STATEMENT OF TECHNICAL REVIEW

Performance Work Statement for Environmental Remediation Services Landfills 2 and 3 Fort Leonard Wood, Missouri and Hanley Area Former St. Louis Ordnance Plant, Missouri

Vapor Intrusion Assessment, St. Louis Ordnance Plant, Former Hanley Area,

The Conti/CH2M HILL Team has completed the technical review of the Final submittal of the Community Involvement Plan. Notice is hereby given that an independent technical review has been conducted that is appropriate to the level of risk and complexity inherent in the project, as defined in the Quality Control Plan. During the independent technical review, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of assumptions; methods, procedures and material used in analyses; the appropriateness of data used and level of data obtained; and reasonableness of the results including whether the product meets the customer's needs consistent with the law and existing USACE policy.

Technical Reviewer	Signature	Date of Review
Catherine Barnett		June 30, 2008

Quality Control System Manager (for QCP) or Project Manager	ITR Leader
Luis Seijido	Catherine Barnett
Signature	Signature

40331129

Vapor Intrusion Assessment, St. Louis Ordnance Plant, Former Hanley Area, St. Louis, Missouri

PREPARED FOR: U.S. Army Corps of Engineers,
Kansas City District
Contract No. W912D05-D-002
Delivery Order No. 0007

PREPARED BY: CH2M HILL

DATE: June 30, 2008

1. Introduction

The purpose of this technical memorandum is to summarize the actions performed to assess the potential vapor intrusion pathway at residences located immediately north of the St. Louis Ordnance Plant (SLOP), Former Hanley Area (site). The site is located on the western boundary of the St. Louis, Missouri, city limits approximately 0.25 mile south of the intersection of Interstate 70 and Goodfellow Boulevard (Figure 1). The property is currently owned by the U.S. Army Reserve 89th Regional Readiness Command (RRC; Army).

2. Objective

The objective of the vapor intrusion assessment was to determine if there was potential for vapor intrusion in residences north of the SLOP site. The contaminants of interest for the vapor intrusion assessment are chlorinated volatile organic compounds (cVOCs) identified in groundwater at the site. The cVOCs of interest are tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-DCE, vinyl chloride, and 1,2-dichloroethane (1,2-DCA), also known as ethylene dichloride.

3. Background and Approach

The SLOP operated from 1941 to 1945 as a small arms ammunition production facility. The ordnance plant primarily produced .30- and .50-caliber ammunition. A Phase I remedial investigation (RI), concluded in February 2005, confirmed localized metals contamination in the surface soil and cVOC contamination in groundwater in the vicinity of former Building 220, which is located adjacent to Stratford Avenue.

The U.S. Army Corps of Engineers (USACE) Kansas City District performed additional soil and groundwater sampling at the former Building 220 area and on public right-of-ways across Stratford Avenue in order to characterize the nature and extent of volatile organic compound (VOC) contamination in groundwater. The results of the Phase II efforts confirmed VOC contamination in soil and groundwater at the former Building 220 area above established state and federal screening levels. In addition, contaminated groundwater with VOC concentrations exceeding federal maximum contaminant levels (MCLs) was found to be moving offsite to the northeast.

To determine if VOC-contaminated groundwater was affecting nearby residence, this vapor intrusion assessment was conducted. Using existing groundwater data and groundwater flow information, the investigation was focused on three residences on [redacted] and two residences on [redacted] The vapor intrusions assessment was conducted to measure soil gas, groundwater, and indoor air concentrations of cVOC contaminants and to assess the associated risk, if any. Sample locations identified in the vapor intrusion work plan (CH2M HILL and Conti 2008) are shown on Figure 2. Samples collected (Figure 3) were compared to conservative risk-based screening levels based on the residential exposure scenario. Screening levels for each media are described below.

3.1 Soil Gas

Soil gas results were to be compared with screening levels from the Missouri Risk-Based Corrective Action (MRBCA) technical guidance (MDNR 2006) for clayey soils.

3.2 Groundwater

For groundwater, the screening levels as defined in the vapor intrusion work plan (CH2M HILL and Conti 2008) are the USEPA MCLs for groundwater and drinking water (USEPA 2003). These screening levels provide an evaluation of the potential risks associated with chemicals in groundwater.

3.3 Ambient Air

Indoor air and outdoor air results were to be compared with USEPA Region VI medium-specific screening levels (MSSLs) for ambient air (USEPA 2008) as described in the vapor intrusion work plan (CH2M HILL and Conti 2008). According to Bill Pedicino at USEPA Region VII, a range of TCE concentrations from 1 to 10 micrograms per cubic meter ($\mu g/m^3$) currently is used by USEPA Region VII as concentrations at which risk may exist. Mr. Pedicino also stated that USEPA Region VII typically concludes that TCE concentrations at or below 1 $\mu g/m^3$ do not pose an unacceptable risk; therefore, the screening level for TCE has been established at 1 $\mu g/m^3$ as a result of a discussion between the Army and Missouri Department of Natural Resources (MDNR) held on April 22, 2008. According to Mr. Pedicino, TCE was the primary indicator for evaluating risk of the cVOCs listed in Section 2.

4. Sampling Activities

Field activities centered around three residences on [redacted] and two residences on [redacted]). Field activities included soil gas sampling, groundwater grab sampling, soil logging, and indoor air sampling. Notes from the field activities, including the field logbook and data quality control reports (DQCRs) are in Attachment A and photographs in Attachment B, provided on compact disk (CD). The details about sampling activities are described below.

4.1 Soil Gas

Soil gas samples were to be collected from each side of the five residences, for up to a total of 19 sample locations. Several attempts were made to collect soil gas samples from the south side of [redacted]. The tight expansive clays prevented air from being drawn through the soil. When the system was set up, the pump would only draw a vacuum,

with no flow noted. If flow was noted, the system would fail the helium leak test. After multiple failed attempts, it was determined that the soil type (expansive clays) had prevented soil gas from being drawn into the sample container. The system failed at the connection of the post-run tubing (PRT) fitting, because the vacuum was so great that the fitting would fail at the O-ring. Measures were taken to prevent the failure and sample collection was re-attempted, but no drop in vacuum was noted in the sample canister (indicative of no flow). After three failed attempts, the sampling activities on the south side of [redacted] were abandoned.

Collection of a second soil gas sample was attempted on the west side of [redacted] The first sample location and two successive offsets produced the same results as the sample locations on the south side. Either the system would fail the helium leak test or there would be no flow. The sample locations on the west side were abandoned.

Collection from a third soil sample location was attempted on the east side of [redacted]. The sample location and one offset were advanced with the same results as above. The sample locations were then abandoned.

After deliberation with USACE and MDNR on March 21, 2008, it was determined that soil gas could not be collected at the site due to tight expansive clays. No soil gas samples were collected.

4.2 Groundwater

Three groundwater grab samples were to be collected from the south side of [redacted] and the west side of [redacted]. Groundwater was expected to be at approximately 7 to 10 feet below ground surface (bgs). Samples were to be collected with a screen point sampler if water was present, or a 1-inch-diameter polyvinyl chloride (PVC) well screen and riser would be temporarily installed to allow groundwater to recover enough to allow the collection of groundwater samples. The soils at the three locations (B-01 through B-03) were logged and logs are included in Attachment C, provided on CD.

On Thursday, March 20, 2008, boring (B-01) on the south side of 6317 Stratford was advanced to a depth of 29 feet bgs. No saturated zones were observed. A screen point sampler was set at 29 feet. A small amount of water was observed (0.7 foot) 6 hours after installation. The screen point sampler was removed and a 1-inch PVC temporary piezometer was installed, but due to expansive clays choking off the diameter of the borehole, the temporary piezometer could only be installed to a depth of 15 feet bgs. No groundwater was noted in the piezometer after 2 hours, and the hole was abandoned. The truck-mounted drill rig was unable to install a 1-inch-diameter PVC temporary piezometer to the total depth of the borehole.

On Friday, March 28, 2008, a new drill rig was onsite and a boring was advanced on the south side of [redacted] to a depth of 30 feet bgs. A second boring (B-02) was advanced to 29 feet bgs on the south side of [redacted], and a third boring (B-03) was advanced to 27 feet bgs on the west side of [redacted]. One-inch-diameter temporary piezometers with a 10-foot prepacked screen were installed through the core barrel of the drill rig. Sand was placed in the boring to cover the screens, and bentonite chips were placed on top of the sand to the surface. The piezometers were completed near

the surface, secured, and left over the weekend for groundwater to recover. On Monday, March 31, 2008, groundwater grab samples were collected from each of the piezometers and analyzed for cVOCs.

4.3 Ambient Air

Indoor and outdoor air samples were collected from the vacant residence at 6317 Stratford Avenue. Two indoor air sample canisters were placed in the basement of the residence; one sample canister was placed in the northeast corner, and the other was placed in the southwest corner. The filed duplicate also was placed in the southwest corner. According to the work plan (CH2M HILL and Conti 2008), samples would be collected around the sump, but a sump was not located at this residence. The outdoor air sample canister was placed under the rear steps of the residence. The 6-liter SUMMA™ canisters were set to collect cVOC samples at a rate of 3.5 milliliters per minute over a 24-hour period.

5. Discussion and Findings

Data from the field activities are described below and included in Attachment D.

5.1 Groundwater

Three groundwater grab samples and a field duplicate were collected on the south side of [redacted] and the west side of [redacted]. Samples were analyzed for cVOCs listed in Section 2 and shown in Table 1. Laboratory analytical data and data quality evaluations (DQEs) are provided in Attachment D.

TABLE 1
Results from Grab Groundwater Sampling
St. Louis Ordnance Plant, Former Hanley Area

Analyte	MCL	Units	4701 Goodfellow Blvd.	6317 Stratford Ave.	6321 Stratford Ave.
1,2-Dichloroethane	0.005	mg/L	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.07	mg/L	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.1	mg/L	0.001 U	0.001 U	0.001 U
Tetrachloroethene	0.005	mg/L	0.0011 U	0.0011 U	0.0011 U
Trichloroethene	0.005	mg/L	0.001 U	0.001 U	0.001 U
Vinyl chloride	0.002	mg/L	0.001 U	0.001 U	0.001 U

Notes:
U = Not detected above the reported quantitation limit
Bold = concentration is greater than the selected screening level
mg/L = milligrams per liter
MCL = USEPA maximum contaminant level for drinking water (USEPA 2003)

The cVOCs of interest, shown above, were not detected above the reported quantitation limit.

5.2 Ambient Air

Table 2 lists the results of the ambient air sampling event. Laboratory analytical data and DQEs are in Attachment D, provided on CD.

TABLE 2
Results from Ambient Air Sampling at 6317 Stratford Avenue
St. Louis Ordnance Plant, Former Hanley Area

Analyte	USEPA Region VI	Units	Outdoor Air	Indoor Air - Southwest Corner of Basement	Indoor Air - Northeast Corner of Basement
Vinyl Chloride	0.16	µg/m^3	0.024 U	0.0047 J	0.023 U
trans-1,2-Dichloroethene	63	µg/m^3	0.0052 J	0.013 J	0.012 J
cis-1,2-Dichloroethene	37	µg/m^3	0.036 U	0.180	0.150
1,2-Dichloroethane	0.074	µg/m^3	**0.075**	**0.088**	0.072
Trichloroethene	0.017	µg/m^3	**0.190**	**1.100**	**0.410**
Tetrachloroethene	0.33	µg/m^3	0.300	**0.910**	0.250 U

Notes:
Bold indicates a detected concentration above the USEPA Region VI Screening Level for Ambient Air
Highlight indicates TCE concentration above 1 µg/m^3 per USEPA Region VII
U - Not detected above the reported quantitation limit
J - Reported value is estimated
µg/m^3 - micrograms per cubic meter

Three constituents (1,2-DCA; TCE; and PCE) were found at concentrations above the USEPA Region VI screening levels for ambient air in samples collected from the basement or in both the basement and outdoor air. Only one sample exhibited TCE concentrations greater than 1 µg/m^3; the sample collected from the southwest corner of the basement had a concentration of 1.1 µg/m^3.

6. Conclusions

Groundwater grab samples were collected in the yards of nearby residences north of the site along Stratford Avenue. For the cVOCs of interest, none of the analytes were detected above the reporting limit; therefore, groundwater underneath the residences does not contain the cVOCs of interest at a level of concern.

Soil gas samples were not collected due to tight soils, though ambient and indoor air samples were collected from [redacted]. TCE was present in the indoor air sample collected in the southwest corner of the basement at a concentration in excess of the low end of the acceptable risk level (1 µg/m^3).

Based on the one indoor air sample where the concentration of TCE was observed above the low end of the acceptable risk level, two additional rounds of ambient air sampling are proposed as part of the remedial investigation field activities. The first round of sampling was conducted in May 2008 and the second round, if necessary, will be implemented in the fall of 2008. Results from these sampling events will be included and reported as part of the remedial investigation.

7. References

CH2M HILL and The Conti Group. 2008. *Vapor Intrusion Assessment for the St. Louis Ordnance Plant, Former Hanley Area, St. Louis, Missouri*. Prepared for U.S. Army Corps of Engineers, Kansas City District. Contract No. W912D05-D-0002, Delivery Order No. 0007. March.

Missouri Department of Natural Resources (MDNR). 2006. *Draft Missouri Risk-Risk Based Corrective Action – Technical Guidance.* April.

U.S. Environmental Protection Agency (USEPA). 2003. *National Primary Drinking Water Standards.* EPA 816-F-03-016. June.

U.S. Environmental Protection Agency (USEPA). 2008. USEPA Region VI *Medium-Specific Screening Levels.* http://www.epa.gov/docs/region06/waste/sfund/MSSL/index.html.

Figures

N

0 300 600

Feet

LEGEND

Site Boundary

FIGURE 1
SITE LOCATION MAP
St. Louis Ordnance Plant
Former Hanley Area
St. Louis, Missouri

CH2MHILL

\\LOKI\PROJECTS\RDDGIS\349765_SLOP\MAPFILES\FIG_1_SITE_LOC.MXD 10/5/2007 00:52:14

N

0 30 60 Feet

LEGEND

- Proposed Groundwater Sample Point
- Proposed Soil Gas Boring
- Monitoring Well
- Proposed Ambient Air
- Site Boundary

Approximate Utilities

- Natural Gas
- Sanitary Sewer
- Sewer Location Unknown
- Water

FIGURE 2
PROPOSED SAMPLING LOCATIONS
St. Louis Ordnance Plant
Former Hanley Area
St. Louis, Missouri

CH2MHILL

RDD \\LOKI\PROJECTS\RDDGIS\349765_SLOP\MAPFILES\VI\FIG2_SG_PROPOSED_SAMPLE_LOCS.MXD 6/26/2008 11:15:39

N

0 30 60 Feet

LEGEND

- Groundwater Sample Point
- Ambient Air
- Site Boundary

Approximate Utilities

- Natural Gas
- Sanitary Sewer
- Sewer Location Unknown
- Water

FIGURE 3
SAMPLING LOCATIONS
St. Louis Ordnance Plant
Former Hanley Area
St. Louis, Missouri

CH2MHILL

RDD \\LOKI\PROJECTS\RDDGIS\349765_SLOP\MAPFILES\VI\FIG3_SG_SAMPLE_LOCS.MXD 6/27/2008 09:43:06

Attachment A
Field Notes

DAILY QUALITY CONTROL REPORT

Daily Report No: 002 **Date**: 03/17/08

Weather: Mostly Cloudy/Windy **Precip.**: Heavy rain **°F Temp**: **Min**: 41 **Max** 50

1. Personnel and Area(s) of Responsibility:

# of Personnel	Trade/Title	Hours (each)	Employer	Location/Work Description
1	Field Team Leader	6	CH2M HILL	Site walk and marking of sample locations
1	Field Team Member	6	CH2M HILL	Site walk and marking of sample locations
1	QA/QC Officer	6	CH2M HILL	Site walk and marking of sample locations
2	Drillers	3	MRK	Site walk and marking of sample locations

2. Equipment Used:

Equipment Description	Qty.	Date of Arrival	Date of Safety Check
Truck mounted DPT rig	0	3/17/08	3/17/08

3. Work Performed Today:

The IDW area keys were obtained from George Pugh.

Site Walk and Sample Point Location Marking.
The field team walked the site with the QC officer and drilling subcontractor. All outdoor sample locations were marked. Team discussed utility clearances and sampling procedures.

4. Results of Control Activities:

Not applicable

5. Tests Performed as Required by Plans and/or Specifications:

Not applicable

6. Materials Received:

Description	Quantity	No. of Trucks	Compliant with Specs?
Not applicable			

7. Submittals Reviewed and Approved:

Submittal Number(s)	Applicable Specification/Plan Section	Approved By	Action
Not applicable			

8. Verbal Instructions Given/Controversial Matters:

None.

9. Job Safety: (Report violations; corrective instructions given; corrective action taken)

A site safety meeting was held on site. A Pre-task Safety Plan was completed. No safety violations were observed.

10. Remarks:

None.

11. Lost Days/Time Impacts/Equipment Repairs:

Due to severe thunderstorms and heavy rain, work was postponed until 3/18/2008

12. Near Future Plans

- Indoor air sampling
- DPT soil boring advancement
- Soil gas sampling
- Temporary piezometer installation
- Groundwater sampling

On behalf of Conti Environmental, Inc. and its' subcontractors, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted.

Glynn Roberts/17March08

Field Team Leader, CH2M HILL / Date

DAILY QUALITY CONTROL REPORT

Daily Report No: 003 **Date**: 03/18/08

Weather: Cloudy/T-storms **Precip.**: Heavy rain **°F Temp**: **Min**: 40 **Max** 42

1. Personnel and Area(s) of Responsibility:

# of Personnel	Trade/Title	Hours (each)	Employer	Location/Work Description
1	Field Team Leader	4	CH2M HILL	Indoor and outdoor ambient air sample canister placement
1	QA/QC Officer	4	CH2M HILL	Indoor and outdoor ambient air sample canister placement
1	Project Manager	4	CH2M HILL	Indoor and outdoor ambient air sample canister placement
1	Oversight	4	USACE	Indoor and outdoor ambient air sample canister placement
1	Oversight	4	89th RRC	Indoor and outdoor ambient air sample canister placement

2. Equipment Used:

Equipment Description	Qty.	Date of Arrival	Date of Safety Check

3. Work Performed Today:

Indoor and Outdoor Ambient Air Sample Collection.
Indoor and outdoor ambient air sample canisters were placed at [redacted]. Two indoor air sample canisters and one field duplicate were placed in [redacted]. One was placed in the northeast corner and the other was placed in the southwest corner. The field duplicate was also placed in the southwest corner. One outdoor ambient air sample canister was placed under the rear steps.

The sample canisters were 6L SUMMA canisters with lab calibrated flow controllers set at 3.5 mL/min. The flow rate was set to collect over a 24 hour period.

4. Results of Control Activities:

Not applicable

5. Tests Performed as Required by Plans and/or Specifications:

Not applicable

6. Materials Received:

Description	Quantity	No. of Trucks	Compliant with Specs?
Not applicable			

7. Submittals Reviewed and Approved:

Submittal Number(s)	Applicable Specification/Plan Section	Approved By	Action
Not applicable			

8. Verbal Instructions Given/Controversial Matters:

None.

9. Job Safety: (Report violations; corrective instructions given; corrective action taken)

A site safety meeting was held on site. A Pre-task Safety Plan was completed. No safety violations were observed.

10. Remarks:

None.

11. Lost Days/Time Impacts/Equipment Repairs:

Due to thunderstorms and heavy rain, additional work was postponed until 3/19/2008.

12. Near Future Plans

- DPT soil boring advancement
- Soil gas sampling
- Temporary piezometer installation
- Groundwater sampling

On behalf of Conti Environmental, Inc. and its' subcontractors, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted.

Glynn Roberts/18March08

Field Team Leader, CH2M HILL / Date

DAILY QUALITY CONTROL REPORT

Daily Report No: 004 **Date**: 03/19/08

Weather: Cloudy/T-storms **Precip.**: Heavy rain **°F Temp**: **Min**: 40 **Max** 42

1. Personnel and Area(s) of Responsibility:

# of Personnel	Trade/Title	Hours (each)	Employer	Location/Work Description
1	Field Team Leader	3	CH2M HILL	Indoor and outdoor ambient air sample canister collection
1	Field Team Member	3	CH2M HILL	Indoor and outdoor ambient air sample canister collection

2. Equipment Used:

Equipment Description	Qty.	Date of Arrival	Date of Safety Check

3. Work Performed Today:

Indoor and Outdoor Ambient Air Sample Collection.
Indoor and outdoor ambient air sample canisters were collected from [redacted]. Three indoor and one outdoor air sample canisters were collected.

Samples shipped to the CH2M HILL laboratory via FedEx.

4. Results of Control Activities:

Not applicable

5. Tests Performed as Required by Plans and/or Specifications:

Not applicable

6. Materials Received:

Description	Quantity	No. of Trucks	Compliant with Specs?
Not applicable			

7. Submittals Reviewed and Approved:

Submittal Number(s)	Applicable Specification/Plan Section	Approved By	Action
Not applicable			

8. Verbal Instructions Given/Controversial Matters:

None.

9. Job Safety: (Report violations; corrective instructions given; corrective action taken)

A site safety meeting was held on site. A Pre-task Safety Plan was completed. No safety violations were observed.

10. Remarks:

None.

11. Lost Days/Time Impacts/Equipment Repairs:

Due to thunderstorms and heavy rain, additional work was postponed until 3/20/2008.

12. Near Future Plans

- DPT soil boring advancement
- Soil gas sampling
- Temporary piezometer installation
- Groundwater sampling

On behalf of Conti Environmental, Inc. and its' subcontractors, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted.

Glynn Roberts/19March08

Field Team Leader, CH2M HILL / Date

DAILY QUALITY CONTROL REPORT

Daily Report No: 005 **Date**: 03/20/08

Weather: Partly sunny **Precip.**: 0 **°F Temp**: **Min**: 40 **Max** 62

1. Personnel and Area(s) of Responsibility:

# of Personnel	Trade/Title	Hours (each)	Employer	Location/Work Description
1	Field Team Leader	9	CH2M HILL	DPT and soil gas sampling
2	Drillers	9	MRK	DPT and soil gas sampling

2. Equipment Used:

Equipment Description	Qty.	Date of Arrival	Date of Safety Check
Truck mounted DPT rig	1	3/20/2008	3/17/2008

3. Work Performed Today:

DPT advancement/Groundwater sampling.
One boring was advanced to 29.5 feet bgs on [redacted]. No saturated zones or elevated PID readings were observed. A screen-point sampler was set at 29.5 feet bgs to attempt to collect a groundwater grab sample. A very small amount of groundwater (0.7 feet) entered the sampler after 6 hours. The screen-point sampler was removed and 1-inch PVC temporary piezometer was installed. The piezometer could only be installed to 15 feet bgs due to the expansive clays choking off the diameter of the borehole. No groundwater was noted in the piezometer after 2 hours. The piezometer was removed and boring was backfilled.

Soil gas sampling

Several attempts were made at [redacted] to collect a soil gas sample. The type of soil prevented air from being drawn through the soil. When the system was set-up, the pump would only draw a vacuum with no flow noted. The sample location at [redacted] was abandoned after two additional attempts.

A second soil gas sample location was attempted on [redacted]. After two attempts, set-up passed both the mechanical and helium leak tests and was drawing a flow rate of approximately 100mL/min. A soil gas sample was collected from this location. It was later determined that the helium leak check was not allowed to continue for a sufficient amount of time to detect failure (refer to DQCR 006).

Sample shipped to the CH2M HILL laboratory via FedEx.

4. Results of Control Activities:

Not applicable

5. Tests Performed as Required by Plans and/or Specifications:

Not applicable

6. Materials Received:

Description	Quantity	No. of Trucks	Compliant with Specs?
Not applicable			

7. Submittals Reviewed and Approved:

Submittal Number(s)	Applicable Specification/Plan Section	Approved By	Action
Not applicable			

8. Verbal Instructions Given/Controversial Matters:

None.

9. Job Safety: (Report violations; corrective instructions given; corrective action taken)

A site safety meeting was held on site. A Pre-task Safety Plan was completed. No safety violations were observed.

10. Remarks:

None.

11. Lost Days/Time Impacts/Equipment Repairs:

12. Near Future Plans

- DPT soil boring advancement
- Soil gas sampling
- Temporary piezometer installation
- Groundwater sampling

On behalf of Conti Environmental, Inc. and its' subcontractors, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted.

Glynn Roberts/20March08

Field Team Leader, CH2M HILL / Date

DAILY QUALITY CONTROL REPORT

Daily Report No: 006 **Date**: 03/21/08

Weather: Partly sunny **Precip.**: 0 **°F Temp**: **Min**: 50 **Max** 62

1. Personnel and Area(s) of Responsibility:

# of Personnel	Trade/Title	Hours (each)	Employer	Location/Work Description
1	Field Team Leader	5	CH2M HILL	DPT and soil gas sampling
1	QA/QC Officer	2	CH2M HILL	Soil gas sampling
2	Drillers	5	MRK	DPT and soil gas sampling

2. Equipment Used:

Equipment Description	Qty.	Date of Arrival	Date of Safety Check
Truck mounted DPT rig	1	3/21/2008	3/17/2008

3. Work Performed Today:

Soil Gas Sampling

Several attempts were made at [redacted] to collect a soil gas sample. The type of soil prevented air from being drawn through the soil. When the system was set-up, the pump would only draw a vacuum with no flow noted, if flow was noted, the system would fail the helium leak test. After much analysis it was determined that since the soil type prevented any airflow, the system would fail at the connection of the tubing to the PRT fitting. The vacuum being created would be so great it would pop (blow by) the o-ring. Measures were taken to prevent the "blow by" and sample collection was attempted, but no drop in vacuum was noted in the sample canister (indicative of no flow).. After three attempts (the original location and two off-sets), the sample location at the south side of 6321 Stratford was abandoned.

A second soil gas sample location was attempted on [redacted]. The same problem surfaced. At the original location and two off-sets. Either the system would fail the helium leak test or no flow was noted through the set-up. The location on [redacted] was abandoned.

A third soil gas sample location was attempted on [redacted]. The original location and an off-set were advanced with the same results as before.

After much deliberation it was determined that soil gas could not be collected at the site due to the soil type (expansive, tight clays). The validity of the sample collected on 3/20/2008 on [redacted] (6317-W) was brought into question and analysis of this sample was canceled. Following discussion with the USACE and the MDNR soil gas sampling was canceled.

4. Results of Control Activities:

Not applicable

5. Tests Performed as Required by Plans and/or Specifications:

Not applicable

6. Materials Received:

Description	Quantity	No. of Trucks	Compliant with Specs?
Not applicable			

7. Submittals Reviewed and Approved:

Submittal Number(s)	Applicable Specification/Plan Section	Approved By	Action
Not applicable			

8. Verbal Instructions Given/Controversial Matters:

Due to soil type, no soil gas samples will be collected in this site.

9. Job Safety: (Report violations; corrective instructions given; corrective action taken)

A site safety meeting was held on site. A Pre-task Safety Plan was completed. No safety violations were observed.

10. Remarks:

None.

11. Lost Days/Time Impacts/Equipment Repairs:

12. Near Future Plans

- DPT soil boring advancement using larger diameter core barrels to allow installation of the temporary casing and screen through the core barrel
- Temporary piezometer installation
- Groundwater sampling

On behalf of Conti Environmental, Inc. and its' subcontractors, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted.

Glynn Roberts/21March08

Field Team Leader, CH2M HILL / Date

DAILY QUALITY CONTROL REPORT

Daily Report No: 007 **Date**: 03/28/08

Weather: Partly sunny **Precip.**: 0 **°F Temp**: **Min**: 40 **Max** 62

1. Personnel and Area(s) of Responsibility:

# of Personnel	Trade/Title	Hours (each)	Employer	Location/Work Description
1	Field Team Leader	8	CH2M HILL	DPT and soil gas sampling
2	Drillers	8	MRK	DPT and soil gas sampling

2. Equipment Used:

Equipment Description	Qty.	Date of Arrival	Date of Safety Check
CME 550 DPT/HAS rig	1	3/28/2008	3/28/2008
Support Truck	1	3/28/2008	3/28/2008

3. Work Performed Today:

DPT advancement/Groundwater sampling.

One boring was advanced to 29.5 feet bgs on [redacted]. No saturated zones or elevated PID readings were observed. A 1-inch temporary piezometer was installed through the core barrel to a depth of 30 feet bgs. The piezometers consisted of a ten foot prepack screen. Sand was then placed in the boring to 19 feet bgs and then bentonite chips were placed to surface.

A second boring was advanced to 29 feet bgs on [redacted]. No saturated zones or elevated PID readings were observed. A 1-inch temporary piezometer was installed through the core barrel to a depth of 29 feet bgs. The piezometer consisted of a ten foot prepack screen. Sand was then placed in the boring to 19 feet bgs and then bentonite chips were placed to surface.

A third boring was advanced to 27 feet bgs on the [redacted]. No saturated zones or elevated PID readings were observed. A 1-inch temporary piezometer was installed through the core barrel to a depth of 27 feet bgs. The piezometer consisted of a ten foot prepack screen. Sand was then placed in the boring to 17 feet bgs and then bentonite chips were placed to surface.

4. Results of Control Activities:

Not applicable

5. Tests Performed as Required by Plans and/or Specifications:

Not applicable

6. Materials Received:

Description	Quantity	No. of Trucks	Compliant with Specs?
Not applicable			

7. Submittals Reviewed and Approved:

Submittal Number(s)	Applicable Specification/Plan Section	Approved By	Action
Not applicable			

8. Verbal Instructions Given/Controversial Matters:

None.

9. Job Safety: (Report violations; corrective instructions given; corrective action taken)

A site safety meeting was held on site. A Pre-task Safety Plan was completed. No safety violations were observed.

10. Remarks:

None.

11. Lost Days/Time Impacts/Equipment Repairs:

12. Near Future Plans

- Groundwater sampling

On behalf of Conti Environmental, Inc. and its' subcontractors, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted.

Glynn Roberts/28March08

Field Team Leader, CH2M HILL / Date

DAILY QUALITY CONTROL REPORT

Daily Report No: 008 **Date**: 03/31/08

Weather: T-Storms **Precip.**: 0.5 inches **°F Temp**: **Min**: 40 **Max** 62

1. Personnel and Area(s) of Responsibility:

# of Personnel	Trade/Title	Hours (each)	Employer	Location/Work Description
1	Field Team Leader	4	CH2M HILL	Groundwater Sampling

2. Equipment Used:

Equipment Description	Qty.	Date of Arrival	Date of Safety Check

3. Work Performed Today:

Groundwater sampling
Three temporary piezometers were sampled on [redacted], [redacted] on Friday, March 28, 2008. The piezometers were secured over the weekend and groundwater samples were collected from the three temporary piezometers using a peristaltic pump on Monday, March 31, 2008. A field duplicate was collected at 6321 Stratford and a MS/MSD sample was collected at [redacted] Groundwater samples were analyzed for site specific VOCs (PCE, TCE, cis and trans 1,2-DCE, 1,2-DCA, and vinyl chloride). The three piezometers were properly abandoned following the collection of groundwater samples.

IDW Characterization
Soil and water IDW was generated during the investigation. A water IDW sample was collected and analyzed for total VOCs and total lead and a soil IDW sample was collected and analyzed for TCLP VOCs, flash point and paint filter.

Groundwater and IDW samples were shipped to PEL Laboratories via FedEx. Laboratory analysis should be received within 10 working days for groundwater samples and 21 days for IDW samples.

4. Results of Control Activities:

Not applicable

5. Tests Performed as Required by Plans and/or Specifications:

Not applicable

6. Materials Received:

Description	Quantity	No. of Trucks	Compliant with Specs?
Not applicable			

7. Submittals Reviewed and Approved:

Submittal Number(s)	Applicable Specification/Plan Section	Approved By	Action
Not applicable			

8. Verbal Instructions Given/Controversial Matters:

None.

9. Job Safety: (Report violations; corrective instructions given; corrective action taken)

A Pre-task Safety Plan was completed.

10. Remarks:

None.

11. Lost Days/Time Impacts/Equipment Repairs:

12. Near Future Plans

None.

On behalf of Conti Environmental, Inc. and its' subcontractors, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted.

Glynn Roberts/31March08

Field Team Leader, CH2M HILL / Date

Location SLOP Date 3/17/08

Project / Client VI

730 RGrad / G. Roberts / J Huber
onsite
weather - cool, overcast
00 Begin marking locations
location at [redacted]
- set tos for behind house
One location between [redacted]
one location - should there be 2?
15 6325 Stafford asked (tenant?)
What are we doing, what are
we sampling for, will he know
the results?
[redacted] offset
(front yard)
to avoid water line -
front porch / concrete -
[redacted] knocked on
door - no answer - home owner came out
[redacted] - no waterline
mark - Jeff reported that
water line is to the west
of gas line

Location SLOP Date 3/17/08

Project / Client

Preparatory phase - key elements
- photodocument fences
- GW Sampling
- target depth - maximum
depth? No - go to gw
- No screen point sampling
- use PVC
- purging & specs are different
- confirm stabilization forms
* confirm we're not doing
stabilization parameters -
- check equipment for
contamination - use PID
* do we need to gauge wells?
- sample from midpoint of
screen
- Indoor air -
- sump - only use 1 L,
the rest are 6 L
- no gw sample from sump
- Inspect all equipment
- verify pre/post pressures
- photo document sample
locations

Location _____ Date 3/17/08

Project / Client _____

- Verify no cross contamination
  - need flashlight
- Soil gas sampling ?
  * confirm if there is a porch or landscaping is that okay or do we offset ?
- Check tooling for a rinep on soil gas rods -
* wait 30 minutes - from SOP -
  "Soil gas sampling shall not begin until 30 minutes..."
  Can we purge in this time

945 At George Pugh's office -
- done by 5 pm? Can park inside parking area - open at 7:30
  Facility numbers -
  MO 821 04900084 - EPA
  002853 - Missouri ID

- no permit to clump groundwat

on SLOP Date 3/17/08

Project / Client _____

~~no change~~
Call w/ Craig -
- no change order required
- can offset -
- soil gas sample - Craig will follow up on SOP

Bush on [redacted]

no access -
- can we cut bush?

- "We're collecting the samples. In a few weeks, you'll be getting a letter. ~~You will~~ We will be setting up a meeting. We are here for your safety. Related to SLOP site."
  - our communication script for SLOP

Location SLOP Date 3/17/08

Project / Client

0900 Drillers arrive to site
as Drillers offsite (Shutdown due to weather confirmed w/ Craigue)
Hone Dpt list
- Chain - flashlight
- PVC - Digital Camera
- Zipters - Di H_2O
- Ziplock bags - Adjustable wrench
1230 G. Roberts & Hone Dpt
J. Haberl + R. Grand offsite
Drillers going to get equipment together to attempt to hand drive soil gas sampler to avoid removing facing
1240 G. Roberts offsite

SLOP Date 3/18/08

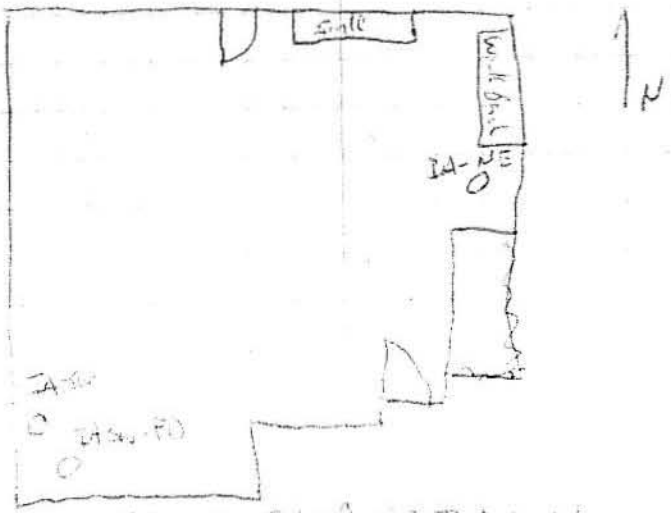
Client

G Roberts, J. Haberl & D. Price onsite, Going to walk around vacant & look at ambient air location, Cloudy + Rain Spoke w/ MRK (M. Kosyndor), Too Much + Rain twet for drillers Called drillers off. Going to Set indoor air samples today Josephine Baker w/ USACE + ~~Richard~~ Mr Pelly Homeowner of [redacted]
Begin setting up IA samples @ 6317
SLOP-6317-IA-SW (Cannister SN: GL2556A)
Initial vaccume = -30
SLOP-6317-IA-SW-FD (Cannister SN: GL2470A)
Initial vaccume = -30
flow controllers set @ 2.5 ml/min
Set up SLOP 6317-IA-NE
Cannister SN: GL2590A
Initial vaccume = -30
Flow controllers set @ 2.5 ml/min
open all three samplers to begin sampling. 2 [illegible]

Location SLOP Date 3/18/08

Project / Client

6317 IA locations



0950 Set up SLOP-6317-AA-N
SN = 6C2544A
Initial vacuum = -30
Flow Controller set @ 3.5 mL/min
0955 Begin sampling 6317-AA-N
1000 Completed setting up Indoor & Ambient Air Samplers
430 G. Roberts, J. Hobert, D. Price, J. Baker, G. Pugh offsite

JR

Location SLOP Date 3/19/08

Project / Client

G. Roberts onsite, Spoke w/ M. Kosydar, Drillers not working today due to weather
R. Grand onsite w/ additional equipment
collect sample SLOP-6317-AA-N
final vacuum = -9
collect SLOP 6317-IA-NE
final vacuum = -2
FC - FC 3981 B
collect SLOP-6317-IA-SW-FD
FC - FC 3912 B
final = -2
collect SLOP-6317-IA-SW
FC - FC 3961 B
final vacuum = 0
collect SLOP-TB-03192008
G. Roberts to Fedex. R. Grand offsite

JR

Location: SCOP Date: 3/20/08

Project / Client:

0800 G Roberts, MRK onsite
Partly cloudy 61°F
Conduct H&S, Complete PTSP
0815 Setup on B-1 @ [redacted]
Refer to log sheet (separate form)
0850 Spoke w/ D Townsen + D Price
regarding No H_2O observed to 18' bgs
Still need to get to H_2O + sample
0900 ~~[illegible]~~ advancing 18-21'
0910 Barry McFarland w/ Army onsite
0953 Set bottom of screen point sampler
@ 25.5'. Top of screen @ 25.5'
1020 No H_2O Going to setup soil
gas while well changes
1023 Setting soil gas @ 4' bgs to 3.5'
bgs
1030 G Roberts to office to get nuclear
1045 Spoke D Townsen regarding lack
of H_2O in well. J Habeal spoke
w/ Dan regarding same conditions
1115 Setting up soil gas sampling
equipment
1130 Soil SG tight that pump is draining
~20 vacuum flowrate @ .25 ml/min

Location: SCOP Date: 3/20/08

Project / Client:

MRK offsite to get more
Rods + different size rods to
be able to set 1" pvc wells
J. Habeal offsite. Spoke w/ D Townsen,
Going to set three wells + try +
collect sample tomorrow. D. Townsen
is going to try + get in touch
with B. Thompson regarding tight
soil conditions
Spoke w/ B. Thompson. Ben agrees
If pump has no flow or C then [illegible]
+ pulls a vacuum, then no soil gas
sample can be collected. Informed
D Townsen, Going to offset 2 more times
@ 6.3/7 + if vacuum spiked then
no sample will be collected this
will apply + all locations. We will
still set 3 temp piezometers
MRK backcaste. Piezo only has 7/10th
of a foot of H_2O. Going to try + set
PVC.
PVC can only be pushed to 15' bgs
No H_2O. More SG location.
Same as before no flow

Location SLOP Date 3/20/08

Project / Client

Spoke w/ D. Townsen. Going to move to location between 6317 + 6321 + try SG.

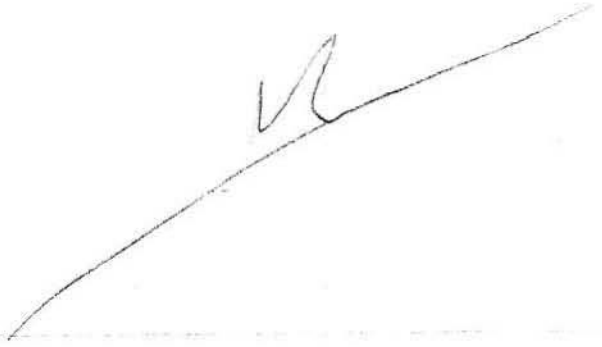
1530 flow rate @ 100 ml/min bare min. Spoke w/ D. Townsen + D. Price. Going to collect this sample. Going to Discuss w/ MRK regarding 550 for next week to set wells

1545 Begin purging SLOP-[redacted] SG location

1615 Begin sampling SLOP[redacted]

1620 Completed collecting Sample SLOP-6317-W final vacuum? -15

1645 G. Roberts + MRK offsite



[signature]

on SLOP Date 3/21/08

Project / Client

G. Roberts + MRK onsite complete PTSP. Topic Hand tool safety. P. Sunny 50°F chance of Rain. Going to setup [redacted]

6321 S fails Helium test. Pull rods + reset.

Begin purging [redacted] tfood S offset 4 times before setup passed leak test. PRT fitting was not seating properly.

Begin advancing [redacted] collected sample. No drop in Cannister vacuum. Move to [redacted]

J. Haberl onsite still having issues getting PRT to seal so system will pass Helium detection test. Recheck entire system, Try teflon tape to get good seal. No flow rate. If we have flow rate, Helium fails Call D. Price + inform of situation. Sample collected yesterday in question

Location SCCP Date 3/21/08

Project / Client

D. Price calls off soil gas sampling + no samples will be shipped. Soil conditions not conducive to soil gas sampling.

1230 MRK offsite G. Roberts to office to ship back equipment

Location SCCP Date 3/28/08

Project / Client

G. Roberts + MRK onsite
Review HASP + sign complete
PISP cloudy 40°F
Begin advancing casing @ [redacted]
Begin installing well
10' prepack screen. Place sand to 14' bgs. Bottom of well @ 30' bgs
chips from 14' - surface
Well complete. Drain complete
Move to 6321 Stratford
Break for lunch
Back from lunch
Calibrate PID C101751
Fresh air = 0 O_2 = 20.5
Mult gas: CO = 50 H_2S = 25
LEL = 49 O_2 = 20.7
ISO = 93.1
Begin advancing B-2 @ [redacted] (Refer to soil boring log on separate form)
completed logging B2 @ 6321
Begin running casing
casing @ 29 bgs

Location SLOP Date 3/28/08

Project / Client

1315 well Set pulling Casing
1115 Begin advancing 4701 Goodfellow B-3 (Refer to Seperate Log Sheet)
1445 completed logging B-3
Refusal @ 27' bgs Going to set well @ 27 & screen to 17 sand to 16' bgs & chip to surface
(downhole tape weight broke off in sand in B-2. Spoke w/ D. Townsen regarding issues with sample analysis & tape adhesive No issues, Completed setting well @ B-2)
1525 Anvil used to pound casing into ground Broke. Well Set @ 25' bgs screened to 15' sand to 14' & chip to surface
1600 Stage 2 IDW drums 1 for Soil 1 for Decon H2O Inside locked fence
1630 G. Roberts MRK offsite

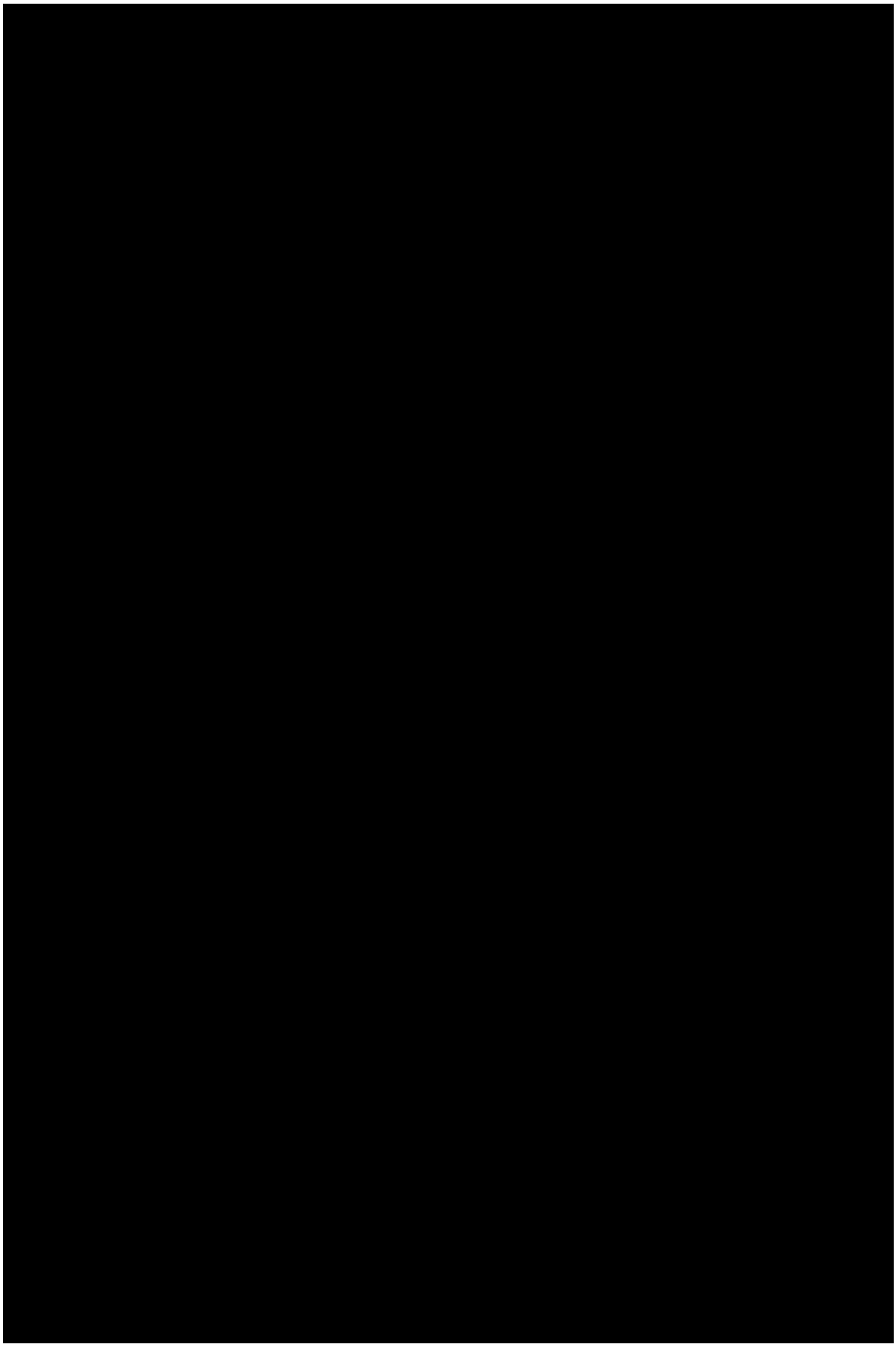
Location SLOP Date 3/31/08

Project / Client

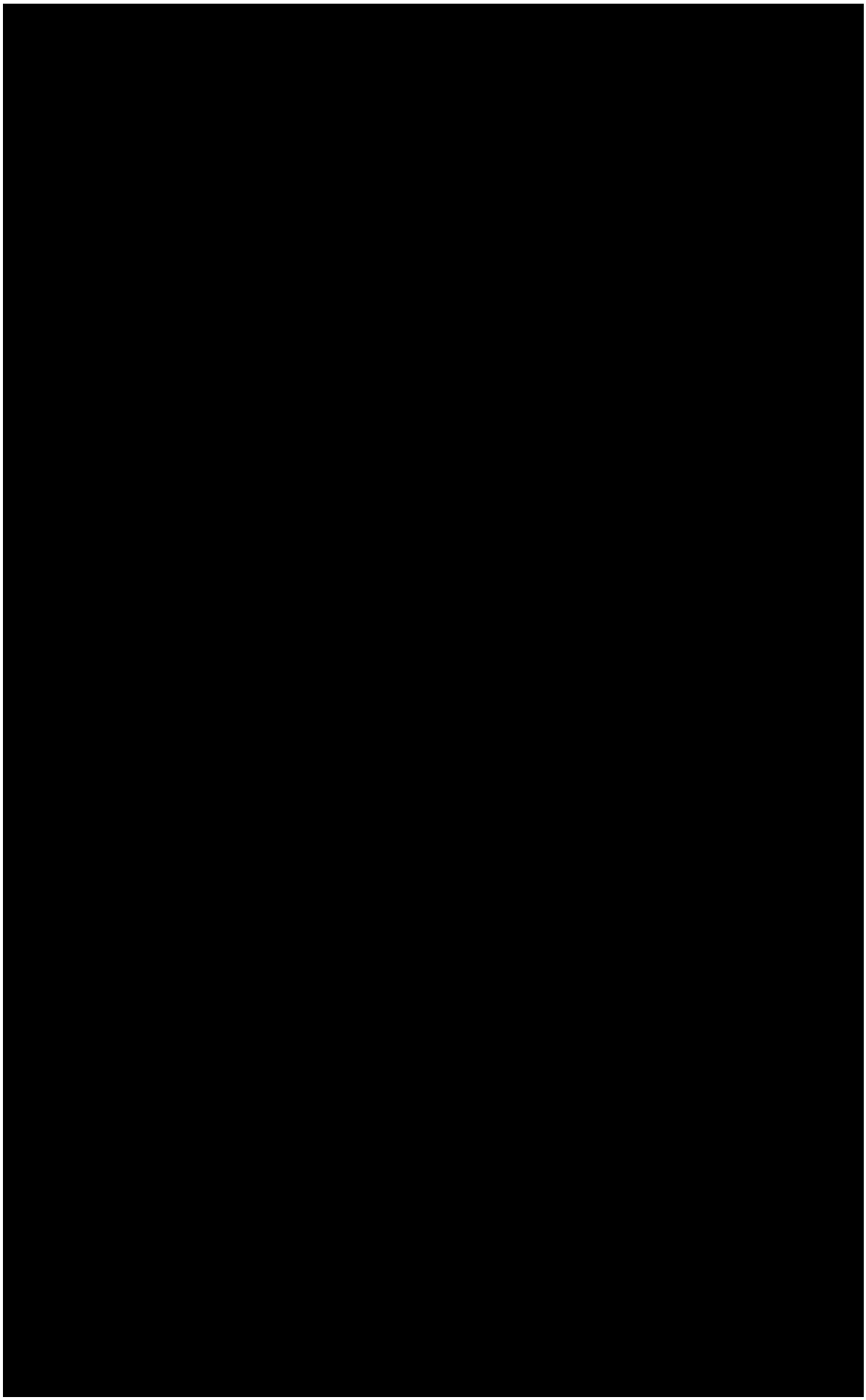
G. Roberts onsite to collect GW samples B-2 [redacted] DTW = 7.63 bgs
collect SLOP [redacted]
collect SLOP [redacted]
for VOC
collect SLOP-[redacted]-S-25
for VOC MS/MSD
G317 DTW = 12.52 bgs
collect SLOP 4701-S-22
for VOC
DTW = 7.70 bgs
G. Roberts to Feley
collect SLOP UI-033108
for lead VOC flash point & paint
collect TB-033108
for VOC

Attachment B

Site Photographs



Soil gas sampling set up



Attachment C

Boring Logs

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
	B-01	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : SLOP
LOCATION : [redacted]
ELEVATION : —-
DRILLING CONTRACTOR : MRK, Waterloo, IL
DRILLING METHOD AND EQUIPMENT USE : Truck mounted DPT
WATER LEVELS : Not Encountered
START : 3/20/2008
END : 3/20/2008
LOGGER : G. Roberts

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	TEST AND INSTRU-MENTATION PID/PPM	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	REMARKS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
				— ppm	0.0 - Lean CLAY (CL), dark brown and grey, moist, soft	
					0.5 - Lean CLAY (CL), dark grey and brown, moist, stiff	
2.5	0-3	3.0/3.0	DP-1			
				— ppm	3.0 - Lean CLAY (CL), dark grey and brown, wet, soft	
				— ppm	4.0 - Fat CLAY (CH), dark brown and grey, moist, stiff	
5	3-6	3.0/3.0	DP-2		5.0 - Fat CLAY (CH), grey, brown and orange, moist, stiff wood present	
				— ppm	6.0 - Fat CLAY (CH), brown, grey and tan, moist stiff	
7.5	6-9	3.0/3.0	DP-3			
					8.0 - Lean CLAY (CL), tan and grey, moist, soft, iron staining present	
10					9.0 - SILT (ML), brown and tan, moist, soft	
				— ppm	10.0 - Becoming wet	
	9-12	3.0/3.0	DP-4		10.5 - SILT (ML), brown and grey, moist, stiff	
12.5						
	12-15	1.0/3.0	DP-5	— ppm		
15						
	15-18	3.0/3.0	DP-6			
17.5						
				— ppm	18.0 - Lean CLAY (CL-ML), grey, moist, stiff, iron staining present	
20	18-21	2.0/3.0	DP-7			
22.5	21-24	2.0/3.0	DP-8			
				— ppm		
25	24-27	1.0/3.0	DP-9			
27.5						
	27-29	0.6/2.0	DP-10	— ppm		Set bottom of well at 29.0 feet bgs, 10 foot scre
					Refusal at 29.0 feet bgs	
30						

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
	B-02	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : SLOP
LOCATION : [redacted]
ELEVATION : —-
DRILLING CONTRACTOR : MRK, Waterloo, IL
DRILLING METHOD AND EQUIPMENT USI : CME 550 DPT
WATER LEVELS Not Encountered
START : 3/28/2008
END : 3/28/2008
LOGGER : G. Roberts

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	TEST AND INSTRU-MENTATION PID/PPM	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	REMARKS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
	0-3	3.0/3.0	DP-1	— ppm	0.0 - Lean CLAY (CL), brown, moist, soft	
2.5					2.0 - Lean CLAY and SAND (CL), moist, soft	
					2.3 - Lean CLAY (CL), brown and grey, moist, soft	
	3-6	3.0/3.0	DP-2	— ppm	3.0 - Fat CLAY (CH), grey and brown, moist, stiff	
5				— ppm		
					5.0 - Fat CLAY (CH), brown and orange, moist, stiff	Becoming more silty
	6-9	3.0/3.0	DP-3	— ppm	6.0 - Lean CLAY (CL), brown and orange, moist, stiff	
7.5						
10	9-12	1.0/3.0	DP-4	— ppm		
					11.0 - SILT (ML), grey, moist, stiff, iron staining present	
12.5	12-15	1.0/3.0	DP-5	— ppm		
15					15.0 - SILT (ML), grey and orangish brown, moist, sol	
	15-18	2.0/3.0	DP-6		16.3 - Sllt (ML), grey and orangish brown. moist, stiff, iron staining present	Wet from 16-16.3 feet bgs
17.5				— ppm		
20	18-21	1.0/3.0	DP-7			
					21.0 - SILT (ML), grey, stiff to soft, moist	
22.5	21-24	2.0/3.0	DP-8		NO RECOVERY	
				— ppm		
25	24-27	0/3.0	DP-9			
27.5	27-29	0/2.0	DP-10	— ppm		Set bottom of well at 29.0 feet bgs, 10 foot scre
					Refusal at 29.0 feet bgs	
30						

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
	B-03	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : SLOP
LOCATION : [redacted]
ELEVATION : —-
DRILLING CONTRACTOR : MRK, Waterloo, IL
DRILLING METHOD AND EQUIPMENT USI : CME 550 DPT
WATER LEVELS Not Encountered
START : 3/28/2008
END : 3/28/2008
LOGGER : G. Roberts

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	TEST AND INSTRU-MENTATION PID/PPM	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	REMARKS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
2.5	0-3	3.0/3.0	DP-1	— ppm	0.0 - Lean CLAY (CL), grey and dark brown, moist to wet, so	
5	3-6	3.0/3.0	DP-2	— ppm — ppm	3.0 - Lean CLAY (CH), grey and brown mottled, moist, stiff, iron staining present	
7.5	6-9	3.0/3.0	DP-3	— ppm		Becoming more silty
10	9-12	3.0/3.0	DP-4	— ppm	10.0 - SILT (ML), orangish brown and grey, moist, soft, iron staining present	
12.5	12-15	3.0/3.0	DP-5	— ppm	12.0 - Lean CLAY (CL), orangish brown and grey, moist, soft, iron staining present	
15	15-18	2.0/3.0	DP-6			
17.5	18-21	1.0/3.0	DP-7	— ppm	18.0 - Lean CLAY (CL), tan and grey, moist, soft, iron staining present	
20	21-24	2.0/3.0	DP-8		21.0 - Lean CLAY (CL), grey and tan, soft, moist	
22.5	24-27	0/3.0	DP-9	— ppm	NO RECOVERY	Set bottom of well at 25 feet bgs, 10 foot scre
25						
27.5					Refusal at 27.0 feet bgs	
30						

Attachment D

Data Quality Evaluation and Laboratory Data

Vapor Intrusion Investigation

Data Quality Evaluation Report
St. Louis Ordnance Plant
Former Hanley Area
St. Louis, Missouri

Submitted to

U.S. Army Corps of Engineers
Kansas City District

June 2008

CH2MHILL

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Acronyms and Abbreviations

DQE	data quality evaluation
EB	equipment blank
FD	field duplicate
LCS	laboratory control sample
MS/MSD	matrix spike/matrix spike duplicate
QAPP	quality assurance project plan
QA	quality assurance
QC	quality control
SDG	sample delivery group
TB	trip blank

Data Quality Evaluation Report

Introduction

The objective of this Data Quality Evaluation (DQE) report is to assess the quality of analytical results for groundwater and indoor air samples collected on March 18 and March 31, 2008, during the Vapor Intrusion Investigation at the St. Louis Ordnance Plant located in St. Louis, Missouri. Individual method requirements and guidelines from the *Final Quality Assurance Project Plan, Former Hanley Area, St. Louis, Missouri* (QAPP) (CH2M HILL 2007), were used as the basis for this assessment.

Analytical Approach

The sampling and analysis objective of the St. Louis Ordnance Plant Vapor Intrusion Investigation was to determine the presence or absence of volatile organic compounds (VOC) contamination of groundwater and air at the site.

Analytical Data

This DQE covers three groundwater normal (N) samples, one groundwater field duplicate (FD) sample, three N indoor air samples, one indoor air FD sample, and two trip blanks (TB). The list of samples and collection dates is provided in Table 1. All of the samples associated with the St. Louis Ordnance Plant Vapor Intrusion Investigation were collected on March 18 and March 31, 2008. The groundwater samples were analyzed for VOCs using method SW8260B by PEL Spectrum Analytical of Tampa, Florida, and reported in sample delivery group (SDG) 2508946. The indoor air samples were analyzed for VOCs using method TO-15 SIM by CH2M HILL Applied Sciences Laboratory of Corvallis, Oregon, and reported in SDG H1543.

One hundred percent of the data were reviewed and verified in accordance with the QAPP. The review included the following items:

- A review of the SDG narrative to identify issues that the laboratory reported in the data deliverable
- A check of sample integrity (chain-of-custody (CoC), preservation, and holding times)
- An evaluation of basic quality control (QC) measurements used to assess the accuracy, precision, and representativeness of data including QC blanks, laboratory control samples (LCS), matrix spikes/matrix spike duplicates (MS/MSD), surrogate recovery when applicable, and field or laboratory duplicate results.
- An evaluation of calibration and QC summary results against the project requirements

- A review of sample results, target compound lists, and detection limits to verify that project analytical requirements were met
- A review to verify that corrective actions were initiated, as necessary, based on the data review findings
- A qualification of the data using appropriate qualifier flags, as necessary, to reflect data usability limitations
- Other method-specific QC requirements

Data flags were assigned according to the QAPP. These flags and the reason for each flag were entered into the electronic database. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. The data reported will be qualified by a single flag that reflects the most conservative of the applied validation qualifiers. The final flag also includes matrix and blank sample impacts.

The data flags are defined below:

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- R = The sample results are rejected because of serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be verified.
- U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Findings

The findings of the data review and verification are summarized in the following sections. As previously discussed, the flags in the final data tables reflect the most severe verification qualifier. Verification qualifiers are listed in Table 2 and verification reason codes are defined in Table 3.

Field Sample Completeness

N samples, FD, MS/MSDs, and TBs were collected and analyzed at the frequencies required in the QAPP for waters analyzed by SW8260B. N samples and a FD were collected and analyzed at the frequencies required in the QAPP for indoor air samples analyzed by TO-15 SIM. MS/MSDs are not appropriate for method TO-15 SIM and were not collected.

Holding Times

All holding-time criteria were met.

Calibration

All initial and continuing calibration requirements were met with the following exceptions:

- Method SW8260B, water matrix, initial calibration relative response factor exceeded the lower control limit (LCL) for acrolein. The affected water sample results were qualified as estimated non-detects ("UJ" flagged). The affected sample results are noted in Table 2.
- Method SW8260B, water matrix, continuing calibration verification standard response factor exceeded the LCL for acrolein. The water sample results that were affected were qualified as estimated non-detects ("UJ" flagged). The affected sample results are noted in Table 2.

Method Blanks and Instrument Blanks

Method blanks and instrument blanks were analyzed at the required frequency and were free of contamination that would have affected the reported sample results, with exception of the following:

- Method TO-15 SIM, air matrix, tetrachloroethylene was detected in the laboratory method blank at levels greater than the method detection limit. Associated detected air sample results that were less than or equal to five times the blank concentration were qualified as non-detects ("U" flagged) at the measured concentration. The affected sample results are noted in Table 2.

