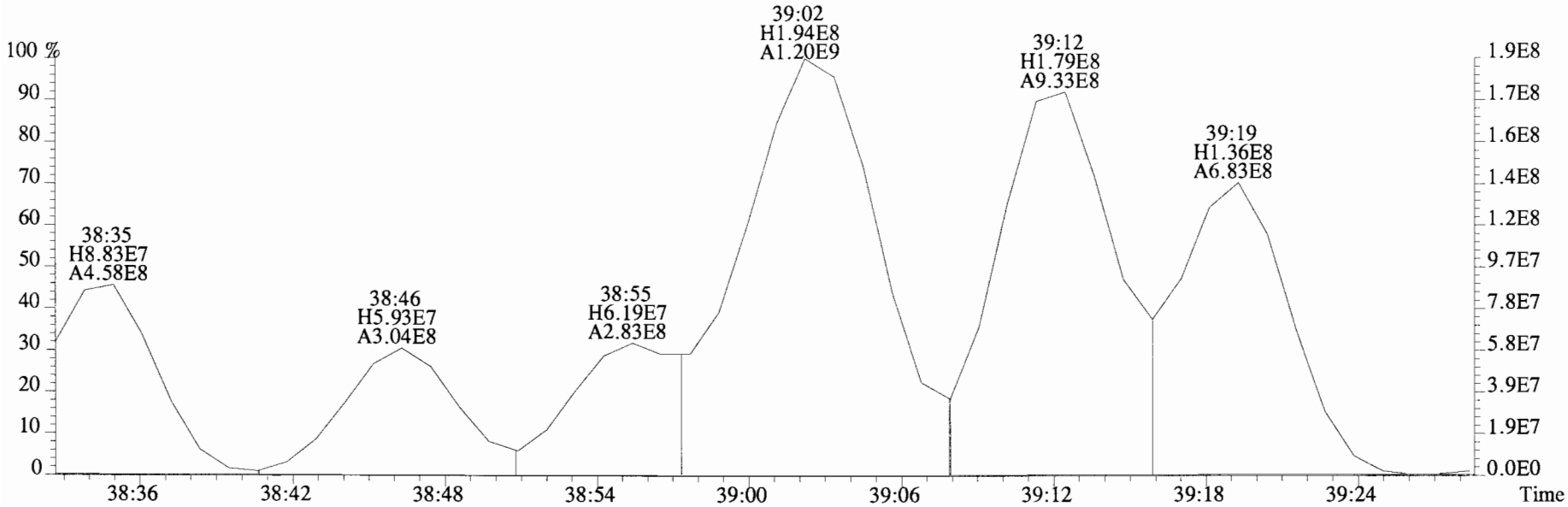
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6976.0,0.00%,F,F)



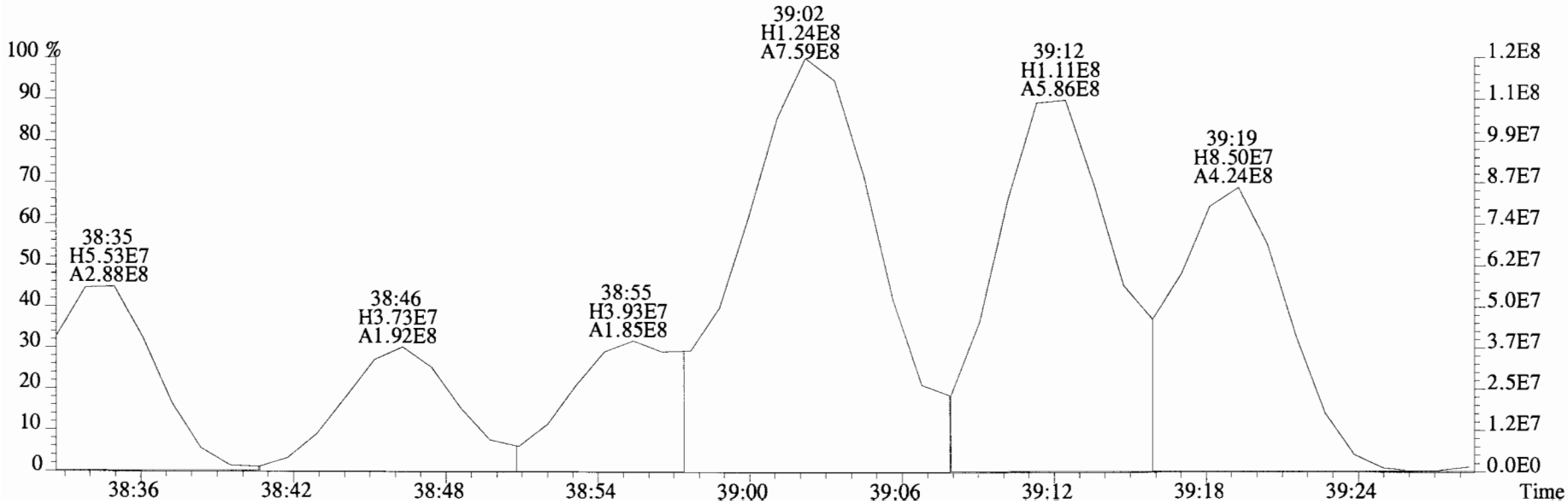

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4628.0,0.00%,F,F)



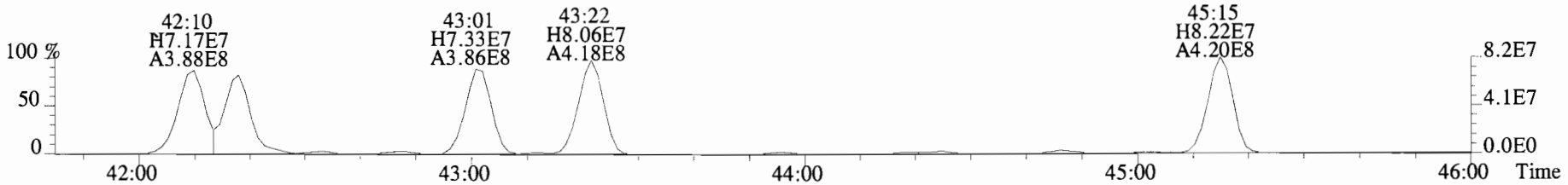
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6976.0,0.00%,F,F)



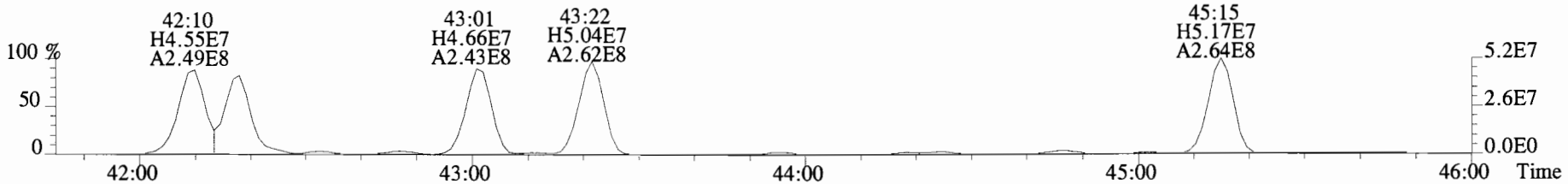

327.8775 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4628.0,0.00%,F,F)



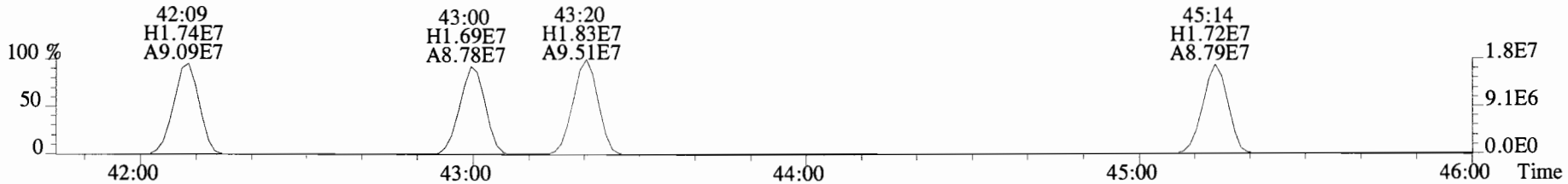
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,94504.0,0.00%,F,F)



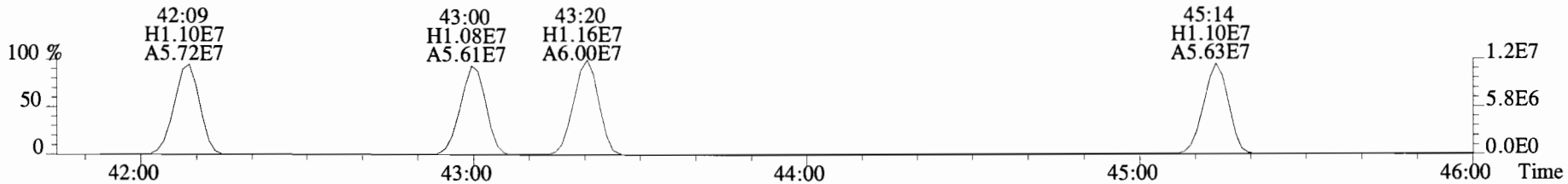

327.8775 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,67108.0,0.00%,F,F)



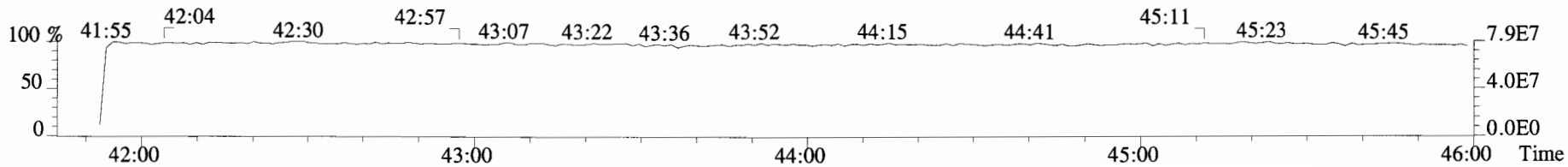

337.9207 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10784.0,0.00%,F,F)



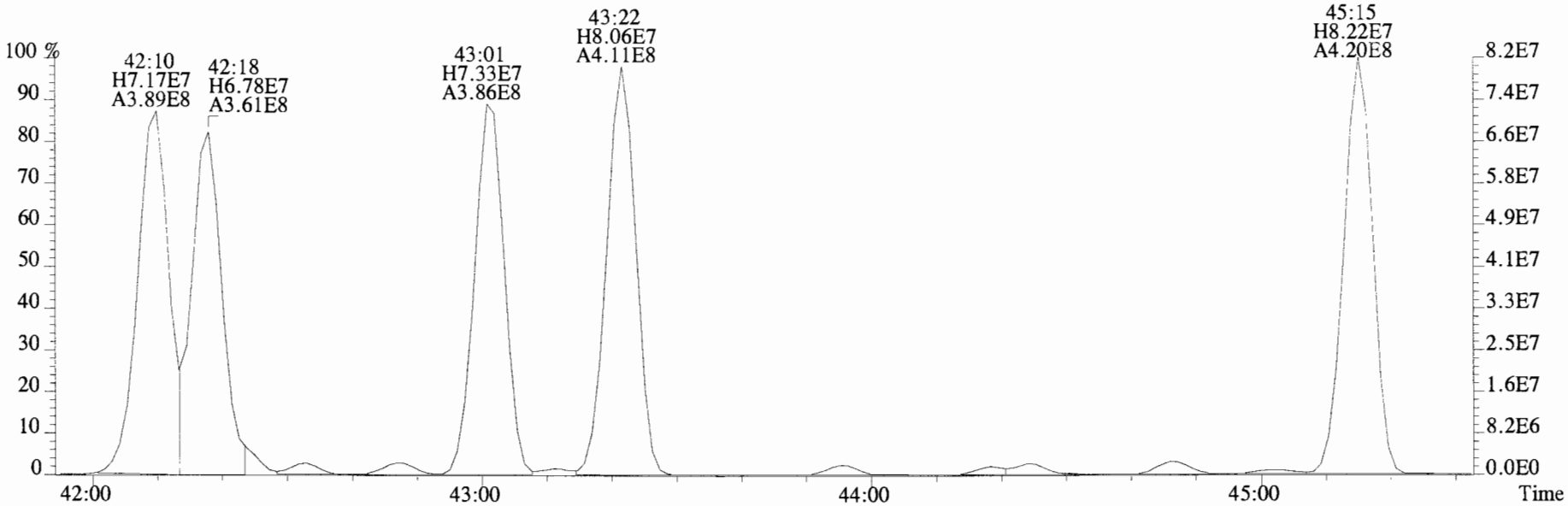

339.9177 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9340.0,0.00%,F,F)



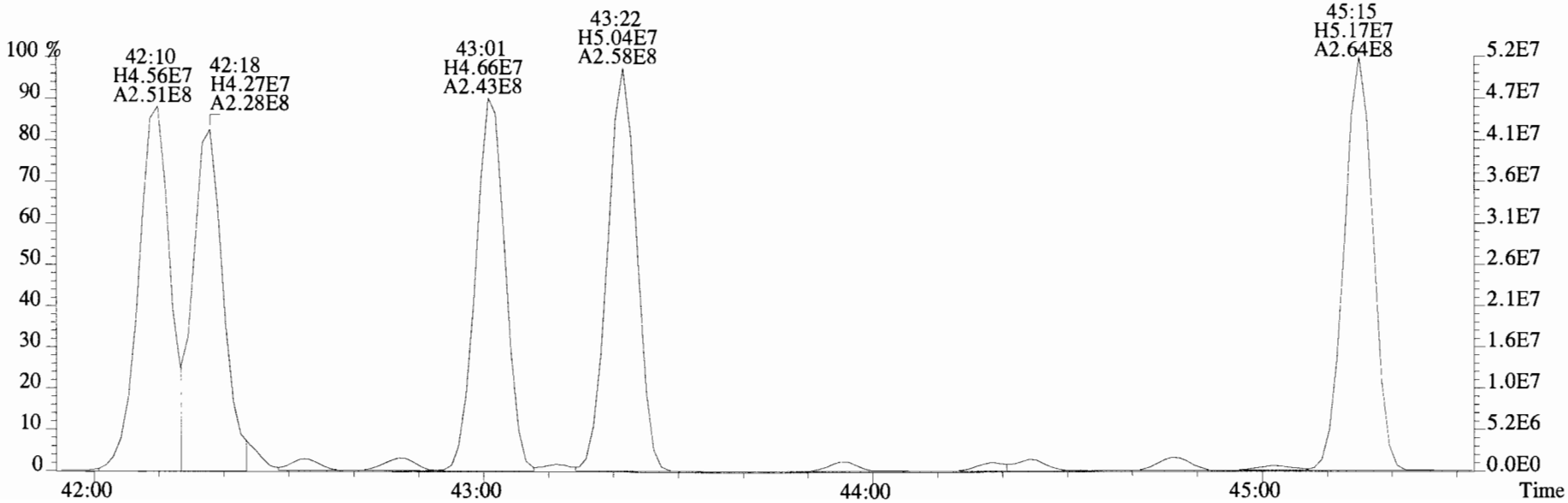

380.9760 S:5 F:4



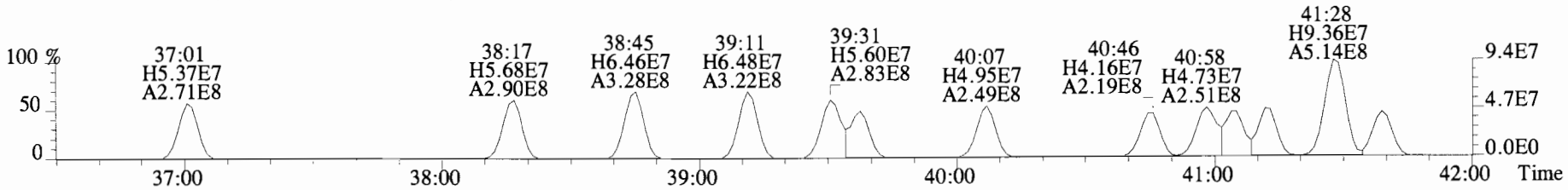
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
325.8804 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,94504.0,0.00%,F,F)



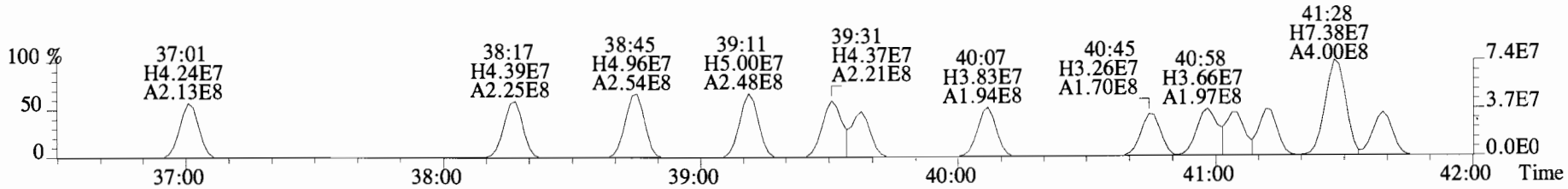

327.8775 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,67108.0,0.00%,F,F)



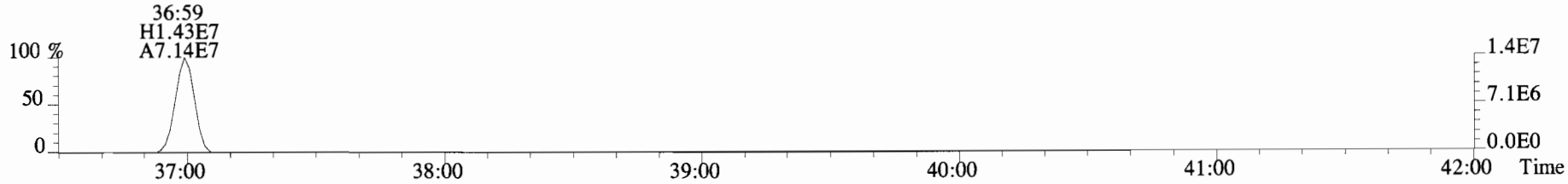
File:180208E1 #1-756 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
359.8415 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3972.0,0.00%,F,F)



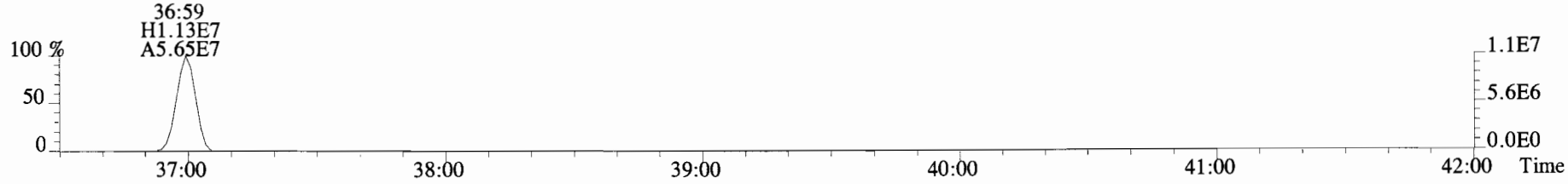

361.8385 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3740.0,0.00%,F,F)



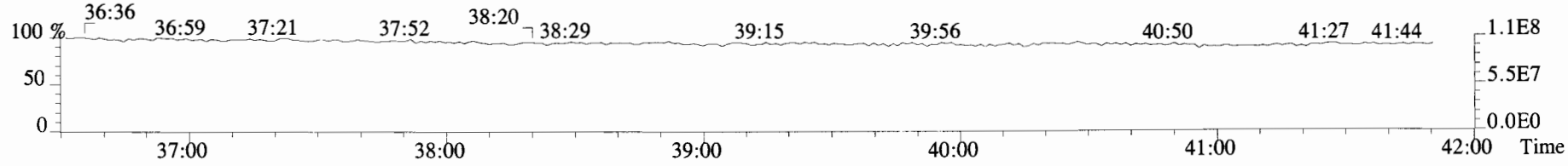

371.8817 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4744.0,0.00%,F,F)



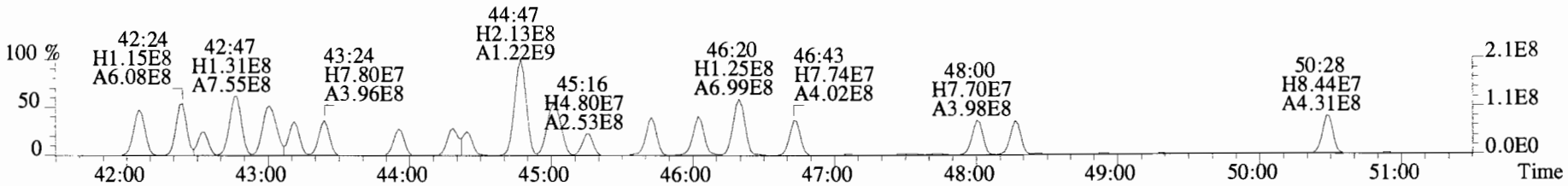

373.8788 S:5 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4524.0,0.00%,F,F)



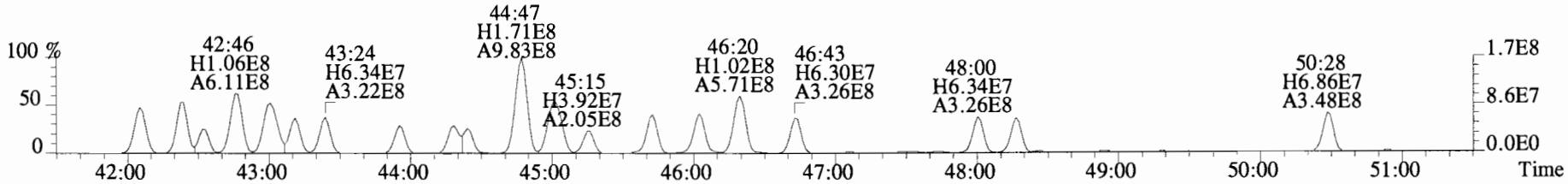

330.9792 S:5 F:3



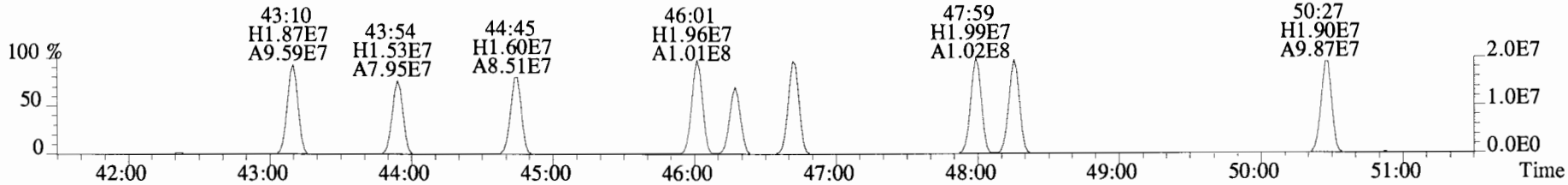
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
359.8415 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,448632.0,0.00%,F,F)



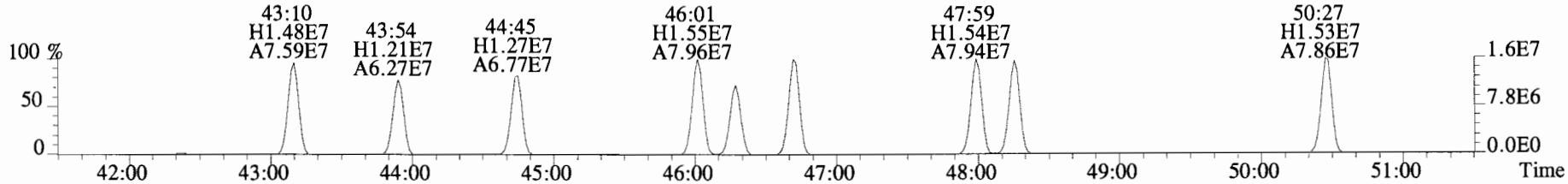

361.8385 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,358152.0,0.00%,F,F)



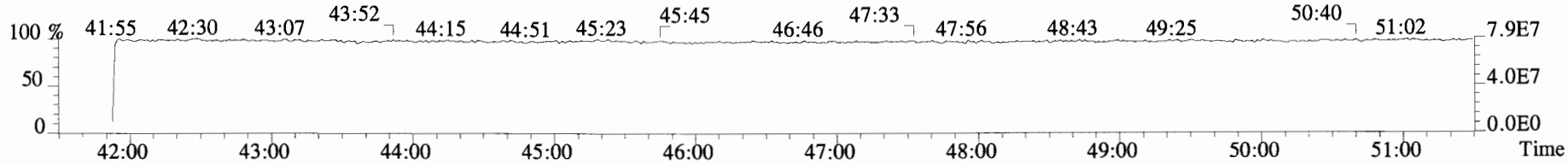

371.8817 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27148.0,0.00%,F,F)



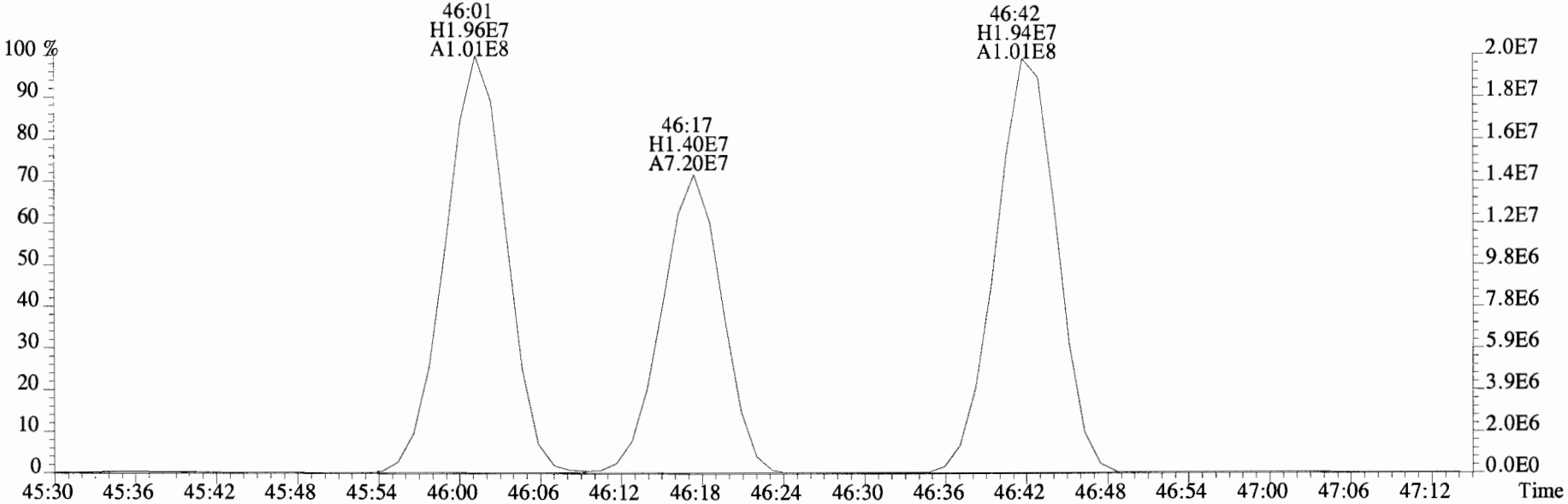

373.8788 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20348.0,0.00%,F,F)



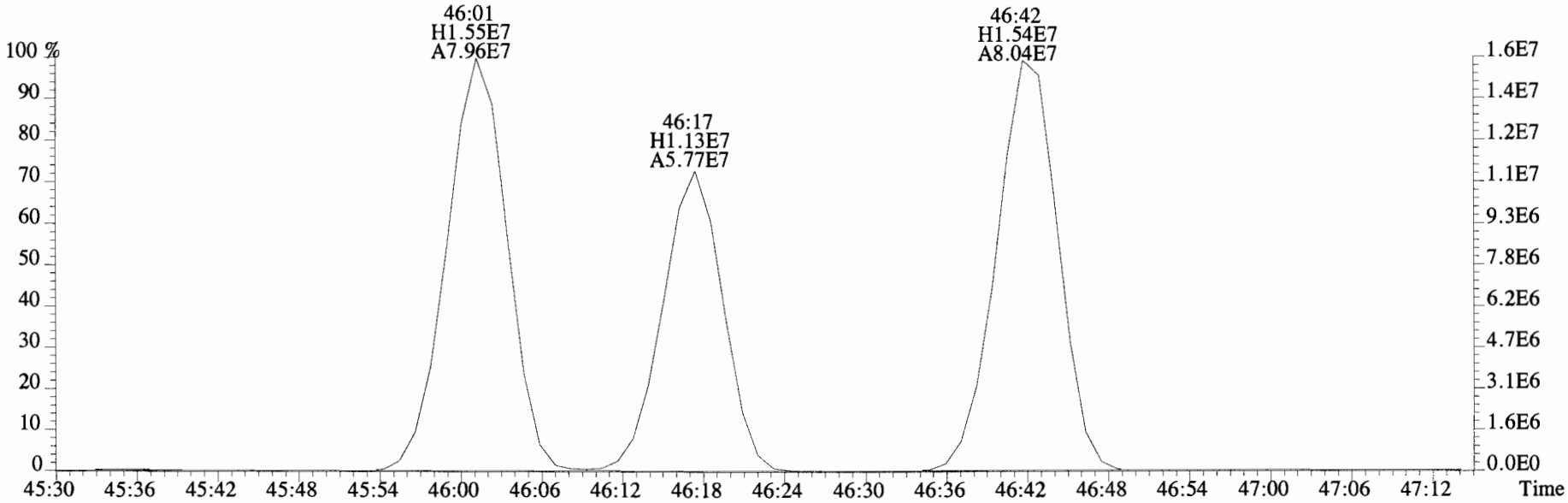

380.9760 S:5 F:4



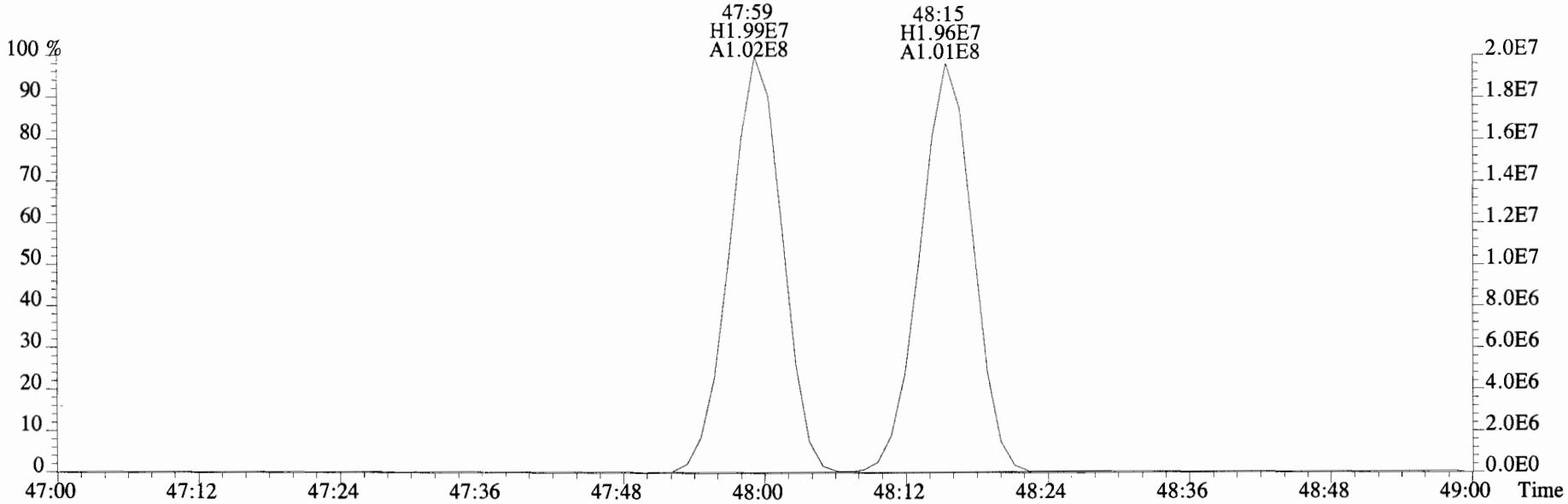
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
371.8817 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27148.0,0.00%,F,F)



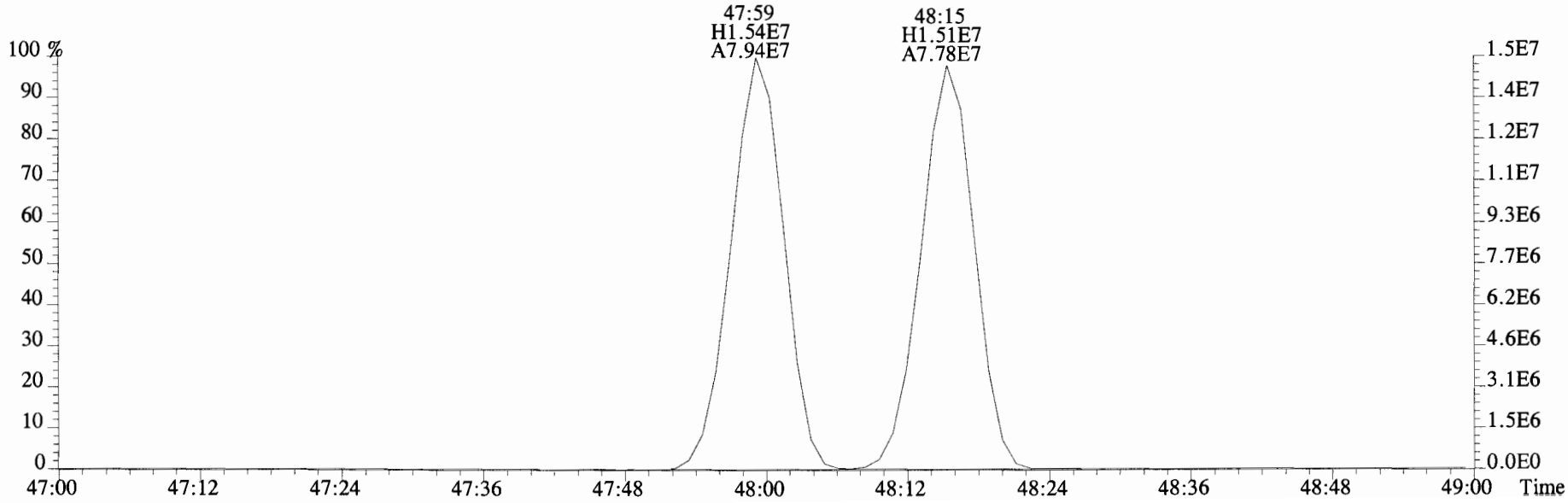

373.8788 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20348.0,0.00%,F,F)



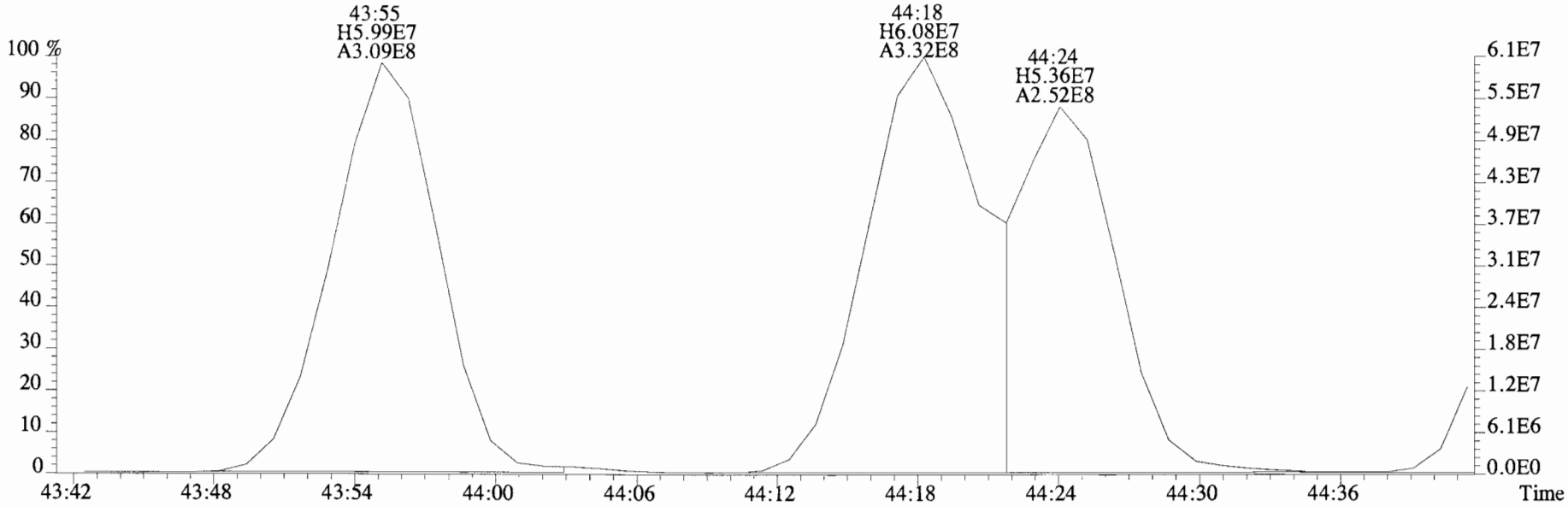
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
371.8817 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,27148.0,0.00%,F,F)



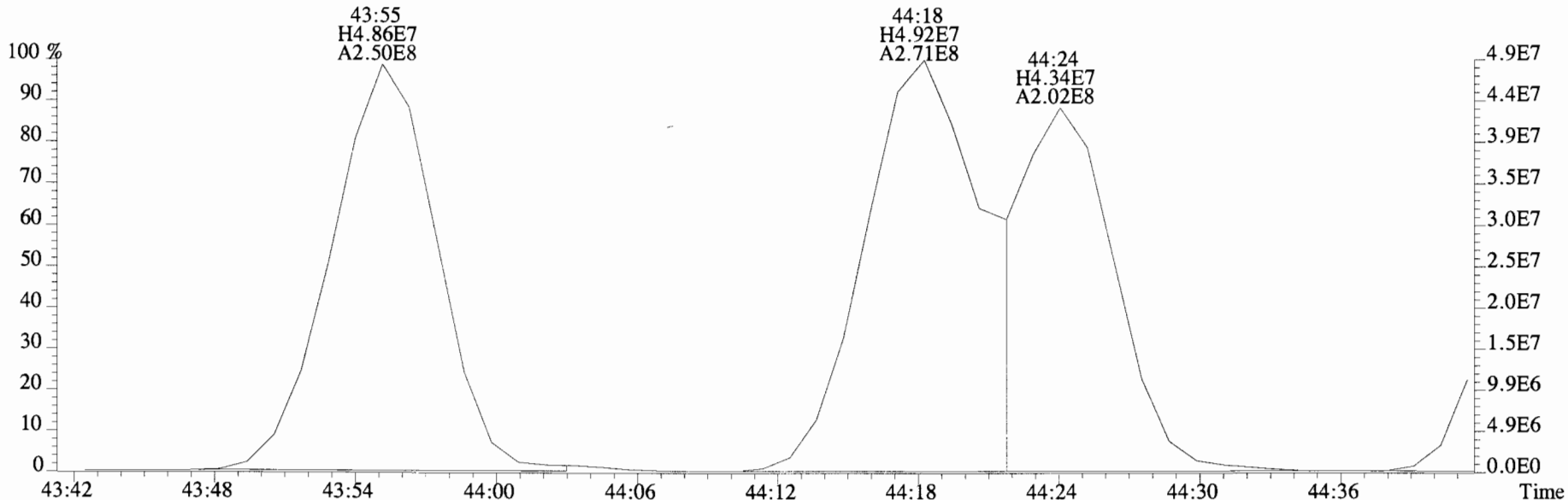

373.8788 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20348.0,0.00%,F,F)



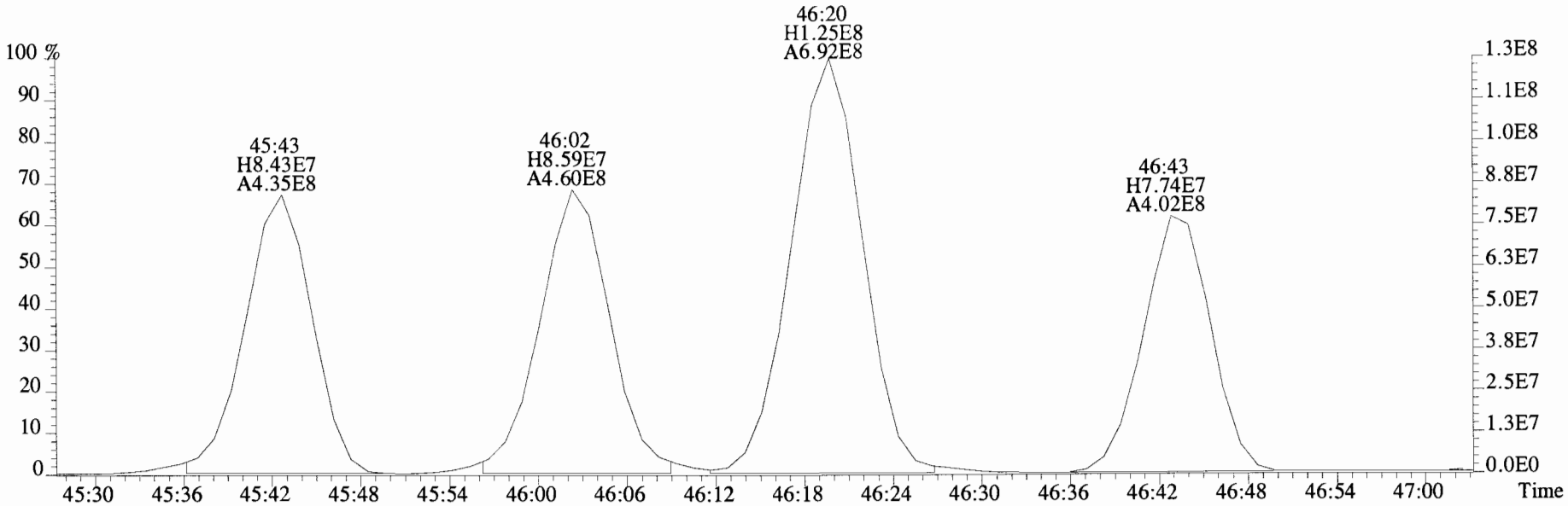
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
359.8415 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,448632.0,0.00%,F,F)



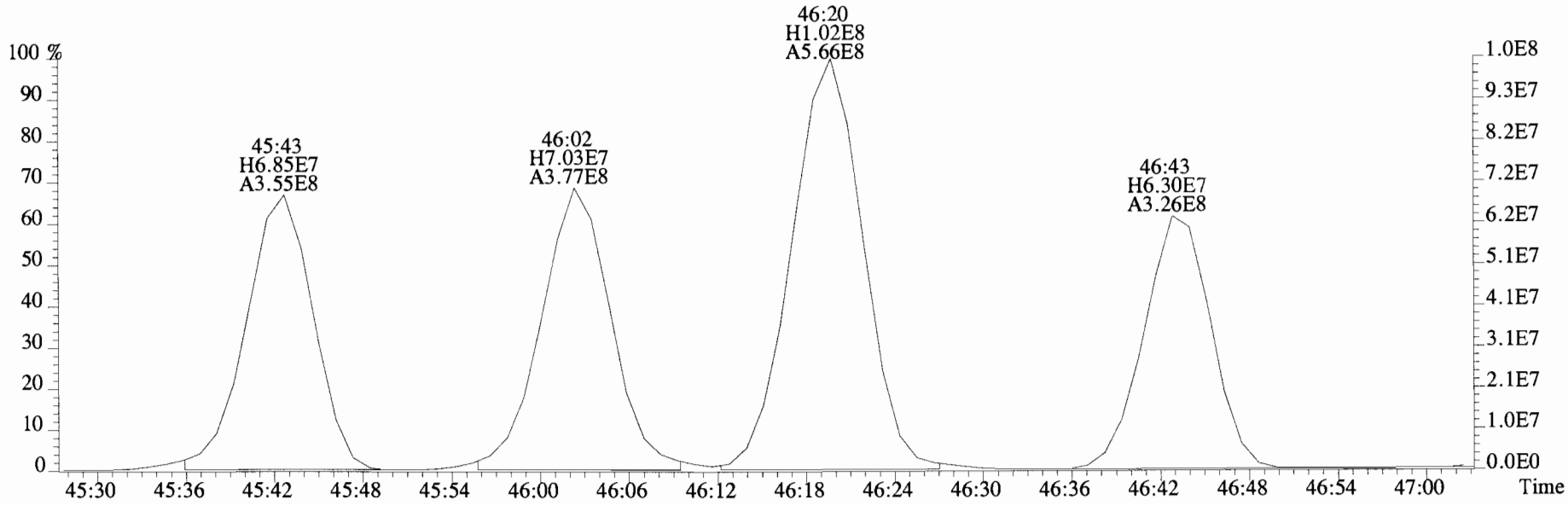

361.8385 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,358152.0,0.00%,F,F)



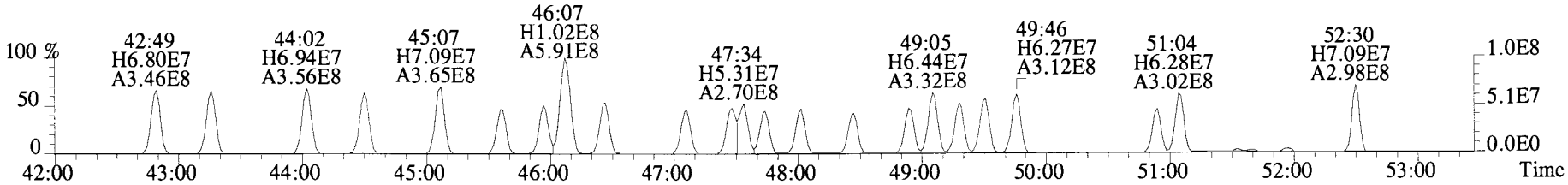
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
359.8415 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,448632.0,0.00%,F,F)



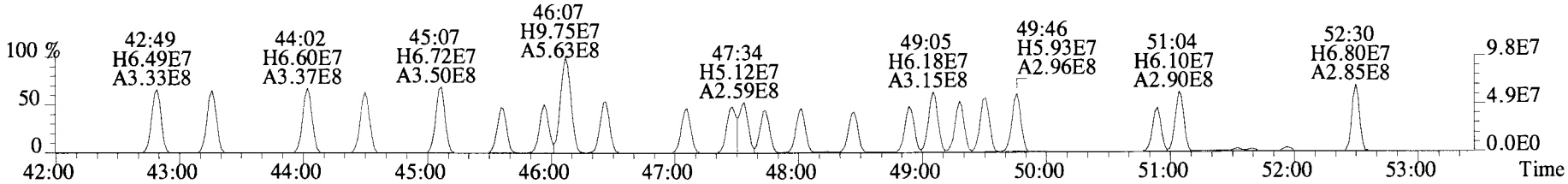

361.8385 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,358152.0,0.00%,F,F)



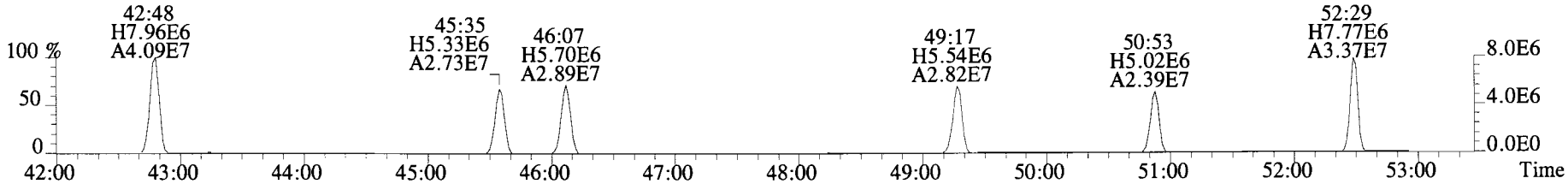
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
393.8025 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,325356.0,0.00%,F,F)



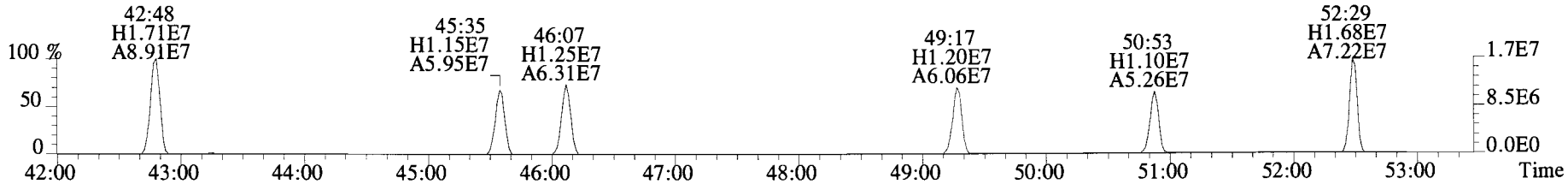

395.7995 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,302116.0,0.00%,F,F)



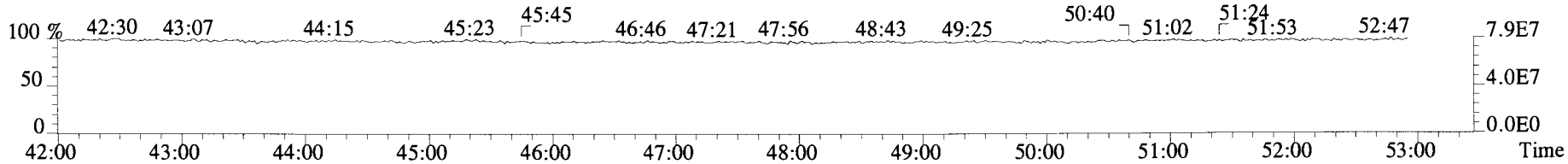

403.8457 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9408.0,0.00%,F,F)



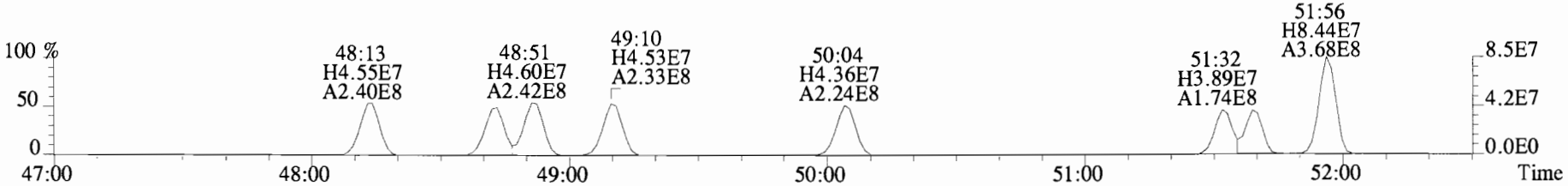

405.8428 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17680.0,0.00%,F,F)



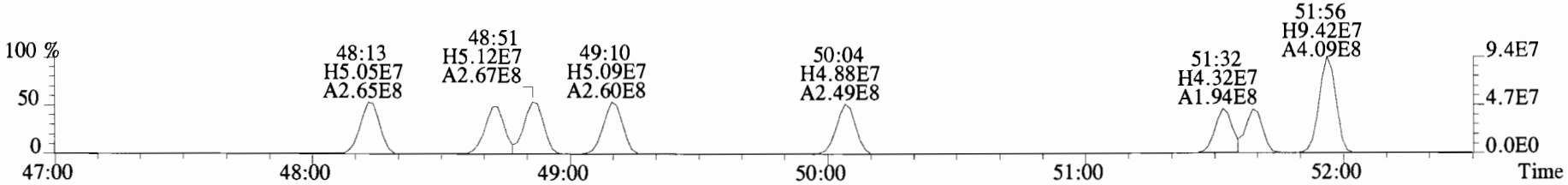

380.9760 S:5 F:4



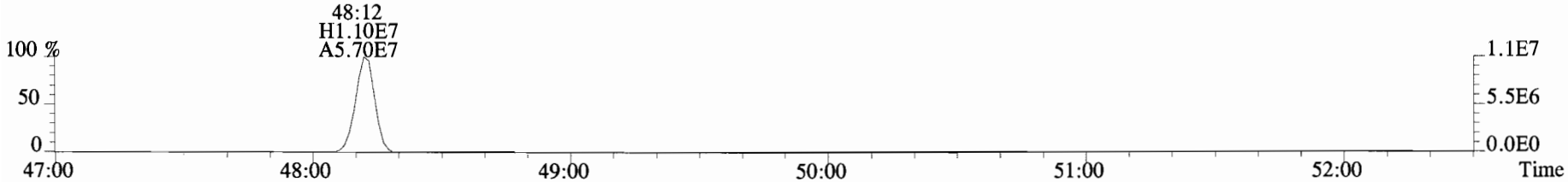
File:180208E1 #1-574 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
427.7635 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,51864.0,0.00%,F,F)



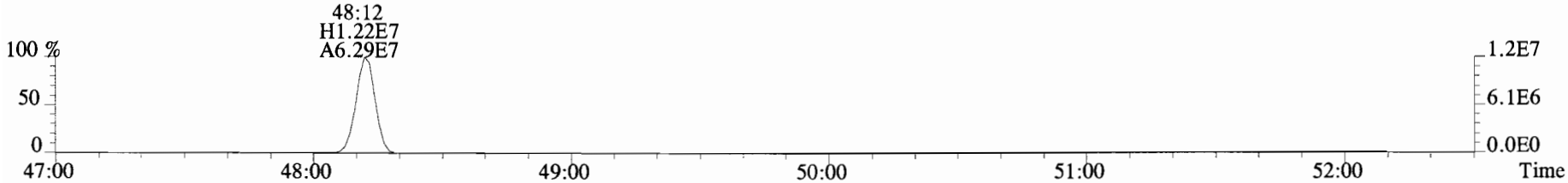

429.7606 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,57104.0,0.00%,F,F)