Trip Blanks

TBs were collected at the frequencies stipulated in the QAPP, analyzed, and determined to be free of contamination.

Field Duplicates

During the investigation, one water FD and one air FD were collected at the required frequency of one FD for every 10 N samples collected, which meets the goal stated in the QAPP. A comparison of N sample counts and FD sample counts is presented in Table 4.

A list of FDs and associated parent samples is presented in Table 5.

The relative percent differences (RPDs) between the N and FD samples met all acceptance criteria.

Surrogates

Surrogates were used according to method requirements. Surrogate recoveries met the acceptance criteria stated in the QAPP.

Laboratory Control Samples

LCSs were analyzed as required and met all accuracy criteria.

Matrix Spikes

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. One water MS/MSD pair was collected at the same location as the corresponding parent sample, representing a collection frequency 20 percent, which exceeds the goal required in the QAPP. MS/MSDs are not appropriate for method TO-15 SIM and were not collected.

The U.S. Army Corps of Engineers-Kansas City (USACE KC) District Data Validation Guidelines (QAPP, Appendix E) defines when matrix influences may be significant. A range around the compound screening level is calculated based upon the sample result, the screening level, the percent recovery, and the RPD of the MS/MSD pair. If the sample result falls within that range, the matrix influence is considered significant. All sample results with MS/MSD qualifications were evaluated by this guidance. MS/MSD recoveries and the associated RPD met all criteria.

Internal Standards

Internal standard recovery criteria were met for all samples.

Chain of Custody

Each sample was documented in a completed chain-of-custody and received at the laboratory in good condition.

Overall Assessment

The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected and the resulting analytical data can be used to support the decision-making process. The procedures for assessing the precision, accuracy, representativeness, completeness, and comparability parameters (PARCC) were based on the approved QAPP. The following summarizes the PARCC findings:

- Sample integrity was maintained through collection and analysis and field QC samples were collected at the correct frequencies.
- The laboratory analyzed the samples according to the methods stated in the QAPP. Laboratory blank contamination affected one analyte in one air sample. Calibration exceedances affected one analyte in three groundwater samples. No other problems with the analytical system were indicated.
- Data were not affected by field procedures or matrix effects.
- No data were rejected; the data were 100 percent complete.
- The precision and accuracy of the data, as measured by field and laboratory QC indicators, suggest that the project goals have been met and the data are acceptable for project decision making as qualified.

TABLE 1
Samples Associated with DQE
St. Louis Ordnance Plant Vapor Intrusion Investigation Report, St. Louis, Missouri

Matrix	Sample ID	QAQC Type	Sample Date	SDG
AIR	[redacted]-AA-N	N	3/18/2008	H1543
AIR	SLOP-[redacted]-IA-NE	N	3/18/2008	H1543
AIR	SLOP-[redacted]-IA-SW	N	3/18/2008	H1543
AIR	SLOP-[redacted]-IA-SW-FD	FD	3/18/2008	H1543
AIR	SLOP-TB-03192008	TB	3/18/2008	H1543
WATER	SLOP-[redacted]-5-22	N	3/31/2008	2508946F
WATER	SLOP-[redacted]-5-25	N	3/31/2008	2508946F
WATER	SLOP-[redacted]-5-24	N	3/31/2008	2508946F
WATER	SLOP-[redacted]-5-24-FD	FD	3/31/2008	2508946F
WATER	TB-033108	TB	3/31/2008	2508946F

TABLE 2
Verification Findings
St. Louis Ordnance Plant Vapor Intrusion Investigation Report, St. Louis, Missouri

Matrix	Method	Analyte	Sample ID	Result	Units	Validation Reason	Final Validation Flag
AIR	TO15 SIM	PCE	SLOP-[redacted]-IA-NE	0.25	UG/M3	LB<RL	U
WATER	SW8260B	Acrolein	SLOP[redacted]-5-22	10	UG/L	CCV<RF	UJ
WATER	SW8260B	Acrolein	SLOP[redacted]-5-22	10	UG/L	IC RRF	UJ
WATER	SW8260B	Acrolein	SLOP-[redacted]-5-25	10	UG/L	CCV<RF	UJ
WATER	SW8260B	Acrolein	SLOP-[redacted]-5-25	10	UG/L	IC RRF	UJ
WATER	SW8260B	Acrolein	SLOP-[redacted]-5-24	10	UG/L	CCV<RF	UJ
WATER	SW8260B	Acrolein	SLOP-[redacted]-5-24	10	UG/L	IC RRF	UJ
WATER	SW8260B	Acrolein	SLOP-[redacted]-5-24-FD	10	UG/L	CCV<RF	UJ
WATER	SW8260B	Acrolein	SLOP-[redacted]-5-24-FD	10	UG/L	IC RRF	UJ

PCE - tetrachloroethylene

TABLE 3
Verification Reason Code Descriptions
St. Louis Ordnance Plant Vapor Intrusion Report, St. Louis, Missouri

Verification Reason Code	Verification Reason Code Description
CCV<RF	Continuing calibration response factor below LCL
IC RRF	Initial calibration relative response factor below LCL
LB<RL	Laboratory blank contamination less than the RL

TABLE 4
N and FD Sample Counts by Matrix and Method
St. Louis Ordnance Plant Vapor Intrusion Investigation Report, St. Louis, Missouri

Matrix	Method	N Sample Count	FD Sample Count
AIR	TO15 SIM	3	1
WATER	SW8260B	3	1

TABLE 5
List of Field Duplicates
St. Louis Ordnance Plant Vapor Intrusion Investigation Report, St. Louis, Missouri

Matrix	FD Sample ID	Parent Sample ID
WATER	SLOP[redacted]-5-24-FD	SLOP-[redacted]-5-24
AIR	SLOP-[redacted]-IA-SW-FD	SLOP-[redacted]-IA-SW

Attachment 1
Groundwater Results

PEL a division of Spectrum Analytical, Inc.
featuring HANIBAL TECHNOLOGY

Customer Name:	CH2M Hill
Date and Time Received:	4/1/2008 12:45:00 PM
Date Reported:	4/18/2008
Laboratory Submission Number/SDG:	2508946
Project:	St. Louis Ordnance Plant

Samples: The submission consisted of 9 samples with sample identification shown in the attached data tables.

Tests: The samples were analyzed for the methods listed on the attached table of contents.

Results: See the attached data tables for results.

Distribution of Report to:

CH2M Hill
Attn: Dave Lee
Phone: W 314-421-0900

Respectfully Submitted,

Brian Spann
Laboratory Director
PEL a division of Spectrum Analytical, Inc.
featuring Hanibal Technology

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are f the exclusive use of the client to whom they are addressed. Our Letters and reports apply to the sample tested and are not necessarily indicative o the qualities of apparently identical or similar materials

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Raw Data Method 8260 TCLP AO-388
Raw Data Inorganics/Metals AI-1

EXECUTIVE SUMMARY - Detection Highlights

2508946

SAMPLE ID: SLOP-[redacted]-5-24

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Acetone	9.3 J	12	UG/L	SW8260B

SAMPLE ID: SLOP[redacted]-5-24-FD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Acetone	9.2 J	12	UG/L	SW8260B

SAMPLE ID: SLOPVI-033108

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Lead	368	15	UG/L	SW6010B

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Organics

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Organic Data Qualifiers

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

A This qualifier indicates that a TIC is a suspected aldol-condensation product.

X Data flagged as rejected by analyst utilizing analytical judgement.

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Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

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GC/MS VOLATILE ORGANICS

METHOD 8260

180408 1645

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - SLOP[redacted]-5-25MS was analyzed with the water samples on 04/04/08. The following analyte(s) were recovered above criteria: 1,1,1-Trichloroethane at 116 % with criteria of (86-114), 1,2,4-Trimethylbenzene at 108 % with criteria of (91-106), 2,2-Dichloropropane at 124 % with criteria of (62-114), 4-Chlorotoluene at

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

106 % with criteria of (86-104), Bromomethane at 126 % with criteria of (83-120), Hexachlorobutadiene at 118 % with criteria of (79-107), Isopropylbenzene (Cumene) at 108 % with criteria of (91-107), trans-1,3-Dichloropropene at 114 % with criteria of (70-108).

SD - SLOP-[redacted]-5-25SD was analyzed with the water samples on 04/04/08. The following analyte(s) were recovered above criteria: 1,1,1-Trichloroethane at 116 % with criteria of (86-114), 2,2-Dichloropropane at 122 % with criteria of (62-114), Bromomethane at 127 % with criteria of (83-120), cis-1,3-Dichloropropene at 112 % with criteria of (79-109), Hexachlorobutadiene at 112 % with criteria of (79-107), trans-1,3-Dichloropropene at 116 % with criteria of (70-108). The following analyte(s) exceeded RPD criteria: 2-Hexanone at 8 % with criteria of (7), Acrolein at 12.7 % with criteria of (10), Vinyl acetate at 15.7 % with criteria of (14).

No further action was required. Samples coded accordingly.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 04/04/2008**

CASE NARRATIVE

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Calibration Sample: STD591537 Analyte: Acrolein Reason: Target peak was not integrated automatically by software generator
Calibration Sample: STD591537 Analyte: Hexachlorobutadiene Reason: Target peak was not integrated automatically by software generator
Calibration Sample: STD591537 Analyte: Vinyl acetate Reason: Target peak was not integrated automatically by software generator

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 04/04/2008**

SECTION LEADER: **DATE: 04/04/2008**

VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Method: 8260

EPA Sample No	Lab Sample ID
SLOP[redacted]-5-24	250894601
SLOP-[redacted]-5-24-FD	250894602
SLOP-[redacted]-5-25	250894603
TB-033108	250894605
SLOPVI-033108	250894606
SLOP-[redacted]5-22	250894607

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Sample Data

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1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894601 Lab File ID: 94601.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1013

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	9.3	J
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP[redacted]-5-24

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894601 Lab File ID: 94601.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1013

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894601 Lab File ID: 94601.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1013

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24-FD

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894602 Lab File ID: 94602.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1036

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	9.2	J
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP[redacted]-5-24-FD

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894602 Lab File ID: 94602.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1036

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP[redacted]-5-24-FD

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894602 Lab File ID: 94602.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1036

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-25

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894603 Lab File ID: 94603.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0949

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-25

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894603 Lab File ID: 94603.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0949

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-25

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894603 Lab File ID: 94603.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0949

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TB-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894605 Lab File ID: 94605.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1100

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: TB-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894605 Lab File ID: 94605.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1100

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

TB-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894605 Lab File ID: 94605.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1100

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606 Lab File ID: 94606.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1123

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606 Lab File ID: 94606.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1123

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606 Lab File ID: 94606.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1123

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP[redacted]-5-22

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894607 Lab File ID: 94607.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1146

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-22

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894607 Lab File ID: 94607.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1146

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP[redacted]-5-22

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894607 Lab File ID: 94607.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1146

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

QC Summary

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408BLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 04/04/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0902

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408BLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 04/04/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0902

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408BLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 04/04/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0902

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 040408BLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID: BLK32.D Lab Sample ID: 040408BLKA32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 04/04/08

Level:(low/med) LOW Time Analyzed: 0902

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	040408LCSA32	040408LCSA32	LCS32.D	04/04/08	0706
2	SLOP-[redacted]-5-25MS	250894608	94608MS.D	04/04/08	0729
3	SLOP-[redacted]-5-25SD	250894609	94609SD.D	04/04/08	0752
4	SLOP[redacted]-5-25	250894603	94603.D	04/04/08	0949
5	SLOP[redacted]-5-24	250894601	94601.D	04/04/08	1013
6	SLOP-[redacted]-5-24-FD	250894602	94602.D	04/04/08	1036
7	TB-033108	250894605	94605.D	04/04/08	1100
8	SLOPVI-033108	250894606	94606.D	04/04/08	1123
9	SLOP-[redacted]5-22	250894607	94607.D	04/04/08	1146

COMMENTS:

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 2508946

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
040408BLKA32	102.0	101.0	98.6	104.0			0
040408LCSA32	99.8	99.6	97.6	103.0			0
SLOP-[redacted]-5-22	104.0	102.0	101.0	97.4			0
SLOP[redacted]-5-25	102.0	97.4	95.4	104.0			0
SLOP[redacted]-5-25MS	98.8	99.2	94.8	98.8			0
SLOP[redacted]-5-25SD	105.0	103.0	95.2	105.0			0
SLOP-[redacted]-5-24	101.0	98.8	98.2	108.0			0
SLOP[redacted]-5-24-FD	104.0	103.0	98.6	106.0			0
SLOPVI-033108	102.0	103.0	103.0	87.6			0
TB-033108	104.0	101.0	98.4	107.0			0

Control Limits

S1	= Dibromofluoromethane	86 -	118
S2	= Toluene d8	88 -	110
S3	= 4-Bromofluorobenzene	86 -	115
S4	= 1,2-Dichloroethane-d4	80 -	120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

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VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID: BFB31.D BFB Injection Date: 03/25/08

Instrument ID: VMS03 BFB Injection Time: 0544

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	22	
75	30.0 - 60.0% of mass 95	50.2	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.2	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	61.9	
175	5.0 - 9.0% of mass 174	4.9	(7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.3	(97.4)1
177	5.0 - 9.0% of mass 176	4.5	(7.4)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD591537	1PPBCAL	1PPB.D	03/25/08	0659
2	STD591544	80PPBCAL	80PPB.D	03/25/08	0723
3	STD591543	60PPBCAL	60PPB.D	03/25/08	0747
4	STD591541	50PPBCAL	50PPB.D	03/25/08	0811
5	STD591538	20PPBCAL	20PPB.D	03/25/08	0835
6	STD591536	10PPBCAL	10PPB.D	03/25/08	0859
7	STD591542	5PPBCAL	5PPB.D	03/25/08	0923
8	STD591539	2PPBCAL	2PPB.D	03/25/08	0947
9	SSC591580	SEC31	SEC31.D	03/25/08	1012

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VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID: BFB31.D BFB Injection Date: 04/04/08

Instrument ID: VMS03 BFB Injection Time: 0531

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19.1	
75	30.0 - 60.0% of mass 95	50.1	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	70.6	
175	5.0 - 9.0% of mass 174	5.4	(7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	69.1	(97.9)1
177	5.0 - 9.0% of mass 176	4.4	(6.4)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV593563	040408CCVA32	T50CCV32.D	04/04/08	0642
2	040408LCSA32	040408LCSA32	LCS32.D	04/04/08	0706
3	SLOP-[redacted]-5-25MS	250894608	94608MS.D	04/04/08	0729
4	SLOP-[redacted]-5-25SD	250894609	94609SD.D	04/04/08	0752
5	040408BLKA32	040408BLKA32	BLK32.D	04/04/08	0902
6	SLOP[redacted]-5-25	250894603	94603.D	04/04/08	0949
7	SLOP[redacted]-5-24	250894601	94601.D	04/04/08	1013
8	SLOP[redacted]-5-24-FD	250894602	94602.D	04/04/08	1036
9	TB-033108	250894605	94605.D	04/04/08	1100
10	SLOPVI-033108	250894606	94606.D	04/04/08	1123
11	SLOP[redacted]-5-22	250894607	94607.D	04/04/08	1146

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID (Standard): 50PPB.D Date Analyzed: 3/25/2008

Instrument ID: VMS03 Time Analyzed: 8:11

GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	822247		10.58	457500		13.00	1166142		7.27
	UPPER LIMIT	1644494		11.08	915000		13.50	2332284		7.77
	LOWER LIMIT	411123.5		10.08	228750		12.50	583071		6.77
	EPA SAMPLE NO.									
1	040408LCSA32	761205		10.58	429549		13.00	1067018		7.27
2	SLOP-[redacted]-5-25MS	766701		10.58	433743		13.00	1058625		7.27
3	SLOP[redacted]-5-25SD	763475		10.58	436931		13.00	1040301		7.27
4	040408BLKA32	748615		10.58	410378		13.00	1029024		7.28
5	SLOP-[redacted]-5-25	748644		10.58	408233		13.00	1012089		7.28
6	SLOP[redacted]-5-24	741835		10.58	406884		13.00	1032908		7.28
7	SLOP-[redacted]-5-24-FD	742364		10.58	405512		13.00	998166		7.28
8	TB-033108	740269		10.58	405670		13.00	1012855		7.28
9	SLOPVI-033108	669383		10.58	331128		13.00	867233		7.28
10	SLOP-[redacted]-5-22	735862		10.58	387863		13.00	977869		7.28

IS1 = Chlorobenzene d5

IS2 = 1,4-Dichlorobenzene-d4

IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

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VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

040408LCSA32

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	21	105.0		20.0	62 - 133
Chloromethane	20	21.1	106.0		20.0	63 - 124
Vinyl chloride	20	19.8	99.0		13.0	60 - 124
Bromomethane	20	22.7	114.0		20.0	58 - 144
Chloroethane	20	21	105.0		16.0	72 - 135
Trichlorofluoromethane	20	20.7	104.0		21.0	74 - 135
1,1-Dichloroethene	20	22.1	110.0		12.0	81 - 119
Acrolein	60	56.8	94.7		20.0	61 - 125
Methyl iodide	20	17.9	89.5		20.0	56 - 133
Carbon disulfide	20	19.6	98.0		13.0	65 - 121
Methylene chloride	20	19.2	96.0		20.0	75 - 111
trans-1,2-Dichloroethene	20	21.5	108.0		11.0	79 - 121
Acrylonitrile	60	56.6	94.3		17.0	62 - 132
1,1-Dichloroethane	20	21	105.0		9.0	76 - 118
Acetone	60	58.4	97.3		18.0	45 - 156
2,2-Dichloropropane	20	25.1	126.0		18.0	52 - 147
cis-1,2-Dichloroethene	20	21.9	110.0		11.0	75 - 123
Bromochloromethane	20	20.1	100.0		13.0	70 - 116
2-Butanone	60	56.2	93.7		15.0	76 - 124
Chloroform	20	22	110.0		11.0	80 - 115
1,1,1-Trichloroethane	20	24.3	122.0		14.0	79 - 123
Carbon tetrachloride	20	23.7	118.0		11.0	67 - 138
1,1-Dichloropropene	20	22	110.0		13.0	80 - 119
Benzene	20	21	105.0		11.0	71 - 120
1,2-Dichloroethane	20	21.8	109.0		7.0	83 - 114
Trichloroethene	20	21.8	109.0		11.0	76 - 123
Vinyl acetate	20	20.2	101.0		11.0	49 - 136
1,2-Dichloropropane	20	19.6	98.0		8.0	74 - 118
Dibromomethane	20	22.2	111.0		15.0	75 - 119
Bromodichloromethane	20	22.2	111.0		9.0	78 - 117
cis-1,3-Dichloropropene	20	22.3	112.0		9.0	63 - 129
4-Methyl-2-pentanone	60	57.3	95.5		10.0	61 - 134

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

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Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

040408LCSA32

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Toluene	20	21.7	108.0		7.0	75 - 119
trans-1,3-Dichloropropene	20	23.8	119.0		8.0	68 - 127
1,1,2-Trichloroethane	20	22	110.0		8.0	80 - 117
Tetrachloroethene	20	22.9	114.0		9.0	70 - 130
1,3-Dichloropropane	20	21.5	108.0		9.0	83 - 112
2-Hexanone	60	59.3	98.8		11.0	75 - 132
Dibromochloromethane	20	23.3	116.0		10.0	78 - 123
1,2-Dibromoethane(EDB)	20	22.6	113.0		8.0	84 - 121
Chlorobenzene	20	21.5	108.0		8.0	70 - 130
1,1,1,2-Tetrachloroethane	20	23.3	116.0		11.0	75 - 133
Ethylbenzene	20	22.2	111.0		11.0	70 - 130
p,m-Xylene	40	44.7	112.0		12.0	70 - 130
o-Xylene	20	22.1	110.0		13.0	70 - 130
Styrene	20	22.5	112.0		12.0	70 - 130
Bromoform	20	23.9	120.0		14.0	71 - 128
Isopropylbenzene (Cumene)	20	21.9	110.0		11.0	83 - 123
Bromobenzene	20	20.2	101.0		9.0	74 - 120
1,1,2,2-Tetrachloroethane	20	20.8	104.0		8.0	84 - 113
1,2,3-Trichloropropane	20	22.9	114.0		20.0	84 - 119
n-Propylbenzene	20	21.5	108.0		11.0	82 - 121
2-Chlorotoluene	20	21.7	108.0		10.0	70 - 130
4-Chlorotoluene	20	22.1	110.0		12.0	83 - 123
1,3,5-Trimethylbenzene	20	22.3	112.0		12.0	84 - 124
tert-Butylbenzene	20	22.7	114.0		20.0	82 - 125
1,2,4-Trimethylbenzene	20	22.3	112.0		9.0	82 - 124
sec-Butylbenzene	20	22	110.0		16.0	83 - 122
1,3-Dichlorobenzene	20	22.1	110.0		8.0	84 - 118
1,4-Dichlorobenzene	20	21.6	108.0		10.0	70 - 130
4-Isopropyltoluene	20	22.2	111.0		11.0	83 - 126
n-Butylbenzene	20	22.3	112.0		14.0	83 - 125
1,2-Dichlorobenzene	20	21.7	108.0		11.0	70 - 130
1,2-Dibromo-3-chloropropane	20	22.8	114.0		18.0	63 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

180408 1645

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

040408LCSA32

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,2,4-Trichlorobenzene	20	23.1	116.0		20.0	83 - 123
Hexachlorobutadiene	20	23.7	118.0		20.0	68 - 149
Naphthalene	20	23.7	118.0		13.0	80 - 131
1,2,3-Trichlorobenzene	20	23.2	116.0		16.0	73 - 141
MTBE	20	19.6	98.0		17.0	76 - 123

Spike Recovery: 0 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

180408 1645

Form III

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP SLOP[redacted]-5-25MS

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Dichlorodifluoromethane	20	0	22.2	111.0	72 - 127
Chloromethane	20	0	21.8	109.0	75 - 111
Vinyl chloride	20	0	22	110.0	78 - 110
Bromomethane	20	0	25.1	126.0 *	83 - 120
Chloroethane	20	0	22.3	112.0	85 - 121
Trichlorofluoromethane	20	0	22.3	112.0	88 - 119
1,1-Dichloroethene	20	0	22.3	112.0	89 - 113
Acrolein	60	0	49.2	82.0	34 - 122
Methyl iodide	20	0	18.2	91.0	80 - 114
Carbon disulfide	20	0	20.5	102.0	67 - 124
Methylene chloride	20	0	18.3	91.5	88 - 113
trans-1,2-Dichloroethene	20	0	21.1	106.0	85 - 113
Acrylonitrile	60	0	53.1	88.5	85 - 114
1,1-Dichloroethane	20	0	21.2	106.0	91 - 110
Acetone	60	0	53.8	89.7	76 - 133
2,2-Dichloropropane	20	0	24.9	124.0 *	62 - 114
cis-1,2-Dichloroethene	20	0	21.8	109.0	89 - 117
Bromochloromethane	20	0	19.1	95.5	86 - 107
2-Butanone	60	0	51.5	85.8	75 - 113
Chloroform	20	0	22	110.0	89 - 114
1,1,1-Trichloroethane	20	0	23.3	116.0 *	86 - 114
Carbon tetrachloride	20	0	23.6	118.0	85 - 125
1,1-Dichloropropene	20	0	22.3	112.0	87 - 116
Benzene	20	0	20.7	104.0	92 - 110
1,2-Dichloroethane	20	0	21.8	109.0	88 - 113
Trichloroethene	20	0	22.4	112.0	78 - 119
Vinyl acetate	20	0	17.6	88.0	86 - 115
1,2-Dichloropropane	20	0	19.5	97.5	92 - 109
Dibromomethane	20	0	20.8	104.0	93 - 117
Bromodichloromethane	20	0	22.1	110.0	83 - 114

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

_____

Form III

180408 1645

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP SLOP[redacted]-5-25MS

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
cis-1,3-Dichloropropene	20	0	21.6	108.0	79 - 109
4-Methyl-2-pentanone	60	0	52.9	88.2	67 - 113
Toluene	20	0	21.6	108.0	89 - 121
trans-1,3-Dichloropropene	20	0	22.8	114.0 *	70 - 108
1,1,2-Trichloroethane	20	0	21	105.0	89 - 116
Tetrachloroethene	20	0	23	115.0	88 - 115
1,3-Dichloropropane	20	0	20.9	104.0	94 - 109
2-Hexanone	60	0	54.2	90.3	65 - 118
Dibromochloromethane	20	0	22.1	110.0	78 - 114
1,2-Dibromoethane(EDB)	20	0	21.1	106.0	90 - 109
Chlorobenzene	20	0	21.3	106.0	35 - 148
1,1,1,2-Tetrachloroethane	20	0	22.7	114.0	90 - 114
Ethylbenzene	20	0	21.7	108.0	93 - 111
p,m-Xylene	40	0	43.6	109.0	93 - 111
o-Xylene	20	0	21.8	109.0	90 - 109
Styrene	20	0	21.9	110.0	93 - 111
Bromoform	20	0	21.1	106.0	57 - 117
Isopropylbenzene (Cumene)	20	0	21.6	108.0 *	91 - 107
Bromobenzene	20	0	19	95.0	77 - 100
1,1,2,2-Tetrachloroethane	20	0	18.6	93.0	85 - 100
1,2,3-Trichloropropane	20	0	20.4	102.0	89 - 117
n-Propylbenzene	20	0	21.3	106.0	91 - 109
2-Chlorotoluene	20	0	21.1	106.0	84 - 108
4-Chlorotoluene	20	0	21.3	106.0 *	86 - 104
1,3,5-Trimethylbenzene	20	0	21.7	108.0	93 - 112
tert-Butylbenzene	20	0	22	110.0	93 - 110
1,2,4-Trimethylbenzene	20	0	21.6	108.0 *	91 - 106
sec-Butylbenzene	20	0	21.4	107.0	94 - 109
1,3-Dichlorobenzene	20	0	21.2	106.0	84 - 112
1,4-Dichlorobenzene	20	0	21	105.0	56 - 132

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

180408 1645

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP | SLOP[redacted]-5-25MS

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
4-Isopropyltoluene	20	0	21.8	109.0	94 - 112
n-Butylbenzene	20	0	21.6	108.0	89 - 112
1,2-Dichlorobenzene	20	0	20.7	104.0	87 - 110
1,2-Dibromo-3-chloropropane	20	0	20.6	103.0	79 - 109
1,2,4-Trichlorobenzene	20	0	21.4	107.0	87 - 107
Hexachlorobutadiene	20	0	23.7	118.0 *	79 - 107
Naphthalene	20	0	20.5	102.0	83 - 118
1,2,3-Trichlorobenzene	20	0	21	105.0	83 - 105
MTBE	20	0	18.3	91.5	90 - 111

Spike Recovery: 8 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

180408 1645

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP SLOP-[redacted]-5-25SD

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	22.2	111.0	0.0	13	72 - 127
Chloromethane	20	21	105.0	3.7	19	75 - 111
Vinyl chloride	20	21.2	106.0	3.7	15	78 - 110
Bromomethane	20	25.4	127.0 *	1.2	20	83 - 120
Chloroethane	20	22.7	114.0	1.8	18	85 - 121
Trichlorofluoromethane	20	22	110.0	1.4	20	88 - 119
1,1-Dichloroethene	20	21.9	110.0	1.8	17	89 - 113
Acrolein	60	55.9	93.2	12.7 *	10	34 - 122
Methyl iodide	20	18.3	91.5	0.5	20	80 - 114
Carbon disulfide	20	20.2	101.0	1.5	16	67 - 124
Methylene chloride	20	18.1	90.5	1.1	20	88 - 113
trans-1,2-Dichloroethene	20	20.9	104.0	1.0	13	85 - 113
Acrylonitrile	60	58.8	98.0	10.2	12	85 - 114
1,1-Dichloroethane	20	20.7	104.0	2.4	16	91 - 110
Acetone	60	63.6	106.0	16.7	17	76 - 133
2,2-Dichloropropane	20	24.3	122.0 *	2.4	11	62 - 114
cis-1,2-Dichloroethene	20	21.7	108.0	0.5	13	89 - 117
Bromochloromethane	20	19	95.0	0.5	13	86 - 107
2-Butanone	60	57.6	96.0	11.2	20	75 - 113
Chloroform	20	22.1	110.0	0.5	10	89 - 114
1,1,1-Trichloroethane	20	23.3	116.0 *	0.0	19	86 - 114
Carbon tetrachloride	20	23	115.0	2.6	16	85 - 125
1,1-Dichloropropene	20	21.8	109.0	2.3	10	87 - 116
Benzene	20	20.8	104.0	0.5	7	92 - 110
1,2-Dichloroethane	20	22	110.0	0.9	11	88 - 113
Trichloroethene	20	22	110.0	1.8	16	78 - 119
Vinyl acetate	20	20.6	103.0	15.7 *	14	86 - 115
1,2-Dichloropropane	20	20	100.0	2.5	10	92 - 109
Dibromomethane	20	21.5	108.0	3.3	8	93 - 117
Bromodichloromethane	20	21.8	109.0	1.4	11	83 - 114

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

180408 1645

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP | SLOP[redacted]-5-25SD

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	20	22.3	112.0 *	3.2	14	79 - 109
4-Methyl-2-pentanone	60	55.6	92.7	5.0	8	67 - 113
Toluene	20	21.5	108.0	0.5	13	89 - 121
trans-1,3-Dichloropropene	20	23.2	116.0 *	1.7	8	70 - 108
1,1,2-Trichloroethane	20	21.4	107.0	1.9	13	89 - 116
Tetrachloroethene	20	21.8	109.0	5.4	12	88 - 115
1,3-Dichloropropane	20	20.6	103.0	1.4	8	94 - 109
2-Hexanone	60	58.7	97.8	8.0 *	7	65 - 118
Dibromochloromethane	20	22.1	110.0	0.0	11	78 - 114
1,2-Dibromoethane(EDB)	20	21.3	106.0	0.9	14	90 - 109
Chlorobenzene	20	20.7	104.0	2.9	7	35 - 148
1,1,1,2-Tetrachloroethane	20	22.8	114.0	0.4	12	90 - 114
Ethylbenzene	20	21.3	106.0	1.9	14	93 - 111
p,m-Xylene	40	43.1	108.0	1.2	11	93 - 111
o-Xylene	20	21.6	108.0	0.9	8	90 - 109
Styrene	20	21.4	107.0	2.3	7	93 - 111
Bromoform	20	21.9	110.0	3.7	14	57 - 117
Isopropylbenzene (Cumene)	20	20.9	104.0	3.3	12	91 - 107
Bromobenzene	20	19	95.0	0.0	8	77 - 100
1,1,2,2-Tetrachloroethane	20	19.5	97.5	4.7	11	85 - 100
1,2,3-Trichloropropane	20	21.4	107.0	4.8	12	89 - 117
n-Propylbenzene	20	20.2	101.0	5.3	10	91 - 109
2-Chlorotoluene	20	20.4	102.0	3.4	11	84 - 108
4-Chlorotoluene	20	20.6	103.0	3.3	13	86 - 104
1,3,5-Trimethylbenzene	20	21.2	106.0	2.3	8	93 - 112
tert-Butylbenzene	20	21.7	108.0	1.4	22	93 - 110
1,2,4-Trimethylbenzene	20	21	105.0	2.8	11	91 - 106
sec-Butylbenzene	20	20.9	104.0	2.4	12	94 - 109
1,3-Dichlorobenzene	20	20.8	104.0	1.9	14	84 - 112
1,4-Dichlorobenzene	20	20.4	102.0	2.9	11	56 - 132

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

180408 1645

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP SLOP-[redacted]-5-25SD

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Isopropyltoluene	20	21.2	106.0	2.8	7	94 - 112
n-Butylbenzene	20	20.9	104.0	3.3	30	89 - 112
1,2-Dichlorobenzene	20	20.8	104.0	0.5	8	87 - 110
1,2-Dibromo-3-chloropropane	20	20.8	104.0	1.0	20	79 - 109
1,2,4-Trichlorobenzene	20	20.9	104.0	2.4	16	87 - 107
Hexachlorobutadiene	20	22.5	112.0 *	5.2	19	79 - 107
Naphthalene	20	21.2	106.0	3.4	9	83 - 118
1,2,3-Trichlorobenzene	20	21	105.0	0.0	12	83 - 105
MTBE	20	19.4	97.0	5.8	11	90 - 111

RPD: 3 out of 69 outside limits

Spike Recovery: 6 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

180408 1645

Standards Data

180408 1645

6

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.226	0.265	0.303	0.266	0.265			
Chloromethane	#	0.409	0.341	0.328	0.274	0.305			#
Vinyl chloride	*	0.286	0.261	0.280	0.237	0.214			*
Bromomethane		0.145	0.135	0.147	0.132	0.132			
Chloroethane		0.223	0.163	0.201	0.168	0.169			
Trichlorofluoromethane		0.377	0.368	0.424	0.375	0.371			
1,1-Dichloroethene	*	0.417	0.458	0.468	0.412	0.429			*
Acrolein		0.046	0.041	0.043	0.043	0.045			
Methyl iodide		0.409	0.374	0.408	0.392	0.394			
Carbon disulfide		0.681	0.726	0.750	0.711	0.725			
Methylene chloride		0.531	0.469	0.474	0.445	0.452			
trans-1,2-Dichloroethene		0.424	0.444	0.447	0.408	0.419			
Acrylonitrile		0.102	0.108	0.118	0.111	0.114			
1,1-Dichloroethane	#	0.509	0.523	0.534	0.506	0.522			#
Acetone			0.083	0.078	0.076	0.073			
2,2-Dichloropropane		0.167	0.186	0.200	0.192	0.200			
cis-1,2-Dichloroethene		0.291	0.300	0.305	0.294	0.302			
Bromochloromethane		0.288	0.289	0.274	0.266	0.279			
2-Butanone		0.121	0.124	0.118	0.120	0.115			
Chloroform	*	0.514	0.518	0.535	0.499	0.516			*
1,1,1-Trichloroethane		0.324	0.319	0.345	0.322	0.342			
Carbon tetrachloride		0.293	0.299	0.303	0.287	0.306			
1,1-Dichloropropene		0.356	0.378	0.379	0.360	0.379			
Benzene		1.215	1.197	1.196	1.119	1.124			
1,2-Dichloroethane		0.364	0.402	0.395	0.388	0.383			
Trichloroethene		0.237	0.268	0.274	0.257	0.265			
Vinyl acetate		0.429	0.382	0.417	0.399	0.422			
1,2-Dichloropropane	*	0.306	0.334	0.335	0.326	0.325			*
Dibromomethane		0.160	0.162	0.167	0.160	0.166			
Bromodichloromethane		0.345	0.378	0.378	0.359	0.368			
cis-1,3-Dichloropropene		0.349	0.355	0.359	0.373	0.387			
4-Methyl-2-pentanone		0.650	0.614	0.692	0.658	0.665			
Toluene	*	0.655	0.749	0.724	0.711	0.714			*
trans-1,3-Dichloropropene		0.273	0.288	0.309	0.301	0.326			

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2	
1,1,2-Trichloroethane		0.246	0.236	0.243	0.236	0.247			
Tetrachloroethene		0.264	0.259	0.269	0.266	0.278			
1,3-Dichloropropane		0.583	0.607	0.617	0.599	0.614			
2-Hexanone		0.233	0.259	0.265	0.257	0.271			
Dibromochloromethane		0.315	0.331	0.334	0.340	0.372			
1,2-Dibromoethane(EDB)		0.319	0.320	0.337	0.335	0.354			
Chlorobenzene	#	1.106	1.080	1.062	1.039	1.068			#
1,1,1,2-Tetrachloroethane		0.315	0.320	0.312	0.323	0.334			
Ethylbenzene	*	0.554	0.579	0.571	0.572	0.589			*
p,m-Xylene		0.679	0.711	0.735	0.717	0.742			
o-Xylene		1.373	1.461	1.475	1.452	1.547			
Styrene		1.120	1.183	1.246	1.250	1.330			
Bromoform	#	0.176	0.184	0.195	0.191	0.209			#
Isopropylbenzene (Cumene)		2.965	3.145	3.376	3.287	3.258			
Bromobenzene		1.405	1.784	1.598	1.495	1.507			
1,1,2,2-Tetrachloroethane	#	0.859	0.861	0.874	0.827	0.854			#
1,2,3-Trichloropropane		0.234	0.257	0.269	0.247	0.258			
n-Propylbenzene		3.720	3.874	4.163	4.009	4.067			
2-Chlorotoluene		2.817	2.888	2.990	2.980	2.986			
4-Chlorotoluene		2.644	2.757	2.933	2.877	2.806			
1,3,5-Trimethylbenzene		2.603	2.718	2.963	2.956	2.984			
tert-Butylbenzene		2.238	2.392	2.535	2.552	2.619			
1,2,4-Trimethylbenzene		2.783	2.942	3.147	3.088	3.076			
sec-Butylbenzene		3.001	3.204	3.386	3.358	3.480			
1,3-Dichlorobenzene		1.537	1.578	1.671	1.605	1.666			
1,4-Dichlorobenzene		1.701	1.629	1.619	1.663	1.688			
4-Isopropyltoluene		2.526	2.691	2.926	2.816	2.886			
n-Butylbenzene		2.326	2.465	2.603	2.560	2.633			
1,2-Dichlorobenzene		1.565	1.473	1.528	1.558	1.599			
1,2-Dibromo-3-chloropropane			0.115	0.126	0.130	0.142			
1,2,4-Trichlorobenzene		0.807	0.855	0.909	0.930	0.966			
Hexachlorobutadiene		0.200	0.220	0.220	0.213	0.214			
Naphthalene		1.689	2.051	2.095	2.196	2.382			
1,2,3-Trichlorobenzene		0.735	0.800	0.832	0.848	0.882			

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND	RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2
MTBE	0.702	0.720	0.756	0.725	0.736		
==========							
Dibromofluoromethane(SURR)		0.305	0.247	0.218	0.254		
Toluene d8(SURR)		1.168	0.952	0.902	1.023		
4-Bromofluorobenzene(SURR)		1.247	1.059	0.963	1.087		
1,2-Dichloroethane-d4(SURR)		0.066	0.055	0.052	0.062		

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND		RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2	
Dichlorodifluoromethane		0.286	0.303	0.279			0.27429	9.2	
Chloromethane	#	0.307	0.308	0.291			0.32027	12.9	#
Vinyl chloride	*	0.200	0.195	0.184			0.232	0.99979	*
Bromomethane		0.146	0.146	0.143			0.14056	4.7	
Chloroethane		0.176	0.184	0.174			0.1821	11	
Trichlorofluoromethane		0.393	0.413	0.405			0.39059	5.4	
1,1-Dichloroethene	*	0.435	0.451	0.447			0.4398	4.5	*
Acrolein		0.045	0.046	0.045			0.0443	4.1	
Methyl iodide		0.393	0.419	0.402			0.39891	3.4	
Carbon disulfide		0.745	0.789	0.767			0.73677	4.6	
Methylene chloride		0.448	0.457	0.451			0.46595	6.1	
trans-1,2-Dichloroethene		0.436	0.445	0.458			0.43511	3.8	
Acrylonitrile		0.118	0.117	0.115			0.11293	5	
1,1-Dichloroethane	#	0.523	0.536	0.537			0.52382	2.3	#
Acetone		0.069	0.071	0.065			0.07354	8.1	
2,2-Dichloropropane		0.213	0.218	0.215			0.19871	8.6	
cis-1,2-Dichloroethene		0.305	0.307	0.310			0.30161	2.1	
Bromochloromethane		0.281	0.280	0.285			0.28027	2.7	
2-Butanone		0.113	0.112	0.112			0.11688	3.9	
Chloroform	*	0.506	0.516	0.528			0.51654	2.2	*
1,1,1-Trichloroethane		0.345	0.355	0.350			0.33769	4.2	
Carbon tetrachloride		0.322	0.336	0.344			0.31127	6.6	
1,1-Dichloropropene		0.384	0.391	0.393			0.37764	3.6	
Benzene		1.147	1.160	1.169			1.16595	3	
1,2-Dichloroethane		0.382	0.393	0.395			0.38782	3	
Trichloroethene		0.260	0.272	0.271			0.26302	4.5	
Vinyl acetate		0.426	0.458	0.439			0.4215	5.5	
1,2-Dichloropropane	*	0.324	0.324	0.332			0.3259	2.8	*
Dibromomethane		0.168	0.171	0.172			0.16575	2.8	
Bromodichloromethane		0.386	0.396	0.396			0.37561	4.7	
cis-1,3-Dichloropropene		0.402	0.408	0.414			0.3807	6.7	
4-Methyl-2-pentanone		0.652	0.633	0.644			0.65101	3.5	
Toluene	*	0.714	0.728	0.735			0.71616	3.9	*
trans-1,3-Dichloropropene		0.350	0.354	0.364			0.32063	10.4	

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND		RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2	
1,1,2-Trichloroethane		0.241	0.243	0.247			0.24248	1.8	
Tetrachloroethene		0.280	0.287	0.284			0.27332	3.8	
1,3-Dichloropropane		0.620	0.624	0.613			0.60969	2.2	
2-Hexanone		0.265	0.266	0.259			0.25925	4.5	
Dibromochloromethane		0.372	0.378	0.385			0.35348	7.4	
1,2-Dibromoethane(EDB)		0.351	0.346	0.356			0.33967	4.3	
Chlorobenzene	#	1.050	1.058	1.067			1.06626	1.9	#
1,1,1,2-Tetrachloroethane		0.342	0.349	0.354			0.33102	4.8	
Ethylbenzene	*	0.596	0.599	0.607			0.5835	3	*
p,m-Xylene		0.738	0.750	0.744			0.72706	3.2	
o-Xylene		1.568	1.582	1.585			1.5054	5.1	
Styrene		1.329	1.351	1.351			1.27	6.7	
Bromoform	#	0.214	0.220	0.226			0.20185	8.9	#
Isopropylbenzene (Cumene)		3.324	3.311	3.425			3.2615	4.5	
Bromobenzene		1.526	1.521	1.548			1.54789	7.1	
1,1,2,2-Tetrachloroethane	#	0.832	0.817	0.821			0.84317	2.5	#
1,2,3-Trichloropropane		0.253	0.247	0.245			0.25125	4.1	
n-Propylbenzene		4.100	4.100	4.219			4.03143	4	
2-Chlorotoluene		2.924	2.892	3.002			2.93498	2.2	
4-Chlorotoluene		2.798	2.797	2.812			2.80298	3	
1,3,5-Trimethylbenzene		2.933	2.989	3.028			2.89674	5.2	
tert-Butylbenzene		2.630	2.660	2.696			2.5403	6.1	
1,2,4-Trimethylbenzene		3.143	3.122	3.207			3.06359	4.5	
sec-Butylbenzene		3.431	3.525	3.612			3.37467	5.7	
1,3-Dichlorobenzene		1.626	1.610	1.652			1.61823	2.8	
1,4-Dichlorobenzene		1.653	1.649	1.679			1.65999	1.7	
4-Isopropyltoluene		2.940	2.982	3.048			2.85176	6	
n-Butylbenzene		2.716	2.753	2.806			2.60784	6.1	
1,2-Dichlorobenzene		1.557	1.575	1.614			1.55871	2.8	
1,2-Dibromo-3-chloropropane		0.137	0.140	0.145			0.13376	7.9	
1,2,4-Trichlorobenzene		0.961	0.938	0.980			0.91833	6.5	
Hexachlorobutadiene		0.214	0.218	0.220			0.21506	3.1	
Naphthalene		2.361	2.319	2.360			2.18174	10.8	
1,2,3-Trichlorobenzene		0.858	0.840	0.851			0.83069	5.4	

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VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.1 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND	RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2
MTBE	0.752	0.784	0.732			0.7383	3.4
==========							
Dibromofluoromethane(SURR)	0.248	0.257	0.247			0.25368	10.2
Toluene d8(SURR)	0.988	1.005	0.992			1.0044	8.2
4-Bromofluorobenzene(SURR)	1.041	1.053	1.036			1.06937	8.2
1,2-Dichloroethane-d4(SURR)	0.059	0.062	0.059			0.05922	8.2

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 03/25/08 Time: 1012

CCV ID: SSC591580 Lab File ID: SEC31.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.27429	0.2614	4.7	AVRG	
Chloromethane	#	0.32027	0.29644	7.4	AVRG	#
Vinyl chloride	*	50	51.6	3.2	2ORD	*
Bromomethane		0.14056	0.14911	6.1	AVRG	
Chloroethane		0.1821	0.18292	0.5	AVRG	
Trichlorofluoromethane		0.39059	0.40916	4.8	AVRG	
1,1-Dichloroethene	*	0.4398	0.45324	3.1	AVRG	*
Acrolein		0.0443	0.04398	0.7	AVRG	
Methyl iodide		0.39891	0.41202	3.3	AVRG	
Carbon disulfide		0.73677	0.76515	3.9	AVRG	
Methylene chloride		0.46595	0.45928	1.4	AVRG	
trans-1,2-Dichloroethene		0.43511	0.44891	3.2	AVRG	
Acrylonitrile		0.11293	0.12029	6.5	AVRG	
1,1-Dichloroethane	#	0.52382	0.5444	3.9	AVRG	#
Acetone		0.07354	0.07195	2.2	AVRG	
2,2-Dichloropropane		0.19871	0.22054	11.0	AVRG	
cis-1,2-Dichloroethene		0.30161	0.31517	4.5	AVRG	
Bromochloromethane		0.28027	0.28919	3.2	AVRG	
2-Butanone		0.11688	0.11505	1.6	AVRG	
Chloroform	*	0.51654	0.53399	3.4	AVRG	*
1,1,1-Trichloroethane		0.33769	0.35429	4.9	AVRG	
Carbon tetrachloride		0.31127	0.33784	8.5	AVRG	
1,1-Dichloropropene		0.37764	0.39963	5.8	AVRG	
Benzene		1.16595	1.203	3.2	AVRG	
1,2-Dichloroethane		0.38782	0.40006	3.2	AVRG	
Trichloroethene		0.26302	0.27687	5.3	AVRG	
Vinyl acetate		0.4215	0.42743	1.4	AVRG	
1,2-Dichloropropane	*	0.3259	0.3364	3.2	AVRG	*
Dibromomethane		0.16575	0.17235	4.0	AVRG	
Bromodichloromethane		0.37561	0.39707	5.7	AVRG	
cis-1,3-Dichloropropene		0.3807	0.41364	8.7	AVRG	
4-Methyl-2-pentanone		0.65101	0.63858	1.9	AVRG	
Toluene	*	0.71616	0.74493	4.0	AVRG	*
trans-1,3-Dichloropropene		0.32063	0.3557	10.9	AVRG	
1,1,2-Trichloroethane		0.24248	0.24894	2.7	AVRG	
Tetrachloroethene		0.27332	0.29258	7.0	AVRG	

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 03/25/08 Time: 1012

CCV ID: SSC591580 Lab File ID: SEC31.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1,3-Dichloropropane		0.60969	0.64494	5.8	AVRG	
2-Hexanone		0.25925	0.27198	4.9	AVRG	
Dibromochloromethane		0.35348	0.38414	8.7	AVRG	
1,2-Dibromoethane(EDB)		0.33967	0.35704	5.1	AVRG	
Chlorobenzene	#	1.06626	1.092	2.4	AVRG	#
1,1,1,2-Tetrachloroethane		0.33102	0.35126	6.1	AVRG	
Ethylbenzene	*	0.5835	0.62207	6.6	AVRG	*
p,m-Xylene		0.72706	0.76992	5.9	AVRG	
o-Xylene		1.5054	1.617	7.4	AVRG	
Styrene		1.27	1.373	8.1	AVRG	
Bromoform	#	0.20185	0.22275	10.4	AVRG	#
Isopropylbenzene (Cumene)		3.2615	3.479	6.7	AVRG	
Bromobenzene		1.54789	1.563	1.0	AVRG	
1,1,2,2-Tetrachloroethane	#	0.84317	0.84466	0.2	AVRG	#
1,2,3-Trichloropropane		0.25125	0.25619	2.0	AVRG	
n-Propylbenzene		4.03143	4.275	6.0	AVRG	
2-Chlorotoluene		2.93498	3.063	4.4	AVRG	
4-Chlorotoluene		2.80298	2.899	3.4	AVRG	
1,3,5-Trimethylbenzene		2.89674	3.107	7.3	AVRG	
tert-Butylbenzene		2.5403	2.749	8.2	AVRG	
1,2,4-Trimethylbenzene		3.06359	3.28	7.1	AVRG	
sec-Butylbenzene		3.37467	3.623	7.4	AVRG	
1,3-Dichlorobenzene		1.61823	1.672	3.3	AVRG	
1,4-Dichlorobenzene		1.65999	1.692	1.9	AVRG	
4-Isopropyltoluene		2.85176	3.029	6.2	AVRG	
n-Butylbenzene		2.60784	2.838	8.8	AVRG	
1,2-Dichlorobenzene		1.55871	1.602	2.8	AVRG	
1,2-Dibromo-3-chloropropane		0.13376	0.14477	8.2	AVRG	
1,2,4-Trichlorobenzene		0.91833	0.96965	5.6	AVRG	
Hexachlorobutadiene		0.21506	0.21563	0.3	AVRG	
Naphthalene		2.18174	2.395	9.8	AVRG	
1,2,3-Trichlorobenzene		0.83069	0.86948	4.7	AVRG	
MTBE		0.7383	0.7687	4.1	AVRG	
==========						
Dibromofluoromethane(SURR)		0.25368	0.24132	4.9	AVRG	
Toluene d8(SURR)		1.0044	0.97413	3.0	AVRG	

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VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 03/25/08 Time: 1012

CCV ID: SSC591580 Lab File ID: SEC31.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.06937	1.011	5.5	AVRG
1,2-Dichloroethane-d4(SURR)	0.05922	0.05942	0.3	AVRG

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VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 04/04/08 Time: 0642

CCV ID: CCV593563 Lab File ID: T50CCV32.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Dichlorodifluoromethane		0.27429	0.28833	5.1	AVRG	
Chloromethane	#	0.32027	0.31907	0.4	AVRG	#
Vinyl chloride	*	50	51.4	2.8	2ORD	*
Bromomethane		0.14056	0.16673	18.6	AVRG	
Chloroethane		0.1821	0.18896	3.8	AVRG	
Trichlorofluoromethane		0.39059	0.40869	4.6	AVRG	
1,1-Dichloroethene	*	0.4398	0.47977	9.1	AVRG	*
Acrolein		0.0443	0.0423	4.5	AVRG	
Methyl iodide		0.39891	0.34137	14.4	AVRG	
Carbon disulfide		0.73677	0.73358	0.4	AVRG	
Methylene chloride		0.46595	0.4104	11.9	AVRG	
trans-1,2-Dichloroethene		0.43511	0.44148	1.5	AVRG	
Acrylonitrile		0.11293	0.1096	2.9	AVRG	
1,1-Dichloroethane	#	0.52382	0.52943	1.1	AVRG	#
Acetone		0.07354	0.0667	9.3	AVRG	
2,2-Dichloropropane		0.19871	0.23406	17.8	AVRG	
cis-1,2-Dichloroethene		0.30161	0.31919	5.8	AVRG	
Bromochloromethane		0.28027	0.26344	6.0	AVRG	
2-Butanone		0.11688	0.10309	11.8	AVRG	
Chloroform	*	0.51654	0.54529	5.6	AVRG	*
1,1,1-Trichloroethane		0.33769	0.39416	16.7	AVRG	
Carbon tetrachloride		0.31127	0.35474	14.0	AVRG	
1,1-Dichloropropene		0.37764	0.39485	4.6	AVRG	
Benzene		1.16595	1.151	1.3	AVRG	
1,2-Dichloroethane		0.38782	0.40386	4.1	AVRG	
Trichloroethene		0.26302	0.27236	3.6	AVRG	
Vinyl acetate		0.4215	0.41951	0.5	AVRG	
1,2-Dichloropropane	*	0.3259	0.30616	6.1	AVRG	*
Dibromomethane		0.16575	0.17114	3.3	AVRG	
Bromodichloromethane		0.37561	0.40586	8.1	AVRG	
cis-1,3-Dichloropropene		0.3807	0.41437	8.8	AVRG	
4-Methyl-2-pentanone		0.65101	0.58077	10.8	AVRG	
Toluene	*	0.71616	0.71868	0.4	AVRG	*
trans-1,3-Dichloropropene		0.32063	0.3745	16.8	AVRG	
1,1,2-Trichloroethane		0.24248	0.24004	1.0	AVRG	
Tetrachloroethene		0.27332	0.29507	8.0	AVRG	

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VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 04/04/08 Time: 0642

CCV ID: CCV593563 Lab File ID: T50CCV32.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1,3-Dichloropropane		0.60969	0.61378	0.7	AVRG	
2-Hexanone		0.25925	0.24573	5.2	AVRG	
Dibromochloromethane		0.35348	0.39769	12.5	AVRG	
1,2-Dibromoethane(EDB)		0.33967	0.36103	6.3	AVRG	
Chlorobenzene	#	1.06626	1.063	0.3	AVRG	#
1,1,1,2-Tetrachloroethane		0.33102	0.37148	12.2	AVRG	
Ethylbenzene	*	0.5835	0.59593	2.1	AVRG	*
p,m-Xylene		0.72706	0.76431	5.1	AVRG	
o-Xylene		1.5054	1.586	5.4	AVRG	
Styrene		1.27	1.342	5.7	AVRG	
Bromoform	#	0.20185	0.23106	14.5	AVRG	#
Isopropylbenzene (Cumene)		3.2615	3.288	0.8	AVRG	
Bromobenzene		1.54789	1.434	7.4	AVRG	
1,1,2,2-Tetrachloroethane	#	0.84317	0.77643	7.9	AVRG	#
1,2,3-Trichloropropane		0.25125	0.2536	0.9	AVRG	
n-Propylbenzene		4.03143	3.957	1.8	AVRG	
2-Chlorotoluene		2.93498	2.923	0.4	AVRG	
4-Chlorotoluene		2.80298	2.763	1.4	AVRG	
1,3,5-Trimethylbenzene		2.89674	2.973	2.6	AVRG	
tert-Butylbenzene		2.5403	2.631	3.6	AVRG	
1,2,4-Trimethylbenzene		3.06359	3.098	1.1	AVRG	
sec-Butylbenzene		3.37467	3.375	0.0	AVRG	
1,3-Dichlorobenzene		1.61823	1.623	0.3	AVRG	
1,4-Dichlorobenzene		1.65999	1.639	1.3	AVRG	
4-Isopropyltoluene		2.85176	2.941	3.1	AVRG	
n-Butylbenzene		2.60784	2.636	1.1	AVRG	
1,2-Dichlorobenzene		1.55871	1.542	1.1	AVRG	
1,2-Dibromo-3-chloropropane		0.13376	0.13688	2.3	AVRG	
1,2,4-Trichlorobenzene		0.91833	0.94681	3.1	AVRG	
Hexachlorobutadiene		0.21506	0.22433	4.3	AVRG	
Naphthalene		2.18174	2.3	5.4	AVRG	
1,2,3-Trichlorobenzene		0.83069	0.83016	0.1	AVRG	
MTBE		0.7383	0.73948	0.2	AVRG	
==========						
Dibromofluoromethane(SURR)		0.25368	0.25369	0.0	AVRG	
Toluene d8(SURR)		1.0044	0.98799	1.6	AVRG	

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FORM VII

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VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 04/04/08 Time: 0642

CCV ID: CCV593563 Lab File ID: T50CCV32.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.1 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
4-Bromofluorobenzene(SURR)	1.06937	1.002	6.3	AVRG
1,2-Dichloroethane-d4(SURR)	0.05922	0.0598	1.0	AVRG

GC/MS VOLATILE ORGANICS

METHOD 8260 TCLP

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CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

The TCLP samples were prepared by EPA 1311/SW846 for volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

All acceptance criteria were met.

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 04/04/2008**

CASE NARRATIVE

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

No manual integrations detected.

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 04/04/2008**

SECTION LEADER: **DATE: 04/04/2008**

VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: PEL Laboratories, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Method: 8260 TCLP

EPA Sample No	Lab Sample ID
SLOPUI-033108	250894604

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Sample Data

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1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOPUI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: SOIL Lab Sample ID: 250894604 Lab File ID: 94604.D

Sample wt/vol: 0.5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0926

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-35-4	1,1-Dichloroethene	0.01	U
107-06-2	1,2-Dichloroethane	0.01	U
78-93-3	2-Butanone	0.1	U
71-43-2	Benzene	0.01	U
56-23-5	Carbon tetrachloride	0.01	U
108-90-7	Chlorobenzene	0.01	U
67-66-3	Chloroform	0.01	U
127-18-4	Tetrachloroethene	0.01	U
79-01-6	Trichloroethene	0.01	U
75-01-4	Vinyl chloride	0.01	U

QC Summary

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408TBLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408TBLKA32 Lab File ID: TBLK32.D

Sample wt/vol: 0.5 Units: ML Date Received: 04/03/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0839

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: ug/l

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-35-4	1,1-Dichloroethene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	100	U
71-43-2	Benzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
67-66-3	Chloroform	10	U
127-18-4	Tetrachloroethene	10	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	10	U

4

VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 040408TBLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID: TBLK32.D Lab Sample ID: 040408TBLKA32

Instrument ID: VMS03 Date Extracted:

Matrix: WATER Date Analyzed: 04/04/08

Level:(low/med) LOW Time Analyzed: 0839

TCLP Analysis

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	040408LCSA32	040408LCSA32	TLCS32.D	04/04/08	0706
2	SLOPUI-033108	250894604	94604.D	04/04/08	0926

COMMENTS:

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 2508946

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
040408LCSA32	99.6	99.8	97.6	103.0			0
040408TBLKA32	98.2	99.2	95.8	103.0			0
SLOPUI-033108	102.0	104.0	98.0	106.0			0

Control Limits

S1	= Toluene d8	88 -	110
S2	= Dibromofluoromethane	86 -	118
S3	= 4-Bromofluorobenzene	86 -	115
S4	= 1,2-Dichloroethane-d4	80 -	120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

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VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID: BFB31.D BFB Injection Date: 03/25/08

Instrument ID: VMS03 BFB Injection Time: 0544

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	22	
75	30.0 - 60.0% of mass 95	50.2	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.2	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	61.9	
175	5.0 - 9.0% of mass 174	4.9	(7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.3	(97.4)1
177	5.0 - 9.0% of mass 176	4.5	(7.4)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD591537	1PPBCAL	1PPB.D	03/25/08	0659
2	STD591544	80PPBCAL	80PPB.D	03/25/08	0723
3	STD591543	60PPBCAL	60PPB.D	03/25/08	0747
4	STD591541	50PPBCAL	50PPB.D	03/25/08	0811
5	STD591538	20PPBCAL	20PPB.D	03/25/08	0835
6	STD591536	10PPBCAL	10PPB.D	03/25/08	0859
7	STD591542	5PPBCAL	5PPB.D	03/25/08	0923
8	STD591539	2PPBCAL	2PPB.D	03/25/08	0947
9	SSC591580	SEC31	SEC31.D	03/25/08	1012

5

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID: TBFB31.D BFB Injection Date: 04/04/08

Instrument ID: VMS03 BFB Injection Time: 0531

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19.1	
75	30.0 - 60.0% of mass 95	50.1	
95	Base Peak, 100% relative abundance	100	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0	(0)1
174	50.0 - 100.0% of mass 95	70.6	
175	5.0 - 9.0% of mass 174	5.4	(7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	69.1	(97.9)1
177	5.0 - 9.0% of mass 176	4.4	(6.4)2

1-Value is % of mass 174

2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV593563	040408CCVA32	T50CCV32.D	04/04/08	0642
2	040408LCSA32	040408LCSA32	TLCS32.D	04/04/08	0706
3	040408TBLKA32	040408TBLKA3	TBLK32.D	04/04/08	0839
4	SLOPUI-033108	250894604	94604.D	04/04/08	0926

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Lab File ID (Standard): 50PPB.D Date Analyzed: 3/25/2008

Instrument ID: VMS03 Time Analyzed: 8:11

GC Column: DB-624 ID: 0.18 (mm)

Matrix: (soil/water) W Heated Purge: (Y/N) No

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	457500		13.00	822247		10.58	1166142		7.27
	UPPER LIMIT	915000		13.50	1644494		11.08	2332284		7.77
	LOWER LIMIT	228750		12.50	411123.5		10.08	583071		6.77
	EPA SAMPLE NO.									
1	040408LCSA32	429549		13.00	761205		10.58	1067018		7.27
2	040408TBLKA32	408440		13.00	752460		10.58	1045022		7.28
3	SLOPUI-033108	407845		13.00	741416		10.58	1017721		7.28

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Chlorobenzene d5

IS3 = Fluorobenzene

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP | 040408LCSA32

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

TCLP Analysis

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	200	221	110.0		12.0	81 - 119
1,2-Dichloroethane	200	218	109.0		7.0	83 - 114
2-Butanone	600	562	93.7		15.0	76 - 124
Benzene	200	210	105.0		11.0	71 - 120
Carbon tetrachloride	200	237	118.0		11.0	67 - 138
Chlorobenzene	200	215	108.0		8.0	70 - 130
Chloroform	200	220	110.0		11.0	80 - 115
Tetrachloroethene	200	229	114.0		9.0	70 - 130
Trichloroethene	200	218	109.0		11.0	76 - 123
Vinyl chloride	200	198	99.0		13.0	60 - 124

Spike Recovery: 0 out of 10 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

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Form III

Standards Data

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VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.5 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF1 =1PPB.D RRF2 =2PPB.D
RRF5 =5PPB.D RRF10 =10PPB.D RRF20 =20PPB.D

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF20	$\overline{RRF}$	%RSD OR R^2	
1,1-Dichloroethene	*	0.417	0.458	0.468	0.412	0.429			*
1,2-Dichloroethane		0.364	0.402	0.395	0.388	0.383			
2-Butanone		0.121	0.124	0.118	0.120	0.115			
Benzene		1.215	1.197	1.196	1.119	1.124			
Carbon tetrachloride		0.293	0.299	0.303	0.287	0.306			
Chlorobenzene	#	1.106	1.080	1.062	1.039	1.068			#
Chloroform	*	0.514	0.518	0.535	0.499	0.516			*
Tetrachloroethene		0.264	0.259	0.269	0.266	0.278			
Trichloroethene		0.237	0.268	0.274	0.257	0.265			
Vinyl chloride	*	0.286	0.261	0.280	0.237	0.214			*
1,2-Dichloroethane-d4(SURR)			0.066	0.055	0.052	0.062			
4-Bromofluorobenzene(SURR)			1.247	1.059	0.963	1.087			
Dibromofluoromethane(SURR)			0.305	0.247	0.218	0.254			
Toluene d8(SURR)			1.168	0.952	0.902	1.023			

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 Calibration Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Calibration Time Begin: 659 End: 947

Min RRF for SPCC(#) = 0.5 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF50 =50PPB.D RRF60 =60PPB.D
RRF80 =80PPB.D

COMPOUND		RRF50	RRF60	RRF80			$\overline{RRF}$	%RSD OR R^2	
1,1-Dichloroethene	*	0.435	0.451	0.447			0.4398	4.5	*
1,2-Dichloroethane		0.382	0.393	0.395			0.38782	3	
2-Butanone		0.113	0.112	0.112			0.11688	3.9	
Benzene		1.147	1.160	1.169			1.16595	3	
Carbon tetrachloride		0.322	0.336	0.344			0.31127	6.6	
Chlorobenzene	#	1.050	1.058	1.067			1.06626	1.9	#
Chloroform	*	0.506	0.516	0.528			0.51654	2.2	*
Tetrachloroethene		0.280	0.287	0.284			0.27332	3.8	
Trichloroethene		0.260	0.272	0.271			0.26302	4.5	
Vinyl chloride	*	0.200	0.195	0.184			0.232	0.99979	*
1,2-Dichloroethane-d4(SURR)		0.059	0.062	0.059			0.05922	8.2	
4-Bromofluorobenzene(SURR)		1.041	1.053	1.036			1.06937	8.2	
Dibromofluoromethane(SURR)		0.248	0.257	0.247			0.25368	10.2	
Toluene d8(SURR)		0.988	1.005	0.992			1.0044	8.2	

7SSC

VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 03/25/08 Time: 1012

CCV ID: SSC591580 Lab File ID: SEC31.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.5 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1,1-Dichloroethene	*	0.4398	0.45324	3.1	AVRG	*
1,2-Dichloroethane		0.38782	0.40006	3.2	AVRG	
2-Butanone		0.11688	0.11505	1.6	AVRG	
Benzene		1.16595	1.203	3.2	AVRG	
Carbon tetrachloride		0.31127	0.33784	8.5	AVRG	
Chlorobenzene	#	1.06626	1.092	2.4	AVRG	#
Chloroform	*	0.51654	0.53399	3.4	AVRG	*
Tetrachloroethene		0.27332	0.29258	7.0	AVRG	
Trichloroethene		0.26302	0.27687	5.3	AVRG	
Vinyl chloride	*	50	51.6	3.2	2ORD	*
==========						
1,2-Dichloroethane-d4(SURR)		0.05922	0.05942	0.3	AVRG	
4-Bromofluorobenzene(SURR)		1.06937	1.011	5.5	AVRG	
Dibromofluoromethane(SURR)		0.25368	0.24132	4.9	AVRG	
Toluene d8(SURR)		1.0044	0.97413	3.0	AVRG	

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VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID: VMS03 CalibrationDate: 04/04/08 Time: 0642

CCV ID: CCV593563 Lab File ID: T50CCV32.D Init. Calib. Date Begin: 03/25/08 End: 03/25/08

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) NO

Min RRF for SPCC(#) = 0.5 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1,1-Dichloroethene	*	0.4398	0.47977	9.1	AVRG	*
1,2-Dichloroethane		0.38782	0.40386	4.1	AVRG	
2-Butanone		0.11688	0.10309	11.8	AVRG	
Benzene		1.16595	1.151	1.3	AVRG	
Carbon tetrachloride		0.31127	0.35474	14.0	AVRG	
Chlorobenzene	#	1.06626	1.063	0.3	AVRG	#
Chloroform	*	0.51654	0.54529	5.6	AVRG	*
Tetrachloroethene		0.27332	0.29507	8.0	AVRG	
Trichloroethene		0.26302	0.27236	3.6	AVRG	
Vinyl chloride	*	50	51.4	2.8	2ORD	*
==========						
1,2-Dichloroethane-d4(SURR)		0.05922	0.0598	1.0	AVRG	
4-Bromofluorobenzene(SURR)		1.06937	1.002	6.3	AVRG	
Dibromofluoromethane(SURR)		0.25368	0.25369	0.0	AVRG	
Toluene d8(SURR)		1.0044	0.98799	1.6	AVRG	

Inorganics

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Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

B The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

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Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

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METALS DATA PACKAGE
TOTALS

180408 1646

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

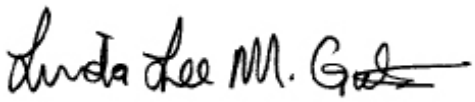
F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.