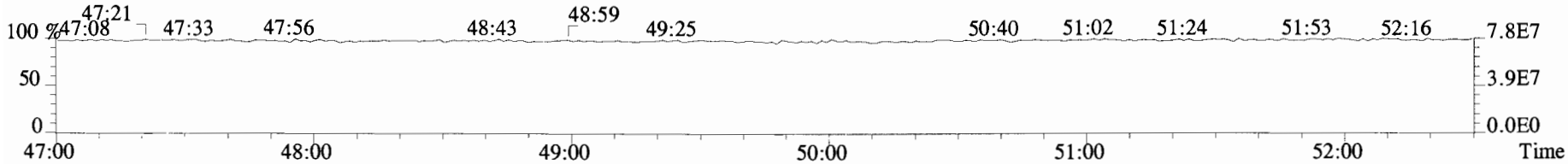

439.8038 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2544.0,0.00%,F,F)



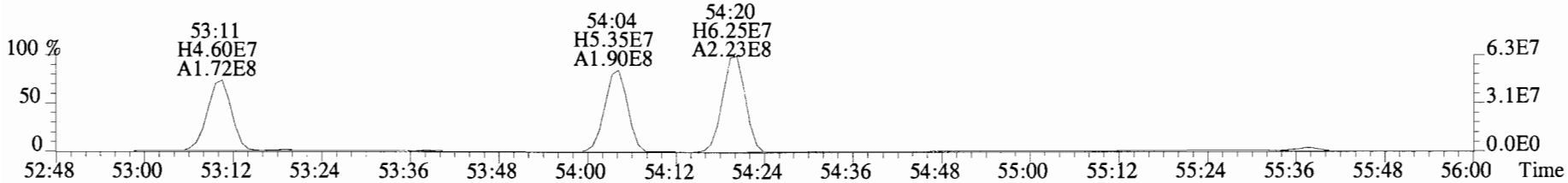

441.8008 S:5 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6976.0,0.00%,F,F)



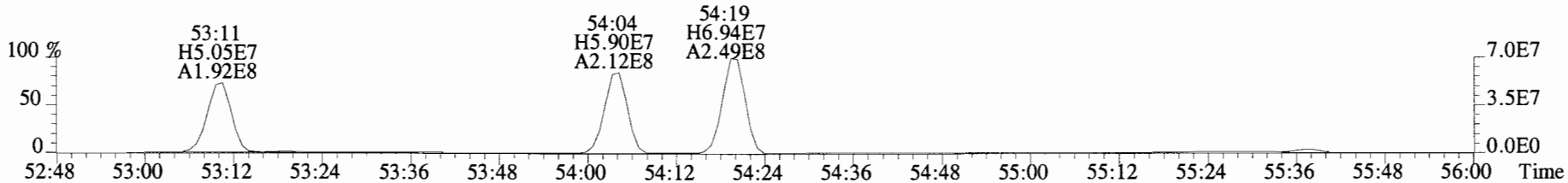

380.9760 S:5 F:4



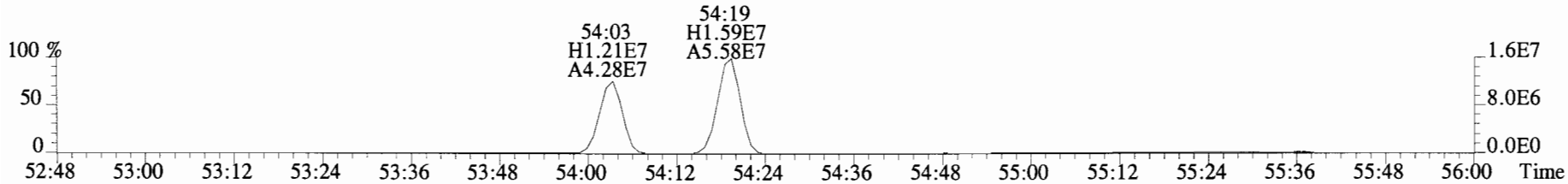
File:180208E1 #1-407 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
427.7635 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,271760.0,0.00%,F,F)



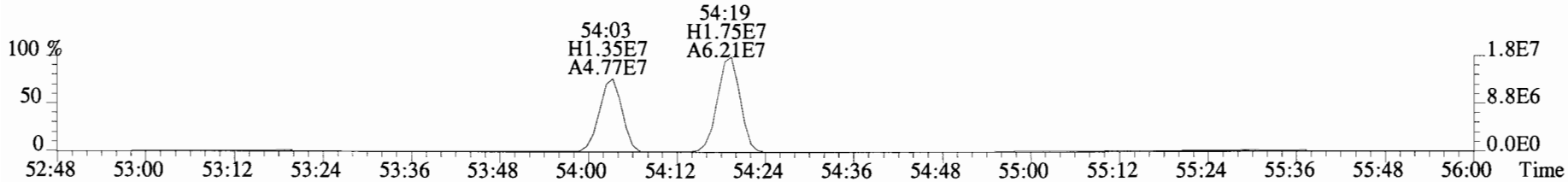

429.7606 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,305640.0,0.00%,F,F)



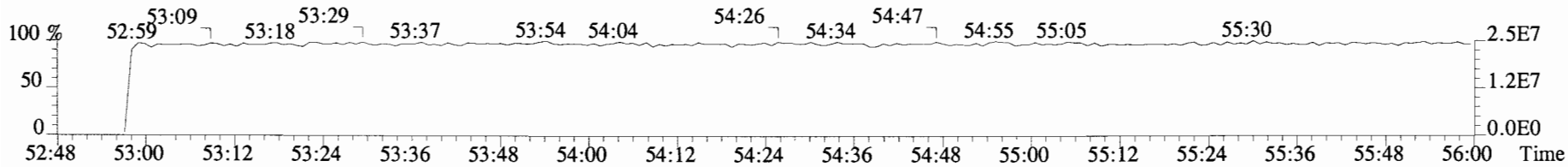

439.8038 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10252.0,0.00%,F,F)



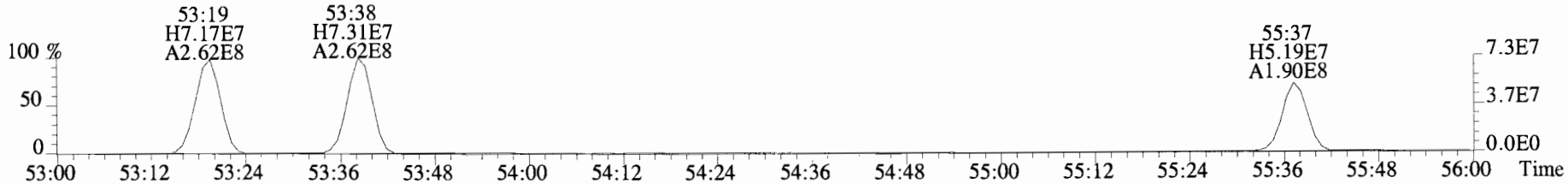

441.8008 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9748.0,0.00%,F,F)



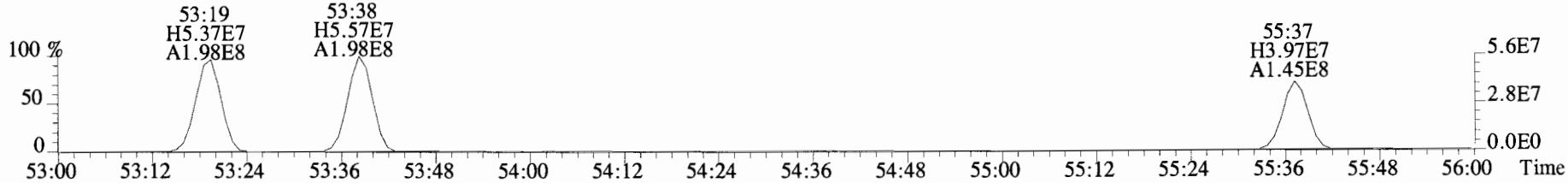

492.9697 S:5 F:5



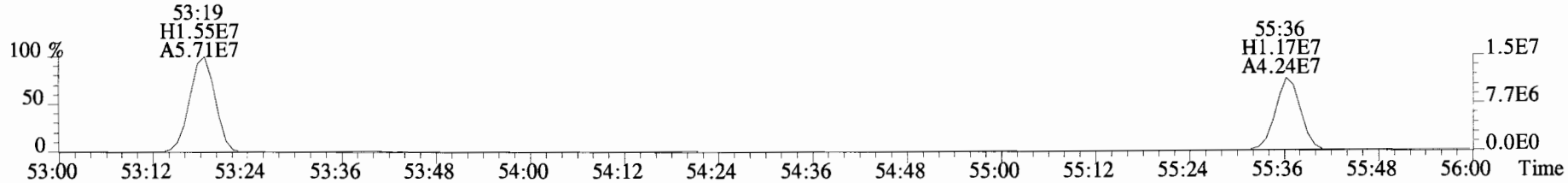
File:180208E1 #1-407 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
463.7216 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,229276.0,0.00%,F,F)



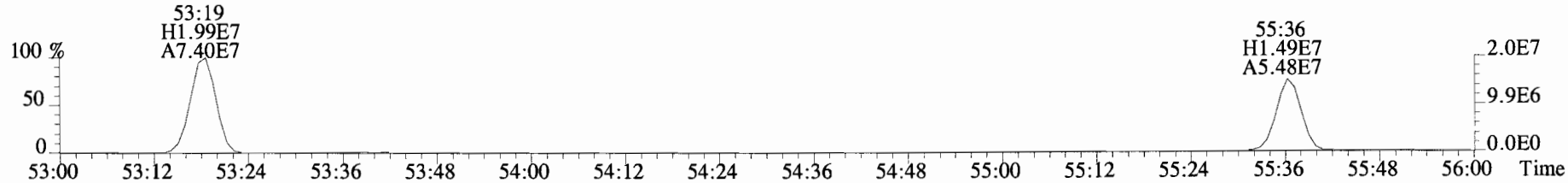

465.7186 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,174376.0,0.00%,F,F)



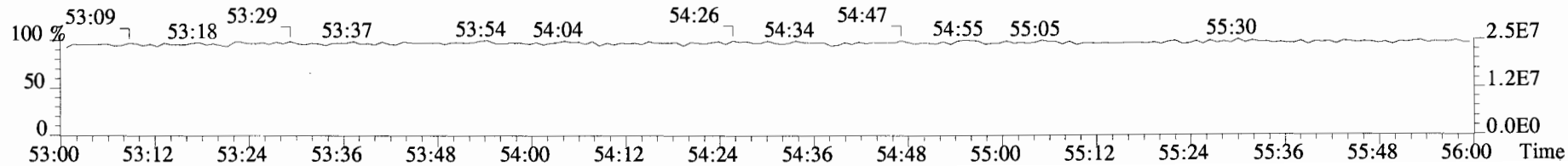

473.7648 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,37356.0,0.00%,F,F)



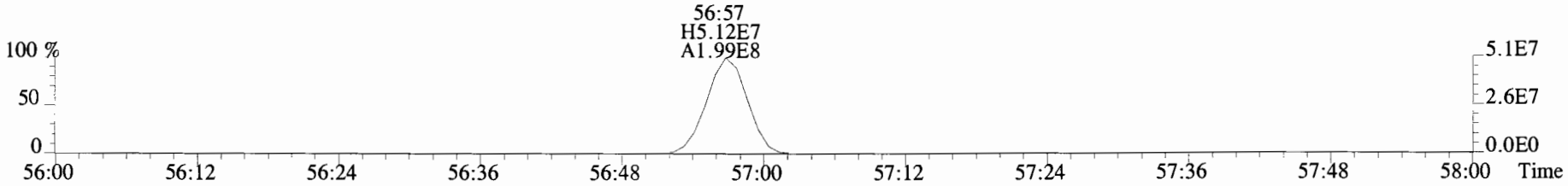

475.7619 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,47388.0,0.00%,F,F)



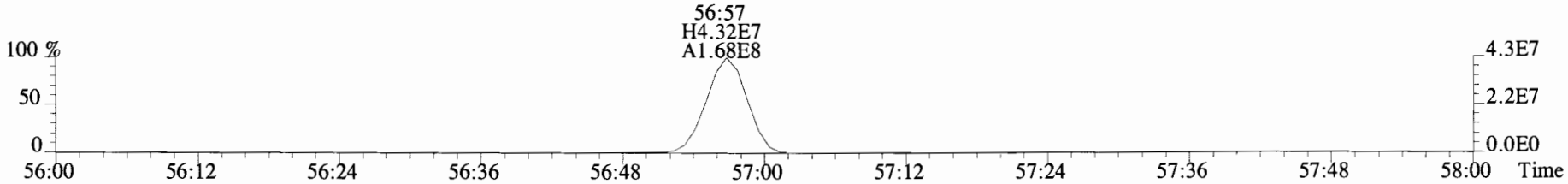

492.9697 S:5 F:5



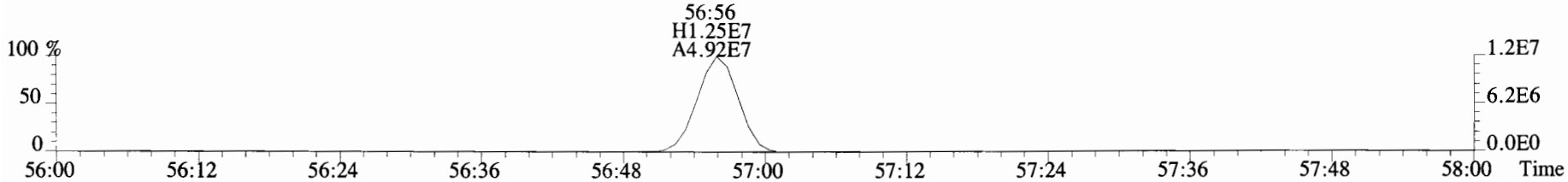
File:180208E1 #1-407 Acq: 8-FEB-2018 12:55:10 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-5 PCB CS4 17L3007 Exp:PCB_ZB1
497.6826 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1776.0,0.00%,F,F)



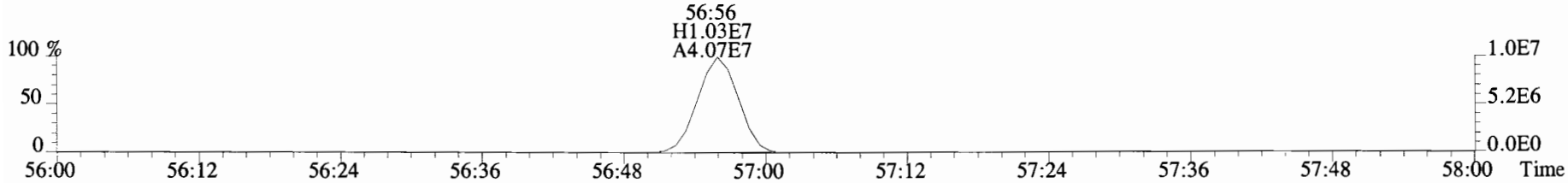

499.6797 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1780.0,0.00%,F,F)



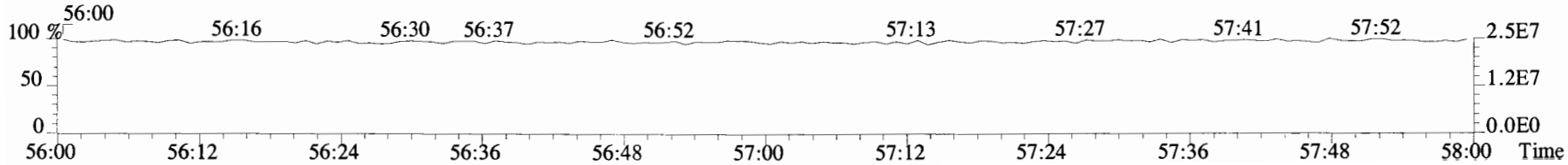

509.7229 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1792.0,0.00%,F,F)



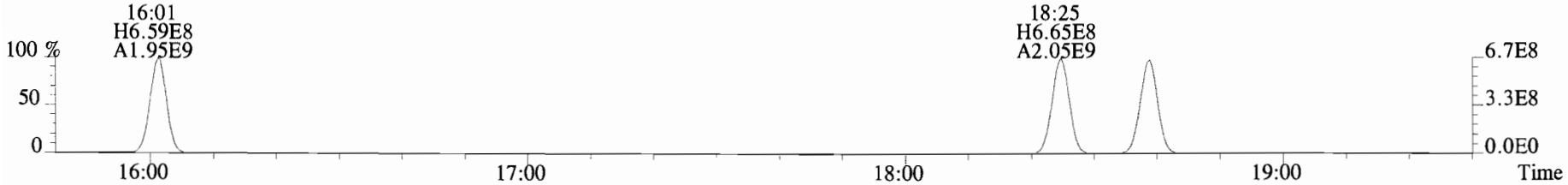

511.7199 S:5 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1656.0,0.00%,F,F)



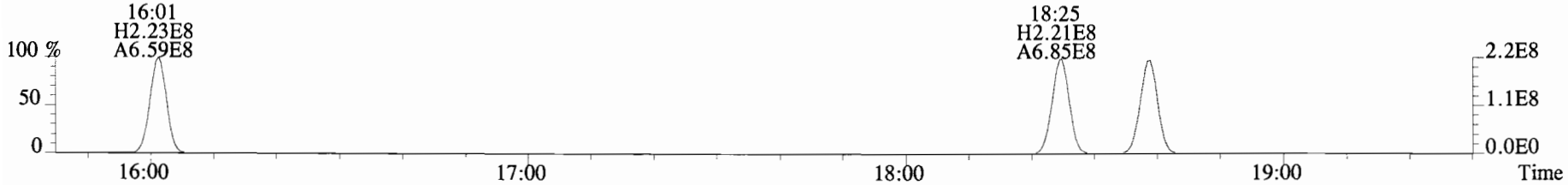

492.9697 S:5 F:5



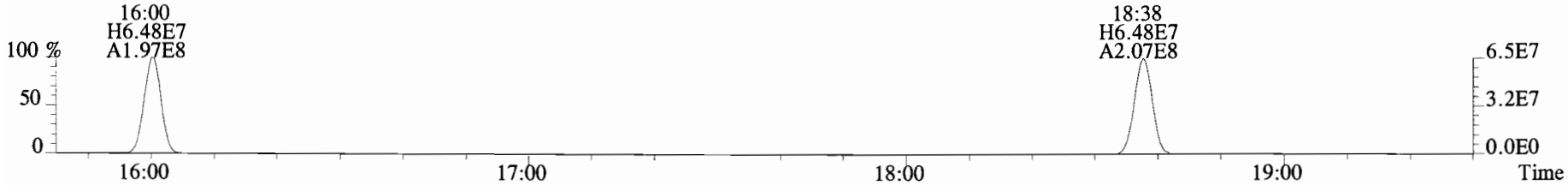
File:180208E1 #1-867 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
188.0393 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,13676.0,0.00%,F,F)



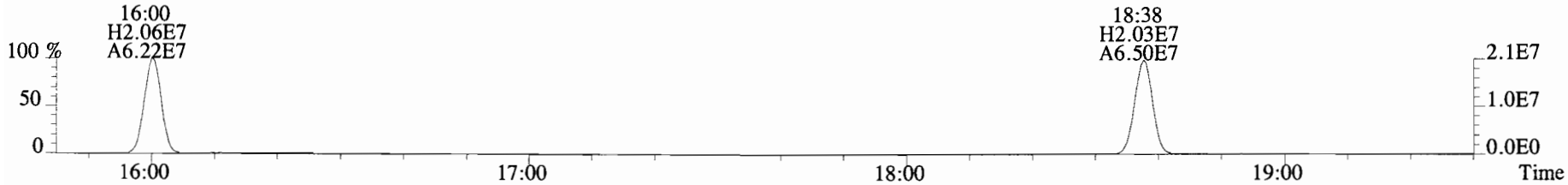

190.0363 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8128.0,0.00%,F,F)



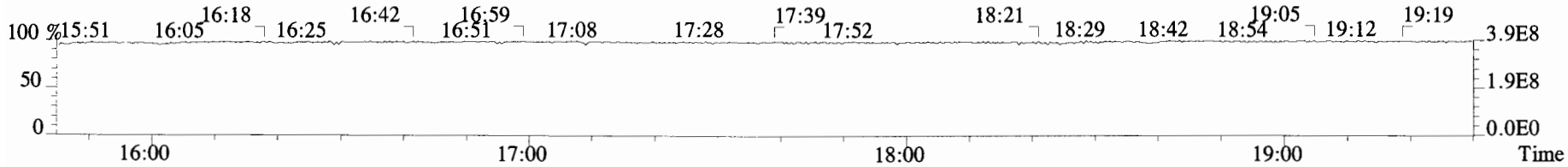

200.0795 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7876.0,0.00%,F,F)



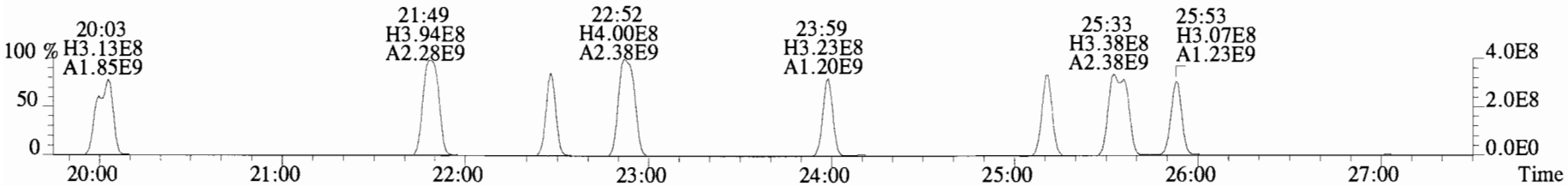

202.0766 S:6 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,40796.0,0.00%,F,F)



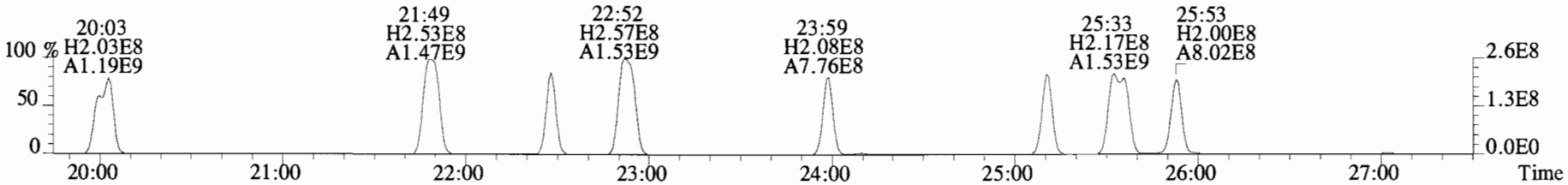

180.9880 S:6



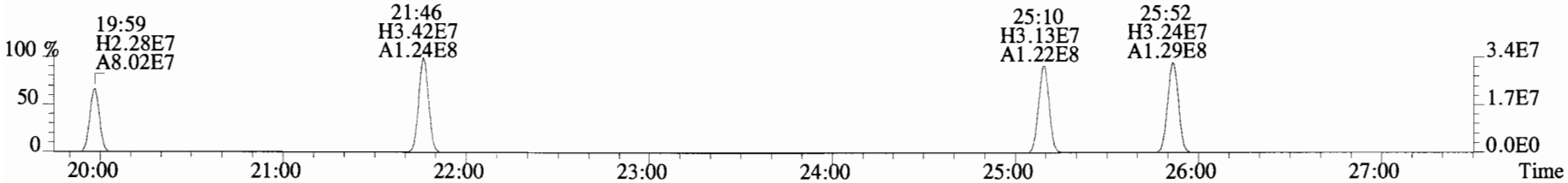
File:180208E1 #1-757 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
222.0003 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,105088.0,0.00%,F,F)



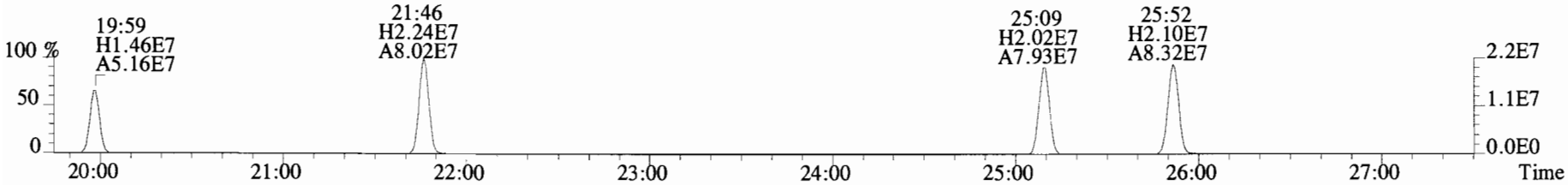

223.9974 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,63132.0,0.00%,F,F)



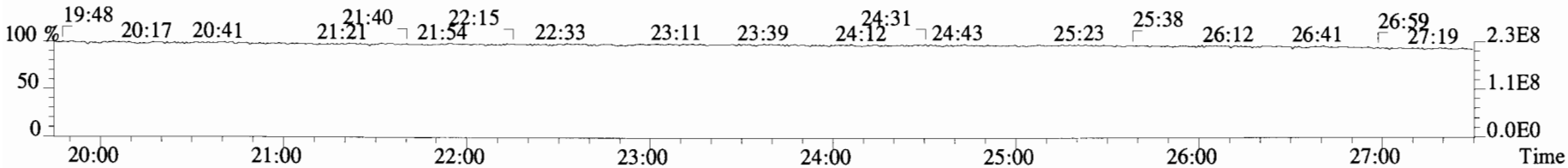

234.0406 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5376.0,0.00%,F,F)



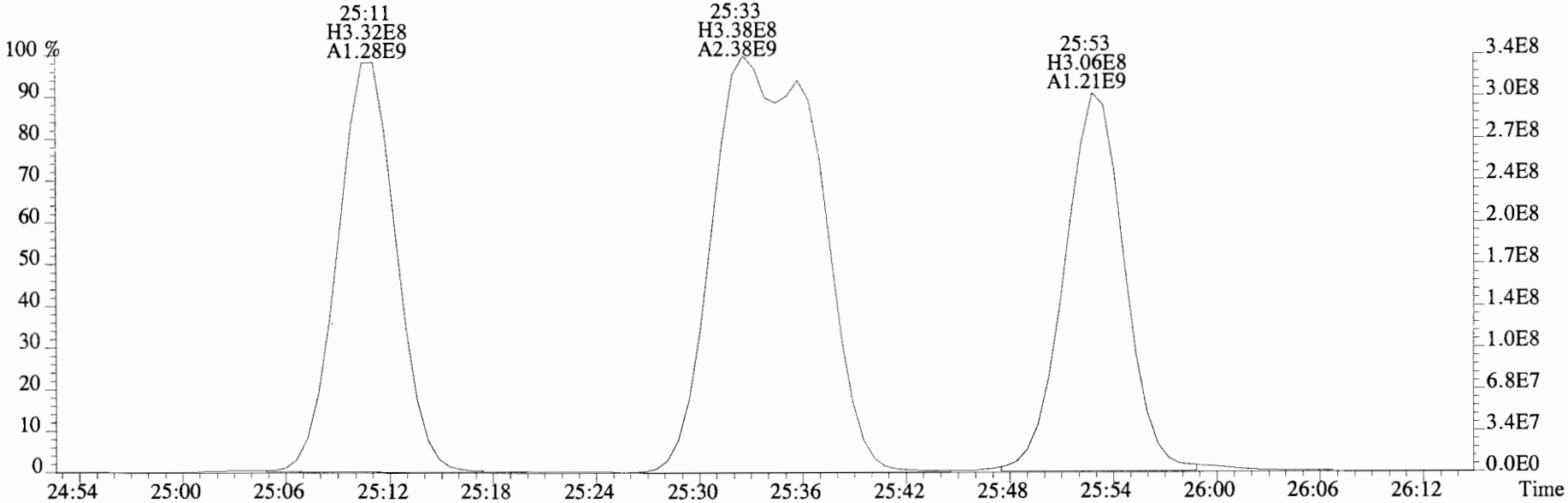

236.0376 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5360.0,0.00%,F,F)



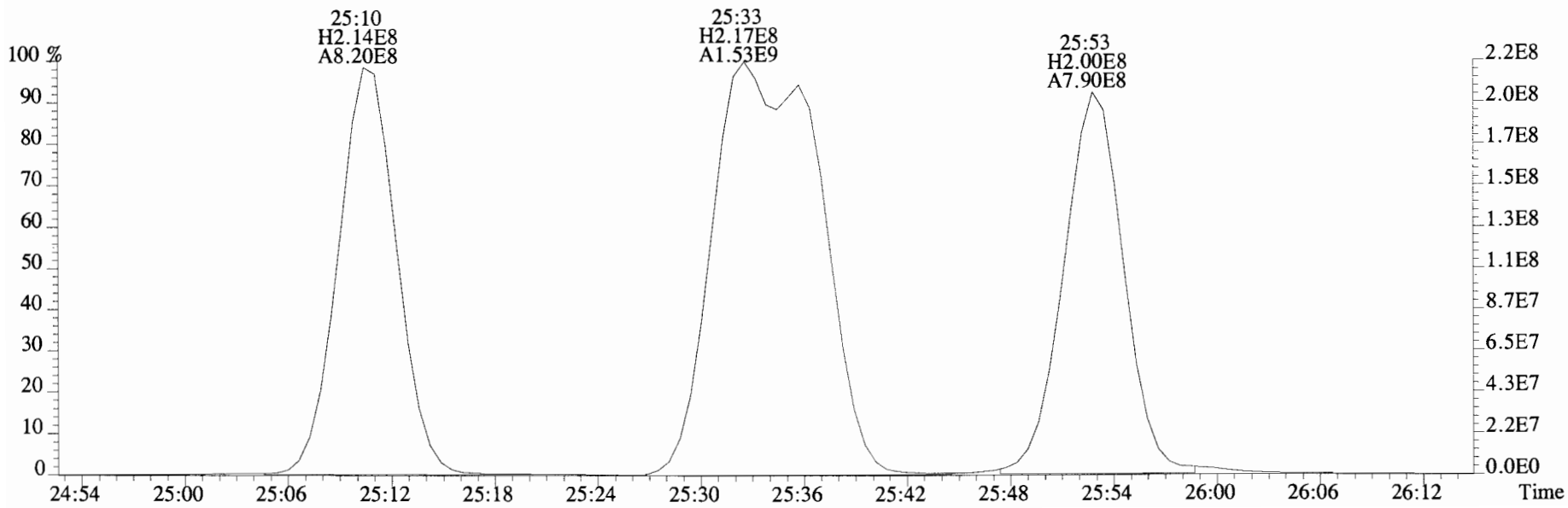

230.9856 S:6 F:2



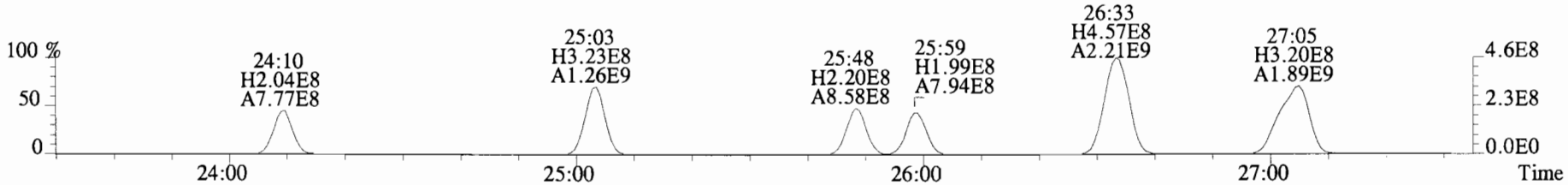
File:180208E1 #1-757 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
222.0003 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,105088.0,0.00%,F,F)



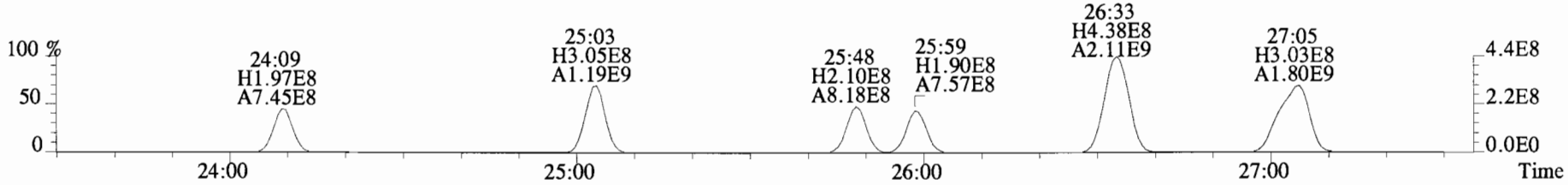

223.9974 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,63132.0,0.00%,F,F)



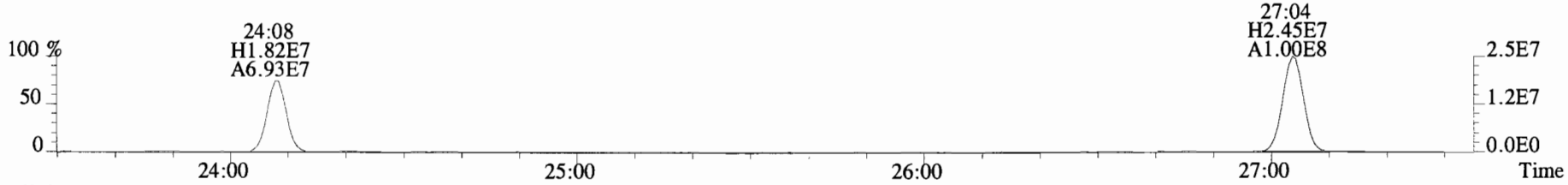
File:180208E1 #1-757 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
255.9613 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4416.0,0.00%,F,F)



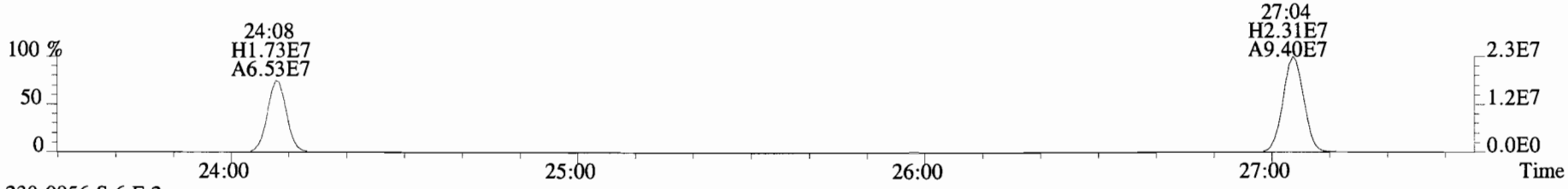

257.9584 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3504.0,0.00%,F,F)



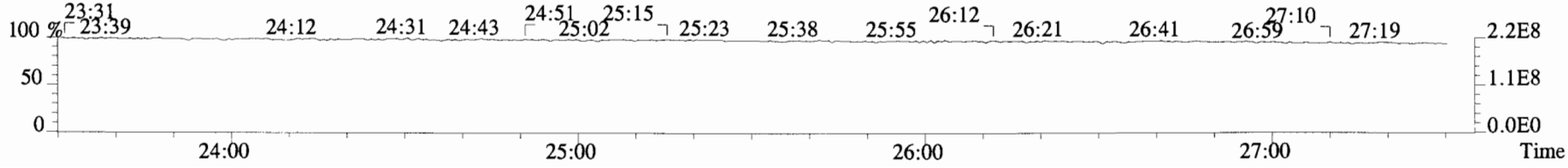

268.0016 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,90196.0,0.00%,F,F)



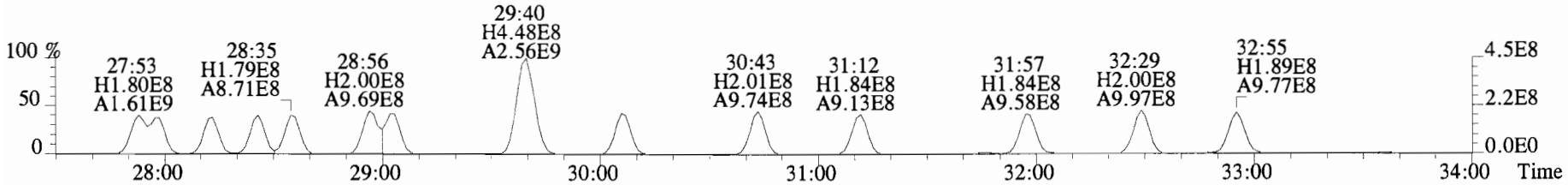

269.9986 S:6 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,38764.0,0.00%,F,F)



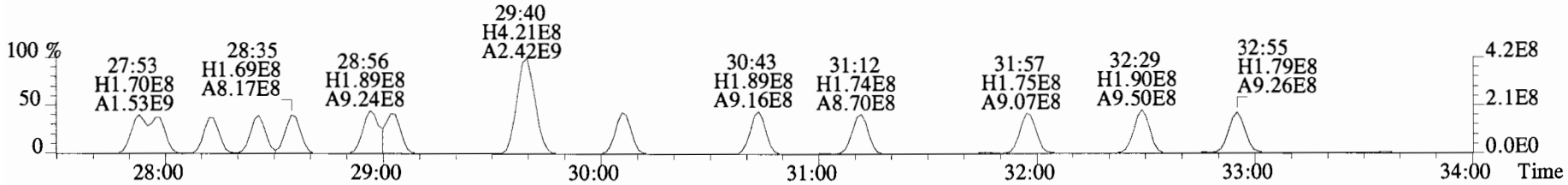

230.9856 S:6 F:2



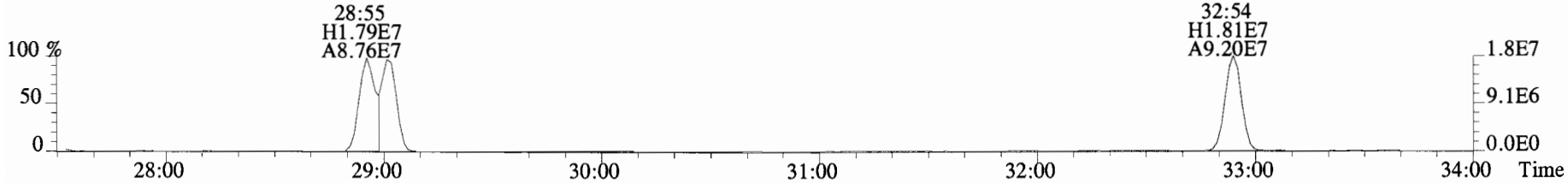
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
255.9613 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,213976.0,0.00%,F,F)



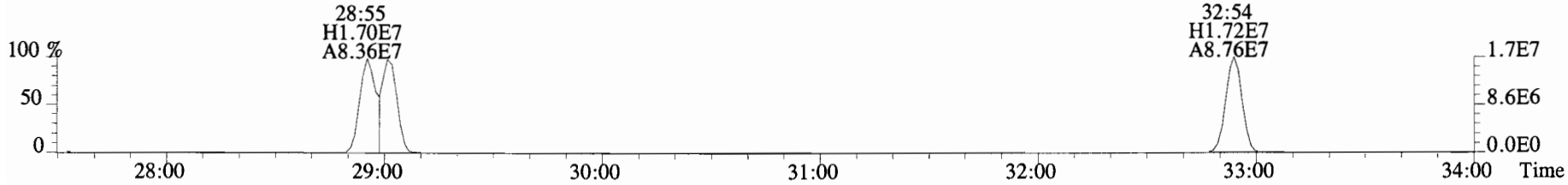

257.9584 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,176416.0,0.00%,F,F)



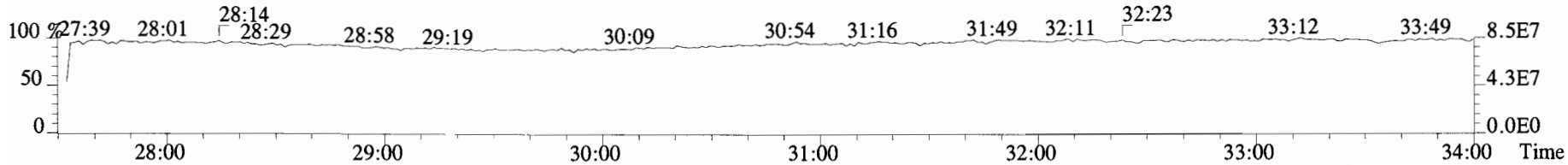

268.0016 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,63432.0,0.00%,F,F)



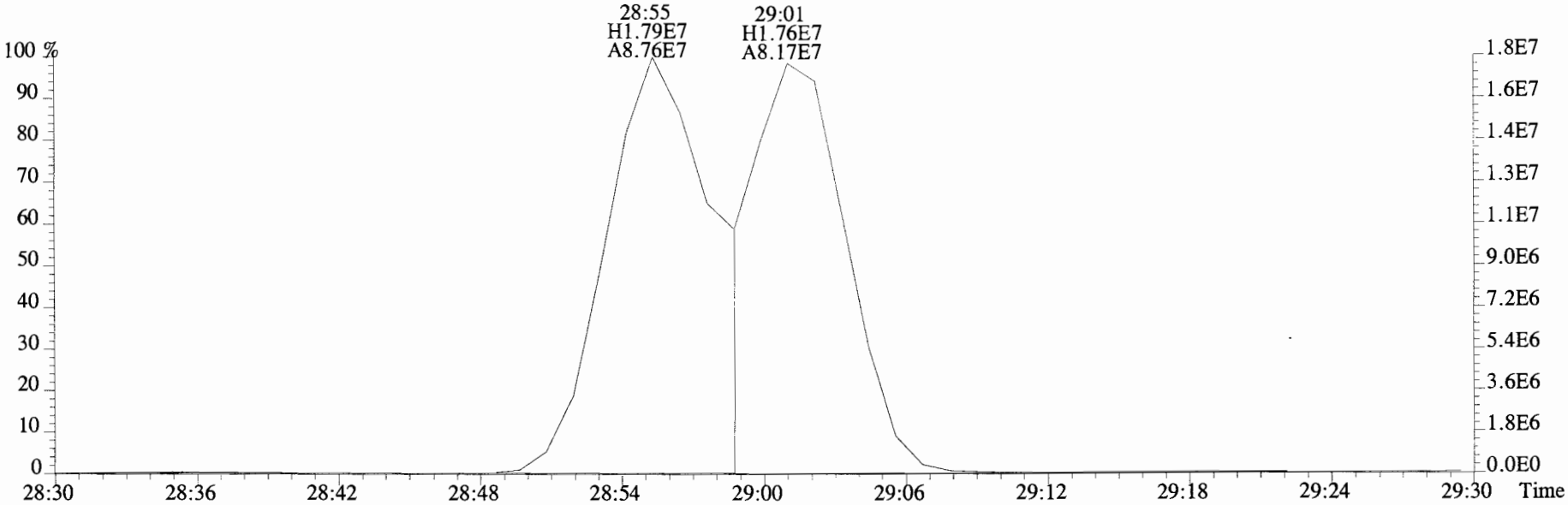

269.9986 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25116.0,0.00%,F,F)



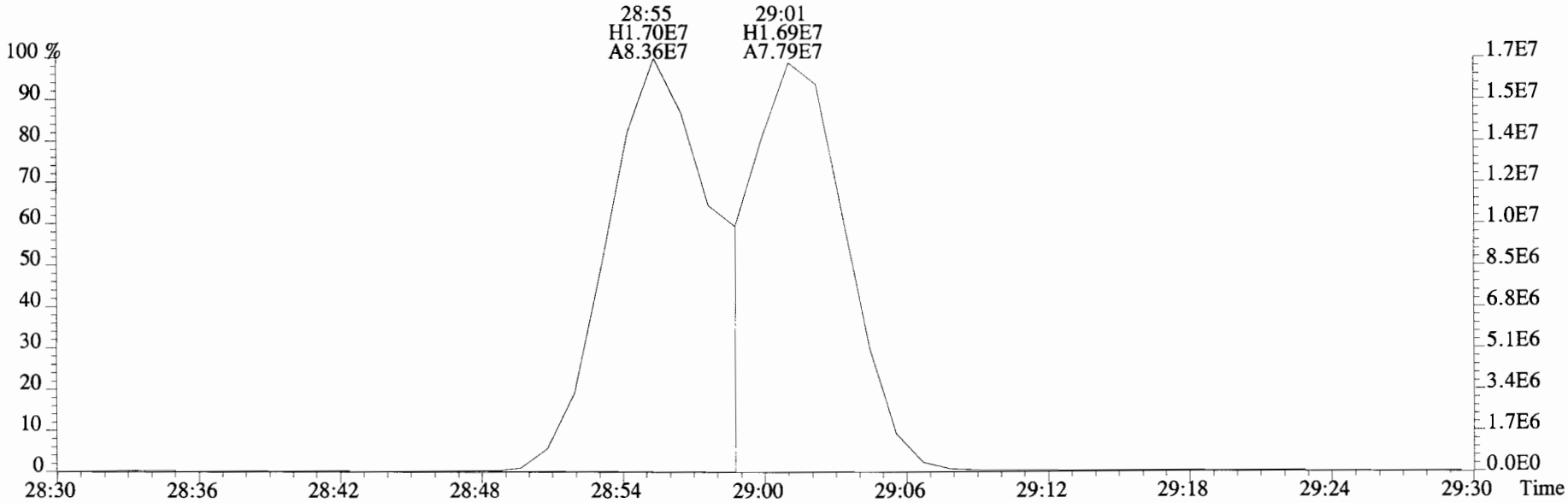

330.9792 S:6 F:3



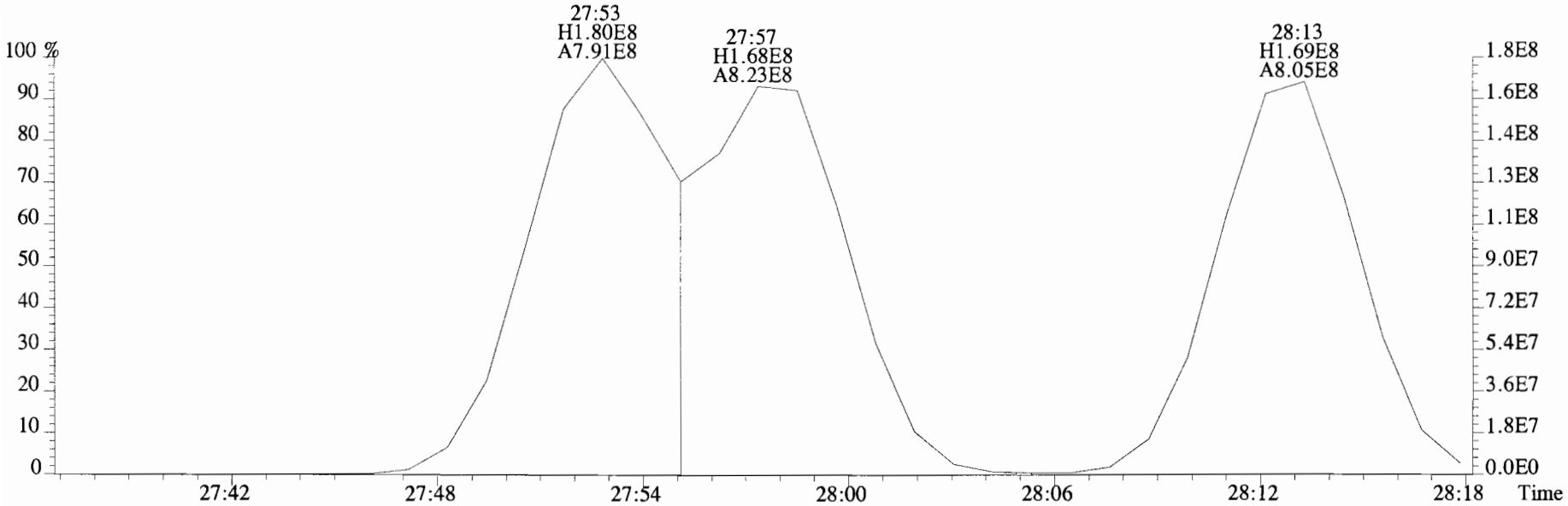
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
268.0016 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,63432.0,0.00%,F,F)



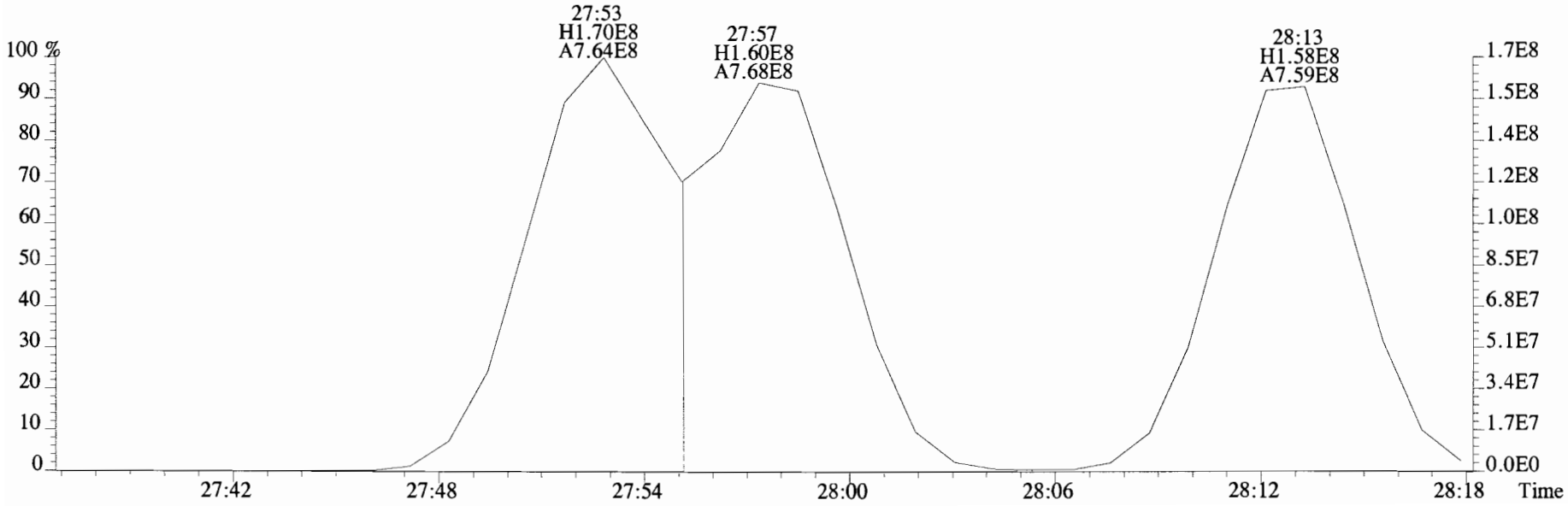

269.9986 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,25116.0,0.00%,F,F)



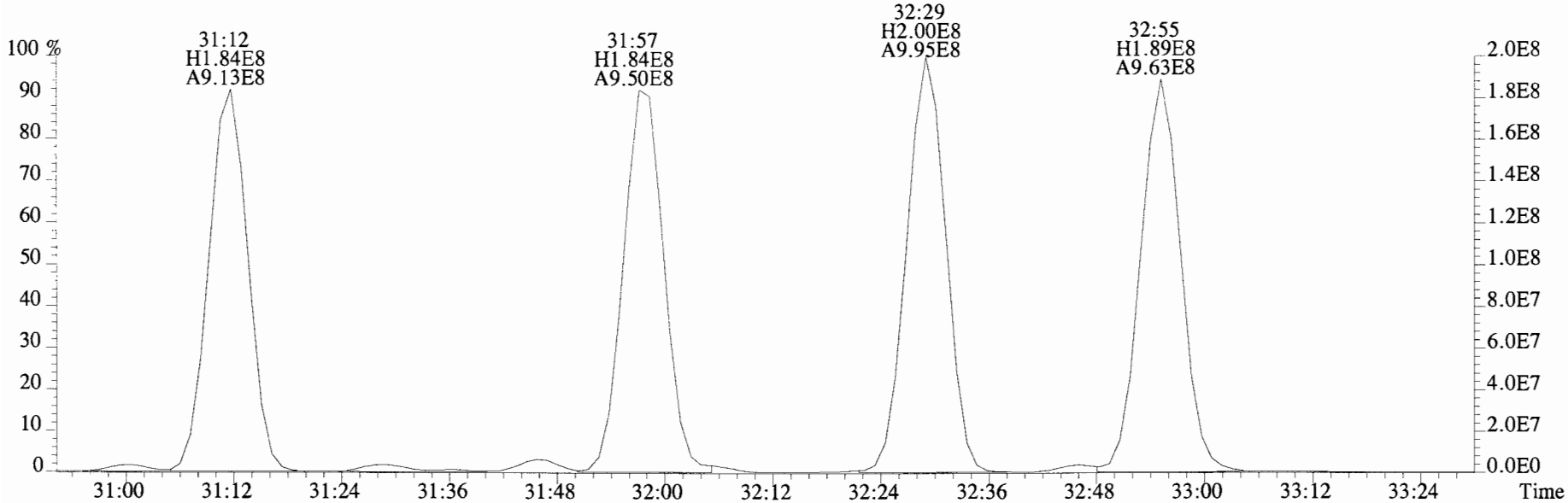
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
255.9613 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,213976.0,0.00%,F,F)



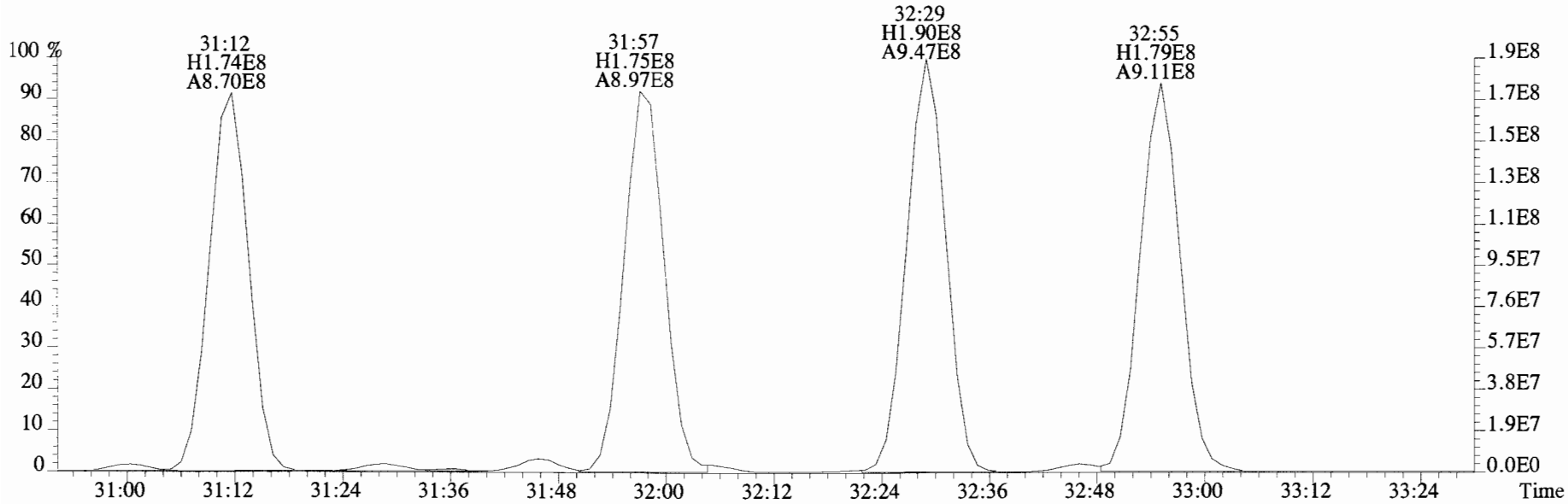

257.9584 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,176416.0,0.00%,F,F)



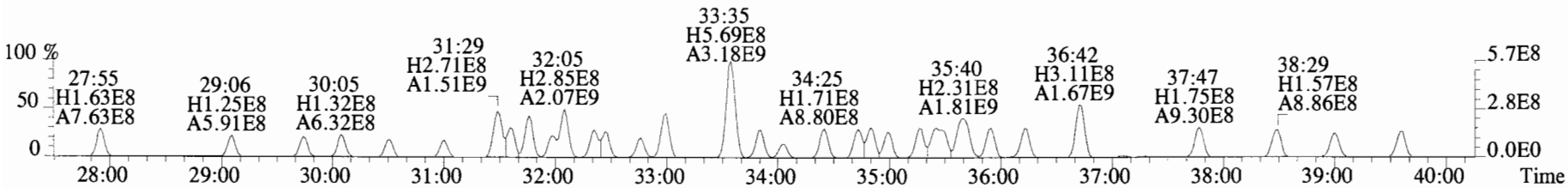
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
255.9613 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,213976.0,0.00%,F,F)



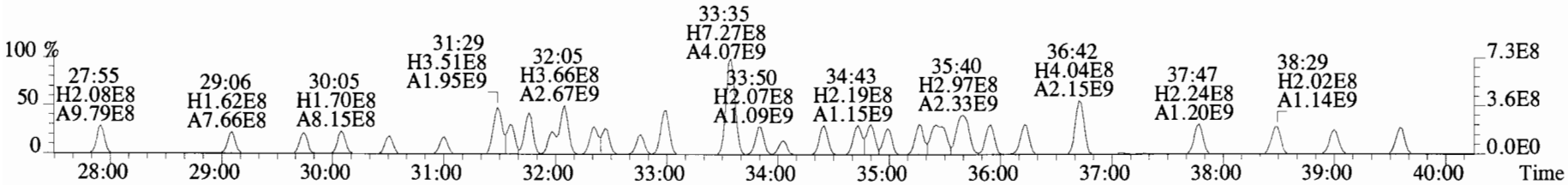

257.9584 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,176416.0,0.00%,F,F)



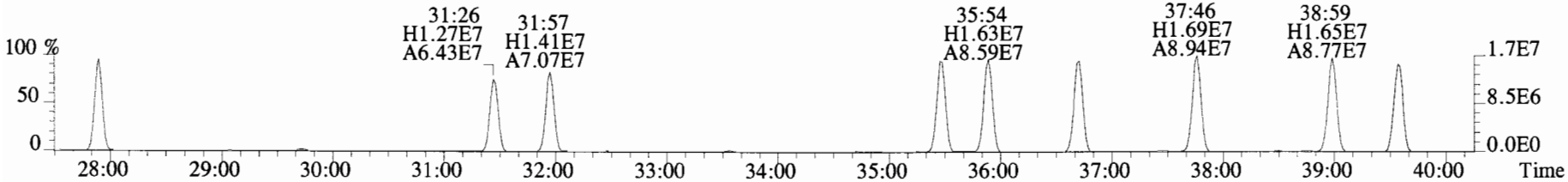
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,258380.0,0.00%,F,F)



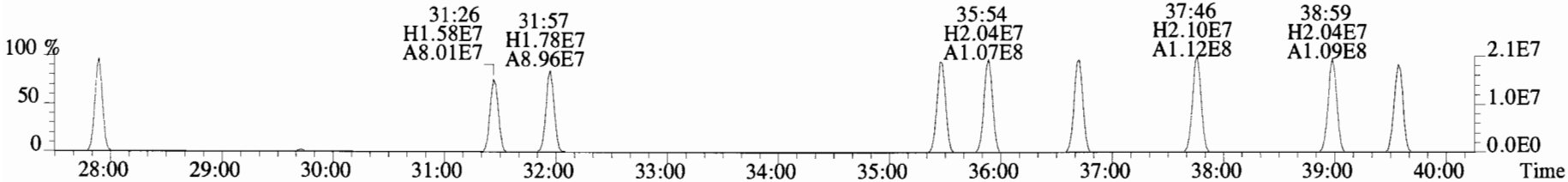

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,148624.0,0.00%,F,F)



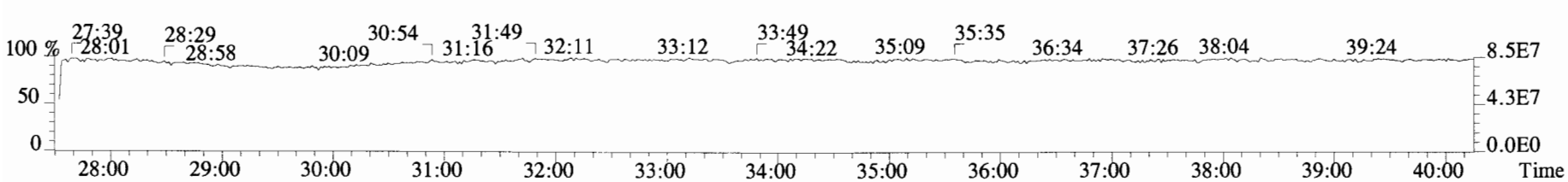

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35976.0,0.00%,F,F)



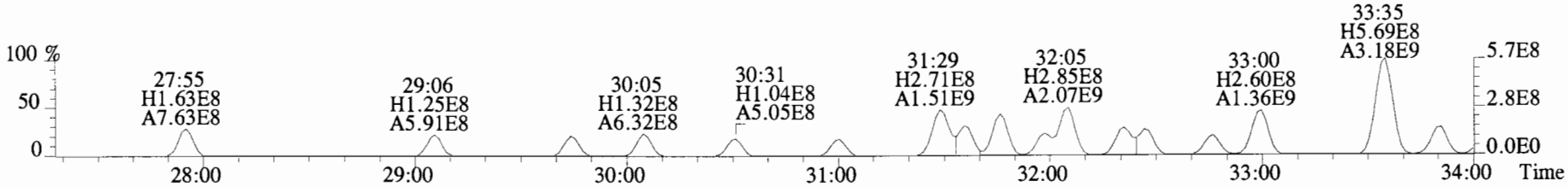

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23044.0,0.00%,F,F)



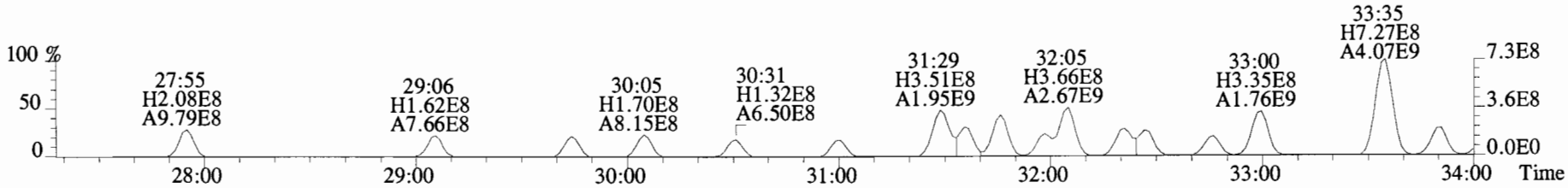

330.9792 S:6 F:3



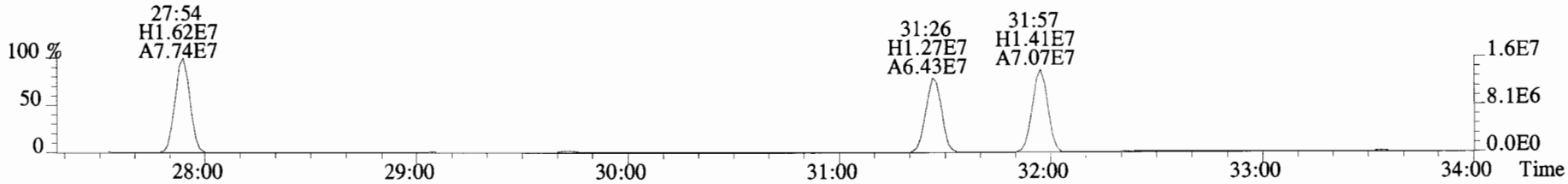
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,258380.0,0.00%,F,F)



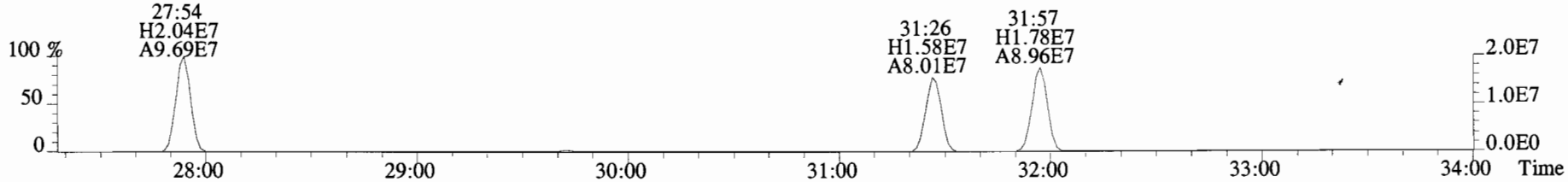

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,148624.0,0.00%,F,F)



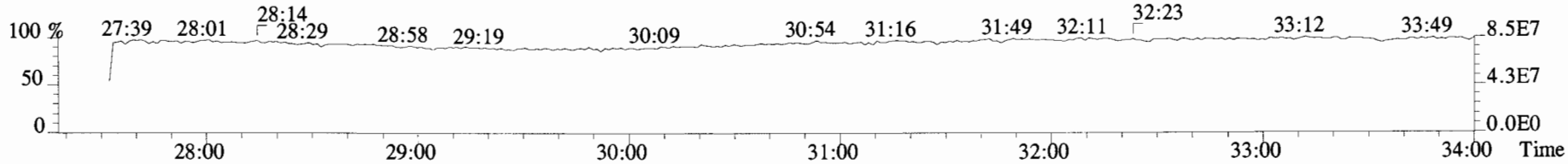

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35976.0,0.00%,F,F)



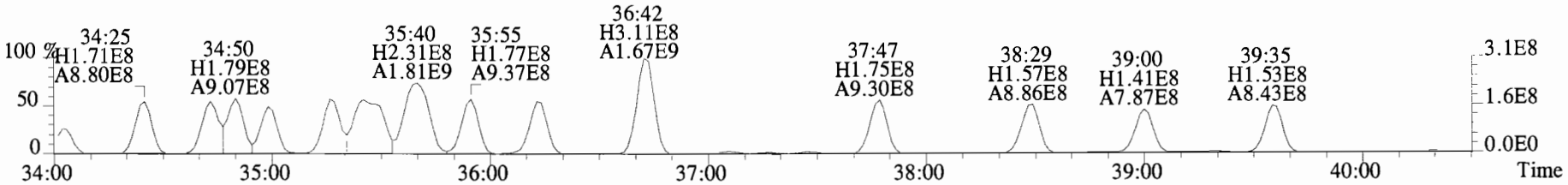

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23044.0,0.00%,F,F)



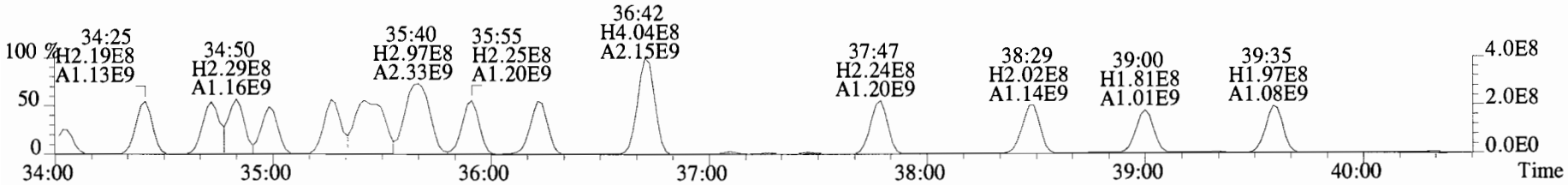

330.9792 S:6 F:3



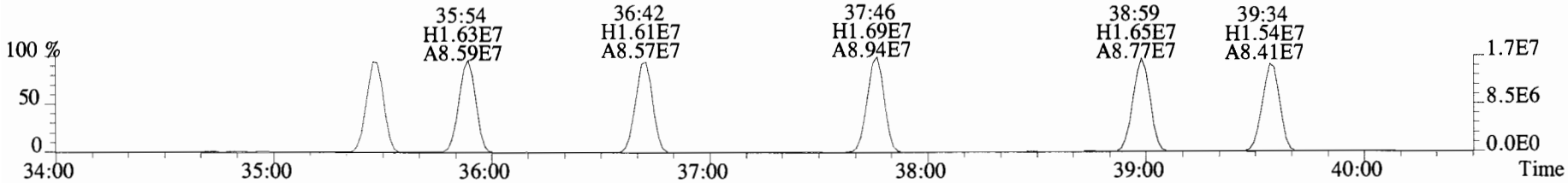
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,258380.0,0.00%,F,F)



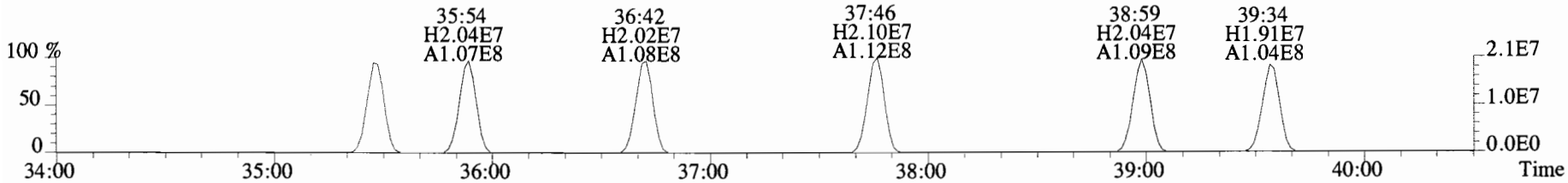

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,148624.0,0.00%,F,F)



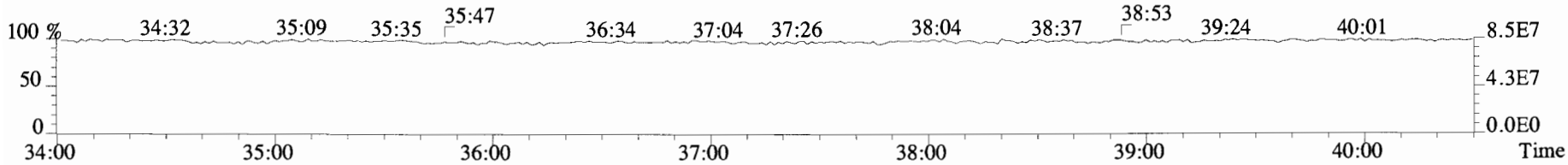

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35976.0,0.00%,F,F)



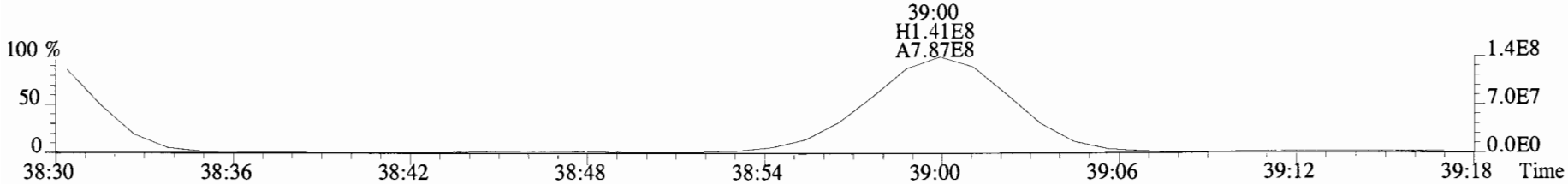

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23044.0,0.00%,F,F)



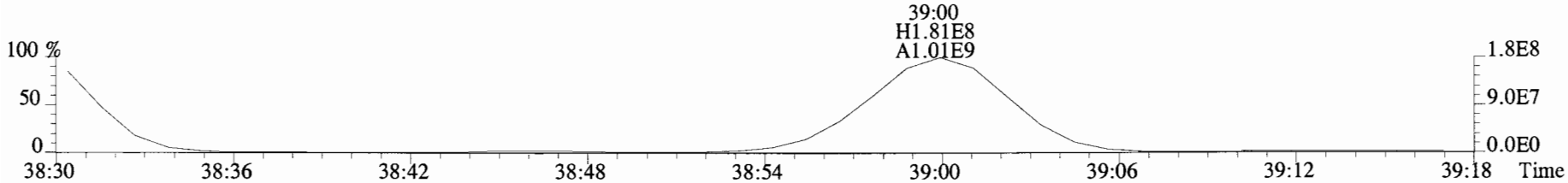

330.9792 S:6 F:3



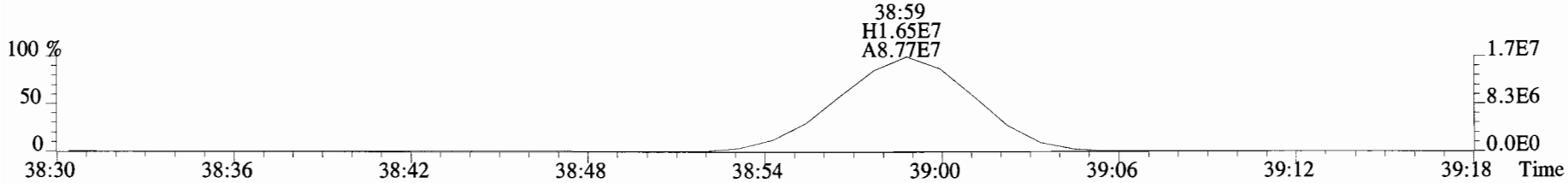
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,258380.0,0.00%,F,F)



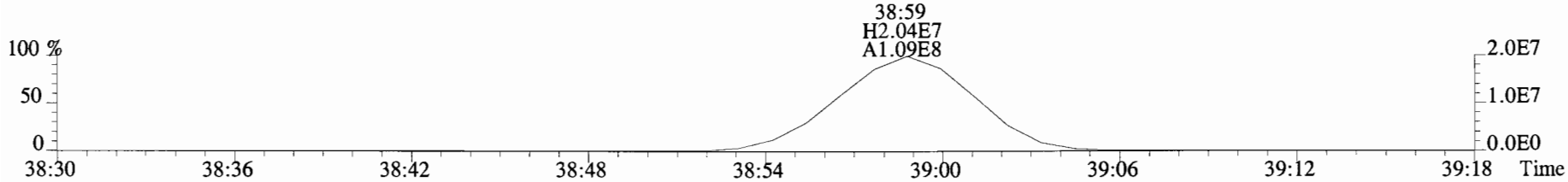

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,148624.0,0.00%,F,F)



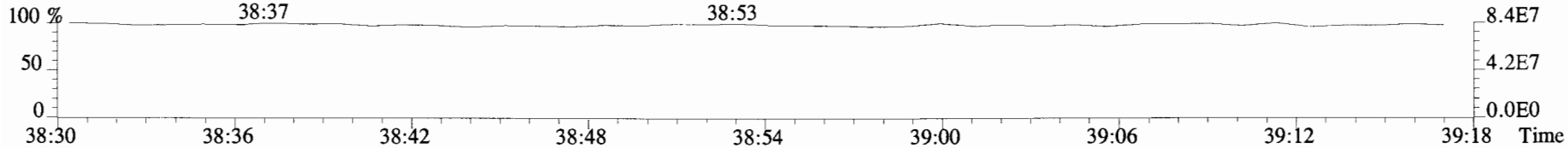

301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35976.0,0.00%,F,F)



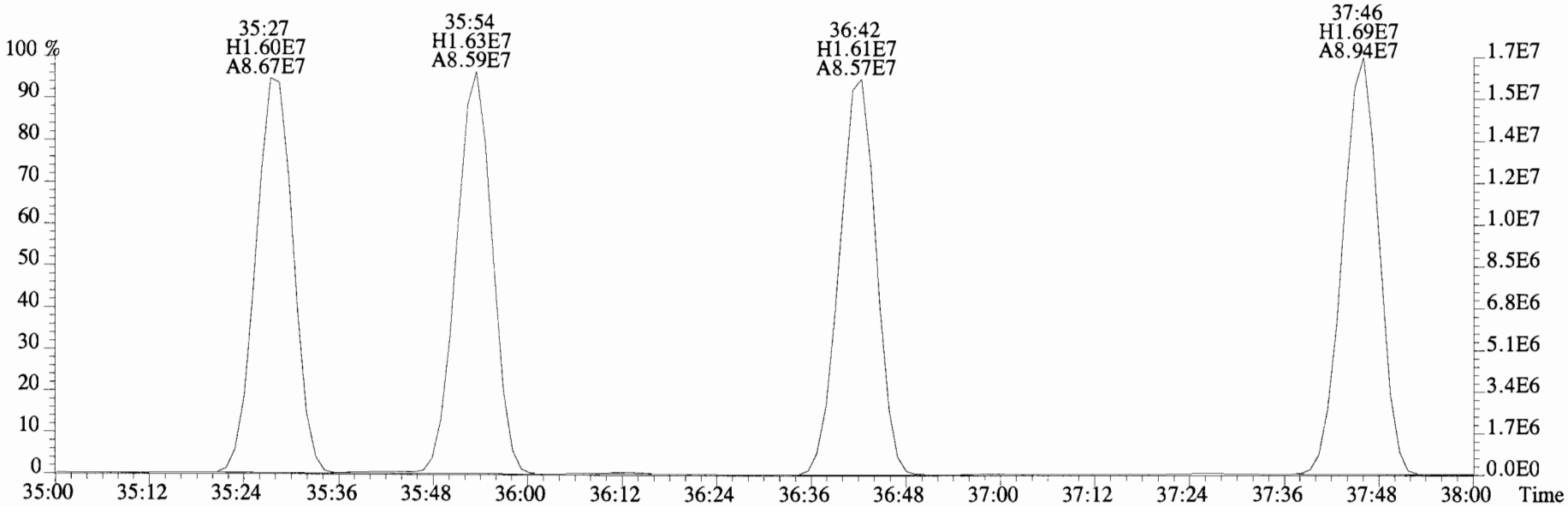

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23044.0,0.00%,F,F)



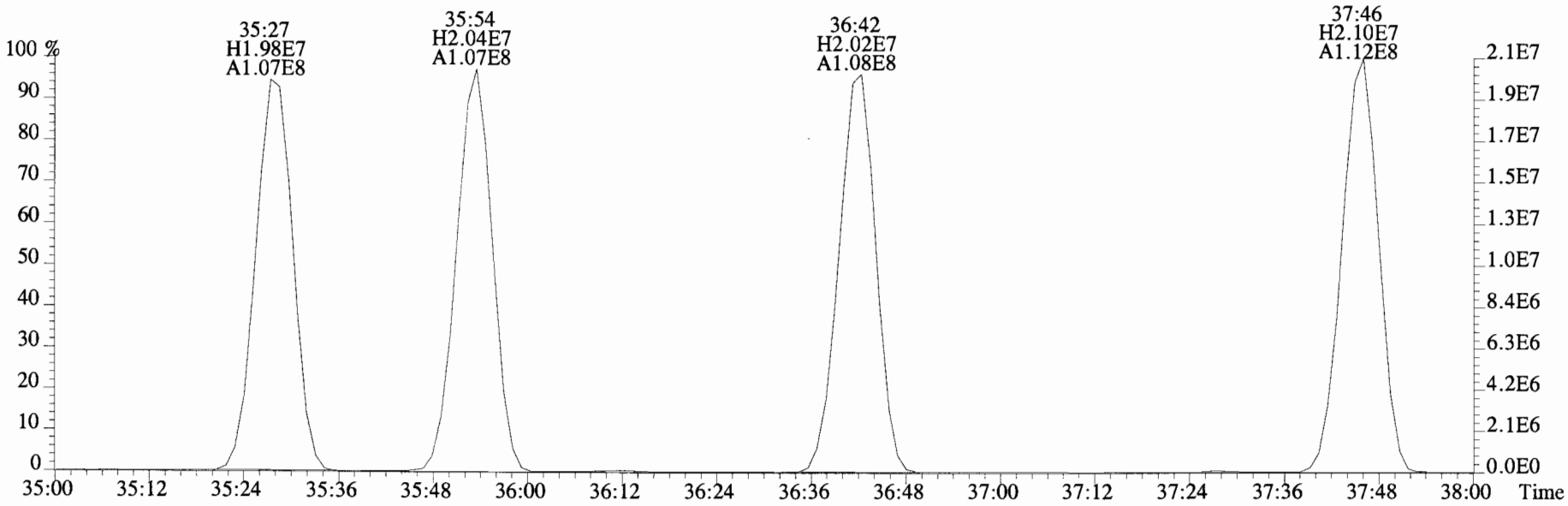

330.9792 S:6 F:3



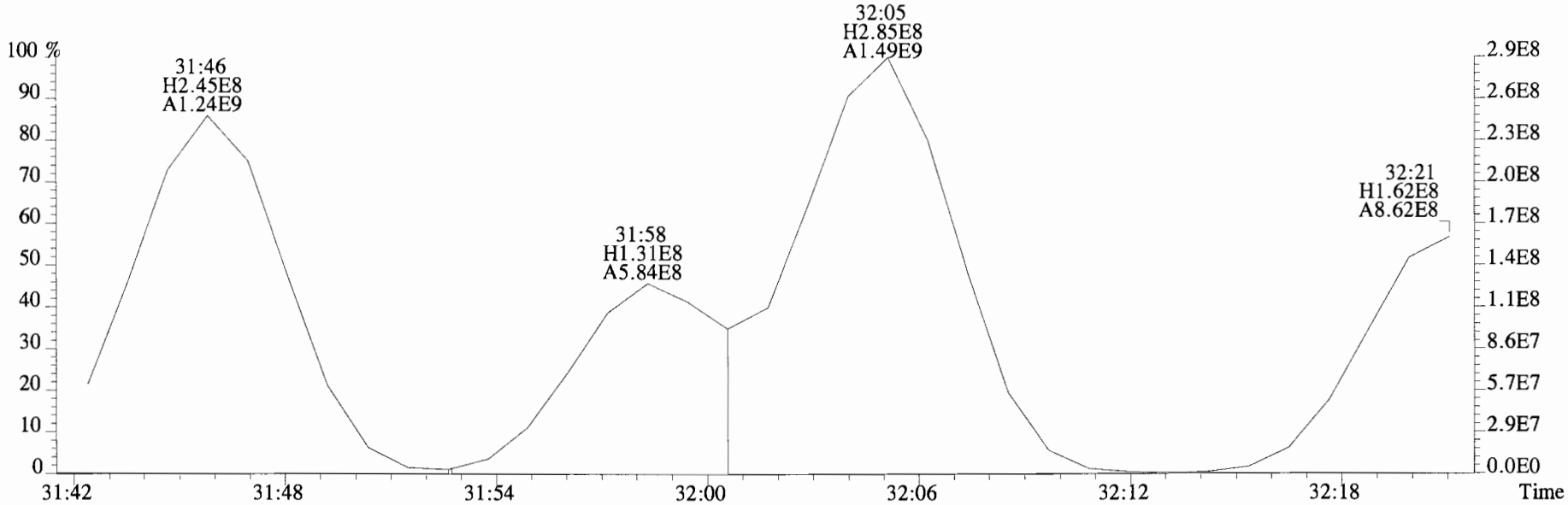
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
301.9626 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,35976.0,0.00%,F,F)



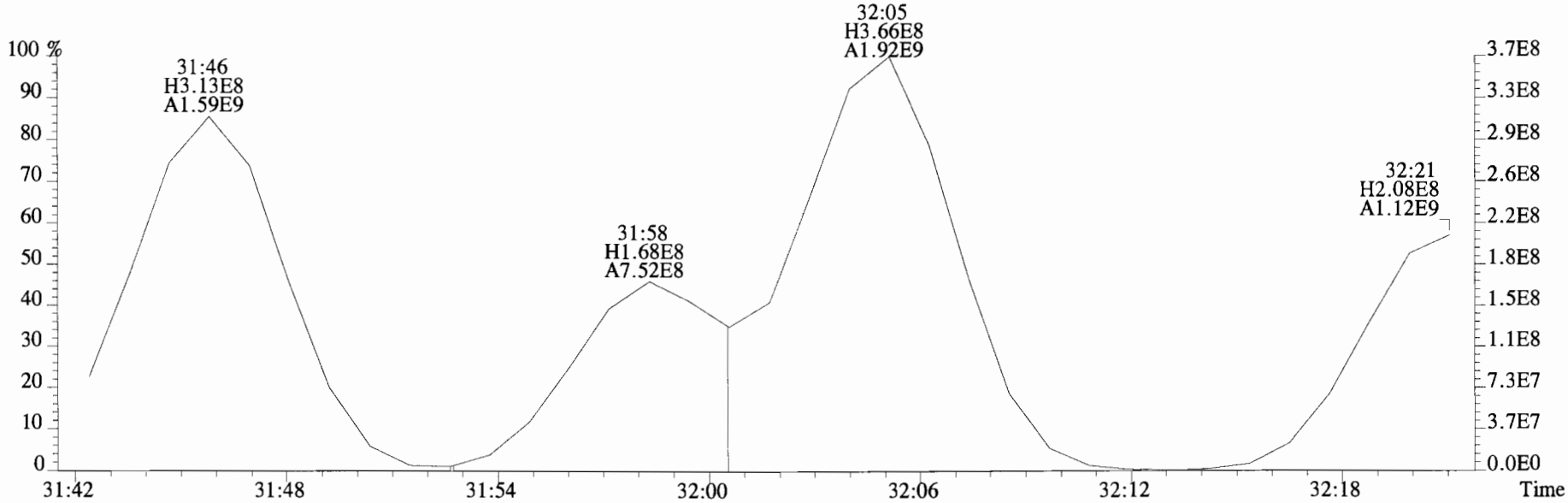

303.9597 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,23044.0,0.00%,F,F)



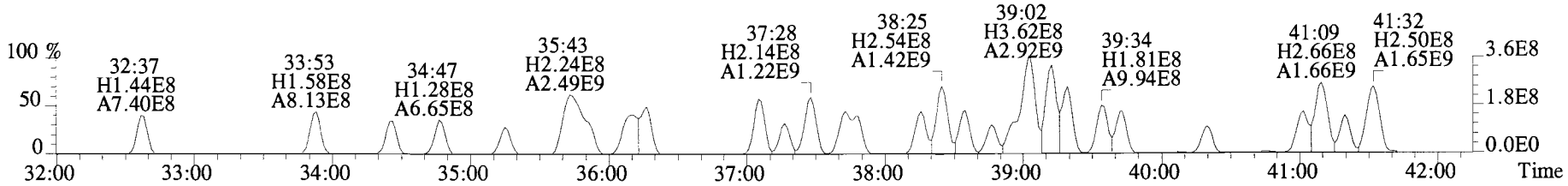
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
289.9224 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,258380.0,0.00%,F,F)



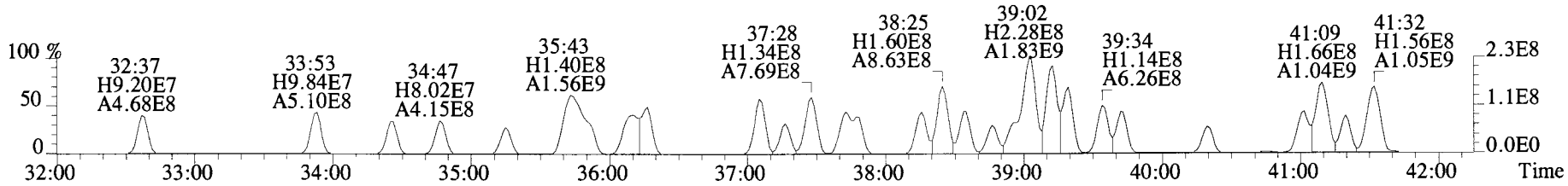

291.9194 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,148624.0,0.00%,F,F)



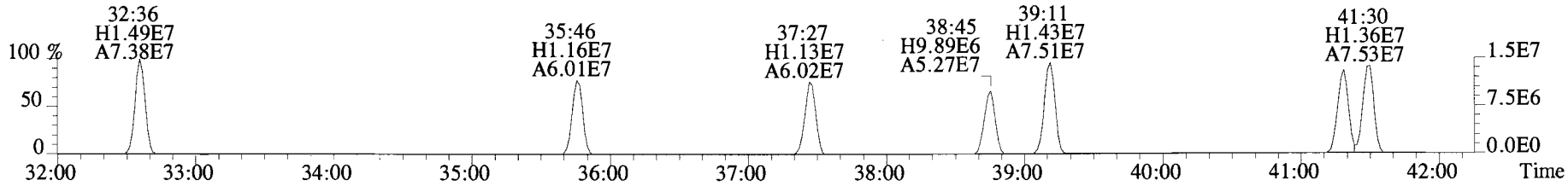
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12936.0,0.00%,F,F)



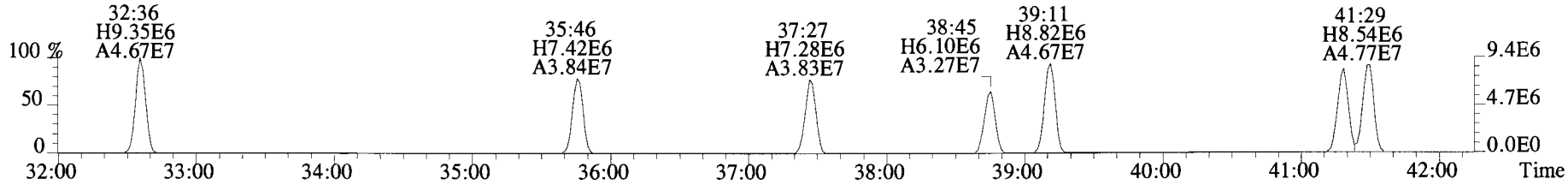

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6380.0,0.00%,F,F)



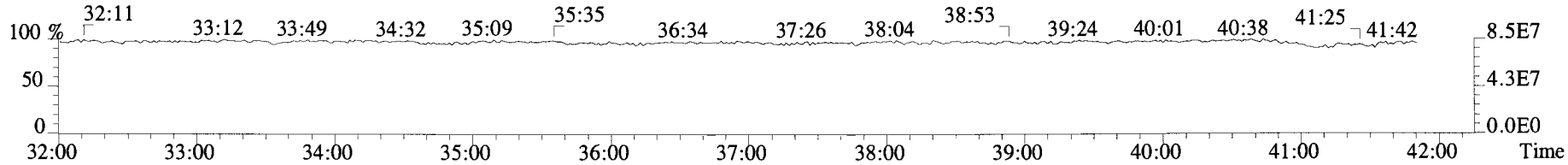

337.9207 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7344.0,0.00%,F,F)




339.9177 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7576.0,0.00%,F,F)

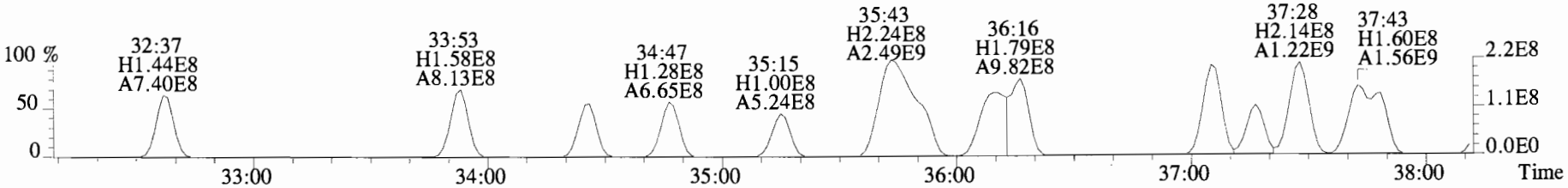



330.9792 S:6 F:3

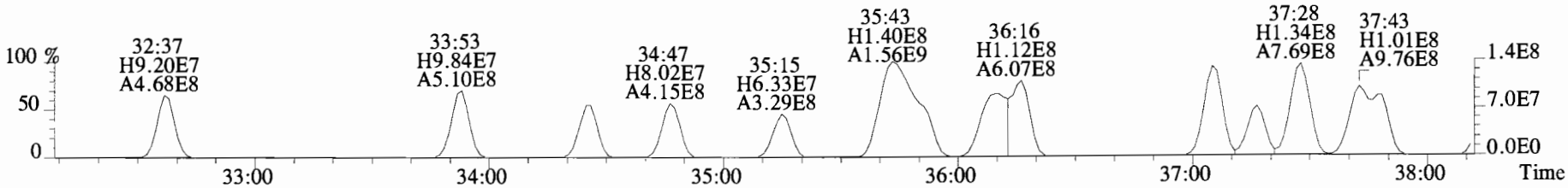


File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1

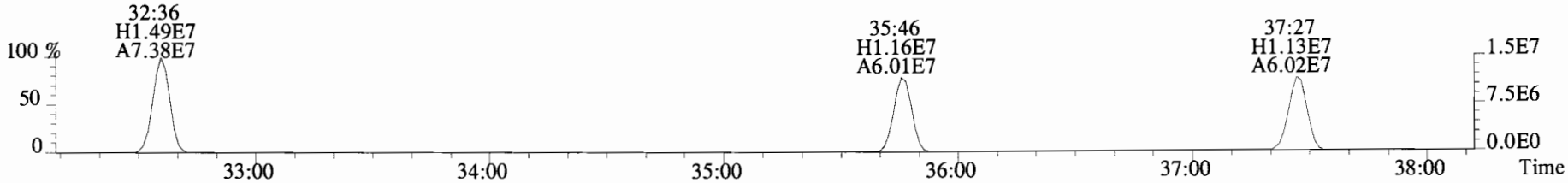
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12936.0,0.00%,F,F)



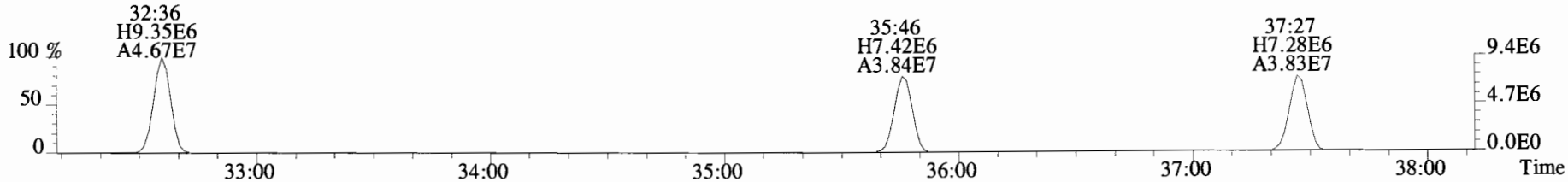

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6380.0,0.00%,F,F)



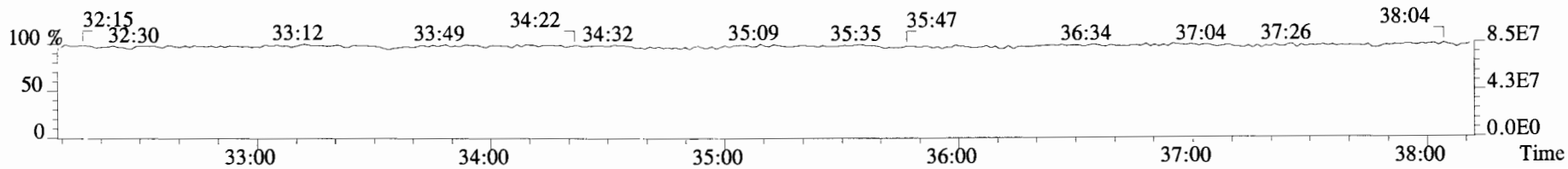

337.9207 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7344.0,0.00%,F,F)



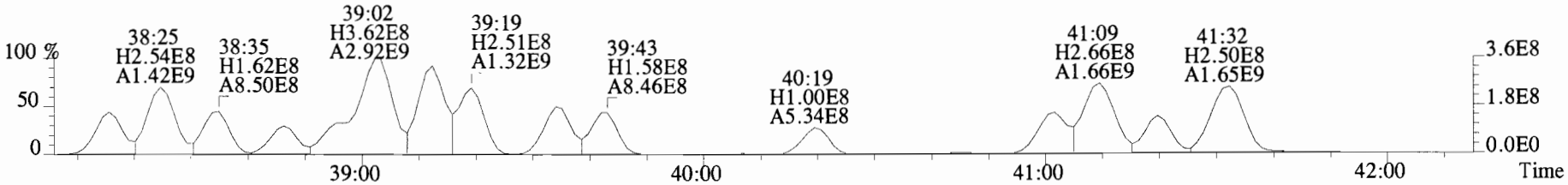

339.9177 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7576.0,0.00%,F,F)



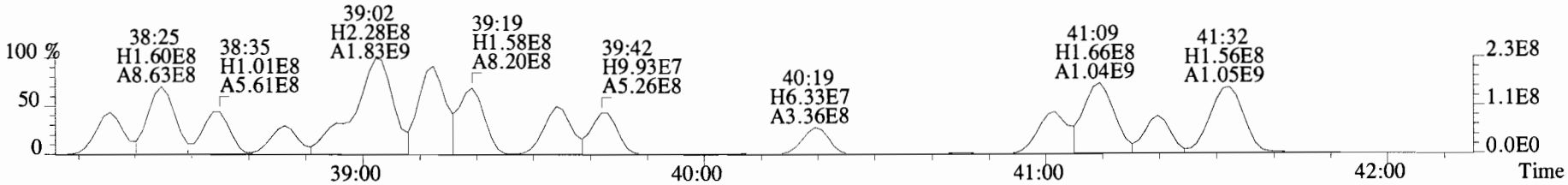

330.9792 S:6 F:3



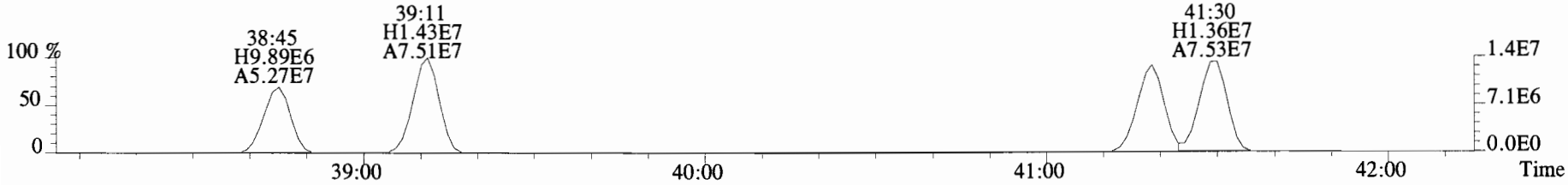
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12936.0,0.00%,F,F)



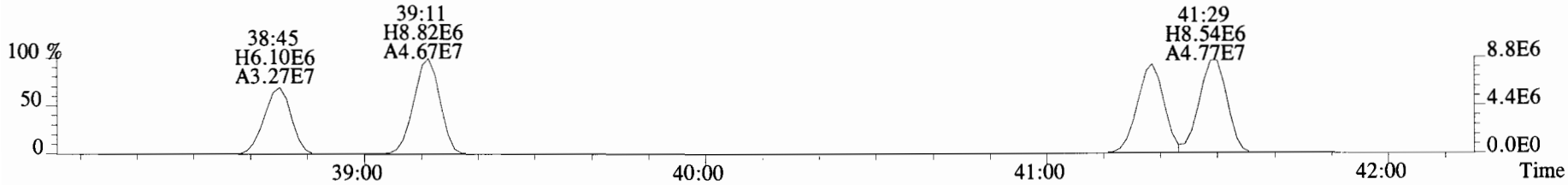

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6380.0,0.00%,F,F)



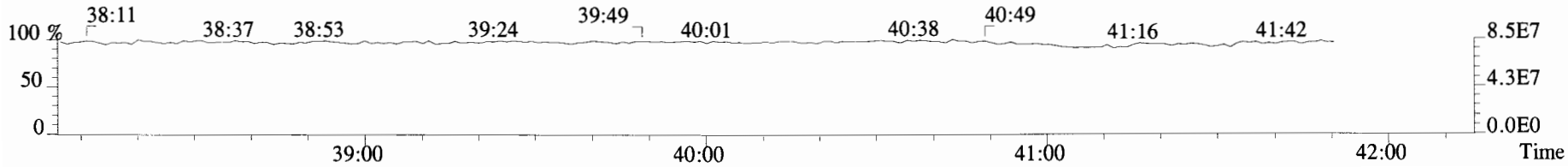

337.9207 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7344.0,0.00%,F,F)



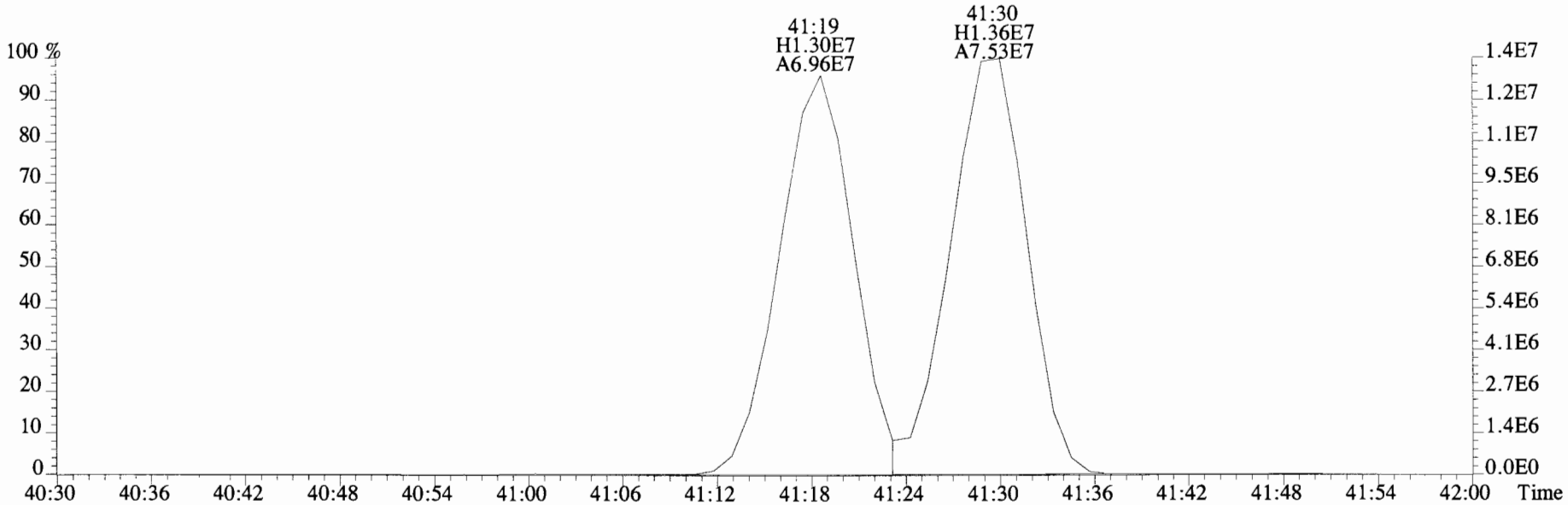

339.9177 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7576.0,0.00%,F,F)



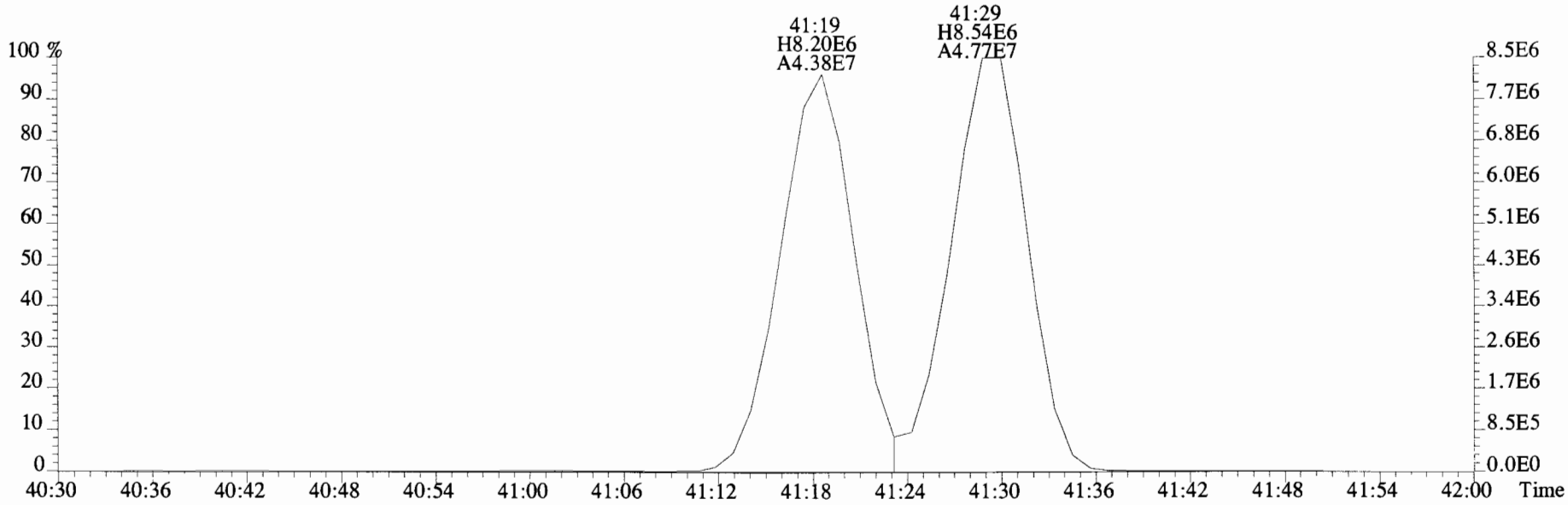

330.9792 S:6 F:3



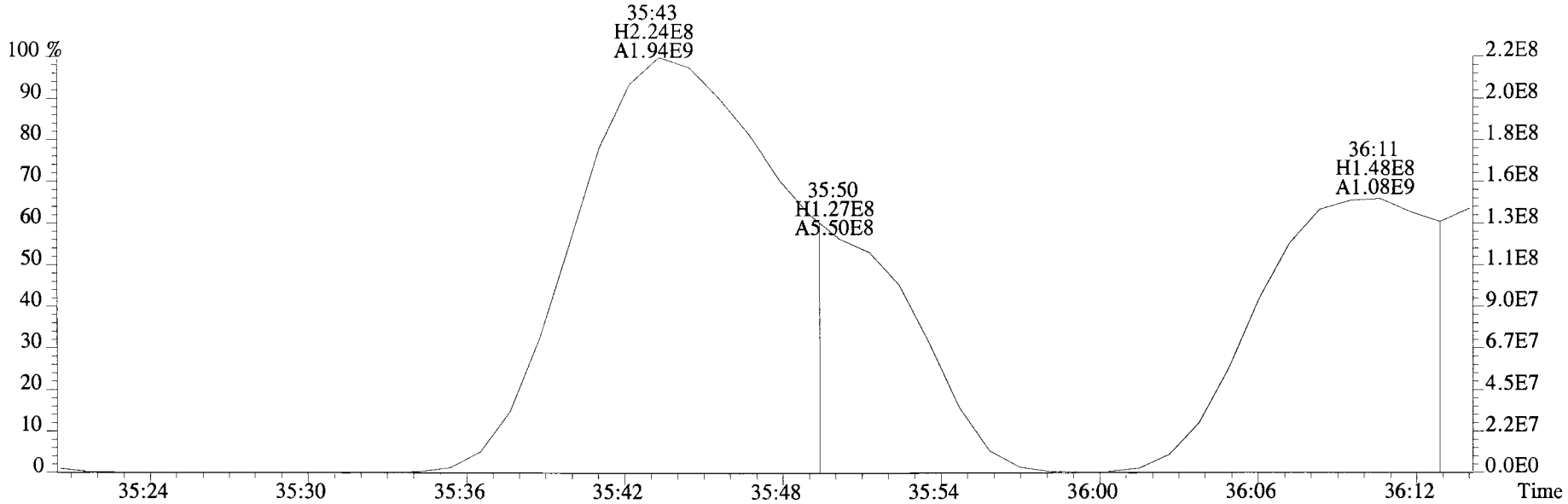
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
337.9207 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7344.0,0.00%,F,F)