SIGNED: **DATE: 04/16/2008**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SDG No.: 2508946

SOW No.:

EPA Sample No	Lab Sample ID
SLOPVI-033108	250894606

Were ICP interelement corrections applied?	Yes/No	Yes
Were ICP background corrections applied?	Yes/No	Yes
If yes - were raw data generated before application of background corrections?	Yes/No	No

Comments:

180408 1646

Sample Data

180408 1646

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606

Level:(low/med) LOW Date Received: 4/1/2008

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	368			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

180408 1646

QC Summary

180408 1646

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Initial Calibration Source: 23085

Continuing Calibration Source: 23581

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Lead	400	399.000	99.8	500	515.000	103.0	513.000	102.6	P

ICV IDs: P= ICV595070

CCV1 IDs: P= CCV595075

CCV2 IDs: P= CCV595087

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

180408 1646

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Initial Calibration Source:

Continuing Calibration Source: 23581

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Lead				500	523.000	104.6	518.000	103.6	P

ICV IDs:

CCV1 IDs: P= CCV595099

CCV2 IDs: P= CCV595100

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

180408 1646

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Initial Calibration Source:

Continuing Calibration Source: 23581

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Lead				500	515.000	103.0	520.000	104.0	P

ICV IDs:

CCV1 IDs: P= CCV595112

CCV2 IDs: P= CCV595124

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

180408 1646

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Initial Calibration Source:

Continuing Calibration Source: 23581

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Lead				500	528.000	105.6	501.000	100.2	P

ICV IDs:

CCV1 IDs: P= CCV595136

CCV2 IDs: P= CCV595148

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

180408 1646

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Initial Calibration Source:

Continuing Calibration Source: 23581

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Lead				500	486.000	97.2	497.000	99.4	P

ICV IDs:

CCV1 IDs: P= CCV595160

CCV2 IDs: P= CCV595172

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

180408 1646

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Initial Calibration Source:

Continuing Calibration Source: 23581

Concentration Units: (UG/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Lead				500	499.000	99.8			P

ICV IDs:

CCV1 IDs: P= CCV595184

CCV2 IDs:

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

180408 1646

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	P

ICB IDs: P= ICB595071

CCB1 IDs: P= CCB595076

CCB2 IDs: P= CCB595088

CCB3 IDs: P= CCB595101

180408 1646

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead			3.7	U	3.7	U	3.7	U			P

ICB IDs:

CCB1 IDs: P= CCB595113

CCB2 IDs: P= CCB595125

CCB3 IDs: P= CCB595137

180408 1646

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead			3.7	U	3.7	U	3.7	U			P

ICB IDs:

CCB1 IDs: P= CCB595149

CCB2 IDs: P= CCB595161

CCB3 IDs: P= CCB595173

180408 1646

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead			3.7	U							P

ICB IDs:

CCB1 IDs: P= CCB595185

CCB2 IDs:

CCB3 IDs:

180408 1646

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

ICP ID#: ICAP2 ICSA Source: 23556

ICSAB Source: 23557

Concentration Units: UG/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Lead	0	50	0.19	43.333	86.7			

ICSA: ICS595073

ICSAB: ICS595074

180408 1646

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP | 25089[redacted]A

Lab Code : PEL Case No. | SAS No: | SDG No.: 2508946

Matrix: Water | Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Lead	80 - 120	466.00		3.57	U	500	93.2		P

Comments:

180408 1646

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6

DUPLICATES

EPA Sample No.

259898LCSD

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Lead	20	492		470		4.6		P

Comments:

180408 1646

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

259897LCS

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

Solid LCS Source:

Aqueous LCS Source: 23554, 22381

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Lead	500	492	98.4				-	

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LABORATORY CONTROL SAMPLE

EPA Sample No.

259898LCSD

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

Solid LCS Source:

Aqueous LCS Source: 23554, 22381

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Lead	500	470	94.0				-	

180408 1646

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9

SERIAL DILUTIONS

EPA Sample No.

25089[redacted]L

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Lead	3.57	U	18.50	U			P

Comments:

180408 1646

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10

METHOD DETECTION LIMITS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2508946

ICP ID Number : ICAP2

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (UG/L)	MDL (UG/L)	Verification Date	M
Lead	220.353	3.7	15	3.7	12/6/2007	P

Comments:

180408 1647

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12

ICP LINEAR RANGES (SEMI-ANNUALLY)

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

ICP ID NUMBER : ICAP2 DATE : 10/31/2007

Analyte	Integ. Time (sec.)	Concentration UG/L	M
Lead	0	5000	P

Comments:

180408 1647

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13

PREPARATION LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
259896BLK	3 Apr 08		50
259897LCS	3 Apr 08		50
259898LCSD	3 Apr 08		50
SLOPVI-033108	3 Apr 08		50

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14

ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID Number : ICAP2 Method : P

Start Date : 4/10/2008 End Date : 4/10/2008

EPA Sample No.	D/F	Time	%R	Analytes																												
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
CAL01	1	10:35																					X								
CAL02	1	10:40																														
CAL03	1	10:44																					X								
CAL04	1	10:48																					X								
CAL05	1	10:52																					X								
CAL06	1	10:56																					X								
ICV595070	1	11:19																					X								
ICB595071	1	11:23																					X								
ZZZZZZ	1	11:27																														
ICSA	1	11:32																					X								
ICSAB	1	11:36																					X								
CCV595075	1	11:48																					X								
CCB595076	1	11:52																					X								
ZZZZZZ	1	11:57																														
ZZZZZZ	2	12:01																														
ZZZZZZ	1	12:05																														
ZZZZZZ	2	12:09																														
ZZZZZZ	1	12:14																														
ZZZZZZ	1	12:18																														
ZZZZZZ	2	12:23																														
ZZZZZZ	5	12:27																														
ZZZZZZ	1	12:31																														
ZZZZZZ	2	12:35																														
CCV595087	1	12:40																					X								
CCB595088	1	12:44																					X								
ZZZZZZ	20	12:48																														
ZZZZZZ	1	12:52																														
ZZZZZZ	1	12:57																														
ZZZZZZ	1	13:01																														
ZZZZZZ	1	13:05																														
ZZZZZZ	5	13:09																														
ZZZZZZ	1	13:14																														
ZZZZZZ	1	13:18																														
ZZZZZZ	1	13:22																														
ZZZZZZ	2	13:26																														
CCV595099	1	13:31																					X								

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14

ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID Number : ICAP2 Method : P

Start Date : 4/10/2008 End Date : 4/10/2008

EPA Sample No.	D/F	Time	%R	Analytes																														
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN		
CCV595100	1	13:33																					X										
CCB595101	1	13:37																					X										
ZZZZZZ	25	13:41																															
ZZZZZZ	2	13:46																															
ZZZZZZ	2	13:50																															
ZZZZZZ	2	13:54																															
ZZZZZZ	1	13:58																															
ZZZZZZ	2	14:02																															
ZZZZZZ	1	14:07																															
ZZZZZZ	1	14:11																															
ZZZZZZ	2	14:15																															
ZZZZZZ	1	14:20																															
CCV595112	1	14:24																					X										
CCB595113	1	14:28																					X										
ZZZZZZ	1	14:33																															
ZZZZZZ	1	14:37																															
ZZZZZZ	1	14:41																															
ZZZZZZ	1	14:45																															
ZZZZZZ	5	14:49																															
ZZZZZZ	1	14:54																															
ZZZZZZ	1	14:58																															
ZZZZZZ	1	15:02																															
ZZZZZZ	2	15:06																															
ZZZZZZ	1	15:11																															
CCV595124	1	15:15																					X										
CCB595125	1	15:19																					X										
ZZZZZZ	2	15:23																															
ZZZZZZ	1	15:28																															
ZZZZZZ	1	15:32																															
ZZZZZZ	2	15:36																															
ZZZZZZ	1	15:41																															
ZZZZZZ	1	15:45																															
ZZZZZZ	1	15:49																															
ZZZZZZ	1	15:53																															
ZZZZZZ	1	15:58																															
ZZZZZZ	1	16:02																															

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14

ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID Number : ICAP2 Method : P

Start Date : 4/10/2008 End Date : 4/10/2008

EPA Sample No.	D/F	Time	%R	Analytes																														
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN		
CCV595136	1	16:06																					X										
CCB595137	1	16:10																					X										
ZZZZZZ	1	16:15																																
ZZZZZZ	2	16:19																																
ZZZZZZ	1	16:25																																
ZZZZZZ	1	16:29																																
ZZZZZZ	5	16:34																																
ZZZZZZ	1	16:38																																
ZZZZZZ	1	16:42																																
ZZZZZZ	20	16:47																																
ZZZZZZ	2	16:51																																
ZZZZZZ	10	16:55																																
CCV595148	1	17:00																					X										
CCB595149	1	17:04																					X										
ZZZZZZ	2	17:08																																
ZZZZZZ	2	17:12																																
ZZZZZZ	2	17:16																																
ZZZZZZ	2	17:20																																
ZZZZZZ	2	17:25																																
ZZZZZZ	2	17:29																																
ZZZZZZ	2	17:33																																
ZZZZZZ	2	17:37																																
ZZZZZZ	2	17:41																																
ZZZZZZ	5	17:45																																
CCV595160	1	17:49																					X										
CCB595161	1	17:53																					X										
259896BLK	1	17:57																					X										
259897LCS	1	18:02																					X										
259898LCSD	1	18:06																					X										
ZZZZZZ	1	18:10																																
250894801L	5	18:14																					X										
ZZZZZZ	1	18:19																																
ZZZZZZ	1	18:23																																
250894801A	1	18:27																					X										
ZZZZZZ	1	18:31																																
ZZZZZZ	1	18:36																																

180408 1647

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14

ANALYSIS RUN LOG

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Instrument ID Number : ICAP2 Method : P

Start Date : 4/10/2008 End Date : 4/10/2008

EPA Sample No.	D/F	Time	%R	Analytes																													
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN		
CCV595172	1	18:40																					X										
CCB595173	1	18:44																					X										
ZZZZZZ	1	18:48																															
ZZZZZZ	1	18:53																															
ZZZZZZ	1	18:57																															
ZZZZZZ	1	19:02																															
ZZZZZZ	1	19:06																															
ZZZZZZ	1	19:11																															
ZZZZZZ	1	19:15																															
SLOPVI-033108	1	19:20																					X										
ZZZZZZ	1	19:24																															
ZZZZZZ	5	19:29																															
CCV595184	1	19:33																					X										
CCB595185	1	19:37																					X										

180408 1647

Outside Lab

300905 1433

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

April 10, 2008

PEL Laboratories Inc.
4420 Pendola Point Rd.
Tampa, FL 33619
Attn: Ms. Darcy Weisman

RE: Client Project: CH2M Hill - St. Louis Ordnance Plant (2508946)
Lab Project #: G0438

Dear Ms. Weisman:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Shirley S. Ng
Project Manager

Report of Laboratory Analyses for PEL Laboratories Inc.

Client Project: CH2M Hill - St. Louis Ordnance Plant (2508946)

Mitkem Work Order ID: G0438

April 10, 2008

Prepared For:

PEL Laboratories Inc.
4420 Pendola Point Rd.
Tampa, FL 33619
Attn: Ms. Darcy Weisman

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: PEL Laboratories Inc.

Client Project: CH2M Hill - St. Louis Ordnance Plant (2508946)

Lab Work Order: G0438

Date samples received: 04/03/08

Project Narrative

This data report includes the analysis results for one (1) soil sample that was received from PEL Laboratories, Inc. on April 3, 2008. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

All of the analyses were performed according to method specifications. The wet chemistry analyses are reported in the standard Mitkem format.

Percent recovery was within the QC limits for the lab control sample for ignitability analysis. Flashpoint analysis was terminated when vapors from the sample extinguished the test flame. For this sample, the test flame was extinguished at 150 degrees without a flash being observed.

No unusual occurrences were noted during sample analyses.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager

Mitkem Laboratories

Date: *10-Apr-08*

Client: PEL Laboratories Inc.
Client Sample ID: SLOPUI-033108
Lab ID: G0438-01

Project: CH2M Hill - St. Louis Ordnance Plant
Collection Date: 03/31/08 14:15

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
FLASHPOINT BY PENSKY-MARTENS CLOSED-CUP METHOD					**SW1010_S**			
Ignitability	FLAME OUT @ 150		140	200	°F	1	04/08/2008 12:00	R28096
PAINT FILTER LIQUIDS TEST					**SW9095_S**			
Free Liquid	ND		0.98	0.98	mL/100g	1	04/08/2008 11:00	35662

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: PEL Laboratories Inc.
Work Order: G0438
Project: CH2M Hill - St. Louis Ordnance Plant

ANALYTICAL QC SUMMARY REPORT

TestCode: **SW1010_S**

Sample ID: **G0438-01ADUP** SampType: **DUP** TestCode: **SW1010_S** Prep Date: **4/8/2008** Run ID: **FLASH1_080408A**
Client ID: **SLOPUI-033108** Batch ID: **R28096** Units: **°F** Analysis Date: **4/8/2008** SeqNo: **785190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	FLAME OUT @ 150	200	0	0	0	0	0	0	0	20	

2508946

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: PEL Laboratories Inc.
Work Order: G0438
Project: CH2M Hill - St. Louis Ordnance Plant

ANALYTICAL QC SUMMARY REPORT

TestCode: SW9095_S

Sample ID: **G0438-01ADUP** SampType: **DUP** TestCode: **SW9095_S** Prep Date: **4/8/2008** Run ID: **MANUAL_080408A**
Client ID: **SLOPUI-033108** Batch ID: **35662** Units: **mL/100g** Analysis Date: **4/8/2008** SeqNo: **784312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Free Liquid	ND	0.99	0	0	0	0	0	0	0	20	

2508946

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

MITKEM CORPORATION: Flashpoint Logbook

Date	Sample ID		Temp. °F	Flash (yes or no)	Comments	Analyst
4/8/08	QC		70	No	IWP070223G TV=86°	NJ
4/8/08	QC		75	No		NJ
4/8/08	QC		80	Yes	flash @ 80°	NJ
			85		= 79.6025°	
			90		= 93'/.	
			95			
			100			
			105			
			110			
			115			
			120			
			125			
			130			
			135			
			140			
			145			
			150			
			155			
			160			
			165			
			170			
			175			
			180			
			185			
			190			
			195			
			200			

NJ 4/8/08

Level 1 QA Review

NJ 4/8/08

Data Entry to LIMS

DES

Level 2 QA Review

DES 4/10/08

Narrative Notes on Reverse Side

Yes / (No)

MITKEM CORPORATION: Flashpoint Logbook

Date	Sample ID		Temp. °F	Flash (yes or no)	Comments	Analyst
4/8/08	G0438	01A	70	NO		NJ
			75			
			80			
			85			
			90			
			95			
			100			
			105			
			110			
			115			
			120			
			125			
			130			
			135			
			140			
			145			
4/8/08	G0438	01A	150	NO	no flash; but flame out @ 150°	NJ
			155		= 149.6025	
			160			
			165			
			170			
			175			
			180			
			185			
			190			
			195			
			200			

NJ 4/8/08

Level 1 QA Review

NJ 4/8/08

Data Entry to LIMS

DES

Level 2 QA Review

DES 4/10/08

Narrative Notes on Reverse Side

Yes / (No)

Logbook ID 100.0054-11/07

MITKEM CORPORATION: Flashpoint Logbook

Date	Sample ID		Temp. °F	Flash (yes or no)	Comments	Analyst
4/8/08	G0438-	01ADUP	70	NO		NJ
			75			
			80			
			85			
			90			
			95			
			100			
			105			
			110			
			115			
			120			
			125			
			130			
			135			
			140			
			145			
4/8/08	G0438	01ADUP	150	NO	No flash; flame out @ 150.	NJ
			155		=149.6025	
			160		RPD = 0%	
			165			
			170			
			175			
			180			
			185			
			190			
			195			
			200			

NJ 4/8/08

Level 1 QA Review

NJ 4/8/08

Data Entry to LIMS

DS

Level 2 QA Review

4/10/08

Narrative Notes on Reverse Side

Yes / No

Logbook ID 100.0054-11/07

Your National Weather Service Forecast

Warwick RI

Enter Your "City, ST" or zip code [ ] Go

NWS Taunton, MA
Point Forecast: Warwick RI
41.7N -71.44W

En Español
Last Update: 9:33 am EDT Apr 8, 2008
Forecast Valid: 1pm EDT Apr 8, 2008-6pm EDT Apr 14, 2008

Forecast at a Glance

This Afternoon	Tonight	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday
Sunny	Clear	Sunny	Chance Showers	Chance Showers	Mostly Clear	Chance Showers	Rain Likely	Heavy Rain
Hi 54°F	Lo 34°F	Hi 58°F	Lo 43°F	Hi 64°F	Lo 40°F	Hi 56°F	Lo 42°F	Hi 48°F
			30%	30%		40%	70%	70%

Detailed 7-day Forecast

This Afternoon: Sunny, with a high near 54. East wind between 11 and 13 mph.

Tonight: Clear, with a low around 34. East wind between 3 and 9 mph.

Wednesday: Sunny, with a high near 58. East wind 5 to 11 mph becoming south.

Wednesday Night: A chance of showers, mainly after 3am. Increasing clouds, with a low around 43. South wind between 5 and 9 mph. Chance of precipitation is 30%.

Thursday: A chance of showers before 9am. Partly cloudy, with a high near 64. Southwest wind between 6 and 15 mph. Chance of precipitation is 30%.

Thursday Night: Mostly clear, with a low around 40.

Friday: A chance of showers after noon. Partly cloudy, with a high near 56. Chance of precipitation is 40%.

Friday Night: Rain likely. Cloudy, with a low around 42. Chance of precipitation is 70%.

Saturday: Rain likely. The rain could be heavy at times. Cloudy, with a high near 48. Chance of precipitation is 70%.

Saturday Night: Rain likely. The rain could be heavy at times. Cloudy, with a low around 41. Chance of precipitation is 70%.

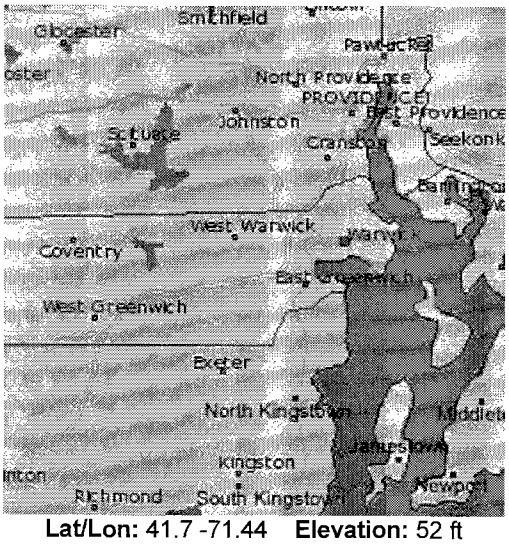
Sunday: A chance of rain. Cloudy, with a high near 54. Chance of precipitation is 40%.

Sunday Night: A chance of rain. Cloudy, with a low around 38. Chance of precipitation is 30%.

Monday: A chance of showers. Mostly cloudy, with a high near 52. Chance of precipitation is 30%.

Detailed Point Forecast [Move Down]

Click Map for Forecast



Lat/Lon: 41.7 -71.44 **Elevation:** 52 ft

Current Conditions [Move Up]

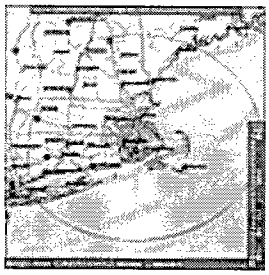
Providence, Green State Airport
Lat: 41.73 Lon: -71.43 Elev: 66
Last Update on Apr 8, 11:51 am EDT

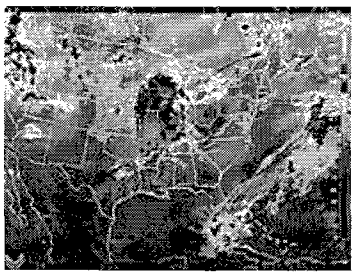
Mostly Cloudy

51°F (11°C)

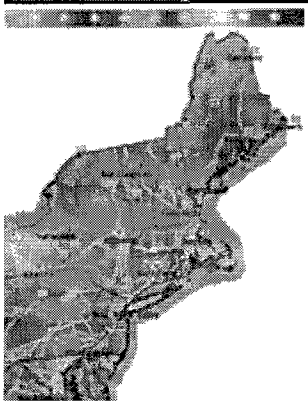
Humidity:	43 %
Wind Speed:	NE 9 MPH
Barometer:	30.38" (1028.9 mb)
Dewpoint:	29°F (-2°C)
Wind Chill:	48°F (9°C)
Visibility:	10.00 mi.
More Local Wx:	**3 Day History:**

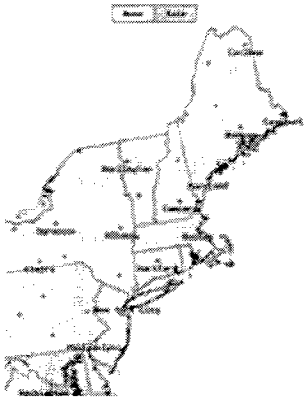
Radar and Satellite Images





National Digital Forecast Database





Additional Forecasts & Information

Forecast Discussion
Printable Forecast
Hourly Weather Graph
Text Forecast (°C)
Hazardous Weather
Past Weather Information
Air Quality Forecasts
Text Only Forecast
Tabular Forecast
About Point Forecasts
Regional Weather Conditions
Interactive Forecast Map
Home

National Weather Service:
Taunton, MA

Back to Previous Page

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MITKEM CORPORATION
Miscellaneous Analysis

MANUAL_080408A

Date	Sample ID	Analysis	Result and Comments	Initials
4/8/08	G0438 - 01A	PAINT FILTER	101.97g 0.00 mL	NJ
4/8/08	G0438 - 01ADUP	SW9095A	100.64g 0.00 mL	NJ
		BATCH # 35662		

NJ 4/8/08

Log ID: 100.0002 08/07

Reviewed By: DES 4/9/08

JB 4/8/08

Mitkem Laboratories

10/Apr/08 12:47

WorkOrder: G0438

Client ID: PEL
Project: CH2M Hill - St. Louis Ordnance Plant
Location:
Comments: N/A

Case:
SDG:
PO: 2508946

Report Level: LEVEL 4
EDD:
HC Due: 04/10/08
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
G0438-01A	SLOPUI-033108	03/31/2008 14:15	04/03/2008	Soil	PMoist		☐	☐	☐ A4
					SW1010_S		☐	☐	☐ A4
					SW9095_S		☐	☐	☐ A4

2508946

Client Rep: Shirley S Ng

SDG 126

Milkem

Chain of Custody Record
Record/Work Request

2508946

PEL Laboratories, Inc.
4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

Bill & Report To: Mark Gudnason
PEL Laboratories Darcy Weisman
4420 Pendola Pt. John Heyman
Tampa, FL 33619 Level: 4+EDD
RLU MDLU J Code btwn MDL & RL

LINES THROUGH METHODS REPRESENTS NOT NEEDED FOR ANALYSIS

Name: [signature] IPR
Date: 4/2/08

Project Name/Number: SLOP
Project Manager: Dan Price
Purchase Order:

Page 1 of 1

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.
Project Name:
Sampling CompQAP No:
Approval Date:

Preservatives (see codes)

Analyses Requested

REQUESTED DUE DATE / /

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	Site Specific VOCs	Lead	TCLP VOC	Total VOCs	Flash Point	Paint Filter				Remarks	Lab. No.
~~1~~	~~SLOP-[redacted]-S-24~~	~~3/31/08~~	~~1245~~	~~Grab~~	~~GW~~	~~3~~	~~X~~										~~01~~
~~2~~	~~SLOP-[redacted]-S-24-FD~~		~~1250~~	~~Grab~~	~~GW~~	~~3~~	~~X~~										~~02~~
~~3~~	~~SLOP-[redacted]-S-25~~		~~1315~~	~~Grab~~	~~GW~~	~~9~~	~~X~~									~~MS/MSD~~	~~03, 08, 09~~
~~4~~	~~SLOPVI-033108~~		~~1415~~	~~Comp~~	~~SO~~	~~2~~			~~X~~		~~X~~	~~X~~					~~04~~
~~5~~	~~TB-033108~~		~~1430~~	~~Grab~~	~~W~~	~~2~~											~~05~~
~~6~~	~~SLOPVI-033108~~		~~1415~~	~~Comp~~	~~W~~	~~4~~		~~X~~		~~X~~							~~06~~
~~7~~	~~SLOP-[redacted]-S-22~~		~~1330~~	~~Grab~~	~~GW~~	~~3~~	~~X~~										~~07~~

Shipment Method

← Total Number of Containers

Out: 3/31/08 Via: FedEx

Returned: / / Via.

Additional Comments:

Site Specific VOCs = PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,2-DCA + vinyl chloride
10 Day TAT on all sample except SLOPVI samples

Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
	[signature] IPR	3/11/08	1355			
1-7	[signature]	3/31/08	1700	[signature] PEL	1APR08	1245
				[signature]	4-5-08	3:50

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

3C

2508946

127

MITKEM LABORATORIES

Sample Condition Form

Page 1 of 1

Received By: CAN | Reviewed By: ARN | Date: 4-3-08 | MITKEM Workorder #: G0438

Client Project: CH2M-Hill | Client: Pel

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) NA

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 3.0
Coolant Condition Ice

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
6720 6184 3004

7) Sample Bottles (Intact) / Broken/Leaking

8) Date Received 4-3-08

9) Time Received 8:50

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0438	01						

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes (no)

Rad OK yes/ no

Sample Condition Form-non CLP- NEW.xls3/19/2008

Last Page of Data Report

Chain of Custody Documentation

180408 1647

Chain of Custody Record
Record/Work Request

2508946

PEL Laboratories, Inc.
4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

Company: CH2M Hill
Project Name/Number: SCOP
Page 1 of 1

Address: 727 N. First St STE 400
Project Manager: Dan Price
DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997

Phone: 314-421-0900 Fax:
Purchase Order:
FDEP Facility No.
Project Name:

Print Names(s) / Affiliation: Glynn Roberts CH2MHill
Sampling CompQAP No:

Sampler(s) Signature(s): Glynn Roberts
Approval Date:

Preservatives (see codes)

Analyses Requested

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	Site Specific VOCs	Lead	TCLP VOC	Total VOCs	Flash Point	Paint Filter	REQUESTED DUE DATE / / Remarks	Lab. No.
1	SCOP-[redacted]-S-24	3/31/08	1245	Grab	GW	3	X							01
2	SCOP-[redacted]-S-24-FD		1250	Grab	GW	3	X							02
3	SCOP-[redacted]-S-25		1315	Grab	GW	9	X						MS/MSD	03,08,09
4	SCOPVI-033108		1415	comp	SO[redacted]	[redacted]2	[redacted]	[redacted]	X	[redacted]	X	X		04
5	TB-033108		1430	Grab	W	2	[redacted]	[redacted]						05
6	SCOPVI-033108		1415	comp	W	4		X		X				06
7	SCOP-[redacted]-S-22		1330	Grab	GW	3	X							07

Shipment Method
← Total Number of Containers

Out: 3/31/08	Via: FedEx	Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via.		[redacted] CH2	3/31/08	1355			
Additional Comments:		1-7	[redacted]	3/31/08	1700	PEL	1APR08	1245

Site Specific VOCs = PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,2-DCA + vinyl chloride
10 Day TAT on all sample except SCOPVI samples
Flash point, Paint Filter to Mitkem

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

2508946

FedEx® US Airbill

FedEx Express

FedEx Tracking Number 8640 2416 6393

Recipient's Copy

1 From

Date 2/10/06

Sender's Name [illegible] Phone [illegible]

Company [illegible]

Address [illegible]

Dept./Floor/Suite/Room

City [illegible] State [illegible] ZIP [illegible]

2 Your Internal Billing Reference

3 To

Recipient's Name [illegible] Phone [illegible]

Company [illegible]

Recipient's Address [illegible]

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City [illegible] State [illegible] ZIP [illegible]

8640 2416 6393

4a Express Package Service — *Packages up to 150 lbs.*

- [x] **FedEx Priority Overnight** — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] **FedEx Standard Overnight** — Next business afternoon.* Saturday Delivery NOT available.
- [ ] **FedEx First Overnight** — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] **FedEx 2Day** — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] **FedEx Express Saver** — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service — *Packages over 150 lbs.*

- [ ] **FedEx 1Day Freight*** — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] **FedEx 2Day Freight** — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] **FedEx 3Day Freight** — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: _____

** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] **SATURDAY Delivery** — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] **HOLD Weekday at FedEx Location** — Not available for FedEx First Overnight.
- [ ] **HOLD Saturday at FedEx Location** — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 _____ x _____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

Total Packages	Total Weight	Total Declared Value†	Credit Card Auth.
1	36	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Residential Delivery Signature Options — If you require a signature, check Direct or Indirect.

- [ ] **No Signature Required** — Package may be left without obtaining a signature for delivery.
- [ ] **Direct Signature** — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] **Indirect Signature** — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

Rev. Date 10/06•Part #158281•©1994–2006 FedEx•PRINTED IN U.S.A. SRY

fedex.com 1.800.GoFedEx 1.800.463.3339

2508946

fedex.com 1.800.GoFedEx 1.800.463.3339

PEL Laboratories, Inc.

pH LOG SHEET

Work Order # 2508946 By KC

Client / Project Name SOP Date 4/2/08

PEL Sample Number	H_2SO_4 (pH<2)		HNO_3 (pH<2)		NaOH (pH>12)		ZnAC/NaOH (pH>9)		HCl (pH<2)		Other _____ pH _____	
	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH	No. of Containers	pH
01									3	<2		
02									↓	↓		
03									↓	↓		
04												
05									2			
06			1	<2					3	<2		
07									↓			
08									↓	↓		
09									↓	↓		
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

2508946

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	2508946	**Req:**	83612
Client:	CH2M Hill	**Project:**	Saint Louis Ordnance Plant
Level:	4	**Date Rec'd:**	4/1/2008 12:45:00 PM
Rec'd via:	Fed-Ex	**Due Date:**	4/11/08

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.0C	**All Samples Rec'd Intact?**	Yes
pH Verified?	Yes	**Sample Vol. Stuff. For Analysis?**	Yes
pH WNL?	Yes	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):	Domestic	**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by PEL?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	Yes	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
PEL to Conduct ALL Analyses?	No	**Specific tests noted on COC**	

PEER REVIEW:

Milkem

2508946

Chain of Custody Record
Record/Work Request

PEL Laboratories, Inc.
4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

Bill & Report To: Mark Gudnason
PEL Laboratories Darcy Weisman
4420 Pendola Pt. John Heyman
Tampa, FL 33619 Level: 4 + EDD
RLU MDLU J Code btwn MDL & RL

Project Name/Number: SLOP
Project Manager: Dan Price
Purchase Order:

Page 1 of 1

DEP Form #: 62-770.900(2)
Form Title: Chain of Custody Record
Effective Date: September 23, 1997
FDEP Facility No.
Project Name:
Sampling CompQAP No:
Approval Date:

LINES THROUGH METHODS REPRESENTS NOT NEEDED FOR ANALYSIS

Name: K J Cd 1PEL
Date: 4/2/08

Preservatives (see codes)

Analyses Requested

REQUESTED DUE DATE / /

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Composite	Matrix (see codes)	Number of Containers	Site Specific VOCs	Lead	TCLP VOC	Total VOCs	Flash Point	Paint Filter	Remarks	Lab. No.
~~1~~	~~SLOP-[redacted]-S-24~~	~~3/31/08~~	~~1245~~	~~Grab~~	~~GW~~	~~3~~	~~X~~							~~01~~
~~2~~	~~SLOP-[redacted]-S-24-FD~~		~~1250~~	~~Grab~~	~~GW~~	~~3~~	~~X~~							~~02~~
~~3~~	~~SLOP+[redacted]-S-25~~		~~1315~~	~~Grab~~	~~GW~~	~~9~~	~~X~~						~~MS/MSD~~	~~03,08,09~~
~~4~~	~~SLOPVI-033108~~		~~1415~~	~~Comp~~	~~SO~~	~~2~~			~~X~~		~~X~~	~~X~~		~~04~~
~~5~~	~~TB-033108~~		~~1430~~	~~Grab~~	~~W~~	~~2~~								~~05~~
~~6~~	~~SLOPVI-033108~~		~~1415~~	~~Comp~~	~~W~~	~~4~~		~~X~~		~~X~~				~~06~~
~~7~~	~~SLOP-[redacted]-S-22~~		~~1330~~	~~Grab~~	~~GW~~	~~3~~	~~X~~							~~07~~

Shipment Method

← Total Number of Containers

Out: 3/31/08 Via: FedEx
Returned: / / Via.
Additional Comments:

Item Nos.	Relinquished by / Affiliations	Date	Time	Accepted by / Affiliation	Date	Time
	K J Cd 1PEL	3/11/08	1355			
1-7	[signature]	3/31/08	1700	[signature] PEL	1APR08	1245

Site Specific VOCs = PCE, TCE, cis-1,2-DCE trans-1,2-DCE, 1,2-DCA + vinyl chloride
10 Day TAT on all sample except SLOPVI samples

Cooler No. (s) / Temperature(s) (C)	Sampling Kit No.	Equipment ID No.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

2508946

Client: CH2M Hill

WONo: 2508946 **Profile Name:** SLOP **Profile #:** 83612

MATRIX ***S***

Sample #	Parameter		Relinquished	Received	Date	Time
04	Dry Weight	Dry Weight	KC	PC	4/4/08	945
04	Dry Weight	Dry Weight	PC	KC	4/4/08	1000
04	TCLP_Tumble	TCLP Tumble	KC	GG	4/3/08	12pm
04	TCLP_Tumble	TCLP Tumble	N/A	→	→	→
04	8260_TCLP	Volatiles in Soil by 1311/8260	OK FOR GG	MP	4/4/08	0800
04	8260_TCLP	Volatiles in Soil by 1311/8260				

consumed

Additional:

MATRIX ***W***

Sample #	Parameter		Relinquished	Received	Date	Time
06	6010	Metals	KC	GG	4/3/08	6pm
06	6010	Metals	N/A	→	→	→
01 - 09	8260	Volatile Organic Compounds	KC	MSD	4/3/08	10:00
01 - 09	8260	Volatile Organic Compounds		consumed		

Additional:

Comments:

Addendum

180408 1647

Letter of Acceptance

Customer Name: CH2M Hill

Date and Time Received: 4/1/2008 12:45:00 PM

Date to be Reported: 4/11/2008

Laboratory Submission Number/SDG: 2508946

Get Detailed Analyte List here: www.pelab.com/webdms/Default.asp?LoaSDG=2508946

Project: SLOP

Samples: The submission consisted of 9 samples with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 6010, 8260, 8260_TCLP, GEN1OL.

Sample Custody/COC discrepancies:

None.

Notes:

10-day TAT.

Distribution of Report to:

CH2M Hill
Attn: Dave Lee
Phone: W 314-421-0900

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials

Log-in Report

Level: 4

Total of: 11 analyses on 9 samples (including QC) *03-Apr-08*

Report/SDG #: 2508946

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOP[redacted]-5-24	250894601		W	3/31/2008 12:45:00 PM	4/1/2008 12:45:00 PM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOP[redacted]5-24-FD	250894602		W	3/31/2008 12:50:00 PM	4/1/2008 12:45:00 PM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOP[redacted]-5-25	250894603		W	3/31/2008 1:15:00 PM	4/1/2008 12:45:00 PM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOPUI-033108	250894604		S	3/31/2008 2:15:00 PM	4/1/2008 12:45:00 PM

Method		
8260_TCLP	Volatiles in Soil by 1311/8260	8260
GEN1OL	Generic Outside Lab Method	GEN1OL

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
TB-033108	250894605		WQ	3/31/2008 2:30:00 PM	4/1/2008 12:45:00 PM

Method		
8260	Volatile Organic Compounds	8260

Report/SDG #: 2508946

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOPVI-033108	250894606		W	3/31/2008 2:18:00 PM	4/1/2008 12:45:00 PM

Method		
6010	Metals	6010
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOP-[redacted]-5-22	250894607		W	3/31/2008 2:18:00 PM	4/1/2008 12:45:00 PM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOP[redacted]-5-25MS	250894608		WQ	3/31/2008 1:15:00 PM	4/1/2008 12:45:00 PM

Method		
8260	Volatile Organic Compounds	8260

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
SLOP-[redacted]-5-25SD	250894609		WQ	3/31/2008 1:15:00 PM	4/1/2008 12:45:00 PM

Method		
8260	Volatile Organic Compounds	8260

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to PEL Laboratory's Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Water samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

CASE NARRATIVE
METALS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

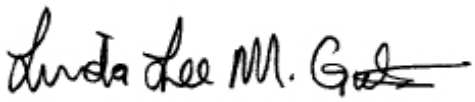
F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.



SIGNED: **DATE: 04/16/2008**

DRAFT

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606

Level:(low/med) LOW Date Received: 4/1/2008

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	368			P

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

170408 946

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U.S. EPA - CLP

3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	P

ICB IDs: P= ICB595071

CCB1 IDs: P= CCB595076

CCB2 IDs: P= CCB595088

CCB3 IDs: P= CCB595101

170408 946

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead			3.7	U	3.7	U	3.7	U			P

ICB IDs:

CCB1 IDs: P= CCB595113

CCB2 IDs: P= CCB595125

CCB3 IDs: P= CCB595137

170408 946

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead			3.7	U	3.7	U	3.7	U			P

ICB IDs:

CCB1 IDs: P= CCB595149

CCB2 IDs: P= CCB595161

CCB3 IDs: P= CCB595173

170408 946

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3

BLANKS

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (UG/L)	C	Continuing Calibration Blank (UG/L)	C		C		C	Prepa-ration Blank	C	M
Lead			3.7	U							P

ICB IDs:

CCB1 IDs: P= CCB595185

CCB2 IDs:

CCB3 IDs:

170408 946

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, In Contract: SLOP 25089[redacted]A

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: Water Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Lead	80 - 120	466.00		3.57	U	500	93.2		P

Comments:

170408 946

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6

DUPLICATES

EPA Sample No.

259898LCSD

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Lead	20	492		470		4.6		P

Comments:

170408 946

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP 259897LCS

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Solid LCS Source:

Aqueous LCS Source: 23554, 22381

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Lead	500	492	98.4				-	

170408 946

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7

LABORATORY CONTROL SAMPLE

EPA Sample No.

259898LCSD

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Solid LCS Source:

Aqueous LCS Source: 23554, 22381

	Aqueous (UG/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Lead	500	470	94.0				-	

170408 946

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

Water samples were prepared by SW846/5030 for EPA8260B volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - SLOP-[redacted]-5-25MS was analyzed with the water samples on 04/04/08. The following analyte(s) were recovered above criteria: 1,1,1-Trichloroethane at 116 % with criteria of (86-114), 1,2,4-Trimethylbenzene at 108 % with criteria of (91-106), 2,2-Dichloropropane at 124 % with criteria of (62-114), 4-Chlorotoluene at

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

106 % with criteria of (86-104), Bromomethane at 126 % with criteria of (83-120), Hexachlorobutadiene at 118 % with criteria of (79-107), Isopropylbenzene (Cumene) at 108 % with criteria of (91-107), trans-1,3-Dichloropropene at 114 % with criteria of (70-108).

SD - SLOP-[redacted]-5-25SD was analyzed with the water samples on 04/04/08. The following analyte(s) were recovered above criteria: 1,1,1-Trichloroethane at 116 % with criteria of (86-114), 2,2-Dichloropropane at 122 % with criteria of (62-114), Bromomethane at 127 % with criteria of (83-120), cis-1,3-Dichloropropene at 112 % with criteria of (79-109), Hexachlorobutadiene at 112 % with criteria of (79-107), trans-1,3-Dichloropropene at 116 % with criteria of (70-108). The following analyte(s) exceeded RPD criteria: 2-Hexanone at 8 % with criteria of (7), Acrolein at 12.7 % with criteria of (10), Vinyl acetate at 15.7 % with criteria of (14).

No further action was required. Samples coded accordingly.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 04/04/2008**

CASE NARRATIVE

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Calibration Sample: STD591537 Analyte: Acrolein Reason: Target peak was not integrated automatically by software generator
Calibration Sample: STD591537 Analyte: Hexachlorobutadiene Reason: Target peak was not integrated automatically by software generator
Calibration Sample: STD591537 Analyte: Vinyl acetate Reason: Target peak was not integrated automatically by software generator

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 04/04/2008**

SECTION LEADER: **DATE: 04/04/2008**

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894601 Lab File ID: 94601.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1013

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	9.3	J
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]5-24

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894601 Lab File ID: 94601.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1013

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894601 Lab File ID: 94601.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1013

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24-FD

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894602 Lab File ID: 94602.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1036

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	9.2	J
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24-FD

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894602 Lab File ID: 94602.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1036

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-24-FD

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894602 Lab File ID: 94602.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1036

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-25

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894603 Lab File ID: 94603.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0949

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-25

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894603 Lab File ID: 94603.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0949

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-25

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894603 Lab File ID: 94603.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0949

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.
TB-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894605 Lab File ID: 94605.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1100

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.
TB-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894605 Lab File ID: 94605.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1100

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: TB-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894605 Lab File ID: 94605.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1100

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606 Lab File ID: 94606.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1123

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.
SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606 Lab File ID: 94606.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1123

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.
SLOPVI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894606 Lab File ID: 94606.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1123

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-22

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894607 Lab File ID: 94607.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1146

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.
SLOP-[redacted]-5-22

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894607 Lab File ID: 94607.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1146

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

SLOP-[redacted]-5-22

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 250894607 Lab File ID: 94607.D

Sample wt/vol: 5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 1146

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

DRAFT

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408BLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 04/04/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0902

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
107-02-8	Acrolein	10	U
74-88-4	Methyl iodide	2	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
107-13-1	Acrylonitrile	4	U
75-34-3	1,1-Dichloroethane	1	U
67-64-1	Acetone	12	U
594-20-7	2,2-Dichloropropane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1.5	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
108-05-4	Vinyl acetate	2	U

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408BLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No.: SAS No.: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 04/04/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0902

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
78-87-5	1,2-Dichloropropane	1.1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.1	U
142-28-9	1,3-Dichloropropane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane(EDB)	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
511-39-00	p,m-Xylene	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene (Cumene)	1	U
108-86-1	Bromobenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1.8	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
106-43-4	4-Chlorotoluene	1	U

DRAFT

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408BLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408BLKA32 Lab File ID: BLK32.D

Sample wt/vol: 5 Units: ML Date Received: 04/04/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0902

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
99-87-6	4-Isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1.8	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
1634-04-4	MTBE	1	U

DRAFT

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG NO.: 2508946

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
040408BLKA32	102.0	101.0	98.6	104.0			0
040408LCSA32	99.8	99.6	97.6	103.0			0
SLOP-[redacted]-5-22	104.0	102.0	101.0	97.4			0
SLOP[redacted]-5-25	102.0	97.4	95.4	104.0			0
SLOP-[redacted]-5-25MS	98.8	99.2	94.8	98.8			0
SLOP[redacted]-5-25SD	105.0	103.0	95.2	105.0			0
SLOP[redacted]-5-24	101.0	98.8	98.2	108.0			0
SLOP[redacted]-5-24-FD	104.0	103.0	98.6	106.0			0
SLOPVI-033108	102.0	103.0	103.0	87.6			0
TB-033108	104.0	101.0	98.4	107.0			0

Control Limits

S1	=	Dibromofluoromethane	86 -	118
S2	=	Toluene d8	88 -	110
S3	=	4-Bromofluorobenzene	86 -	115
S4	=	1,2-Dichloroethane-d4	80 -	120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

170408 947

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VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.: 040408LCSA32

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	21	105.0		20.0	62 - 133
Chloromethane	20	21.1	106.0		20.0	63 - 124
Vinyl chloride	20	19.8	99.0		13.0	60 - 124
Bromomethane	20	22.7	114.0		20.0	58 - 144
Chloroethane	20	21	105.0		16.0	72 - 135
Trichlorofluoromethane	20	20.7	104.0		21.0	74 - 135
1,1-Dichloroethene	20	22.1	110.0		12.0	81 - 119
Acrolein	60	56.8	94.7		20.0	61 - 125
Methyl iodide	20	17.9	89.5		20.0	56 - 133
Carbon disulfide	20	19.6	98.0		13.0	65 - 121
Methylene chloride	20	19.2	96.0		20.0	75 - 111
trans-1,2-Dichloroethene	20	21.5	108.0		11.0	79 - 121
Acrylonitrile	60	56.6	94.3		17.0	62 - 132
1,1-Dichloroethane	20	21	105.0		9.0	76 - 118
Acetone	60	58.4	97.3		18.0	45 - 156
2,2-Dichloropropane	20	25.1	126.0		18.0	52 - 147
cis-1,2-Dichloroethene	20	21.9	110.0		11.0	75 - 123
Bromochloromethane	20	20.1	100.0		13.0	70 - 116
2-Butanone	60	56.2	93.7		15.0	76 - 124
Chloroform	20	22	110.0		11.0	80 - 115
1,1,1-Trichloroethane	20	24.3	122.0		14.0	79 - 123
Carbon tetrachloride	20	23.7	118.0		11.0	67 - 138
1,1-Dichloropropene	20	22	110.0		13.0	80 - 119
Benzene	20	21	105.0		11.0	71 - 120
1,2-Dichloroethane	20	21.8	109.0		7.0	83 - 114
Trichloroethene	20	21.8	109.0		11.0	76 - 123
Vinyl acetate	20	20.2	101.0		11.0	49 - 136
1,2-Dichloropropane	20	19.6	98.0		8.0	74 - 118
Dibromomethane	20	22.2	111.0		15.0	75 - 119
Bromodichloromethane	20	22.2	111.0		9.0	78 - 117
cis-1,3-Dichloropropene	20	22.3	112.0		9.0	63 - 129
4-Methyl-2-pentanone	60	57.3	95.5		10.0	61 - 134

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

170408 947

Form III

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP 040408LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Toluene	20	21.7	108.0		7.0	75 - 119
trans-1,3-Dichloropropene	20	23.8	119.0		8.0	68 - 127
1,1,2-Trichloroethane	20	22	110.0		8.0	80 - 117
Tetrachloroethene	20	22.9	114.0		9.0	70 - 130
1,3-Dichloropropane	20	21.5	108.0		9.0	83 - 112
2-Hexanone	60	59.3	98.8		11.0	75 - 132
Dibromochloromethane	20	23.3	116.0		10.0	78 - 123
1,2-Dibromoethane(EDB)	20	22.6	113.0		8.0	84 - 121
Chlorobenzene	20	21.5	108.0		8.0	70 - 130
1,1,1,2-Tetrachloroethane	20	23.3	116.0		11.0	75 - 133
Ethylbenzene	20	22.2	111.0		11.0	70 - 130
p,m-Xylene	40	44.7	112.0		12.0	70 - 130
o-Xylene	20	22.1	110.0		13.0	70 - 130
Styrene	20	22.5	112.0		12.0	70 - 130
Bromoform	20	23.9	120.0		14.0	71 - 128
Isopropylbenzene (Cumene)	20	21.9	110.0		11.0	83 - 123
Bromobenzene	20	20.2	101.0		9.0	74 - 120
1,1,2,2-Tetrachloroethane	20	20.8	104.0		8.0	84 - 113
1,2,3-Trichloropropane	20	22.9	114.0		20.0	84 - 119
n-Propylbenzene	20	21.5	108.0		11.0	82 - 121
2-Chlorotoluene	20	21.7	108.0		10.0	70 - 130
4-Chlorotoluene	20	22.1	110.0		12.0	83 - 123
1,3,5-Trimethylbenzene	20	22.3	112.0		12.0	84 - 124
tert-Butylbenzene	20	22.7	114.0		20.0	82 - 125
1,2,4-Trimethylbenzene	20	22.3	112.0		9.0	82 - 124
sec-Butylbenzene	20	22	110.0		16.0	83 - 122
1,3-Dichlorobenzene	20	22.1	110.0		8.0	84 - 118
1,4-Dichlorobenzene	20	21.6	108.0		10.0	70 - 130
4-Isopropyltoluene	20	22.2	111.0		11.0	83 - 126
n-Butylbenzene	20	22.3	112.0		14.0	83 - 125
1,2-Dichlorobenzene	20	21.7	108.0		11.0	70 - 130
1,2-Dibromo-3-chloropropane	20	22.8	114.0		18.0	63 - 130

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

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170408 947

Form III

DRAFT

3

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP 040408LCSA32

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	LCS CONCENTRATION UG/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,2,4-Trichlorobenzene	20	23.1	116.0		20.0	83 - 123
Hexachlorobutadiene	20	23.7	118.0		20.0	68 - 149
Naphthalene	20	23.7	118.0		13.0	80 - 131
1,2,3-Trichlorobenzene	20	23.2	116.0		16.0	73 - 141
MTBE	20	19.6	98.0		17.0	76 - 123

Spike Recovery: 0 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

170408 947

Form III

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP SLOP[redacted]5-25MS

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Dichlorodifluoromethane	20	0	22.2	111.0	72 - 127
Chloromethane	20	0	21.8	109.0	75 - 111
Vinyl chloride	20	0	22	110.0	78 - 110
Bromomethane	20	0	25.1	126.0 *	83 - 120
Chloroethane	20	0	22.3	112.0	85 - 121
Trichlorofluoromethane	20	0	22.3	112.0	88 - 119
1,1-Dichloroethene	20	0	22.3	112.0	89 - 113
Acrolein	60	0	49.2	82.0	34 - 122
Methyl iodide	20	0	18.2	91.0	80 - 114
Carbon disulfide	20	0	20.5	102.0	67 - 124
Methylene chloride	20	0	18.3	91.5	88 - 113
trans-1,2-Dichloroethene	20	0	21.1	106.0	85 - 113
Acrylonitrile	60	0	53.1	88.5	85 - 114
1,1-Dichloroethane	20	0	21.2	106.0	91 - 110
Acetone	60	0	53.8	89.7	76 - 133
2,2-Dichloropropane	20	0	24.9	124.0 *	62 - 114
cis-1,2-Dichloroethene	20	0	21.8	109.0	89 - 117
Bromochloromethane	20	0	19.1	95.5	86 - 107
2-Butanone	60	0	51.5	85.8	75 - 113
Chloroform	20	0	22	110.0	89 - 114
1,1,1-Trichloroethane	20	0	23.3	116.0 *	86 - 114
Carbon tetrachloride	20	0	23.6	118.0	85 - 125
1,1-Dichloropropene	20	0	22.3	112.0	87 - 116
Benzene	20	0	20.7	104.0	92 - 110
1,2-Dichloroethane	20	0	21.8	109.0	88 - 113
Trichloroethene	20	0	22.4	112.0	78 - 119
Vinyl acetate	20	0	17.6	88.0	86 - 115
1,2-Dichloropropane	20	0	19.5	97.5	92 - 109
Dibromomethane	20	0	20.8	104.0	93 - 117
Bromodichloromethane	20	0	22.1	110.0	83 - 114

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

_____

Form III

170408 947

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP SLOP[redacted]5-25MS

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
cis-1,3-Dichloropropene	20	0	21.6	108.0	79 - 109
4-Methyl-2-pentanone	60	0	52.9	88.2	67 - 113
Toluene	20	0	21.6	108.0	89 - 121
trans-1,3-Dichloropropene	20	0	22.8	114.0 *	70 - 108
1,1,2-Trichloroethane	20	0	21	105.0	89 - 116
Tetrachloroethene	20	0	23	115.0	88 - 115
1,3-Dichloropropane	20	0	20.9	104.0	94 - 109
2-Hexanone	60	0	54.2	90.3	65 - 118
Dibromochloromethane	20	0	22.1	110.0	78 - 114
1,2-Dibromoethane(EDB)	20	0	21.1	106.0	90 - 109
Chlorobenzene	20	0	21.3	106.0	35 - 148
1,1,1,2-Tetrachloroethane	20	0	22.7	114.0	90 - 114
Ethylbenzene	20	0	21.7	108.0	93 - 111
p,m-Xylene	40	0	43.6	109.0	93 - 111
o-Xylene	20	0	21.8	109.0	90 - 109
Styrene	20	0	21.9	110.0	93 - 111
Bromoform	20	0	21.1	106.0	57 - 117
Isopropylbenzene (Cumene)	20	0	21.6	108.0 *	91 - 107
Bromobenzene	20	0	19	95.0	77 - 100
1,1,2,2-Tetrachloroethane	20	0	18.6	93.0	85 - 100
1,2,3-Trichloropropane	20	0	20.4	102.0	89 - 117
n-Propylbenzene	20	0	21.3	106.0	91 - 109
2-Chlorotoluene	20	0	21.1	106.0	84 - 108
4-Chlorotoluene	20	0	21.3	106.0 *	86 - 104
1,3,5-Trimethylbenzene	20	0	21.7	108.0	93 - 112
tert-Butylbenzene	20	0	22	110.0	93 - 110
1,2,4-Trimethylbenzene	20	0	21.6	108.0 *	91 - 106
sec-Butylbenzene	20	0	21.4	107.0	94 - 109
1,3-Dichlorobenzene	20	0	21.2	106.0	84 - 112
1,4-Dichlorobenzene	20	0	21	105.0	56 - 132

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

170408 947

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical Contract: SLOP SLOP[redacted]-5-25MS

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
4-Isopropyltoluene	20	0	21.8	109.0	94 - 112
n-Butylbenzene	20	0	21.6	108.0	89 - 112
1,2-Dichlorobenzene	20	0	20.7	104.0	87 - 110
1,2-Dibromo-3-chloropropane	20	0	20.6	103.0	79 - 109
1,2,4-Trichlorobenzene	20	0	21.4	107.0	87 - 107
Hexachlorobutadiene	20	0	23.7	118.0 *	79 - 107
Naphthalene	20	0	20.5	102.0	83 - 118
1,2,3-Trichlorobenzene	20	0	21	105.0	83 - 105
MTBE	20	0	18.3	91.5	90 - 111

Spike Recovery: 8 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

_____

Form III

170408 947

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP SLOP-[redacted]5-25SD

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	20	22.2	111.0	0.0	13	72 - 127
Chloromethane	20	21	105.0	3.7	19	75 - 111
Vinyl chloride	20	21.2	106.0	3.7	15	78 - 110
Bromomethane	20	25.4	127.0 *	1.2	20	83 - 120
Chloroethane	20	22.7	114.0	1.8	18	85 - 121
Trichlorofluoromethane	20	22	110.0	1.4	20	88 - 119
1,1-Dichloroethene	20	21.9	110.0	1.8	17	89 - 113
Acrolein	60	55.9	93.2	12.7 *	10	34 - 122
Methyl iodide	20	18.3	91.5	0.5	20	80 - 114
Carbon disulfide	20	20.2	101.0	1.5	16	67 - 124
Methylene chloride	20	18.1	90.5	1.1	20	88 - 113
trans-1,2-Dichloroethene	20	20.9	104.0	1.0	13	85 - 113
Acrylonitrile	60	58.8	98.0	10.2	12	85 - 114
1,1-Dichloroethane	20	20.7	104.0	2.4	16	91 - 110
Acetone	60	63.6	106.0	16.7	17	76 - 133
2,2-Dichloropropane	20	24.3	122.0 *	2.4	11	62 - 114
cis-1,2-Dichloroethene	20	21.7	108.0	0.5	13	89 - 117
Bromochloromethane	20	19	95.0	0.5	13	86 - 107
2-Butanone	60	57.6	96.0	11.2	20	75 - 113
Chloroform	20	22.1	110.0	0.5	10	89 - 114
1,1,1-Trichloroethane	20	23.3	116.0 *	0.0	19	86 - 114
Carbon tetrachloride	20	23	115.0	2.6	16	85 - 125
1,1-Dichloropropene	20	21.8	109.0	2.3	10	87 - 116
Benzene	20	20.8	104.0	0.5	7	92 - 110
1,2-Dichloroethane	20	22	110.0	0.9	11	88 - 113
Trichloroethene	20	22	110.0	1.8	16	78 - 119
Vinyl acetate	20	20.6	103.0	15.7 *	14	86 - 115
1,2-Dichloropropane	20	20	100.0	2.5	10	92 - 109
Dibromomethane	20	21.5	108.0	3.3	8	93 - 117
Bromodichloromethane	20	21.8	109.0	1.4	11	83 - 114

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

_____

Form III

170408 947

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

EPA Sample No.: SLOP[redacted]-5-25SD

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	20	22.3	112.0 *	3.2	14	79 - 109
4-Methyl-2-pentanone	60	55.6	92.7	5.0	8	67 - 113
Toluene	20	21.5	108.0	0.5	13	89 - 121
trans-1,3-Dichloropropene	20	23.2	116.0 *	1.7	8	70 - 108
1,1,2-Trichloroethane	20	21.4	107.0	1.9	13	89 - 116
Tetrachloroethene	20	21.8	109.0	5.4	12	88 - 115
1,3-Dichloropropane	20	20.6	103.0	1.4	8	94 - 109
2-Hexanone	60	58.7	97.8	8.0 *	7	65 - 118
Dibromochloromethane	20	22.1	110.0	0.0	11	78 - 114
1,2-Dibromoethane(EDB)	20	21.3	106.0	0.9	14	90 - 109
Chlorobenzene	20	20.7	104.0	2.9	7	35 - 148
1,1,1,2-Tetrachloroethane	20	22.8	114.0	0.4	12	90 - 114
Ethylbenzene	20	21.3	106.0	1.9	14	93 - 111
p,m-Xylene	40	43.1	108.0	1.2	11	93 - 111
o-Xylene	20	21.6	108.0	0.9	8	90 - 109
Styrene	20	21.4	107.0	2.3	7	93 - 111
Bromoform	20	21.9	110.0	3.7	14	57 - 117
Isopropylbenzene (Cumene)	20	20.9	104.0	3.3	12	91 - 107
Bromobenzene	20	19	95.0	0.0	8	77 - 100
1,1,2,2-Tetrachloroethane	20	19.5	97.5	4.7	11	85 - 100
1,2,3-Trichloropropane	20	21.4	107.0	4.8	12	89 - 117
n-Propylbenzene	20	20.2	101.0	5.3	10	91 - 109
2-Chlorotoluene	20	20.4	102.0	3.4	11	84 - 108
4-Chlorotoluene	20	20.6	103.0	3.3	13	86 - 104
1,3,5-Trimethylbenzene	20	21.2	106.0	2.3	8	93 - 112
tert-Butylbenzene	20	21.7	108.0	1.4	22	93 - 110
1,2,4-Trimethylbenzene	20	21	105.0	2.8	11	91 - 106
sec-Butylbenzene	20	20.9	104.0	2.4	12	94 - 109
1,3-Dichlorobenzene	20	20.8	104.0	1.9	14	84 - 112
1,4-Dichlorobenzene	20	20.4	102.0	2.9	11	56 - 132

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

170408 947

DRAFT

3

VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

EPA Sample No.: SLOP-[redacted]-5-25SD

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Isopropyltoluene	20	21.2	106.0	2.8	7	94 - 112
n-Butylbenzene	20	20.9	104.0	3.3	30	89 - 112
1,2-Dichlorobenzene	20	20.8	104.0	0.5	8	87 - 110
1,2-Dibromo-3-chloropropane	20	20.8	104.0	1.0	20	79 - 109
1,2,4-Trichlorobenzene	20	20.9	104.0	2.4	16	87 - 107
Hexachlorobutadiene	20	22.5	112.0 *	5.2	19	79 - 107
Naphthalene	20	21.2	106.0	3.4	9	83 - 118
1,2,3-Trichlorobenzene	20	21	105.0	0.0	12	83 - 105
MTBE	20	19.4	97.0	5.8	11	90 - 111

RPD: 3 out of 69 outside limits

Spike Recovery: 6 out of 69 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

170408 947

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA 8260B/SW846

IV. PREPARATION

The TCLP samples were prepared by EPA 1311/SW846 for volatiles analysis. All aspects of sample preparation proceeded without exception.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

All acceptance criteria were met.