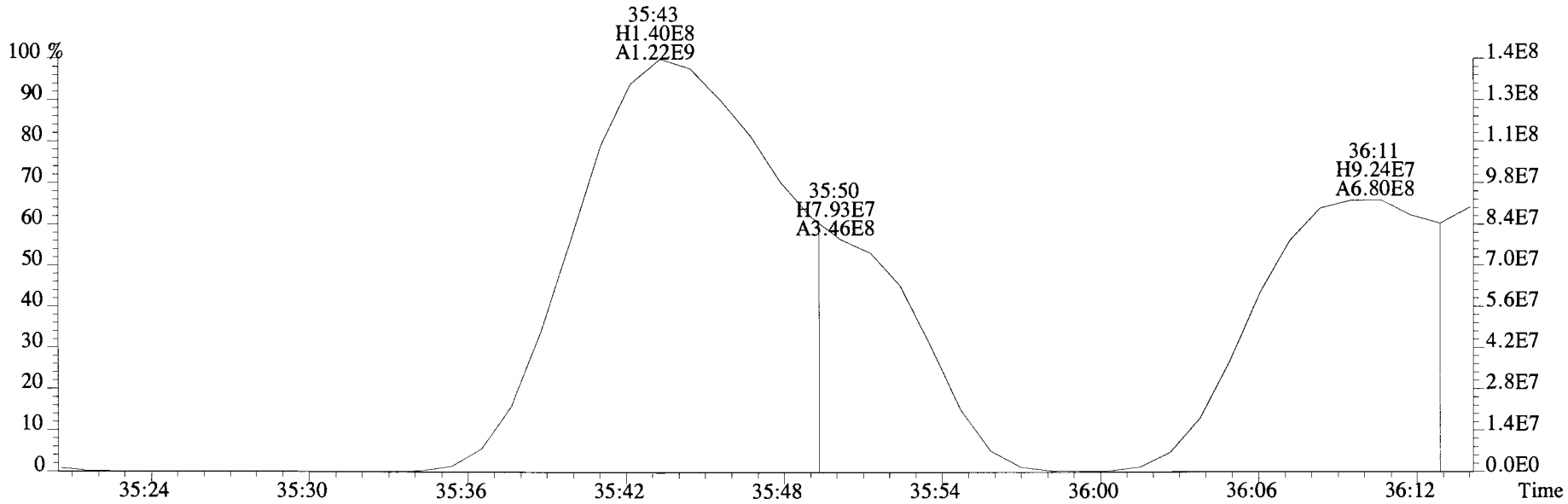

339.9177 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7576.0,0.00%,F,F)



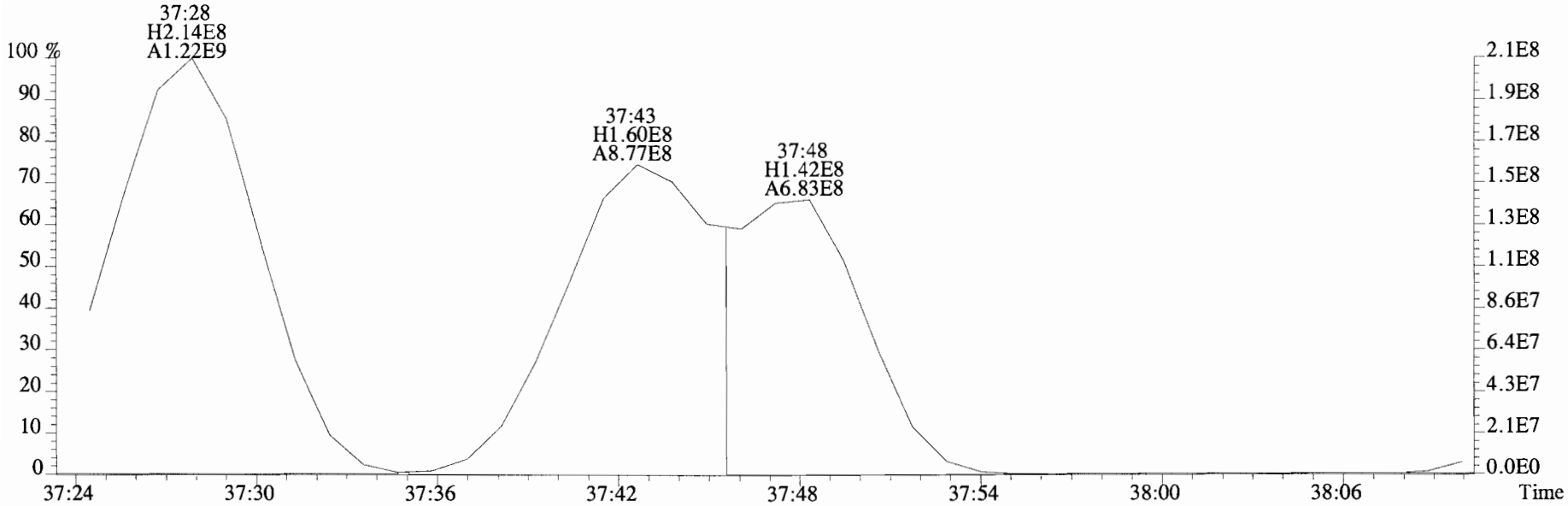
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12936.0,0.00%,F,F)



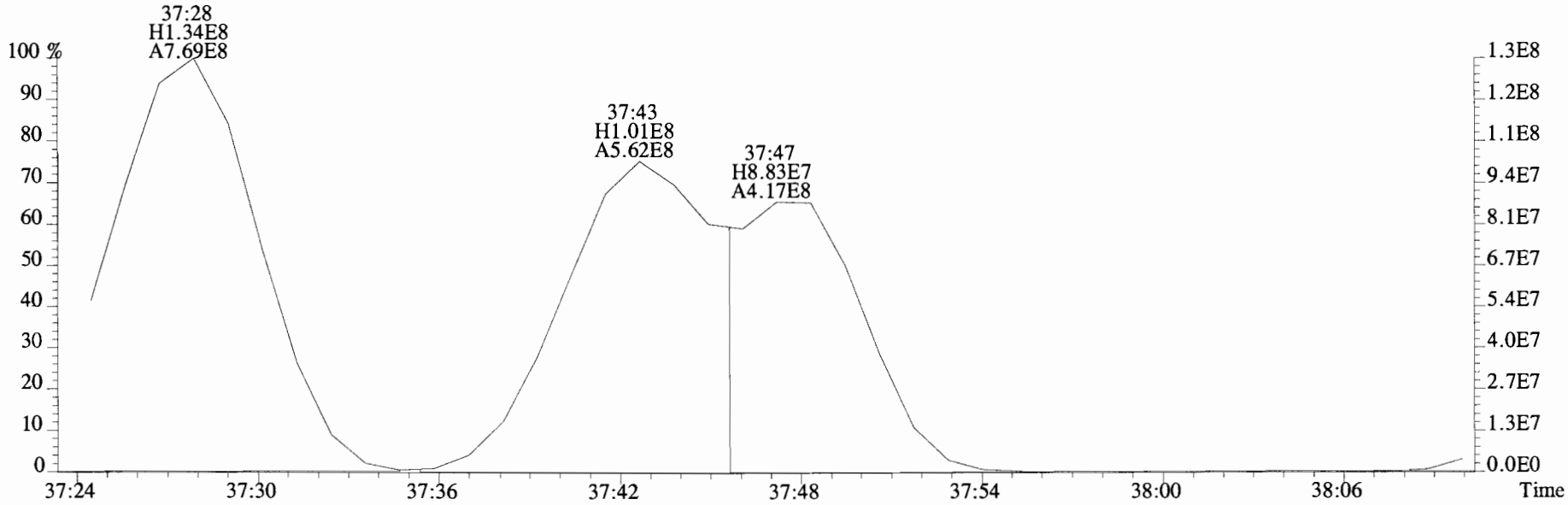

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6380.0,0.00%,F,F)



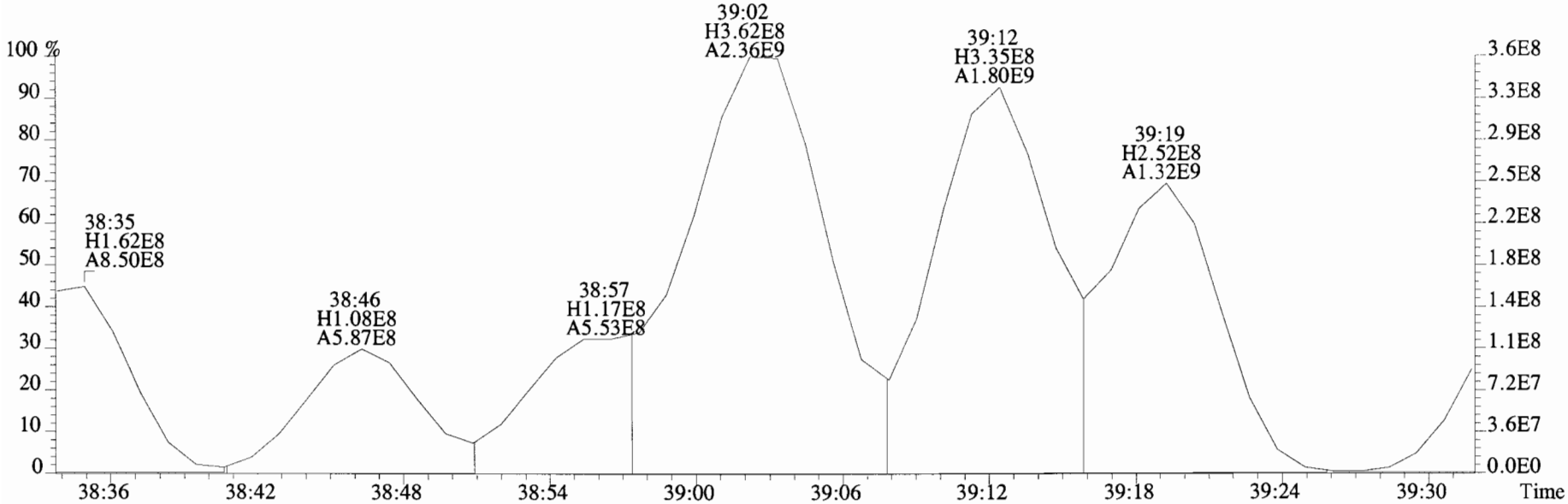
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12936.0,0.00%,F,F)



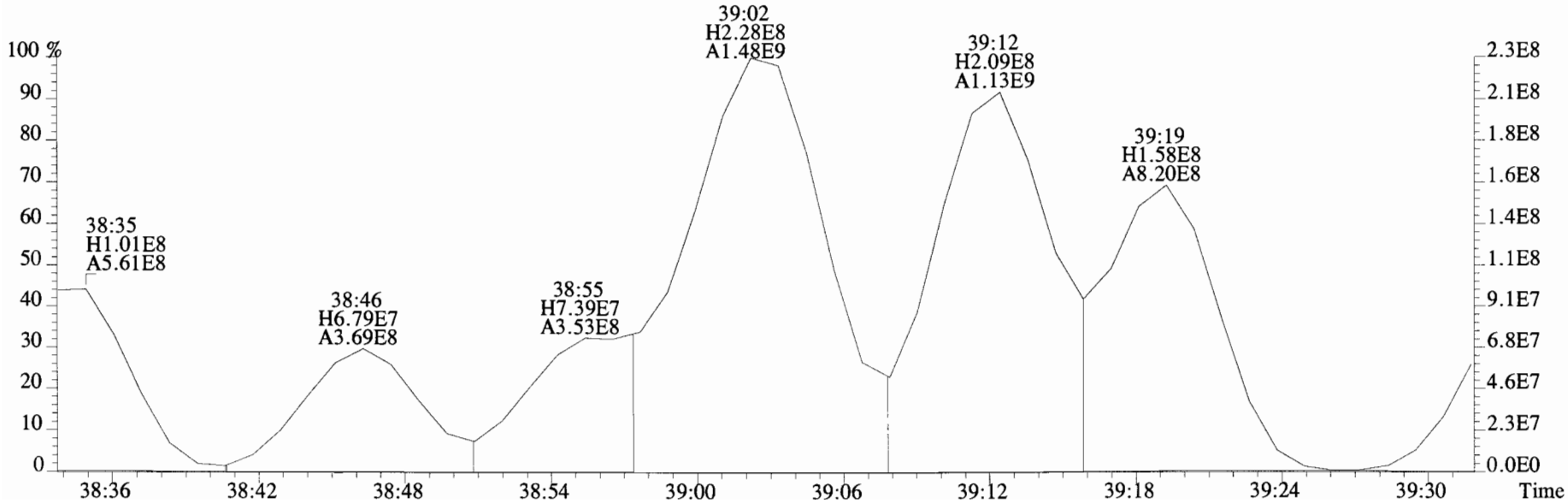

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6380.0,0.00%,F,F)



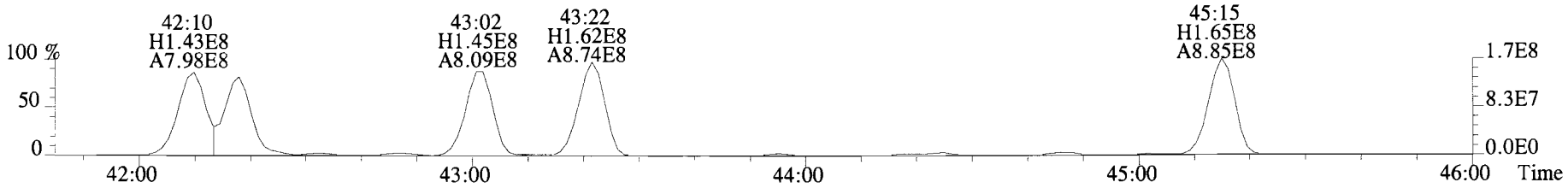
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
325.8804 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12936.0,0.00%,F,F)



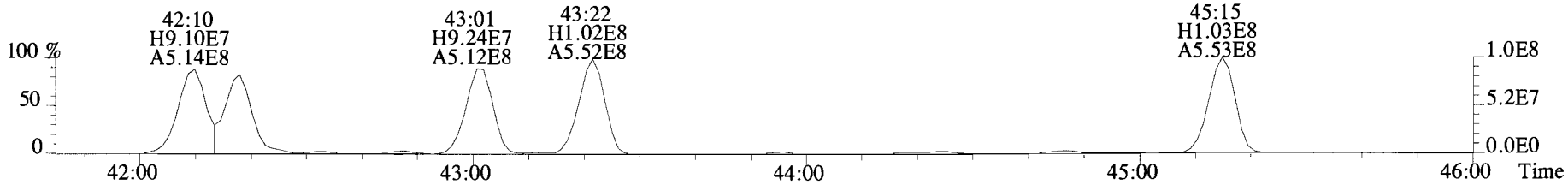

327.8775 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6380.0,0.00%,F,F)



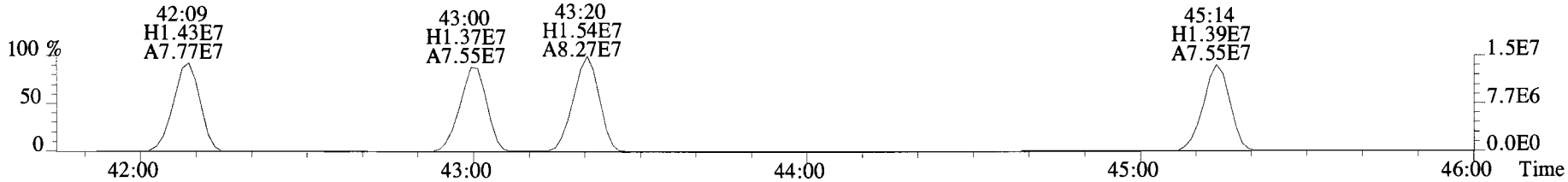
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
325.8804 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,146716.0,0.00%,F,F)



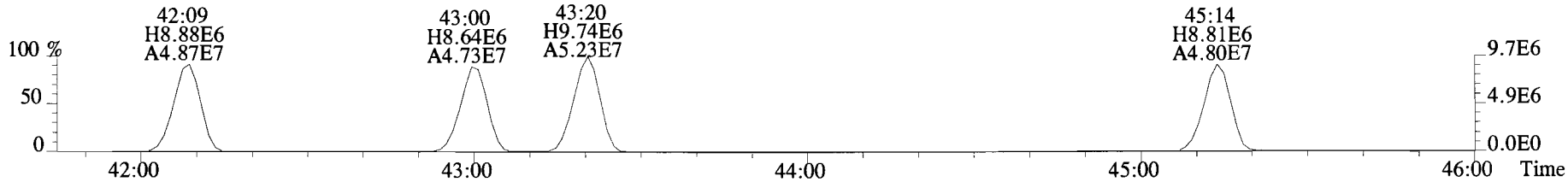

327.8775 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,99216.0,0.00%,F,F)



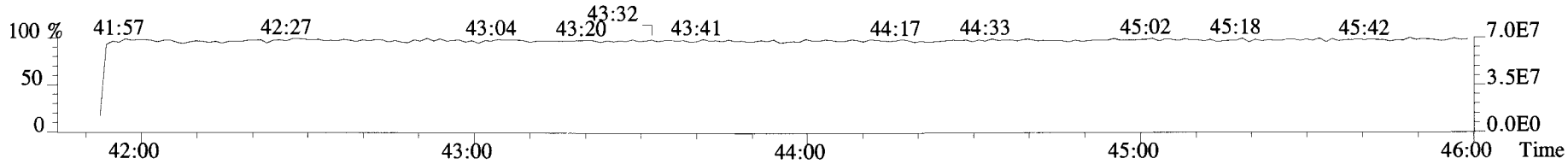

337.9207 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10968.0,0.00%,F,F)



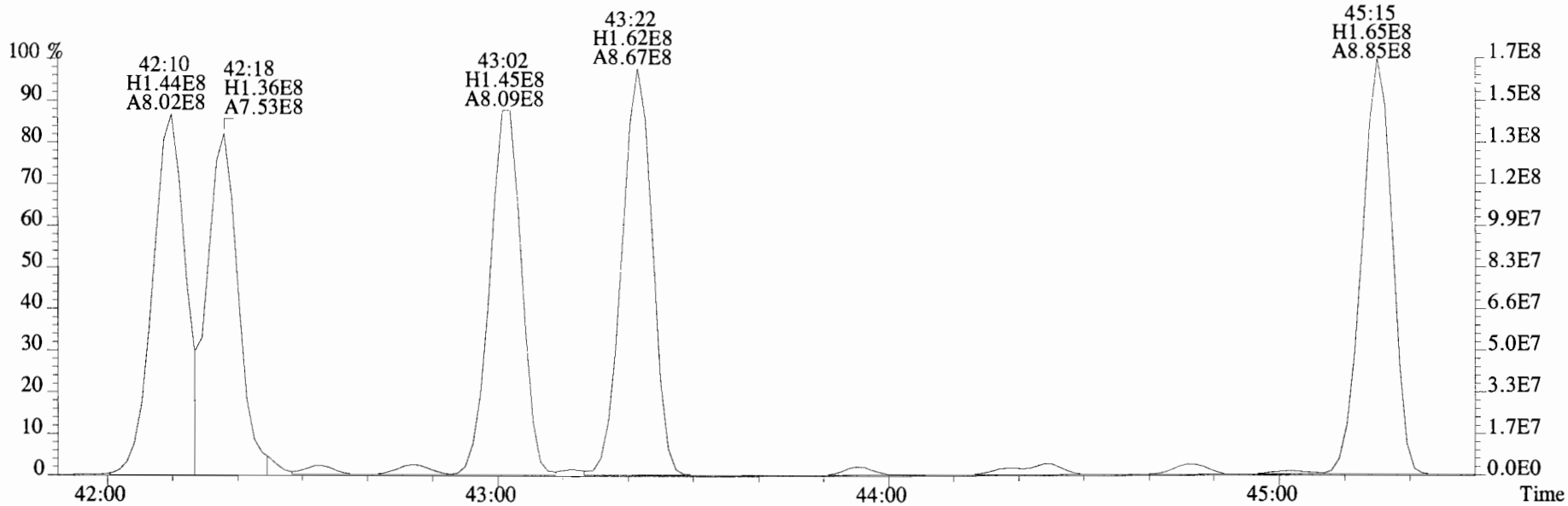

339.9177 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8764.0,0.00%,F,F)



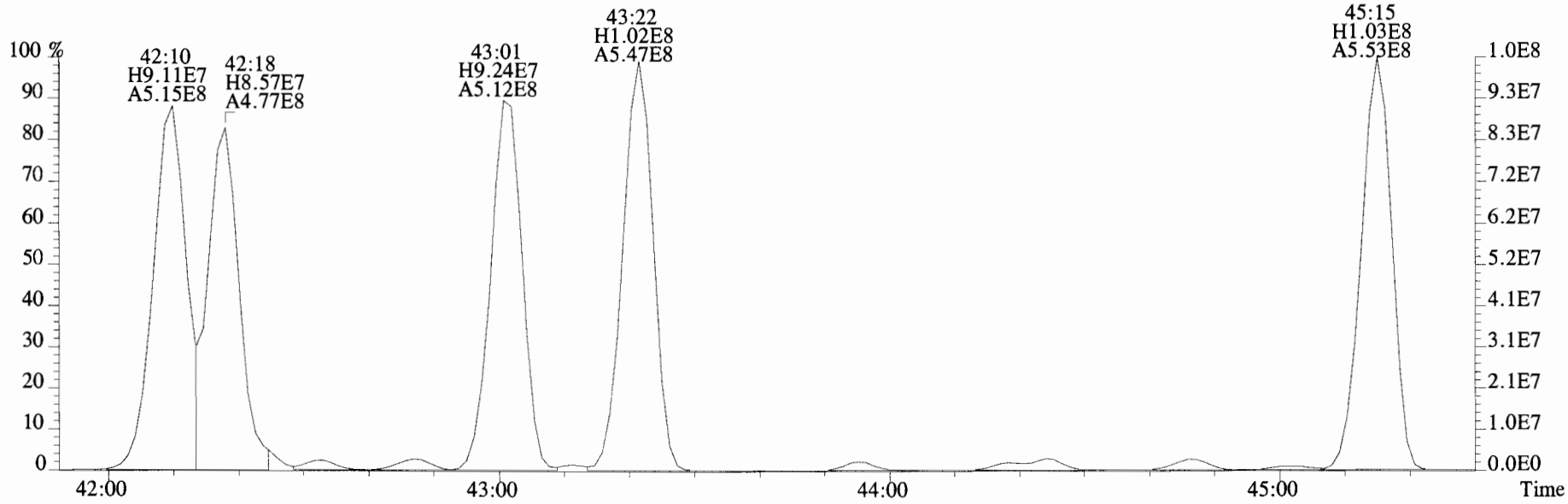

380.9760 S:6 F:4



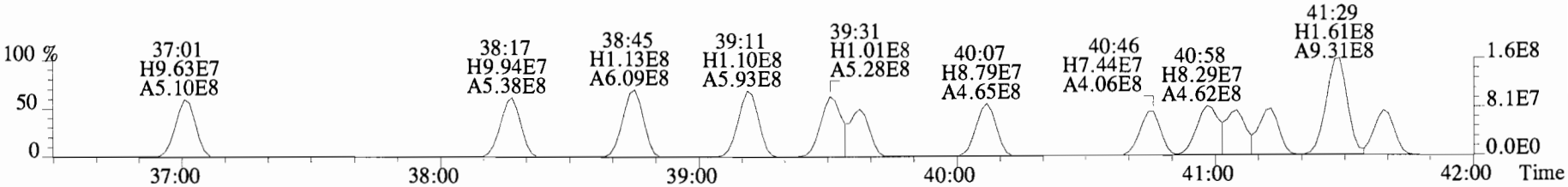
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
325.8804 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,146716.0,0.00%,F,F)



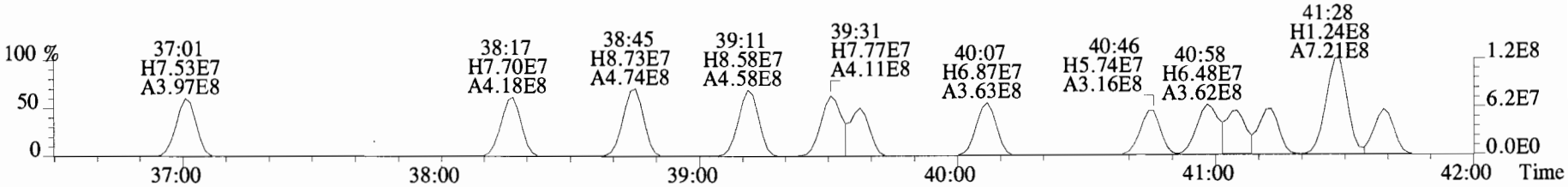

327.8775 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,99216.0,0.00%,F,F)



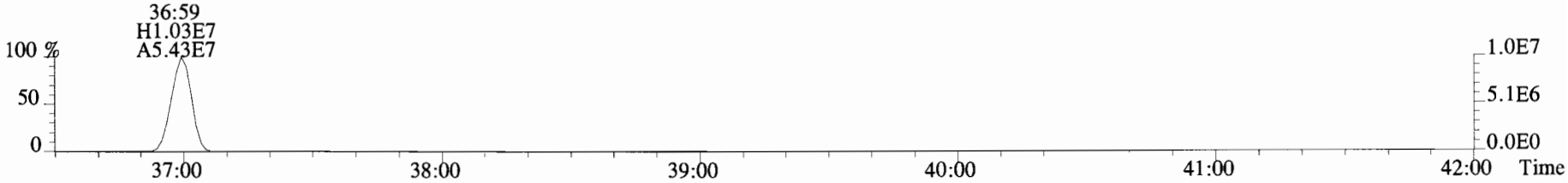
File:180208E1 #1-756 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
359.8415 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6276.0,0.00%,F,F)



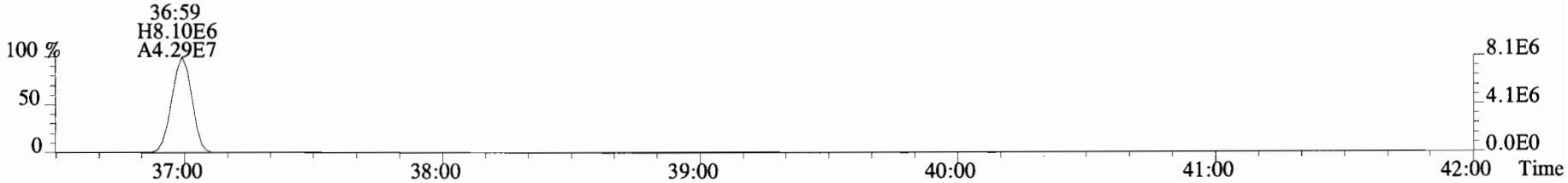

361.8385 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6140.0,0.00%,F,F)



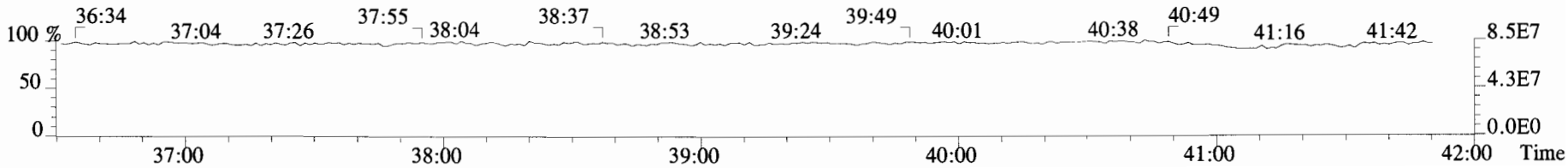

371.8817 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5844.0,0.00%,F,F)



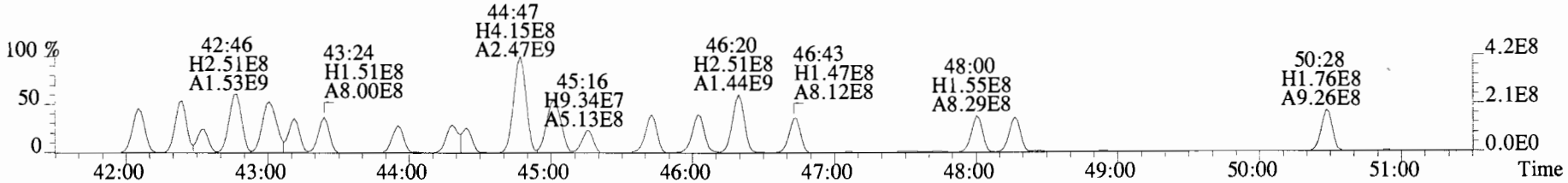

373.8788 S:6 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6888.0,0.00%,F,F)



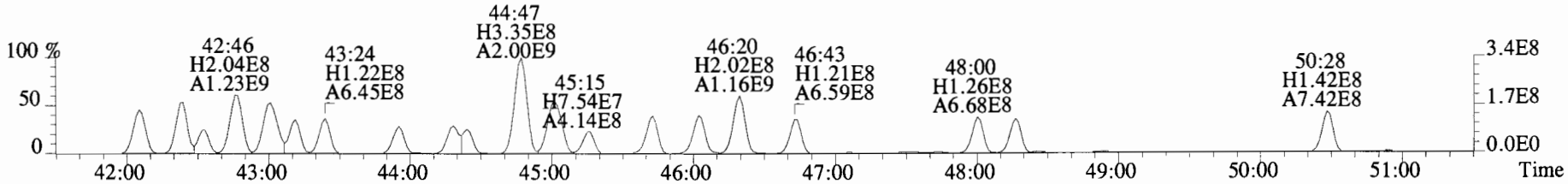

330.9792 S:6 F:3



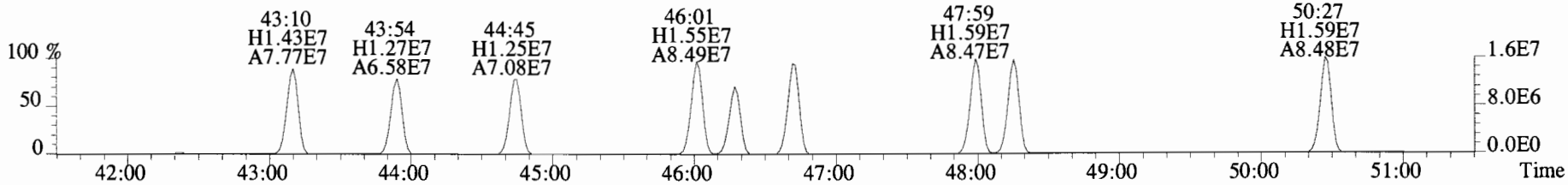
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
359.8415 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,916648.0,0.00%,F,F)



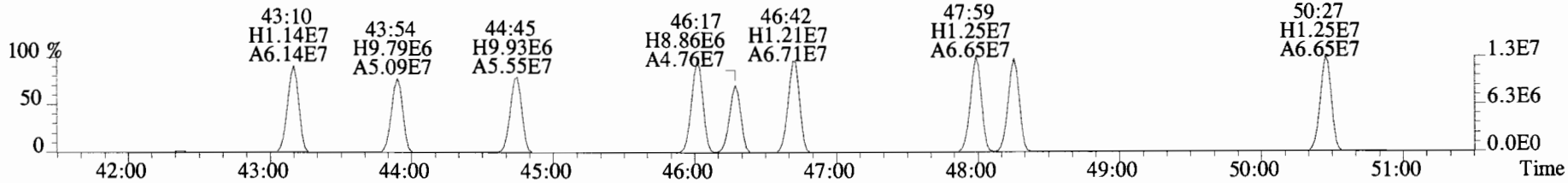

361.8385 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,734040.0,0.00%,F,F)



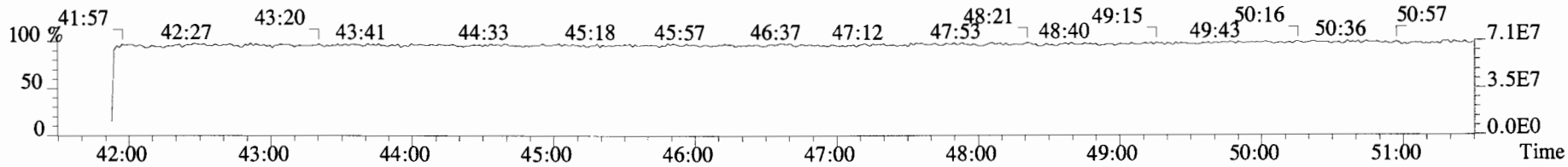

371.8817 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21288.0,0.00%,F,F)



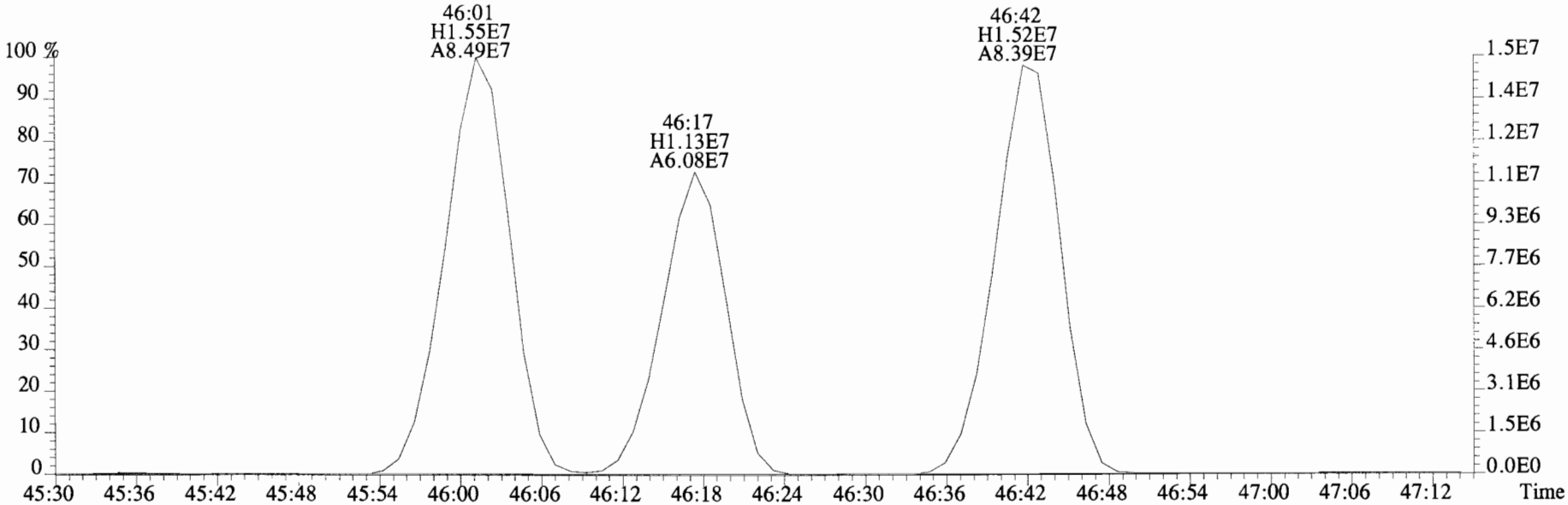

373.8788 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18380.0,0.00%,F,F)



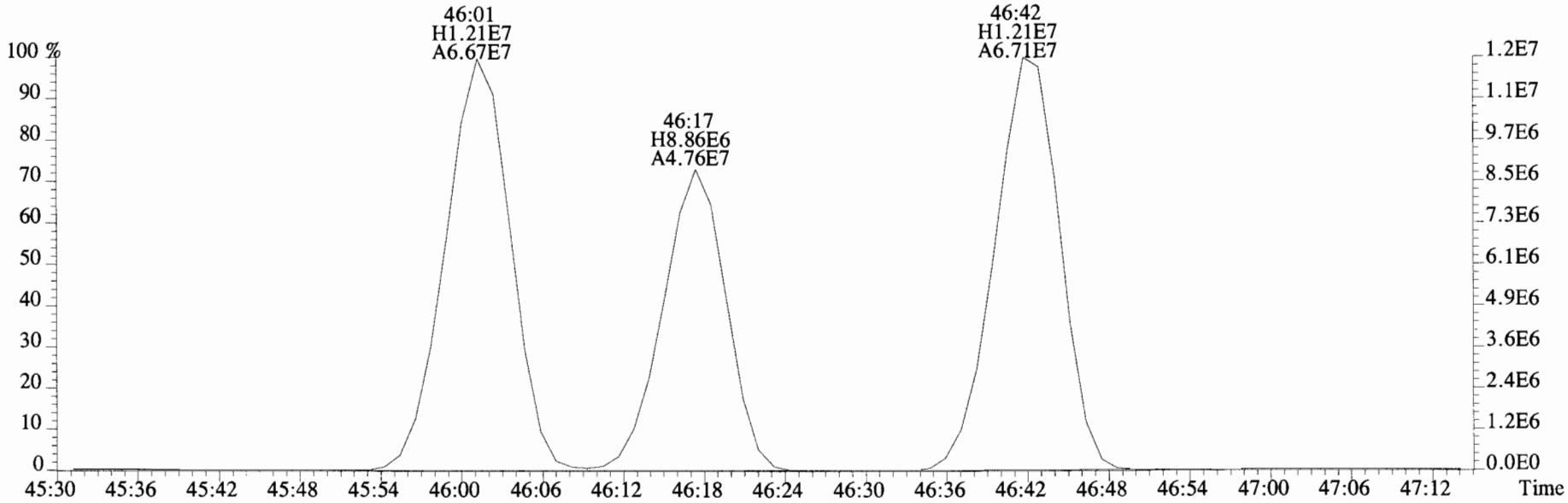

380.9760 S:6 F:4



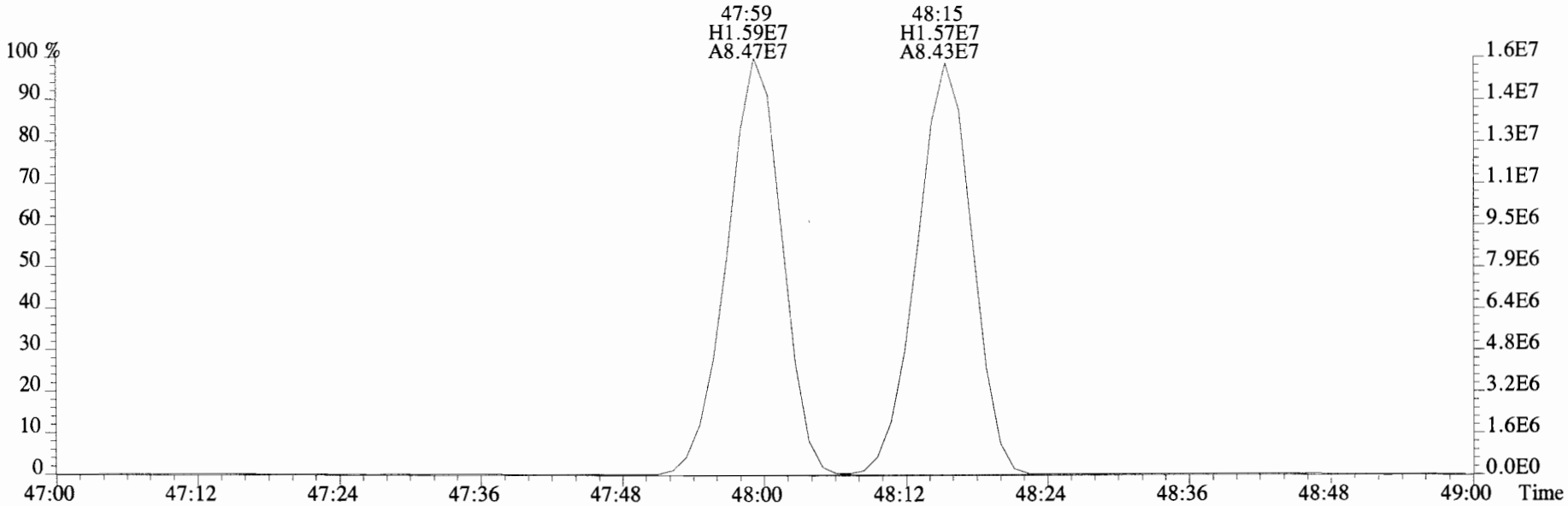
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
371.8817 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21288.0,0.00%,F,F)



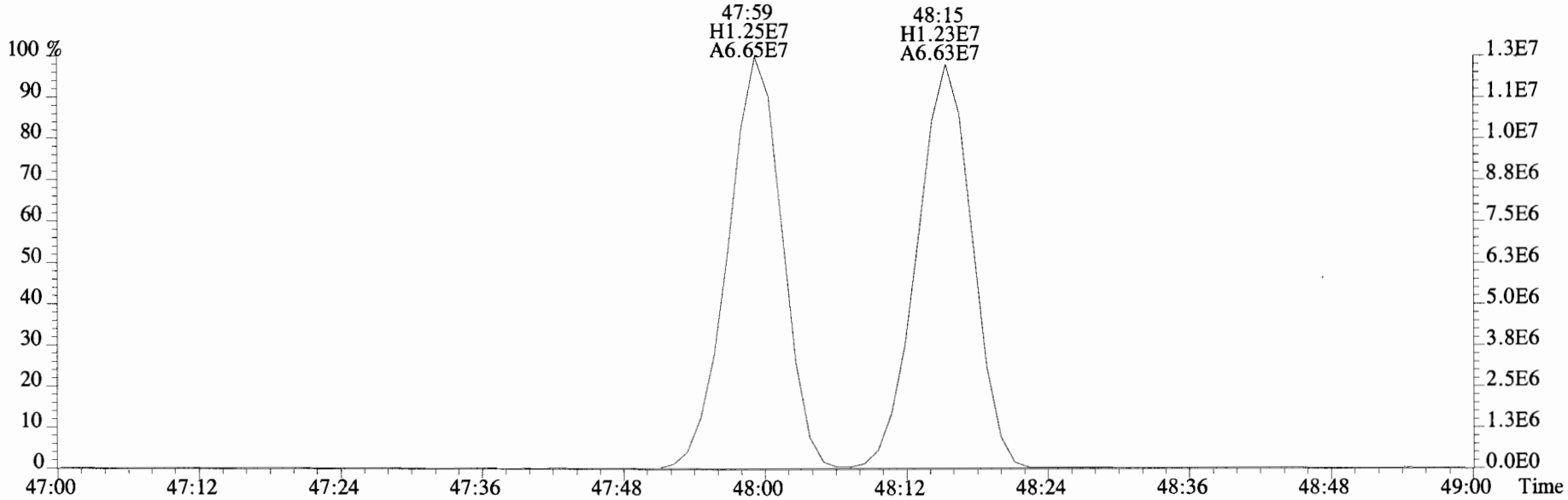

373.8788 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18380.0,0.00%,F,F)



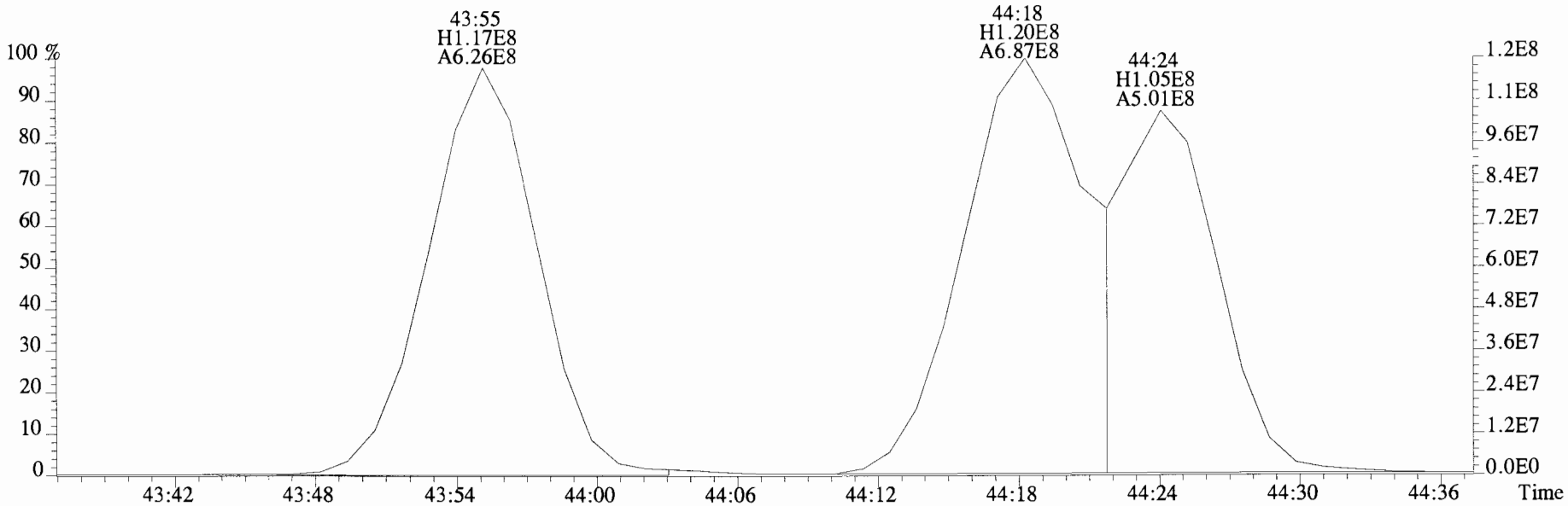
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
371.8817 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,21288.0,0.00%,F,F)



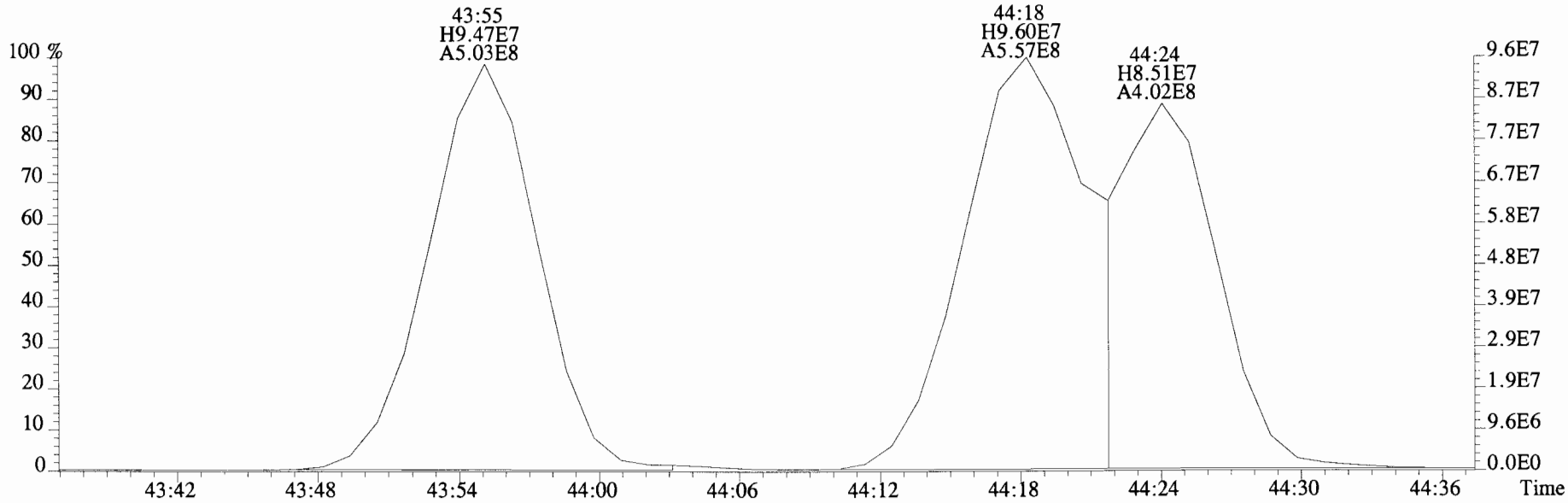

373.8788 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,18380.0,0.00%,F,F)



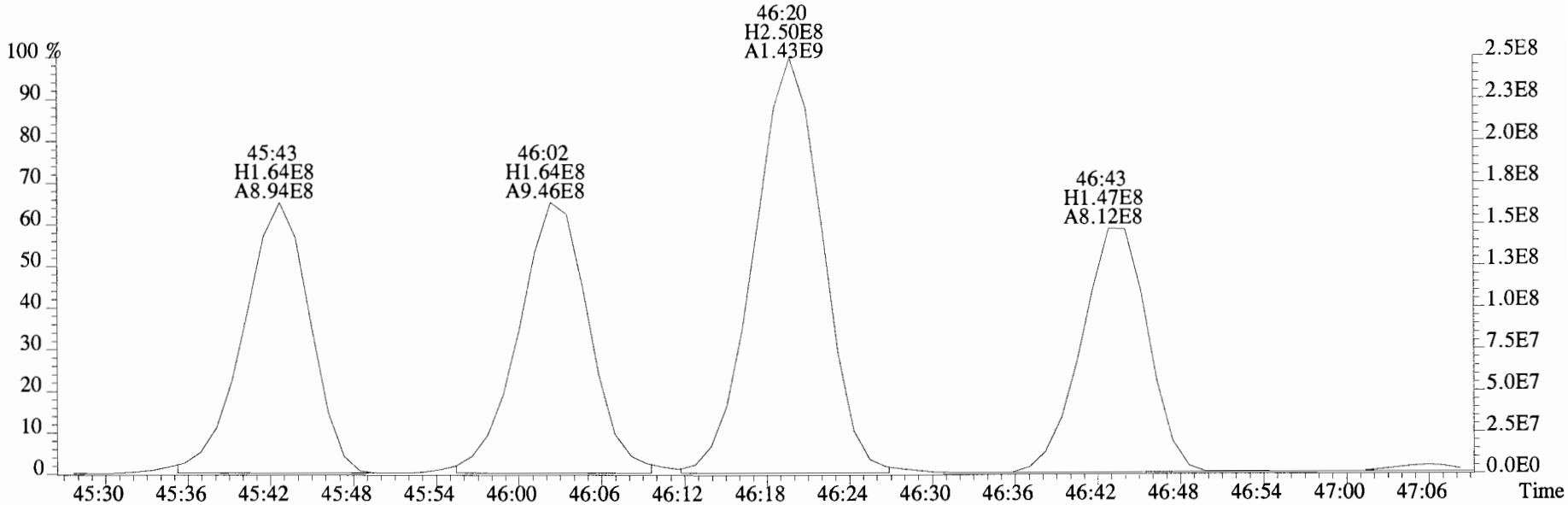
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
359.8415 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,916648.0,0.00%,F,F)



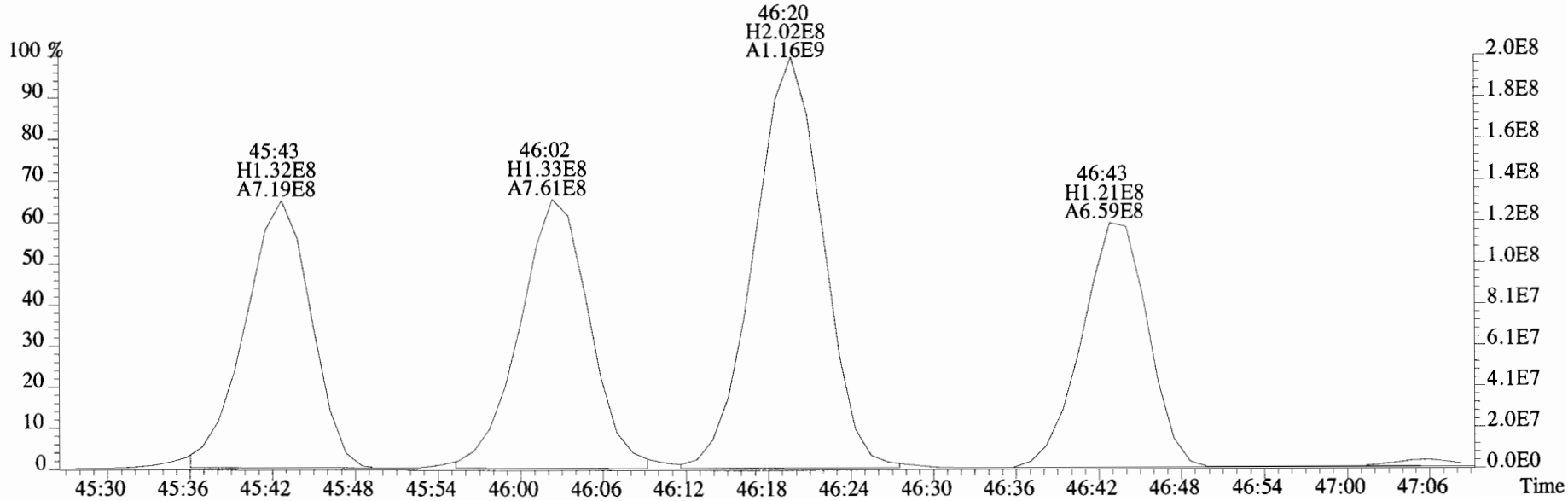

361.8385 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,734040.0,0.00%,F,F)



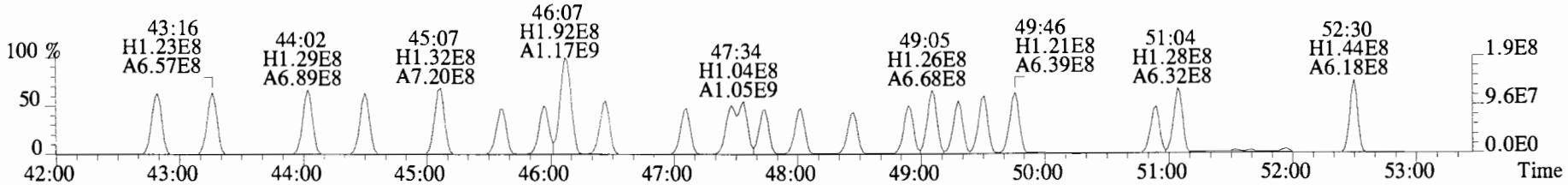
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
359.8415 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,916648.0,0.00%,F,F)



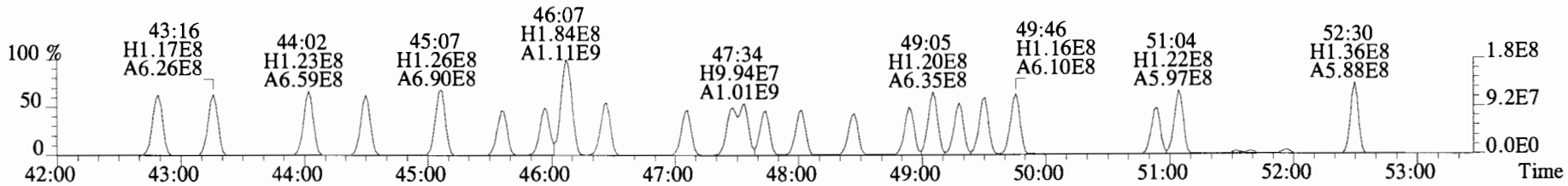

361.8385 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,734040.0,0.00%,F,F)



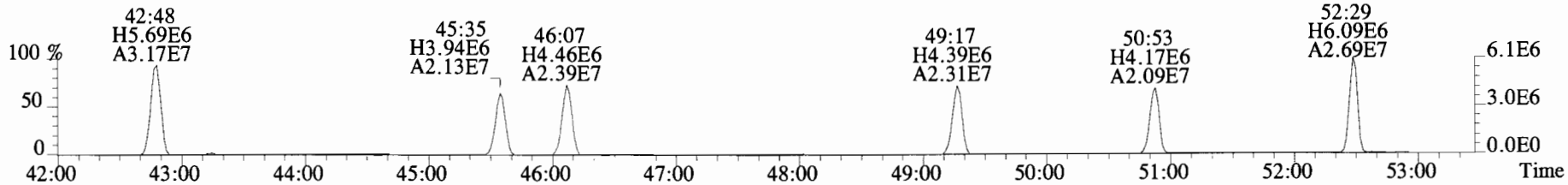
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
393.8025 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,611220.0,0.00%,F,F)



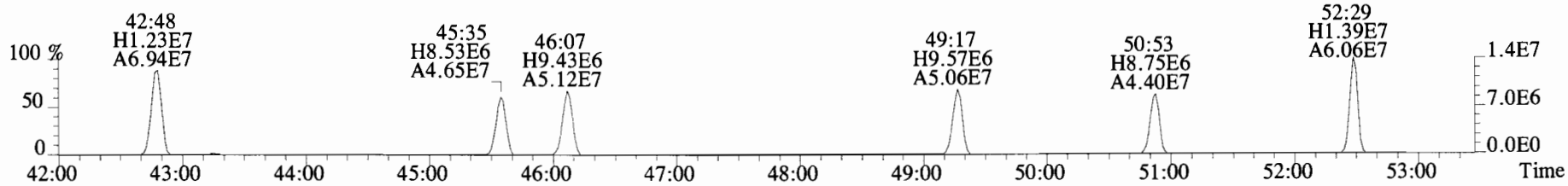

395.7995 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,556732.0,0.00%,F,F)



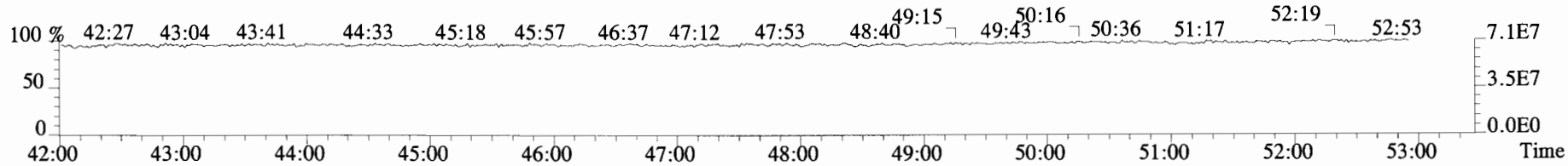

403.8457 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8436.0,0.00%,F,F)



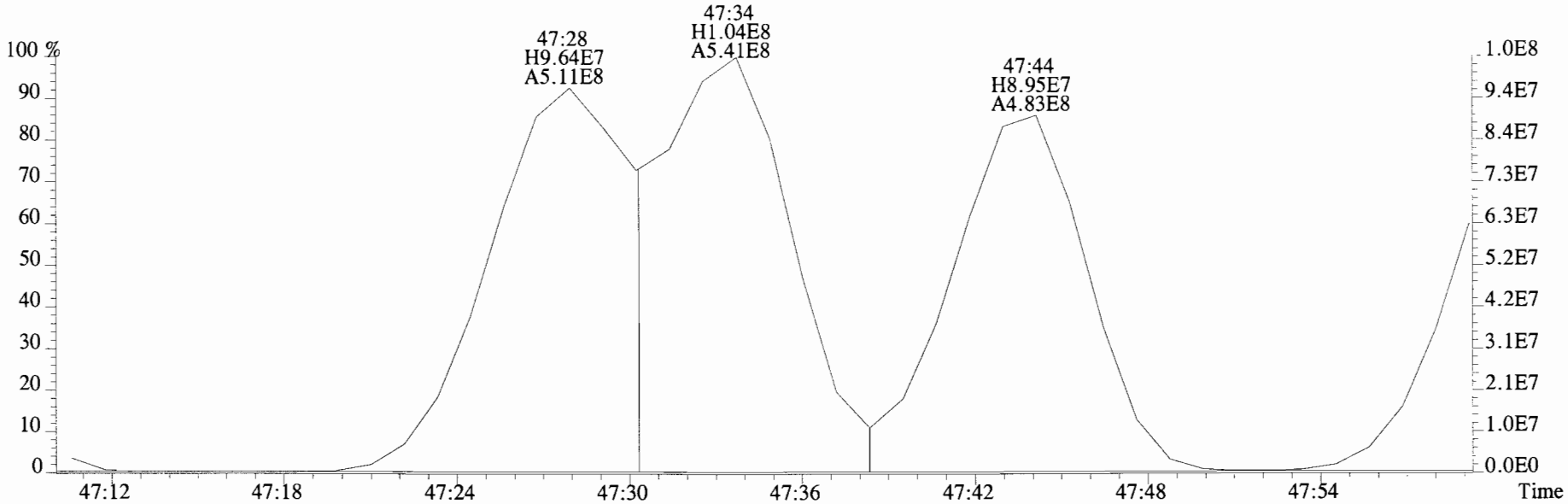

405.8428 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15240.0,0.00%,F,F)



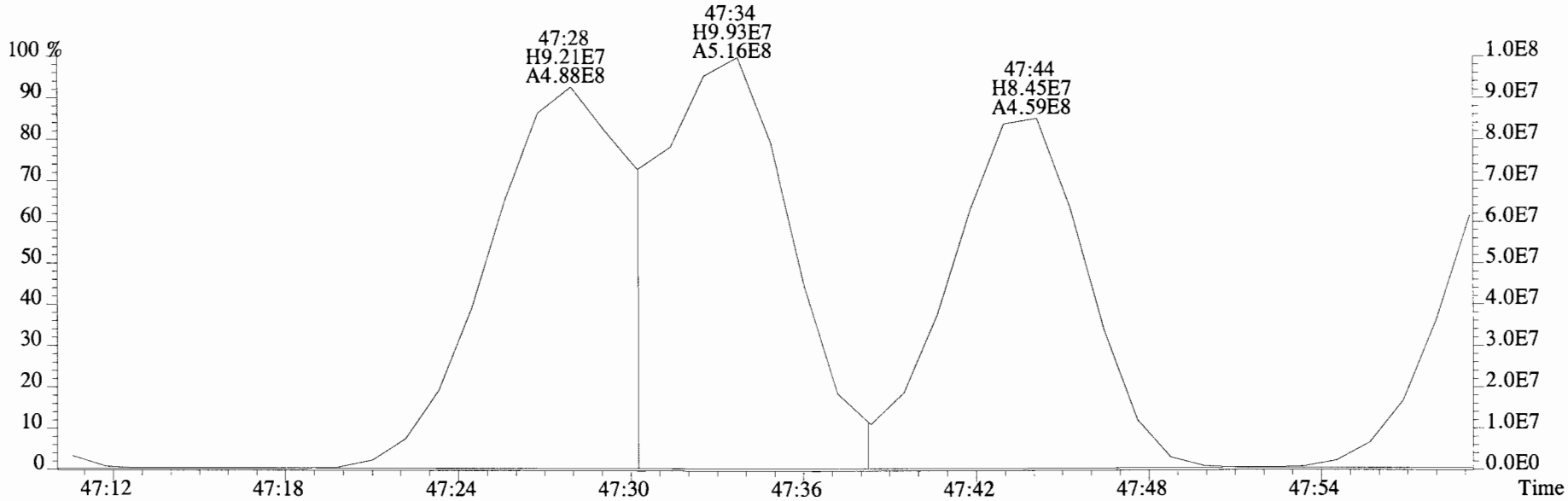

380.9760 S:6 F:4



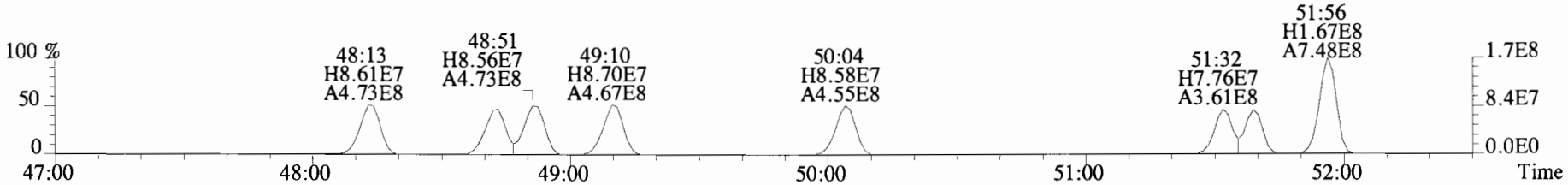
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
393.8025 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,611220.0,0.00%,F,F)



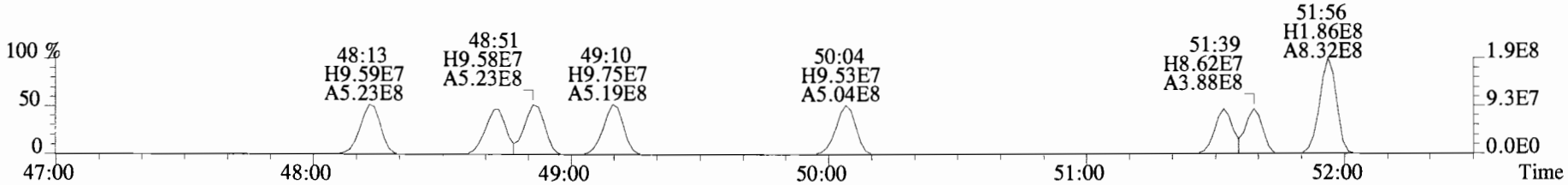

395.7995 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,556732.0,0.00%,F,F)



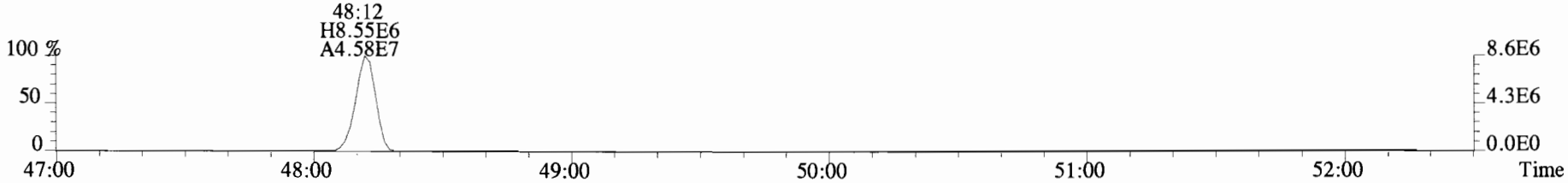
File:180208E1 #1-574 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
427.7635 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,93860.0,0.00%,F,F)



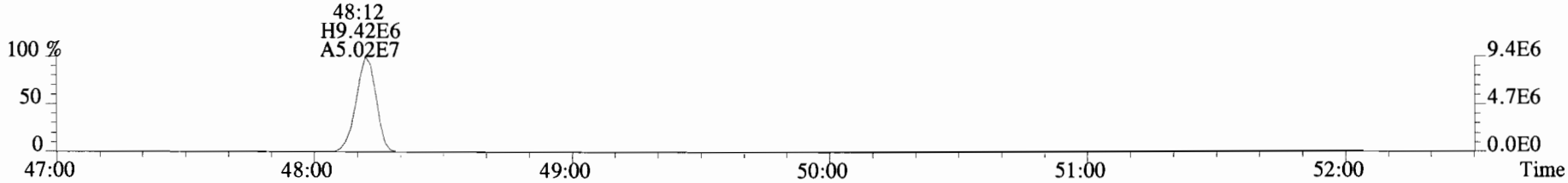

429.7606 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,105400.0,0.00%,F,F)



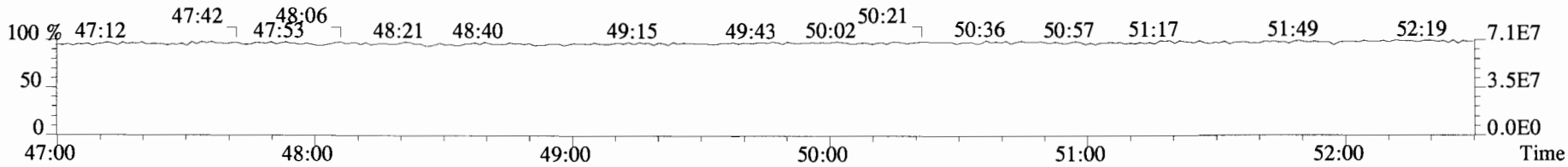

439.8038 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6432.0,0.00%,F,F)



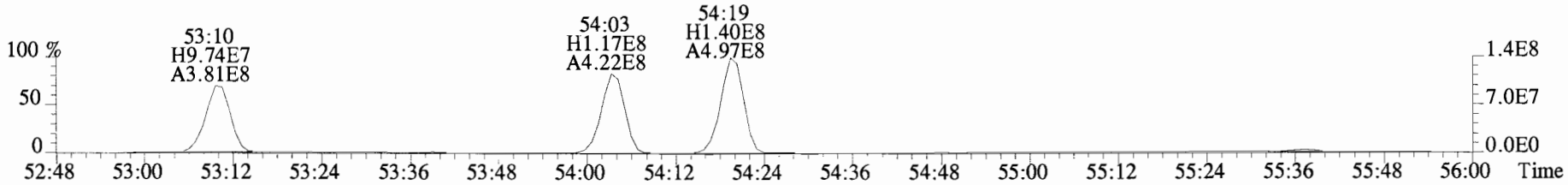

441.8008 S:6 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7424.0,0.00%,F,F)



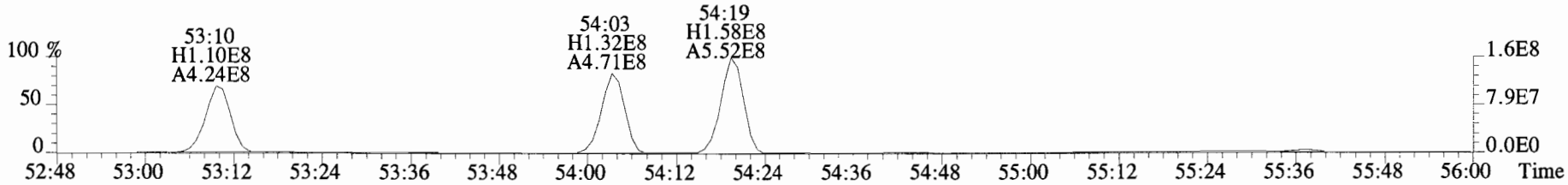

380.9760 S:6 F:4



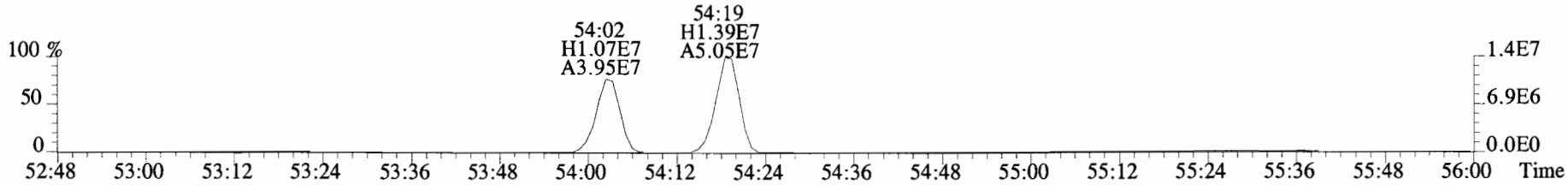
File:180208E1 #1-407 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
427.7635 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,461484.0,0.00%,F,F)



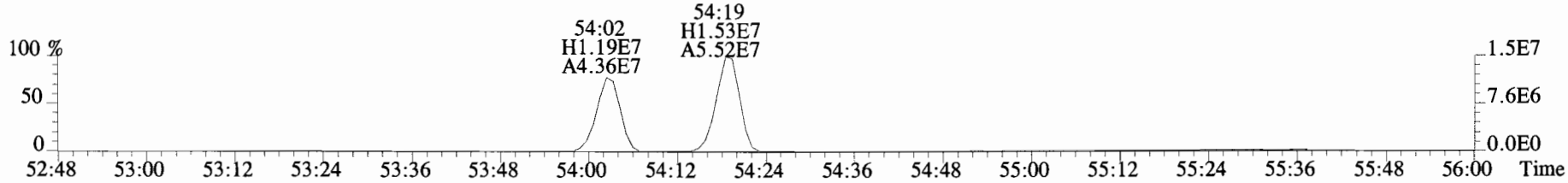

429.7606 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,681740.0,0.00%,F,F)



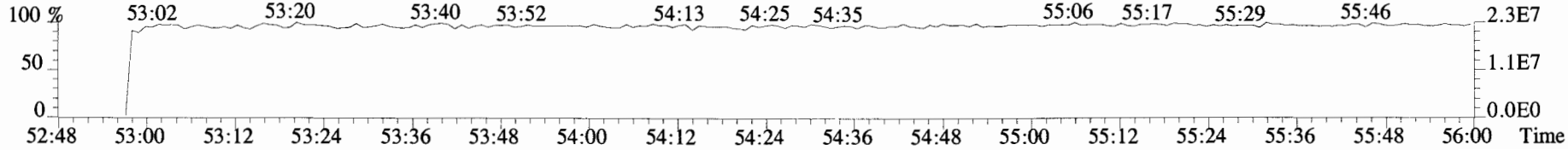

439.8038 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8628.0,0.00%,F,F)



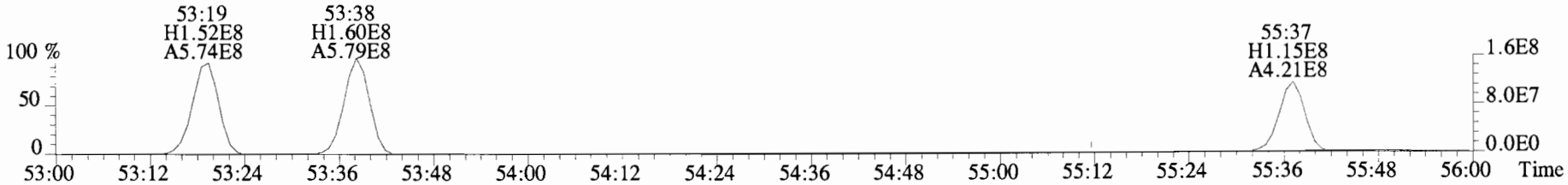

441.8008 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5572.0,0.00%,F,F)



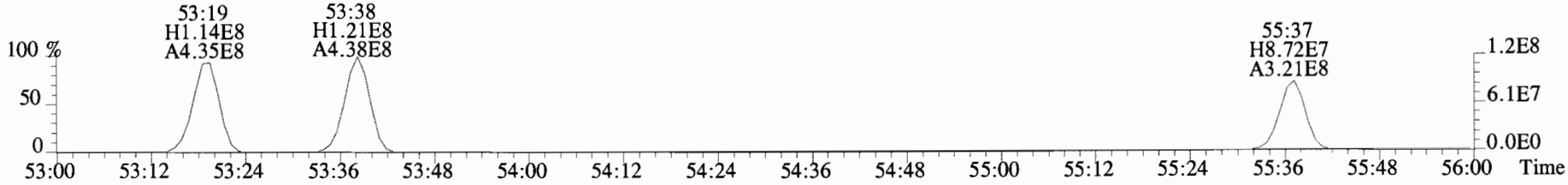

492.9697 S:6 F:5



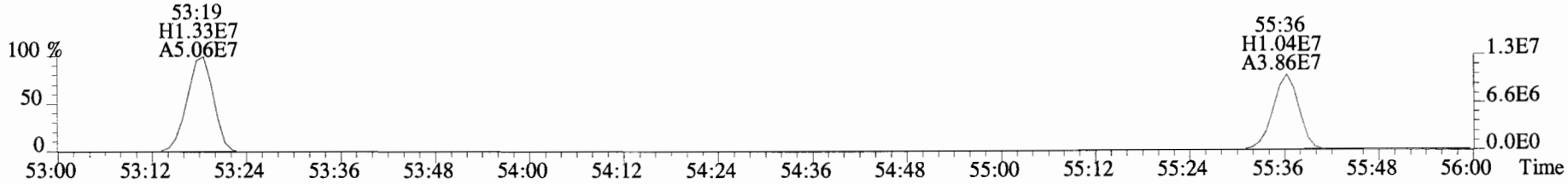
File:180208E1 #1-407 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
463.7216 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,416792.0,0.00%,F,F)



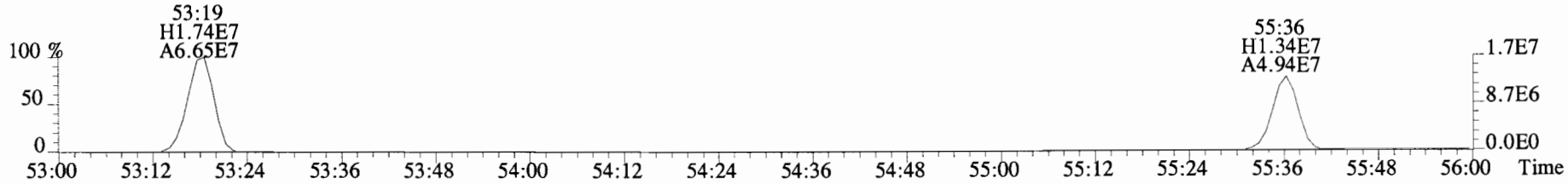

465.7186 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,312716.0,0.00%,F,F)



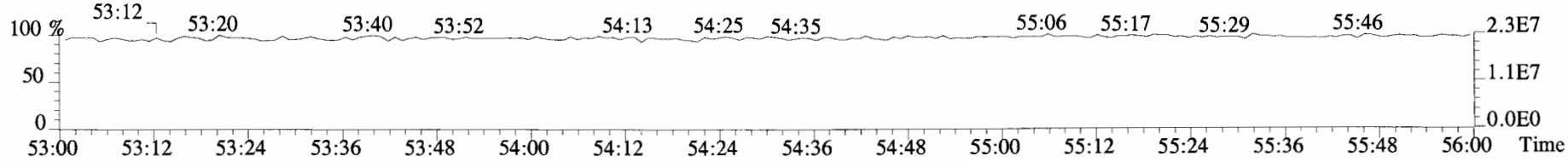

473.7648 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,28316.0,0.00%,F,F)



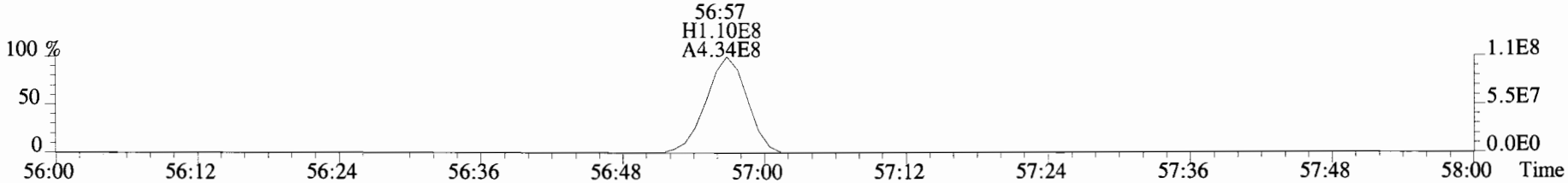

475.7619 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,36800.0,0.00%,F,F)



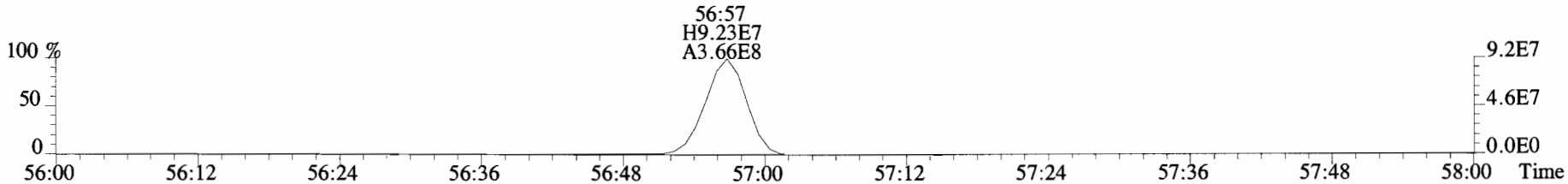

492.9697 S:6 F:5



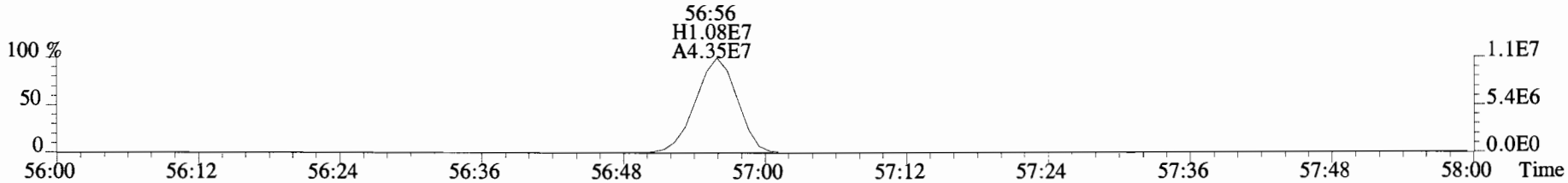
File:180208E1 #1-407 Acq: 8-FEB-2018 14:00:18 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG-8 Text:ST180208E1-6 PCB CS5 17L3008 Exp:PCB_ZB1
497.6826 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1780.0,0.00%,F,F)



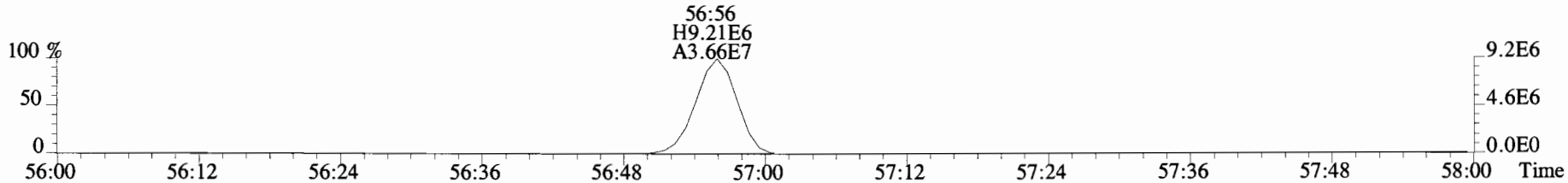

499.6797 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1904.0,0.00%,F,F)



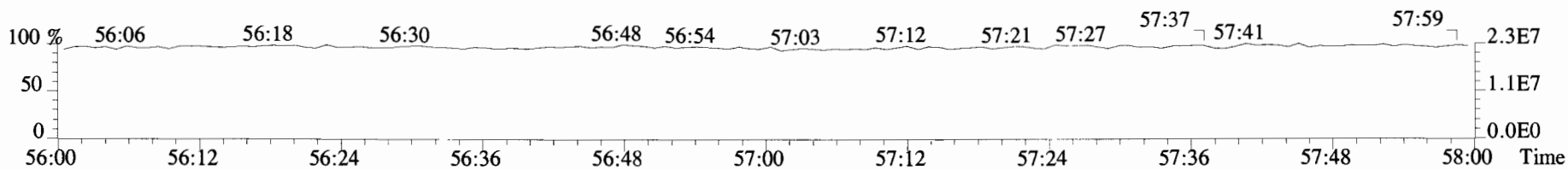

509.7229 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1800.0,0.00%,F,F)




511.7199 S:6 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2068.0,0.00%,F,F)

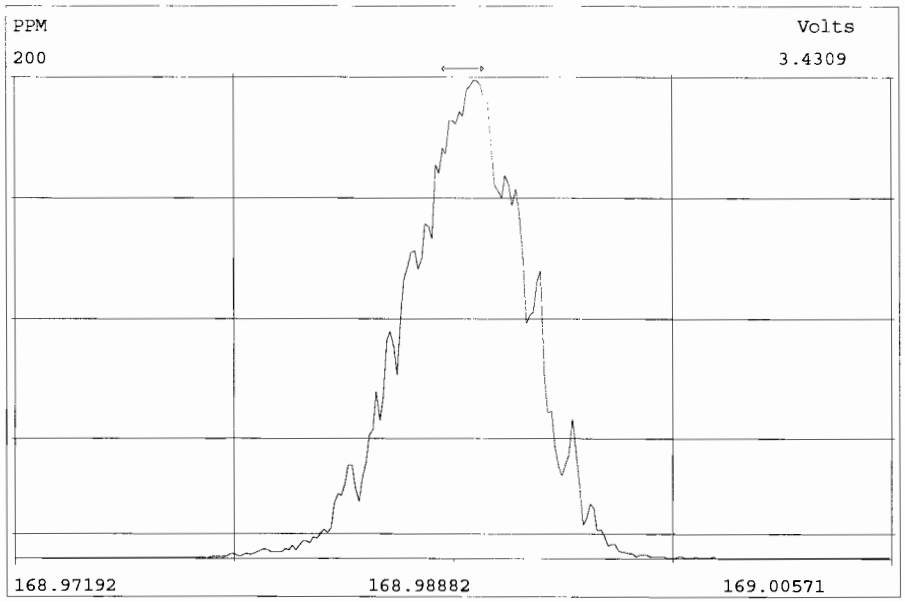


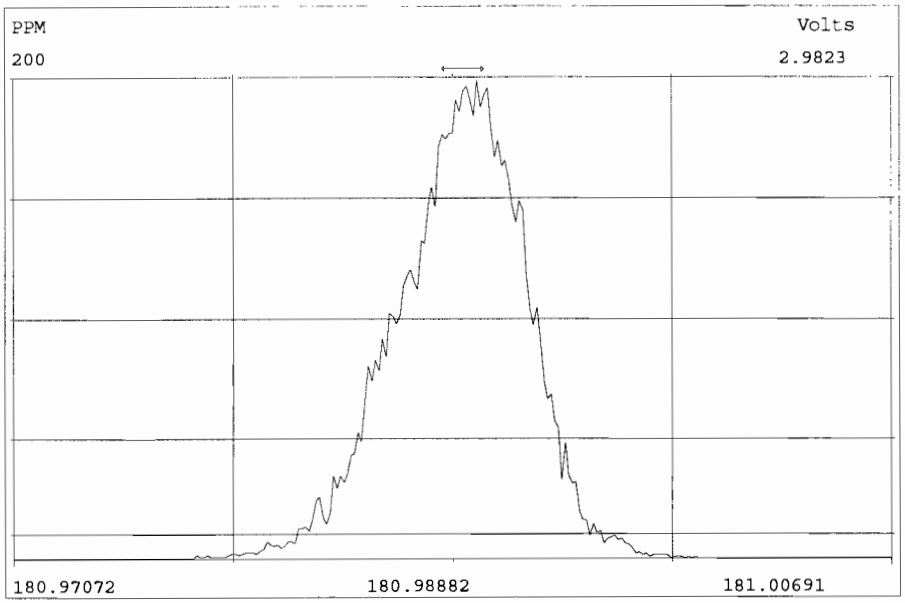

492.9697 S:6 F:5

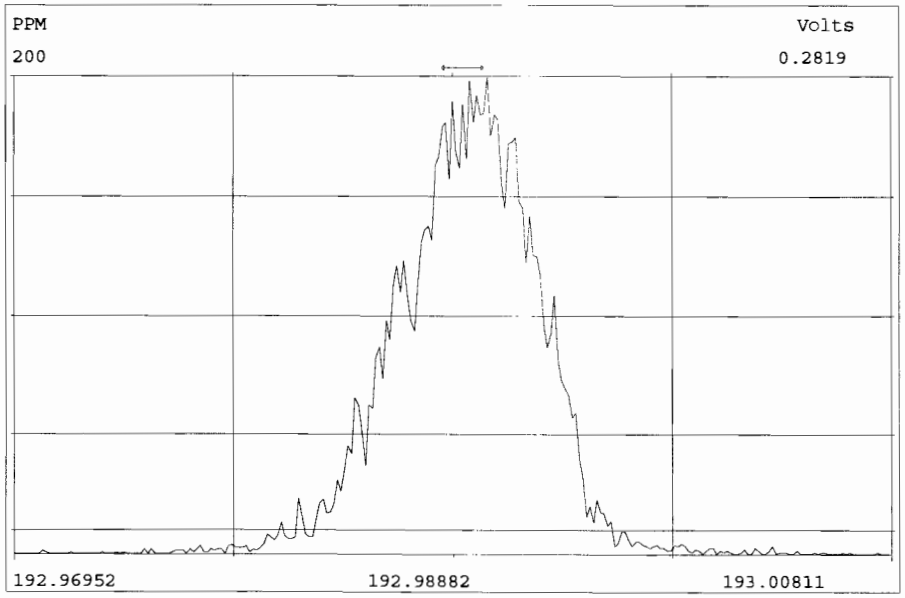


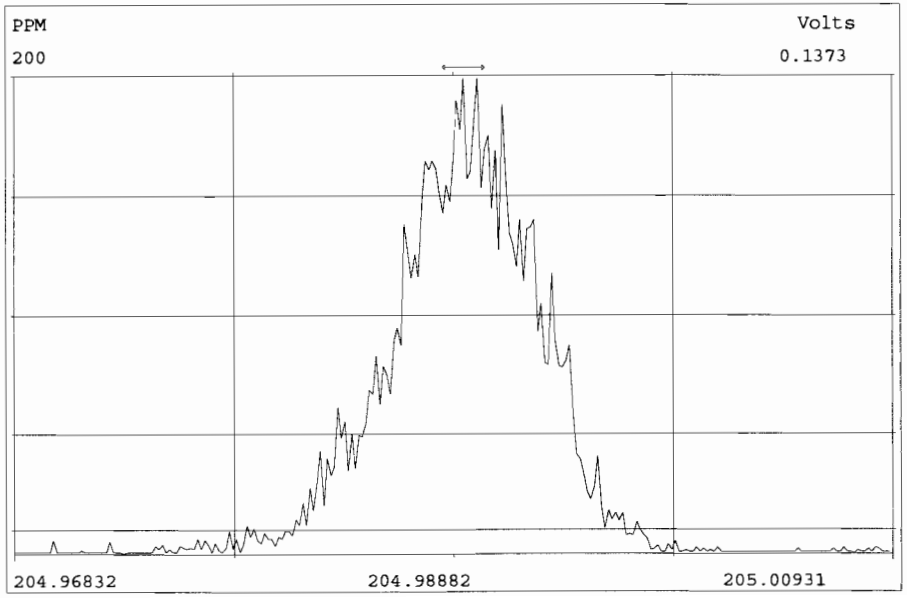
Peak Locate Examination: 8-FEB-2018:17:23 File:RES_CHECK

Experiment:PCB_ZB1 Function:1 Reference:PFK



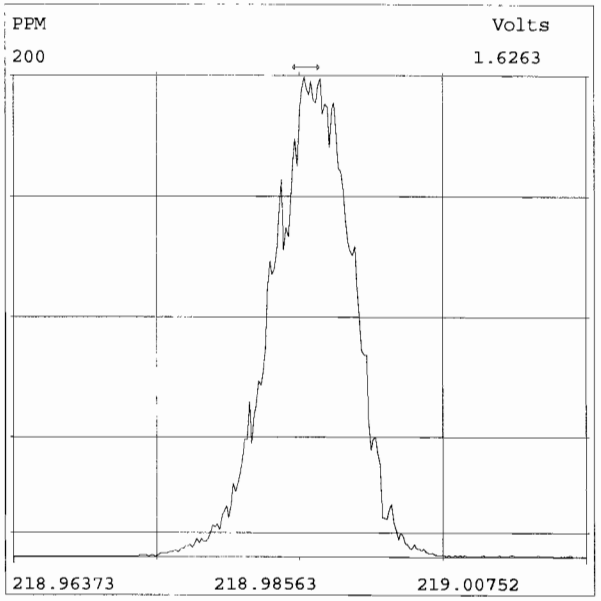



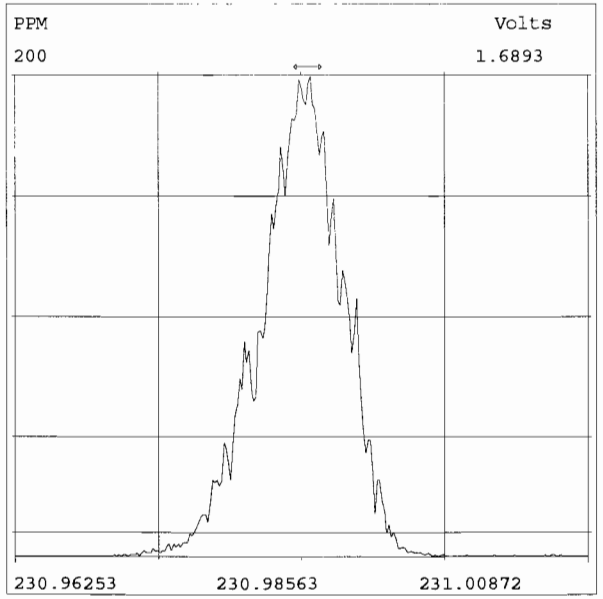



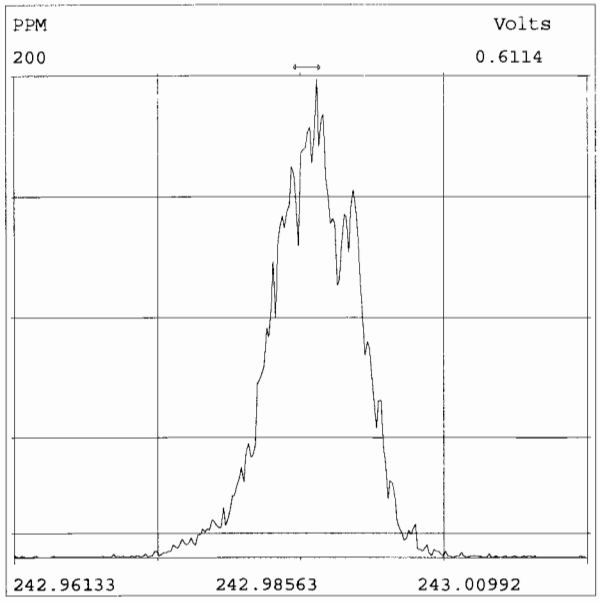



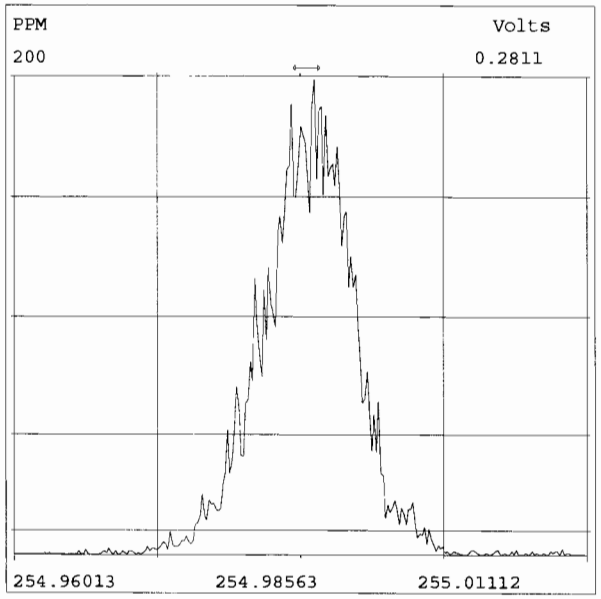
Peak Locate Examination: 8-FEB-2018:17:24 File:RES_CHECK

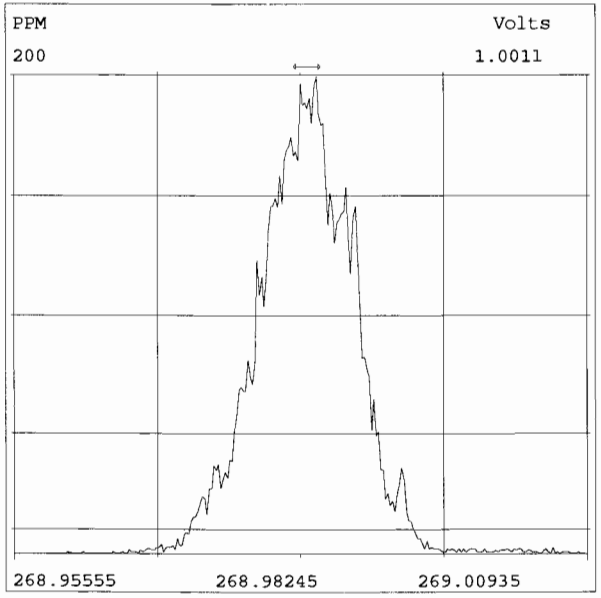
Experiment:PCB_ZB1 Function:2 Reference:PFK

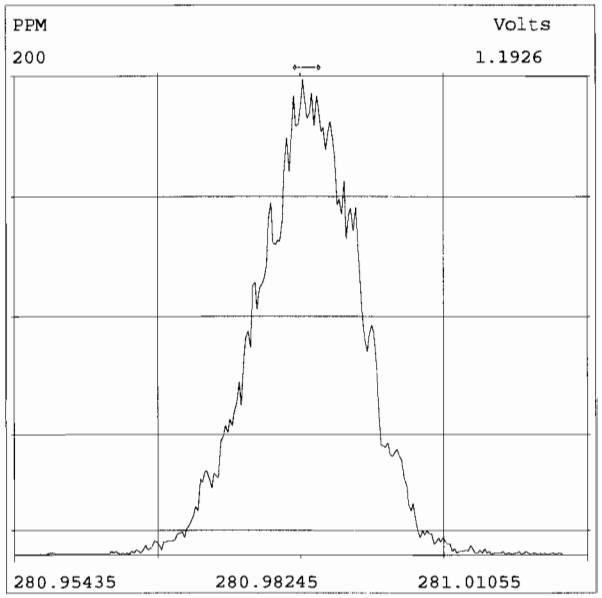


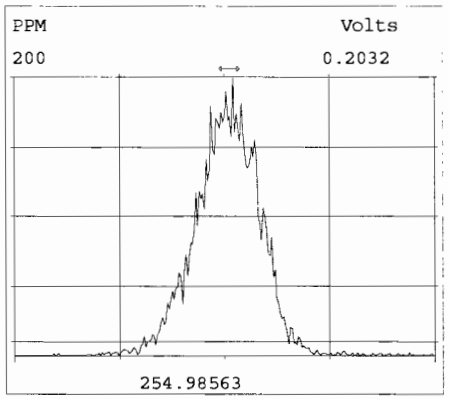



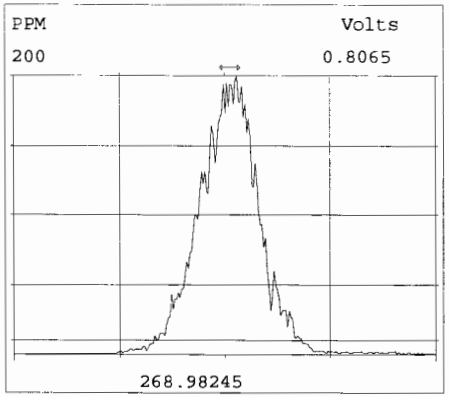



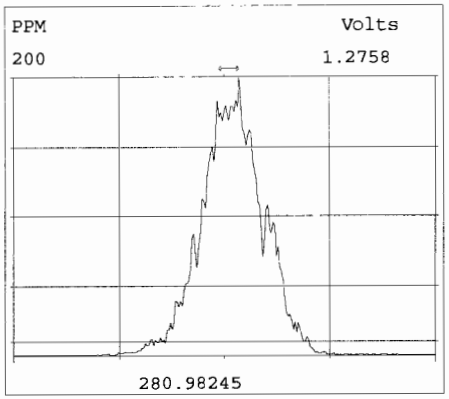



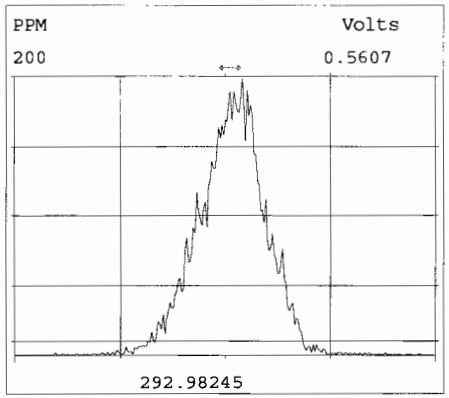
Peak Locate Examination: 8-FEB-2018:17:25 File:RES_CHECK

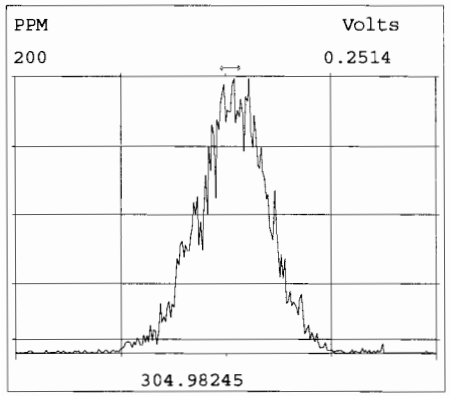
Experiment:PCB_ZB1 Function:3 Reference:PFK

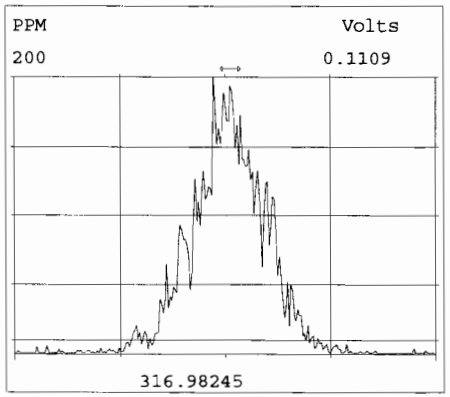


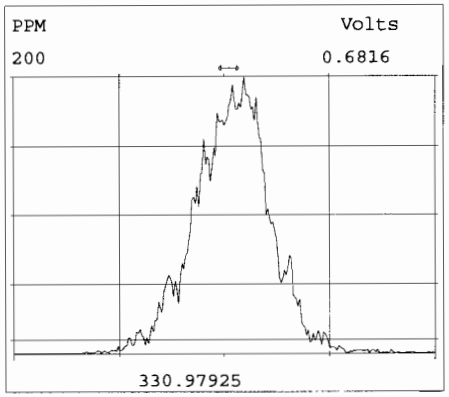



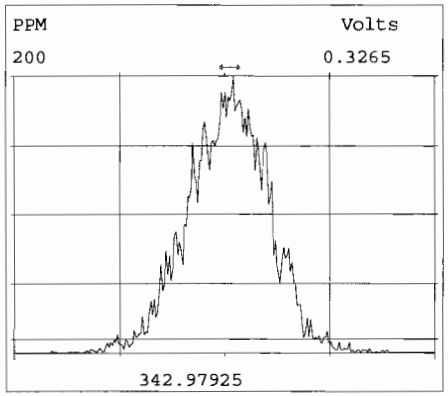



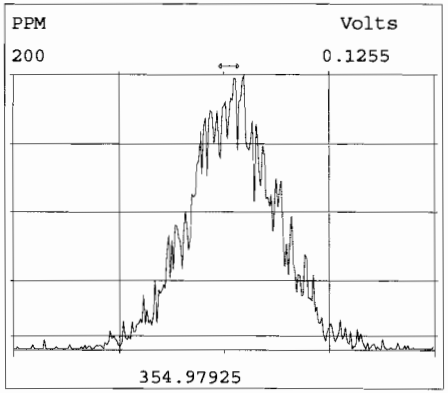



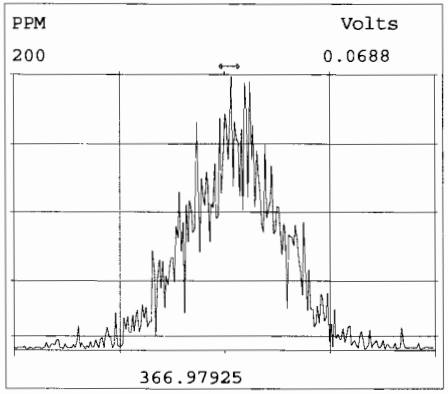



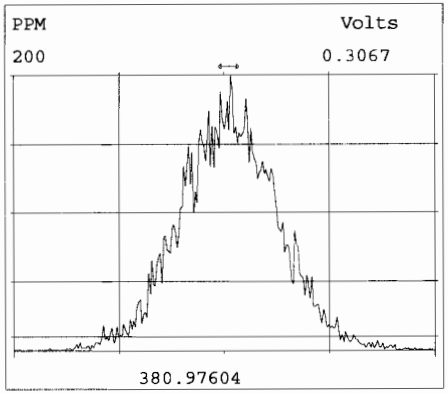



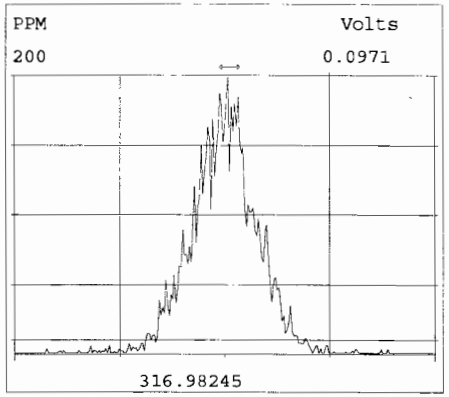



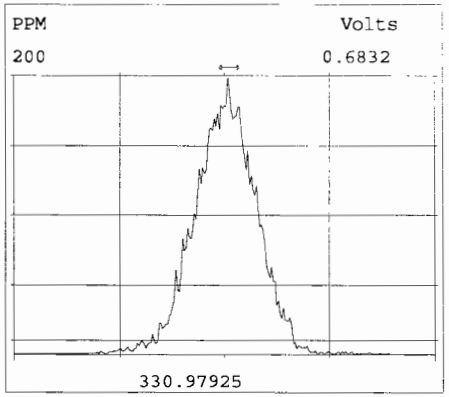



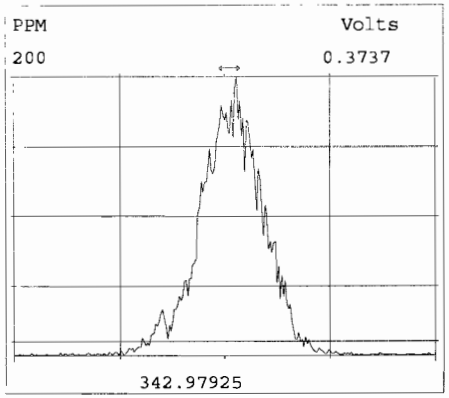



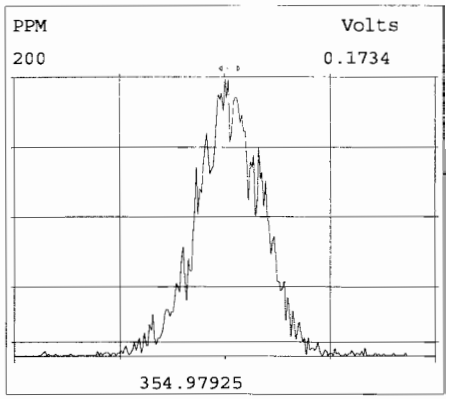
Peak Locate Examination: 8-FEB-2018:17:26 File:RES_CHECK