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

F. Samples:

Sample analysis proceeded normally. Client specified reporting limits were used.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 04/04/2008**

CASE NARRATIVE

PEL Lab Reference No./SDG: 2508946

Client: CH2M Hill

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

No manual integrations detected.

These manual integrations have been reviewed and meet all criteria in accordance with PEL's SOP regarding manual integration.

CHEMIST: **DATE: 04/04/2008**

SECTION LEADER: **DATE: 04/04/2008**

DRAFT

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: SLOPUI-033108

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: SOIL Lab Sample ID: 250894604 Lab File ID: 94604.D

Sample wt/vol: 0.5 Units: ML Date Received: 04/01/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0926

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-35-4	1,1-Dichloroethene	0.01	U
107-06-2	1,2-Dichloroethane	0.01	U
78-93-3	2-Butanone	0.1	U
71-43-2	Benzene	0.01	U
56-23-5	Carbon tetrachloride	0.01	U
108-90-7	Chlorobenzene	0.01	U
67-66-3	Chloroform	0.01	U
127-18-4	Tetrachloroethene	0.01	U
79-01-6	Trichloroethene	0.01	U
75-01-4	Vinyl chloride	0.01	U

DRAFT

1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 040408TBLKA32

Lab Name: PEL, Spectrum Analytical Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

Matrix: WATER Lab Sample ID: 040408TBLKA32 Lab File ID: TBLK32.D

Sample wt/vol: 0.5 Units: ML Date Received: 04/03/08

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 04/04/08 Time: 0839

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: ug/l

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*
75-35-4	1,1-Dichloroethene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	100	U
71-43-2	Benzene	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
67-66-3	Chloroform	10	U
127-18-4	Tetrachloroethene	10	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	10	U

DRAFT

2A

WATER VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG NO.: 2508946

Column(1): DB-624 ID: 0.18 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
040408LCSA32	99.6	99.8	97.6	103.0			0
040408TBLKA32	98.2	99.2	95.8	103.0			0
SLOPUI-033108	102.0	104.0	98.0	106.0			0

Control Limits

S1	= Toluene d8	88 -	110
S2	= Dibromofluoromethane	86 -	118
S3	= 4-Bromofluorobenzene	86 -	115
S4	= 1,2-Dichloroethane-d4	80 -	120

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

170408 947

VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.: 040408LCSA32

Lab Name: PEL, Spectrum Analytical, Inc. Contract: SLOP

Lab Code : PEL Case No. SAS No: SDG No.: 2508946

TCLP Analysis

COMPOUND	SPIKE ADDED ug/l	LCS CONCENTRATION ug/l	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	200	221	110.0		12.0	81 - 119
1,2-Dichloroethane	200	218	109.0		7.0	83 - 114
2-Butanone	600	562	93.7		15.0	76 - 124
Benzene	200	210	105.0		11.0	71 - 120
Carbon tetrachloride	200	237	118.0		11.0	67 - 138
Chlorobenzene	200	215	108.0		8.0	70 - 130
Chloroform	200	220	110.0		11.0	80 - 115
Tetrachloroethene	200	229	114.0		9.0	70 - 130
Trichloroethene	200	218	109.0		11.0	76 - 123
Vinyl chloride	200	198	99.0		13.0	60 - 124

Spike Recovery: 0 out of 10 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

170408 947

Form III

Appendix

180408 1647

Raw Data Method 8260

MSI ICAC 3/25/08

Vms03 8260(H2O)(M3032508C) 3/25/08 Auto IS: H2O Path

File		STD/surr/IS #5	Amount	Client
BFB31		23333, 22055	50 ng	Pal. QC
300 ppt	22652, 22654 22656, 22658		300 ppt	
500 ppt			500 ppt	
1 ppb			1 ppb	
80 ppb			80 ppb	
60 ppb			60 ppb	
50 ppb			50 ppb	
20 ppb			20 ppb	
10 ppb			10 ppb	
5 ppb			5 ppb	
2 ppb			2 ppb	
SEC31	22653, 22655 22657, 22659		50 ppb	
SEC32				

Reviewed By MSI 3/25/08

MSS (TCIP) ISAC · 3/25/08

VMS03 8260 (H2O) (M3040408) 4/4/08 AutoIS · H2O Path

vial	File	STD/surr/IS#5	Amount	client
–	BFB31	23333, 22055	50ng	Pel. QC
–	SOCW31	22652, 22654 22656, 22658	50ppb	
–	SOCW32	↓	↓	
–	LCS32	22653, 22655 22657, 22659	20ppb	
1,2,3	94608 (MS)	↓	↓	
↓	94609 (SD)			
–	BIK31	5mls	5mls	
–	TBIK32	.5mls/5mls (TCIP)	.5mls/5mls	
–	BIK32	5mls	5mls	
–	94604 (TCIP)		.5mls/5mls	(SLOP)
2	94603		5mls	
1	01			
2	02			
1	05			
	06			
2	07			
8	95408			(APEX)
1	11			
1	12			
5	95401			
6	02			
8	03			
7	04			
3	05			
4	06			
6	07			
5	09			
3	10			

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22055	8260_INT_IS			6/10/2008	100 ML	12/10/2007	mstephens

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

16402: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22652	8260_Main Mix_P			7/27/2008	50 ML	2/5/2008	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Ethyl acetate, Ethyl Ether, Isopropyl Ether, Methacrylonitrile, Propionitrile, t-Butanol, Tetrahydrofuran

COMPOSED OF:

22597: 1.25 ML 22599: 1.25 ML 22601: 1.25 ML 22603: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22653	8260_Main Mix_S			7/25/2008	40 ML	2/5/2008	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, ethyl tert-butyl ether, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropyl Ether, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Cyclohexanone, Methacrylonitrile, Propionitrile

COMPOSED OF:

22598: 1 ML 22600: 1 ML 22602: 1 ML 22604: 1 ML 22607: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22654	8260_Add ons_P			4/28/2008	40 ML	2/5/2008	mstephens

50 UG/ML: Carbon disulfide, Methyl iodide, MTBE, Vinyl acetate

COMPOSED OF:

22605: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22655	8260_Add ons_S			4/28/2008	40 ML	2/5/2008	mstephens

50 UG/ML: Carbon disulfide, Methyl iodide, MTBE, Vinyl acetate

COMPOSED OF:

22606: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22656	8260_Ketones_+_P			7/27/2008	50 ML	2/5/2008	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

22593: 0.5 ML 22595: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22657	8260_Ketones_+_S			7/27/2008	50 ML	2/5/2008	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

22594: 0.5 ML 22596: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22658	8260_Gases_P			4/10/2008	50 ML	2/5/2008	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromoethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, ethyl tert-butyl ether, TERT-AMYL METHYL ETHER, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

21314: 0.25 ML 22608: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22659	8260_Gases_S			4/10/2008	50 ML	2/5/2008	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromoethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, ethyl tert-butyl ether, TERT-AMYL METHYL ETHER, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

21315: 0.25 ML 21386: 0.25 ML 22609: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23333	8260_INT_SURR			9/17/2008	100 ML	3/17/2008	mstephens

25.1 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

22065: 1 ML

PEL Laboratories, Inc.

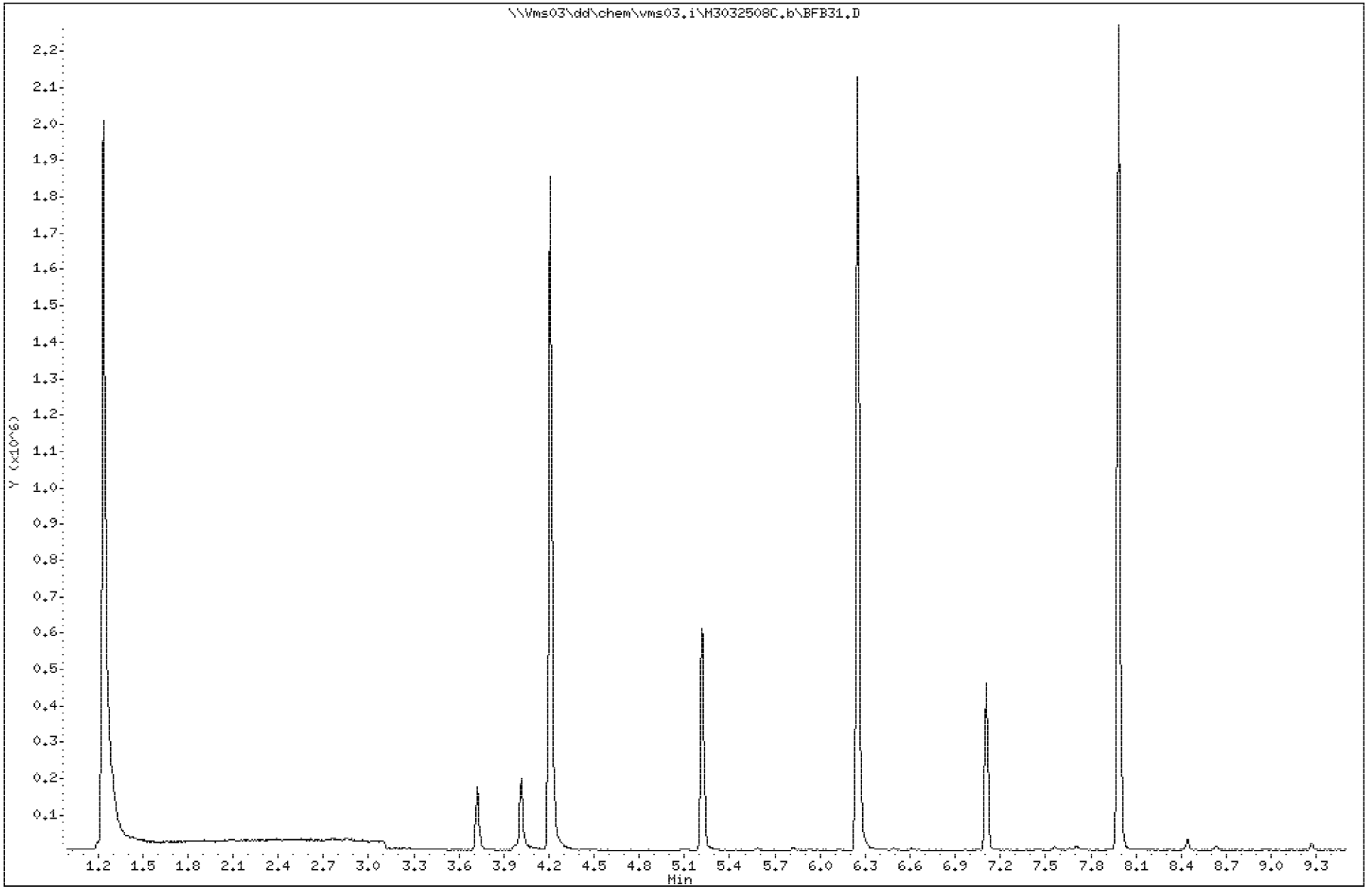
Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\BFB31.D
Lab Smp Id: 032508BFBA31 Client Smp ID: 032508BFBA31
Inj Date : 25-MAR-2008 05:44
Operator : Inst ID: vms03.i
Smp Info : 032508BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\BFBE.m
Meth Date : 27-Mar-2008 08:55 mstephens Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 74-83-9		
7.104	7.500	-0.396	95	69368			0.00- 100.00	100.00
7.104	7.500	-0.396	50	15300			15.00- 40.00	22.06
7.104	7.500	-0.396	75	34832			30.00- 60.00	50.21
7.104	7.500	-0.396	96	4281			5.00- 9.00	6.17
7.104	7.500	-0.396	173	0	0.0	0.0	0.00- 2.00	0.00
7.104	7.500	-0.396	174	42968			50.00- 100.00	61.94
7.104	7.500	-0.396	175	3387			5.00- 9.00	7.88
7.104	7.500	-0.396	176	41856			95.00- 101.00	97.41
7.104	7.500	-0.396	177	3118			5.00- 9.00	7.45

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\BFB31.D
Date : 25-MAR-2008 05:44
Client ID: 032508BFBA31
Sample Info: 032508BFBA31
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-8
2508946

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\BFB31.D

Date : 25-MAR-2008 05:44

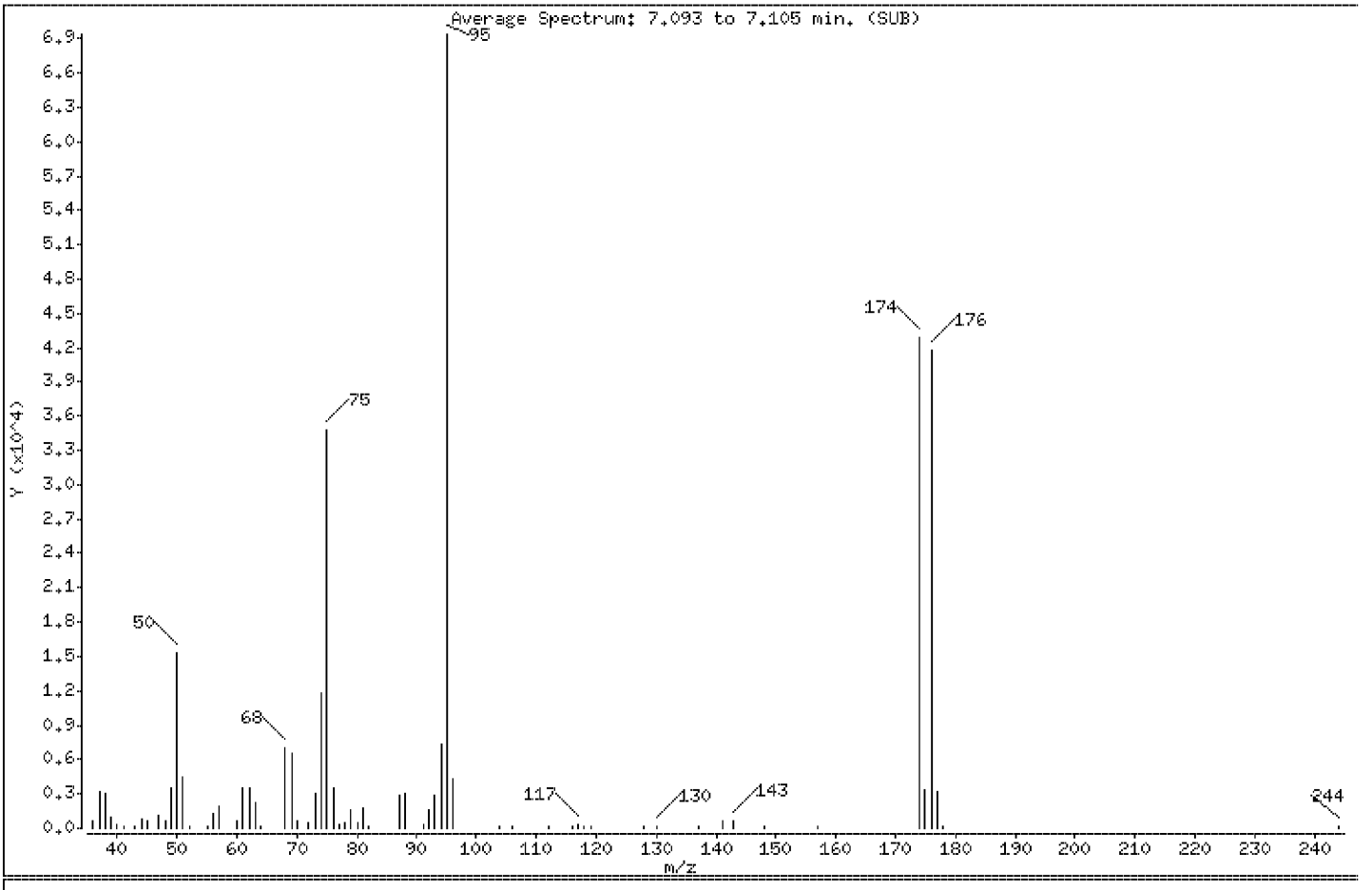
Client ID: 032508BFBA31 Instrument: vms03.i

Sample Info: 032508BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.06
75	30.00 - 60.00% of mass 95	50.21
96	5.00 - 9.00% of mass 95	6.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.94
175	5.00 - 9.00% of mass 174	4.88 (7.88)
176	95.00 - 101.00% of mass 174	60.34 (97.41)
177	5.00 - 9.00% of mass 176	4.49 (7.45)

Date : 25-MAR-2008 05:44

Client ID: 032508BFBA31 Instrument: vms03.i

Sample Info: 032508BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Average Spectrum: 7.093 to 7.105 min. (SUB)
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	699	57.00	1973	80.00	492	119.00	238
37.00	3116	60.00	700	81.00	1693	128.00	116
38.00	3003	61.00	3554	82.00	146	130.00	191
39.00	969	62.00	3554	87.00	2939	137.00	95
40.00	373	63.00	2268	88.00	2959	141.00	637
41.00	219	64.00	104	91.00	267	143.00	642
43.00	129	68.00	6953	92.00	1643	148.00	94
44.00	757	69.00	6610	93.00	2869	157.00	104
45.00	630	70.00	580	94.00	7299	174.00	42968
47.00	1043	72.00	544	95.00	69368	175.00	3387
48.00	565	73.00	3037	96.00	4281	176.00	41856
49.00	3541	74.00	11815	104.00	86	177.00	3118
50.00	15300	75.00	34832	106.00	188	178.00	143
51.00	4428	76.00	3444	112.00	89	244.00	87
52.00	193	77.00	364	116.00	102		
55.00	208	78.00	459	117.00	293		
56.00	1253	79.00	1622	118.00	213		

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\80PPB.D
Lab Smp Id: 80PPBCAL Client Smp ID: 80PPBCAL
Inj Date : 25-MAR-2008 07:23
Operator : Inst ID: vms03.i
Smp Info : 80PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 5 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1428433	160.000	(a)
M 2 Xylenes (Total)	100				4038603	240.000	(a)
M 3 Trihalomethanes (Total)	100				2522239	80.0000	(a)
4 Dichlorodifluoromethane	85	1.386	1.389	(0.191)	518206	80.0000	75.6
5 Chloromethane	50	1.572	1.573	(0.216)	541843	80.0000	75.8
6 Vinyl Chloride	62	1.670	1.676	(0.230)	342416	80.0000	74.6
7 Bromomethane	96	2.069	2.075	(0.285)	265552	80.0000	78.3(q)
8 Chloroethane	64	2.154	2.160	(0.296)	323200	80.0000	77.2
9 Trichlorofluoromethane	101	2.404	2.403	(0.331)	752462	80.0000	80.3(A)
113 Bromoethane	108	3.417	3.420	(0.470)	397631	80.0000	79.4
10 Acrolein	56	2.860	2.873	(0.393)	166931	160.000	158
11 1,1,2 Trichlorotrifluoromethan	101	2.895	2.897	(0.398)	448596	80.0000	79.3
12 Acetone	43	2.942	2.945	(0.405)	240795	160.000	147
13 1,1-Dichloroethene	61	3.093	3.097	(0.426)	832250	80.0000	80.8(A)
109 t-Butyl-Alcohol	59	3.219	3.230	(0.443)	360809	800.000	714
14 Acetonitrile	41	3.281	3.291	(0.451)	579138	800.000	764
15 Iodomethane	142	3.493	3.496	(0.480)	748250	80.0000	79.3
16 Methyl Acetate	43	3.557	3.571	(0.489)	464974	80.0000	76.1
17 Allyl Chloride	41	3.577	3.582	(0.492)	836734	80.0000	80.1(A)
18 Carbon Disulfide	76	3.723	3.724	(0.512)	1427140	80.0000	80.0(A)
19 Methylene Chloride	49	3.780	3.778	(0.520)	839797	80.0000	79.8
20 Acrylonitrile	53	3.966	3.981	(0.546)	428775	160.000	157
21 Methyl-tert-butyl ether	73	4.010	4.020	(0.552)	1361160	80.0000	76.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.202	4.208	(0.578)	852463	80.0000	83.3(A)
	23 1,1-Dichloroethane	63	4.875	4.880	(0.671)	999293	80.0000	81.2(A)
	24 Vinyl Acetate	43	4.934	4.944	(0.679)	816975	80.0000	79.5
	25 Chloroprene	53	5.008	5.012	(0.689)	841263	80.0000	80.8(A)
	26 2-Butanone	43	5.547	5.564	(0.763)	415340	160.000	158
	27 Propionitrile	54	5.648	5.662	(0.777)	751956	800.000	786
	114 tert-Butyl ethyl ether	59	5.381	5.389	(0.740)	1804006	80.0000	78.6
	28 2,2-Dichloropropane	77	5.696	5.699	(0.783)	399944	80.0000	79.9
	29 cis-1,2-Dichloroethene	96	5.761	5.765	(0.792)	575970	80.0000	80.9(A)
	30 Methyacrylonitrile	67	5.914	5.922	(0.814)	2032956	800.000	810(A)
	31 Isobutyl Alcohol	43	5.981	5.995	(0.823)	326833	1600.00	1520(TQ)
	32 Chloroform	83	5.977	5.979	(0.822)	982452	80.0000	82.7(A)
	33 Bromochloromethane	49	6.180	6.184	(0.850)	529316	80.0000	81.0(A)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	458615	80.0000	78.1
	35 1,1,1-Trichloroethane	97	6.484	6.487	(0.892)	651680	80.0000	80.1(A)
	36 Cyclohexane	56	6.486	6.489	(0.892)	959035	80.0000	78.3
	37 1,1-Dichloropropene	75	6.684	6.685	(0.919)	731405	80.0000	81.1(A)
	38 Carbon tetrachloride	117	6.789	6.789	(0.934)	639387	80.0000	83.5(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.889	6.891	(0.948)	108889	80.0000	77.8(q)
	40 1,2-Dichloroethane	62	7.001	7.006	(0.963)	734024	80.0000	81.5(A)
	41 Benzene	78	7.001	7.001	(0.963)	2175371	80.0000	81.1(A)
	115 tert-Amyl-methyl ether	73	6.863	6.869	(0.944)	1389809	80.0000	78.3
*	42 FLUOROBENZENE (IS)	96	7.270	7.272	(1.000)	1162615	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	504955	80.0000	81.7(A)
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	740642	80.0000	82.3(A)
	45 1,2-Dichloropropane	63	7.925	7.927	(1.090)	616772	80.0000	81.8(A)
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	349867	80.0000	81.4(A)
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	735776	80.0000	81.0(A)
	48 1,4 Dioxane	88	8.227	8.238	(1.132)	71939	1600.00	1280(Q)
	49 Dibromomethane	93	8.229	8.232	(1.132)	319191	80.0000	81.1(A)
	50 4-Methyl-2-Pentanone	43	8.577	8.583	(0.660)	939081	160.000	160(A)
	51 2-Hexanone	43	9.490	9.499	(0.897)	680377	160.000	156
	52 cis 1,3-Dichloropropene	75	8.779	8.781	(1.208)	770016	80.0000	81.8(A)
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1844596	80.0000	79.6
	54 Toluene	92	9.106	9.107	(1.252)	1366732	80.0000	81.5(A)
	55 trans 1,3-Dichloropropene	75	9.311	9.313	(1.281)	677948	80.0000	82.9(A)
	56 Ethyl Methacrylate	69	9.317	9.321	(1.281)	676383	80.0000	81.9
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	459665	80.0000	81.7(A)
	58 1,3-Dichloropropane	76	9.728	9.729	(0.920)	805524	80.0000	78.8
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	372895	80.0000	79.9
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	506662	80.0000	82.2(A)
	61 1,2-Dibromoethane	107	10.190	10.192	(0.963)	467548	80.0000	81.6(A)
	62 1-Chlorohexane	91	10.370	10.373	(0.980)	723452	80.0000	82.5(A)
*	63 CHLOROBENZENE d5 (IS)	117	10.579	10.580	(1.000)	821601	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	1402717	80.0000	81.0(A)
	65 1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	464719	80.0000	81.9(Aq)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	798421	80.0000	81.3(A)
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1954931	160.000	160
	68 o-Xylene	91	11.190	11.190	(1.058)	2083672	80.0000	80.5(A)
	69 Styrene	104	11.229	11.230	(1.061)	1776104	80.0000	80.7(A)
	70 Bromoform	173	11.566	11.569	(1.093)	297349	80.0000	83.5(A)
	71 1-Methylethylbenzene	105	11.555	11.555	(0.889)	2497043	80.0000	82.6(A)
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	225221	160.000	162(A)
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	598382	80.0000	79.6

			QUANT SIG						AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	
$	74	4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	755140	80.0000	79.1	
	75	1,2,3- trichloropropane	110	11.880	11.879	(0.914)	178982	80.0000	78.6	
	76	n-Propylbenzene	91	11.959	11.959	(0.920)	3076281	80.0000	82.3	(A)
	77	Bromobenzene	77	11.998	11.998	(0.923)	1128694	80.0000	81.3	(A)
	78	1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	2207470	80.0000	81.8	(A)
	79	2-Chlorotoluene	91	12.135	12.136	(0.934)	2188689	80.0000	82.6	(A)
	80	4-Chlorotoluene	91	12.183	12.183	(0.937)	2049843	80.0000	80.4	(A)
	81	tert-Butylbenzene	119	12.478	12.479	(0.960)	1965379	80.0000	81.5	(A)
	82	1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	2338288	80.0000	81.9	(A)
	83	sec-Butylbenzene	105	12.690	12.692	(0.976)	2633401	80.0000	83.1	(A)
	84	p-Isopropyltoluene	119	12.829	12.830	(0.987)	2222019	80.0000	82.3	(A)
	85	1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	1204223	80.0000	81.6	(A)
*	86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.997	12.999	(1.000)	455681	50.0000		(q)
	87	1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	1224429	80.0000	81.4	(A)
	88	Benzyl Chloride	91	13.149	13.150	(1.012)	911723	80.0000	90.0	
	89	n-Butylbenzene	91	13.241	13.242	(1.019)	2045819	80.0000	82.1	(A)
	90	1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	1177048	80.0000	82.5	(A)
	91	1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	105832	80.0000	83.7	(A)
	92	1,2,4-Trichlorobenzene	180	14.852	14.853	(1.143)	714294	80.0000	82.5	(A)
	93	Hexachlorobutadiene	223	14.950	14.950	(1.150)	160209	80.0000	81.4	(A)
	94	Naphthalene	128	15.031	15.032	(1.156)	1720400	80.0000	80.7	(A)
	95	1,2,3-trichlorobenzene	180	15.195	15.196	(1.169)	620343	80.0000	80.2	(A)
	103	Isopropyl Ether	45	4.765	4.771	(0.655)	1972912	80.0000	79.3	
	104	Ethyl acetate	43	5.812	5.824	(0.799)	871203	160.000	170	(A)
	105	Cyclohexanone	55	11.614	11.616	(1.098)	380449	800.000	705	
	106	Ethyl ether	59	2.709	2.719	(0.373)	451213	80.0000	81.9	(Aq)
	107	2-Nitropropane	43	8.279	8.279	(1.139)	256784	160.000	168	(A)
	108	Tetrahydrofuran	42	6.242	6.264	(0.859)	262219	160.000	148	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 80PPB.D
Lab Smp Id: 80PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 80PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1162615	-0.30
63 CHLOROBENZENE d5	822247	411124	1644494	821601	-0.08
86 1,4-DICHLOROBENZE	457500	228750	915000	455681	-0.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	-0.01
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.00
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\80PPB.D

Date : 25-MAR-2008 07:23

Client ID: 80PPBCAL

Instrument: vms03.i

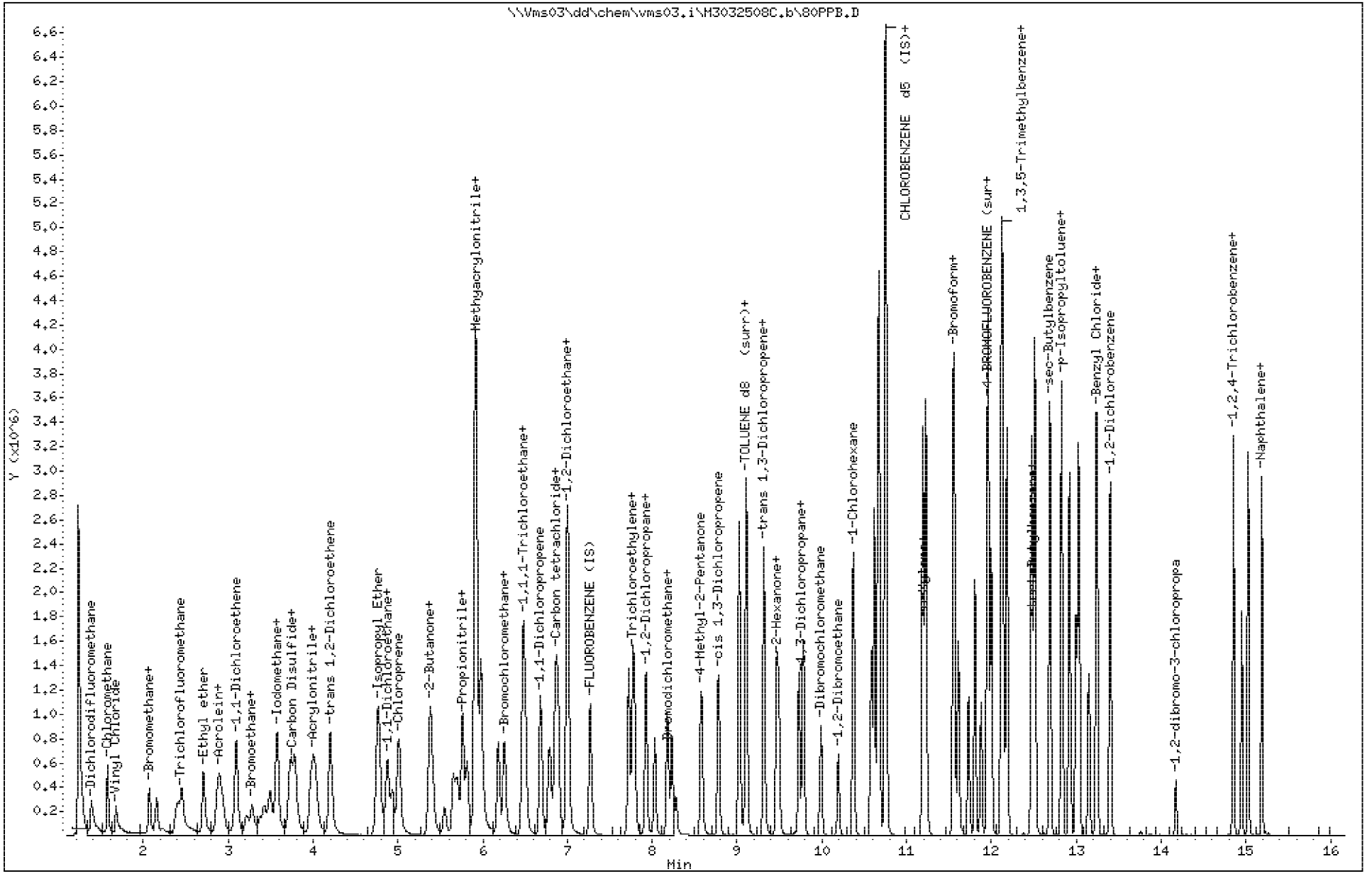
Sample Info: 80PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\60PPB.D
Lab Smp Id: 60PPBCAL Client Smp ID: 60PPBCAL
Inj Date : 25-MAR-2008 07:47
Operator : Inst ID: vms03.i
Smp Info : 60PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 6 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1051435	120.000	(a)
M 2 Xylenes (Total)	100				3042707	180.000	(a)
M 3 Trihalomethanes (Total)	100				1865170	60.0000	(a)
4 Dichlorodifluoromethane	85	1.386	1.389	(0.191)	423831	60.0000	63.5
5 Chloromethane	50	1.573	1.573	(0.216)	430056	60.0000	60.1
6 Vinyl Chloride	62	1.670	1.676	(0.230)	272541	60.0000	58.6
7 Bromomethane	96	2.070	2.075	(0.285)	203428	60.0000	59.8(q)
8 Chloroethane	64	2.156	2.160	(0.297)	256733	60.0000	62.5
9 Trichlorofluoromethane	101	2.405	2.403	(0.331)	577211	60.0000	63.0
113 Bromoethane	108	3.419	3.420	(0.470)	309260	60.0000	63.4
10 Acrolein	56	2.861	2.873	(0.394)	128163	120.000	122
11 1,1,2 Trichlorotrifluoromethan	101	2.897	2.897	(0.398)	351612	60.0000	64.3
12 Acetone	43	2.942	2.945	(0.405)	199762	120.000	124
13 1,1-Dichloroethene	61	3.095	3.097	(0.426)	630439	60.0000	62.1
109 t-Butyl-Alcohol	59	3.218	3.230	(0.443)	302768	600.000	596(q)
14 Acetonitrile	41	3.282	3.291	(0.451)	455249	600.000	598
15 Iodomethane	142	3.495	3.496	(0.481)	585070	60.0000	63.8
16 Methyl Acetate	43	3.557	3.571	(0.489)	361911	60.0000	58.3
17 Allyl Chloride	41	3.577	3.582	(0.492)	637281	60.0000	61.8
18 Carbon Disulfide	76	3.724	3.724	(0.512)	1102753	60.0000	63.6
19 Methylene Chloride	49	3.782	3.778	(0.520)	639210	60.0000	61.2
20 Acrylonitrile	53	3.967	3.981	(0.546)	326861	120.000	119
21 Methyl-tert-butyl ether	73	4.012	4.020	(0.552)	1095496	60.0000	62.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.203	4.208	(0.578)	621935	60.0000	61.3
	23 1,1-Dichloroethane	63	4.876	4.880	(0.671)	749908	60.0000	61.6
	24 Vinyl Acetate	43	4.935	4.944	(0.679)	640555	60.0000	64.6
	25 Chloroprene	53	5.008	5.012	(0.689)	639627	60.0000	62.7
	26 2-Butanone	43	5.547	5.564	(0.763)	313788	120.000	119
	27 Propionitrile	54	5.649	5.662	(0.777)	576778	600.000	603
	114 tert-Butyl ethyl ether	59	5.382	5.389	(0.740)	1394431	60.0000	61.3
	28 2,2-Dichloropropane	77	5.696	5.699	(0.783)	304500	60.0000	61.5
	29 cis-1,2-Dichloroethene	96	5.762	5.765	(0.792)	429500	60.0000	60.4
	30 Methyacrylonitrile	67	5.913	5.922	(0.813)	1498731	600.000	592
	31 Isobutyl Alcohol	43	5.982	5.995	(0.823)	246302	1200.00	1100(TQ)
	32 Chloroform	83	5.977	5.979	(0.822)	721458	60.0000	61.2
	33 Bromochloromethane	49	6.181	6.184	(0.850)	391829	60.0000	59.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	358929	60.0000	62.0
	35 1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	495858	60.0000	61.7
	36 Cyclohexane	56	6.487	6.489	(0.892)	749241	60.0000	62.2
	37 1,1-Dichloropropene	75	6.684	6.685	(0.919)	547222	60.0000	61.2
	38 Carbon tetrachloride	117	6.790	6.789	(0.934)	469897	60.0000	62.6
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	86369	60.0000	63.2(q)
	40 1,2-Dichloroethane	62	7.002	7.006	(0.963)	549403	60.0000	61.7
	41 Benzene	78	7.000	7.001	(0.963)	1621162	60.0000	60.7
	115 tert-Amyl-methyl ether	73	6.863	6.869	(0.944)	1073583	60.0000	60.7
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1164893	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	379644	60.0000	62.6
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	551319	60.0000	62.3
	45 1,2-Dichloropropane	63	7.925	7.927	(1.090)	453594	60.0000	60.0
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	260074	60.0000	60.8
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	553079	60.0000	61.5
	48 1,4 Dioxane	88	8.227	8.238	(1.132)	66104	1200.00	1150(q)
	49 Dibromomethane	93	8.231	8.232	(1.132)	238691	60.0000	61.1
	50 4-Methyl-2-Pentanone	43	8.578	8.583	(0.660)	708643	120.000	116
	51 2-Hexanone	43	9.491	9.499	(0.897)	524589	120.000	120
	52 cis 1,3-Dichloropropene	75	8.779	8.781	(1.207)	570072	60.0000	60.9
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1405420	60.0000	61.0
	54 Toluene	92	9.106	9.107	(1.252)	1017857	60.0000	61.2
	55 trans 1,3-Dichloropropene	75	9.311	9.313	(1.281)	494342	60.0000	60.6
	56 Ethyl Methacrylate	69	9.318	9.321	(1.282)	498401	60.0000	60.5
	57 1,1,2-Trichloroethane	97	9.467	9.467	(1.302)	339306	60.0000	60.4
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	616398	60.0000	60.4
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	283822	60.0000	61.5
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	373590	60.0000	61.0
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	341446	60.0000	59.1
	62 1-Chlorohexane	91	10.370	10.373	(0.980)	536164	60.0000	62.1
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	822841	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	1044979	60.0000	60.5
	65 1,1,1,2-Tetrachloroethane	131	10.665	10.667	(1.008)	344266	60.0000	61.1(q)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	591675	60.0000	60.4
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1480373	120.000	122
	68 o-Xylene	91	11.193	11.190	(1.058)	1562334	60.0000	60.6
	69 Styrene	104	11.230	11.230	(1.061)	1333903	60.0000	61.0
	70 Bromoform	173	11.566	11.569	(1.093)	217043	60.0000	61.7
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	1852480	60.0000	59.8
	72 1,4-Dichloro-2-Butene	53	11.610	11.609	(0.893)	170233	120.000	119
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	457068	60.0000	58.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	589310	60.0000	60.7
	75 1,2,3- trichloropropane	110	11.878	11.879	(0.914)	138287	60.0000	58.7
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	2293591	60.0000	60.0
	77 Bromobenzene	77	11.998	11.998	(0.923)	851058	60.0000	59.8
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	1672264	60.0000	61.2
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	1618113	60.0000	59.3
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	1564648	60.0000	60.0
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1488443	60.0000	60.7
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	1746448	60.0000	59.6
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	1972370	60.0000	61.6
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	1668130	60.0000	60.8
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	900844	60.0000	59.4
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	466222	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	922590	60.0000	59.9
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	641032	60.0000	63.9
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	1540228	60.0000	60.8
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	881275	60.0000	60.7
	91 1,2-dibromo-3-chloropropane	75	14.174	14.173	(1.090)	78516	60.0000	61.4
	92 1,2,4-Trichlorobenzene	180	14.857	14.853	(1.143)	524827	60.0000	58.6
	93 Hexachlorobutadiene	223	14.956	14.950	(1.151)	121792	60.0000	60.9
	94 Naphthalene	128	15.038	15.032	(1.157)	1297628	60.0000	59.0
	95 1,2,3-trichlorobenzene	180	15.204	15.196	(1.170)	470076	60.0000	58.7
	103 Isopropyl Ether	45	4.766	4.771	(0.656)	1495543	60.0000	60.0
	104 Ethyl acetate	43	5.812	5.824	(0.799)	598507	120.000	113(q)
	105 Cyclohexanone	55	11.615	11.616	(1.098)	345430	600.000	684
	106 Ethyl ether	59	2.710	2.719	(0.373)	334868	60.0000	61.4(q)
	107 2-Nitropropane	43	8.279	8.279	(1.139)	184622	120.000	121
	108 Tetrahydrofuran	42	6.245	6.264	(0.859)	220978	120.000	130

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 60PPB.D
Lab Smp Id: 60PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 60PPBCAL
Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1164893	-0.11
63 CHLOROBENZENE d5	822247	411124	1644494	822841	0.07
86 1,4-DICHLOROBENZE	457500	228750	915000	466222	1.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	-0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.00
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\60PPB.D

Date : 25-MAR-2008 07:47

Client ID: 60PPBCAL

Instrument: vms03.i

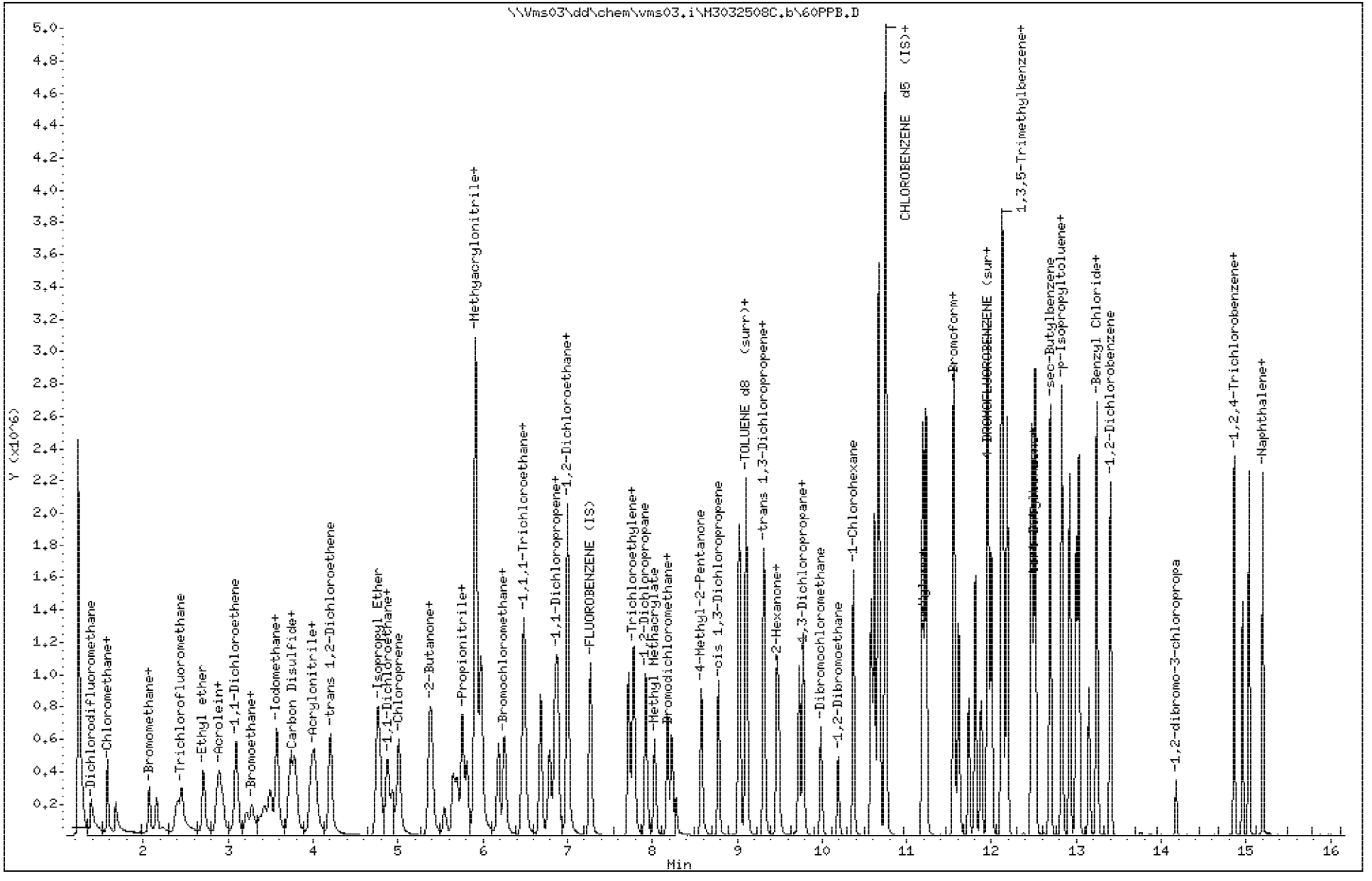
Sample Info: 60PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18



PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\50PPB.D
Lab Smp Id: 50PPBCAL Client Smp ID: 50PPBCAL
Inj Date : 25-MAR-2008 08:11
Operator : Inst ID: vms03.i
Smp Info : 50PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
M 1 1,2-Dichloroethene (Total)	100				863586	100.000		(a)
M 2 Xylenes (Total)	100				2503170	150.000		(a)
M 3 Trihalomethanes (Total)	100				1521376	50.0000		(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	334084	50.0000		(aQ)
5 Chloromethane	50	1.573	1.573	(0.216)	358152	50.0000		(aQ)
6 Vinyl Chloride	62	1.671	1.676	(0.230)	232673	50.0000		(aQ)
7 Bromomethane	96	2.071	2.075	(0.285)	170285	50.0000		(aQ)
8 Chloroethane	64	2.157	2.160	(0.297)	205501	50.0000		(aQ)
9 Trichlorofluoromethane	101	2.405	2.403	(0.331)	458237	50.0000		(aQ)
113 Bromoethane	108	3.421	3.420	(0.470)	243989	50.0000		(aQ)
10 Acrolein	56	2.863	2.873	(0.394)	104944	100.000		(Q)
11 1,1,2 Trichlorotrifluoromethan	101	2.898	2.897	(0.399)	273856	50.0000		(aQ)
12 Acetone	43	2.943	2.945	(0.405)	161507	100.000		(aQ)
13 1,1-Dichloroethene	61	3.095	3.097	(0.426)	507820	50.0000		(aQ)
109 t-Butyl-Alcohol	59	3.221	3.230	(0.443)	254406	500.000		(Q)
14 Acetonitrile	41	3.284	3.291	(0.452)	380733	500.000		(aQ)
15 Iodomethane	142	3.495	3.496	(0.481)	458696	50.0000		(TaQ)
16 Methyl Acetate	43	3.559	3.571	(0.490)	310928	50.0000		(aQ)
17 Allyl Chloride	41	3.579	3.582	(0.492)	516125	50.0000		(aQ)
18 Carbon Disulfide	76	3.724	3.724	(0.512)	868397	50.0000		(aQ)
19 Methylene Chloride	49	3.783	3.778	(0.520)	522287	50.0000		(aQ)
20 Acrylonitrile	53	3.969	3.981	(0.546)	275488	100.000		(aQ)
21 Methyl-tert-butyl ether	73	4.013	4.020	(0.552)	877237	50.0000		(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
	22 trans 1,2-Dichloroethene	61	4.204	4.208	(0.578)	507889	50.0000		(aQ)
	23 1,1-Dichloroethane	63	4.877	4.880	(0.671)	609410	50.0000		(aQ)
	24 Vinyl Acetate	43	4.934	4.944	(0.679)	496321	50.0000		(aQ)
	25 Chloroprene	53	5.009	5.012	(0.689)	510231	50.0000		(aQ)
	26 2-Butanone	43	5.550	5.564	(0.763)	264013	100.000		(aQ)
	27 Propionitrile	54	5.650	5.662	(0.777)	478976	500.000		(aQ)
	114 tert-Butyl ethyl ether	59	5.384	5.389	(0.740)	1137731	50.0000		(aQ)
	28 2,2-Dichloropropane	77	5.696	5.699	(0.783)	247880	50.0000		(aQ)
	29 cis-1,2-Dichloroethene	96	5.762	5.765	(0.793)	355697	50.0000		(aQ)
	30 Methyacrylonitrile	67	5.915	5.922	(0.814)	1267271	500.000		(aQ)
	31 Isobutyl Alcohol	43	5.983	5.995	(0.823)	224608	1000.00		(TaQ)
	32 Chloroform	83	5.977	5.979	(0.822)	589909	50.0000		(aQ)
	33 Bromochloromethane	49	6.182	6.184	(0.850)	328140	50.0000		(Q)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.263	6.264	(0.861)	289519	50.0000		(aQ)
	35 1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	402166	50.0000		(aQ)
	36 Cyclohexane	56	6.487	6.489	(0.892)	603100	50.0000		(aQ)
	37 1,1-Dichloropropene	75	6.685	6.685	(0.919)	447603	50.0000		(aQ)
	38 Carbon tetrachloride	117	6.791	6.789	(0.934)	375829	50.0000		(aQ)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.890	6.891	(0.948)	68349	50.0000		(aQ)
	40 1,2-Dichloroethane	62	7.002	7.006	(0.963)	445426	50.0000		(aQ)
	41 Benzene	78	7.001	7.001	(0.963)	1337269	50.0000		(aQ)
	115 tert-Amyl-methyl ether	73	6.864	6.869	(0.944)	884840	50.0000		(aQ)
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1166142	50.0000		(Q)
	43 Trichloroethylene	130	7.722	7.722	(1.062)	303429	50.0000		(aQ)
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	442926	50.0000		(aQ)
	45 1,2-Dichloropropane	63	7.926	7.927	(1.090)	378326	50.0000		(aQ)
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	214240	50.0000		(aQ)
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	449909	50.0000		(aQ)
	48 1,4 Dioxane	88	8.228	8.238	(1.132)	57370	1000.00		(aQ)
	49 Dibromomethane	93	8.230	8.232	(1.132)	195633	50.0000		(aQ)
	50 4-Methyl-2-Pentanone	43	8.578	8.583	(0.660)	596607	100.000		(aQ)
	51 2-Hexanone	43	9.491	9.499	(0.897)	436193	100.000		(aQ)
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.208)	468714	50.0000		(aQ)
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1152460	50.0000		(aQ)
	54 Toluene	92	9.106	9.107	(1.252)	832381	50.0000		(aQ)
	55 trans 1,3-Dichloropropene	75	9.311	9.313	(1.281)	408157	50.0000		(aQ)
	56 Ethyl Methacrylate	69	9.317	9.321	(1.281)	412103	50.0000		(aQ)
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	281359	50.0000		(aQ)
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	509428	50.0000		(aQ)
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	230494	50.0000		(aQ)
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	305841	50.0000		(aQ)
	61 1,2-Dibromoethane	107	10.190	10.192	(0.963)	288750	50.0000		(aQ)
	62 1-Chlorohexane	91	10.371	10.373	(0.980)	431348	50.0000		(aQ)
*	63 CHLOROBENZENE d5 (IS)	117	10.579	10.580	(1.000)	822247	50.0000		(Q)
	64 Chlorobenzene	112	10.618	10.620	(1.004)	863362	50.0000		(aQ)
	65 1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	281377	50.0000		(aQ)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	489713	50.0000		(aQ)
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1214262	100.000		(aQ)
	68 o-Xylene	91	11.193	11.190	(1.058)	1288908	50.0000		(aQ)
	69 Styrene	104	11.229	11.230	(1.061)	1092881	50.0000		(aQ)
	70 Bromoform	173	11.566	11.569	(1.093)	175717	50.0000		(aQ)
	71 1-Methylethylbenzene	105	11.555	11.555	(0.889)	1520783	50.0000		(aQ)
	72 1,4-Dichloro-2-Butene	53	11.608	11.609	(0.893)	139888	100.000		(aQ)
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	380536	50.0000		(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.806	11.808	(0.908)	476256	50.0000		(aQ)
	75 1,2,3- trichloropropane	110	11.878	11.879	(0.914)	115567	50.0000		(aQ)
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	1875706	50.0000		(aQ)
	77 Bromobenzene	77	11.998	11.998	(0.923)	698198	50.0000		(aQ)
	78 1,3,5-Trimethylbenzene	105	12.118	12.121	(0.932)	1341665	50.0000		(aQ)
	79 2-Chlorotoluene	91	12.134	12.136	(0.934)	1337715	50.0000		(aQ)
	80 4-Chlorotoluene	91	12.182	12.183	(0.937)	1280273	50.0000		(aQ)
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1203228	50.0000		(aQ)
	82 1,2,4-trimethylbenzene	105	12.513	12.514	(0.963)	1437952	50.0000		(aQ)
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	1569707	50.0000		(aQ)
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	1344962	50.0000		(aQ)
	85 1,3-Dichlorobenzene	146	12.921	12.923	(0.994)	743943	50.0000		(aQ)
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	457500	50.0000		(Q)
	87 1,4-Dichlorobenzene	146	13.029	13.032	(1.002)	756048	50.0000		(aQ)
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	492398	50.0000		(aQ)
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	1242403	50.0000		(aQ)
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	712303	50.0000		(aQ)
	91 1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	62789	50.0000		(aQ)
	92 1,2,4-Trichlorobenzene	180	14.854	14.853	(1.143)	439773	50.0000		(aQ)
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	98108	50.0000		(aQ)
	94 Naphthalene	128	15.032	15.032	(1.157)	1080004	50.0000		(aQ)
	95 1,2,3-trichlorobenzene	180	15.197	15.196	(1.169)	392622	50.0000		(aQ)
	103 Isopropyl Ether	45	4.767	4.771	(0.656)	1246818	50.0000		(Q)
	104 Ethyl acetate	43	5.813	5.824	(0.799)	531167	100.000		(Q)
	105 Cyclohexanone	55	11.615	11.616	(1.098)	252261	500.000		(aQ)
	106 Ethyl ether	59	2.711	2.719	(0.373)	273201	50.0000		(aQ)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	153005	100.000		(aQ)
	108 Tetrahydrofuran	42	6.247	6.264	(0.859)	170104	100.000		(aQ)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50PPB.D
Lab Smp Id: 50PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 50PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1166142	0.00
63 CHLOROBENZENE d5	822247	411124	1644494	822247	0.00
86 1,4-DICHLOROBENZE	457500	228750	915000	457500	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.00
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\50PPB.D

Date : 25-MAR-2008 08:11

Client ID: 50PPBCAL

Instrument: vms03.i

Sample Info: 50PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\20PPB.D
Lab Smp Id: 20PPBCAL Client Smp ID: 20PPBCAL
Inj Date : 25-MAR-2008 08:35
Operator : Inst ID: vms03.i
Smp Info : 20PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 07:23 Cal File: 80PPB.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
M 1	1,2-Dichloroethene (Total)	100				337356	40.0000		(a)
M 2	Xylenes (Total)	100				995727	60.0000		(a)
M 3	Trihalomethanes (Total)	100				604616	20.0000		(a)
4	Dichlorodifluoromethane	85	1.387	1.389	(0.191)	124066	20.0000	18.3	
5	Chloromethane	50	1.574	1.573	(0.216)	142822	20.0000	20.2	
6	Vinyl Chloride	62	1.672	1.676	(0.230)	100073	20.0000	22.2	
7	Bromomethane	96	2.074	2.075	(0.285)	61654	20.0000	18.2	(q)
8	Chloroethane	64	2.158	2.160	(0.297)	78959	20.0000	19.0	
9	Trichlorofluoromethane	101	2.405	2.403	(0.331)	173809	20.0000	18.4	
113	Bromoethane	108	3.419	3.420	(0.470)	92907	20.0000	18.5	
10	Acrolein	56	2.864	2.873	(0.394)	42364	40.0000	40.0	
11	1,1,2 Trichlorotrifluoromethan	101	2.899	2.897	(0.399)	103608	20.0000	18.2	
12	Acetone	43	2.943	2.945	(0.405)	68066	40.0000	42.4	
13	1,1-Dichloroethene	61	3.096	3.097	(0.426)	201059	20.0000	19.3	
109	t-Butyl-Alcohol	59	3.217	3.230	(0.443)	110166	200.000	224	(T)
14	Acetonitrile	41	3.284	3.291	(0.452)	161000	200.000	214	
15	Iodomethane	142	3.497	3.496	(0.481)	184547	20.0000	19.5	
16	Methyl Acetate	43	3.559	3.571	(0.490)	125149	20.0000	20.7	
17	Allyl Chloride	41	3.580	3.582	(0.492)	201233	20.0000	19.1	
18	Carbon Disulfide	76	3.726	3.724	(0.512)	339519	20.0000	18.9	
19	Methylene Chloride	49	3.784	3.778	(0.520)	211804	20.0000	20.0	
20	Acrylonitrile	53	3.970	3.981	(0.546)	106886	40.0000	39.1	
21	Methyl-tert-butyl ether	73	4.012	4.020	(0.552)	344864	20.0000	19.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.205	4.208	(0.578)	196149	20.0000	18.8
	23 1,1-Dichloroethane	63	4.878	4.880	(0.671)	244272	20.0000	19.6
	24 Vinyl Acetate	43	4.935	4.944	(0.679)	197418	20.0000	19.1
	25 Chloroprene	53	5.009	5.012	(0.689)	198434	20.0000	18.9
	26 2-Butanone	43	5.551	5.564	(0.763)	107501	40.0000	40.8
	27 Propionitrile	54	5.651	5.662	(0.777)	202382	200.000	211
	114 tert-Butyl ethyl ether	59	5.384	5.389	(0.740)	431544	20.0000	18.8
	28 2,2-Dichloropropane	77	5.699	5.699	(0.784)	93725	20.0000	18.6
	29 cis-1,2-Dichloroethene	96	5.763	5.765	(0.793)	141207	20.0000	19.6
	30 Methyacrylonitrile	67	5.913	5.922	(0.813)	505852	200.000	199
	31 Isobutyl Alcohol	43	5.983	5.995	(0.823)	104018	400.000	489(TQ)
	32 Chloroform	83	5.977	5.979	(0.822)	241542	20.0000	20.0
	33 Bromochloromethane	49	6.182	6.184	(0.850)	130809	20.0000	19.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.263	6.264	(0.861)	118779	20.0000	20.2
	35 1,1,1-Trichloroethane	97	6.486	6.487	(0.892)	160271	20.0000	19.6
	36 Cyclohexane	56	6.488	6.489	(0.892)	233001	20.0000	19.0
	37 1,1-Dichloropropene	75	6.686	6.685	(0.919)	177659	20.0000	19.5
	38 Carbon tetrachloride	117	6.791	6.789	(0.934)	143080	20.0000	18.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	29185	20.0000	20.9(q)
	40 1,2-Dichloroethane	62	7.003	7.006	(0.963)	179441	20.0000	19.6
	41 Benzene	78	7.003	7.001	(0.963)	526491	20.0000	19.4
	115 tert-Amyl-methyl ether	73	6.866	6.869	(0.944)	341424	20.0000	19.2
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1170843	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	123905	20.0000	19.8
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	172671	20.0000	18.9
	45 1,2-Dichloropropane	63	7.926	7.927	(1.090)	152222	20.0000	19.9
	46 Methyl Methacrylate	69	8.029	8.036	(1.104)	85111	20.0000	19.5
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	172429	20.0000	18.8
	48 1,4 Dioxane	88	8.230	8.238	(1.132)	25663	400.000	486(Q)
	49 Dibromomethane	93	8.229	8.232	(1.132)	77953	20.0000	19.6
	50 4-Methyl-2-Pentanone	43	8.579	8.583	(0.660)	242519	40.0000	41.3
	51 2-Hexanone	43	9.493	9.499	(0.897)	177924	40.0000	41.2
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	181113	20.0000	19.0
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	479203	20.0000	20.6
	54 Toluene	92	9.107	9.107	(1.252)	334378	20.0000	19.7
	55 trans 1,3-Dichloropropene	75	9.312	9.313	(1.281)	152744	20.0000	18.3
	56 Ethyl Methacrylate	69	9.318	9.321	(1.282)	164985	20.0000	19.7
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	115757	20.0000	20.3
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	201826	20.0000	19.8
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	91432	20.0000	19.6
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	122086	20.0000	19.6
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	116156	20.0000	20.2
	62 1-Chlorohexane	91	10.371	10.373	(0.980)	169270	20.0000	19.1
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	821156	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	350765	20.0000	20.2
	65 1,1,1,2-Tetrachloroethane	131	10.665	10.667	(1.008)	109858	20.0000	19.2
	66 Ethylbenzene	106	10.675	10.672	(1.009)	193612	20.0000	19.6
	67 p,m-Xylene	106	10.753	10.753	(1.016)	487649	40.0000	39.9
	68 o-Xylene	91	11.195	11.190	(1.058)	508078	20.0000	19.6
	69 Styrene	104	11.229	11.230	(1.061)	436955	20.0000	19.8
	70 Bromoform	173	11.564	11.569	(1.093)	68559	20.0000	19.0
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	594311	20.0000	19.4
	72 1,4-Dichloro-2-Butene	53	11.608	11.609	(0.893)	53181	40.0000	38.1
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	155828	20.0000	20.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.808	11.808	(0.908)	198242	20.0000	20.8
	75 1,2,3- trichloropropane	110	11.880	11.879	(0.914)	47135	20.0000	20.8
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	741872	20.0000	19.6
	77 Bromobenzene	77	11.997	11.998	(0.923)	274847	20.0000	19.7
	78 1,3,5-Trimethylbenzene	105	12.118	12.121	(0.932)	544224	20.0000	20.0
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	544608	20.0000	20.3
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	511808	20.0000	20.0
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	477682	20.0000	19.7
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	561069	20.0000	19.5
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	634692	20.0000	19.8
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	526390	20.0000	19.3
	85 1,3-Dichlorobenzene	146	12.921	12.923	(0.994)	303844	20.0000	20.4
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	456012	50.0000	
	87 1,4-Dichlorobenzene	146	13.029	13.032	(1.002)	307874	20.0000	20.3
	88 Benzyl Chloride	91	13.148	13.150	(1.012)	163937	20.0000	15.5
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	480252	20.0000	19.1
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	291742	20.0000	20.2
	91 1,2-dibromo-3-chloropropane	75	14.172	14.173	(1.090)	25953	20.0000	20.2
	92 1,2,4-Trichlorobenzene	180	14.848	14.853	(1.142)	176279	20.0000	20.1
	93 Hexachlorobutadiene	223	14.946	14.950	(1.150)	39116	20.0000	19.7
	94 Naphthalene	128	15.026	15.032	(1.156)	434519	20.0000	20.3
	95 1,2,3-trichlorobenzene	180	15.189	15.196	(1.169)	160809	20.0000	20.7
	103 Isopropyl Ether	45	4.767	4.771	(0.656)	491631	20.0000	19.7
	104 Ethyl acetate	43	5.815	5.824	(0.800)	217952	40.0000	41.3
	105 Cyclohexanone	55	11.616	11.616	(1.098)	92449	200.000	178
	106 Ethyl ether	59	2.710	2.719	(0.373)	111707	20.0000	20.0(q)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	56621	40.0000	36.1
	108 Tetrahydrofuran	42	6.254	6.264	(0.860)	73120	40.0000	42.1