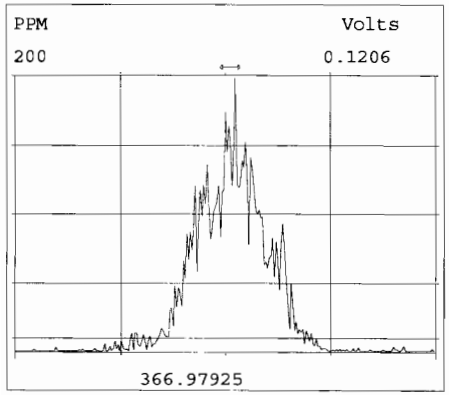
Experiment:PCB_ZB1 Function:4 Reference:PFK

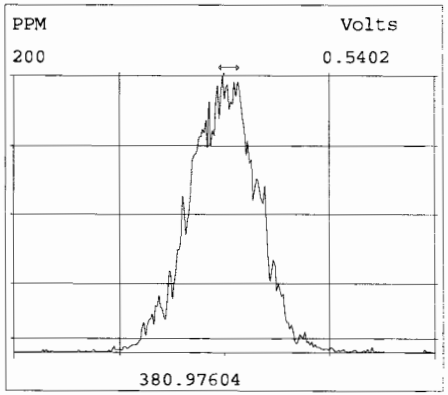


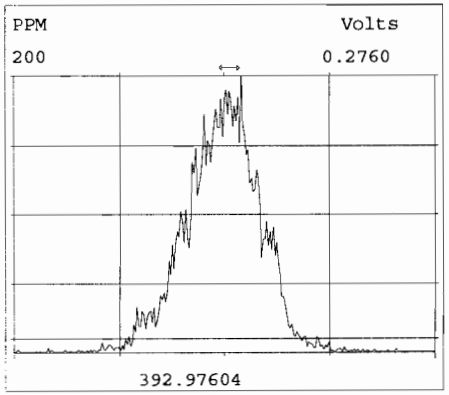



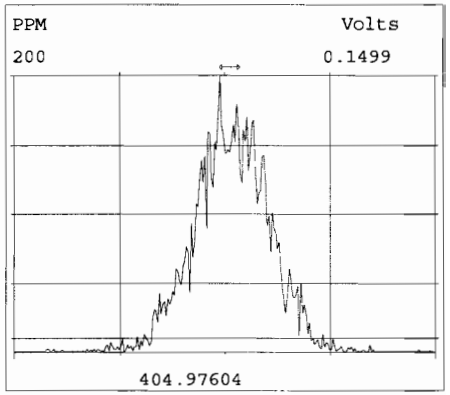



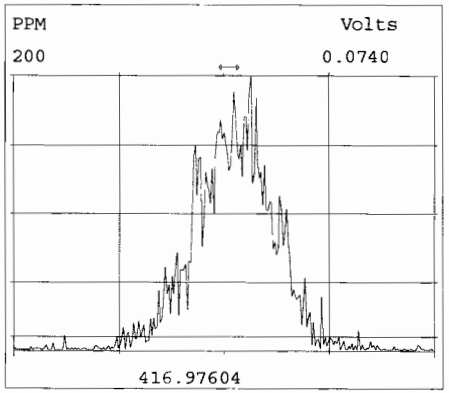



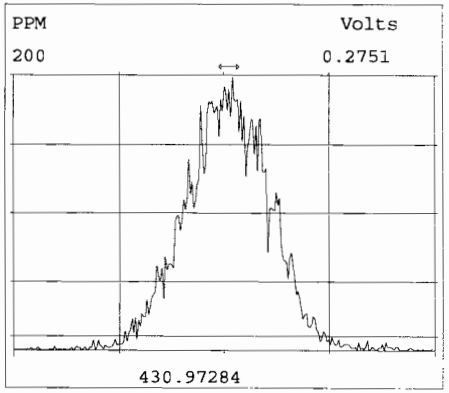



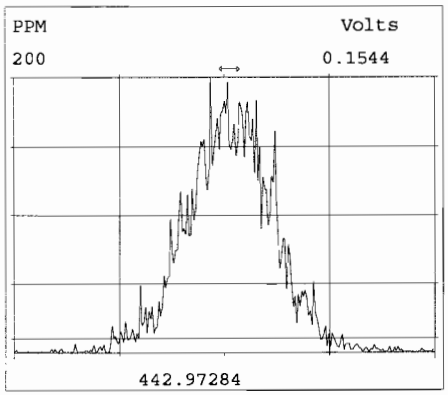



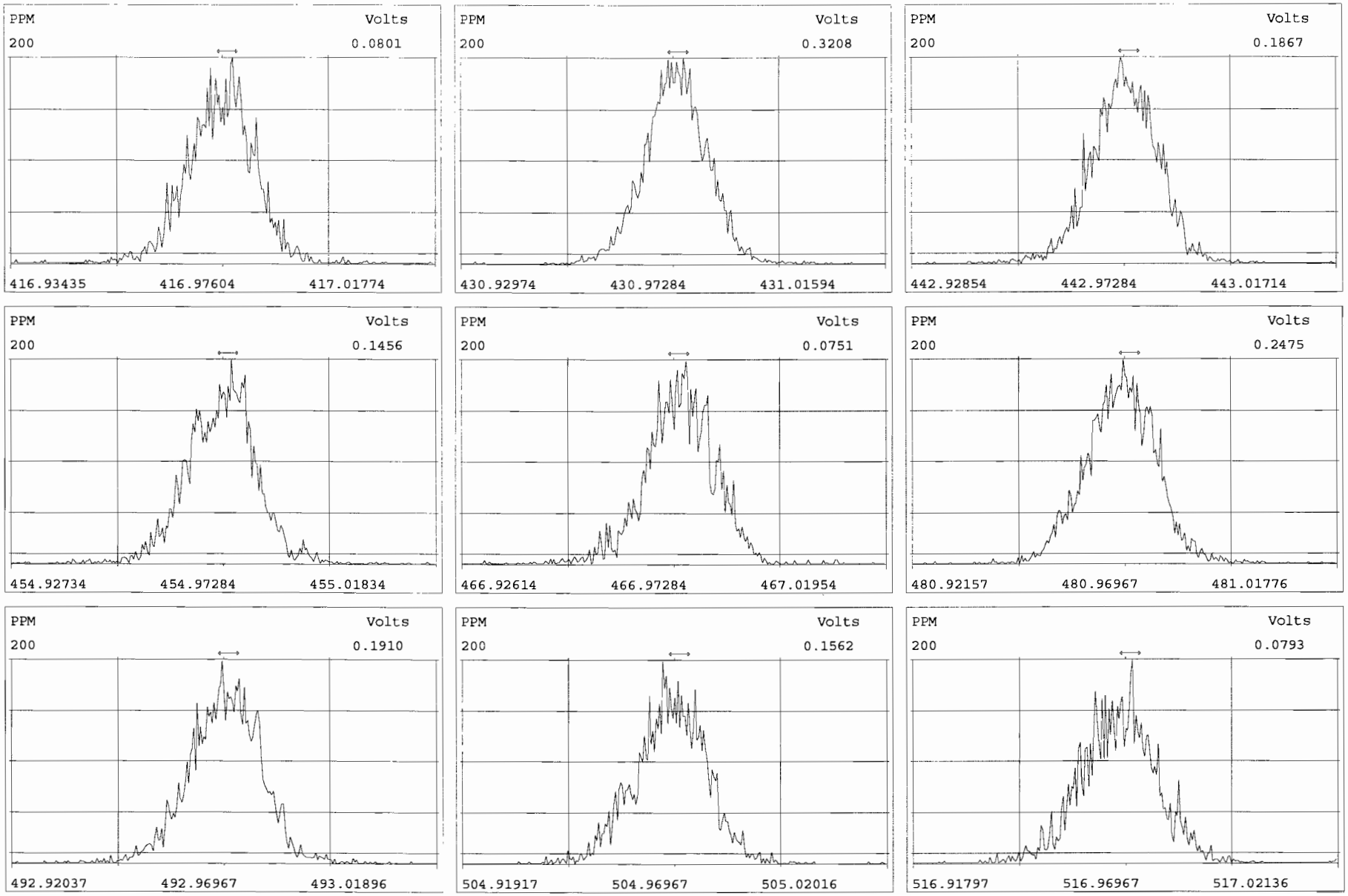



Peak Locate Examination: 8-FEB-2018:17:27 File:RES_CHECK

Experiment:PCB_ZB1 Function:5 Reference:PFK



Client ID: PCB SSS 17C1025 Filename: 180208E1 S:8 Acq: 8-FEB-18 16:10:35 ConCal: NA 
Lab ID: SS180208E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.0000 EndCAL: NA

| | Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc |
|---|---|---|---|---|---|---|---|---|---|---|
| | PCB-1 | 2.22e+08 | 3.05 | y | 1.07 | 16:00 | 1.001 | 0.996 | 1.006 | 102.395 |
| | PCB-2 | * | * | n | 1.06 | NotFnd | * | 0.983 | 0.993 | * |
| | PCB-3 | 2.36e+08 | 3.03 | y | 1.06 | 18:38 | 1.001 | 0.996 | 1.006 | 101.477 |
| | PCB-4/10 | 2.68e+08 | 1.55 | y | 1.24 | 20:00 | 1.002 | 0.998 | 1.008 | 201.198 |
| | PCB-7/9 | 1.67e+08 | 1.55 | y | 0.99 | 21:46 | 0.866 | 0.863 | 0.871 | 99.5654 |
| | PCB-6 | * | * | n | 1.06 | NotFnd | * | 0.888 | 0.897 | * |
| | PCB-5/8 | 1.75e+08 | 1.56 | y | 1.03 | 22:50 | 0.908 | 0.904 | 0.913 | 100.722 |
| | PCB-14 | * | * | n | 1.03 | NotFnd | * | 0.948 | 0.958 | * |
| | PCB-11 | 1.70e+08 | 1.55 | y | 1.11 | 25:10 | 1.001 | 0.996 | 1.006 | 89.2281 |
| | PCB-12/13 | 1.64e+08 | 1.55 | y | 1.02 | 25:35 | 1.018 | 1.011 | 1.021 | 93.8995 |
| | PCB-15 | 1.77e+08 | 1.55 | y | 1.05 | 25:51 | 1.028 | 1.023 | 1.033 | 97.7108 |
| | PCB-19 | 6.67e+07 | 1.06 | y | 1.20 | 24:08 | 1.001 | 0.996 | 1.006 | 46.7713 |
| | PCB-30 | * | * | n | 1.93 | NotFnd | * | 1.034 | 1.044 | * |
| | PCB-18 | 7.06e+07 | 1.05 | y | 0.91 | 25:48 | 0.954 | 0.948 | 0.958 | 44.3819 |
| | PCB-17 | * | * | n | 0.84 | NotFnd | * | 0.955 | 0.965 | * |
| | PCB-24/27 | * | * | n | 1.15 | NotFnd | * | 0.977 | 0.986 | * |
| - | PCB-16/32 | * | * | n | 1.02 | NotFnd | * | 0.995 | 1.005 | * |
| - | PCB-34 | * | * | n | 0.96 | NotFnd | * | 0.955 | 0.965 | * |
| | PCB-23 | * | * | n | 0.95 | NotFnd | * | 0.958 | 0.968 | * |
| | PCB-29 | * | * | n | 0.96 | NotFnd | * | 0.966 | 0.976 | * |
| | PCB-26 | * | * | n | 1.00 | NotFnd | * | 0.974 | 0.984 | * |
| | PCB-25 | * | * | n | 1.06 | NotFnd | * | 0.980 | 0.990 | * |
| | PCB-31 | 7.53e+07 | 1.05 | y | 1.12 | 28:55 | 0.997 | 0.992 | 1.002 | 45.4482 |
| | PCB-28 | 7.70e+07 | 1.06 | y | 1.14 | 29:01 | 1.000 | 0.995 | 1.005 | 45.6172 |
| | PCB-20/21/33 | 7.52e+07 | 1.04 | y | 1.00 | 29:40 | 1.023 | 1.017 | 1.027 | 50.8893 |
| | PCB-22 | * | * | n | 1.09 | NotFnd | * | 1.032 | 1.042 | * |
| | PCB-36 | * | * | n | 1.15 | NotFnd | * | 0.929 | 0.939 | * |
| | PCB-39 | * | * | n | 1.07 | NotFnd | * | 0.943 | 0.953 | * |
| | PCB-38 | 7.04e+07 | 1.05 | y | 1.10 | 31:56 | 0.971 | 0.966 | 0.976 | 42.5182 |
| | PCB-35 | 7.48e+07 | 1.05 | y | 1.12 | 32:28 | 0.987 | 0.982 | 0.992 | 44.3277 |
| | PCB-37 | 8.05e+07 | 1.04 | y | 1.11 | 32:54 | 1.001 | 0.996 | 1.006 | 48.1636 |
| | PCB-54 | 8.03e+07 | 0.77 | y | 1.07 | 27:54 | 1.001 | 0.996 | 1.006 | 48.0310 |
| | PCB-50 | * | * | n | 0.87 | NotFnd | * | 1.038 | 1.048 | * |
| | PCB-53 | * | * | n | 1.01 | NotFnd | * | 0.940 | 0.950 | * |
| | PCB-51 | * | * | n | 1.10 | NotFnd | * | 0.952 | 0.962 | * |
| | PCB-45 | * | * | n | 0.87 | NotFnd | * | 0.965 | 0.975 | * |
| | PCB-46 | * | * | n | 0.84 | NotFnd | * | 0.980 | 0.990 | * |

| Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc |
|---|---|---|---|---|---|---|---|---|---|
| PCB-52/69 | 7.19e+07 | 0.78 | y | 1.212 | 31:26 | 1.000 | 0.996 | 1.006 | 46.6387 |
| PCB-73 | * | * | n | 1.453 | NotFnd | * | 1.000 | 1.010 | * |
| PCB-43/49 | 6.62e+07 | 0.79 | y | 1.011 | 31:45 | 1.010 | 1.005 | 1.015 | 51.4291 |
| PCB-47 | * | * | n | 0.906 | NotFnd | * | 0.995 | 1.005 | * |
| PCB-48/75 | * | * | n | 1.134 | NotFnd | * | 0.999 | 1.009 | * |
| PCB-65 | * | * | n | 1.271 | NotFnd | * | 1.007 | 1.017 | * |
| PCB-62 | * | * | n | 1.096 | NotFnd | * | 1.011 | 1.021 | * |
| PCB-44 | 5.74e+07 | 0.77 | y | 0.855 | 32:45 | 1.026 | 1.020 | 1.030 | 48.9519 |
| PCB-42/59 | * | * | n | 1.021 | NotFnd | * | 1.027 | 1.037 | * |
| PCB-41/64/71/72 | * | * | n | 1.166 | NotFnd | * | 1.046 | 1.056 | * |
| PCB-68 | * | * | n | 1.278 | NotFnd | * | 1.054 | 1.064 | * |
| PCB-40 | * | * | n | 0.624 | NotFnd | * | 1.060 | 1.070 | * |
| PCB-57 | 8.38e+07 | 0.78 | y | 1.129 | 34:23 | 0.970 | 0.965 | 0.975 | 44.8332 |
| PCB-67 | * | * | n | 1.103 | NotFnd | * | 0.973 | 0.983 | * |
| PCB-58 | * | * | n | 1.123 | NotFnd | * | 0.977 | 0.987 | * |
| PCB-63 | * | * | n | 1.001 | NotFnd | * | 0.981 | 0.991 | * |
| PCB-74 | 8.96e+07 | 0.78 | y | 1.184 | 35:15 | 0.994 | 0.989 | 0.999 | 45.7364 |
| PCB-61/70 | 9.01e+07 | 0.78 | y | 1.028 | 35:27 | 1.000 | 0.994 | 1.004 | 52.9735 |
| PCB-76/66 | 8.80e+07 | 0.78 | y | 1.134 | 35:40 | 1.006 | 1.000 | 1.010 | 46.8551 |
| PCB-80 | * | * | n | 1.193 | NotFnd | * | 0.995 | 1.005 | * |
| PCB-55 | * | * | n | 1.159 | NotFnd | * | 1.004 | 1.014 | * |
| PCB-56/60 | * | * | n | 1.043 | NotFnd | * | 1.018 | 1.028 | * |
| PCB-79 | 8.69e+07 | 0.78 | y | 1.169 | 37:45 | 1.052 | 1.047 | 1.057 | 45.4161 |
| PCB-78 | 7.87e+07 | 0.77 | y | 1.105 | 38:27 | 0.987 | 0.982 | 0.992 | 44.0666 |
| PCB-81 | 8.72e+07 | 0.77 | y | 0.969 | 38:59 | 1.001 | 0.995 | 1.005 | 55.6571 |
| PCB-77 | 8.41e+07 | 0.78 | y | 1.082 | 39:34 | 1.000 | 0.995 | 1.005 | 51.4309 |
| PCB-104 | 6.41e+07 | 1.60 | y | 1.078 | 32:36 | 1.001 | 0.996 | 1.006 | 54.7856 |
| PCB-96 | * | * | n | 1.131 | NotFnd | * | 1.034 | 1.044 | * |
| PCB-103 | * | * | n | 0.908 | NotFnd | * | 1.051 | 1.061 | * |
| PCB-100 | * | * | n | 0.925 | NotFnd | * | 1.062 | 1.072 | * |
| PCB-94 | * | * | n | 0.914 | NotFnd | * | 0.981 | 0.991 | * |
| PCB-95/98/102 | 4.75e+07 | 1.57 | y | 1.172 | 35:46 | 1.001 | 0.994 | 1.004 | 48.0795 |
| PCB-93 | 4.75e+07 | 1.57 | y | 0.926 | 35:46 | 1.001 | 0.997 | 1.007 | 60.8674 |
| PCB-88/91 | * | * | n | 0.974 | NotFnd | * | 1.005 | 1.015 | * |
| PCB-121 | * | * | n | 1.681 | NotFnd | * | 1.009 | 1.019 | * |
| PCB-84/92 | * | * | n | 0.973 | NotFnd | * | 0.985 | 0.995 | * |
| PCB-89 | * | * | n | 1.065 | NotFnd | * | 0.990 | 1.000 | * |

Integrations by Analyst: M
Date: 2/22/18

Reviewed by Analyst: JB
Date: 2/22/18

Client ID: PCB SSS 17C1025 Filename: 180208E1 S:8 Acq: 8-FEB-18 16:10:35 ConCal: NA 
Lab ID: SS180208E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.0000 EndCAL: NA

| | Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc |
|---|---|---|---|---|---|---|---|---|---|---|
| | PCB-90/101 | 5.02e+07 | 1.58 | y | 1.08 | 37:27 | 1.001 | 0.995 | 1.005 | 55.0836 |
| | PCB-113 | * | * | n | 1.48 | NotFnd | * | 1.002 | 1.012 | * |
| | PCB-99 | 5.14e+07 | 1.60 | y | 1.25 | 37:46 | 1.009 | 1.004 | 1.014 | 48.4232 |
| | PCB-119 | * | * | n | 1.70 | NotFnd | * | 0.982 | 0.992 | * |
| | PCB-108/112 | * | * | n | 1.40 | NotFnd | * | 0.986 | 0.996 | * |
| | PCB-83 | * | * | n | 1.75 | NotFnd | * | 0.990 | 1.000 | * |
| | PCB-97 | * | * | n | 1.17 | NotFnd | * | 0.995 | 1.005 | * |
| | PCB-86 | * | * | n | 1.08 | NotFnd | * | 0.999 | 1.009 | * |
| | B-87/117/125 | 4.42e+07 | 1.57 | y | 1.55 | 39:02 | 1.008 | 1.002 | 1.012 | 39.0180 |
| | PCB-111/115 | 6.07e+07 | 1.61 | y | 1.79 | 39:11 | 1.012 | 1.006 | 1.016 | 46.3720 |
| | PCB-85/116 | * | * | n | 1.29 | NotFnd | * | 1.009 | 1.019 | * |
| | PCB-120 | * | * | n | 1.98 | NotFnd | * | 1.016 | 1.026 | * |
| | PCB-110 | 6.03e+07 | 1.61 | y | 1.69 | 39:41 | 1.025 | 1.020 | 1.030 | 49.0609 |
| | PCB-82 | * | * | n | 0.81 | NotFnd | * | 0.972 | 0.982 | * |
| | PCB-124 | * | * | n | 1.30 | NotFnd | * | 0.988 | 0.998 | * |
| | PCB-107/109 | * | * | n | 1.31 | NotFnd | * | 0.991 | 1.001 | * |
| | PCB-123 | 6.04e+07 | 1.57 | y | 1.12 | 41:19 | 1.001 | 0.996 | 1.006 | 54.7327 |
| - | PCB-106/118 | 6.35e+07 | 1.59 | y | 1.18 | 41:29 | 1.000 | 0.996 | 1.006 | 53.4120 |
| - | PCB-114 | 5.48e+07 | 1.54 | y | 1.11 | 42:09 | 1.001 | 0.995 | 1.005 | 47.9085 |
| | PCB-122 | * | * | n | 1.03 | NotFnd | * | 0.999 | 1.009 | * |
| | PCB-105 | 5.67e+07 | 1.60 | y | 1.12 | 43:00 | 1.000 | 0.995 | 1.005 | 50.1038 |
| | PCB-127 | * | * | n | 1.12 | NotFnd | * | 0.995 | 1.005 | * |
| | PCB-126 | 5.84e+07 | 1.60 | y | 1.20 | 45:14 | 1.001 | 0.995 | 1.005 | 50.5692 |
| | | | | | | | | | | |
| | PCB-155 | 5.02e+07 | 1.29 | y | 0.99 | 36:59 | 1.000 | 0.995 | 1.005 | 58.0979 |
| | PCB-150 | * | * | n | 1.02 | NotFnd | * | 1.030 | 1.040 | * |
| | PCB-152 | * | * | n | 1.16 | NotFnd | * | 1.042 | 1.052 | * |
| | PCB-145 | * | * | n | 1.13 | NotFnd | * | 1.054 | 1.064 | * |
| | PCB-136 | * | * | n | 1.02 | NotFnd | * | 1.063 | 1.073 | * |
| | PCB-148 | * | * | n | 0.77 | NotFnd | * | 1.066 | 1.076 | * |
| | PCB-154 | * | * | n | 0.88 | NotFnd | * | 1.079 | 1.089 | * |
| | PCB-151 | * | * | n | 0.75 | NotFnd | * | 1.095 | 1.107 | * |
| | PCB-135 | * | * | n | 0.86 | NotFnd | * | 1.101 | 1.113 | * |
| | PCB-144 | * | * | n | 0.77 | NotFnd | * | 1.105 | 1.116 | * |
| | PCB-147 | * | * | n | 0.80 | NotFnd | * | 1.108 | 1.120 | * |
| | PCB-139/149 | 3.59e+07 | 1.29 | y | 0.88 | 41:26 | 1.121 | 1.115 | 1.127 | 46.6250 |
| - | PCB-140 | * | * | n | 0.77 | NotFnd | * | 1.120 | 1.132 | * |
| - | PCB-134/143 | * | * | n | 0.76 | NotFnd | * | 0.970 | 0.980 | * |

| | Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc |
|---|---|---|---|---|---|---|---|---|---|---|
| | PCB-131/133 | * | * | n | 0.82 | NotFnd | * | 0.977 | 0.987 | * |
| | PCB-142 | * | * | n | 0.73 | NotFnd | * | 0.981 | 0.991 | * |
| | PCB-146/165 | * | * | n | 1.02 | NotFnd | * | 0.986 | 0.996 | * |
| | PCB-132/161 | * | * | n | 1.00 | NotFnd | * | 0.992 | 1.002 | * |
| | PCB-153 | 5.90e+07 | 1.22 | y | 1.08 | 43:10 | 1.000 | 0.995 | 1.005 | 46.5595 |
| | PCB-168 | * | * | n | 1.12 | NotFnd | * | 1.000 | 1.010 | * |
| | PCB-141 | * | * | n | 1.02 | NotFnd | * | 0.995 | 1.005 | * |
| | PCB-137 | * | * | n | 1.10 | NotFnd | * | 1.004 | 1.014 | * |
| | PCB-130 | * | * | n | 0.81 | NotFnd | * | 1.007 | 1.017 | * |
| | PCB-138/163/164 | 5.21e+07 | 1.26 | y | 1.23 | 44:44 | 1.000 | 0.996 | 1.006 | 41.3775 |
| | PCB-158/160 | * | * | n | 1.18 | NotFnd | * | 1.001 | 1.011 | * |
| | PCB-129 | * | * | n | 0.78 | NotFnd | * | 1.007 | 1.017 | * |
| | PCB-166 | * | * | n | 1.13 | NotFnd | * | 0.988 | 0.998 | * |
| | PCB-159 | * | * | n | 1.16 | NotFnd | * | 0.995 | 1.005 | * |
| | PCB-128/162 | 6.32e+07 | 1.23 | y | 0.89 | 46:18 | 1.007 | 1.002 | 1.012 | 58.9294 |
| | PCB-167 | 6.88e+07 | 1.24 | y | 1.02 | 46:42 | 1.000 | 0.995 | 1.005 | 54.9220 |
| | PCB-156 | 6.19e+07 | 1.22 | y | 1.06 | 47:59 | 1.000 | 0.995 | 1.005 | 48.3899 |
| | PCB-157 | 6.90e+07 | 1.24 | y | 1.02 | 48:15 | 1.000 | 0.996 | 1.006 | 57.1230 |
| | PCB-169 | 6.42e+07 | 1.26 | y | 1.13 | 50:27 | 1.000 | 0.995 | 1.005 | 47.9561 |
| | | | | | | | | | | |
| | PCB-188 | 5.98e+07 | 1.05 | y | 1.37 | 42:48 | 1.001 | 0.995 | 1.005 | 50.0368 |
| | PCB-184 | * | * | n | 1.32 | NotFnd | * | 1.006 | 1.016 | * |
| | PCB-179 | * | * | n | 1.38 | NotFnd | * | 1.024 | 1.034 | * |
| | PCB-176 | * | * | n | 1.31 | NotFnd | * | 1.035 | 1.045 | * |
| | PCB-186 | * | * | n | 1.42 | NotFnd | * | 1.049 | 1.059 | * |
| | PCB-178 | 4.21e+07 | 1.05 | y | 0.97 | 45:35 | 1.066 | 1.060 | 1.070 | 49.9387 |
| | PCB-175 | * | * | n | 1.00 | NotFnd | * | 1.069 | 1.079 | * |
| | PCB-182/187 | 4.58e+07 | 1.04 | y | 1.14 | 46:05 | 1.077 | 1.072 | 1.082 | 46.0735 |
| | PCB-183 | * | * | n | 1.13 | NotFnd | * | 1.080 | 1.090 | * |
| | PCB-185 | * | * | n | 1.36 | NotFnd | * | 0.950 | 0.960 | * |
| | PCB-174 | 4.00e+07 | 1.05 | y | 1.42 | 47:26 | 0.963 | 0.958 | 0.968 | 48.7634 |
| | PCB-181 | * | * | n | 1.48 | NotFnd | * | 0.960 | 0.970 | * |
| | PCB-177 | * | * | n | 1.33 | NotFnd | * | 0.963 | 0.973 | * |
| | PCB-171 | * | * | n | 1.37 | NotFnd | * | 0.969 | 0.979 | * |
| | PCB-173 | * | * | n | 1.27 | NotFnd | * | 0.978 | 0.988 | * |
| | PCB-172 | * | * | n | 1.39 | NotFnd | * | 0.987 | 0.997 | * |
| | PCB-192 | * | * | n | 1.80 | NotFnd | * | 0.991 | 1.001 | * |
| | PCB-180 | 4.81e+07 | 1.06 | y | 1.52 | 49:17 | 1.001 | 0.995 | 1.005 | 54.7469 |

Integrations by Analyst: MI

Date: 2/22/18

Client ID: PCB SSS 17C1025 Filename: 180208E1 S:8 Acq: 8-FEB-18 16:10:35 ConCal: NA
Lab ID: SS180208E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol: 1.0000 EndCAL: NA

| | Name | Resp | RA | | RRF | RT | RRT | LCL | UCL | Conc |
|---|---|---|---|---|---|---|---|---|---|---|
| | PCB-193 | * | * | n | 1.71 | NotFnd | * | 0.999 | 1.009 | * |
| | PCB-191 | * | * | n | 1.74 | NotFnd | * | 1.005 | 1.015 | * |
| | PCB-170 | 3.86e+07 | 1.06 | y | 1.44 | 50:51 | 1.000 | 0.995 | 1.005 | 52.8332 |
| | PCB-190 | * | * | n | 1.95 | NotFnd | * | 0.999 | 1.009 | * |
| | PCB-189 | 5.12e+07 | 1.06 | y | 1.46 | 52:27 | 1.000 | 0.995 | 1.005 | 52.0074 |
| | PCB-202 | 4.25e+07 | 0.89 | y | 1.06 | 48:12 | 1.000 | 0.995 | 1.005 | 51.6703 |
| | PCB-201 | * | * | n | 0.98 | NotFnd | * | 1.006 | 1.016 | * |
| | PCB-204 | * | * | n | 1.07 | NotFnd | * | 1.009 | 1.019 | * |
| | PCB-197 | * | * | n | 1.10 | NotFnd | * | 1.015 | 1.025 | * |
| | PCB-200 | 3.95e+07 | 0.88 | y | 1.04 | 50:03 | 1.039 | 1.034 | 1.044 | 48.8158 |
| | PCB-198 | * | * | n | 0.84 | NotFnd | * | 1.065 | 1.075 | * |
| | PCB-199 | * | * | n | 0.80 | NotFnd | * | 1.067 | 1.077 | * |
| - | PCB-196/203 | 3.20e+07 | 0.90 | y | 0.84 | 51:55 | 1.077 | 1.072 | 1.082 | 49.0692 |
| - | PCB-195 | 3.05e+07 | 0.90 | y | 1.04 | 53:08 | 0.984 | 0.979 | 0.989 | 47.2777 |
| | PCB-194 | 3.22e+07 | 0.88 | y | 1.16 | 54:01 | 1.000 | 0.995 | 1.005 | 44.7181 |
| | PCB-205 | 4.00e+07 | 0.91 | y | 1.33 | 54:18 | 1.005 | 1.000 | 1.010 | 48.3825 |
| | PCB-208 | 4.19e+07 | 1.31 | y | 0.90 | 53:17 | 1.000 | 0.995 | 1.005 | 49.3481 |
| | PCB-207 | * | * | n | 0.89 | NotFnd | * | 1.001 | 1.011 | * |
| | PCB-206 | 2.86e+07 | 1.31 | y | 0.88 | 55:34 | 1.000 | 0.995 | 1.005 | 48.6309 |
| | PCB-209 | 3.39e+07 | 1.20 | y | 1.04 | 56:53 | 1.000 | 0.995 | 1.005 | 53.2317 |

| Name | Resp | RA | | RT | RRF | Conc | |
|---|---|---|---|---|---|---|---|
| Total Mono-PCB | 4.59e+08 | 3.05 | y | 16:00 | 1.06 | 203.872 | |
| Total Di-PCB | 1.12e+09 | 1.55 | y | 20:00 | 1.04 | 682.324 | |
| Total Tri-PCB | 1.37e+08 | 1.06 | y | 24:08 | 1.15 | 91.1532 | |
| Total Tri-PCB | 4.53e+08 | 1.05 | y | 28:55 | 1.05 | 276.964 | Sum:368.117 |
| Total Tetra-PCB | 9.64e+08 | 0.77 | y | 27:54 | 1.06 | 582.020 | |
| Total Penta-PCB | 5.02e+08 | 1.60 | y | 32:36 | 1.18 | 461.779 | |
| Total Penta-PCB | 1.70e+08 | 1.54 | y | 42:09 | 1.12 | 148.582 | Sum:610.361 |
| Total Hexa-PCB | 8.61e+07 | 1.29 | y | 36:59 | 0.91 | 104.723 | |
| Total Hexa-PCB | 4.38e+08 | 1.22 | y | 43:10 | 1.00 | 355.257 | Sum:459.980 |
| Total Hepta-PCB | 3.26e+08 | 1.05 | y | 42:48 | 1.35 | 354.400 | |
| Total Octa-PCB | 1.14e+08 | 0.89 | y | 48:12 | 0.95 | 149.555 | |
| Total Octa-PCB | 1.04e+08 | 0.90 | y | 53:08 | 1.17 | 142.824 | Sum:292.379 |
| Total Nona-PCB | 7.21e+07 | 1.31 | y | 53:17 | 0.89 | 100.002 | |
| Total Deca-PCB | 3.39e+07 | 1.20 | y | 56:53 | 1.04 | 53.2317 | |

Total PCB Conc:3750.27429300

Integrations
by
Analyst: MI

Date: 2/22/18

Client ID: PCB SSS 17C1025 Filename: 180208E1 S:8 Acq: 8-FEB-18 16:10:35 ConCal: NA
Lab ID: SS180208E1-1 GC Column ID: ZB-1 ICal: PCBVG8-2-8-18 wt/vol:1.0000 EndCAL: NA

| Name | Resp | RA | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-1 | 2.02e+08 | 3.17 y | 1.13 | 15:59 | 0.618 | 0.616-0.622 | 98.0 | 98.0 |
| 13C-PCB-3 | 2.20e+08 | 3.24 y | 1.21 | 18:37 | 0.720 | 0.716-0.724 | 99.3 | 99.3 |
| 13C-PCB-4 | 1.08e+08 | 1.53 y | 0.59 | 19:57 | 0.772 | 0.769-0.777 | 99.3 | 99.3 |
| 13C-PCB-9 | 1.69e+08 | 1.52 y | 0.94 | 21:45 | 0.842 | 0.837-0.845 | 98.4 | 98.4 |
| 13C-PCB-11 | 1.72e+08 | 1.54 y | 0.95 | 25:08 | 0.973 | 0.968-0.978 | 99.1 | 99.1 |
| 13C-PCB-19 | 1.19e+08 | 1.07 y | 0.62 | 24:07 | 0.933 | 0.928-0.938 | 105 | 105 |
| 13C-PCB-28 | 1.49e+08 | 1.02 y | 1.05 | 29:01 | 1.004 | 0.999-1.009 | 96.9 | 96.9 |
| 13C-PCB-32 | 1.74e+08 | 1.05 y | 0.91 | 27:03 | 1.047 | 1.041-1.051 | 105 | 105 |
| 13C-PCB-37 | 1.50e+08 | 1.05 y | 1.02 | 32:53 | 1.138 | 1.132-1.144 | 101 | 101 |
| 13C-PCB-47 | 1.37e+08 | 0.81 y | 0.83 | 31:56 | 0.871 | 0.867-0.875 | 100 | 100 |
| 13C-PCB-52 | 1.27e+08 | 0.81 y | 0.76 | 31:26 | 0.857 | 0.853-0.861 | 102 | 102 |
| 13C-PCB-54 | 1.56e+08 | 0.81 y | 0.93 | 27:53 | 0.760 | 0.756-0.764 | 102 | 102 |
| 13C-PCB-70 | 1.65e+08 | 0.80 y | 1.00 | 35:27 | 0.966 | 0.961-0.971 | 101 | 101 |
| 13C-PCB-77 | 1.51e+08 | 0.80 y | 0.96 | 39:33 | 1.078 | 1.073-1.083 | 96.1 | 96.1 |
| 13C-PCB-80 | 1.64e+08 | 0.80 y | 1.00 | 35:52 | 0.978 | 0.973-0.983 | 100 | 100 |
| 13C-PCB-81 | 1.62e+08 | 0.81 y | 1.01 | 38:58 | 1.062 | 1.057-1.067 | 98.0 | 98.0 |
| 13C-PCB-95 | 8.43e+07 | 1.59 y | 0.80 | 35:44 | 0.913 | 0.908-0.918 | 102 | 102 |
| 13C-PCB-97 | 7.29e+07 | 1.59 y | 0.70 | 38:44 | 0.989 | 0.984-0.994 | 101 | 101 |
| 13C-PCB-101 | 8.46e+07 | 1.60 y | 0.80 | 37:26 | 0.956 | 0.951-0.961 | 102 | 102 |
| 13C-PCB-104 | 1.09e+08 | 1.62 y | 1.01 | 32:35 | 0.832 | 0.828-0.836 | 104 | 104 |
| 13C-PCB-105 | 1.01e+08 | 1.56 y | 1.14 | 42:59 | 0.929 | 0.924-0.934 | 100 | 100 |
| 13C-PCB-114 | 1.03e+08 | 1.59 y | 1.18 | 42:07 | 0.910 | 0.905-0.915 | 98.7 | 98.7 |
| 13C-PCB-118 | 1.01e+08 | 1.59 y | 1.00 | 41:28 | 1.059 | 1.054-1.064 | 98.1 | 98.1 |
| 13C-PCB-123 | 9.86e+07 | 1.58 y | 0.95 | 41:17 | 1.054 | 1.049-1.059 | 101 | 101 |
| 13C-PCB-126 | 9.62e+07 | 1.55 y | 1.14 | 45:13 | 0.977 | 0.972-0.982 | 96.0 | 96.0 |
| 13C-PCB-127 | 1.08e+08 | 1.58 y | 1.24 | 43:19 | 0.936 | 0.931-0.941 | 98.5 | 98.5 |
| 13C-PCB-138 | 1.02e+08 | 1.28 y | 1.17 | 44:43 | 0.967 | 0.962-0.972 | 98.6 | 98.6 |
| 13C-PCB-141 | 9.79e+07 | 1.26 y | 1.11 | 43:53 | 0.948 | 0.944-0.954 | 100 | 100 |
| 13C-PCB-153 | 1.18e+08 | 1.25 y | 1.34 | 43:09 | 0.933 | 0.928-0.938 | 100.0 | 100.0 |
| 13C-PCB-155 | 8.75e+07 | 1.31 y | 0.83 | 36:58 | 0.944 | 0.939-0.949 | 103 | 103 |
| 13C-PCB-156 | 1.20e+08 | 1.28 y | 1.38 | 47:58 | 1.037 | 1.032-1.042 | 98.8 | 98.8 |
| 13C-PCB-157 | 1.18e+08 | 1.28 y | 1.37 | 48:14 | 1.042 | 1.037-1.047 | 97.4 | 97.4 |
| 13C-PCB-159 | 1.20e+08 | 1.25 y | 1.39 | 45:60 | 0.994 | 0.989-0.999 | 98.4 | 98.4 |
| 13C-PCB-167 | 1.23e+08 | 1.27 y | 1.40 | 46:41 | 1.009 | 1.004-1.014 | 99.6 | 99.6 |
| 13C-PCB-169 | 1.18e+08 | 1.25 y | 1.39 | 50:27 | 1.090 | 1.085-1.095 | 96.6 | 96.6 |
| 13C-PCB-170 | 5.09e+07 | 0.46 y | 0.86 | 50:51 | 1.103 | 1.097-1.109 | 97.7 | 97.7 |
| 13C-PCB-180 | 5.80e+07 | 0.46 y | 0.98 | 49:15 | 1.069 | 1.064-1.074 | 97.8 | 97.8 |
| 13C-PCB-188 | 8.70e+07 | 0.46 y | 1.40 | 42:47 | 0.928 | 0.923-0.933 | 103 | 103 |
| 13C-PCB-189 | 6.75e+07 | 0.47 y | 1.15 | 52:27 | 1.138 | 1.132-1.144 | 96.9 | 96.9 |
| 13C-PCB-194 | 6.22e+07 | 0.90 y | 0.77 | 54:01 | 0.995 | 0.990-1.000 | 99.5 | 99.5 |
| 13C-PCB-202 | 7.76e+07 | 0.93 y | 1.28 | 48:11 | 1.045 | 1.040-1.050 | 99.8 | 99.8 |
| 13C-PCB-206 | 6.68e+07 | 0.78 y | 0.81 | 55:33 | 1.023 | 1.019-1.029 | 102 | 102 |
| 13C-PCB-208 | 9.49e+07 | 0.79 y | 1.09 | 53:16 | 0.981 | 0.977-0.987 | 107 | 107 |
| 13C-PCB-209 | 6.11e+07 | 1.19 y | 0.74 | 56:52 | 1.048 | 1.043-1.053 | 102 | 102 |

CRS vs. RS

| Name | Resp | RA | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.66e+08 | 0.80 y | 1.03 | 37:45 | 1.029 | 1.024-1.034 | 98.0 | 98.0 |
| 13C-PCB-178 | 5.63e+07 | 0.45 y | 0.93 | 45:34 | 0.985 | 0.980-0.990 | 100 | 100 |

PS vs. IS

| Name | Resp | RA | RRF | RT | RRT | LCL-UCL | Conc | Rec |
|---|---|---|---|---|---|---|---|---|
| 13C-PCB-79 | 1.66e+08 | 0.80 y | 1.03 | 37:45 | 0.969 | 0.963-0.973 | 100.0 | 100.0 |
| 13C-PCB-178 | 5.63e+07 | 0.45 y | 0.95 | 45:34 | 0.925 | 0.920-0.930 | 102 | 102 |

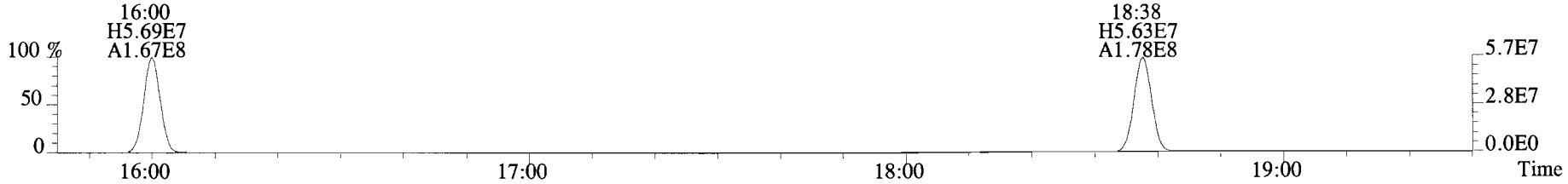
RS

| Name | Resp | RA | RRF | RT | Conc |
|---|---|---|---|---|---|
| 13C-PCB-15 | 1.83e+08 | 1.55 y | 1.00 | 25:51 | 100 |
| 13C-PCB-31 | 1.46e+08 | 1.03 y | 1.00 | 28:54 | 100 |
| 13C-PCB-60 | 1.64e+08 | 0.80 y | 1.00 | 36:41 | 100 |
| 13C-PCB-111 | 1.03e+08 | 1.57 y | 1.00 | 39:10 | 100 |
| 13C-PCB-128 | 8.81e+07 | 1.26 y | 1.00 | 46:16 | 100 |
| 13C-PCB-182 | 6.07e+07 | 0.47 y | 1.00 | 46:06 | 100 |
| 13C-PCB-205 | 8.12e+07 | 0.92 y | 1.00 | 54:17 | 100 |

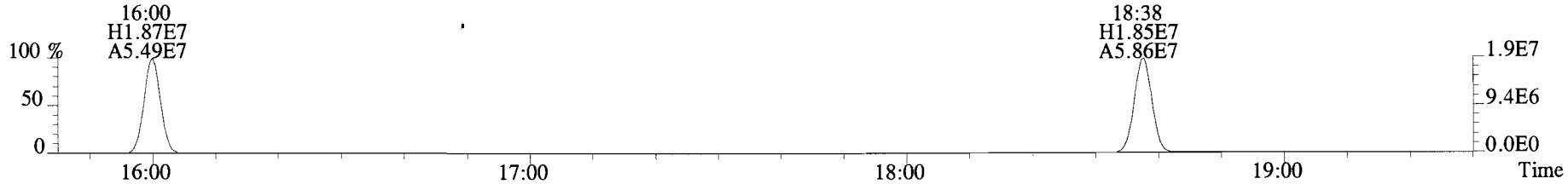
Analyst: MI

Date: 2/22/18

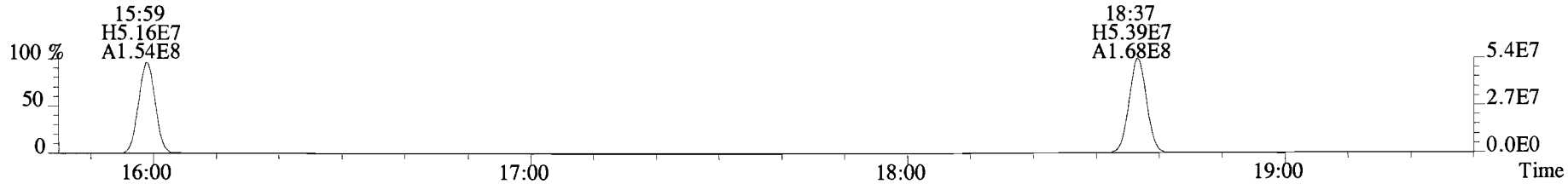
File:180208E1 #1-867 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
188.0393 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8184.0,0.00%,F,F)



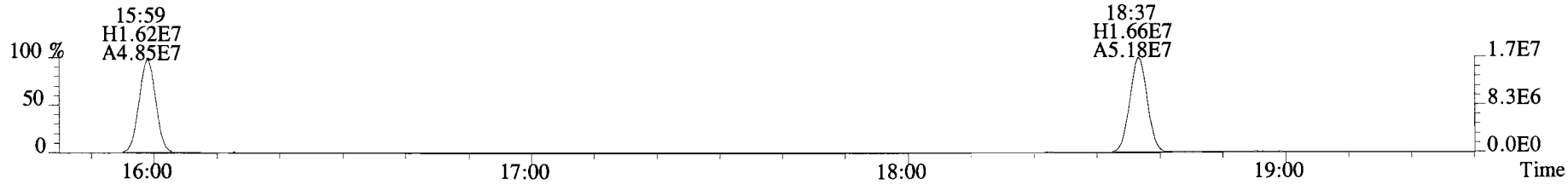

190.0363 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5228.0,0.00%,F,F)



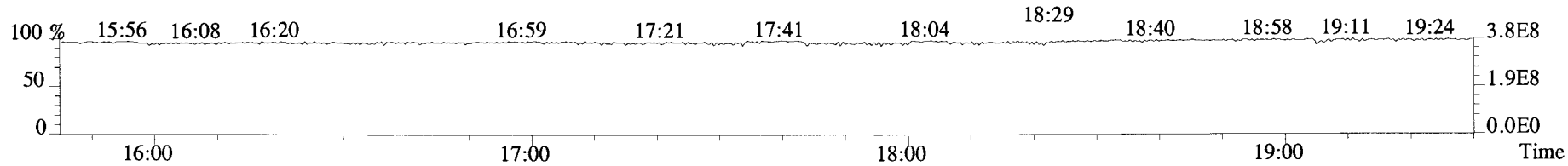

200.0795 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5992.0,0.00%,F,F)



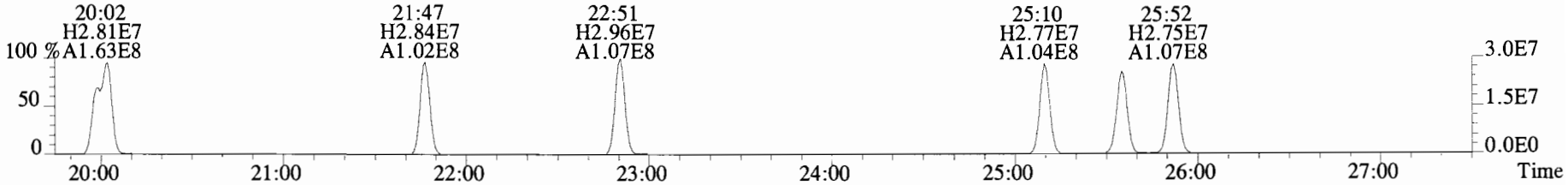

202.0766 S:8 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,38260.0,0.00%,F,F)



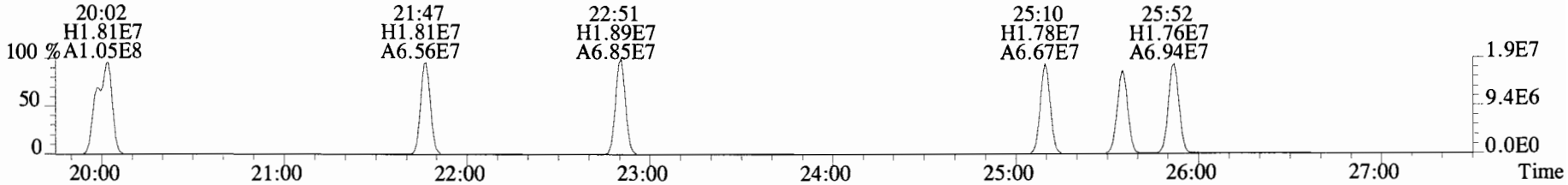

180.9880 S:8



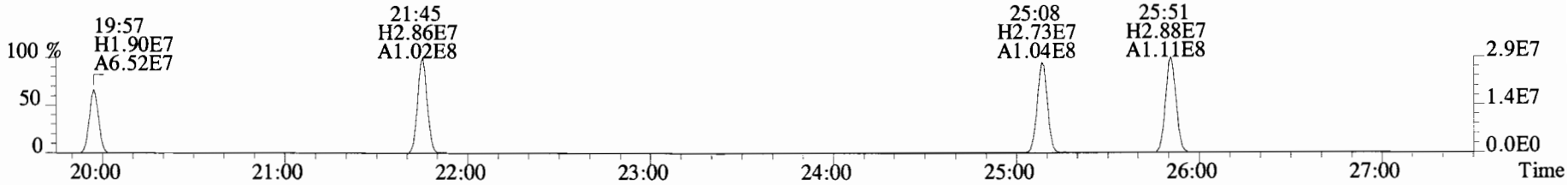
File:180208E1 #1-757 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
222.0003 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4540.0,0.00%,F,F)



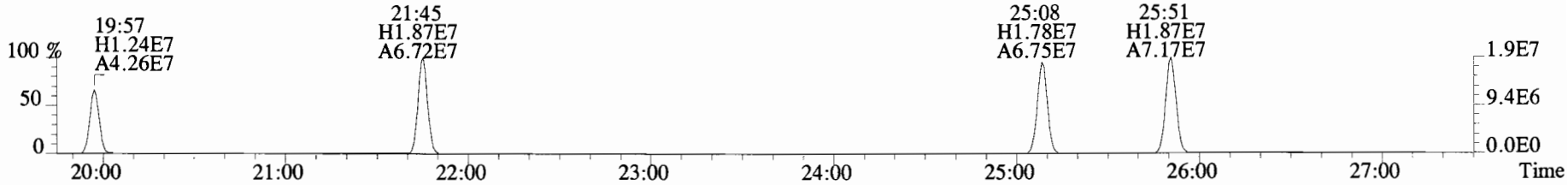

223.9974 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10300.0,0.00%,F,F)



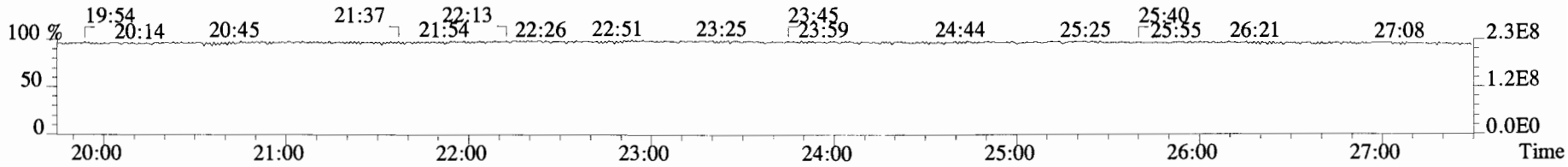

234.0406 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5316.0,0.00%,F,F)




236.0376 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4056.0,0.00%,F,F)

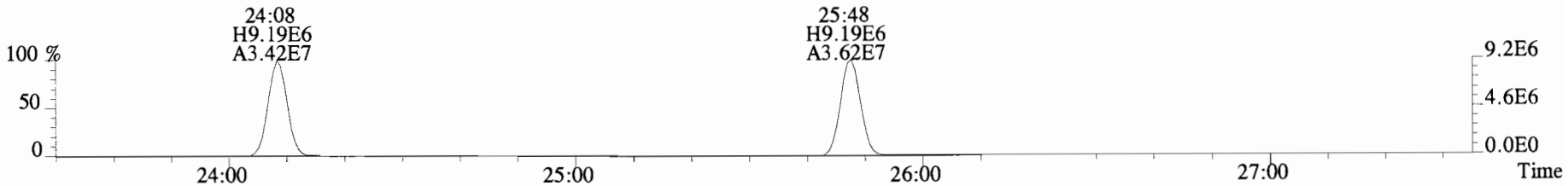



230.9856 S:8 F:2

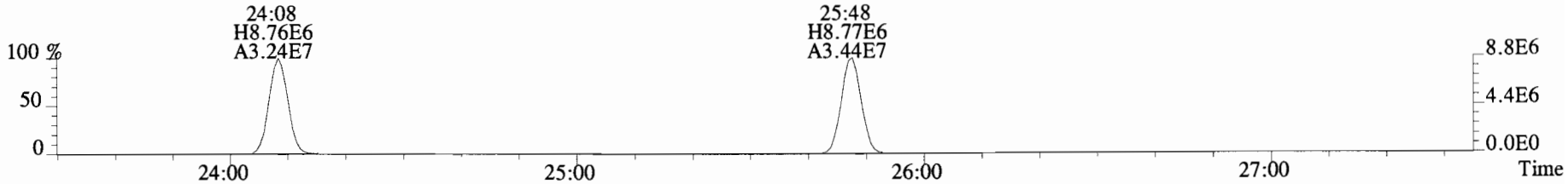


File:180208E1 #1-757 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1

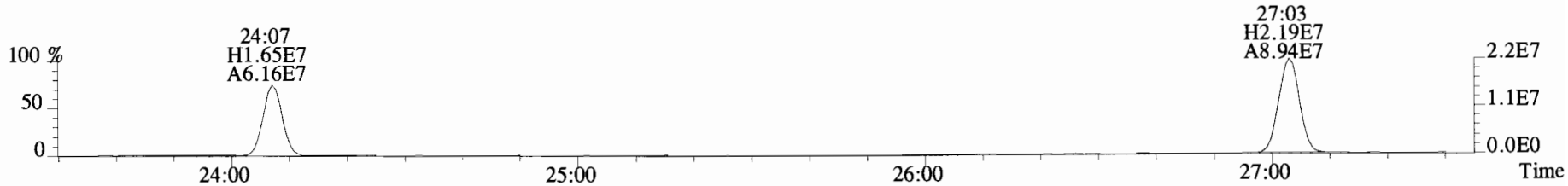
255.9613 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4292.0,0.00%,F,F)



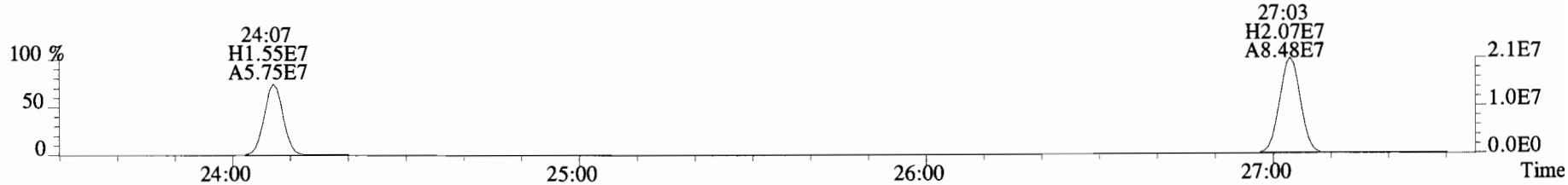

257.9584 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3252.0,0.00%,F,F)



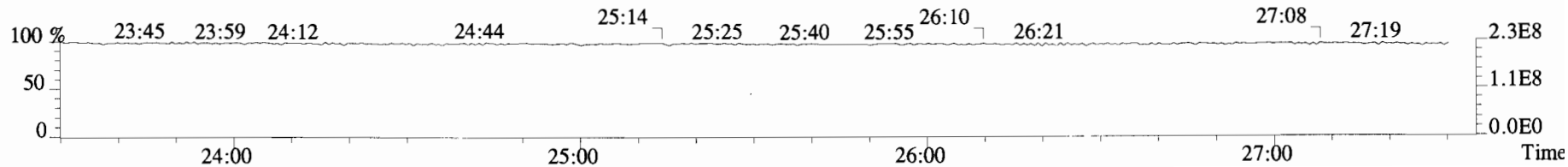

268.0016 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,75768.0,0.00%,F,F)




269.9986 S:8 F:2 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,31388.0,0.00%,F,F)

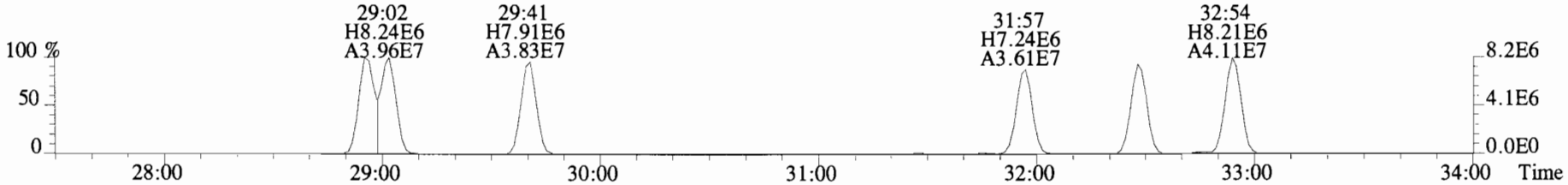



230.9856 S:8 F:2

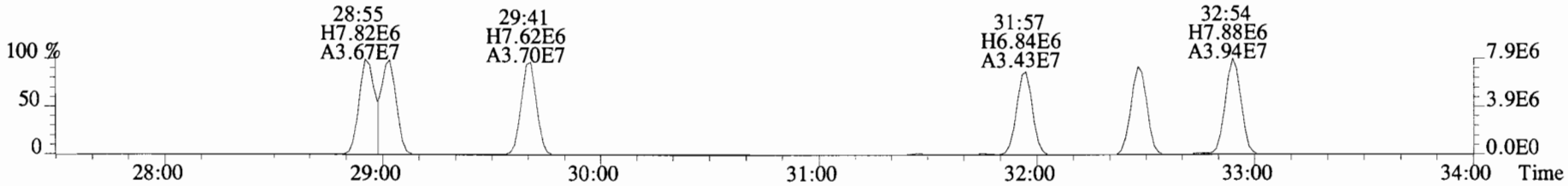


File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1

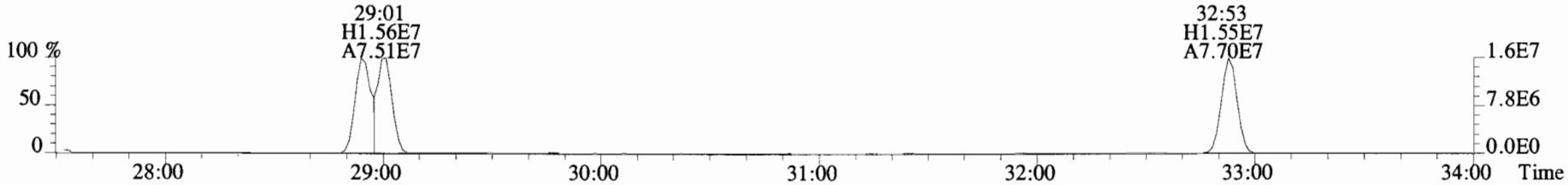
255.9613 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5224.0,0.00%,F,F)



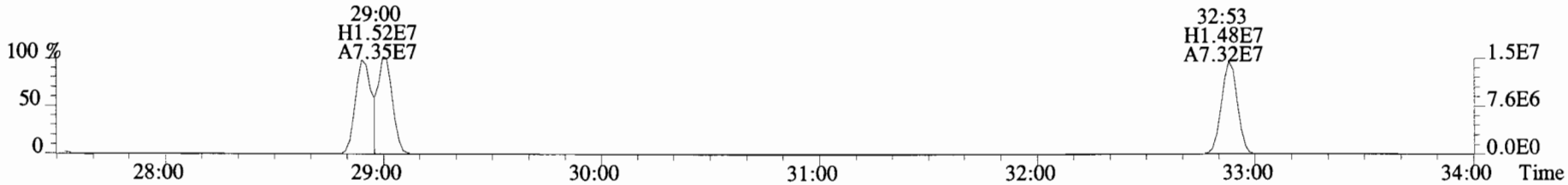

257.9584 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4788.0,0.00%,F,F)



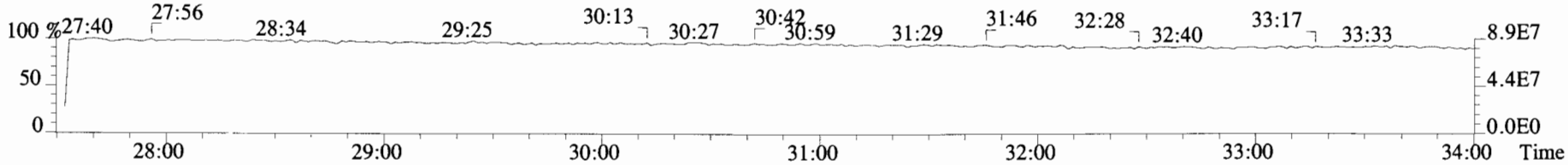

268.0016 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,47792.0,0.00%,F,F)



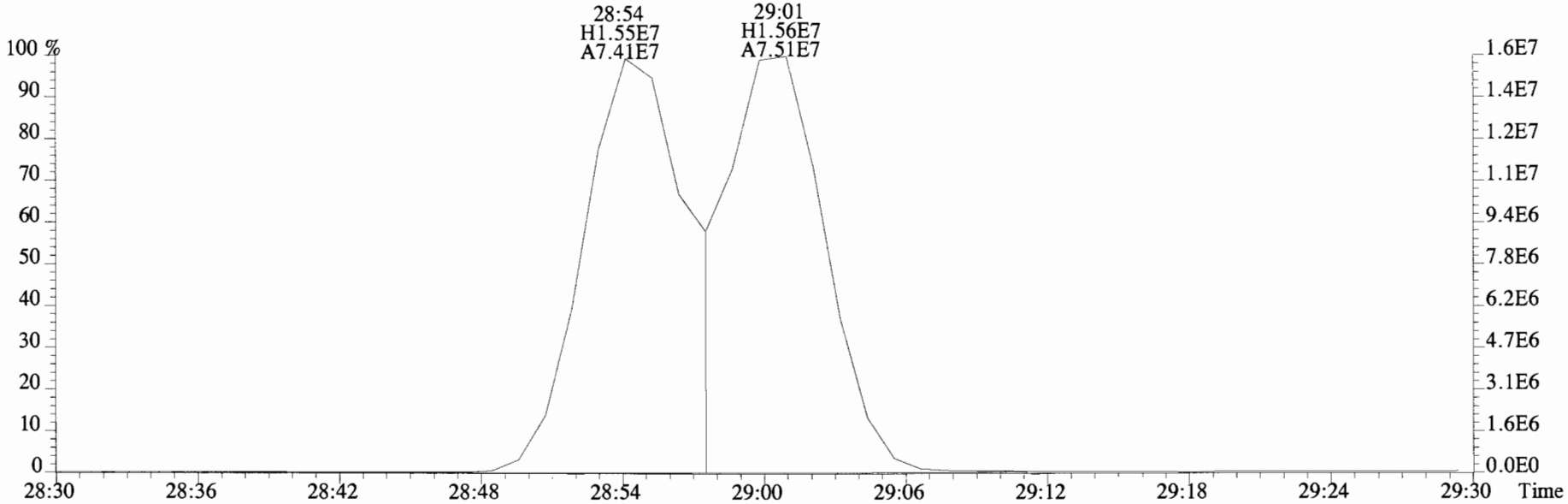

269.9986 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20416.0,0.00%,F,F)



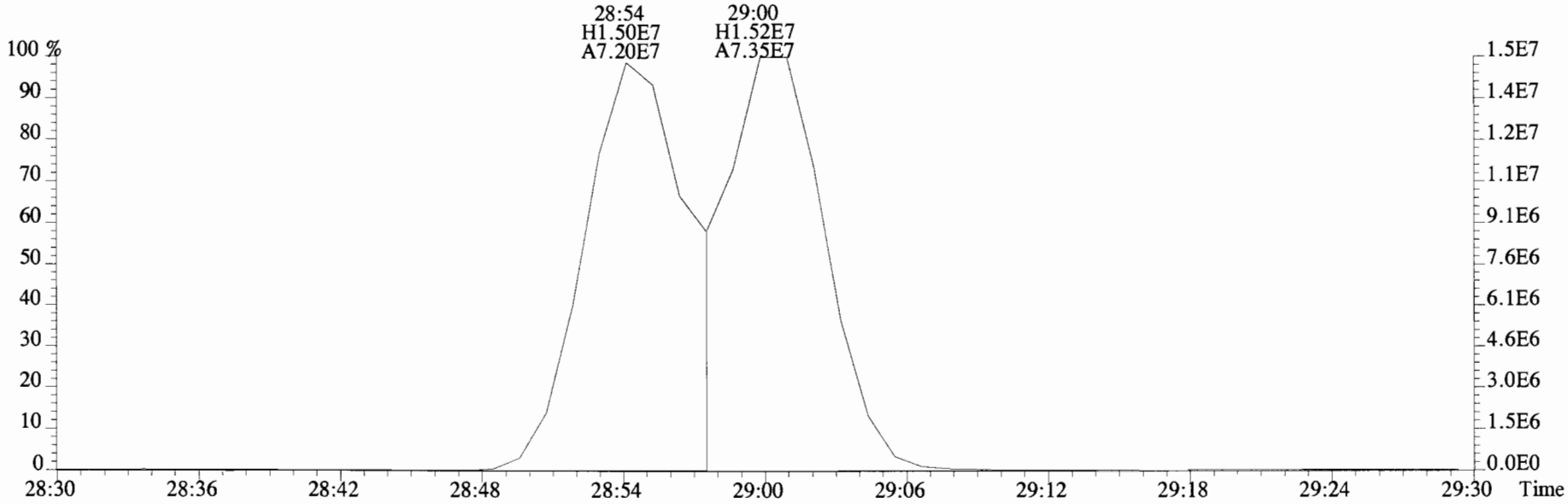

330.9792 S:8 F:3



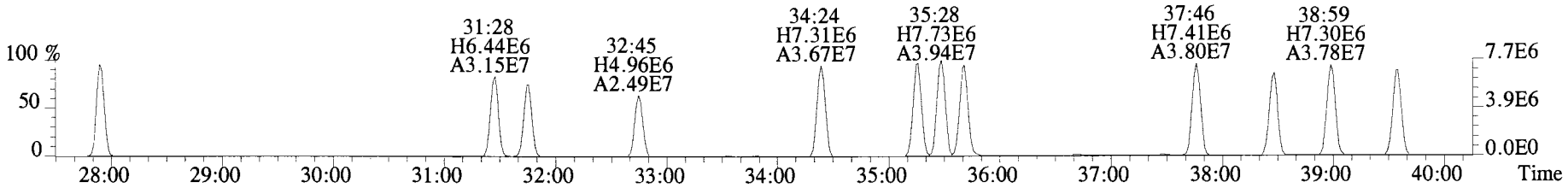
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
268.0016 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,47792.0,0.00%,F,F)



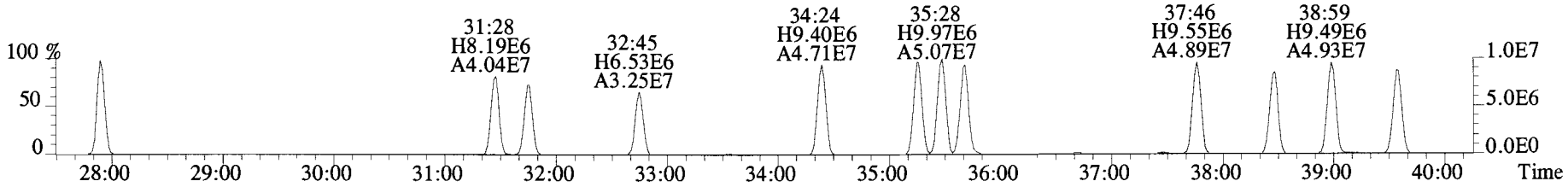

269.9986 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,20416.0,0.00%,F,F)



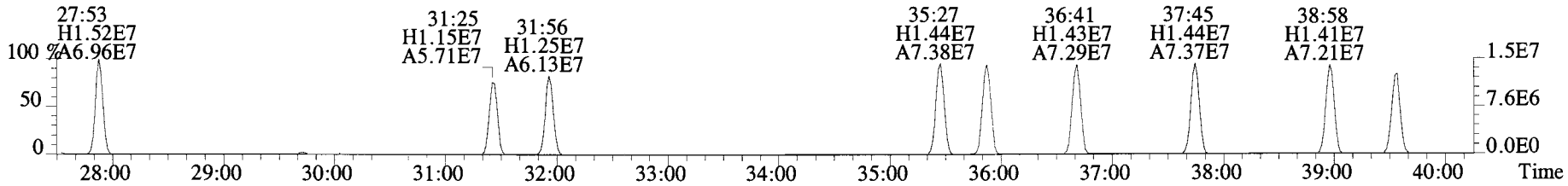
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5536.0,0.00%,F,F)



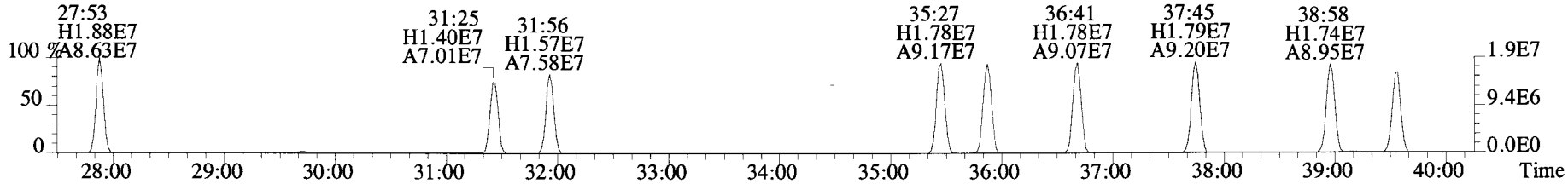

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5996.0,0.00%,F,F)



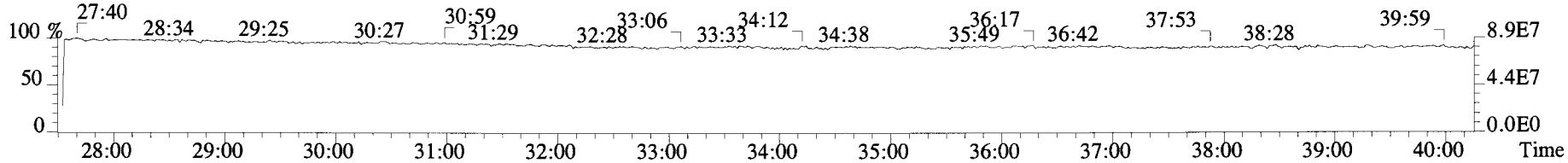

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22836.0,0.00%,F,F)



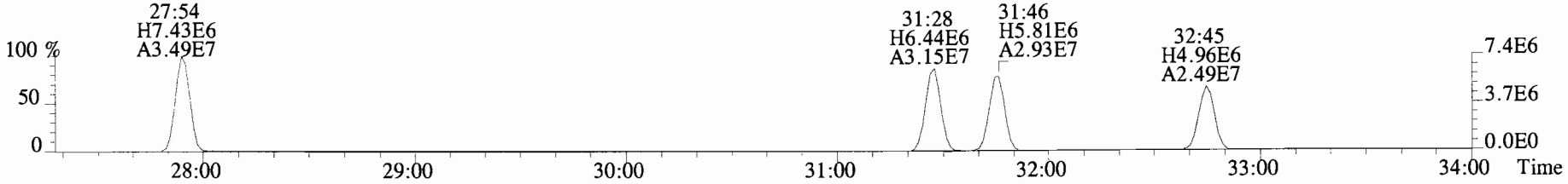

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17480.0,0.00%,F,F)



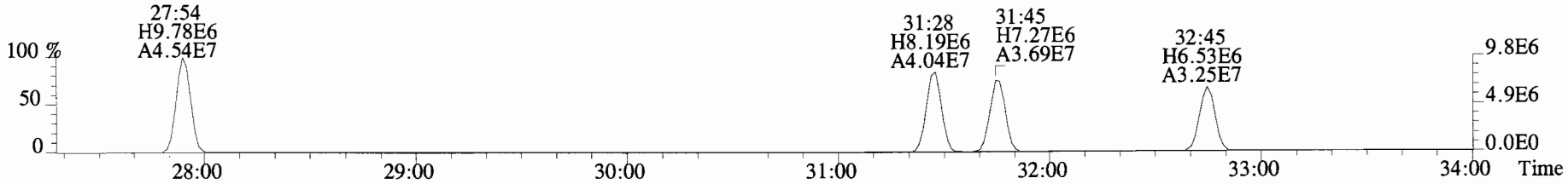

330.9792 S:8 F:3



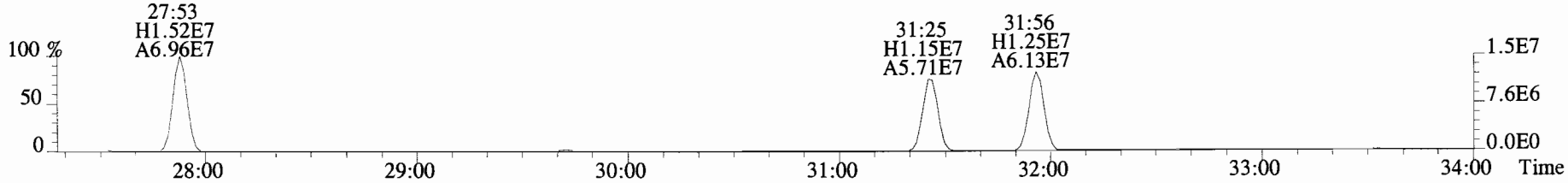
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5536.0,0.00%,F,F)



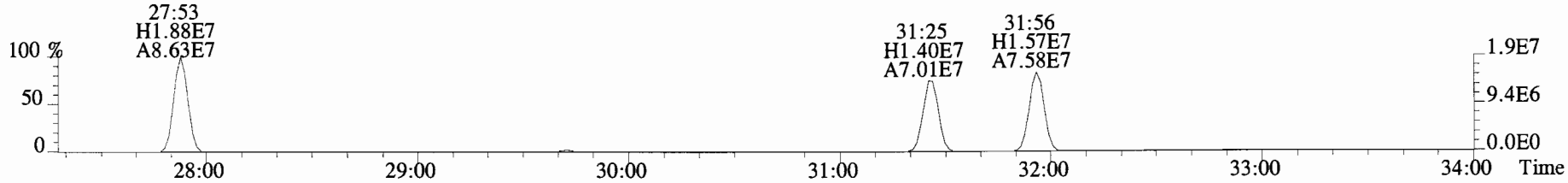

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5996.0,0.00%,F,F)



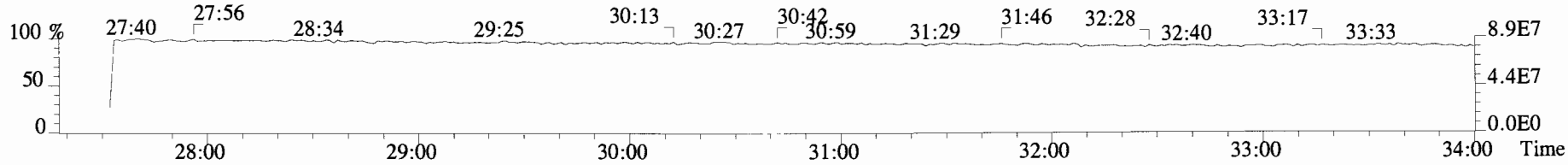

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22836.0,0.00%,F,F)



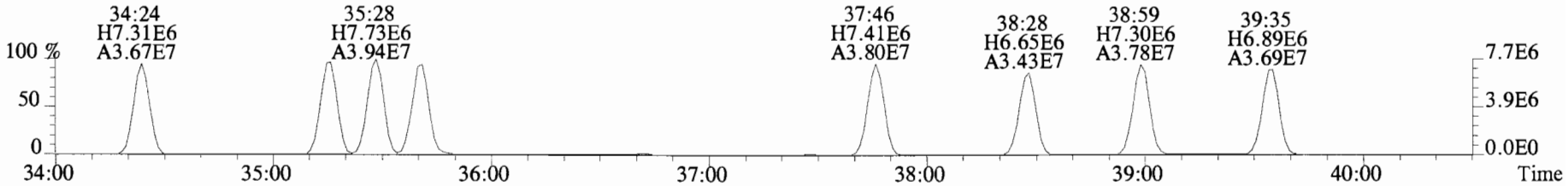

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17480.0,0.00%,F,F)



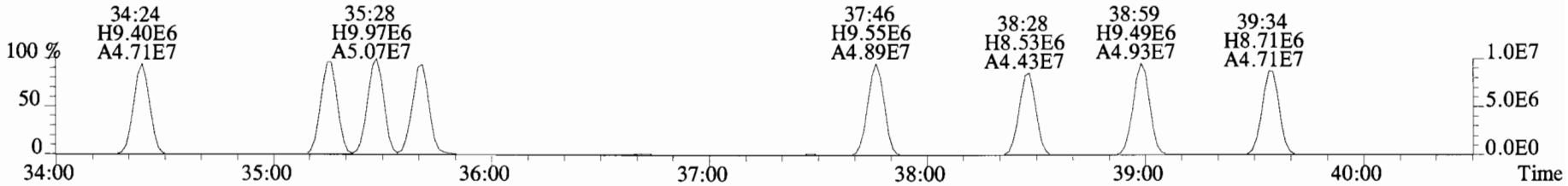

330.9792 S:8 F:3



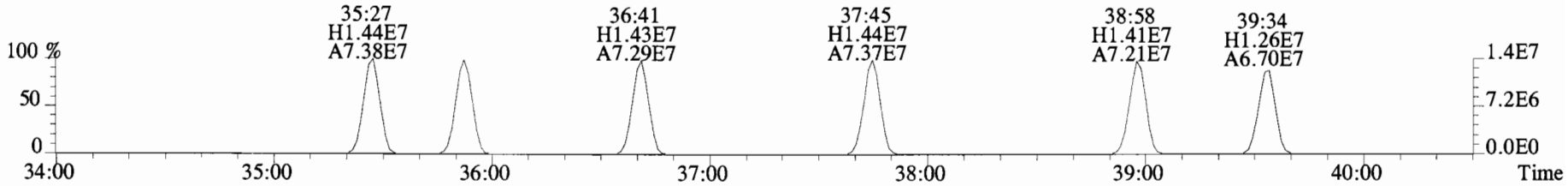
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5536.0,0.00%,F,F)



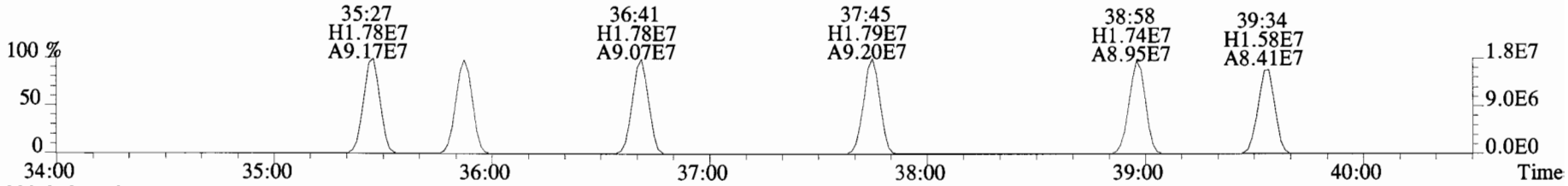

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5996.0,0.00%,F,F)



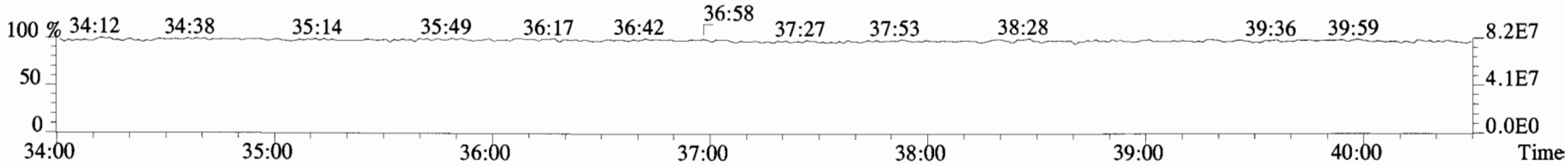

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22836.0,0.00%,F,F)



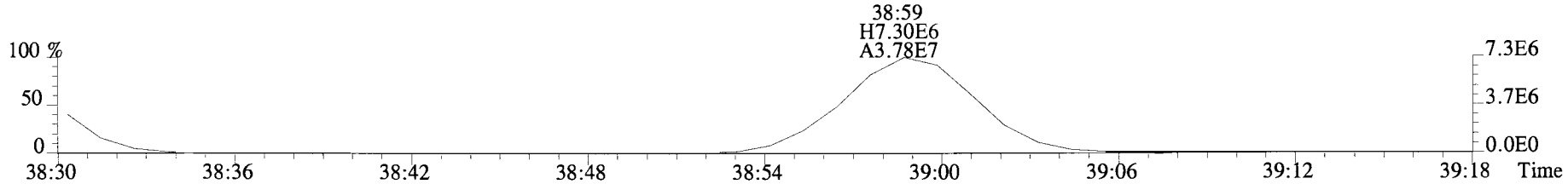

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17480.0,0.00%,F,F)



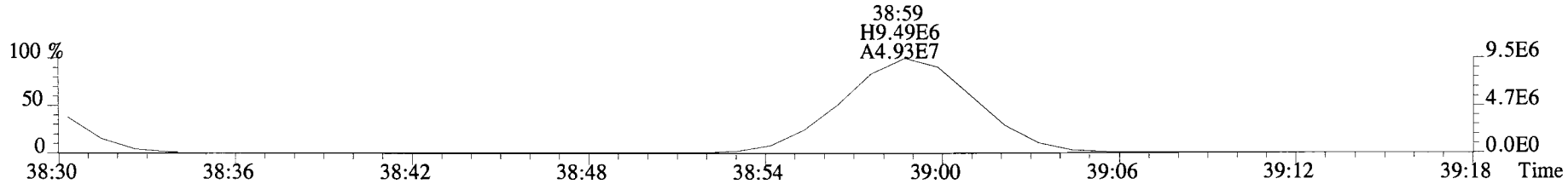

330.9792 S:8 F:3



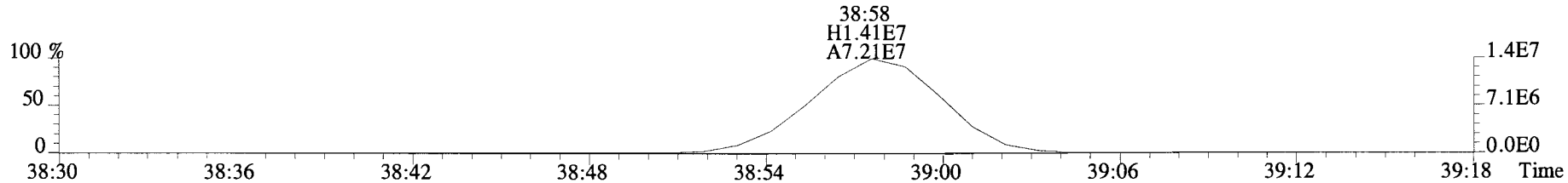
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
289.9224 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5536.0,0.00%,F,F)



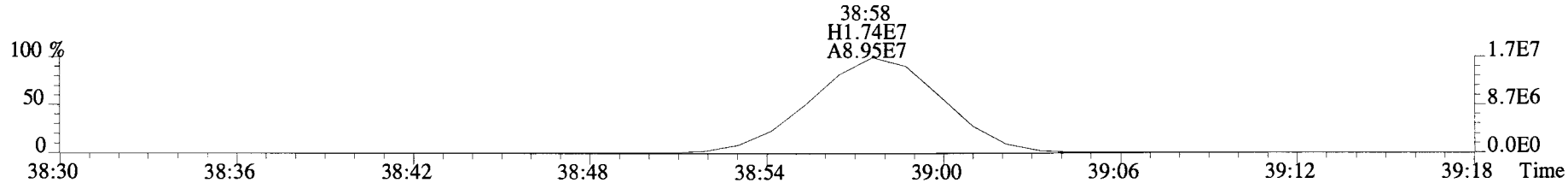

291.9194 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,5996.0,0.00%,F,F)



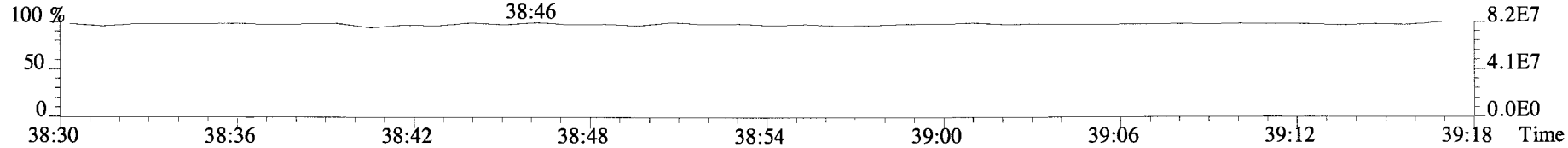

301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22836.0,0.00%,F,F)



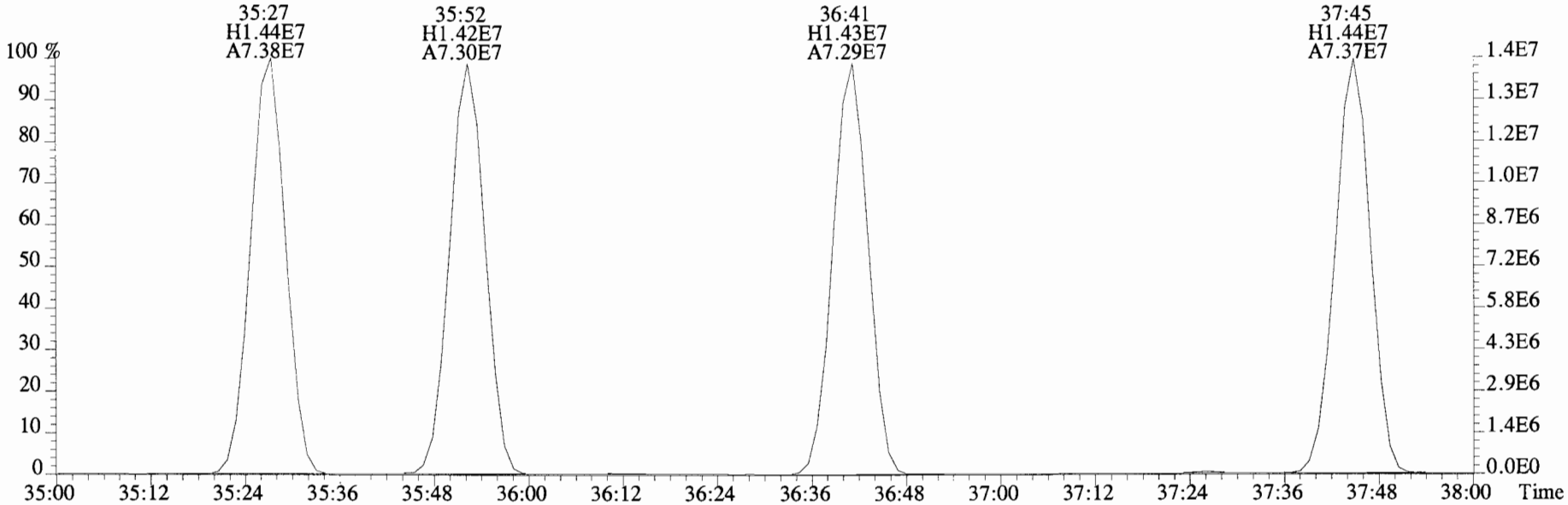

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17480.0,0.00%,F,F)



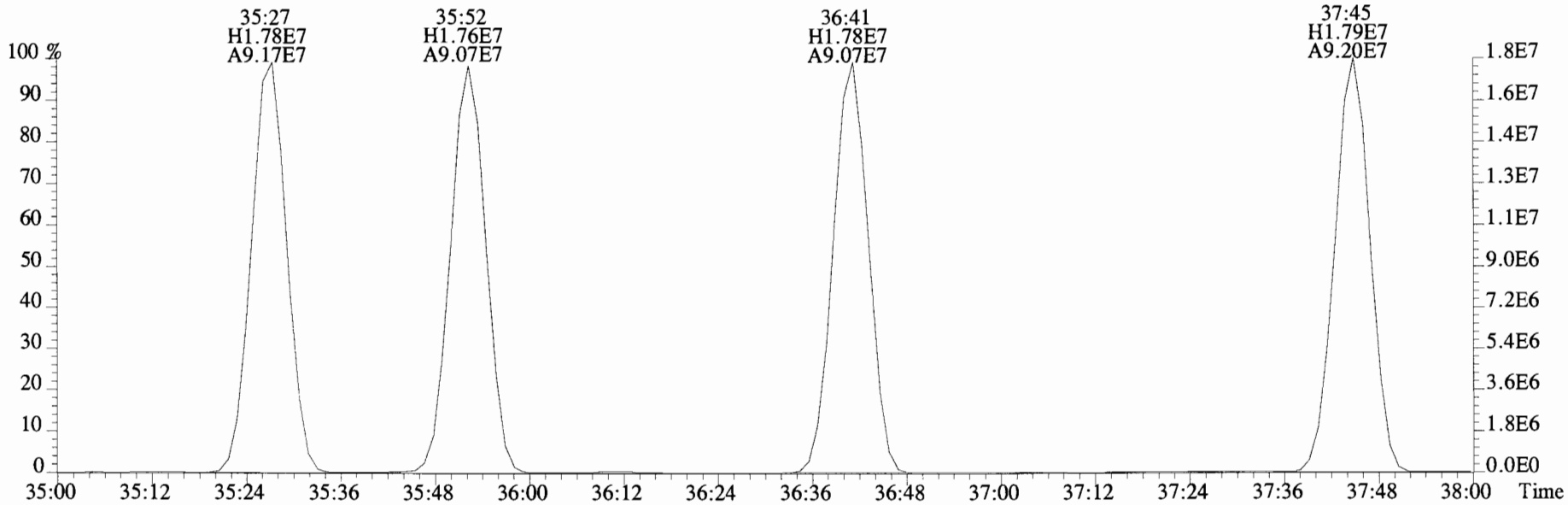

330.9792 S:8 F:3



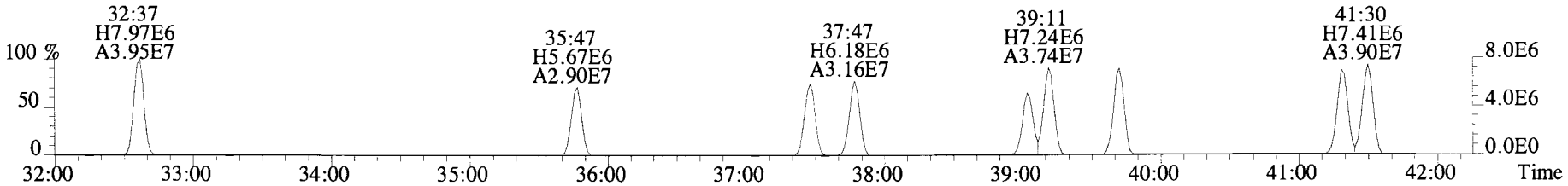
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
301.9626 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22836.0,0.00%,F,F)



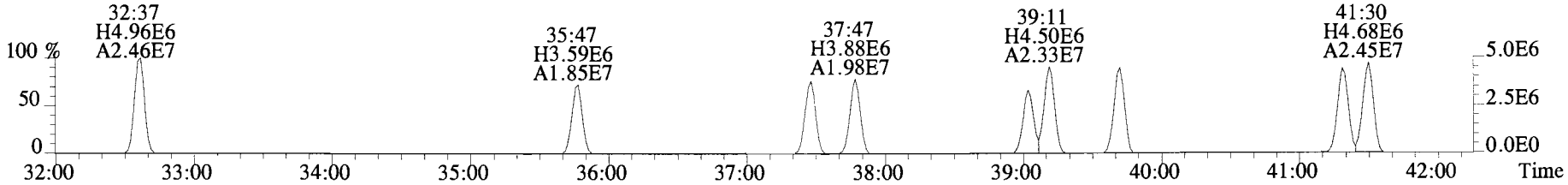

303.9597 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,17480.0,0.00%,F,F)



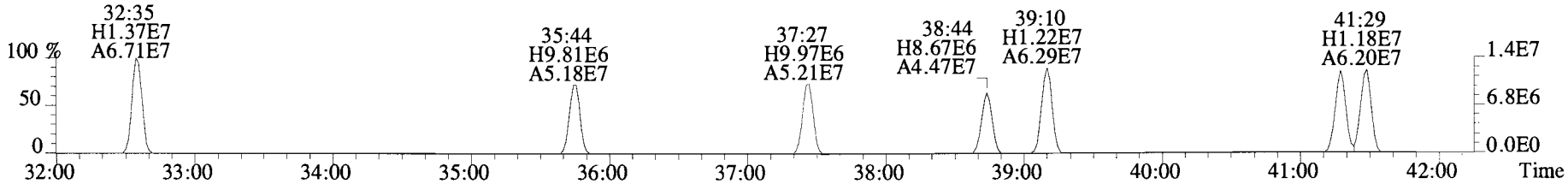
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
325.8804 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3280.0,0.00%,F,F)



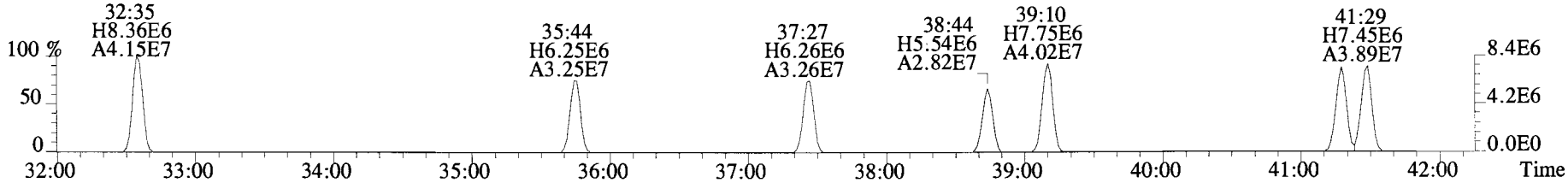

327.8775 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



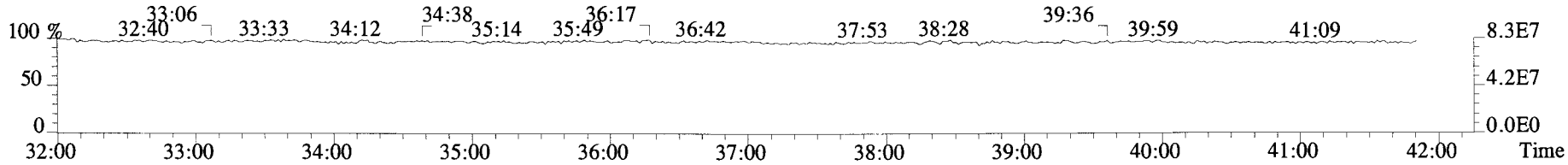

337.9207 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4504.0,0.00%,F,F)



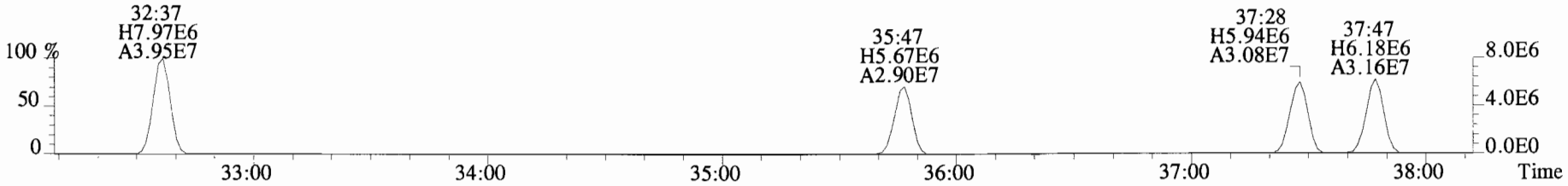

339.9177 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3496.0,0.00%,F,F)



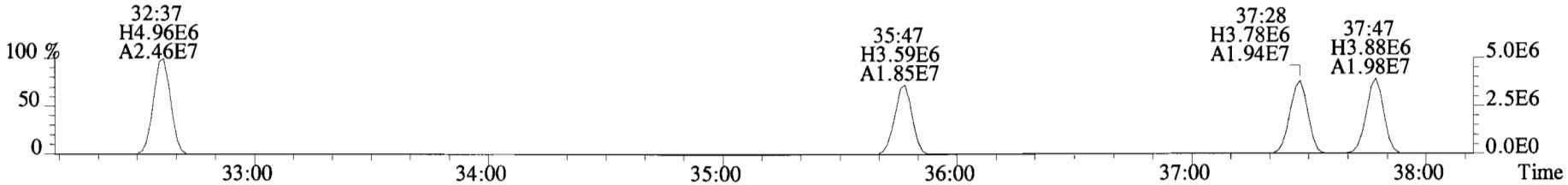

330.9792 S:8 F:3



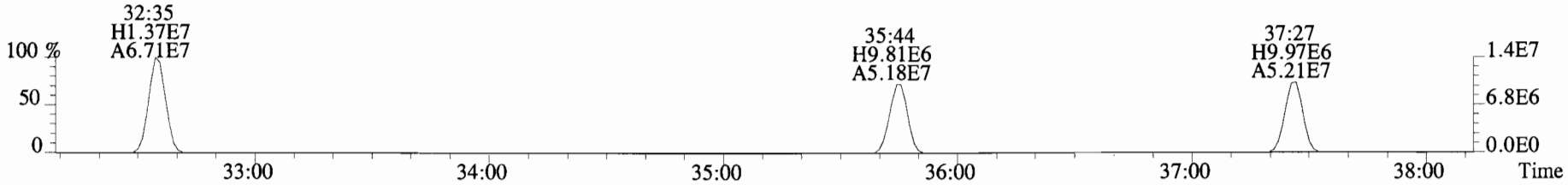
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
325.8804 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3280.0,0.00%,F,F)



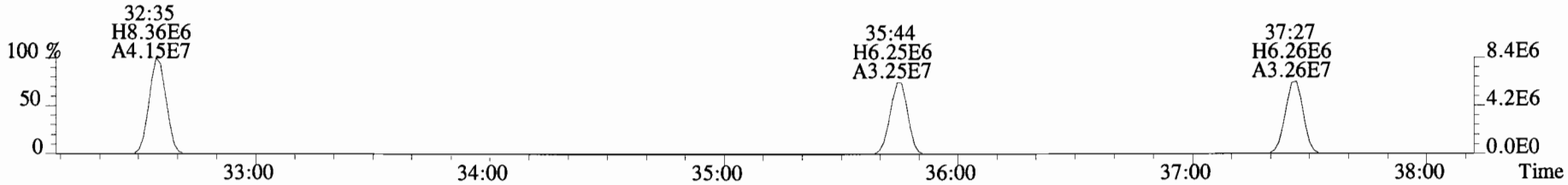

327.8775 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



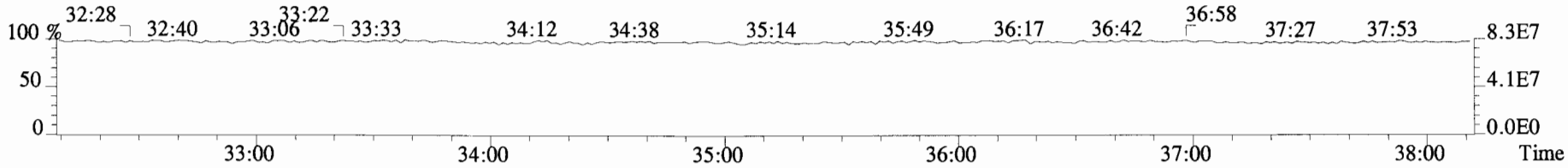

337.9207 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4504.0,0.00%,F,F)



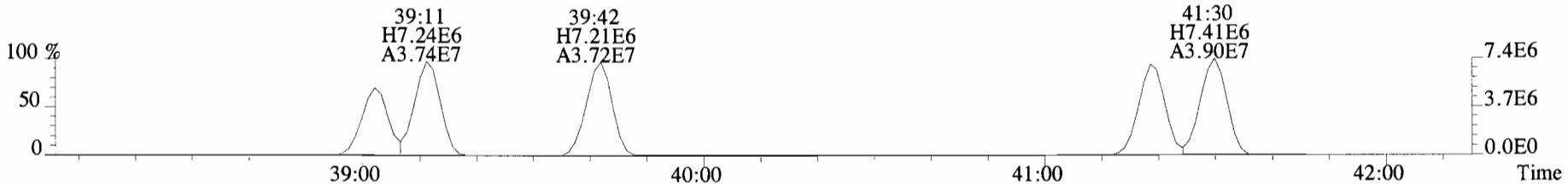

339.9177 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3496.0,0.00%,F,F)



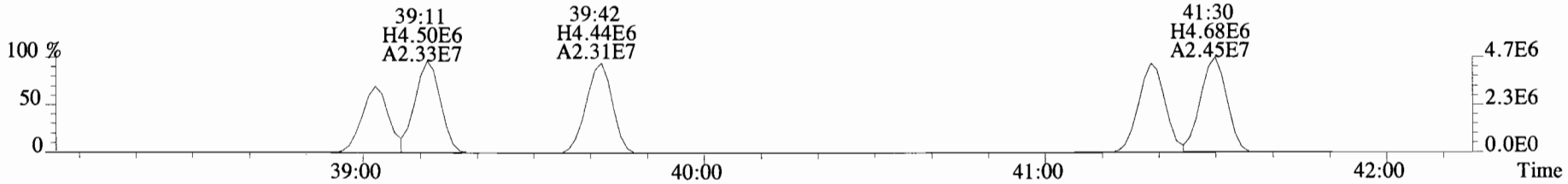

330.9792 S:8 F:3



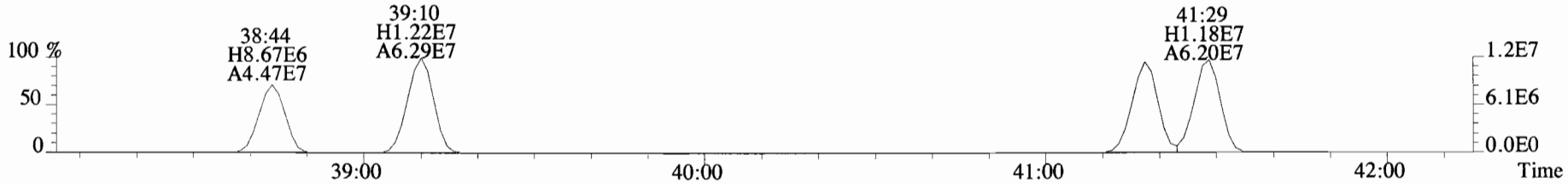
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
325.8804 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3280.0,0.00%,F,F)



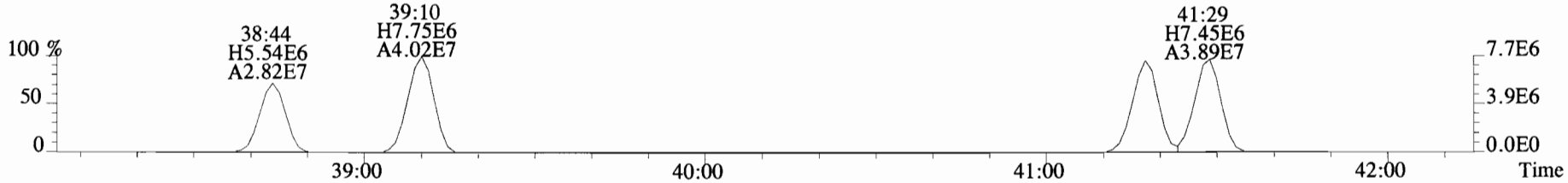

327.8775 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2316.0,0.00%,F,F)



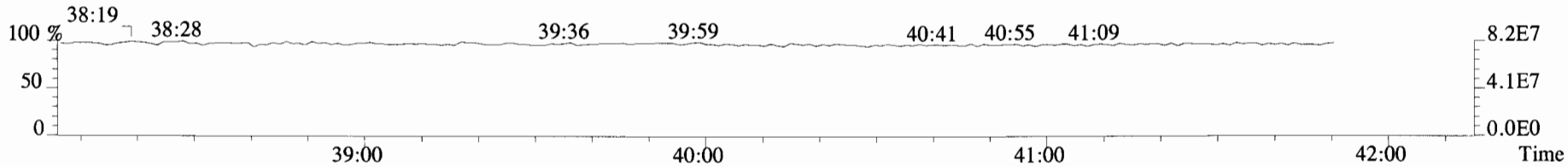

337.9207 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4504.0,0.00%,F,F)



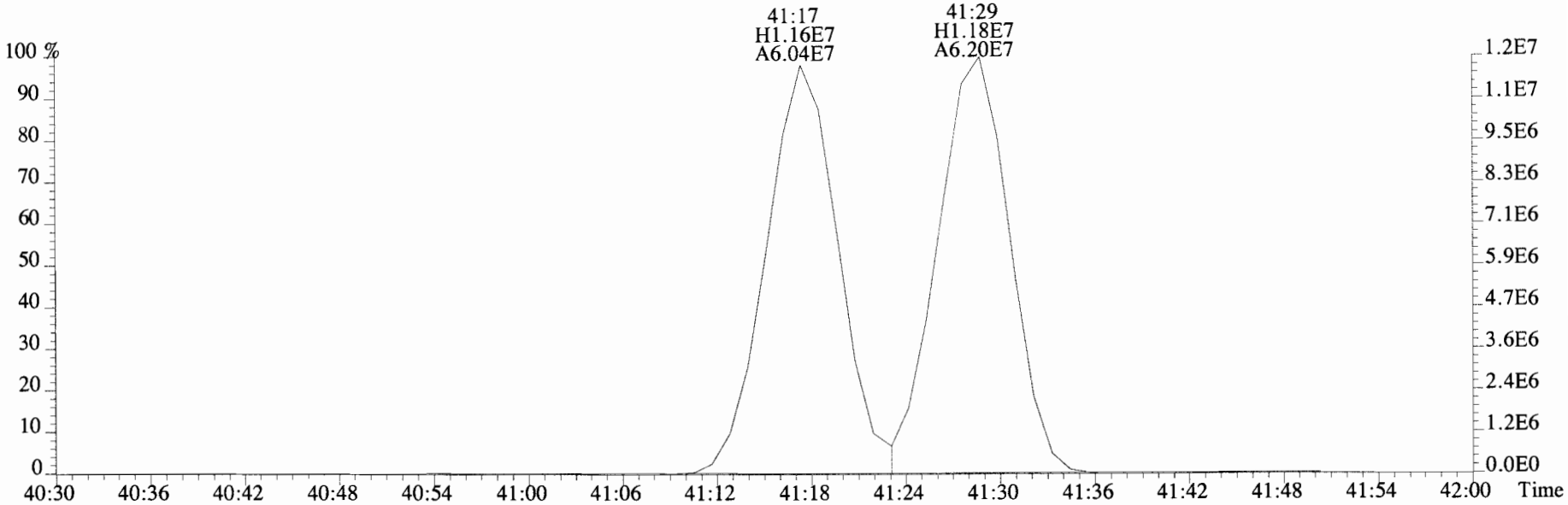

339.9177 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3496.0,0.00%,F,F)