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 20PPB.D
Lab Smp Id: 20PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 20PPBCAL
Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1170843	0.40
63 CHLOROBENZENE d5	822247	411124	1644494	821156	-0.13
86 1,4-DICHLOROBENZE	457500	228750	915000	456012	-0.33

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\20PPB.D
Date : 25-MAR-2008 08:35
Client ID: 20PPBCAL
Instrument: vms03.i
Sample Info: 20PPBCAL
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18

AO-30

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\10PPB.D
Lab Smp Id: 10PPBCAL Client Smp ID: 10PPBCAL
Inj Date : 25-MAR-2008 08:59
Operator : Inst ID: vms03.i
Smp Info : 10PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 08:35 Cal File: 20PPB.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				162710	20.0000	(a)
M 2 Xylenes (Total)	100				478665	30.0000	(a)
M 3 Trihalomethanes (Total)	100				286718	10.0000	(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	61724	10.0000	9.4
5 Chloromethane	50	1.574	1.573	(0.217)	63488	10.0000	9.0
6 Vinyl Chloride	62	1.674	1.676	(0.230)	54833	10.0000	12.0
7 Bromomethane	96	2.074	2.075	(0.285)	30559	10.0000	9.3(q)
8 Chloroethane	64	2.158	2.160	(0.297)	38935	10.0000	9.6
9 Trichlorofluoromethane	101	2.403	2.403	(0.330)	86805	10.0000	9.5
113 Bromoethane	108	3.416	3.420	(0.470)	45752	10.0000	9.4
10 Acrolein	56	2.865	2.873	(0.394)	19925	20.0000	19.0
11 1,1,2 Trichlorotrifluoromethan	101	2.900	2.897	(0.399)	51638	10.0000	9.4(a)
12 Acetone	43	2.944	2.945	(0.405)	35266	20.0000	21.9
13 1,1-Dichloroethene	61	3.096	3.097	(0.426)	95440	10.0000	9.3
109 t-Butyl-Alcohol	59	3.222	3.230	(0.443)	47747	100.000	95.4(T)
14 Acetonitrile	41	3.286	3.291	(0.452)	93227	100.000	123
15 Iodomethane	142	3.496	3.496	(0.481)	90886	10.0000	9.8
16 Methyl Acetate	43	3.565	3.571	(0.490)	57768	10.0000	9.6
17 Allyl Chloride	41	3.581	3.582	(0.492)	96855	10.0000	9.4
18 Carbon Disulfide	76	3.726	3.724	(0.512)	164626	10.0000	9.4
19 Methylene Chloride	49	3.780	3.778	(0.520)	102982	10.0000	9.8
20 Acrylonitrile	53	3.971	3.981	(0.546)	51218	20.0000	19.0
21 Methyl-tert-butyl ether	73	4.015	4.020	(0.552)	167887	10.0000	9.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.206	4.208	(0.578)	94597	10.0000	9.3
	23 1,1-Dichloroethane	63	4.878	4.880	(0.671)	117270	10.0000	9.6
	24 Vinyl Acetate	43	4.940	4.944	(0.679)	92521	10.0000	9.2
	25 Chloroprene	53	5.013	5.012	(0.689)	96635	10.0000	9.4
	26 2-Butanone	43	5.554	5.564	(0.764)	55585	20.0000	21.2
	27 Propionitrile	54	5.655	5.662	(0.778)	91916	100.000	95.6
	114 tert-Butyl ethyl ether	59	5.386	5.389	(0.741)	208790	10.0000	9.3
	28 2,2-Dichloropropane	77	5.699	5.699	(0.784)	44368	10.0000	9.1
	29 cis-1,2-Dichloroethene	96	5.763	5.765	(0.793)	68113	10.0000	9.6
	30 Methyacrylonitrile	67	5.915	5.922	(0.813)	239869	100.000	95.6
	31 Isobutyl Alcohol	43	5.991	5.995	(0.824)	51963	200.000	234(TQ)
	32 Chloroform	83	5.978	5.979	(0.822)	115586	10.0000	9.7
	33 Bromochloromethane	49	6.183	6.184	(0.850)	61537	10.0000	9.4
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	50598	10.0000	8.7
	35 1,1,1-Trichloroethane	97	6.487	6.487	(0.892)	74494	10.0000	9.2
	36 Cyclohexane	56	6.488	6.489	(0.892)	109295	10.0000	9.1(a)
	37 1,1-Dichloropropene	75	6.687	6.685	(0.920)	83450	10.0000	9.3
	38 Carbon tetrachloride	117	6.791	6.789	(0.934)	66582	10.0000	8.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	12014	10.0000	8.6(q)
	40 1,2-Dichloroethane	62	7.003	7.006	(0.963)	89981	10.0000	10.0
	41 Benzene	78	7.003	7.001	(0.963)	259155	10.0000	9.7
	115 tert-Amyl-methyl ether	73	6.867	6.869	(0.944)	162823	10.0000	9.4
*	42 FLUOROBENZENE (IS)	96	7.272	7.272	(1.000)	1158241	50.0000	
	43 Trichloroethylene	130	7.721	7.722	(1.062)	59631	10.0000	9.6
	44 Methyl Cyclohexane	55	7.780	7.781	(1.070)	84396	10.0000	9.4(a)
	45 1,2-Dichloropropane	63	7.927	7.927	(1.090)	75620	10.0000	10.0
	46 Methyl Methacrylate	69	8.029	8.036	(1.104)	39182	10.0000	9.1
	47 Bromodichloromethane	83	8.181	8.180	(1.125)	83064	10.0000	9.3
	48 1,4 Dioxane	88	8.232	8.238	(1.132)	11362	200.000	206
	49 Dibromomethane	93	8.233	8.232	(1.132)	37178	10.0000	9.5
	50 4-Methyl-2-Pentanone	43	8.581	8.583	(0.660)	118060	20.0000	20.3
	51 2-Hexanone	43	9.494	9.499	(0.897)	85275	20.0000	19.4
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	86336	10.0000	9.2
$	53 TOLUENE d8 (surr)	98	9.025	9.025	(1.241)	208877	10.0000	9.0
	54 Toluene	92	9.107	9.107	(1.252)	164729	10.0000	9.8
	55 trans 1,3-Dichloropropene	75	9.313	9.313	(1.281)	69803	10.0000	8.6
	56 Ethyl Methacrylate	69	9.319	9.321	(1.282)	75486	10.0000	9.1
	57 1,1,2-Trichloroethane	97	9.467	9.467	(1.302)	54708	10.0000	9.6
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	99356	10.0000	9.7
	59 Tetrachloroethylene	164	9.780	9.780	(0.924)	44033	10.0000	9.4
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	56361	10.0000	9.0
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	55578	10.0000	9.5
	62 1-Chlorohexane	91	10.372	10.373	(0.980)	81776	10.0000	9.2
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	829045	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	172253	10.0000	9.8
	65 1,1,1,2-Tetrachloroethane	131	10.666	10.667	(1.008)	53497	10.0000	9.4
	66 Ethylbenzene	106	10.676	10.672	(1.009)	94880	10.0000	9.6
	67 p,m-Xylene	106	10.753	10.753	(1.016)	237895	20.0000	19.3
	68 o-Xylene	91	11.191	11.190	(1.058)	240770	10.0000	9.2
	69 Styrene	104	11.230	11.230	(1.061)	207260	10.0000	9.3
	70 Bromoform	173	11.566	11.569	(1.093)	31707	10.0000	8.8
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	294730	10.0000	9.9
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	23751	20.0000	17.5
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	74164	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	86306	10.0000	9.1
	75 1,2,3- trichloropropane	110	11.881	11.879	(0.914)	22111	10.0000	9.8
	76 n-Propylbenzene	91	11.960	11.959	(0.920)	359422	10.0000	9.7
	77 Bromobenzene	77	11.997	11.998	(0.923)	134021	10.0000	9.8
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	265051	10.0000	9.9
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	267202	10.0000	10.1
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	257964	10.0000	10.3
	81 tert-Butylbenzene	119	12.479	12.479	(0.960)	228820	10.0000	9.6
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	276914	10.0000	9.8
	83 sec-Butylbenzene	105	12.691	12.692	(0.976)	301116	10.0000	9.6
	84 p-Isopropyltoluene	119	12.830	12.830	(0.987)	252520	10.0000	9.5
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	143941	10.0000	9.8
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	448301	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	149061	10.0000	10
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	67825	10.0000	6.9
	89 n-Butylbenzene	91	13.242	13.242	(1.019)	229535	10.0000	9.4
	90 1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	139680	10.0000	9.8
	91 1,2-dibromo-3-chloropropane	75	14.172	14.173	(1.090)	11687	10.0000	9.2
	92 1,2,4-Trichlorobenzene	180	14.854	14.853	(1.143)	83363	10.0000	9.7
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	19125	10.0000	9.8
	94 Naphthalene	128	15.032	15.032	(1.156)	196925	10.0000	9.3
	95 1,2,3-trichlorobenzene	180	15.194	15.196	(1.169)	76070	10.0000	9.9
	103 Isopropyl Ether	45	4.770	4.771	(0.656)	233619	10.0000	9.5
	104 Ethyl acetate	43	5.820	5.824	(0.800)	102743	20.0000	19.5
	105 Cyclohexanone	55	11.617	11.616	(1.098)	49991	100.000	98.2
	106 Ethyl ether	59	2.713	2.719	(0.373)	50232	10.0000	9.1(aq)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	24047	20.0000	15.9
	108 Tetrahydrofuran	42	6.253	6.264	(0.860)	36448	20.0000	20.9

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 10PPB.D
Lab Smp Id: 10PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 10PPBCAL
Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1158241	-0.68
63 CHLOROBENZENE d5	822247	411124	1644494	829045	0.83
86 1,4-DICHLOROBENZE	457500	228750	915000	448301	-2.01

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.01
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\10PPB.D

Date : 25-MAR-2008 08:59

Client ID: 10PPBCAL

Instrument: vms03.i

Sample Info: 10PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\5PPB.D
Lab Smp Id: 5PPBCAL Client Smp ID: 5PPBCAL
Inj Date : 25-MAR-2008 09:23
Operator : Inst ID: vms03.i
Smp Info : 5PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 08:59 Cal File: 10PPB.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				86970	10.0000	(a)
M 2 Xylenes (Total)	100				245158	15.0000	(a)
M 3 Trihalomethanes (Total)	100				149740	5.00000	(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	35123	5.00000	5.4
5 Chloromethane	50	1.575	1.573	(0.217)	37917	5.00000	5.5
6 Vinyl Chloride	62	1.674	1.676	(0.230)	32426	5.00000	6.8
7 Bromomethane	96	2.076	2.075	(0.286)	17012	5.00000	5.3(q)
8 Chloroethane	64	2.160	2.160	(0.297)	23257	5.00000	5.8
9 Trichlorofluoromethane	101	2.406	2.403	(0.331)	49059	5.00000	5.4
113 Bromoethane	108	3.414	3.420	(0.470)	25136	5.00000	5.2
10 Acrolein	56	2.868	2.873	(0.394)	10039	10.0000	9.7
11 1,1,2 Trichlorotrifluoromethan	101	2.899	2.897	(0.399)	27790	5.00000	5.1(a)
12 Acetone	43	2.950	2.945	(0.406)	17945	10.0000	10.9
13 1,1-Dichloroethene	61	3.096	3.097	(0.426)	54166	5.00000	5.4
109 t-Butyl-Alcohol	59	3.226	3.230	(0.444)	26049	50.0000	52.6(Q)
14 Acetonitrile	41	3.291	3.291	(0.453)	43150	50.0000	54.5
15 Iodomethane	142	3.497	3.496	(0.481)	47198	5.00000	5.1
16 Methyl Acetate	43	3.564	3.571	(0.490)	32110	5.00000	5.4
17 Allyl Chloride	41	3.582	3.582	(0.493)	54613	5.00000	5.4
18 Carbon Disulfide	76	3.728	3.724	(0.513)	86872	5.00000	5.0
19 Methylene Chloride	49	3.782	3.778	(0.520)	54892	5.00000	5.2
20 Acrylonitrile	53	3.977	3.981	(0.547)	27398	10.0000	10.3
21 Methyl-tert-butyl ether	73	4.018	4.020	(0.552)	87549	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.208	4.208	(0.579)	51703	5.00000	5.2
	23 1,1-Dichloroethane	63	4.879	4.880	(0.671)	61859	5.00000	5.1
	24 Vinyl Acetate	43	4.941	4.944	(0.679)	48268	5.00000	4.9
	25 Chloroprene	53	5.008	5.012	(0.689)	47997	5.00000	4.7
	26 2-Butanone	43	5.559	5.564	(0.764)	27402	10.0000	10.3
	27 Propionitrile	54	5.657	5.662	(0.778)	50444	50.0000	53.0
	114 tert-Butyl ethyl ether	59	5.386	5.389	(0.741)	113217	5.00000	5.1
	28 2,2-Dichloropropane	77	5.699	5.699	(0.784)	23149	5.00000	4.8
	29 cis-1,2-Dichloroethene	96	5.765	5.765	(0.793)	35267	5.00000	5.0
	30 Methyacrylonitrile	67	5.920	5.922	(0.814)	129925	50.0000	52.3
	31 Isobutyl Alcohol	43	5.993	5.995	(0.824)	26532	100.000	116(TQ)
	32 Chloroform	83	5.978	5.979	(0.822)	61934	5.00000	5.2
	33 Bromochloromethane	49	6.183	6.184	(0.850)	31700	5.00000	4.9
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.265	6.264	(0.861)	28582	5.00000	5.0
	35 1,1,1-Trichloroethane	97	6.486	6.487	(0.892)	39966	5.00000	5.0
	36 Cyclohexane	56	6.488	6.489	(0.892)	58571	5.00000	5.0(a)
	37 1,1-Dichloropropene	75	6.686	6.685	(0.919)	43913	5.00000	5.0
	38 Carbon tetrachloride	117	6.793	6.789	(0.934)	35090	5.00000	4.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.890	6.891	(0.947)	6373	5.00000	4.7(q)
	40 1,2-Dichloroethane	62	7.003	7.006	(0.963)	45754	5.00000	5.1
	41 Benzene	78	7.002	7.001	(0.963)	138523	5.00000	5.2
	115 tert-Amyl-methyl ether	73	6.867	6.869	(0.944)	85307	5.00000	5.0
*	42 FLUOROBENZENE (IS)	96	7.272	7.272	(1.000)	1157774	50.0000	
	43 Trichloroethylene	130	7.723	7.722	(1.062)	31696	5.00000	5.2
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	43434	5.00000	4.9(a)
	45 1,2-Dichloropropane	63	7.926	7.927	(1.090)	38755	5.00000	5.1
	46 Methyl Methacrylate	69	8.031	8.036	(1.104)	20613	5.00000	4.9
	47 Bromodichloromethane	83	8.181	8.180	(1.125)	43757	5.00000	5.0
	48 1,4 Dioxane	88	8.235	8.238	(1.132)	6192	100.000	112
	49 Dibromomethane	93	8.231	8.232	(1.132)	19391	5.00000	5.0
	50 4-Methyl-2-Pentanone	43	8.583	8.583	(0.660)	60353	10.0000	10.6
	51 2-Hexanone	43	9.496	9.499	(0.898)	44029	10.0000	10.0
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	41590	5.00000	4.5
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	110267	5.00000	4.8
	54 Toluene	92	9.108	9.107	(1.252)	83821	5.00000	5.0
	55 trans 1,3-Dichloropropene	75	9.312	9.313	(1.281)	35771	5.00000	4.6
	56 Ethyl Methacrylate	69	9.320	9.321	(1.282)	37516	5.00000	4.6
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	28128	5.00000	5.0
	58 1,3-Dichloropropane	76	9.730	9.729	(0.920)	51332	5.00000	5.0
	59 Tetrachloroethylene	164	9.780	9.780	(0.924)	22394	5.00000	4.8
	60 Dibromochloromethane	129	9.989	9.987	(0.944)	27812	5.00000	4.5
	61 1,2-Dibromoethane	107	10.192	10.192	(0.963)	28049	5.00000	4.8
	62 1-Chlorohexane	91	10.371	10.373	(0.980)	40680	5.00000	4.6
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	832182	50.0000	
	64 Chlorobenzene	112	10.619	10.620	(1.004)	88371	5.00000	5.0
	65 1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	25951	5.00000	4.6
	66 Ethylbenzene	106	10.675	10.672	(1.009)	47546	5.00000	4.8
	67 p,m-Xylene	106	10.753	10.753	(1.016)	122383	10.0000	10
	68 o-Xylene	91	11.192	11.190	(1.058)	122775	5.00000	4.8
	69 Styrene	104	11.230	11.230	(1.061)	103660	5.00000	4.7
	70 Bromoform	173	11.565	11.569	(1.093)	16237	5.00000	4.6
	71 1-Methylethylbenzene	105	11.557	11.555	(0.889)	147234	5.00000	5.1
	72 1,4-Dichloro-2-Butene	53	11.611	11.609	(0.893)	12555	10.0000	9.8
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	38117	5.00000	5.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.909)	46186	5.00000	5.1
	75 1,2,3- trichloropropane	110	11.880	11.879	(0.914)	11718	5.00000	5.4
	76 n-Propylbenzene	91	11.960	11.959	(0.920)	181538	5.00000	5.1
	77 Bromobenzene	77	11.999	11.998	(0.923)	69683	5.00000	5.2
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	129233	5.00000	5.0
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	130405	5.00000	5.0
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	127905	5.00000	5.2
	81 tert-Butylbenzene	119	12.479	12.479	(0.960)	110559	5.00000	4.8
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	137256	5.00000	5.0
	83 sec-Butylbenzene	105	12.691	12.692	(0.976)	147650	5.00000	4.9
	84 p-Isopropyltoluene	119	12.830	12.830	(0.987)	127583	5.00000	5.0
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	72882	5.00000	5.1
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	436103	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	70593	5.00000	4.8
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	30860	5.00000	3.4
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	113536	5.00000	4.8
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	66628	5.00000	4.8
	91 1,2-dibromo-3-chloropropane	75	14.174	14.173	(1.090)	5473	5.00000	4.5
	92 1,2,4-Trichlorobenzene	180	14.854	14.853	(1.143)	39662	5.00000	4.8
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	9600	5.00000	5.1
	94 Naphthalene	128	15.033	15.032	(1.157)	91359	5.00000	4.5
	95 1,2,3-trichlorobenzene	180	15.196	15.196	(1.169)	36278	5.00000	4.8
	103 Isopropyl Ether	45	4.770	4.771	(0.656)	123274	5.00000	5.1
	104 Ethyl acetate	43	5.821	5.824	(0.800)	51992	10.0000	9.9
	105 Cyclohexanone	55	11.619	11.616	(1.098)	23629	50.0000	46.4
	106 Ethyl ether	59	2.712	2.719	(0.373)	27659	5.00000	5.1(aq)
	107 2-Nitropropane	43	8.281	8.279	(1.139)	12754	10.0000	8.8(a)
	108 Tetrahydrofuran	42	6.255	6.264	(0.860)	20537	10.0000	11.7

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 5PPB.D
Lab Smp Id: 5PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 5PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1157774	-0.72
63 CHLOROBENZENE d5	822247	411124	1644494	832182	1.21
86 1,4-DICHLOROBENZE	457500	228750	915000	436103	-4.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.02
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\5PPB.D

Date : 25-MAR-2008 09:23

Client ID: 5PPBCAL

Instrument: vms03.i

Sample Info: 5PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\2PPB.D
Lab Smp Id: 2PPBCAL Client Smp ID: 2PPBCAL
Inj Date : 25-MAR-2008 09:47
Operator : Inst ID: vms03.i
Smp Info : 2PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 06:59 Cal File: 1PPB.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				33634	4.00000	(a)
M 2 Xylenes (Total)	100				93693	6.00000	(a)
M 3 Trihalomethanes (Total)	100				57300	2.00000	(a)
4 Dichlorodifluoromethane	85	1.389	1.389	(0.191)	12000	2.00000	1.9
5 Chloromethane	50	1.573	1.573	(0.216)	15408	2.00000	2.1
6 Vinyl Chloride	62	1.676	1.676	(0.230)	11816	2.00000	2.3
7 Bromomethane	96	2.075	2.075	(0.285)	6099	2.00000	1.9(a)
8 Chloroethane	64	2.160	2.160	(0.297)	7377	2.00000	1.8
9 Trichlorofluoromethane	101	2.403	2.403	(0.330)	16626	2.00000	1.9
113 Bromoethane	108	3.420	3.420	(0.470)	8418	2.00000	1.8
10 Acrolein	56	2.873	2.873	(0.395)	3685	4.00000	3.6
11 1,1,2 Trichlorotrifluoromethan	101	2.897	2.897	(0.398)	10248	2.00000	2.0(a)
12 Acetone	43	2.945	2.945	(0.405)	7517	4.00000	4.6(a)
13 1,1-Dichloroethene	61	3.097	3.097	(0.426)	20724	2.00000	2.1
109 t-Butyl-Alcohol	59	3.230	3.230	(0.444)	9429	20.0000	19.6(Q)
14 Acetonitrile	41	3.291	3.291	(0.453)	15022	20.0000	18.7
15 Iodomethane	142	3.496	3.496	(0.481)	16936	2.00000	1.9(a)
16 Methyl Acetate	43	3.571	3.571	(0.491)	12681	2.00000	2.1
17 Allyl Chloride	41	3.582	3.582	(0.493)	19975	2.00000	2.0
18 Carbon Disulfide	76	3.724	3.724	(0.512)	32851	2.00000	2.0
19 Methylene Chloride	49	3.778	3.778	(0.520)	21200	2.00000	2.0
20 Acrylonitrile	53	3.981	3.981	(0.547)	9743	4.00000	3.8
21 Methyl-tert-butyl ether	73	4.020	4.020	(0.553)	32545	2.00000	1.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.208	4.208	(0.579)	20083	2.00000	2.0
	23 1,1-Dichloroethane	63	4.880	4.880	(0.671)	23669	2.00000	2.0
	24 Vinyl Acetate	43	4.944	4.944	(0.680)	17269	2.00000	1.8
	25 Chloroprene	53	5.012	5.012	(0.689)	19472	2.00000	2.0
	26 2-Butanone	43	5.564	5.564	(0.765)	11214	4.00000	4.3(a)
	27 Propionitrile	54	5.662	5.662	(0.779)	17937	20.0000	19.3
	114 tert-Butyl ethyl ether	59	5.389	5.389	(0.741)	40844	2.00000	1.9
	28 2,2-Dichloropropane	77	5.699	5.699	(0.784)	8416	2.00000	1.8
	29 cis-1,2-Dichloroethene	96	5.765	5.765	(0.793)	13551	2.00000	2.0
	30 Methyacrylonitrile	67	5.922	5.922	(0.814)	47642	20.0000	19.8
	31 Isobutyl Alcohol	43	5.994	5.995	(0.824)	10833	40.0000	46.4(TQ)
	32 Chloroform	83	5.979	5.979	(0.822)	23434	2.00000	2.0
	33 Bromochloromethane	49	6.184	6.184	(0.850)	13067	2.00000	2.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.263	6.264	(0.861)	13805	2.00000	2.5
	35 1,1,1-Trichloroethane	97	6.487	6.487	(0.892)	14410	2.00000	1.9(Q)
	36 Cyclohexane	56	6.489	6.489	(0.892)	21009	2.00000	1.8(a)
	37 1,1-Dichloropropene	75	6.685	6.685	(0.919)	17101	2.00000	2.0
	38 Carbon tetrachloride	117	6.789	6.789	(0.934)	13521	2.00000	1.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.890	6.891	(0.947)	3003	2.00000	2.3
	40 1,2-Dichloroethane	62	7.006	7.006	(0.963)	18202	2.00000	2.1
	41 Benzene	78	7.001	7.001	(0.963)	54149	2.00000	2.1
	115 tert-Amyl-methyl ether	73	6.869	6.869	(0.945)	31834	2.00000	1.9
*	42 FLUOROBENZENE (IS)	96	7.272	7.272	(1.000)	1130606	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	12117	2.00000	2.0
	44 Methyl Cyclohexane	55	7.781	7.781	(1.070)	17105	2.00000	2.0(a)
	45 1,2-Dichloropropane	63	7.927	7.927	(1.090)	15124	2.00000	2.1
	46 Methyl Methacrylate	69	8.036	8.036	(1.105)	7484	2.00000	1.9
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	17116	2.00000	2.0
	48 1,4 Dioxane	88	8.238	8.238	(1.133)	2445	40.0000	44.4(Q)
	49 Dibromomethane	93	8.232	8.232	(1.132)	7317	2.00000	1.9
	50 4-Methyl-2-Pentanone	43	8.583	8.583	(0.660)	21132	4.00000	3.7(a)
	51 2-Hexanone	43	9.499	9.499	(0.898)	16852	4.00000	4.0(a)
	52 cis 1,3-Dichloropropene	75	8.781	8.781	(1.208)	16034	2.00000	1.8
$	53 TOLUENE d8 (surr)	98	9.025	9.025	(1.241)	52833	2.00000	2.4
	54 Toluene	92	9.107	9.107	(1.252)	33857	2.00000	2.1
	55 trans 1,3-Dichloropropene	75	9.313	9.313	(1.281)	13003	2.00000	1.8
	56 Ethyl Methacrylate	69	9.321	9.321	(1.282)	13725	2.00000	1.8
	57 1,1,2-Trichloroethane	97	9.467	9.467	(1.302)	10692	2.00000	1.9
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	19744	2.00000	2.0
	59 Tetrachloroethylene	164	9.780	9.780	(0.924)	8407	2.00000	1.9
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	10764	2.00000	1.8
	61 1,2-Dibromoethane	107	10.192	10.192	(0.963)	10410	2.00000	1.9
	62 1-Chlorohexane	91	10.373	10.373	(0.980)	14339	2.00000	1.8
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	812573	50.0000	
	64 Chlorobenzene	112	10.620	10.620	(1.004)	35109	2.00000	2.0
	65 1,1,1,2-Tetrachloroethane	131	10.667	10.667	(1.008)	10401	2.00000	1.9
	66 Ethylbenzene	106	10.672	10.672	(1.009)	18830	2.00000	2.0
	67 p,m-Xylene	106	10.753	10.753	(1.016)	46212	4.00000	3.9
	68 o-Xylene	91	11.190	11.190	(1.058)	47481	2.00000	1.9
	69 Styrene	104	11.230	11.230	(1.061)	38456	2.00000	1.8
	70 Bromoform	173	11.569	11.569	(1.093)	5986	2.00000	1.8
	71 1-Methylethylbenzene	105	11.555	11.555	(0.889)	54172	2.00000	1.9
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	4689	4.00000	3.8
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	14829	2.00000	2.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	21477	2.00000	2.4
	75 1,2,3- trichloropropane	110	11.881	11.879	(0.914)	4418	2.00000	2.0
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	66726	2.00000	1.9
	77 Bromobenzene	77	11.998	11.998	(0.923)	30719	2.00000	2.4
	78 1,3,5-Trimethylbenzene	105	12.121	12.121	(0.932)	46813	2.00000	1.9
	79 2-Chlorotoluene	91	12.136	12.136	(0.934)	49741	2.00000	2.0
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	47488	2.00000	2.0
	81 tert-Butylbenzene	119	12.479	12.479	(0.960)	41192	2.00000	1.9
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	50664	2.00000	1.9
	83 sec-Butylbenzene	105	12.692	12.692	(0.976)	55187	2.00000	1.9
	84 p-Isopropyltoluene	119	12.830	12.830	(0.987)	46352	2.00000	1.9
	85 1,3-Dichlorobenzene	146	12.923	12.923	(0.994)	27181	2.00000	1.9
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	430557	50.0000	
	87 1,4-Dichlorobenzene	146	13.032	13.032	(1.002)	28053	2.00000	2.0
	88 Benzyl Chloride	91	13.150	13.150	(1.012)	11206	2.00000	1.4
	89 n-Butylbenzene	91	13.242	13.242	(1.019)	42459	2.00000	1.9
	90 1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	25372	2.00000	1.9
	91 1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	1989	2.00000	1.7
	92 1,2,4-Trichlorobenzene	180	14.853	14.853	(1.143)	14719	2.00000	1.8
	93 Hexachlorobutadiene	223	14.950	14.950	(1.150)	3797	2.00000	2.0
	94 Naphthalene	128	15.032	15.032	(1.156)	35327	2.00000	1.9
	95 1,2,3-trichlorobenzene	180	15.196	15.196	(1.169)	13773	2.00000	1.9
	103 Isopropyl Ether	45	4.771	4.771	(0.656)	45637	2.00000	1.9
	104 Ethyl acetate	43	5.824	5.824	(0.801)	23575	4.00000	4.6(Q)
	105 Cyclohexanone	55	11.616	11.616	(1.098)	11080	20.0000	22.6
	106 Ethyl ether	59	2.719	2.719	(0.374)	10625	2.00000	2.0(aQ)
	107 2-Nitropropane	43	8.279	8.279	(1.139)	4889	4.00000	3.6(a)
	108 Tetrahydrofuran	42	6.264	6.264	(0.861)	7971	4.00000	4.4(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 2PPB.D
Lab Smp Id: 2PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 2PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1130606	-3.05
63 CHLOROBENZENE d5	822247	411124	1644494	812573	-1.18
86 1,4-DICHLOROBENZE	457500	228750	915000	430557	-5.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.02
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\2PPB.D

Date : 25-MAR-2008 09:47

Client ID: 2PPBCAL

Instrument: vms03.i

Sample Info: 2PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\1PPB.D
Lab Smp Id: 1PPBCAL Client Smp ID: 1PPBCAL
Inj Date : 25-MAR-2008 06:59
Operator : Inst ID: vms03.i
Smp Info : 1PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				15888	2.00000	(a)
M 2 Xylenes (Total)	100				44331	3.00000	(a)
M 3 Trihalomethanes (Total)	100				27044	1.00000	(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	5017	1.00000	0.80(a)
5 Chloromethane	50	1.574	1.573	(0.217)	9079	1.00000	1.4
6 Vinyl Chloride	62	1.673	1.676	(0.230)	6343	1.00000	1.3
7 Bromomethane	96	2.076	2.075	(0.286)	3215	1.00000	1.0(a)
8 Chloroethane	64	2.160	2.160	(0.297)	4941	1.00000	1.2
9 Trichlorofluoromethane	101	2.418	2.403	(0.333)	8374	1.00000	0.95(a)
113 Bromoethane	108	3.419	3.420	(0.470)	3962	1.00000	0.85(a)
10 Acrolein	56	2.874	2.873	(0.395)	2058	2.00000	2.1(M)
11 1,1,2 Trichlorotrifluoromethan	101	2.899	2.897	(0.399)	4451	1.00000	0.85(a)
13 1,1-Dichloroethene	61	3.097	3.097	(0.426)	9263	1.00000	0.95(a)
109 t-Butyl-Alcohol	59	3.231	3.230	(0.444)	4233	10.0000	8.8(TQM)
14 Acetonitrile	41	3.292	3.291	(0.453)	8903	10.0000	11.6
15 Iodomethane	142	3.497	3.496	(0.481)	9073	1.00000	1.0(a)
16 Methyl Acetate	43	3.576	3.571	(0.492)	6868	1.00000	1.2(T)
17 Allyl Chloride	41	3.576	3.582	(0.492)	9015	1.00000	0.91(M)
18 Carbon Disulfide	76	3.729	3.724	(0.513)	15122	1.00000	0.91(a)
19 Methylene Chloride	49	3.781	3.778	(0.520)	11797	1.00000	1.2(a)
20 Acrylonitrile	53	3.981	3.981	(0.547)	4551	2.00000	1.8(a)
21 Methyl-tert-butyl ether	73	4.030	4.020	(0.554)	15582	1.00000	0.94(a)
22 trans 1,2-Dichloroethene	61	4.207	4.208	(0.579)	9422	1.00000	0.97(aq)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
23	1,1-Dichloroethane	63	4.878	4.880	(0.671)	11299	1.00000	0.97(a)
24	Vinyl Acetate	43	4.939	4.944	(0.679)	9531	1.00000	1.0(M)
25	Chloroprene	53	5.015	5.012	(0.690)	8915	1.00000	0.92
26	2-Butanone	43	5.560	5.564	(0.765)	5369	2.00000	2.1(a)
27	Propionitrile	54	5.662	5.662	(0.779)	8428	10.0000	9.1
114	tert-Butyl ethyl ether	59	5.392	5.389	(0.742)	18946	1.00000	0.89(a)
28	2,2-Dichloropropane	77	5.697	5.699	(0.783)	3700	1.00000	0.81(a)
29	cis-1,2-Dichloroethene	96	5.764	5.765	(0.793)	6466	1.00000	0.96(a)
30	Methyacrylonitrile	67	5.923	5.922	(0.815)	21455	10.0000	8.9
31	Isobutyl Alcohol	43	6.003	5.995	(0.826)	5022	20.0000	22.2(TQM)
32	Chloroform	83	5.979	5.979	(0.822)	11421	1.00000	1.00
33	Bromochloromethane	49	6.184	6.184	(0.851)	6400	1.00000	1.0
35	1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	7193	1.00000	0.94(TaQ)
36	Cyclohexane	56	6.489	6.489	(0.892)	10903	1.00000	0.97(a)
37	1,1-Dichloropropene	75	6.687	6.685	(0.920)	7896	1.00000	0.93(a)
38	Carbon tetrachloride	117	6.792	6.789	(0.934)	6506	1.00000	0.93(a)
40	1,2-Dichloroethane	62	7.007	7.006	(0.964)	8077	1.00000	0.93(a)
41	Benzene	78	7.004	7.001	(0.963)	26977	1.00000	1.0
115	tert-Amyl-methyl ether	73	6.870	6.869	(0.945)	14183	1.00000	0.86(a)
* 42	FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1110206	50.0000	
43	Trichloroethylene	130	7.722	7.722	(1.062)	5268	1.00000	0.89(a)
44	Methyl Cyclohexane	55	7.783	7.781	(1.070)	7506	1.00000	0.89(a)
45	1,2-Dichloropropane	63	7.927	7.927	(1.090)	6796	1.00000	0.93(a)
46	Methyl Methacrylate	69	8.031	8.036	(1.105)	3419	1.00000	0.85
47	Bromodichloromethane	83	8.180	8.180	(1.125)	7654	1.00000	0.91(a)
48	1,4 Dioxane	88	8.243	8.238	(1.134)	702	20.0000	13.0(QM)
49	Dibromomethane	93	8.232	8.232	(1.132)	3546	1.00000	0.95(a)
50	4-Methyl-2-Pentanone	43	8.587	8.583	(0.661)	10990	2.00000	2.0(a)
51	2-Hexanone	43	9.497	9.499	(0.898)	7550	2.00000	1.8(a)
52	cis 1,3-Dichloropropene	75	8.779	8.781	(1.207)	7744	1.00000	0.89(a)
54	Toluene	92	9.108	9.107	(1.253)	14542	1.00000	0.91(a)
55	trans 1,3-Dichloropropene	75	9.314	9.313	(1.281)	6062	1.00000	0.82(a)
56	Ethyl Methacrylate	69	9.321	9.321	(1.282)	6135	1.00000	0.80(a)
57	1,1,2-Trichloroethane	97	9.465	9.467	(1.302)	5462	1.00000	1.0
58	1,3-Dichloropropane	76	9.730	9.729	(0.920)	9462	1.00000	0.95(a)
59	Tetrachloroethylene	164	9.779	9.780	(0.924)	4277	1.00000	0.95(a)
60	Dibromochloromethane	129	9.986	9.987	(0.944)	5115	1.00000	0.87(a)
61	1,2-Dibromoethane	107	10.190	10.192	(0.963)	5171	1.00000	0.92(a)
62	1-Chlorohexane	91	10.372	10.373	(0.980)	6573	1.00000	0.78(a)
* 63	CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	811564	50.0000	
64	Chlorobenzene	112	10.617	10.620	(1.004)	17950	1.00000	1.0
65	1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	5111	1.00000	0.94(aQ)
66	Ethylbenzene	106	10.674	10.672	(1.009)	8984	1.00000	0.94(a)
67	p,m-Xylene	106	10.754	10.753	(1.016)	22041	2.00000	1.8(a)
68	o-Xylene	91	11.190	11.190	(1.058)	22290	1.00000	0.89(a)
69	Styrene	104	11.230	11.230	(1.061)	18175	1.00000	0.86(a)
70	Bromoform	173	11.567	11.569	(1.093)	2854	1.00000	0.84(a)
71	1-Methylethylbenzene	105	11.555	11.555	(0.889)	25061	1.00000	0.89(a)
72	1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	2076	2.00000	1.7
73	1,1,2,2-Tetrachloroethane	83	11.733	11.732	(0.903)	7264	1.00000	1.0
75	1,2,3- trichloropropane	110	11.883	11.879	(0.914)	1982	1.00000	0.93(a)
76	n-Propylbenzene	91	11.959	11.959	(0.920)	31441	1.00000	0.90(a)
77	Bromobenzene	77	11.999	11.998	(0.923)	11873	1.00000	0.92(a)
78	1,3,5-Trimethylbenzene	105	12.120	12.121	(0.933)	22005	1.00000	0.87(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
79	2-Chlorotoluene	91	12.134	12.136	(0.934)	23815	1.00000	0.95(a)
80	4-Chlorotoluene	91	12.183	12.183	(0.937)	22349	1.00000	0.93(a)
81	tert-Butylbenzene	119	12.478	12.479	(0.960)	18921	1.00000	0.86(a)
82	1,2,4-trimethylbenzene	105	12.513	12.514	(0.963)	23527	1.00000	0.89(a)
83	sec-Butylbenzene	105	12.689	12.692	(0.976)	25366	1.00000	0.86(a)
84	p-Isopropyltoluene	119	12.830	12.830	(0.987)	21350	1.00000	0.86(a)
85	1,3-Dichlorobenzene	146	12.921	12.923	(0.994)	12994	1.00000	0.94(a)
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	422640	50.0000	
87	1,4-Dichlorobenzene	146	13.030	13.032	(1.003)	14378	1.00000	1.0
88	Benzyl Chloride	91	13.151	13.150	(1.012)	5470	1.00000	0.66
89	n-Butylbenzene	91	13.241	13.242	(1.019)	19664	1.00000	0.87(a)
90	1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	13227	1.00000	1.00
92	1,2,4-Trichlorobenzene	180	14.857	14.853	(1.143)	6824	1.00000	0.85(a)
93	Hexachlorobutadiene	223	14.957	14.950	(1.151)	1693	1.00000	0.92(aM)
94	Naphthalene	128	15.036	15.032	(1.157)	14281	1.00000	0.74(a)
95	1,2,3-trichlorobenzene	180	15.202	15.196	(1.170)	6210	1.00000	0.86(a)
103	Isopropyl Ether	45	4.776	4.771	(0.657)	22789	1.00000	0.97
104	Ethyl acetate	43	5.824	5.824	(0.801)	9907	2.00000	2.0(Q)
105	Cyclohexanone	55	11.617	11.616	(1.098)	3693	10.0000	7.5
106	Ethyl ether	59	2.714	2.719	(0.373)	4582	1.00000	0.88(aQ)
107	2-Nitropropane	43	8.280	8.279	(1.139)	2549	2.00000	1.9(a)
108	Tetrahydrofuran	42	6.265	6.264	(0.862)	4059	2.00000	2.3(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 1PPB.D
Lab Smp Id: 1PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 1PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1110206	-4.80
63 CHLOROBENZENE d5	822247	411124	1644494	811564	-1.30
86 1,4-DICHLOROBENZE	457500	228750	915000	422640	-7.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.01
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\1PPB.D

Date : 25-MAR-2008 06:59

Client ID: 1PPBCAL

Instrument: vms03.i

Sample Info: 1PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\SEC31.D
Lab Smp Id: SEC31 Client Smp ID: SEC31
Inj Date : 25-MAR-2008 10:12
Operator : Inst ID: vms03.i
Smp Info : SEC31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 1 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				881892	103.834	104
M 2 Xylenes (Total)	100				2570683	159.613	160
M 3 Trihalomethanes (Total)	100				1568761	214.061	214
4 Dichlorodifluoromethane	85	1.386	1.389	(0.191)	301702	47.6510	47.6
5 Chloromethane	50	1.573	1.573	(0.216)	342150	46.2801	46.3
6 Vinyl Chloride	62	1.671	1.676	(0.230)	236163	51.5752	51.6
7 Bromomethane	96	2.071	2.075	(0.285)	172095	53.0408	53.0(Q)
8 Chloroethane	64	2.156	2.160	(0.297)	211124	50.2247	50.2
9 Trichlorofluoromethane	101	2.403	2.403	(0.331)	472241	52.3766	52.4
113 Bromoethane	108	3.416	3.420	(0.470)	253358	54.1412	54.1
10 Acrolein	56	2.862	2.873	(0.394)	81208	79.4172	79.4
11 1,1,2 Trichlorotrifluoromethan	101	2.897	2.897	(0.398)	284877	53.6931	53.7
12 Acetone	43	2.943	2.945	(0.405)	132869	78.2646	78.3
13 1,1-Dichloroethene	61	3.094	3.097	(0.426)	523115	51.5268	51.5
109 t-Butyl-Alcohol	59	3.217	3.230	(0.443)	257513	526.774	527
14 Acetonitrile	41	3.282	3.291	(0.451)	390298	480.420	480
15 Iodomethane	142	3.493	3.496	(0.480)	475549	51.6435	51.6
16 Methyl Acetate	43	3.558	3.571	(0.489)	296725	47.6276	47.6
17 Allyl Chloride	41	3.579	3.582	(0.492)	528094	52.0611	52.1
18 Carbon Disulfide	76	3.723	3.724	(0.512)	883119	51.9260	51.9
19 Methylene Chloride	49	3.780	3.778	(0.520)	530090	49.2841	49.3
20 Acrylonitrile	53	3.970	3.981	(0.546)	222131	85.2085	85.2
21 Methyl-tert-butyl ether	73	4.012	4.020	(0.552)	887220	52.0593	52.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.204	4.208	(0.578)	518126	51.5862	51.6
	23 1,1-Dichloroethane	63	4.877	4.880	(0.671)	628340	51.9644	52.0
	24 Vinyl Acetate	43	4.936	4.944	(0.679)	493325	50.7034	50.7
	25 Chloroprene	53	5.010	5.012	(0.689)	530622	53.5383	53.5
	26 2-Butanone	43	5.548	5.564	(0.763)	212456	78.7451	78.7
	27 Propionitrile	54	5.649	5.662	(0.777)	487745	517.184	517
	114 tert-Butyl ethyl ether	59	5.383	5.389	(0.740)	1148766	53.0830	53.1
	28 2,2-Dichloropropane	77	5.698	5.699	(0.784)	254538	55.4903	55.5
	29 cis-1,2-Dichloroethene	96	5.762	5.765	(0.793)	363766	52.2479	52.2
	30 Methyacrylonitrile	67	5.914	5.922	(0.813)	1304119	531.144	531
	31 Isobutyl Alcohol	43	5.980	5.995	(0.822)	223552	919.156	919(Q)
	32 Chloroform	83	5.977	5.979	(0.822)	616324	51.6895	51.7
	33 Bromochloromethane	49	6.182	6.184	(0.850)	333782	51.5919	51.6
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	278527	47.5642	47.6
	35 1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	408911	52.4579	52.4
	36 Cyclohexane	56	6.487	6.489	(0.892)	603143	52.2636	52.3
	37 1,1-Dichloropropene	75	6.685	6.685	(0.919)	461248	52.9121	52.9
	38 Carbon tetrachloride	117	6.792	6.789	(0.934)	389923	54.2674	54.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	68586	50.1698	50.2(Q)
	40 1,2-Dichloroethane	62	7.003	7.006	(0.963)	461743	51.5775	51.6
	41 Benzene	78	7.002	7.001	(0.963)	1388509	51.5901	51.6
	115 tert-Amyl-methyl ether	73	6.863	6.869	(0.944)	908511	54.4240	54.4
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1154178	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	319552	52.6316	52.6
	44 Methyl Cyclohexane	55	7.780	7.781	(1.070)	450569	52.1061	52.1
	45 1,2-Dichloropropane	63	7.926	7.927	(1.090)	388261	51.6108	51.6
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	218328	53.8072	53.8
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	458285	52.8562	52.8
	48 1,4 Dioxane	88	8.227	8.238	(1.132)	54134	947.395	947(Q)
	49 Dibromomethane	93	8.230	8.232	(1.132)	198924	51.9904	52.0
	50 4-Methyl-2-Pentanone	43	8.579	8.583	(0.660)	466604	78.4732	78.5
	51 2-Hexanone	43	9.491	9.499	(0.897)	354332	83.9285	83.9
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	477412	54.3252	54.3
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1124322	48.4930	48.5
	54 Toluene	92	9.106	9.107	(1.252)	859787	52.0087	52.0
	55 trans 1,3-Dichloropropene	75	9.312	9.313	(1.281)	410539	55.4680	55.5
	56 Ethyl Methacrylate	69	9.317	9.321	(1.281)	419239	54.7143	54.7
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	287325	51.3337	51.3
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	525130	52.8908	52.9
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	238230	53.5224	53.5
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	312780	54.3368	54.3
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	290712	52.5561	52.6
	62 1-Chlorohexane	91	10.370	10.373	(0.980)	451800	56.0281	56.0
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	814234	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	888839	51.1892	51.2
	65 1,1,1,2-Tetrachloroethane	131	10.665	10.667	(1.008)	286010	53.0566	53.0(q)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	506510	53.3049	53.3
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1253784	105.895	106
	68 o-Xylene	91	11.190	11.190	(1.058)	1316899	53.7180	53.7
	69 Styrene	104	11.229	11.230	(1.061)	1118099	54.0627	54.1
	70 Bromoform	173	11.566	11.569	(1.093)	181372	55.1783	55.2
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	1589010	53.3420	53.3
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	141815	108.904	109
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	385738	50.0882	50.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	461747	47.2754	47.3
	75 1,2,3- trichloropropane	110	11.880	11.879	(0.914)	116995	50.9826	51.0
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	1952301	53.0208	53.0
	77 Bromobenzene	77	11.998	11.998	(0.923)	713566	50.4723	50.5
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	1419082	53.6361	53.6
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	1398978	52.1873	52.2
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	1323708	51.7048	51.7
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1255457	54.1098	54.1
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	1497959	53.5338	53.5
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	1654759	53.6862	53.7
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	1383349	53.1102	53.1
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	763643	51.6665	51.7
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	456679	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	772853	50.9740	51.0
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	517695	52.1723	52.2
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	1296067	54.4134	54.4
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	731767	51.4004	51.4
	91 1,2-dibromo-3-chloropropane	75	14.174	14.173	(1.090)	66113	54.1130	54.1
	92 1,2,4-Trichlorobenzene	180	14.853	14.853	(1.143)	442819	52.7942	52.8
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	98474	50.1316	50.1
	94 Naphthalene	128	15.032	15.032	(1.156)	1093565	54.8784	54.9
	95 1,2,3-trichlorobenzene	180	15.196	15.196	(1.169)	397073	52.3346	52.3
	103 Isopropyl Ether	45	4.766	4.771	(0.655)	1254538	52.0191	52.0
	104 Ethyl acetate	43	5.813	5.824	(0.799)	552792	104.192	104
	105 Cyclohexanone	55	11.615	11.616	(1.098)	251264	501.461	501
	106 Ethyl ether	59	2.709	2.719	(0.373)	268029	50.1577	50.2(Q)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	152201	109.995	110
	108 Tetrahydrofuran	42	6.246	6.264	(0.859)	168910	90.4193	90.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: SEC31.D
Lab Smp Id: SEC31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SEC31
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1154178	-1.03
63 CHLOROBENZENE d5	822247	411124	1644494	814234	-0.97
86 1,4-DICHLOROBENZE	457500	228750	915000	456679	-0.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\SEC31.D

Date : 25-MAR-2008 10:12

Client ID: SEC31

Instrument: vms03.i

Sample Info: SEC31

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

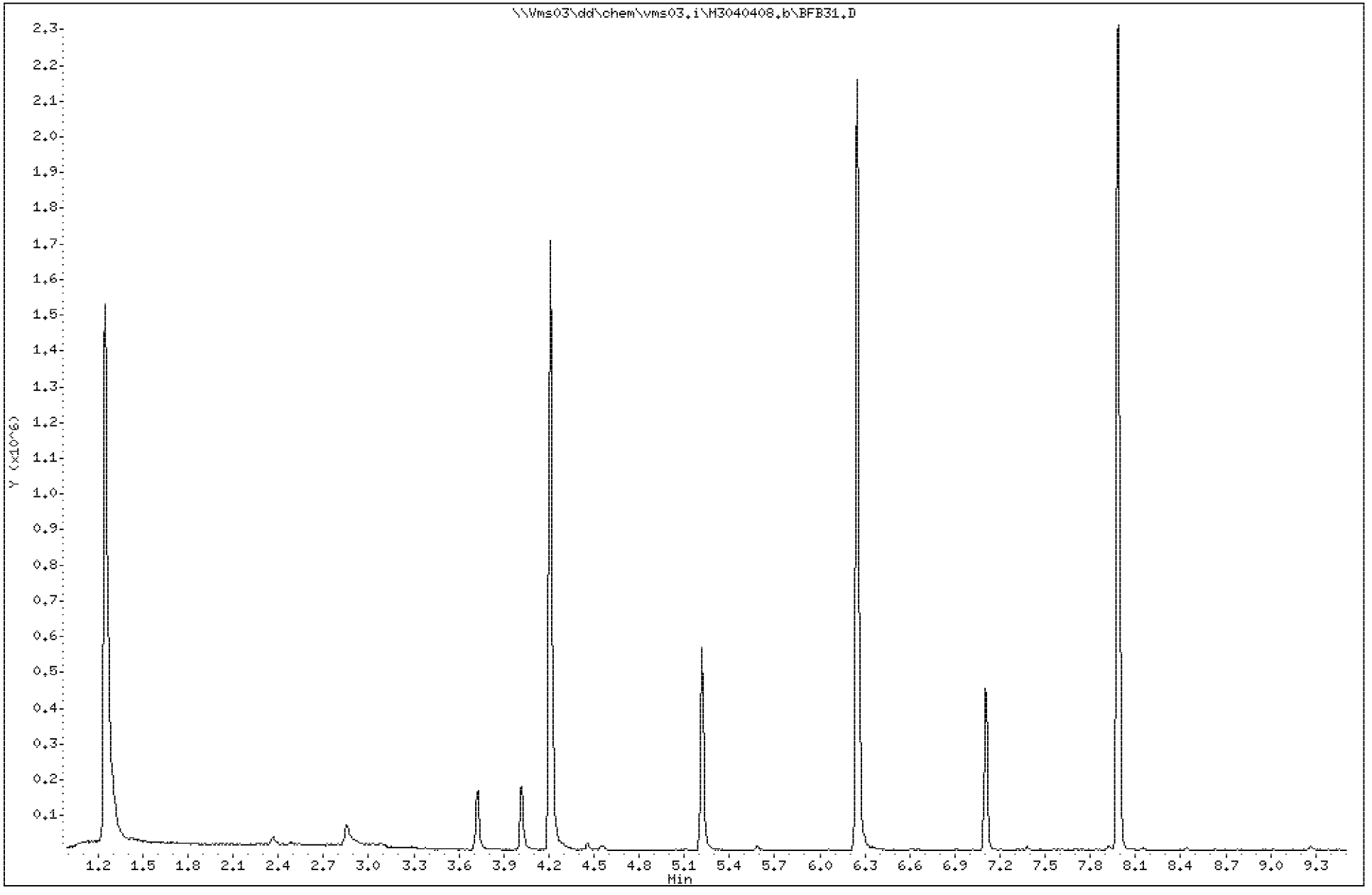
PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\BFB31.D
Lab Smp Id: 040408BFBA31 Client Smp ID: 040408BFBA31
Inj Date : 04-APR-2008 05:31
Operator : Inst ID: vms03.i
Smp Info : 040408BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\BFBE.m
Meth Date : 04-Apr-2008 12:47 mstephens Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 74-83-9		
7.103	7.500	-0.397	95	87664			0.00- 100.00	100.00
7.103	7.500	-0.397	50	16744			15.00- 40.00	19.10
7.103	7.500	-0.397	75	43888			30.00- 60.00	50.06
7.103	7.500	-0.397	96	5770			5.00- 9.00	6.58
7.103	7.500	-0.397	173	0	0.0	0.0	0.00- 2.00	0.00
7.103	7.500	-0.397	174	61880			50.00- 100.00	70.59
7.103	7.500	-0.397	175	4692			5.00- 9.00	7.58
7.103	7.500	-0.397	176	60568			95.00- 101.00	97.88
7.103	7.500	-0.397	177	3888			5.00- 9.00	6.42

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\BFB31.D
Date : 04-APR-2008 05:31
Client ID: 040408BFBA31
Instrument: vms03.i
Sample Info: 040408BFBA31
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-57
2508946

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\BFB31.D

Date : 04-APR-2008 05:31

Client ID: 040408BFBA31

Instrument: vms03.i

Sample Info: 040408BFBA31

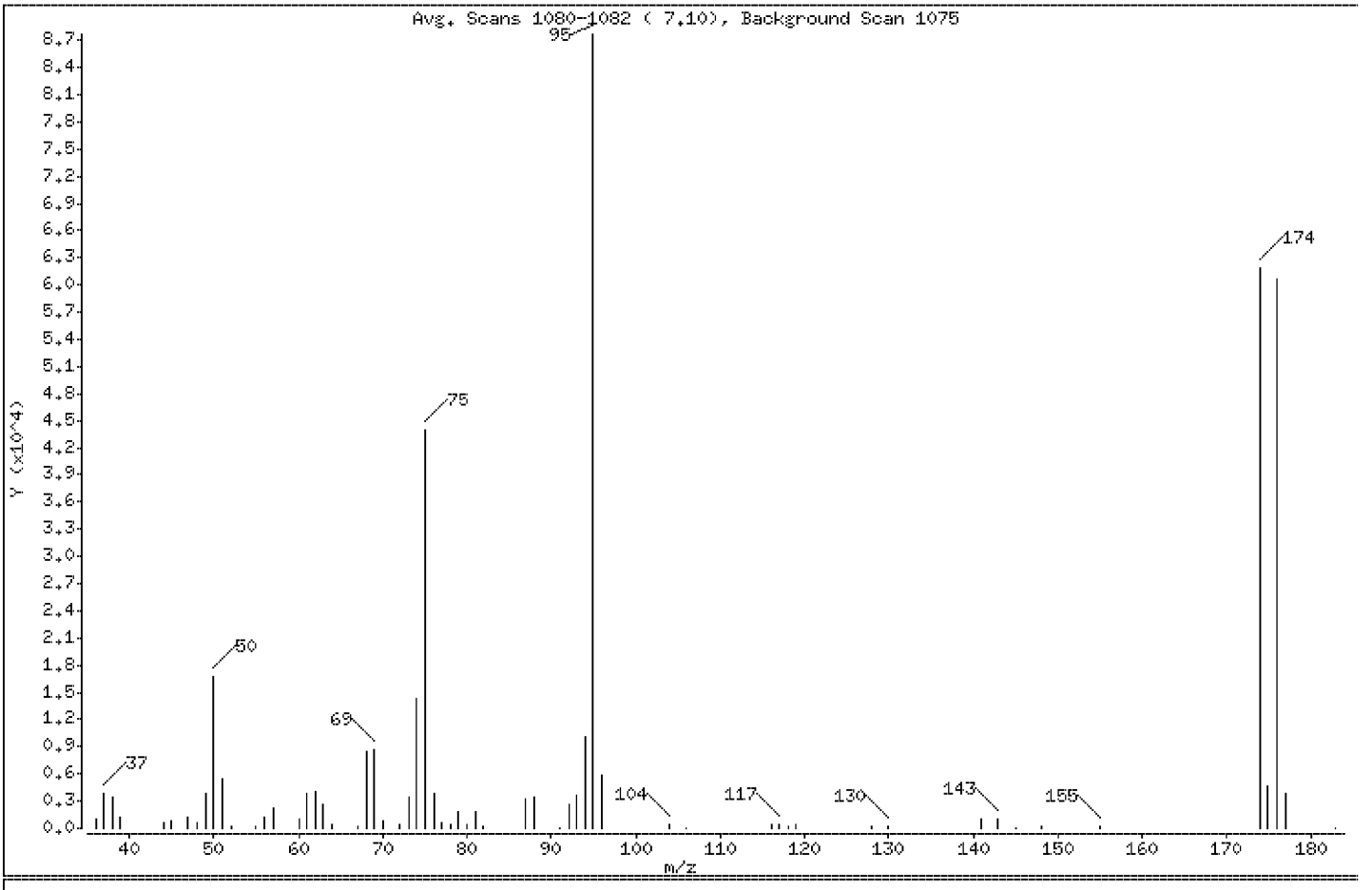
Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.10
75	30.00 - 60.00% of mass 95	50.06
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	70.59
175	5.00 - 9.00% of mass 174	5.35 (7.58)
176	95.00 - 101.00% of mass 174	69.09 (97.88)
177	5.00 - 9.00% of mass 176	4.44 (6.42)

Date : 04-APR-2008 05:31

Client ID: 040408BFBA31 Instrument: vms03.i

Sample Info: 040408BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Avg. Scans 1080-1082 (7.10), Background Scan 1075
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1103	61.00	3884	80.00	452	119.00	421
37.00	3923	62.00	4122	81.00	1769	128.00	230
38.00	3463	63.00	2594	82.00	262	130.00	242
39.00	1201	64.00	397	87.00	3189	141.00	975
44.00	563	67.00	226	88.00	3518	143.00	1019
45.00	818	68.00	8531	91.00	87	145.00	90
47.00	1269	69.00	8641	92.00	2544	148.00	211
48.00	653	70.00	786	93.00	3721	155.00	212
49.00	3748	72.00	461	94.00	10139	174.00	61880
50.00	16744	73.00	3447	95.00	87664	175.00	4692
51.00	5441	74.00	14269	96.00	5770	176.00	60568
52.00	101	75.00	43888	104.00	337	177.00	3888
55.00	159	76.00	3849	106.00	71	183.00	91
56.00	1294	77.00	538	116.00	356		
57.00	2206	78.00	444	117.00	497		
60.00	1087	79.00	1903	118.00	198		