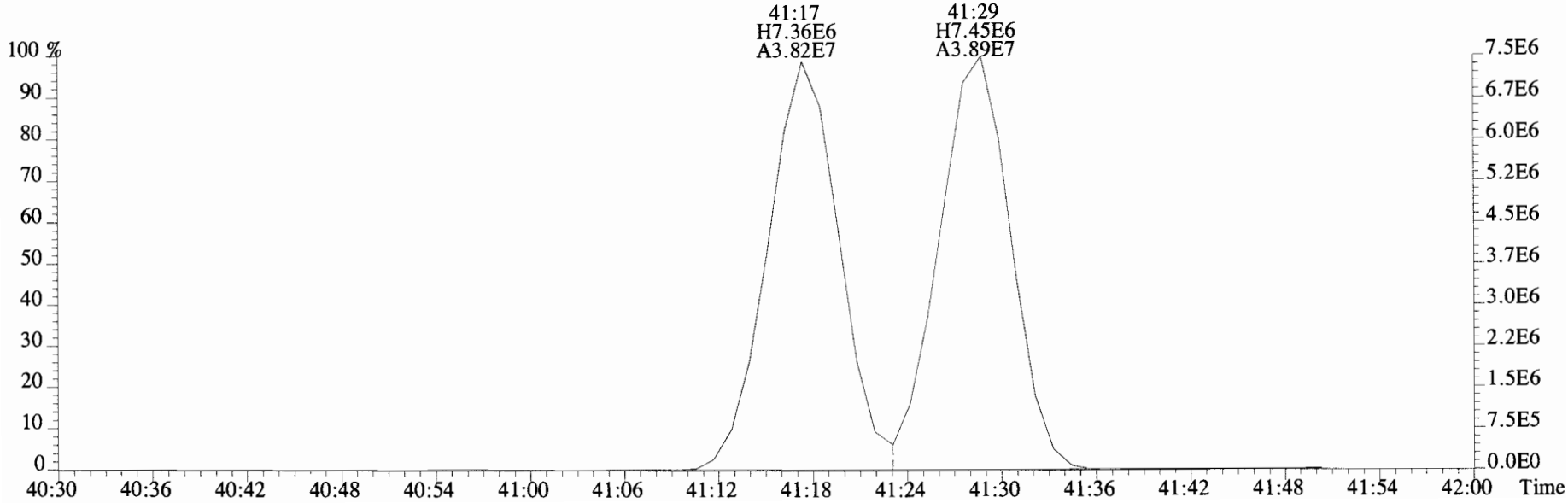

330.9792 S:8 F:3



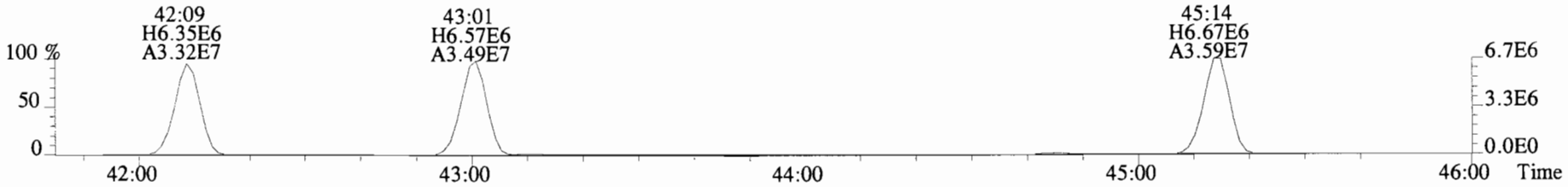
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
337.9207 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4504.0,0.00%,F,F)



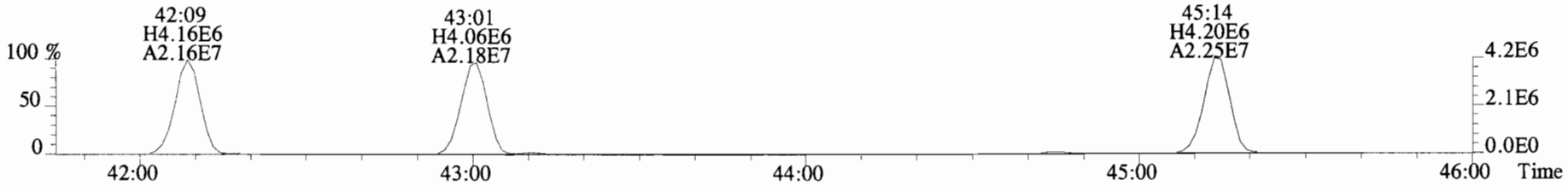

339.9177 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3496.0,0.00%,F,F)



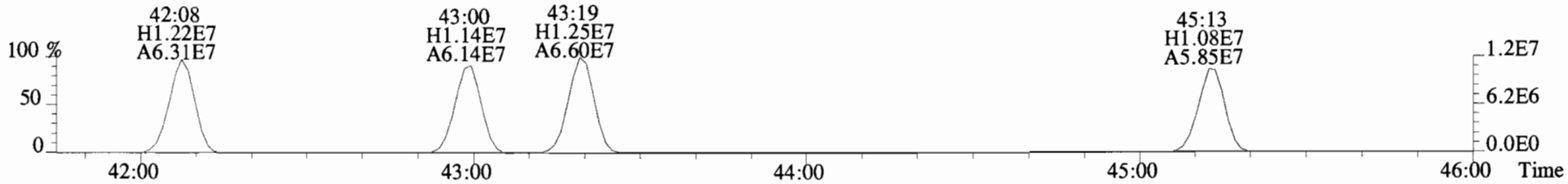
File:180208E1 #1-574 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
325.8804 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6988.0,0.00%,F,F)



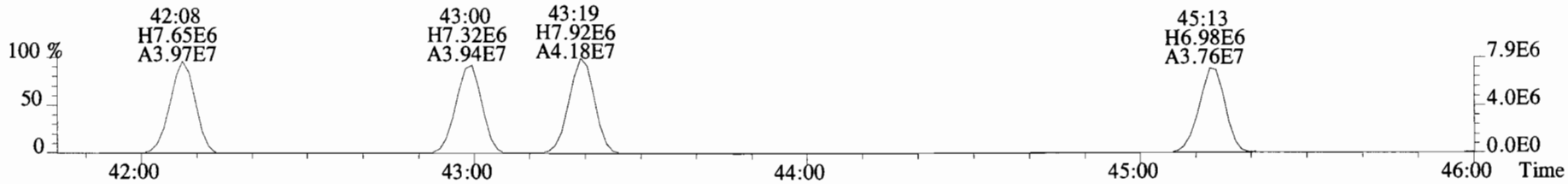

327.8775 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6008.0,0.00%,F,F)



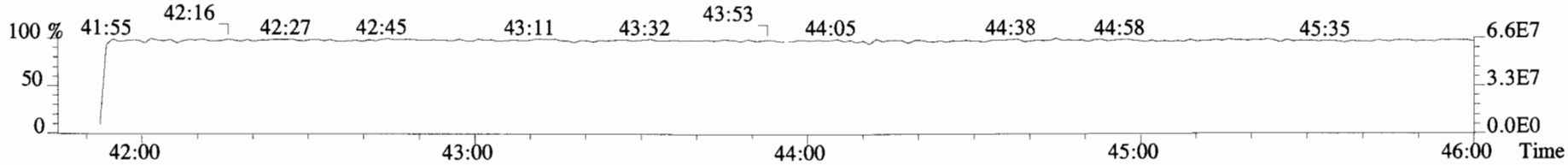

337.9207 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9960.0,0.00%,F,F)



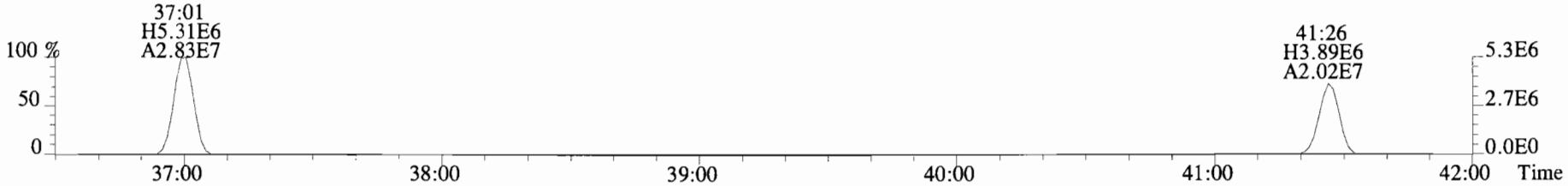

339.9177 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6616.0,0.00%,F,F)



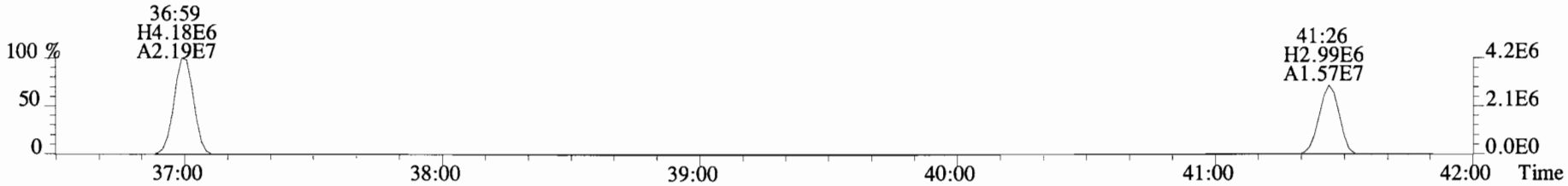

380.9760 S:8 F:4



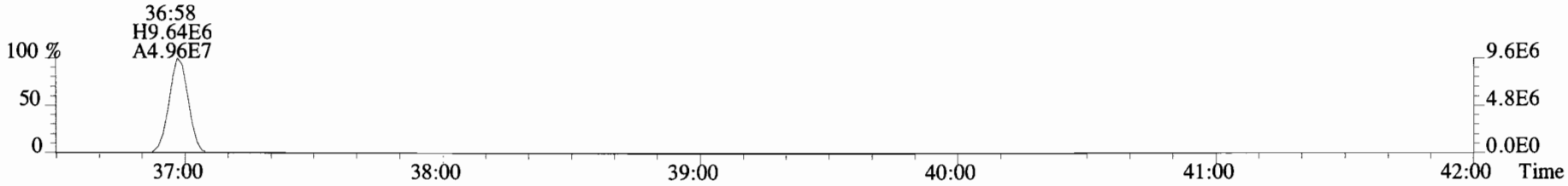
File:180208E1 #1-756 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
359.8415 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2400.0,0.00%,F,F)



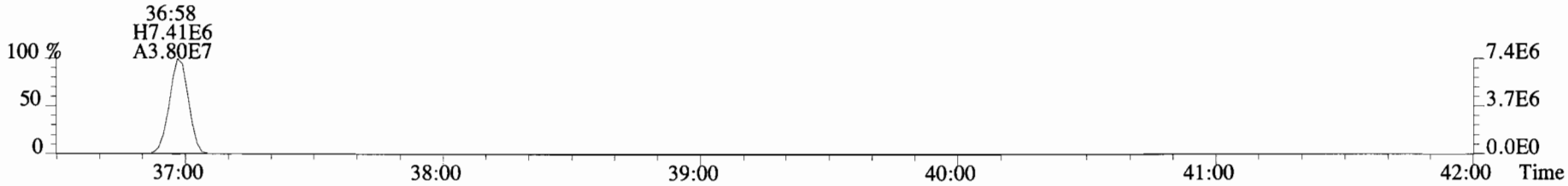

361.8385 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2264.0,0.00%,F,F)



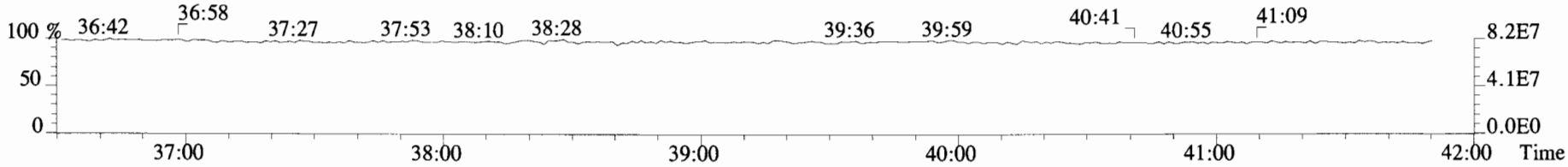

371.8817 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2372.0,0.00%,F,F)



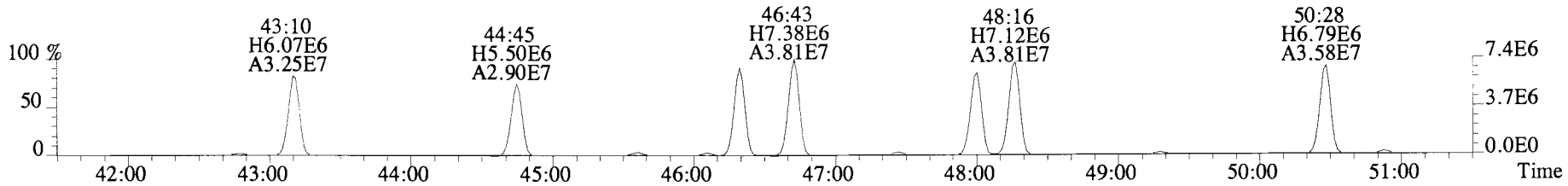

373.8788 S:8 F:3 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2472.0,0.00%,F,F)



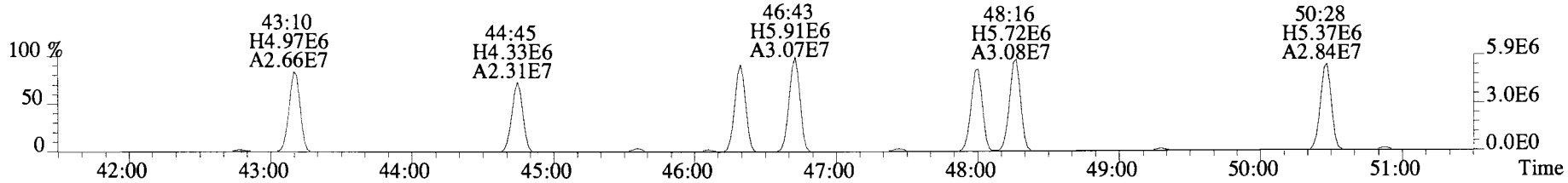

330.9792 S:8 F:3



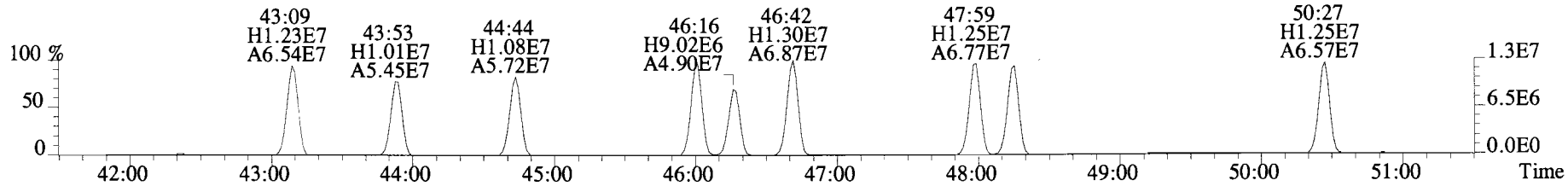
File:180208E1 #1-574 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
359.8415 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10208.0,0.00%,F,F)



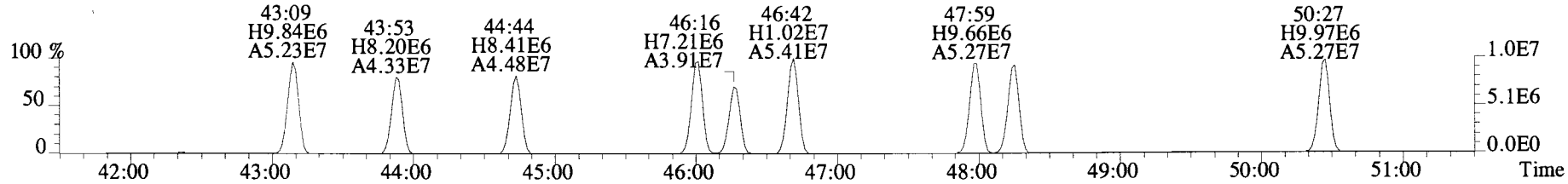

361.8385 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,8204.0,0.00%,F,F)



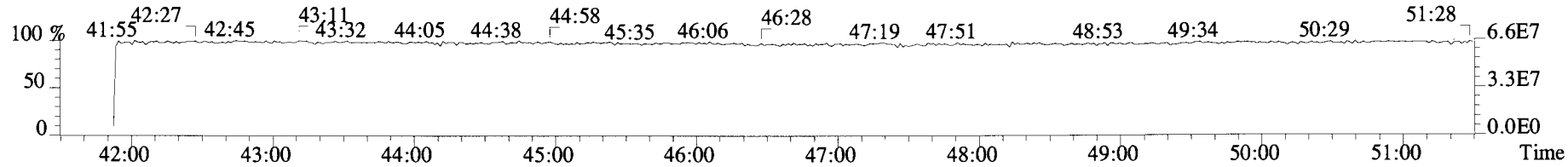

371.8817 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15668.0,0.00%,F,F)



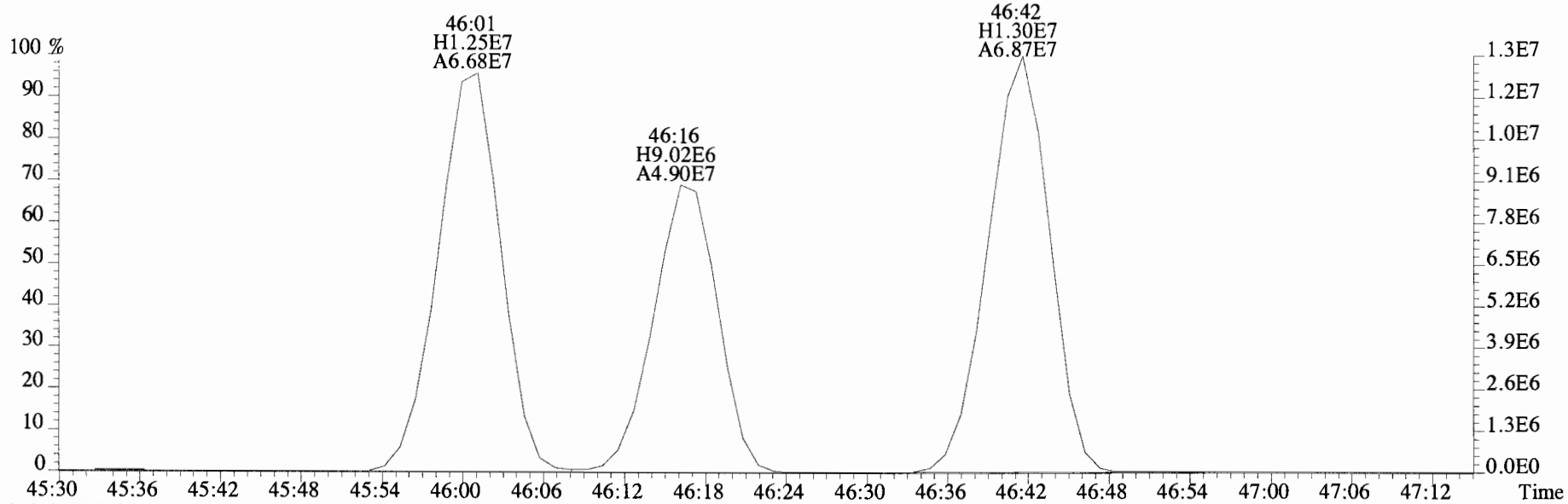

373.8788 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12352.0,0.00%,F,F)



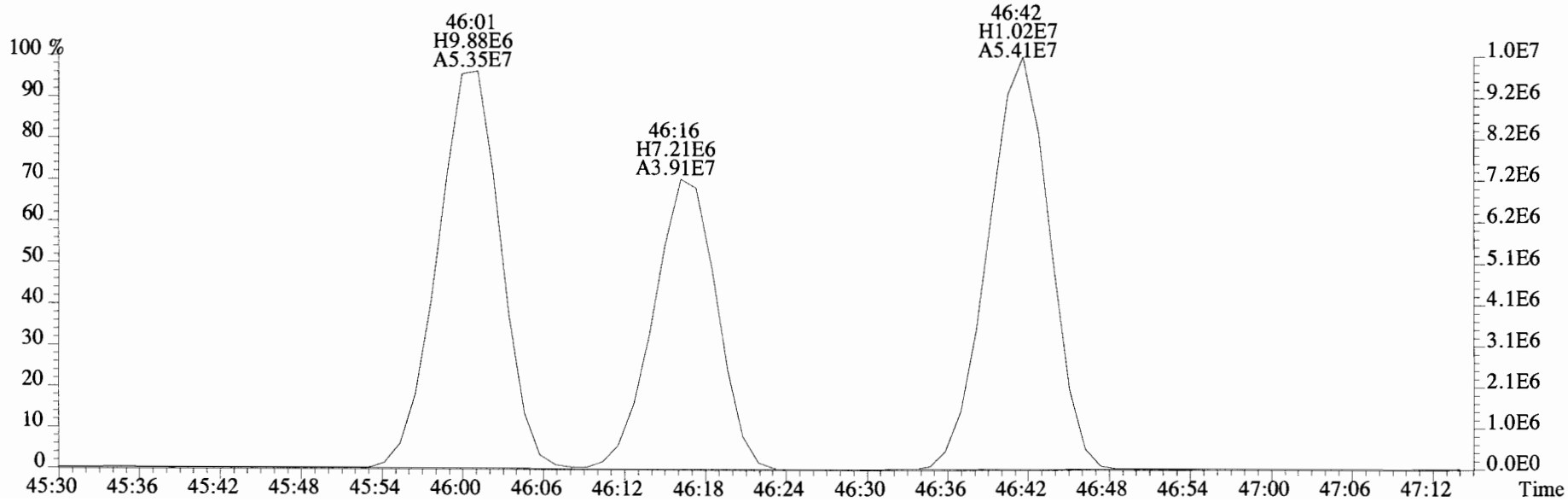

380.9760 S:8 F:4



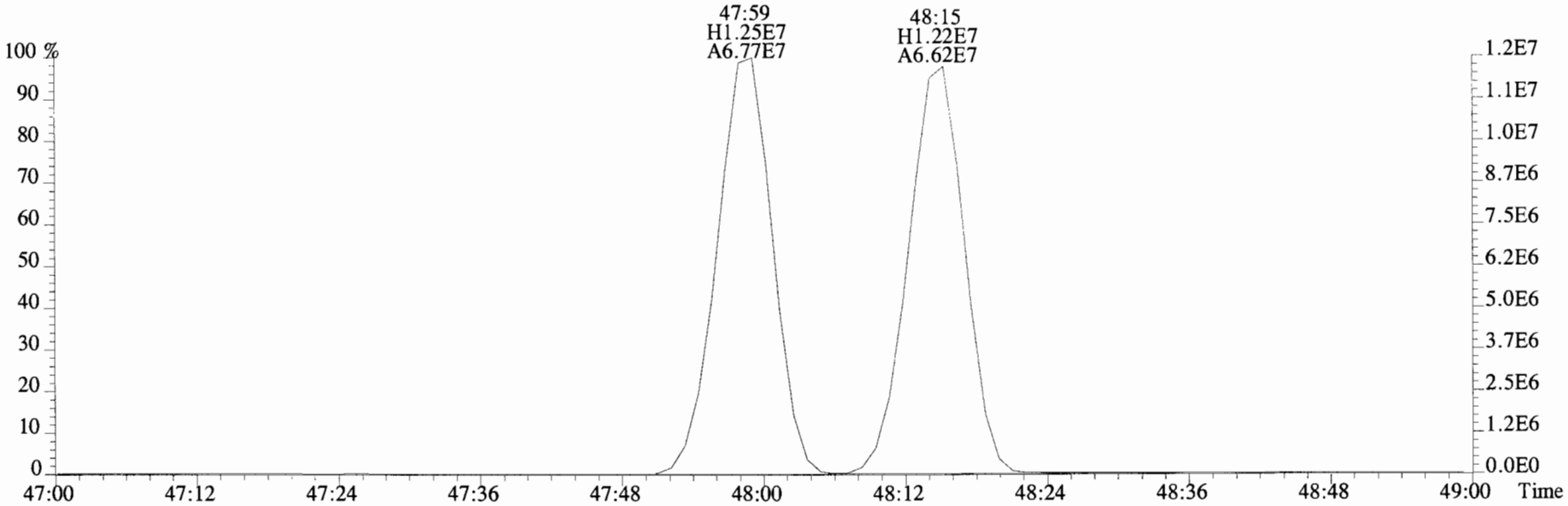
File:180208E1 #1-574 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
371.8817 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15668.0,0.00%,F,F)



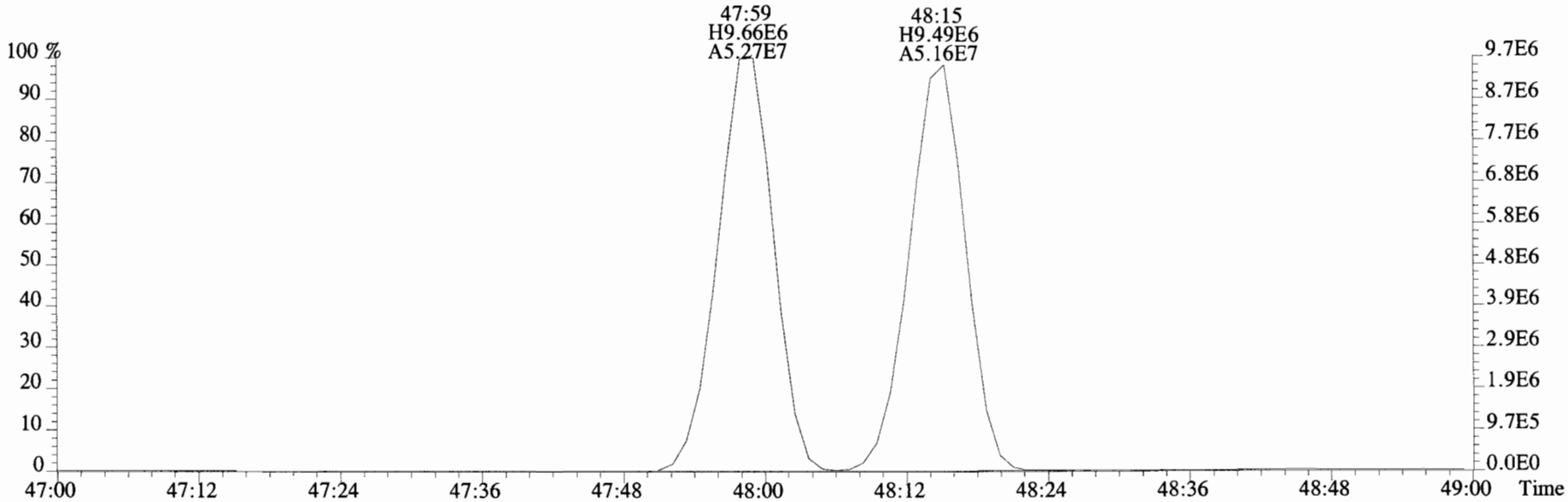

373.8788 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12352.0,0.00%,F,F)



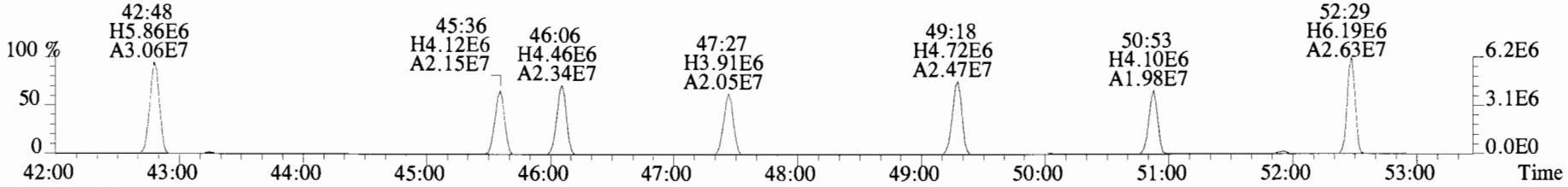
File:180208E1 #1-574 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
371.8817 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,15668.0,0.00%,F,F)



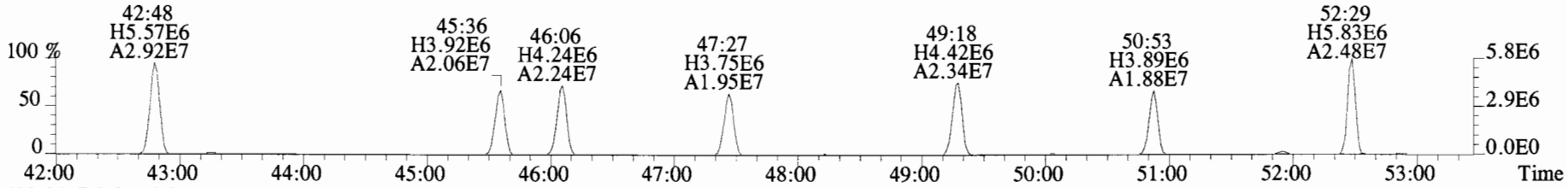

373.8788 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,12352.0,0.00%,F,F)



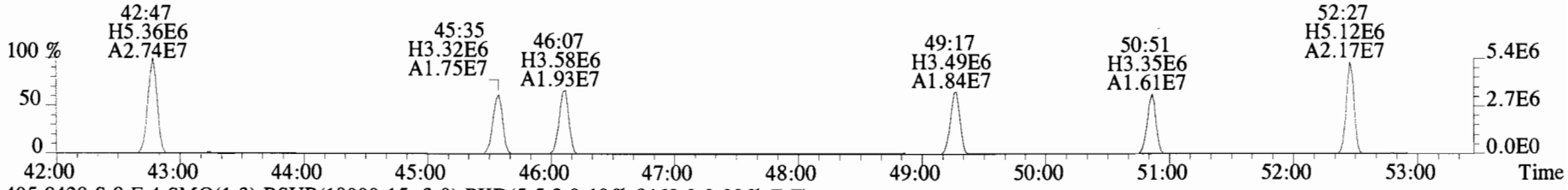
File:180208E1 #1-574 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
393.8025 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4876.0,0.00%,F,F)



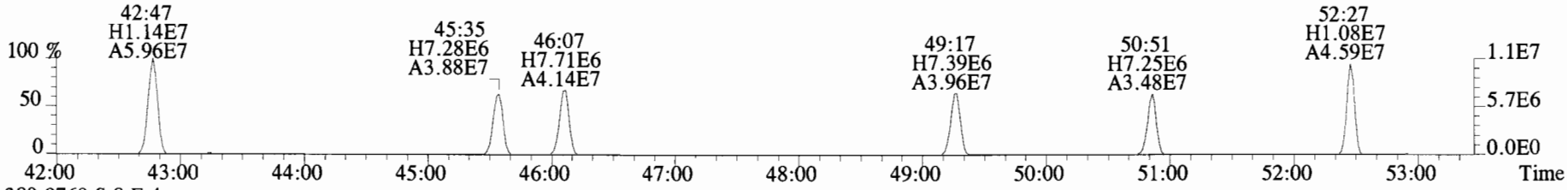

395.7995 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4536.0,0.00%,F,F)



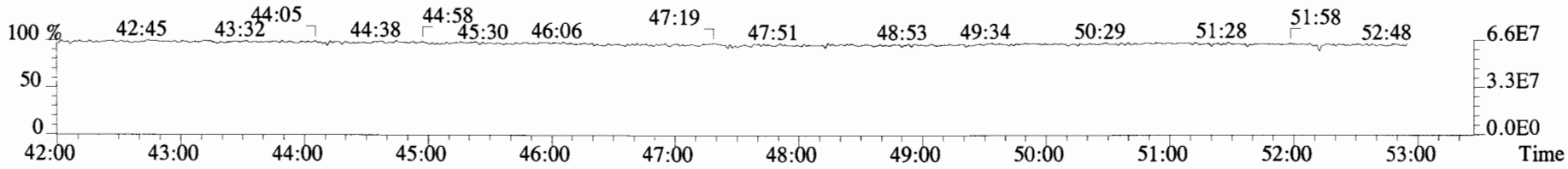

403.8457 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4184.0,0.00%,F,F)



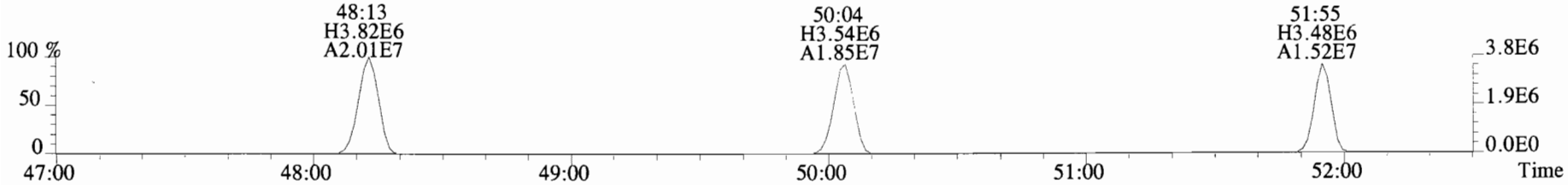

405.8428 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,9460.0,0.00%,F,F)



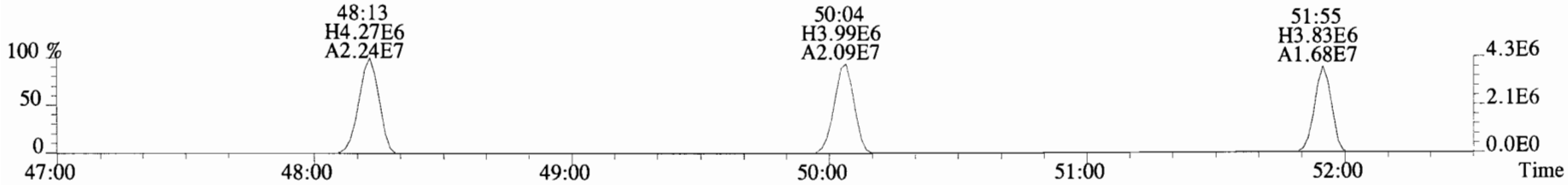

380.9760 S:8 F:4



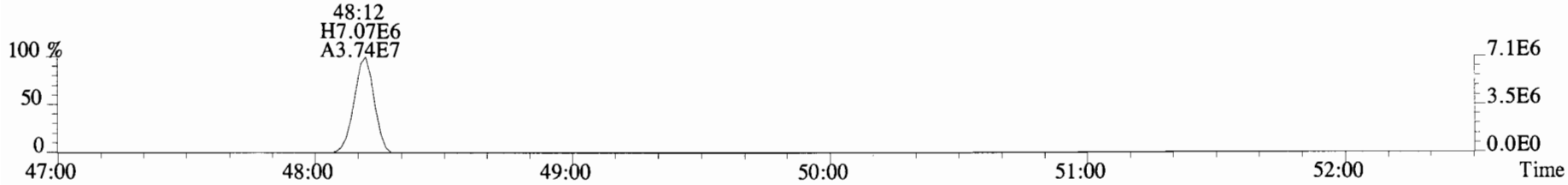
File:180208E1 #1-574 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
427.7635 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1952.0,0.00%,F,F)



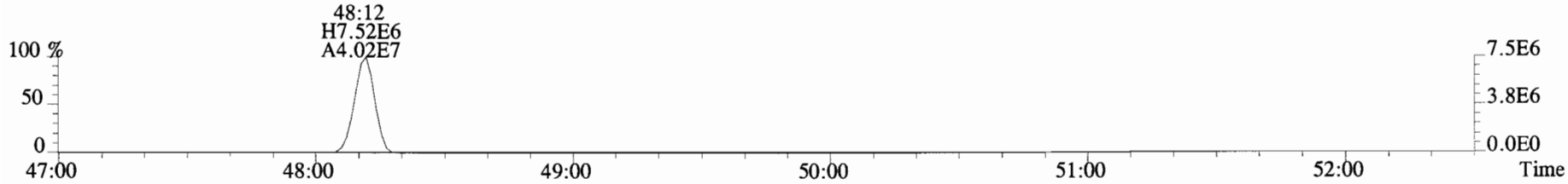

429.7606 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)



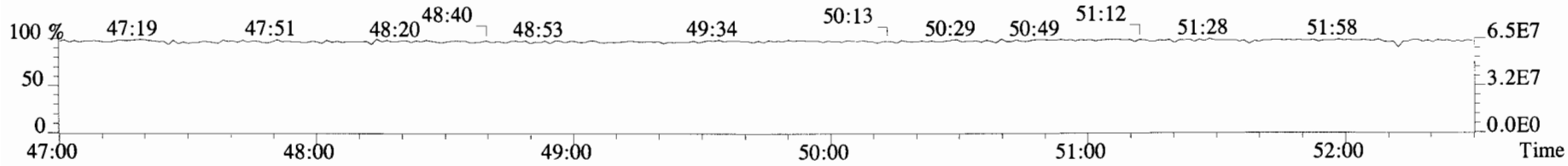

439.8038 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,1928.0,0.00%,F,F)



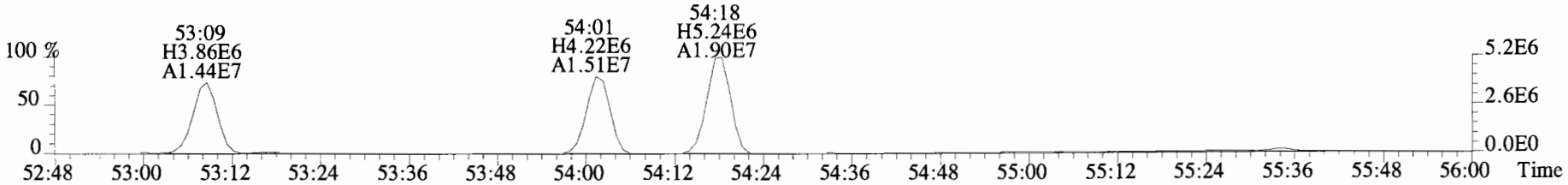

441.8008 S:8 F:4 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2652.0,0.00%,F,F)



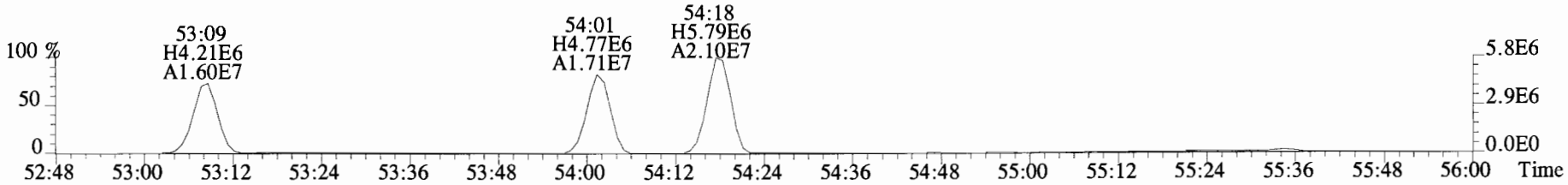

380.9760 S:8 F:4



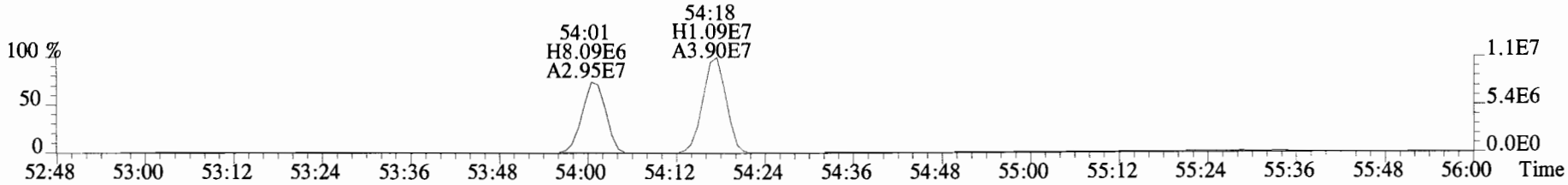
File:180208E1 #1-407 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
427.7635 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,3512.0,0.00%,F,F)



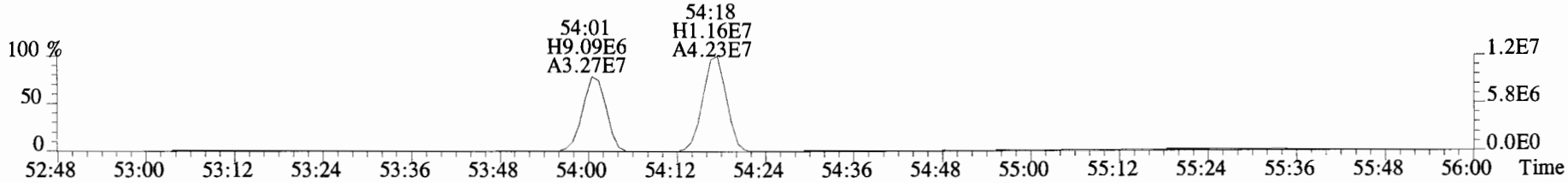

429.7606 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,4544.0,0.00%,F,F)



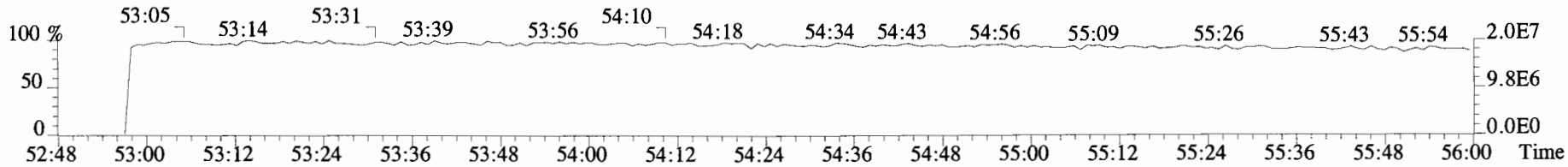

439.8038 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,6132.0,0.00%,F,F)



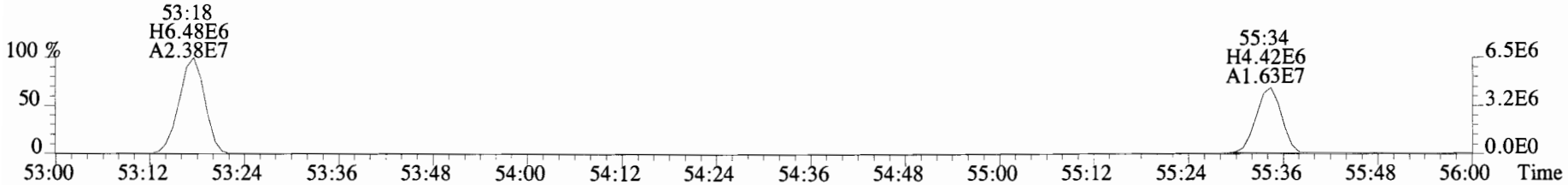

441.8008 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,7204.0,0.00%,F,F)



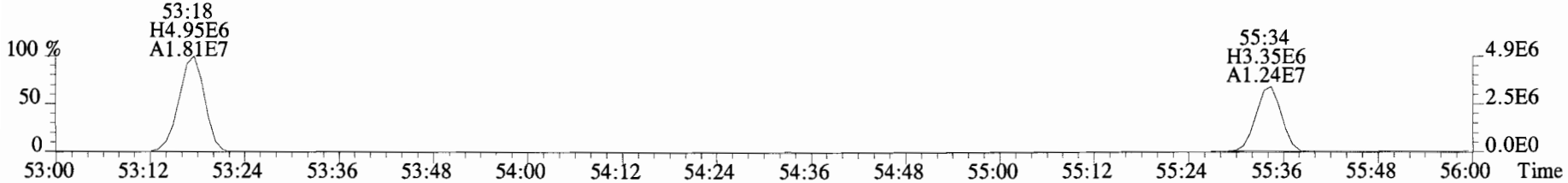

492.9697 S:8 F:5



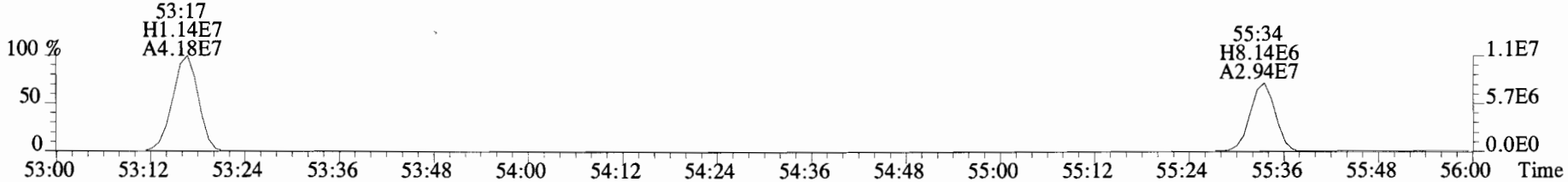
File:180208E1 #1-407 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
463.7216 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,14504.0,0.00%,F,F)



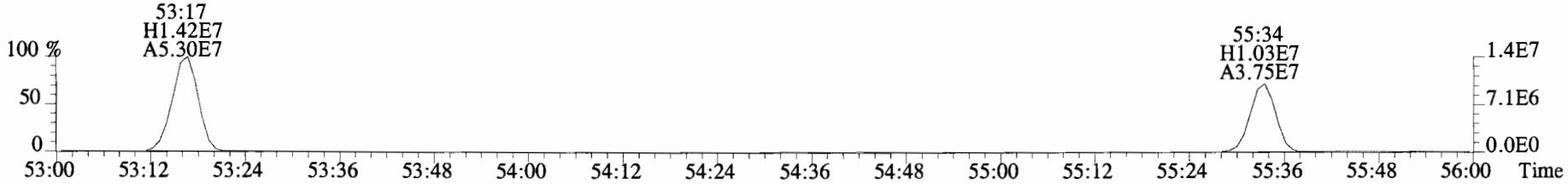

465.7186 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,10256.0,0.00%,F,F)



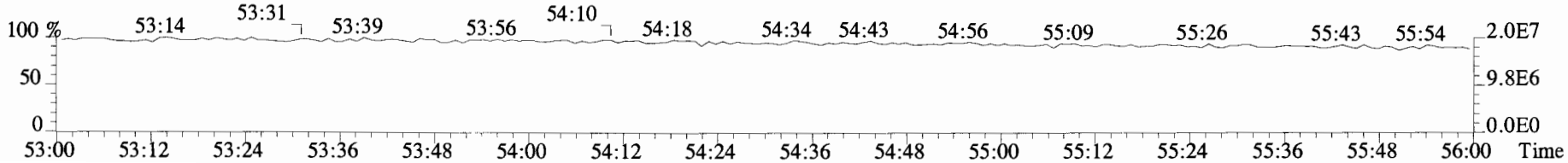

473.7648 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,22068.0,0.00%,F,F)



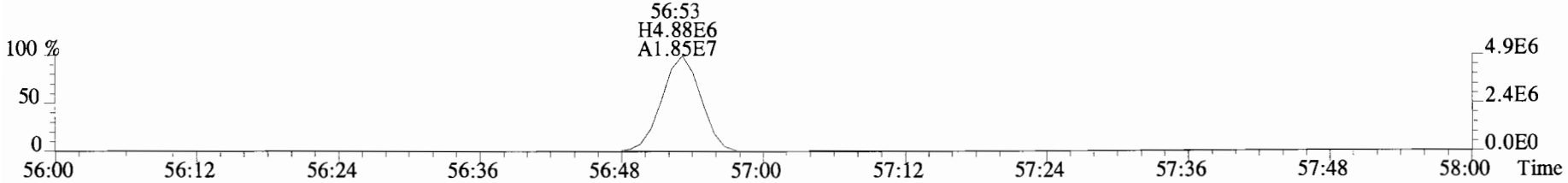

475.7619 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,29456.0,0.00%,F,F)



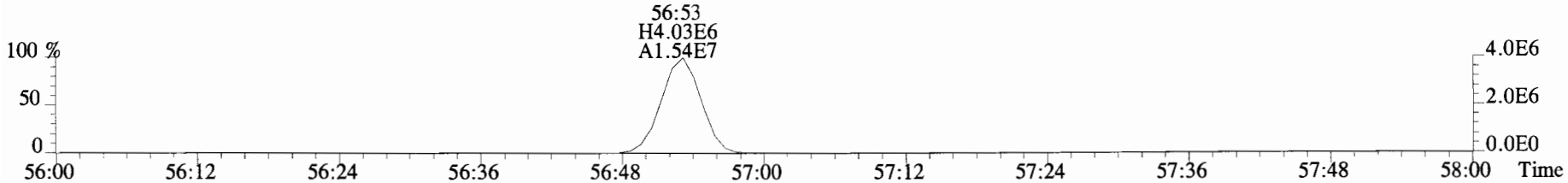

492.9697 S:8 F:5



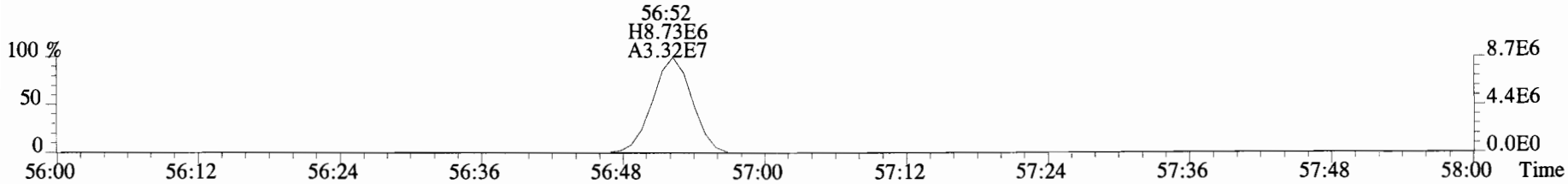
File:180208E1 #1-407 Acq: 8-FEB-2018 16:10:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG-8 Text:SS180208E1-1 PCB SSS 17C1025 Exp:PCB_ZB1
497.6826 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2112.0,0.00%,F,F)



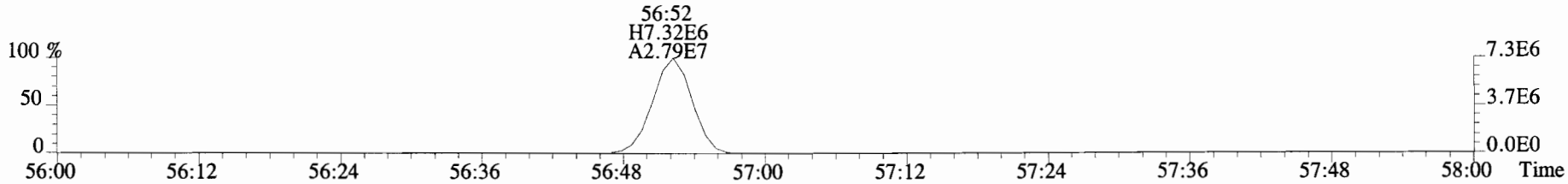

499.6797 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2128.0,0.00%,F,F)

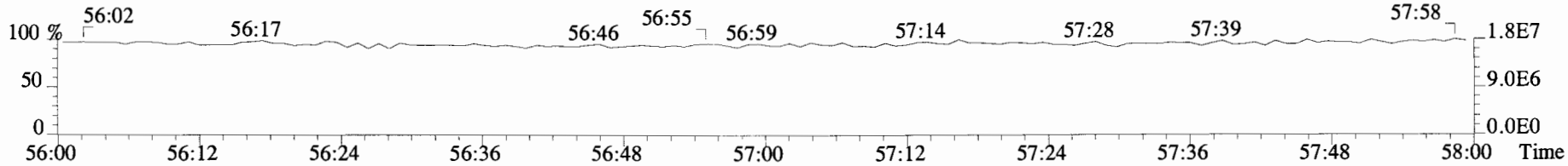



509.7229 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2144.0,0.00%,F,F)




511.7199 S:8 F:5 SMO(1,3) BSUB(10000,15,-3.0) PKD(5,5,2,0.10%,2148.0,0.00%,F,F)




492.9697 S:8 F:5