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D
Lab Smp Id: 040408CCVA32 Client Smp ID: 040408CCVA32
Inj Date : 04-APR-2008 06:42
Operator : Inst ID: vms03.i
Smp Info : 040408CCVA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:48 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				816488		(a)
M 2 Xylenes (Total)	100				2378872		(a)
M 3 Trihalomethanes (Total)	100				1501179		(a)
4 Dichlorodifluoromethane	85	1.383	1.389	(0.190)	309490	52.5602	52.6(T)
5 Chloromethane	50	1.590	1.573	(0.219)	342488	49.8126	49.8(T)
6 Vinyl Chloride	62	1.678	1.676	(0.231)	219151	51.4428	51.4
7 Bromomethane	96	2.089	2.075	(0.287)	178961	59.3085	59.3(TQ)
8 Chloroethane	64	2.179	2.160	(0.300)	202825	51.8821	51.9
9 Trichlorofluoromethane	101	2.401	2.403	(0.330)	438679	52.3163	52.3
113 Bromoethane	108	3.389	3.420	(0.466)	224542	51.5950	51.6
10 Acrolein	56	2.867	2.873	(0.394)	90799	95.4801	95.5
11 1,1,2 Trichlorotrifluoromethan	101	2.894	2.897	(0.398)	257950	52.2773	52.3
12 Acetone	43	2.947	2.945	(0.405)	143195	90.6955	90.7
13 1,1-Dichloroethene	61	3.100	3.097	(0.426)	514979	54.5433	54.5
109 t-Butyl-Alcohol	59	3.221	3.230	(0.443)	283613	623.831	624(Q)
14 Acetonitrile	41	3.287	3.291	(0.452)	324794	429.882	430
15 Iodomethane	142	3.507	3.496	(0.482)	366425	42.7879	42.8
16 Methyl Acetate	43	3.563	3.571	(0.490)	259961	44.8672	44.9
17 Allyl Chloride	41	3.583	3.582	(0.493)	460515	48.8159	48.8
18 Carbon Disulfide	76	3.726	3.724	(0.512)	787420	49.7838	49.8
19 Methylene Chloride	49	3.752	3.778	(0.516)	440521	44.0392	44.0
20 Acrylonitrile	53	3.972	3.981	(0.546)	235282	97.0462	97.0
21 Methyl-tert-butyl ether	73	4.018	4.020	(0.552)	793746	50.0800	50.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
22	trans 1,2-Dichloroethene	61	4.208	4.208	(0.579)	473875	50.7315	50.7
23	1,1-Dichloroethane	63	4.880	4.880	(0.671)	568287	50.5353	50.5
24	Vinyl Acetate	43	4.940	4.944	(0.679)	450293	49.7639	49.8
25	Chloroprene	53	5.013	5.012	(0.689)	480399	52.1192	52.1
26	2-Butanone	43	5.552	5.564	(0.763)	221309	88.2003	88.2
27	Propionitrile	54	5.653	5.662	(0.777)	416074	474.394	474
114	tert-Butyl ethyl ether	59	5.388	5.389	(0.741)	773978	38.4564	38.4
28	2,2-Dichloropropane	77	5.698	5.699	(0.783)	251239	58.8936	58.9
29	cis-1,2-Dichloroethene	96	5.765	5.765	(0.793)	342613	52.9135	52.9
30	Methyacrylonitrile	67	5.917	5.922	(0.814)	1154427	505.566	506
31	Isobutyl Alcohol	43	5.985	5.995	(0.823)	186208	823.237	823(Q)
32	Chloroform	83	5.980	5.979	(0.822)	585306	52.7828	52.8
33	Bromochloromethane	49	6.184	6.184	(0.850)	282769	46.9966	47.0
$ 34	DIBROMOFLUOROMETHANE (surr)	113	6.265	6.264	(0.861)	272303	50.0013	50.0
35	1,1,1-Trichloroethane	97	6.489	6.487	(0.892)	423088	58.3619	58.4
36	Cyclohexane	56	6.488	6.489	(0.892)	503775	46.9388	46.9
37	1,1-Dichloropropene	75	6.688	6.685	(0.919)	423831	52.2793	52.3
38	Carbon tetrachloride	117	6.793	6.789	(0.934)	380774	56.9828	57.0
$ 39	1,2-DICHLOROETHANE d4 (surr)	102	6.893	6.891	(0.948)	64187	50.4859	50.5(Q)
40	1,2-Dichloroethane	62	7.005	7.006	(0.963)	433503	52.0677	52.1
41	Benzene	78	7.004	7.001	(0.963)	1235537	49.3616	49.4
115	tert-Amyl-methyl ether	73	6.867	6.869	(0.944)	637837	41.0853	41.1
* 42	FLUOROBENZENE (IS)	96	7.273	7.273	(1.000)	1073388	50.0000	
43	Trichloroethylene	130	7.725	7.722	(1.062)	292349	51.7753	51.8
44	Methyl Cyclohexane	55	7.781	7.781	(1.070)	391235	48.6498	48.6
45	1,2-Dichloropropane	63	7.927	7.927	(1.090)	328628	46.9718	47.0
46	Methyl Methacrylate	69	8.032	8.036	(1.104)	192290	50.9570	51.0
47	Bromodichloromethane	83	8.181	8.180	(1.125)	435645	54.0268	54.0
48	1,4 Dioxane	88	8.229	8.238	(1.131)	54271	1021.28	1020(Q)
49	Dibromomethane	93	8.232	8.232	(1.132)	183696	51.6240	51.6
50	4-Methyl-2-Pentanone	43	8.579	8.583	(0.660)	517113	89.2105	89.2
51	2-Hexanone	43	9.492	9.499	(0.897)	375370	94.7841	94.8
52	cis 1,3-Dichloropropene	75	8.781	8.781	(1.207)	444781	54.4214	54.4
$ 53	TOLUENE d8 (surr)	98	9.025	9.025	(1.241)	1060495	49.1828	49.2
54	Toluene	92	9.107	9.107	(1.252)	771424	50.1758	50.2
55	trans 1,3-Dichloropropene	75	9.312	9.313	(1.280)	401979	58.3993	58.4
56	Ethyl Methacrylate	69	9.318	9.321	(1.281)	385604	54.1124	54.1
57	1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	257655	49.4975	49.5
58	1,3-Dichloropropane	76	9.730	9.729	(0.920)	468798	50.3357	50.3
59	Tetrachloroethylene	164	9.780	9.780	(0.924)	225371	53.9776	54.0
60	Dibromochloromethane	129	9.988	9.987	(0.944)	303751	56.2535	56.2
61	1,2-Dibromoethane	107	10.191	10.192	(0.963)	275751	53.1440	53.1
62	1-Chlorohexane	91	10.371	10.373	(0.980)	408064	53.9467	53.9
* 63	CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	763787	50.0000	
64	Chlorobenzene	112	10.618	10.620	(1.004)	812026	49.8543	49.8
65	1,1,1,2-Tetrachloroethane	131	10.665	10.667	(1.008)	283730	56.1100	56.1(q)
66	Ethylbenzene	106	10.676	10.672	(1.009)	455167	51.0654	51.1
67	p,m-Xylene	106	10.753	10.753	(1.016)	1167545	105.125	105
68	o-Xylene	91	11.193	11.190	(1.058)	1211327	52.6752	52.7
69	Styrene	104	11.230	11.230	(1.061)	1024780	52.8232	52.8
70	Bromoform	173	11.566	11.569	(1.093)	176477	57.2352	57.2
71	1-Methylethylbenzene	105	11.556	11.555	(0.889)	1463911	50.4098	50.4
72	1,4-Dichloro-2-Butene	53	11.607	11.609	(0.893)	77551	61.0898	61.1(q)
73	1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	345665	46.0423	46.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	446012	46.8420	46.8
	75 1,2,3- trichloropropane	110	11.878	11.879	(0.914)	112902	50.4678	50.5
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	1761638	49.0765	49.1
	77 Bromobenzene	77	11.998	11.998	(0.923)	638549	46.3309	46.3
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	1323470	51.3123	51.3
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	1301171	49.7904	49.8
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	1230237	49.2930	49.3
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1171461	51.7917	51.8
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	1379237	50.5621	50.6
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	1502343	49.9982	50.0
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	1309160	51.5581	51.6
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	722753	50.1610	50.2
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	445198	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	729707	49.3695	49.4
	88 Benzyl Chloride	91	13.148	13.150	(1.012)	595334	59.5198	59.5
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	1173454	50.5362	50.5
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	686454	49.4610	49.5
	91 1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	60939	51.1644	51.2
	92 1,2,4-Trichlorobenzene	180	14.856	14.853	(1.143)	421519	51.5507	51.6
	93 Hexachlorobutadiene	223	14.954	14.950	(1.151)	99873	52.1550	52.2
	94 Naphthalene	128	15.036	15.032	(1.157)	1023751	52.6998	52.7
	95 1,2,3-trichlorobenzene	180	15.201	15.196	(1.169)	369585	49.9678	50.0
	103 Isopropyl Ether	45	4.770	4.771	(0.656)	1034956	46.1442	46.1
	104 Ethyl acetate	43	5.816	5.824	(0.800)	465925	94.4288	94.4(q)
	105 Cyclohexanone	55	11.616	11.616	(1.098)	99899	212.542	212
	106 Ethyl ether	59	2.714	2.719	(0.373)	251415	50.5898	50.6(Q)
	107 2-Nitropropane	43	8.280	8.279	(1.138)	143166	111.253	111
	108 Tetrahydrofuran	42	6.250	6.264	(0.859)	143982	82.8762	82.9

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

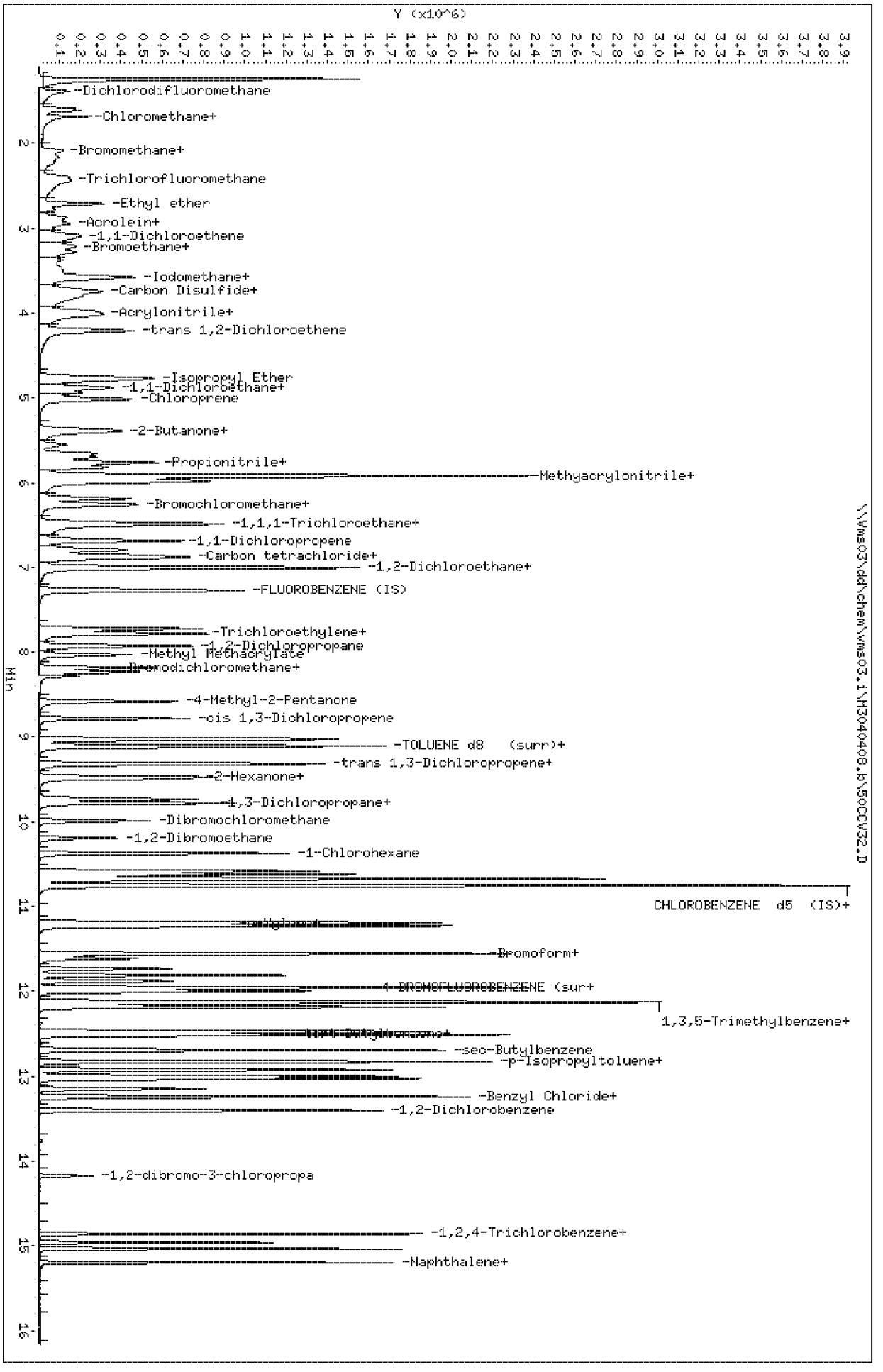
Instrument ID: vms03.i
Lab File ID: 50CCV32.D
Lab Smp Id: 040408CCVA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 040408CCVA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1073388	-7.95
63 CHLOROBENZENE d5	822247	411124	1644494	763787	-7.11
86 1,4-DICHLOROBENZE	457500	228750	915000	445198	-2.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.04
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\Vms03\dd\chem\vms03.i\M3040409.b\50CCV32.D
Date : 04-APR-2008 06:42
Client ID: 040408CVA32
Sample Info: 040408CVA32
Purge Volume: 5.0
Column phase: DB-624
Instrument: vms03.i
Operator:
Column diameter: 0.18
\\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Ethyl ether
-Acrolein+
-1,1-Dichloroethene
-Bromoethane+
-Iodomethane+
-Carbon Disulfide+
-Acrylonitrile+
-trans 1,2-Dichloroethene
-Isopropyl Ether
-1,1-Dichloroethane+
-Chloroprene
-2-Butanone+
-Propionitrile+
-Methyacrylonitrile+
-Bromochloromethane+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene
-Carbon tetrachloride+
-1,2-Dichloroethane+
-FLUOROBENZENE (IS)
-Trichloroethylene+
-1,2-Dichloropropane
-Methyl Methacrylate
Bromodichloromethane+
-4-Methyl-2-Pentanone
-cis 1,3-Dichloropropene
-TOLUENE d8 (surr)+
-trans 1,3-Dichloropropene+
-2-Hexanone+
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-1-Chlorohexane
CHLOROBENZENE d5 (IS)+
Bromoform+
4-BROMOFLUOROBENZENE (sur+
1,3,5-Trimethylbenzene+
-sec-Butylbenzene
-p-Isopropyltoluene+
-Benzyl Chloride+
-1,2-Dichlorobenzene
-1,2-dibromo-3-chloropropa
-1,2,4-Trichlorobenzene+
-Naphthalene+

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

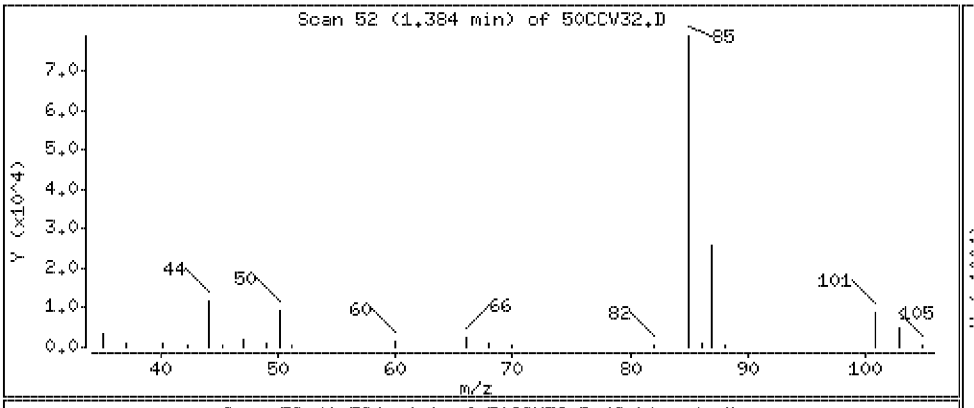
Operator:

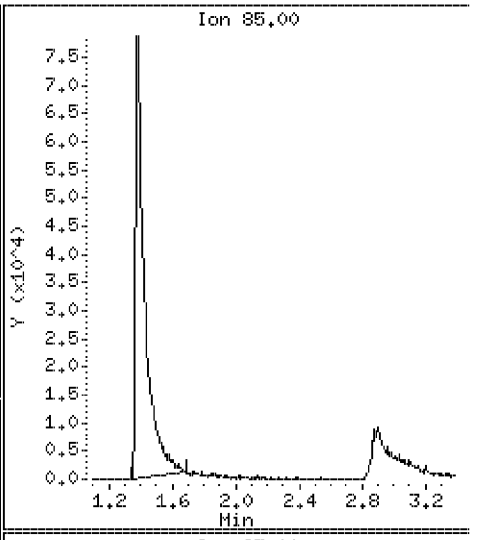
Column phase: DB-624

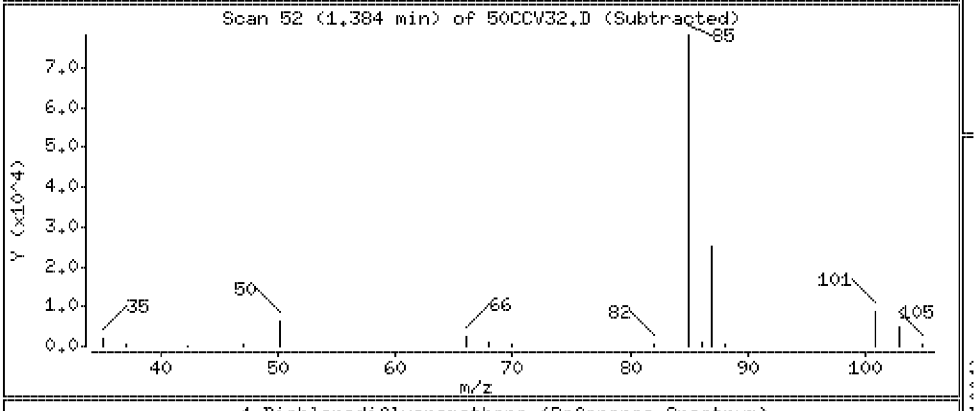
Column diameter: 0.18

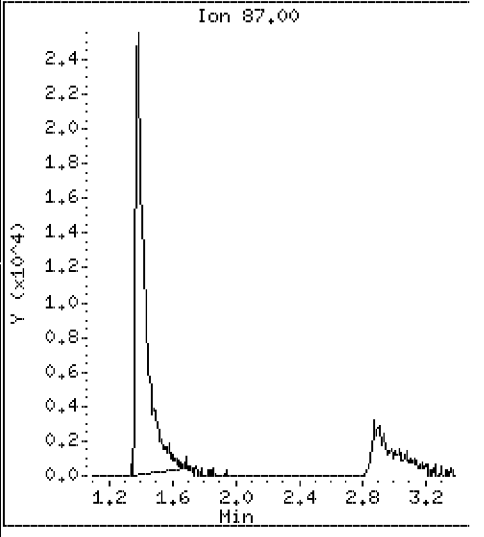
4 Dichlorodifluoromethane

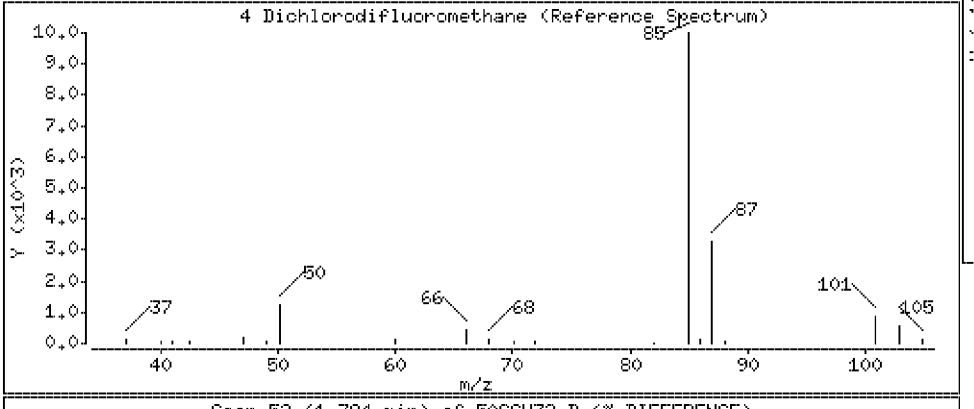
Concentration: 52.6 ug/l

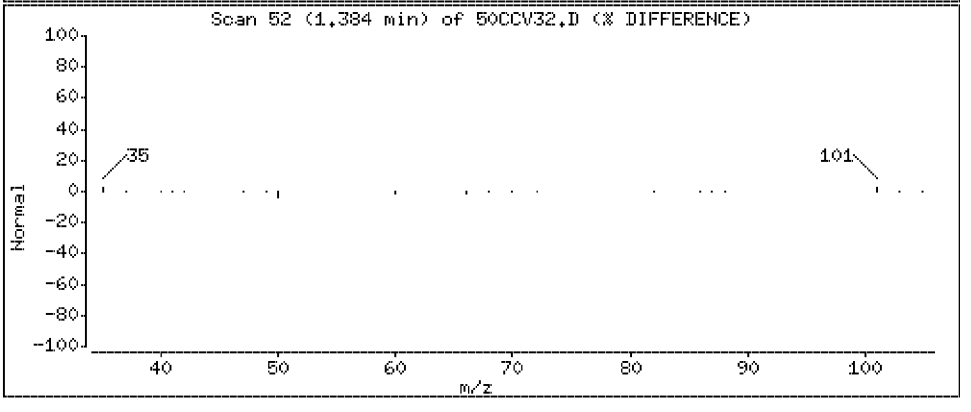












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

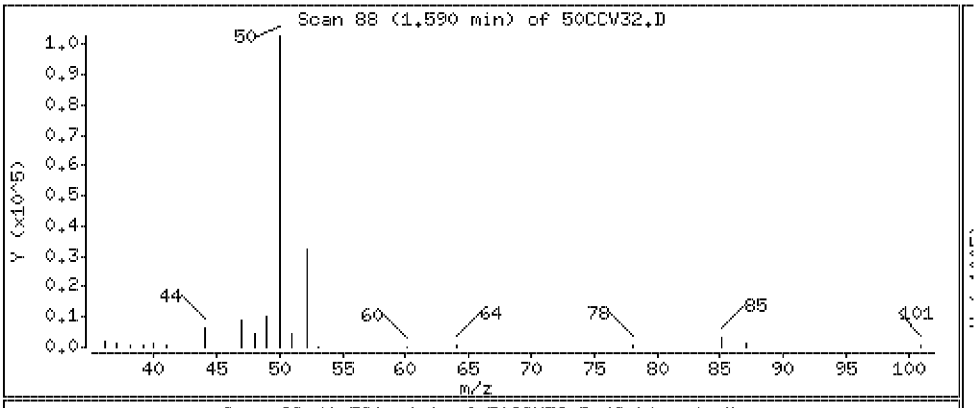
Operator:

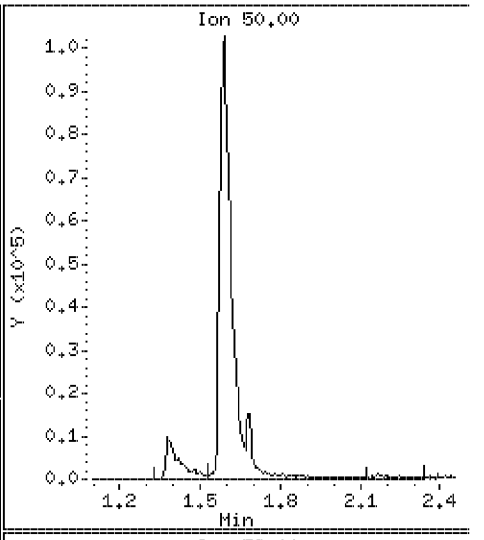
Column phase: DB-624

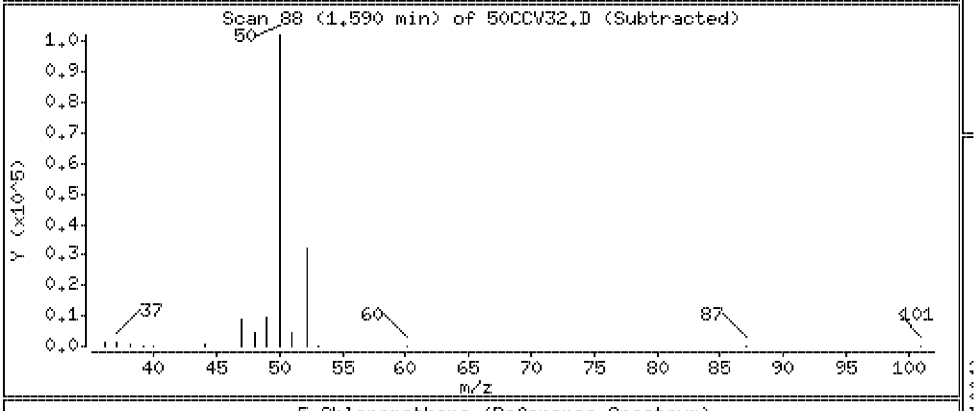
Column diameter: 0.18

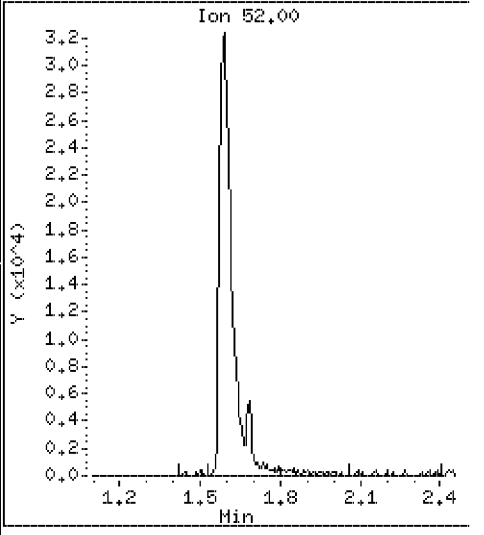
5 Chloromethane

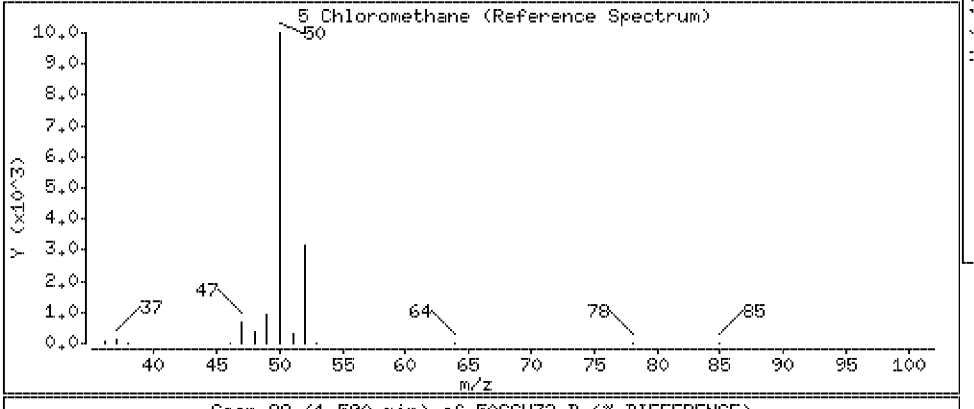
Concentration: 49.8 ug/l

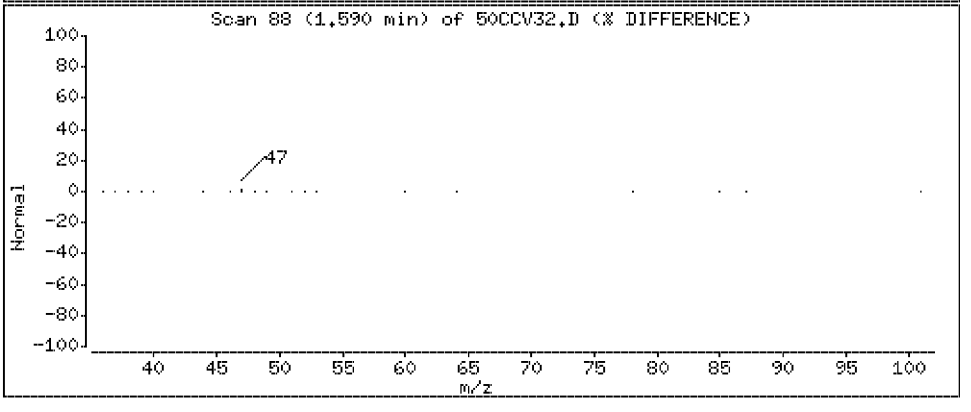












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

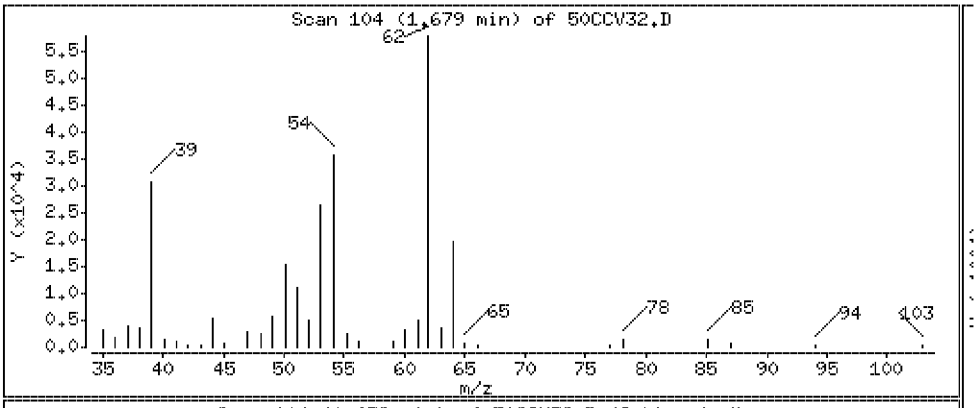
Operator:

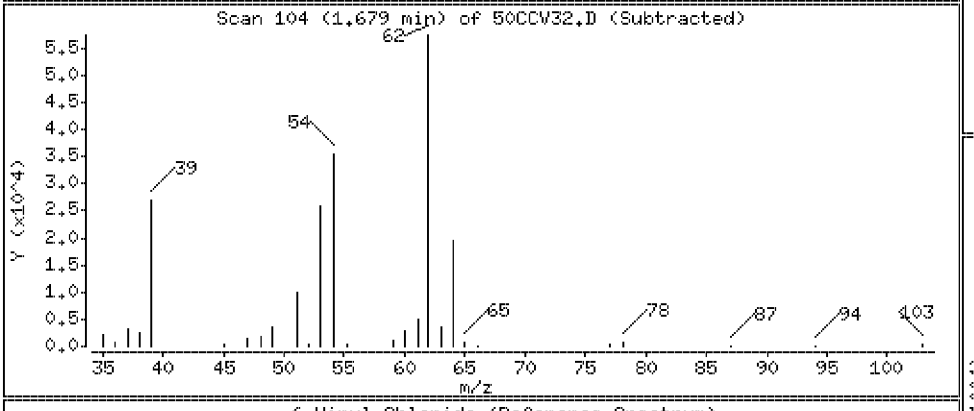
Column phase: DB-624

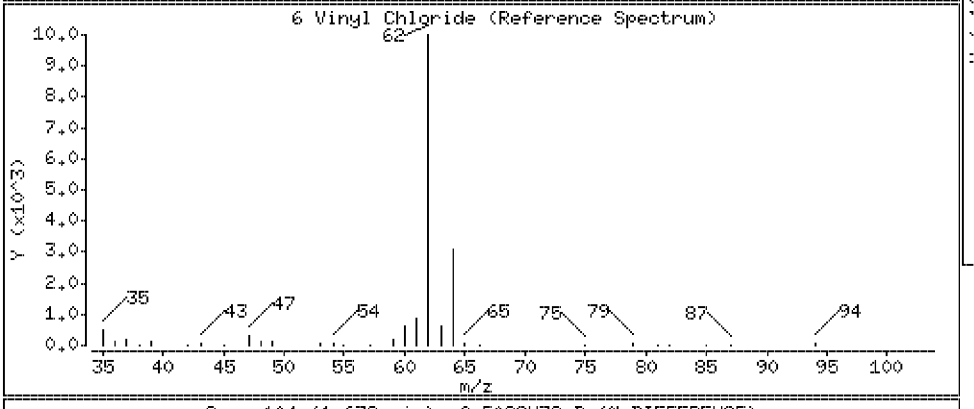
Column diameter: 0.18

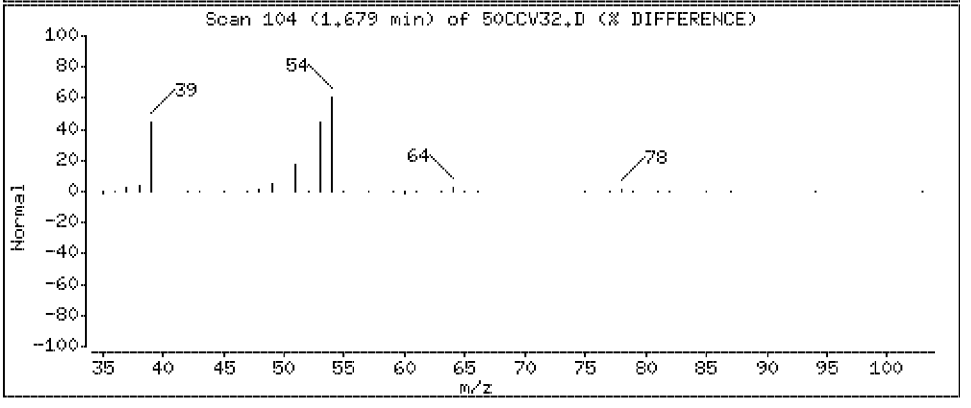
6 Vinyl Chloride

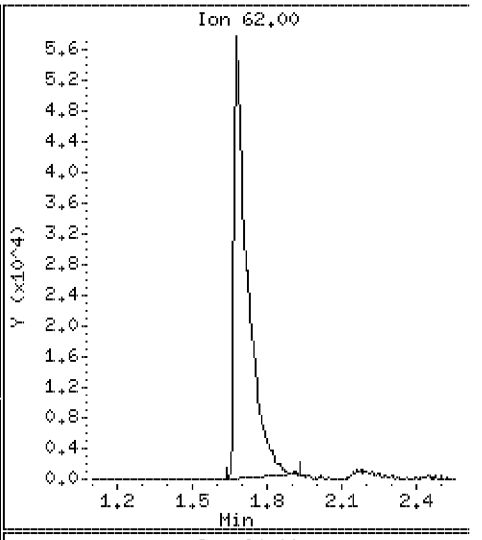
Concentration: 51.4 ug/l

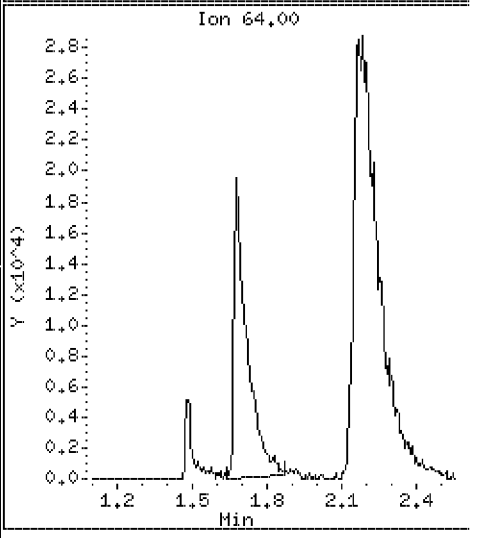












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

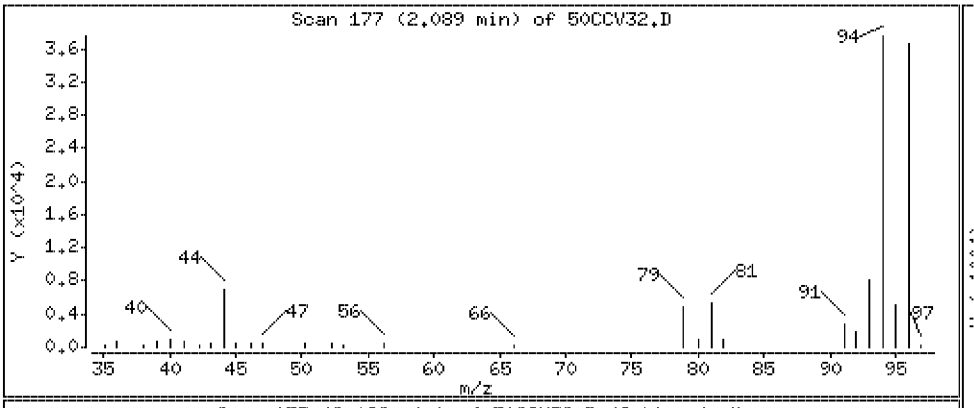
Operator:

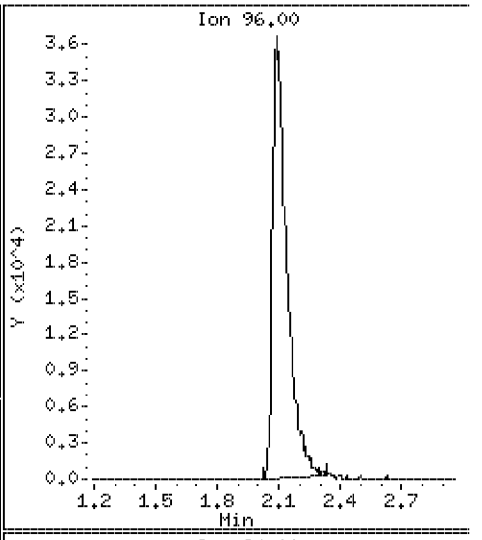
Column phase: DB-624

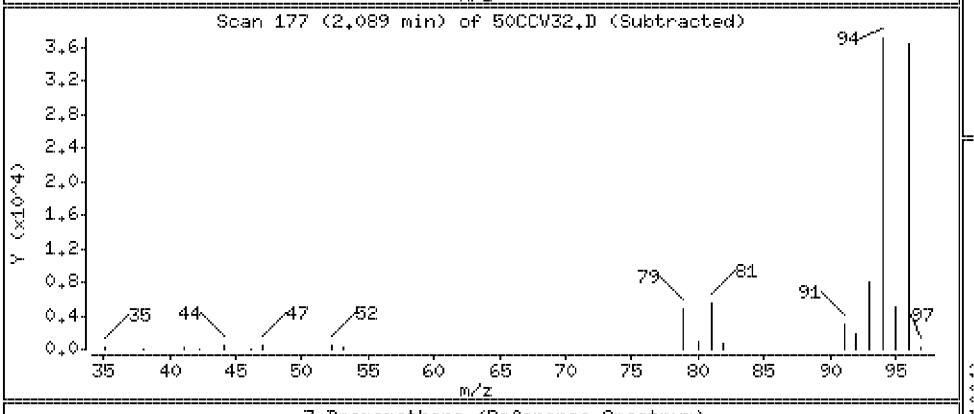
Column diameter: 0.18

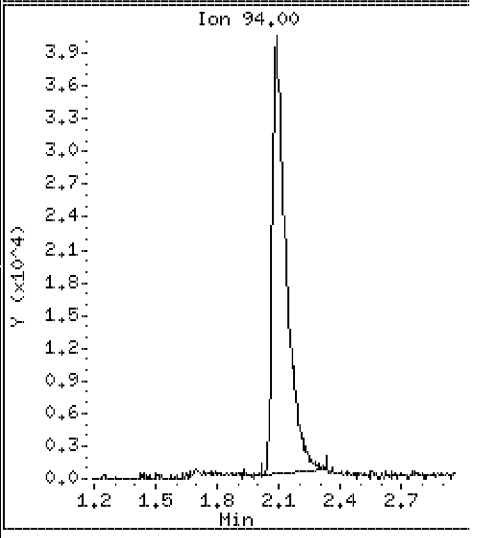
7 Bromomethane

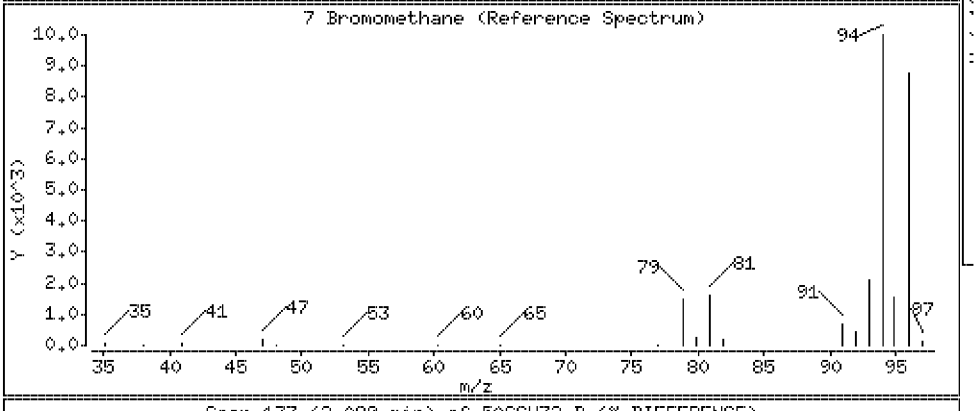
Concentration: 59.3 ug/l

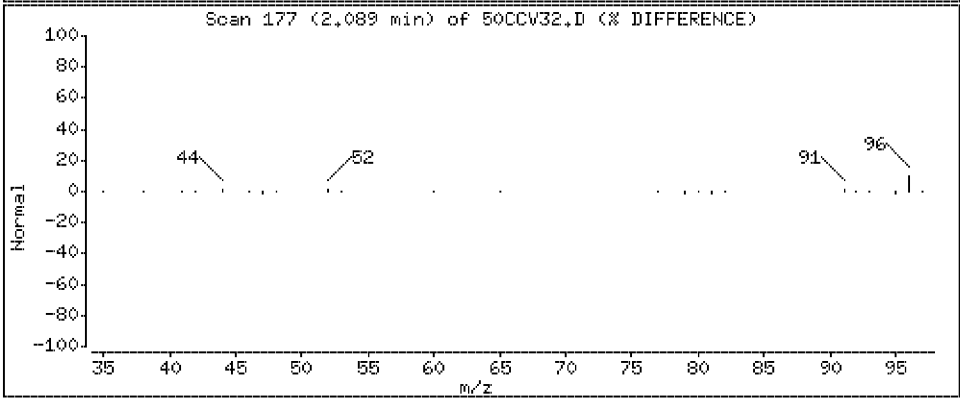












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

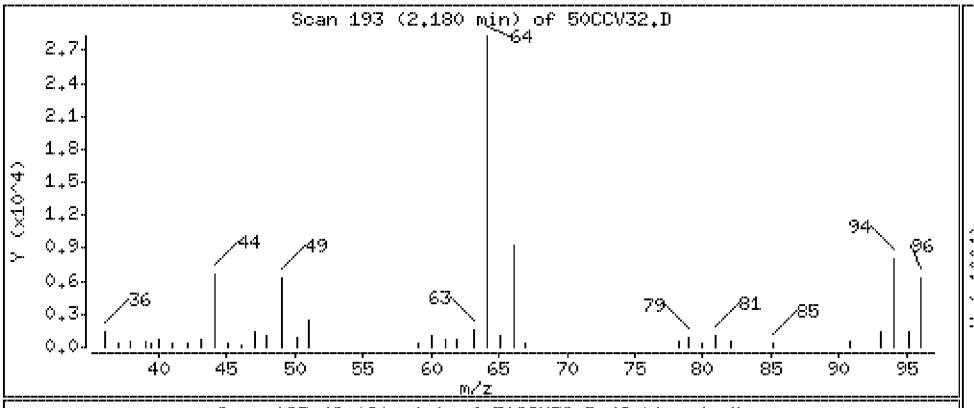
Operator:

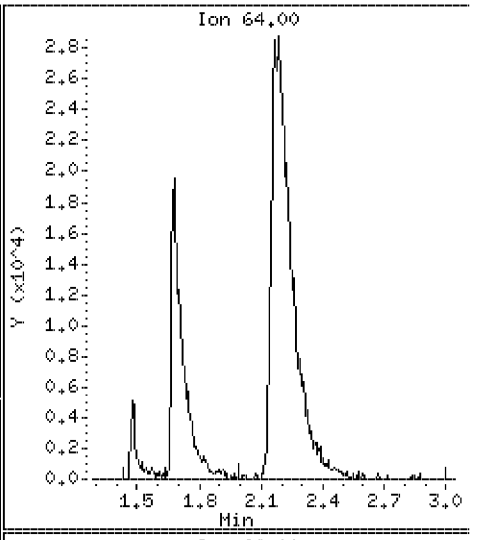
Column phase: DB-624

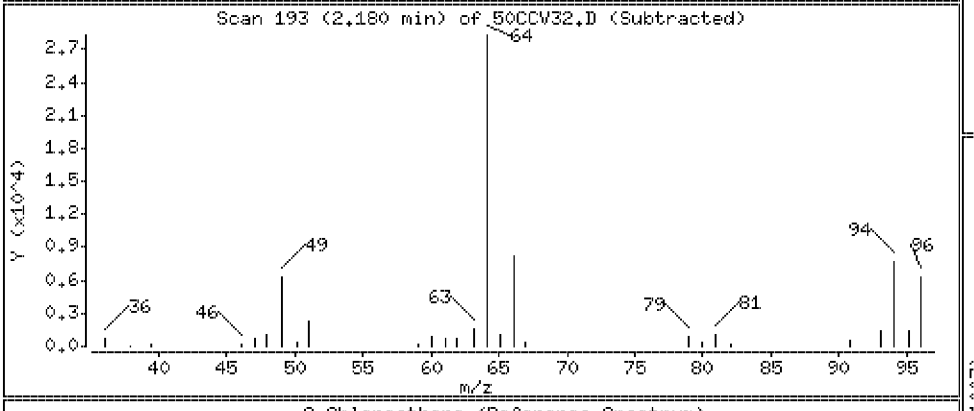
Column diameter: 0.18

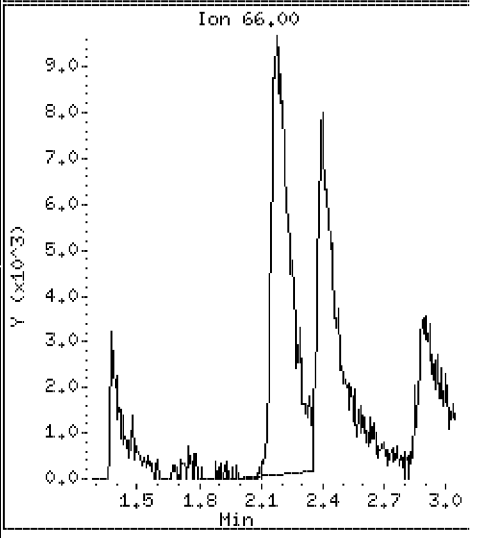
8 Chloroethane

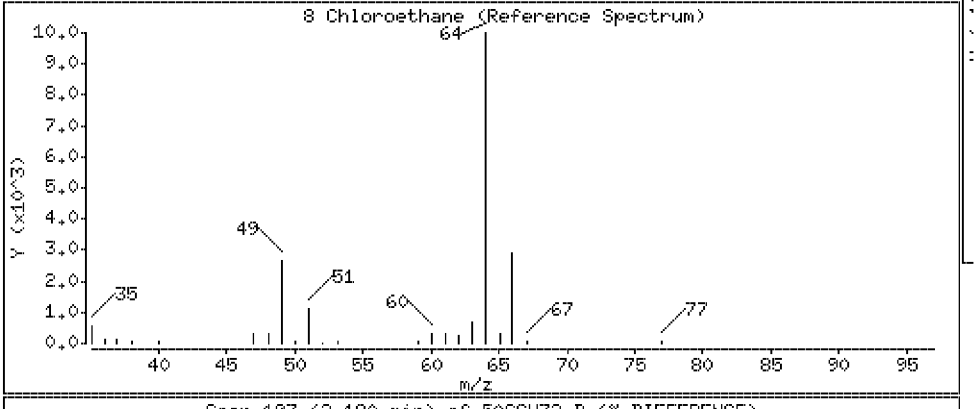
Concentration: 51.9 ug/l

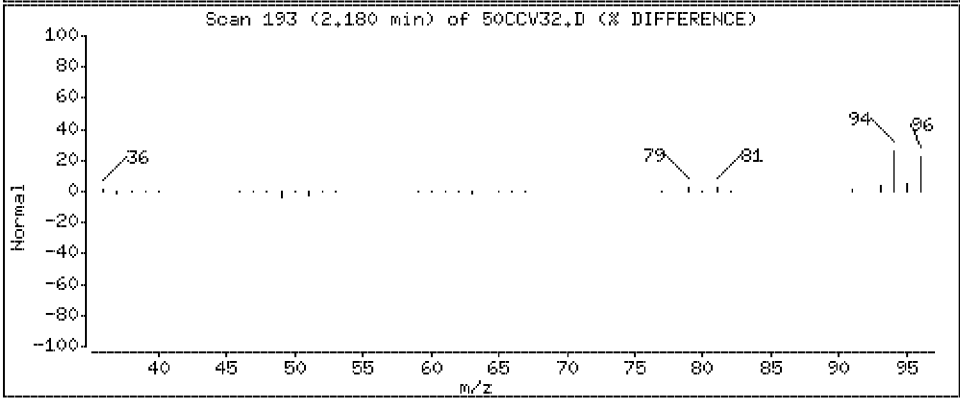












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

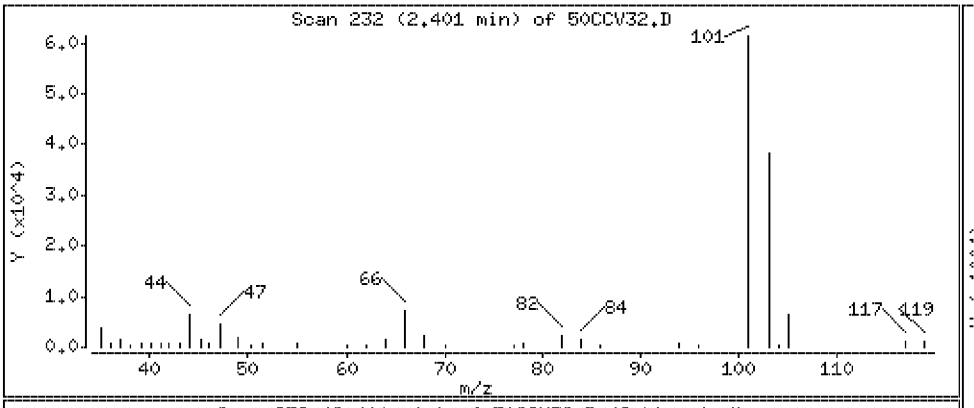
Operator:

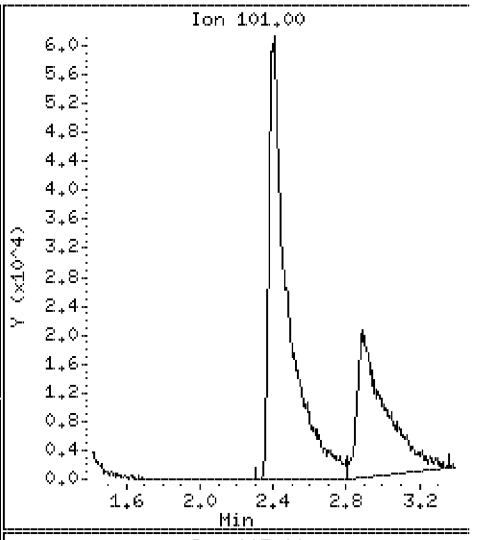
Column phase: DB-624

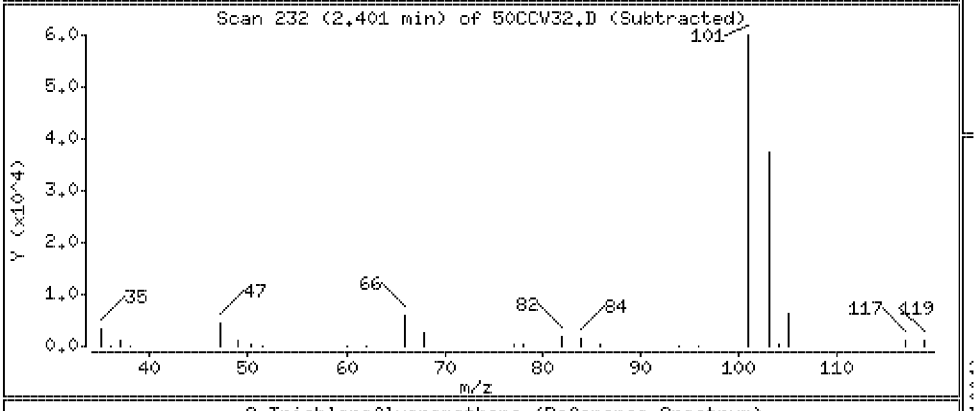
Column diameter: 0.18

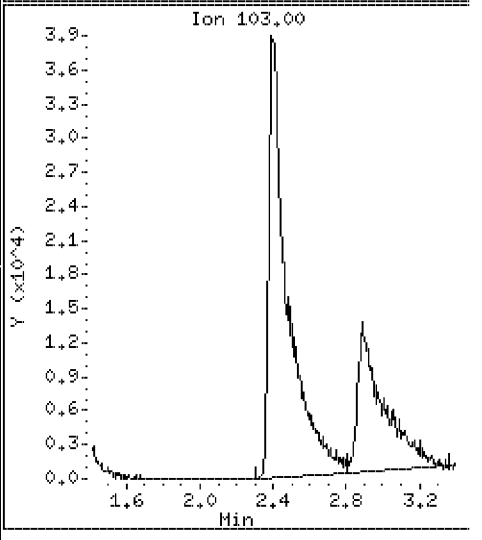
9 Trichlorofluoromethane

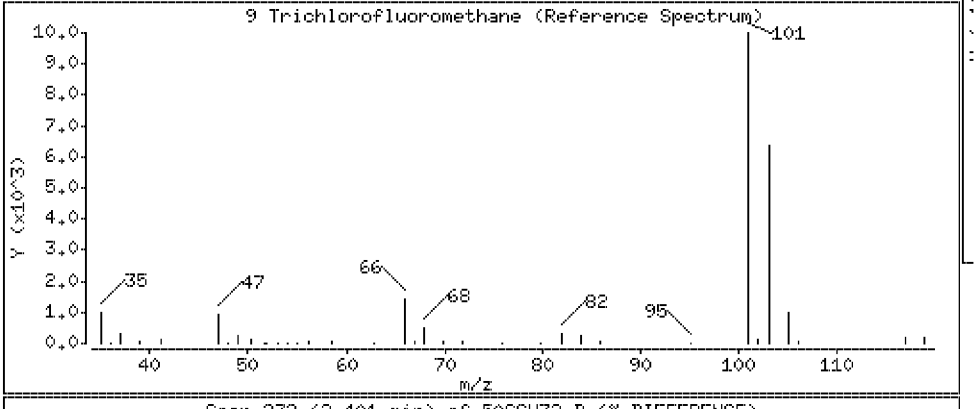
Concentration: 52.3 ug/l

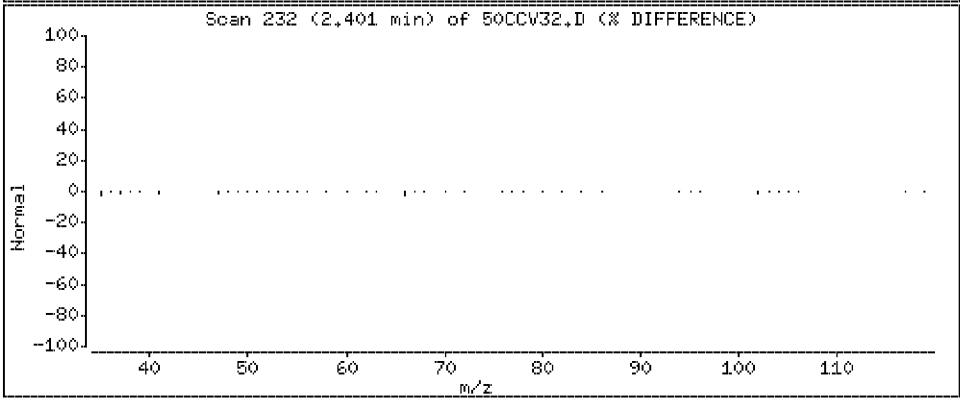












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

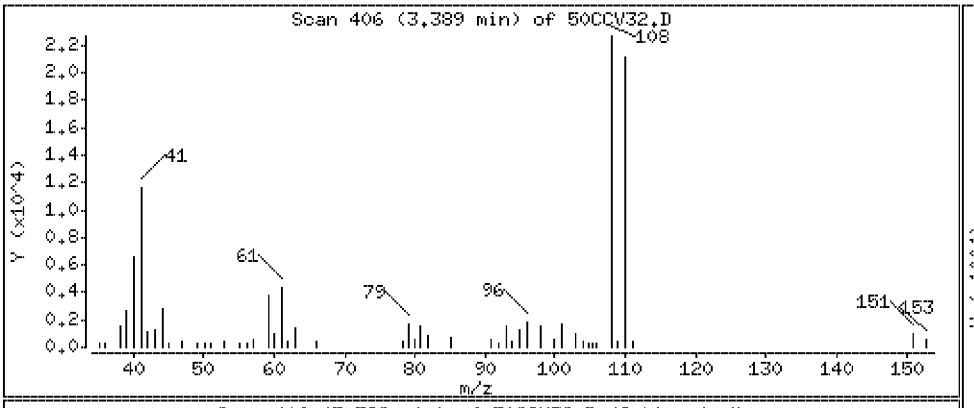
Operator:

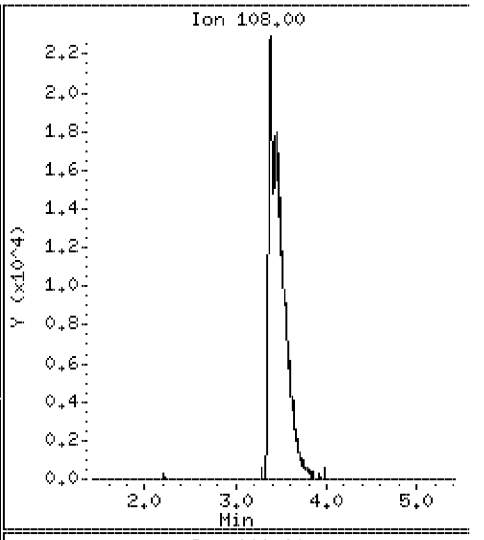
Column phase: DB-624

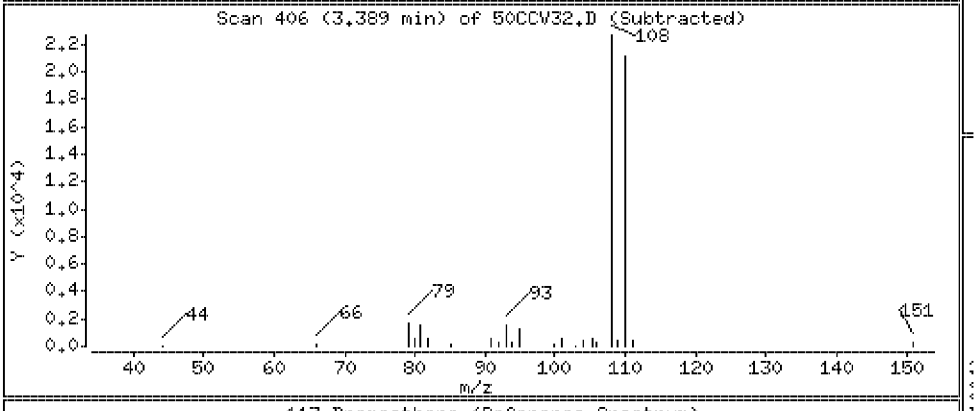
Column diameter: 0.18

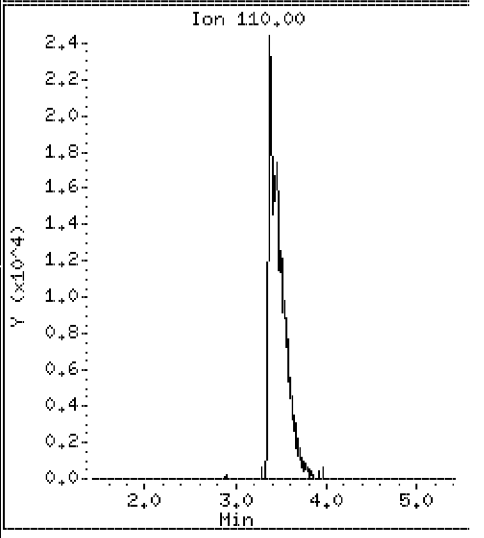
113 Bromoethane

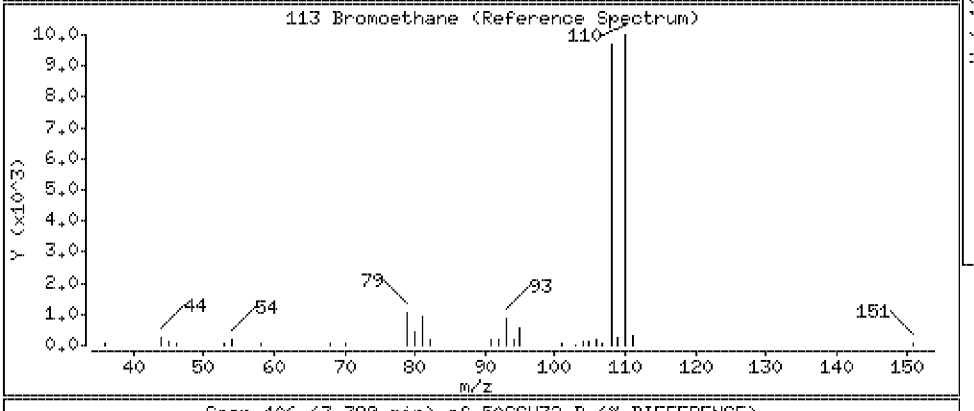
Concentration: 51.6 ug/l

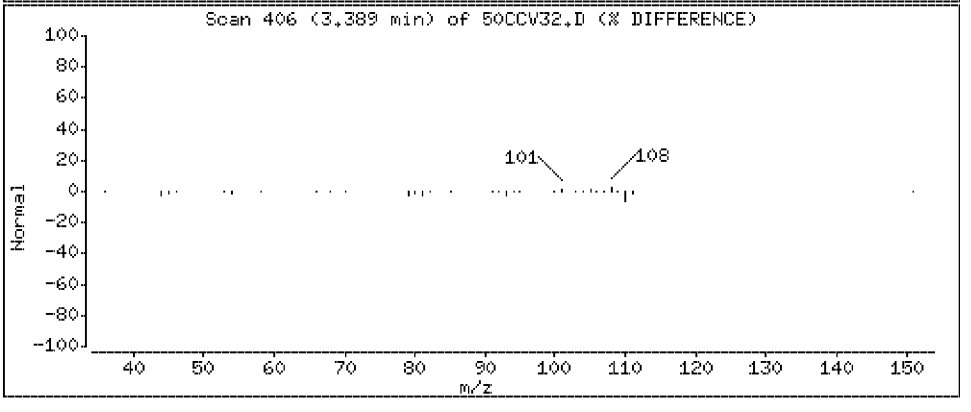












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

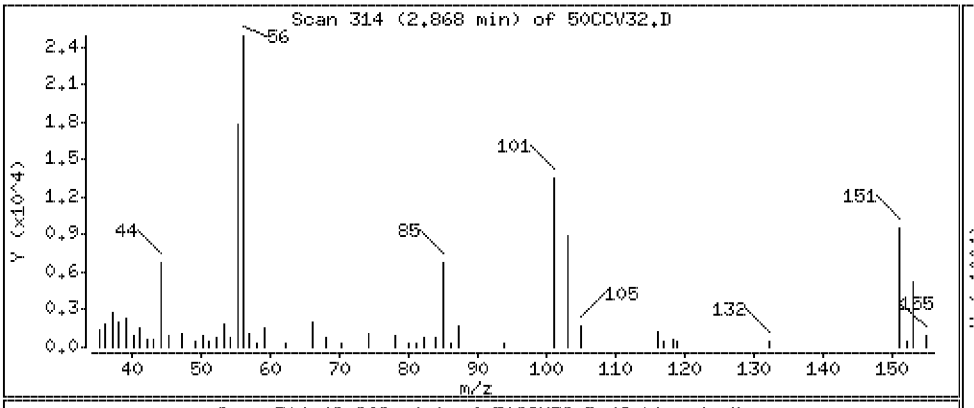
Operator:

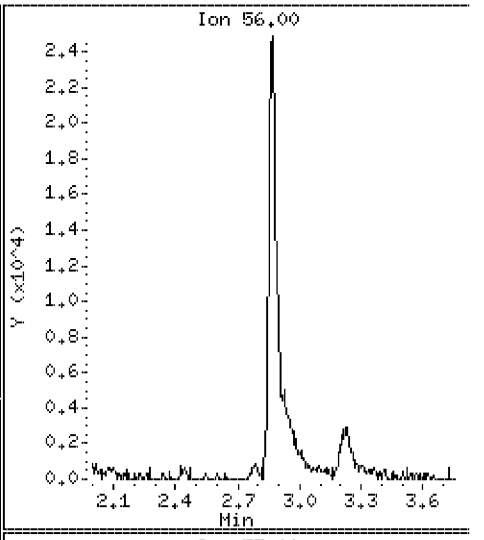
Column phase: DB-624

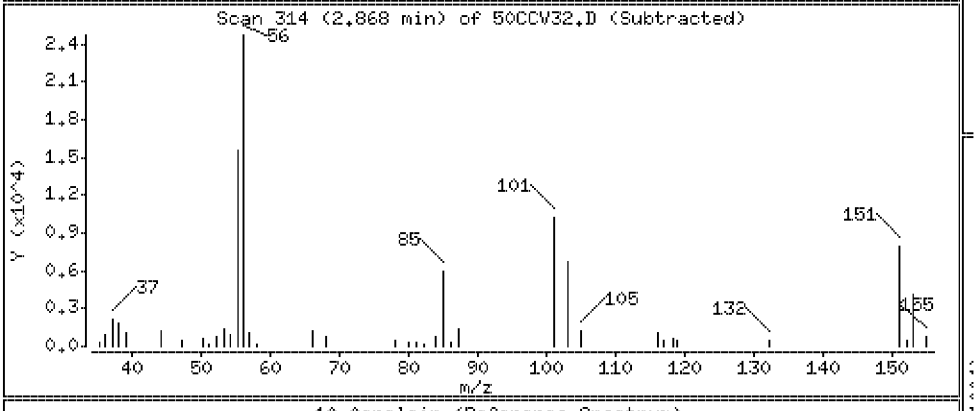
Column diameter: 0.18

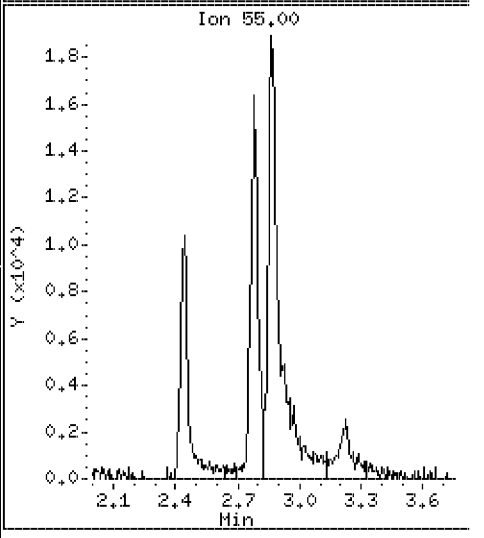
10 Acrolein

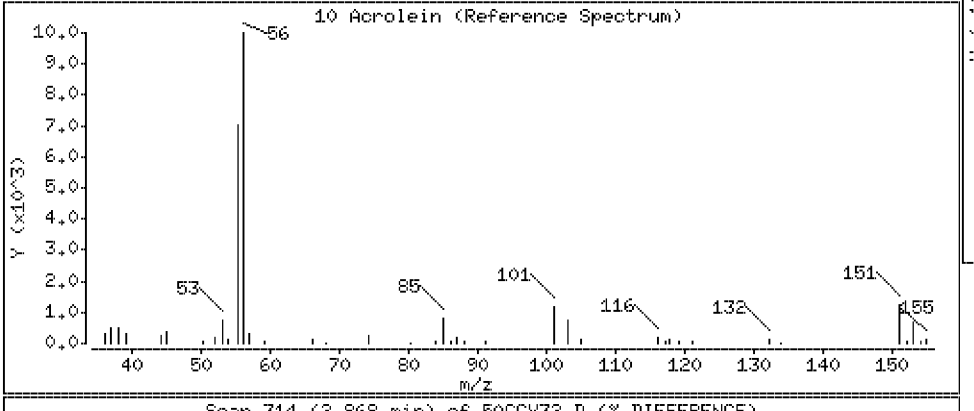
Concentration: 95.5 ug/l

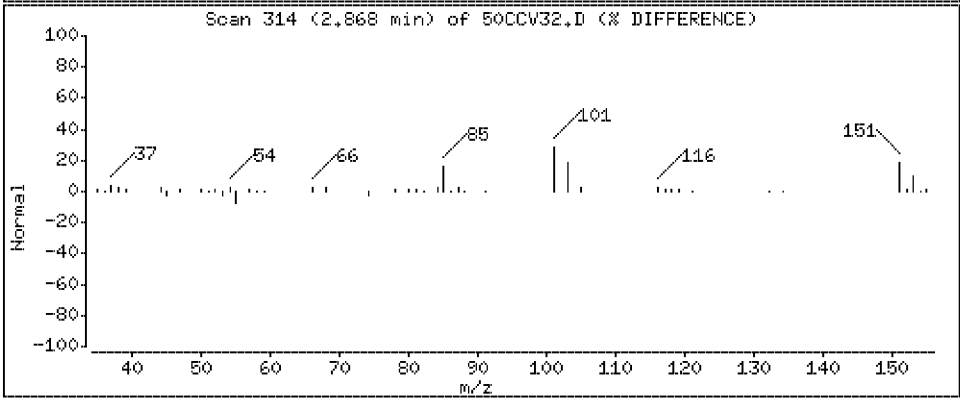












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

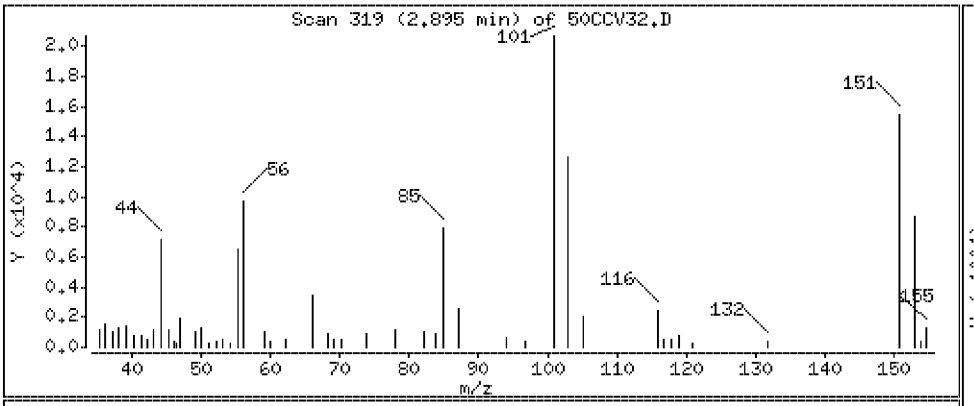
Operator:

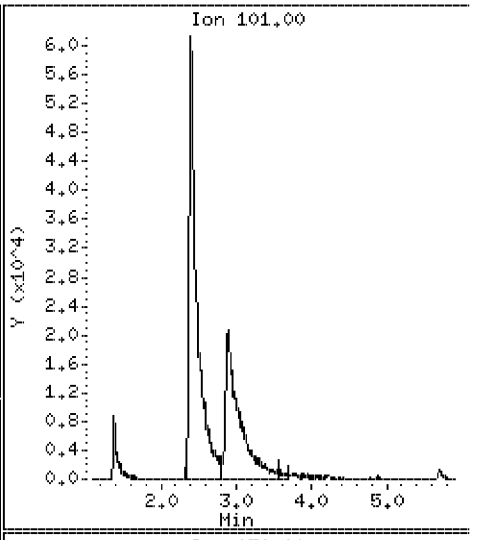
Column phase: DB-624

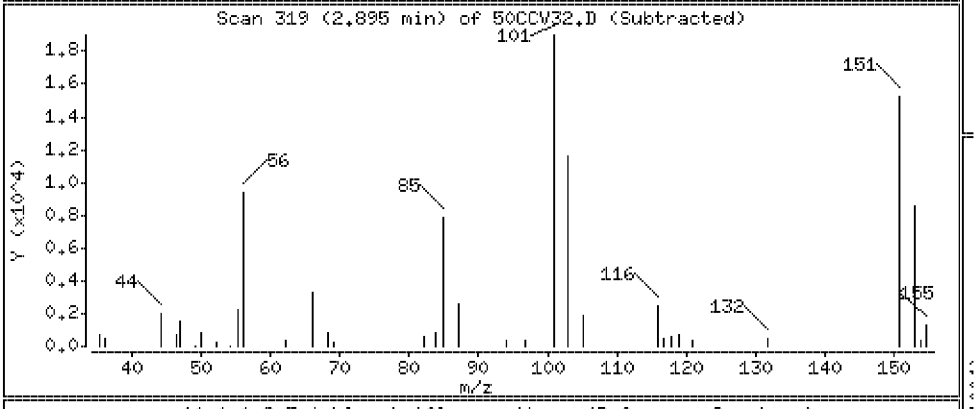
Column diameter: 0.18

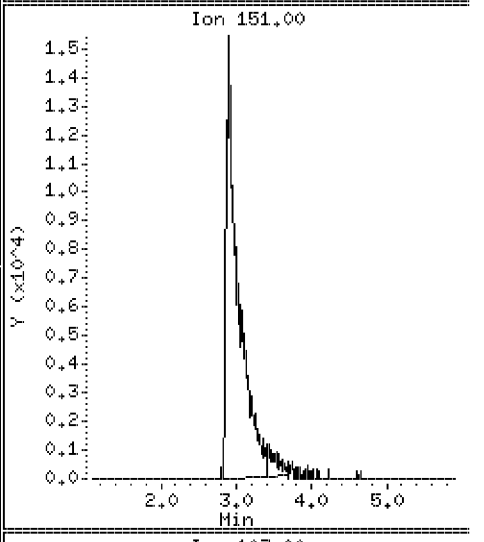
11 1,1,2 Trichlorotrifluoromethane

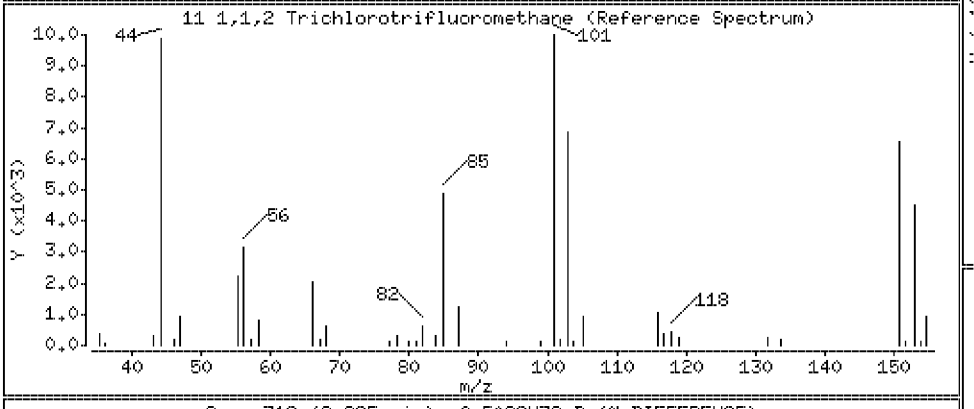
Concentration: 52.3 ug/l

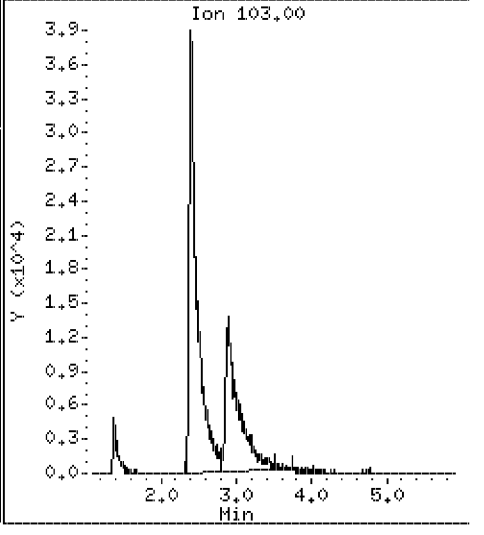


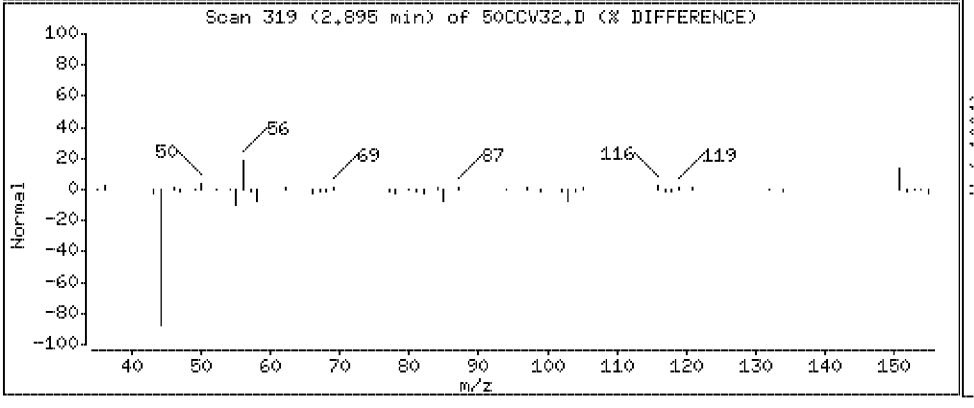












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

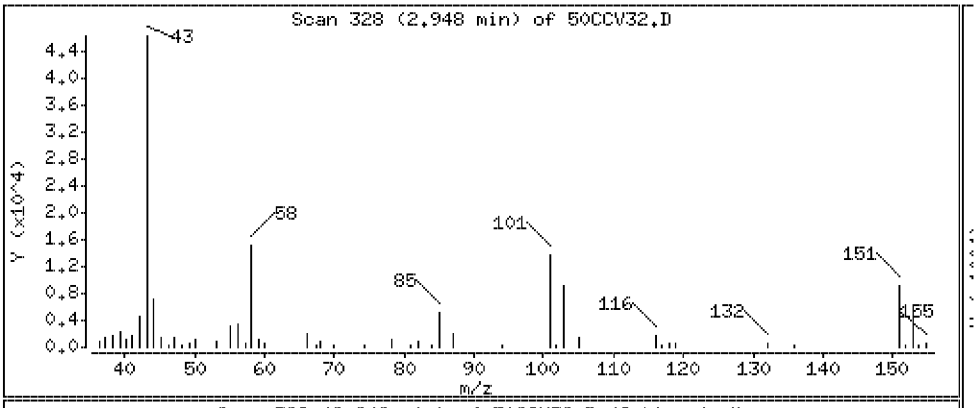
Client ID: 040408CCVA32 Instrument: vms03.i

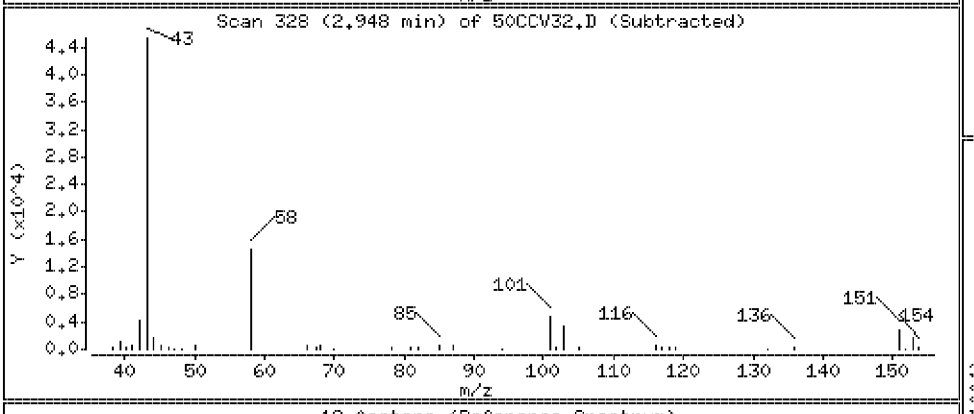
Sample Info: 040408CCVA32

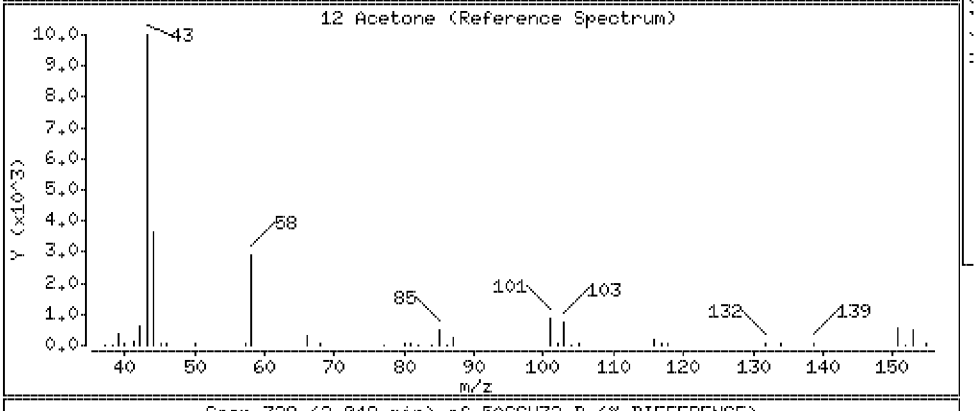
Purge Volume: 5.0 Operator:

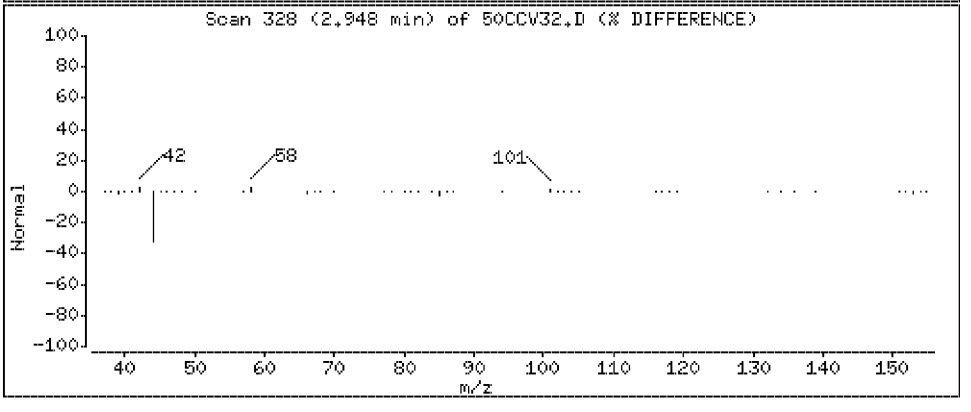
Column phase: DB-624 Column diameter: 0.18

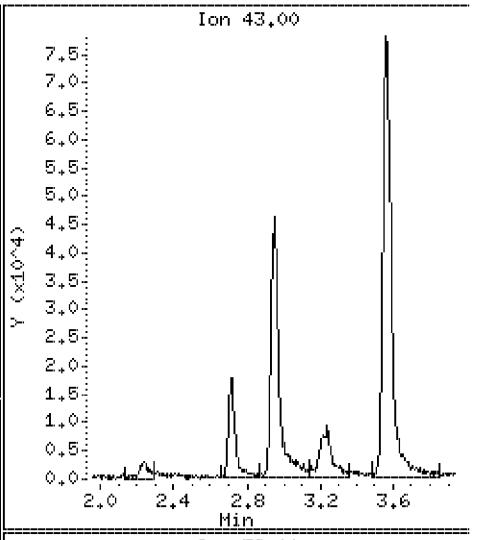
12 Acetone Concentration: 90.7 ug/l

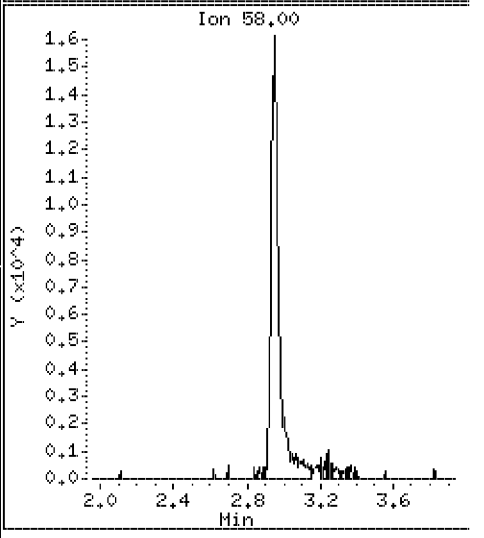












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

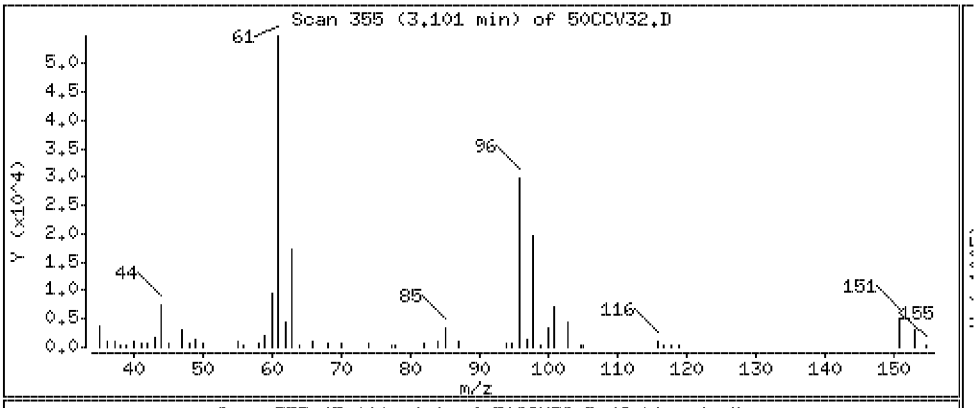
Operator:

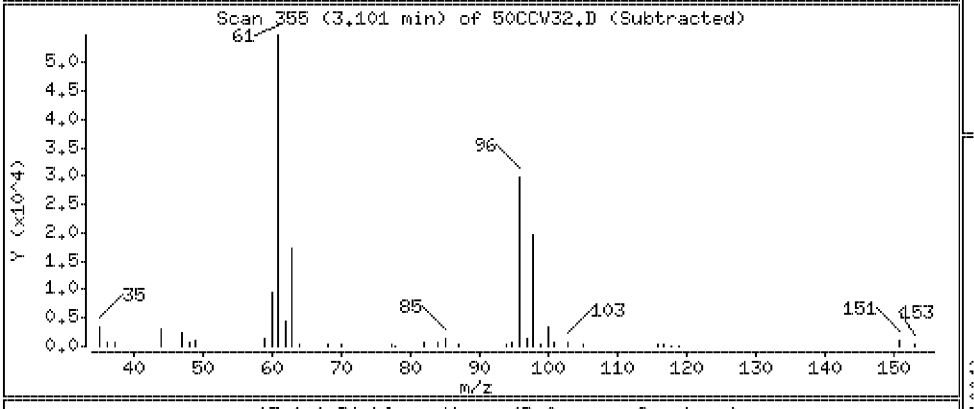
Column phase: DB-624

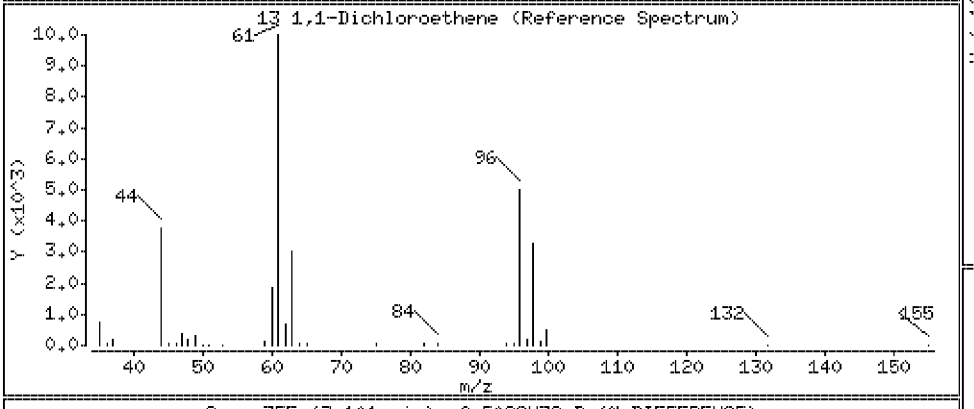
Column diameter: 0.18

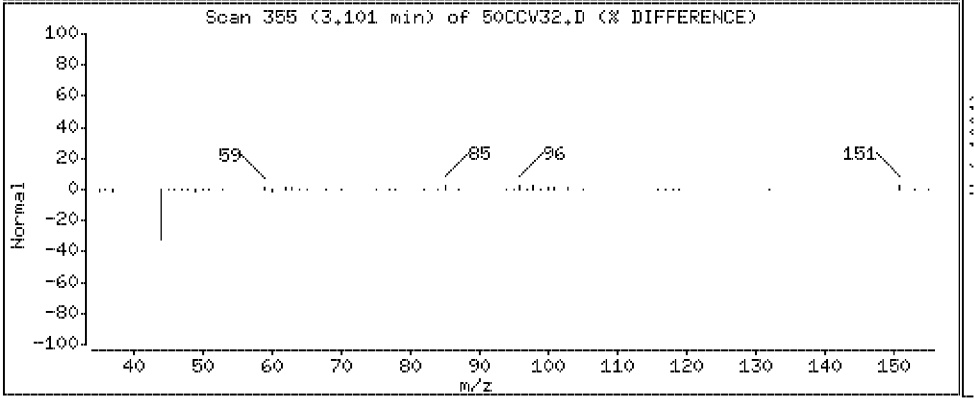
13 1,1-Dichloroethene

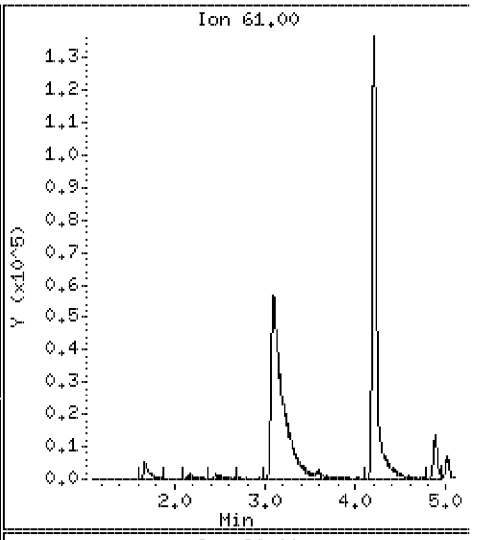
Concentration: 54.5 ug/l

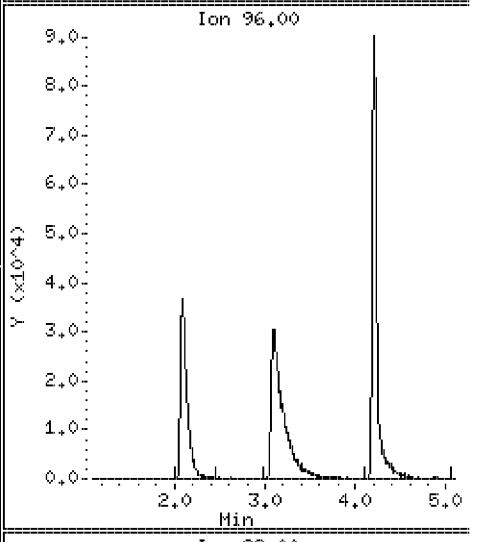


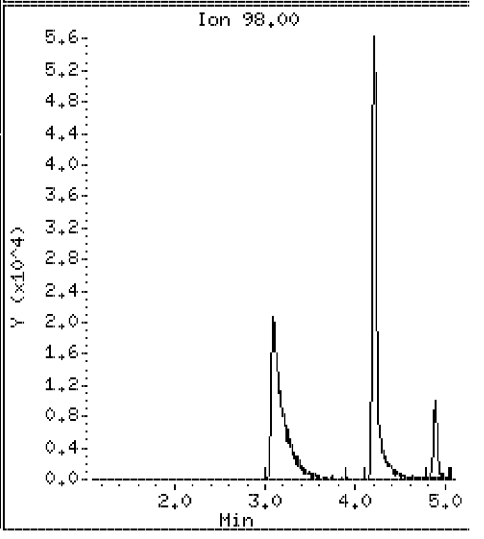












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

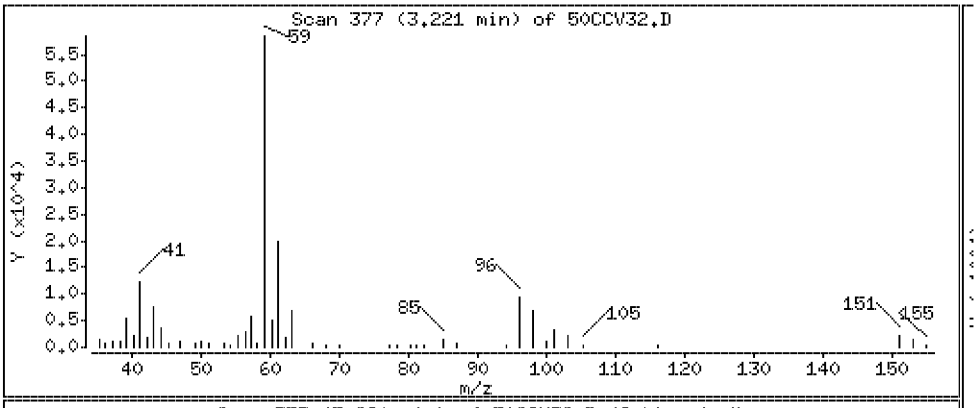
Operator:

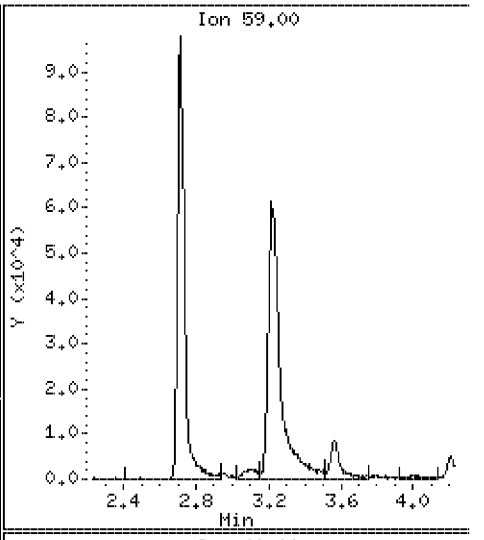
Column phase: DB-624

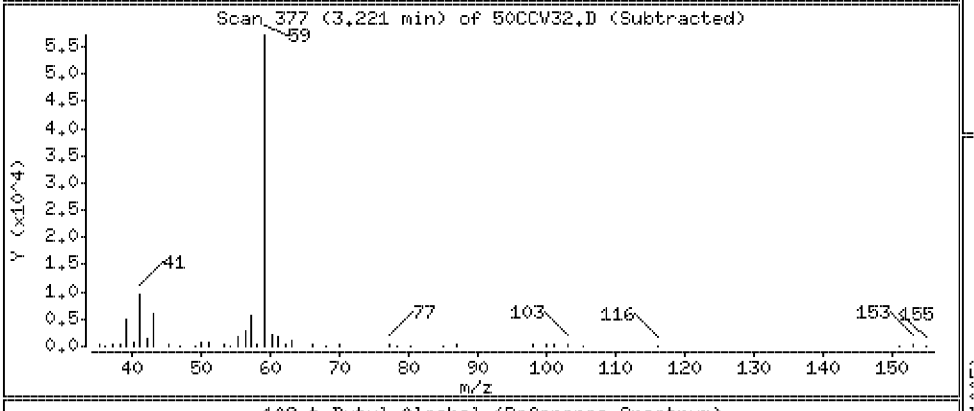
Column diameter: 0.18

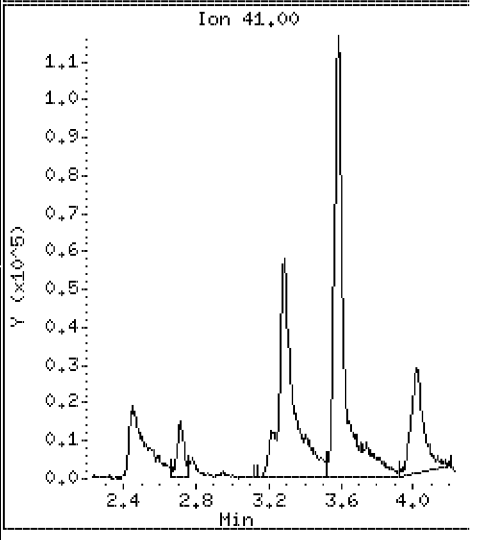
109 t-Butyl-Alcohol

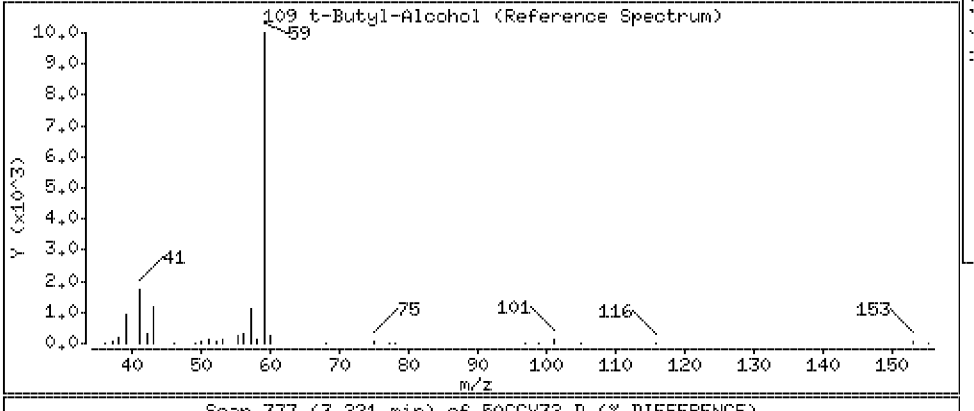
Concentration: 624 ug/l

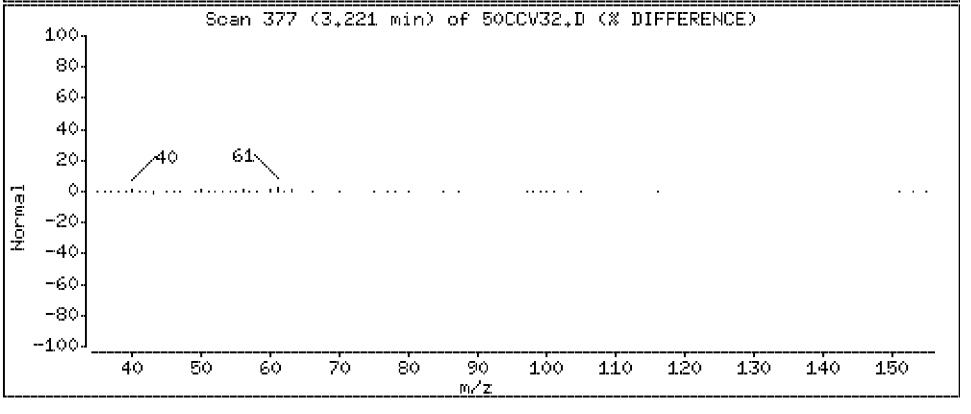












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

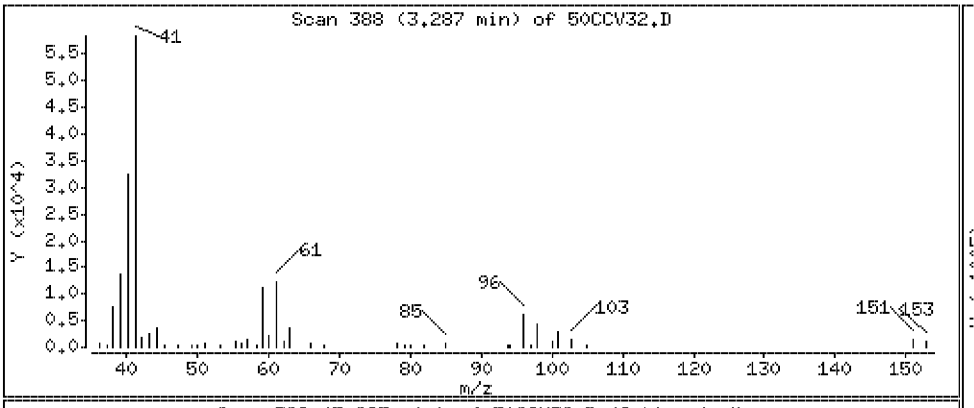
Operator:

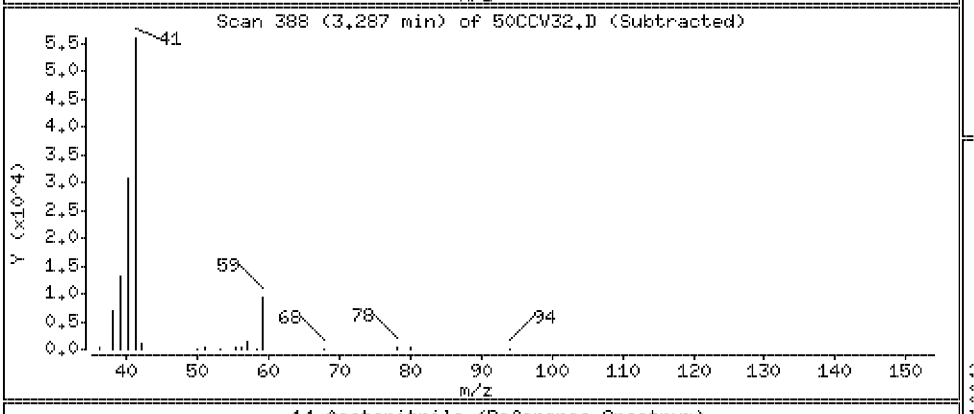
Column phase: DB-624

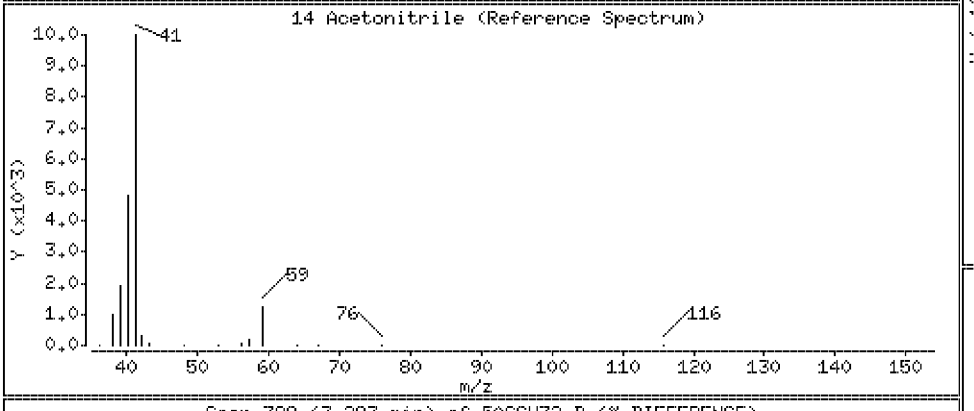
Column diameter: 0.18

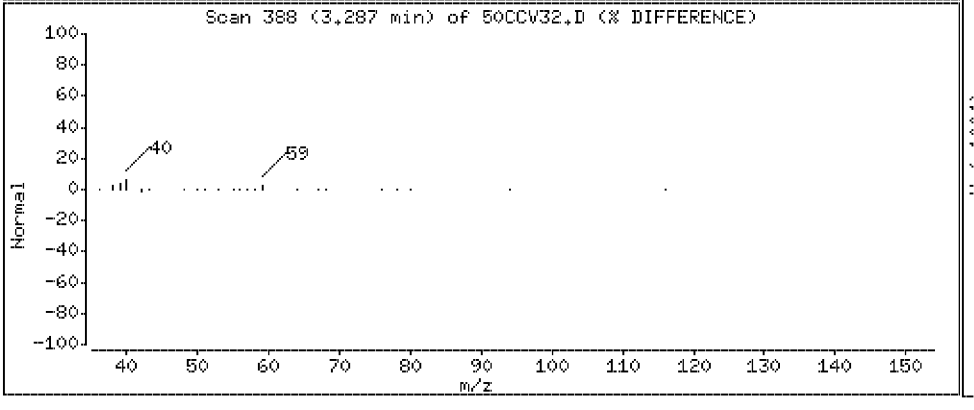
14 Acetonitrile

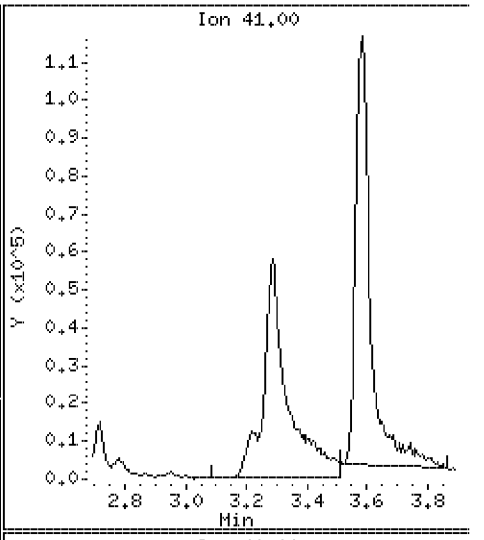
Concentration: 430 ug/l

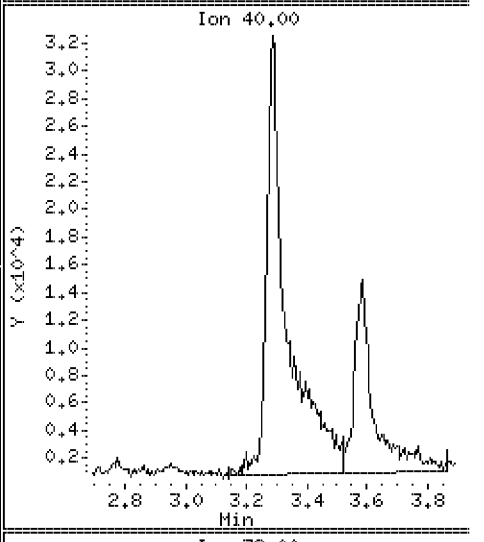


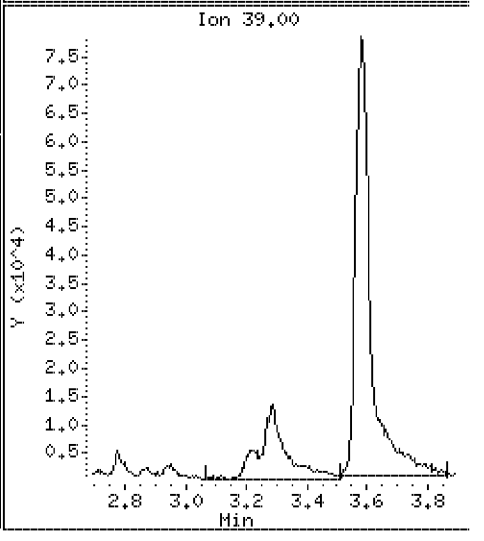












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

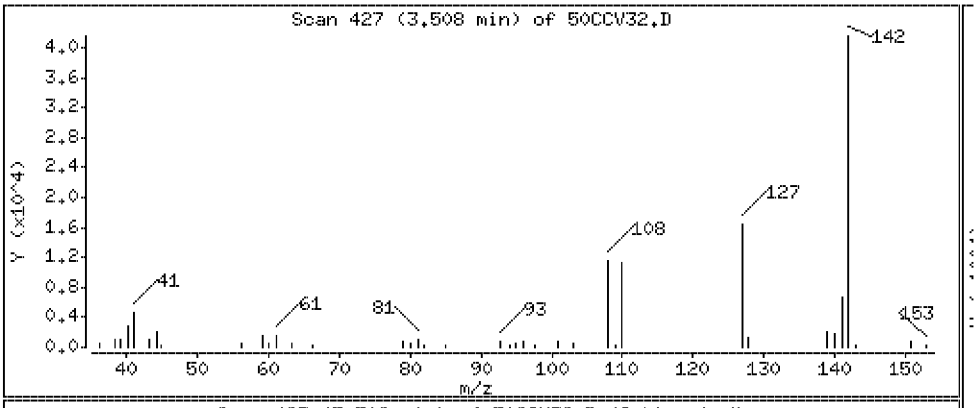
Client ID: 040408CCVA32 Instrument: vms03.i

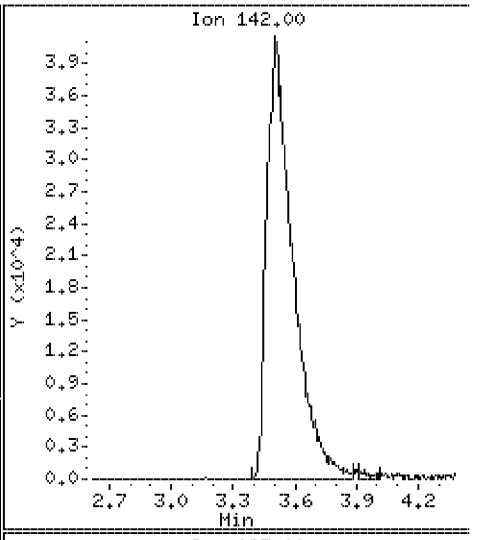
Sample Info: 040408CCVA32

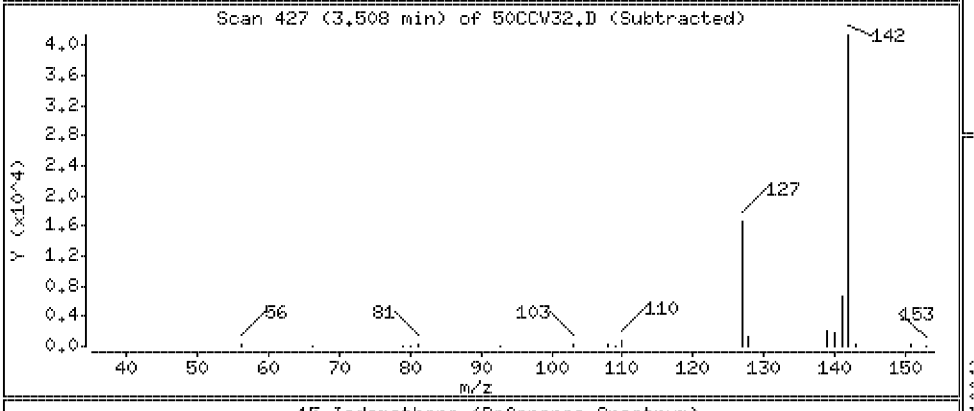
Purge Volume: 5.0 Operator:

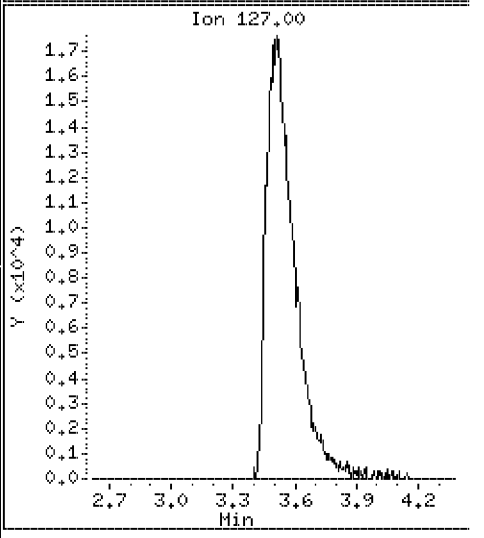
Column phase: DB-624 Column diameter: 0.18

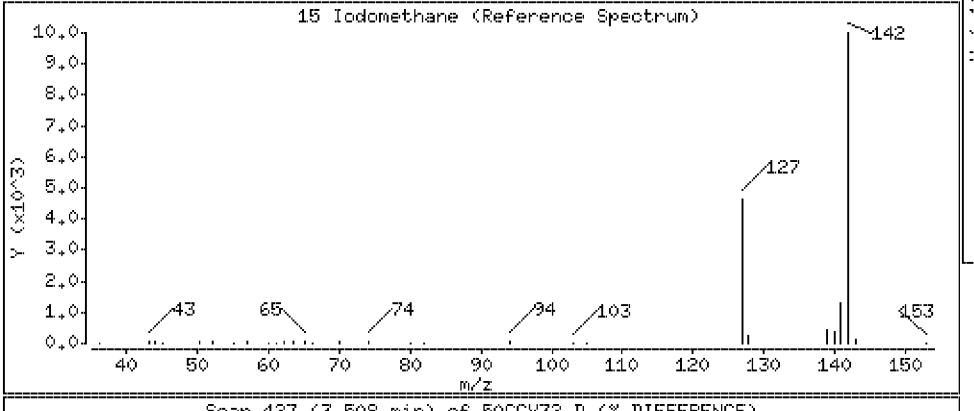
15 Iodomethane Concentration: 42.8 ug/l

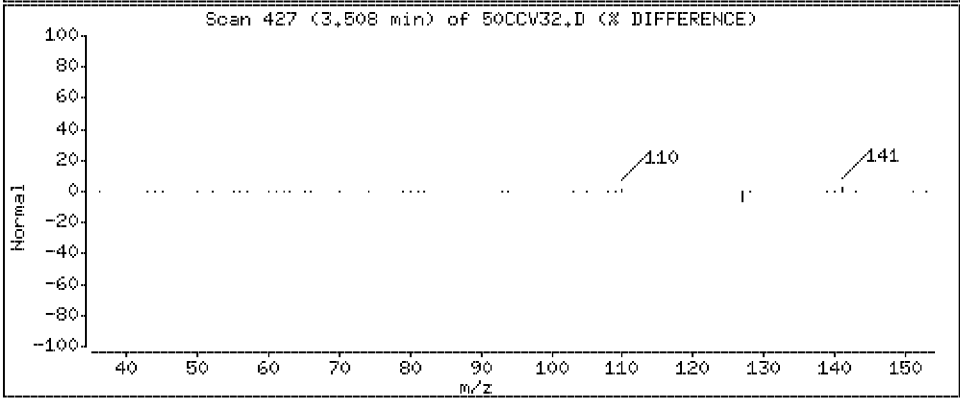












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

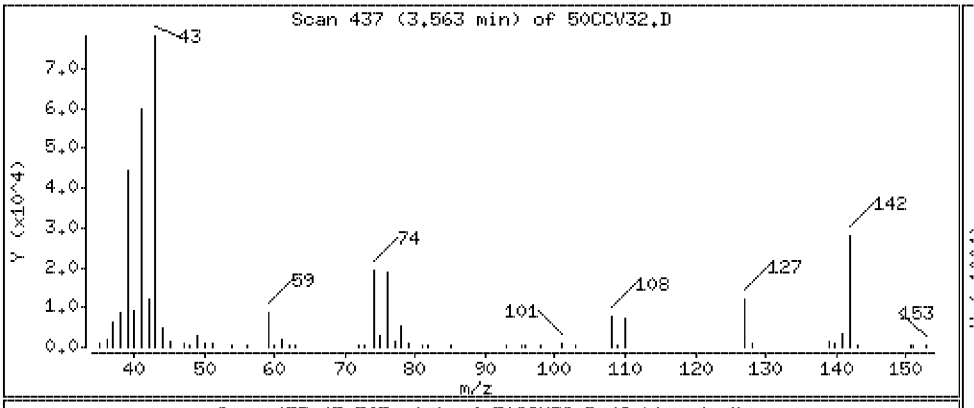
Operator:

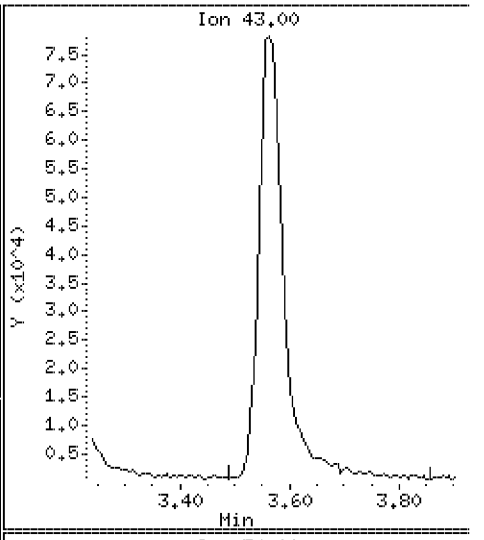
Column phase: DB-624

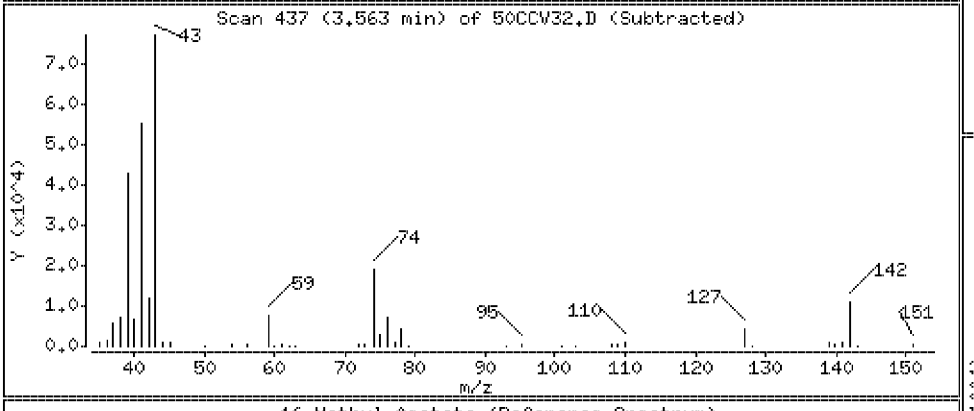
Column diameter: 0.18

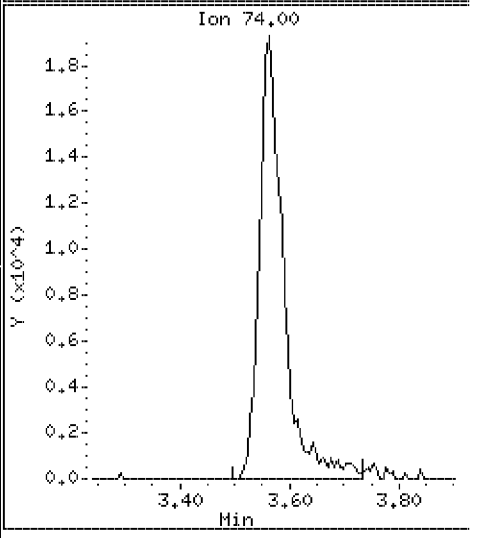
16 Methyl Acetate

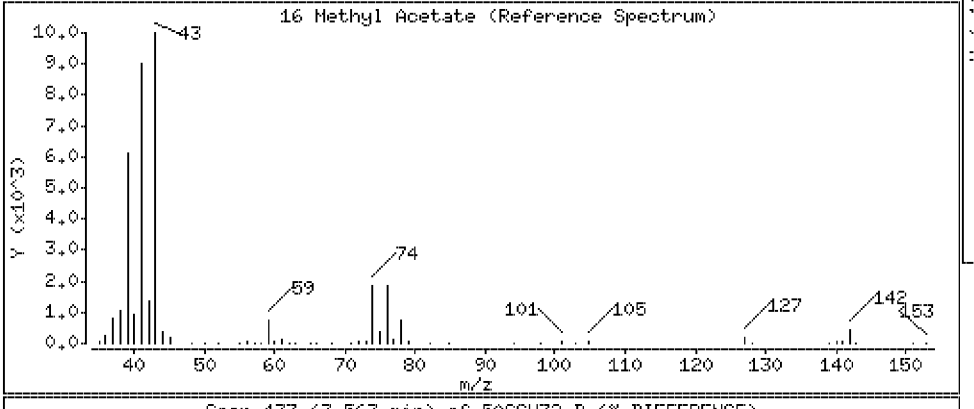
Concentration: 44.9 ug/l

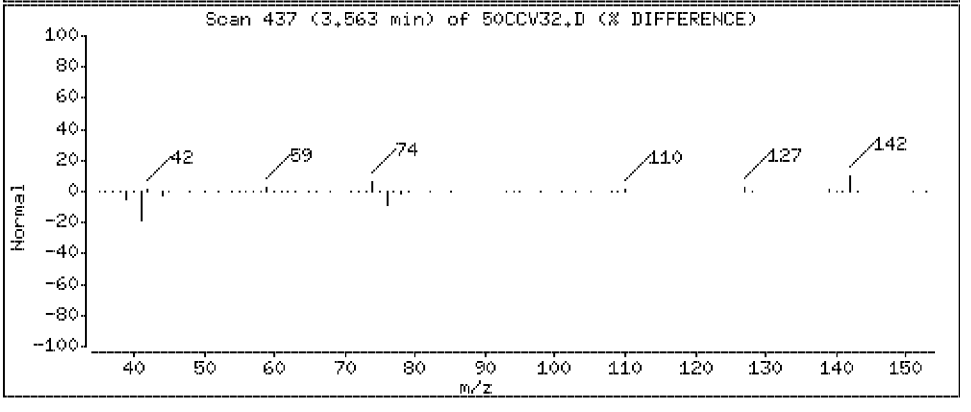












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

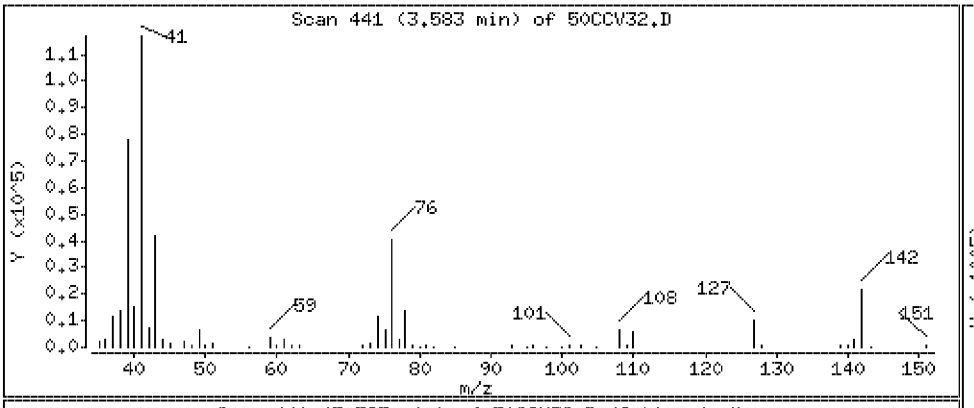
Operator:

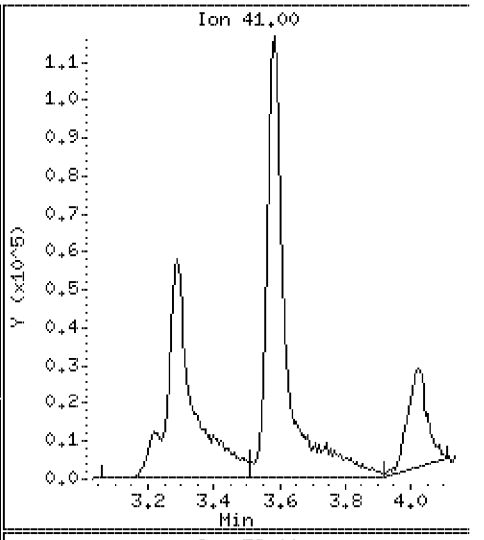
Column phase: DB-624

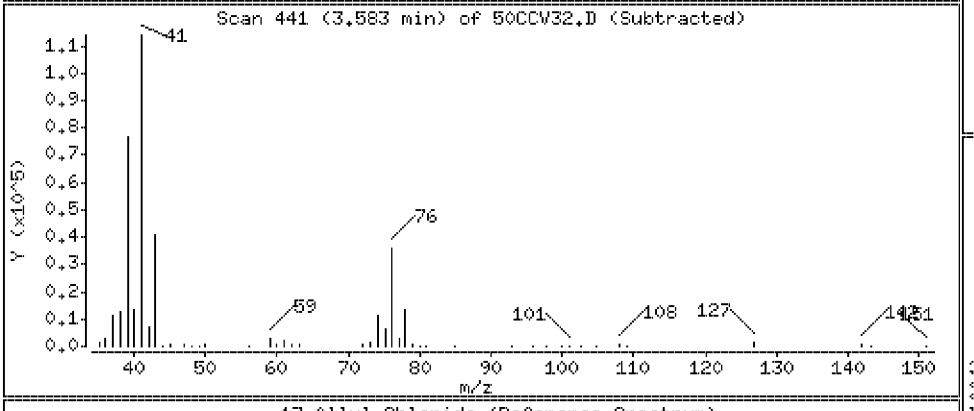
Column diameter: 0.18

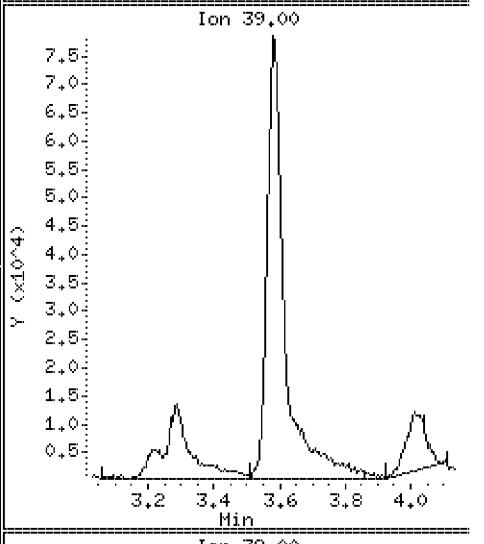
17 Allyl Chloride

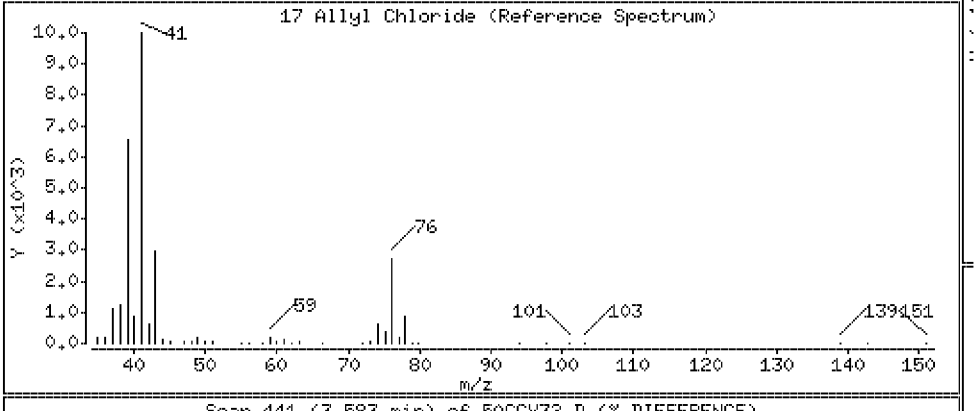
Concentration: 48.8 ug/l

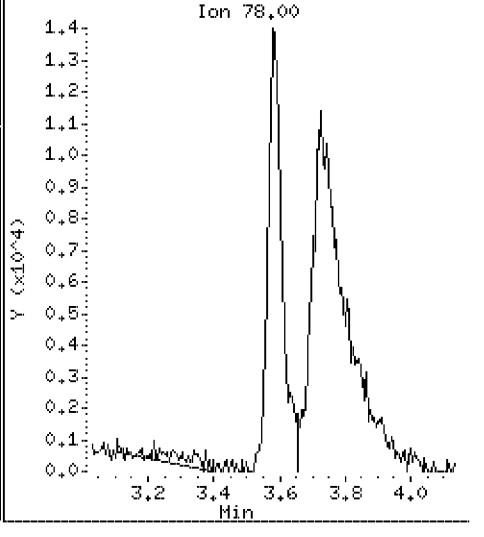


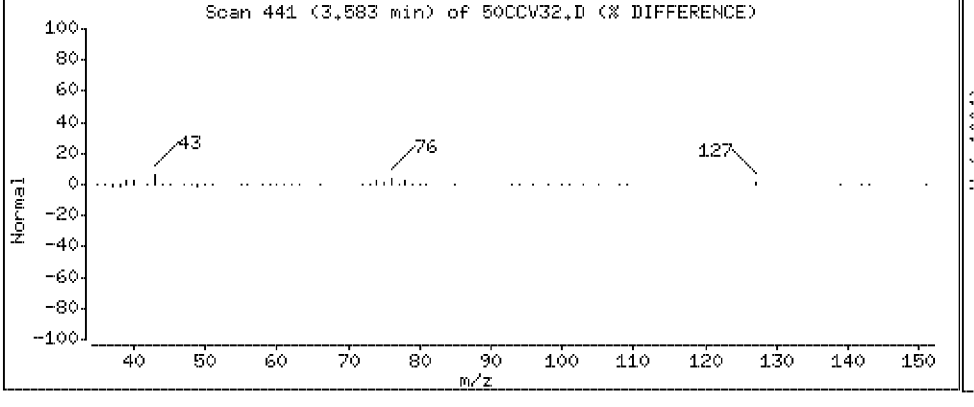












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

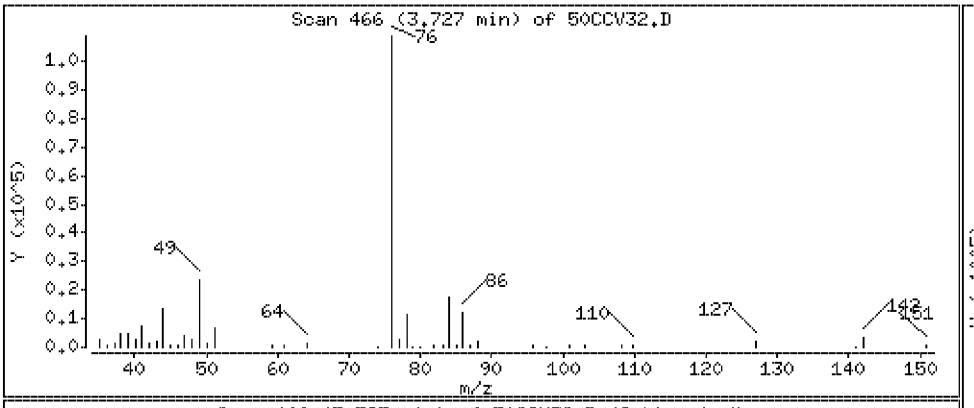
Operator:

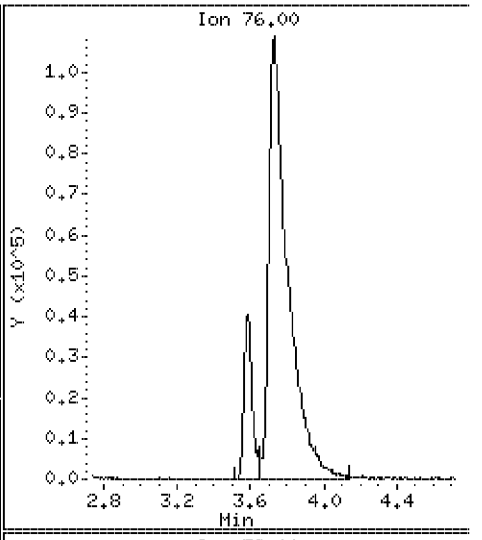
Column phase: DB-624

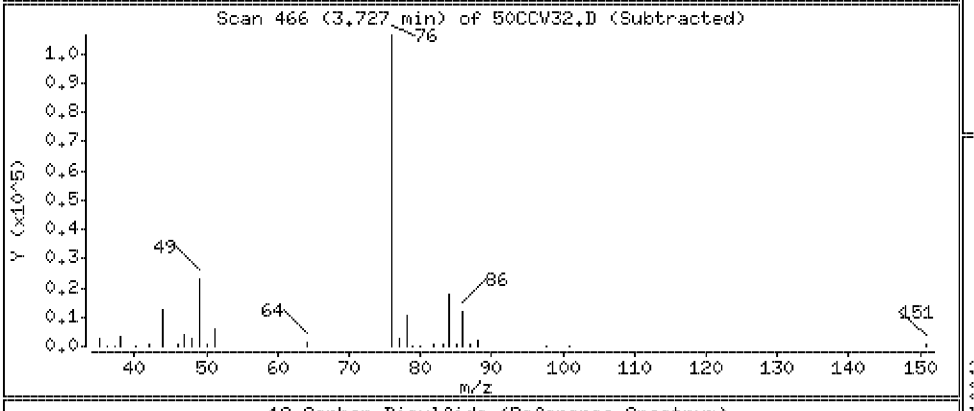
Column diameter: 0.18

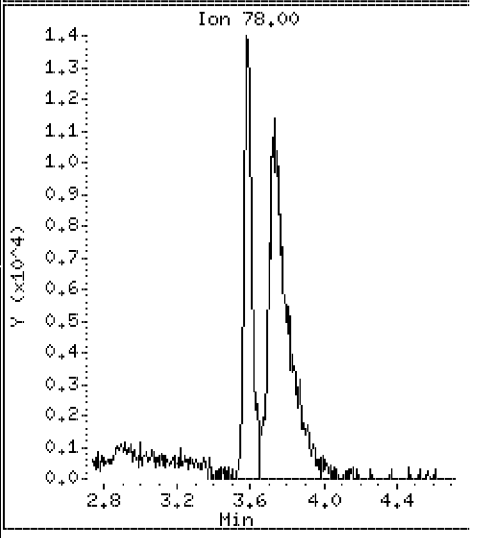
18 Carbon Disulfide

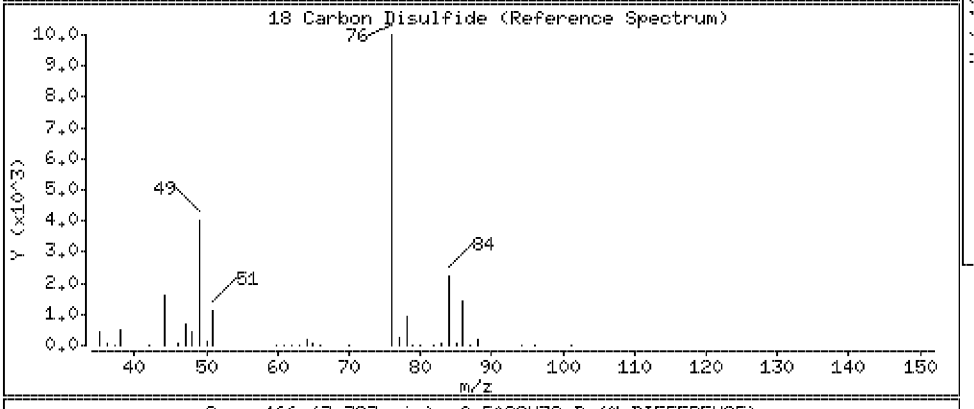
Concentration: 49.8 ug/l

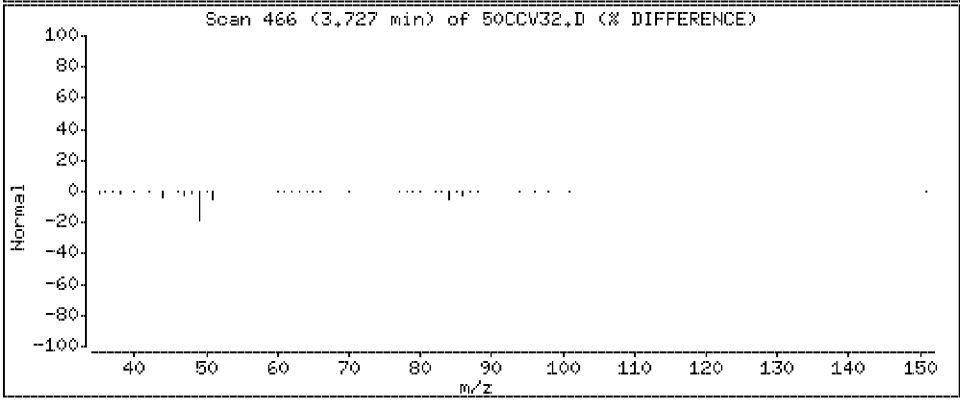












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

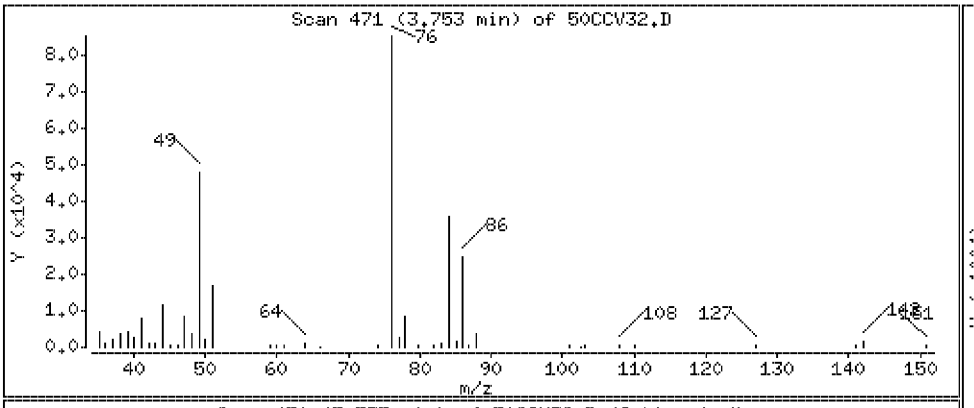
Operator:

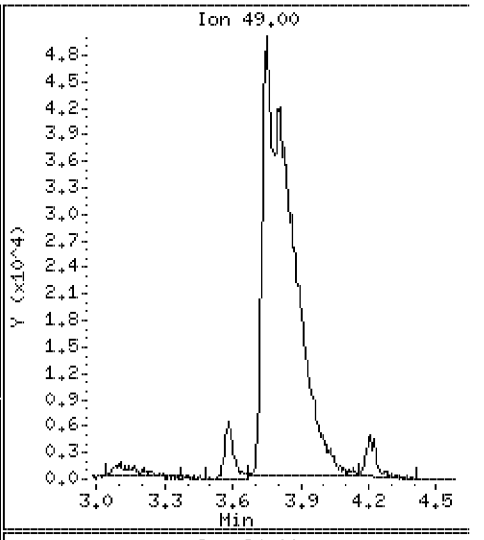
Column phase: DB-624

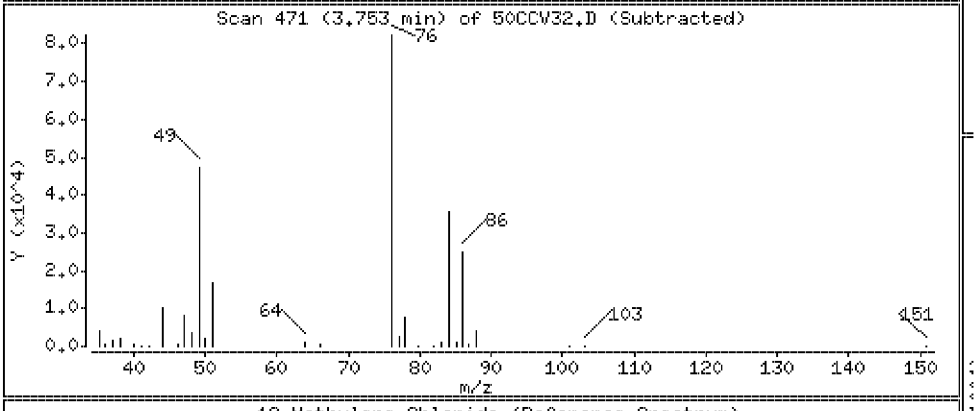
Column diameter: 0.18

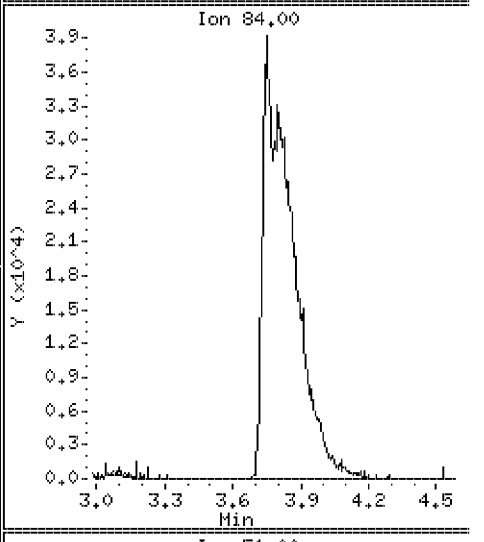
19 Methylene Chloride

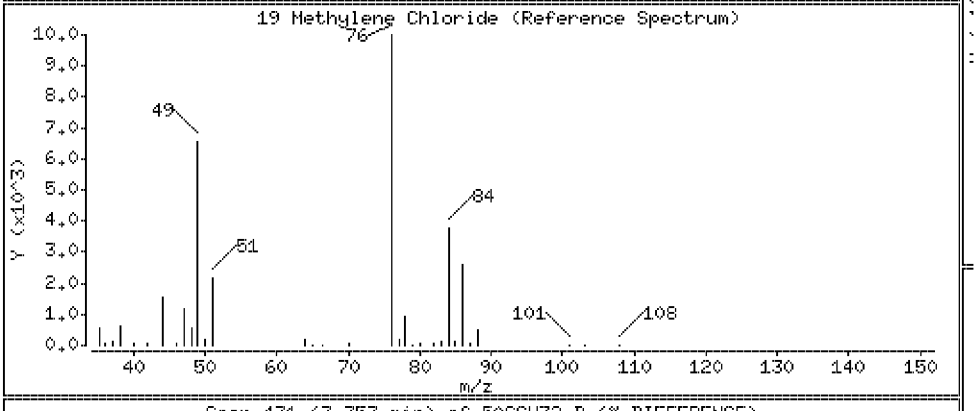
Concentration: 44.0 ug/l

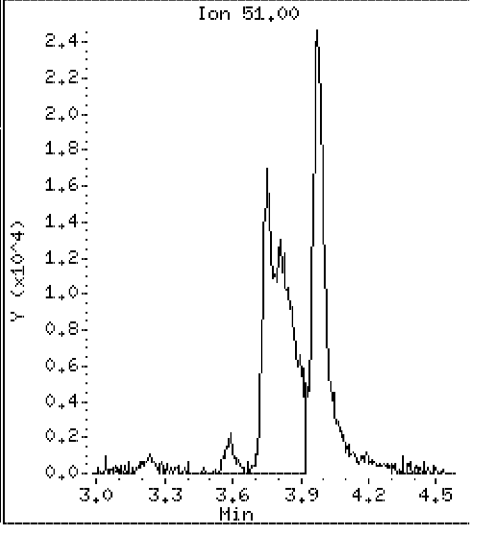


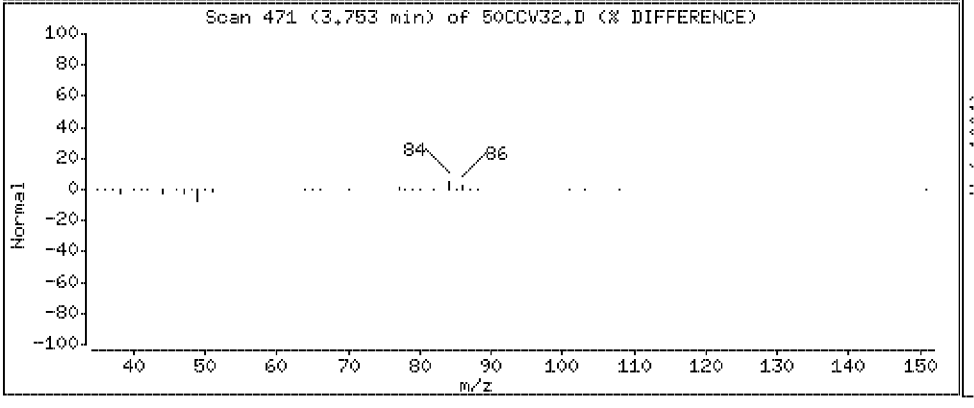












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

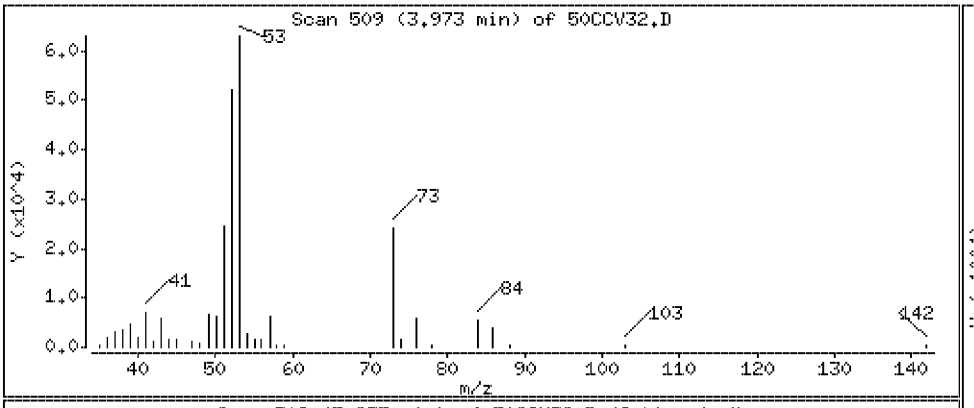
Client ID: 040408CCVA32 Instrument: vms03.i

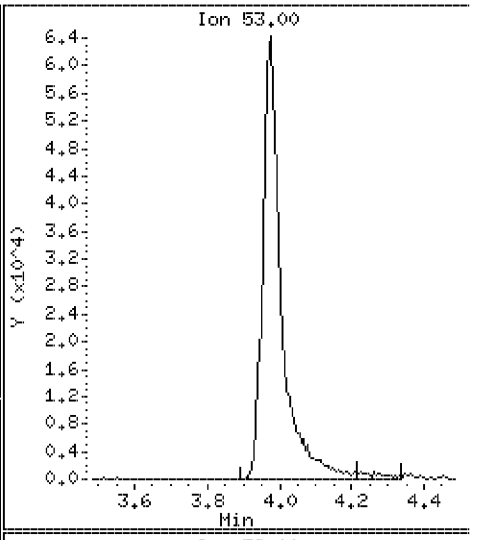
Sample Info: 040408CCVA32

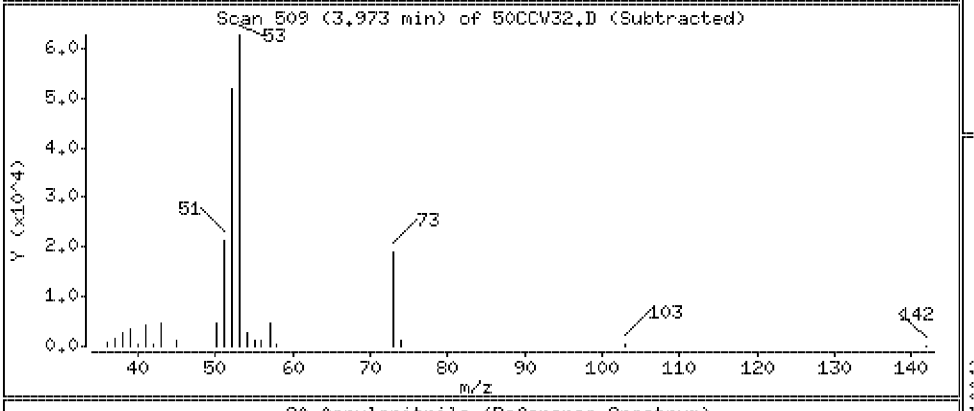
Purge Volume: 5.0 Operator:

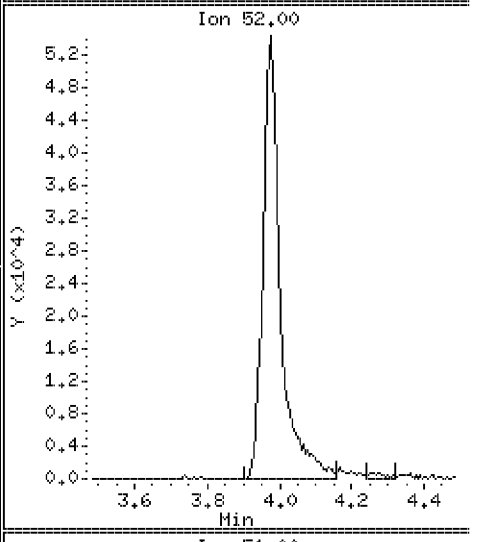
Column phase: DB-624 Column diameter: 0.18

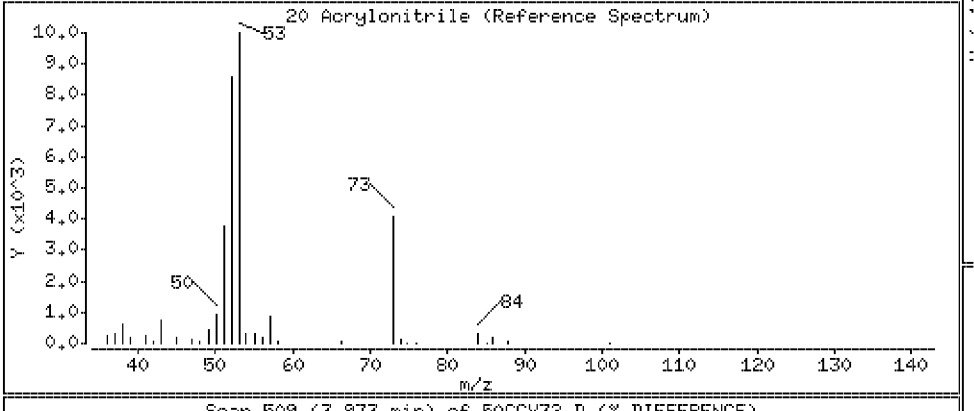
20 Acrylonitrile Concentration: 97.0 ug/l

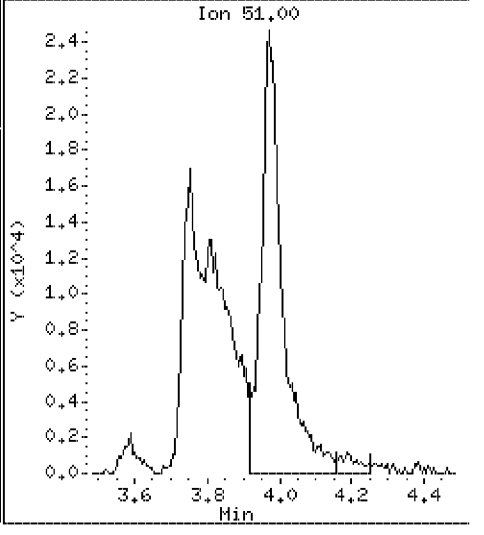


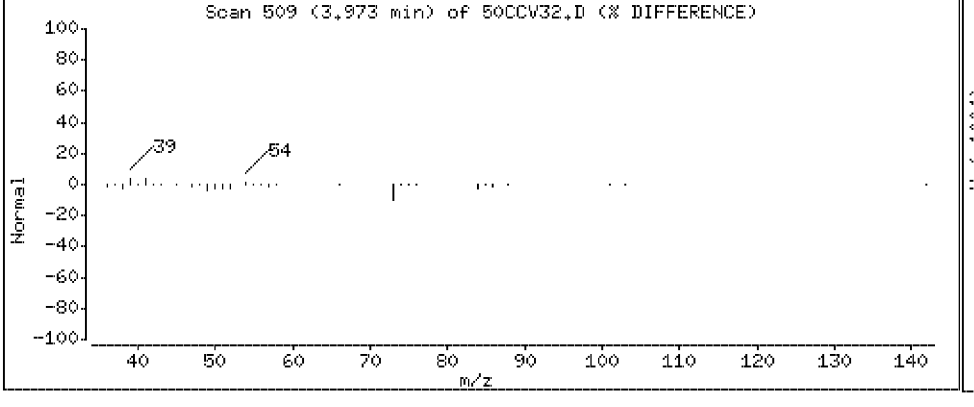












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

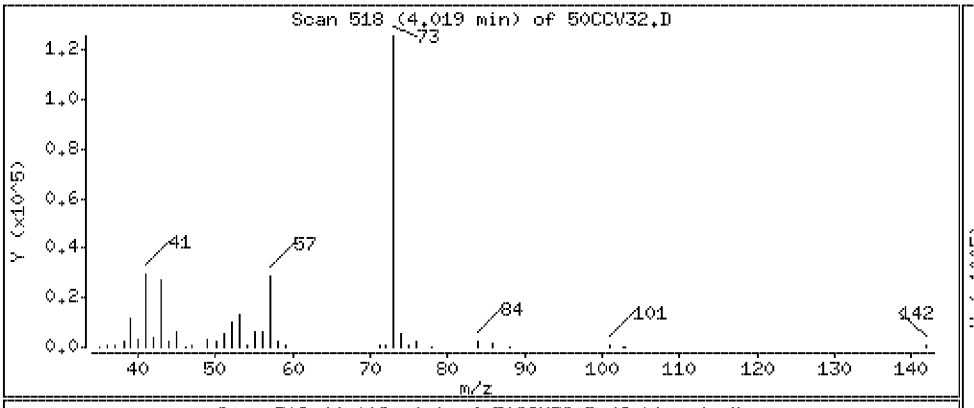
Operator:

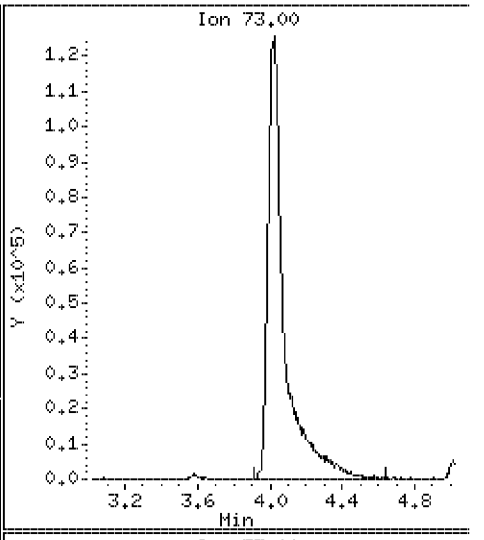
Column phase: DB-624

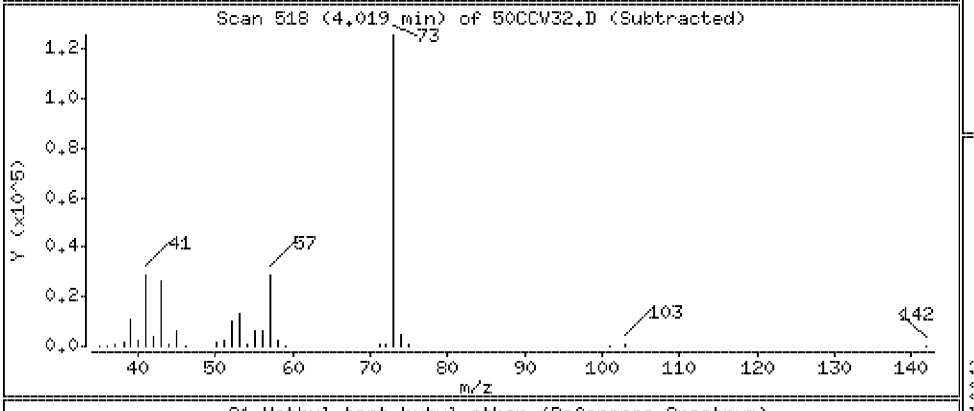
Column diameter: 0.18

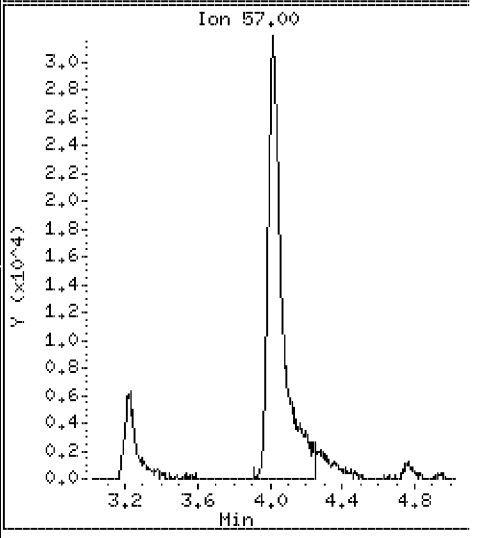
21 Methyl-tert-butyl ether

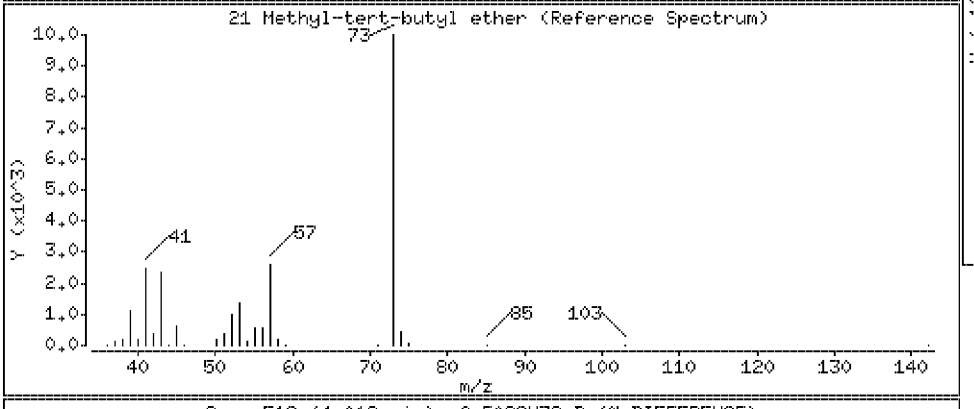
Concentration: 50.1 ug/l

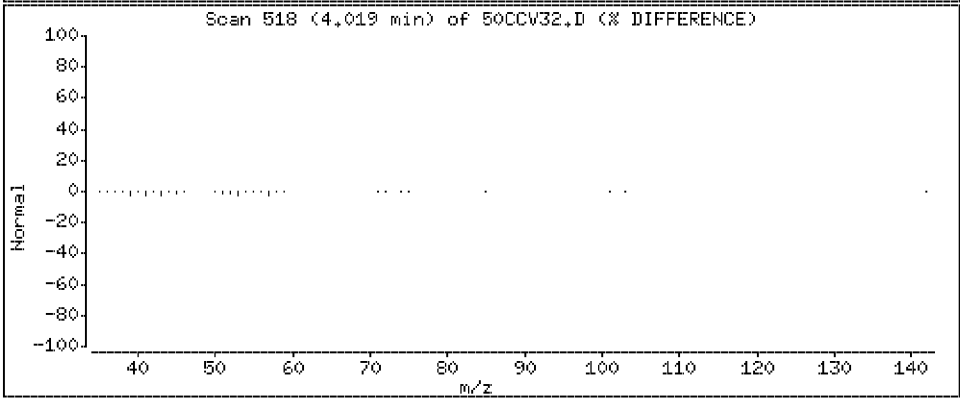












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

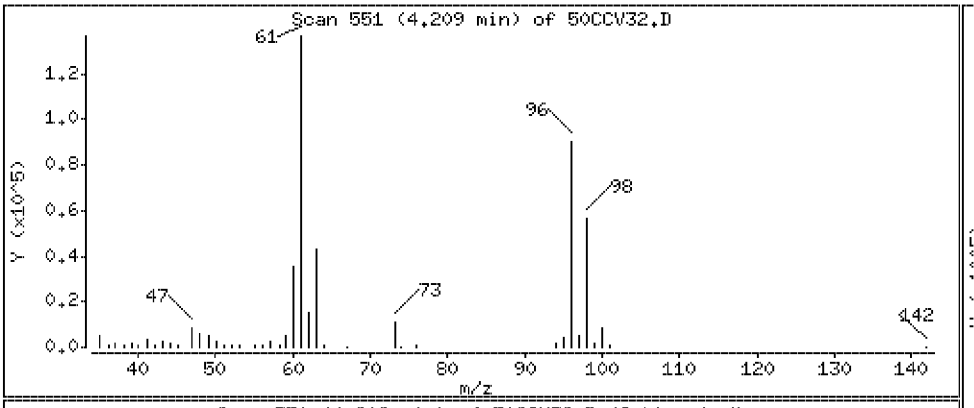
Operator:

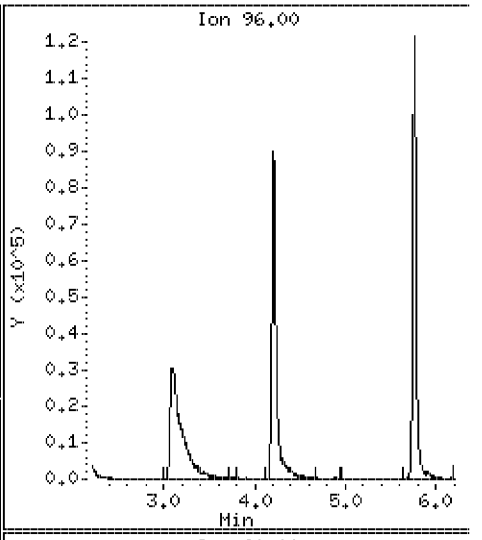
Column phase: DB-624

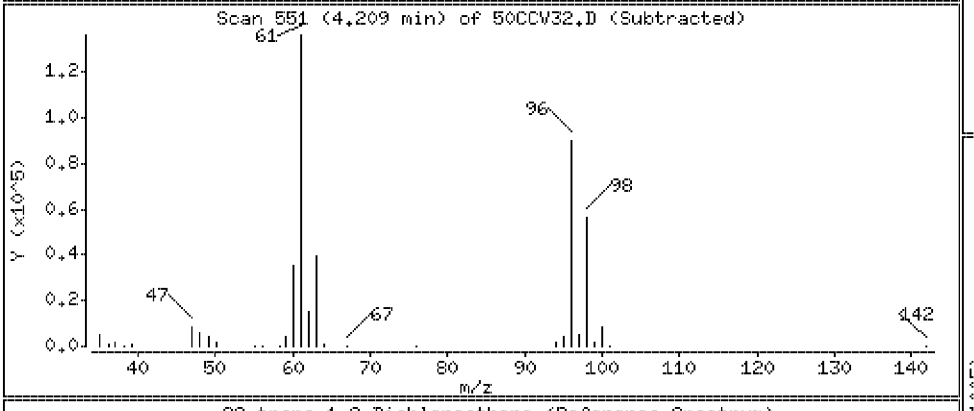
Column diameter: 0.18

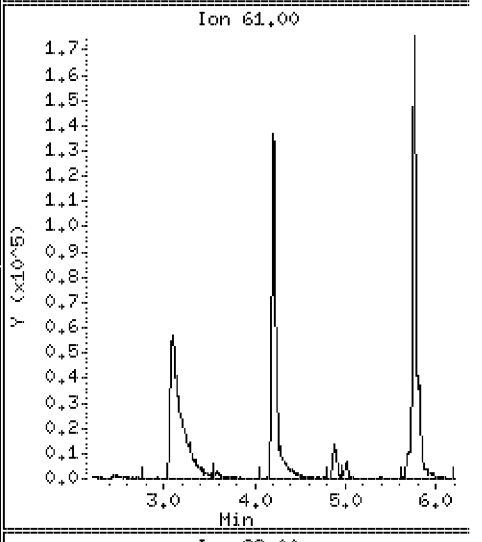
22 trans 1,2-Dichloroethene

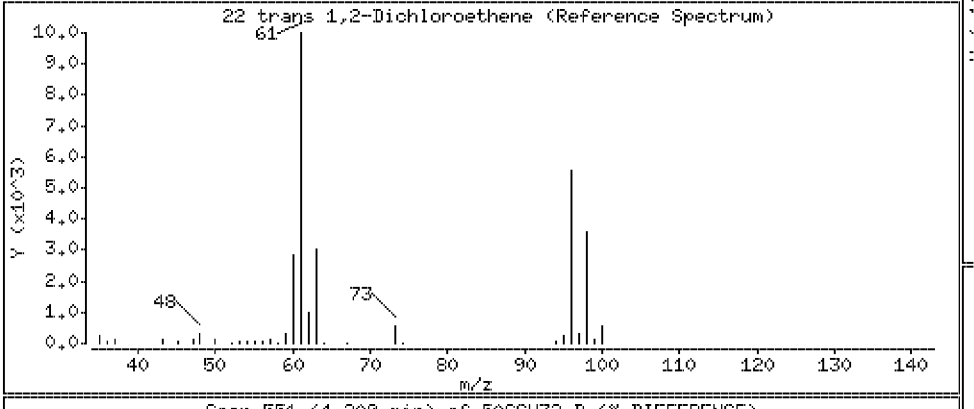
Concentration: 50.7 ug/l

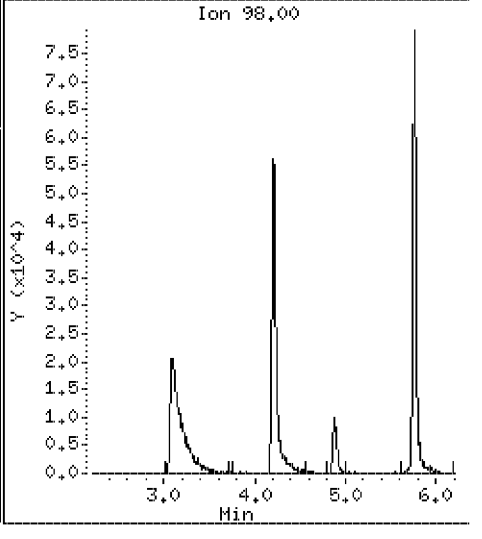


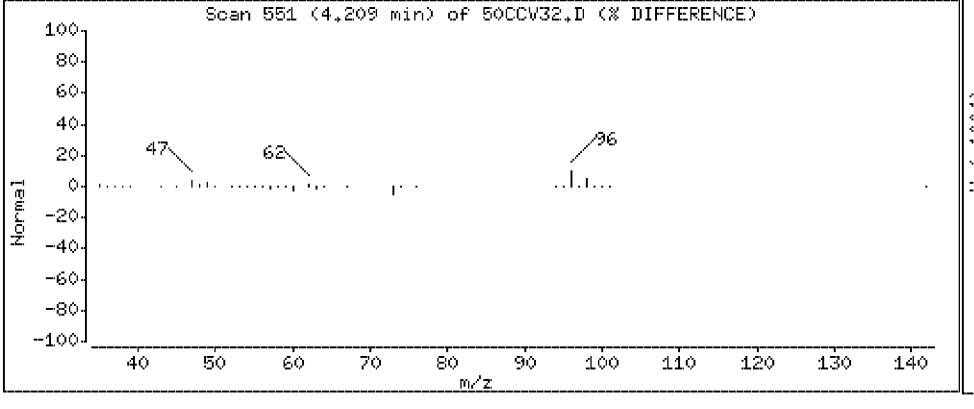












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

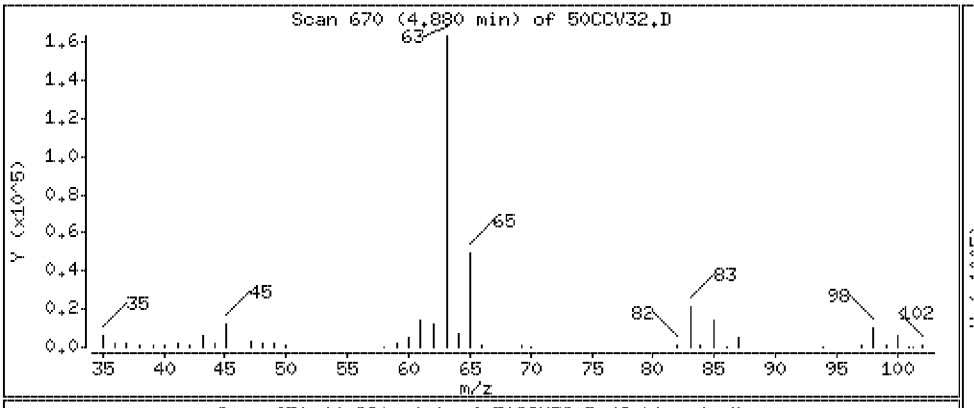
Operator:

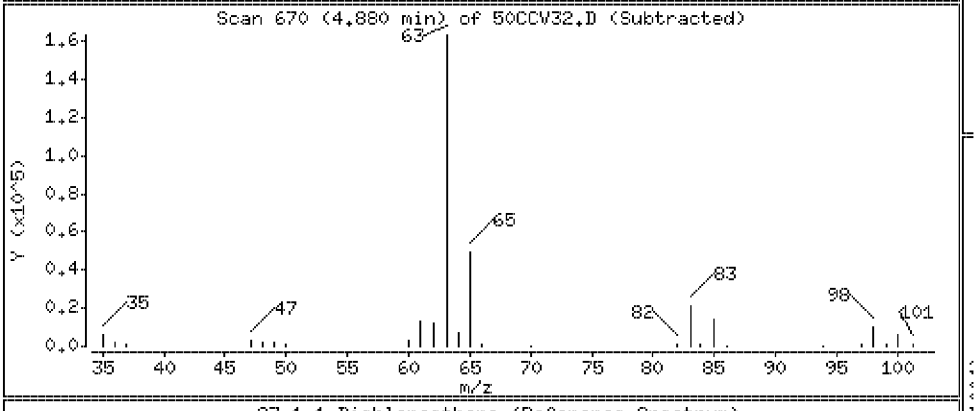
Column phase: DB-624

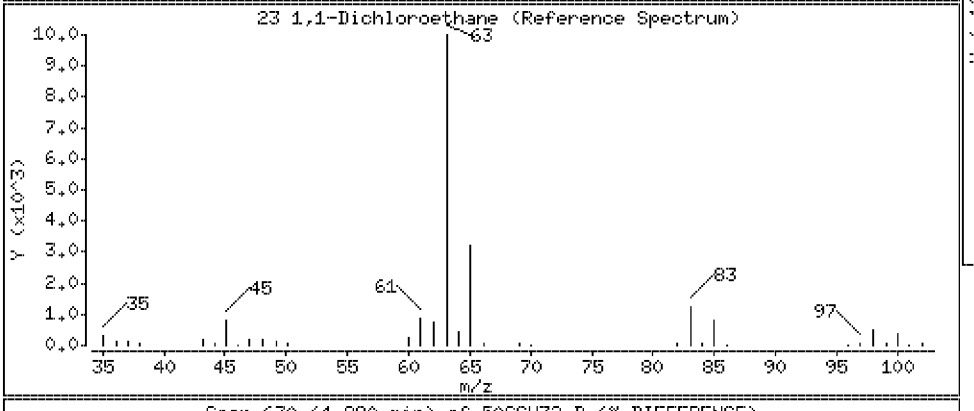
Column diameter: 0.18

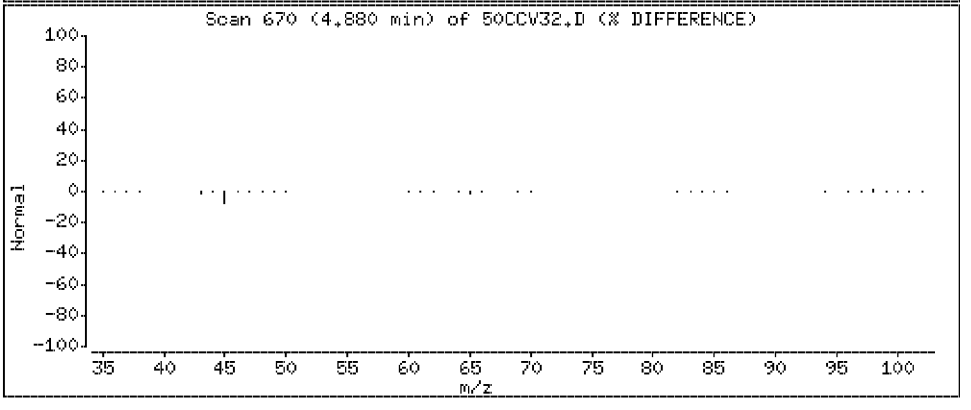
23 1,1-Dichloroethane

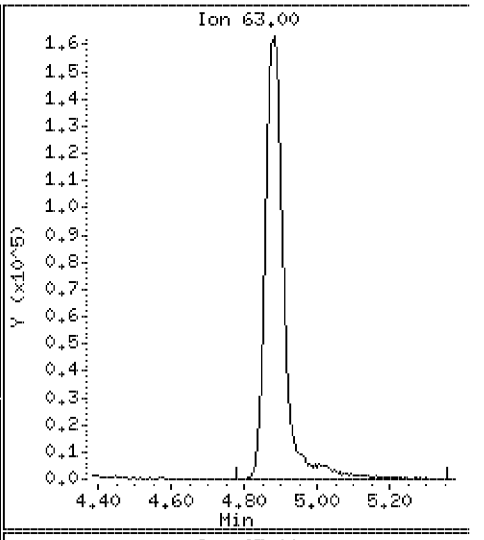
Concentration: 50.5 ug/l

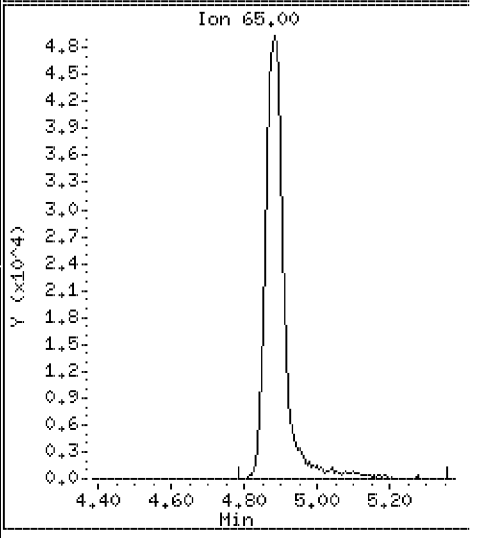












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

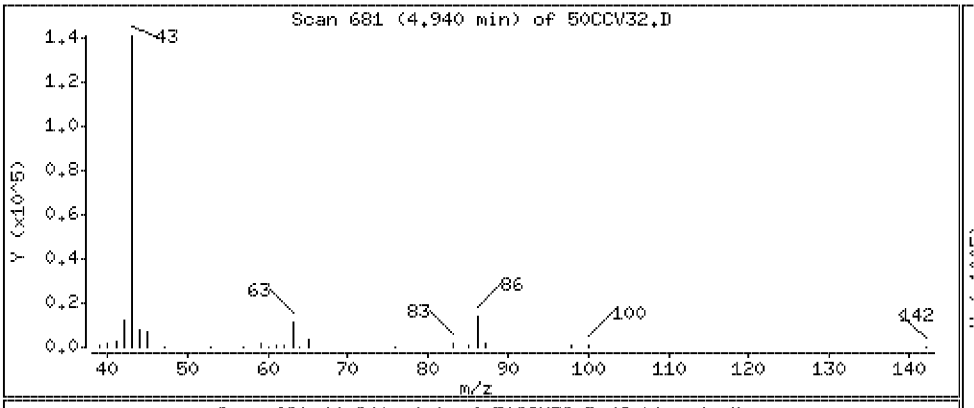
Client ID: 040408CCVA32 Instrument: vms03.i

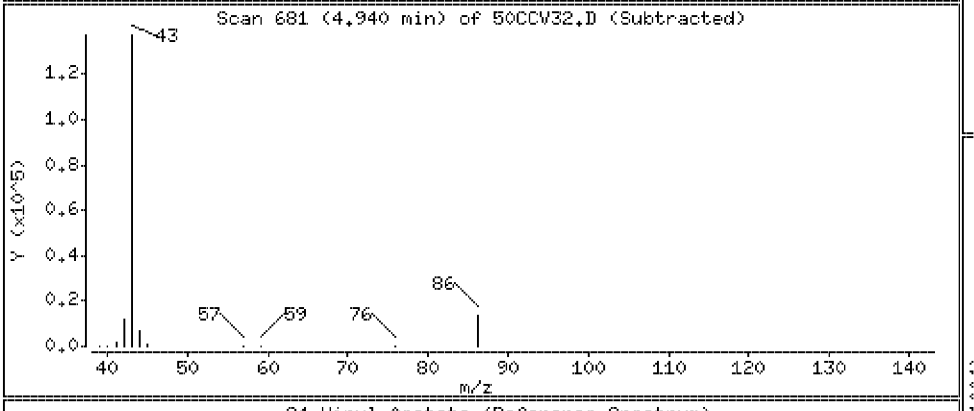
Sample Info: 040408CCVA32

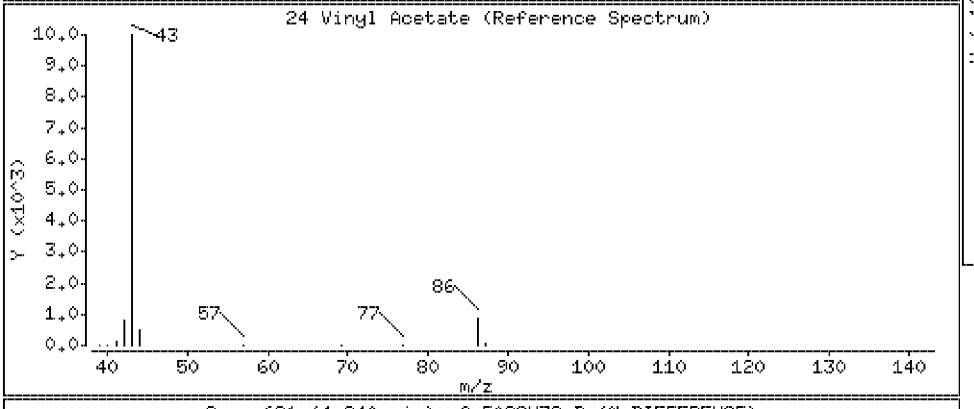
Purge Volume: 5.0 Operator:

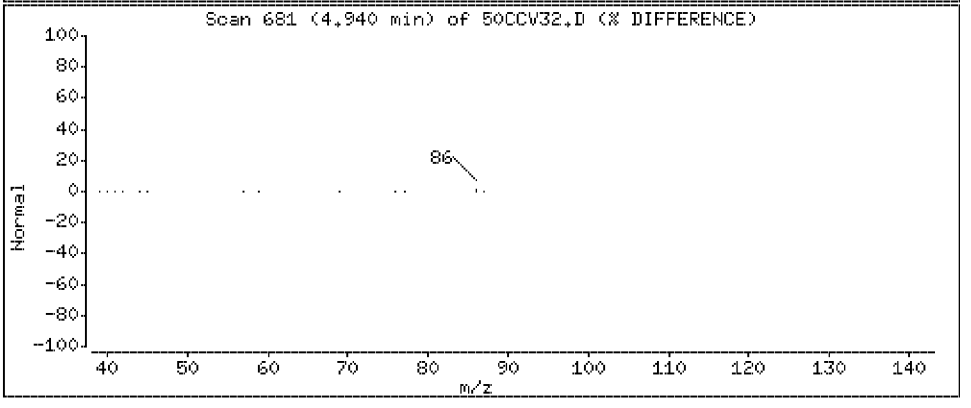
Column phase: DB-624 Column diameter: 0.18

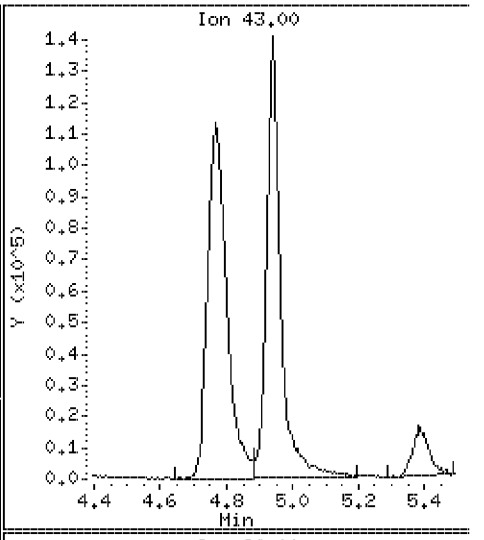
24 Vinyl Acetate Concentration: 49.8 ug/l

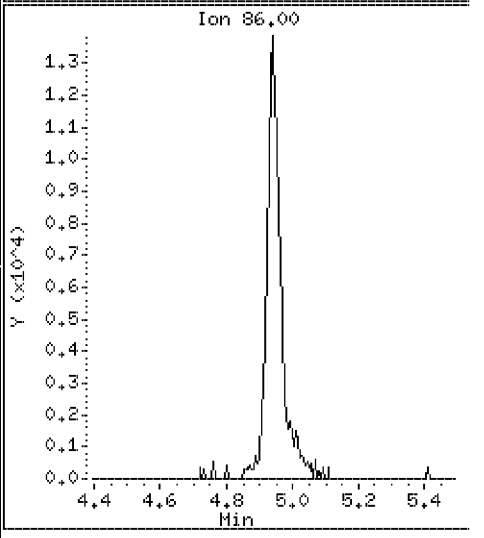












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

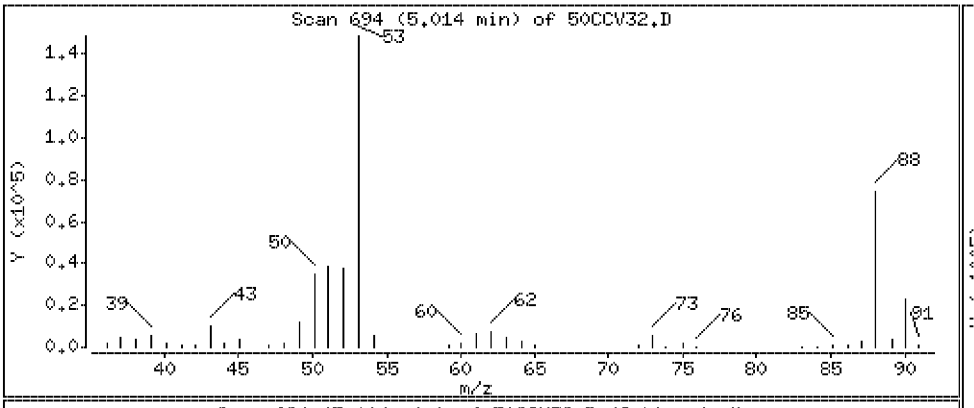
Operator:

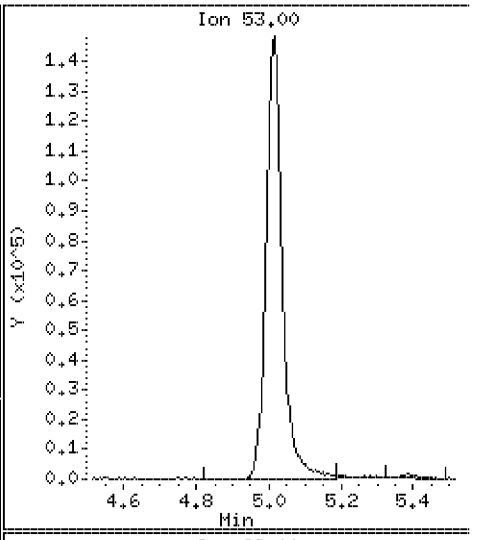
Column phase: DB-624

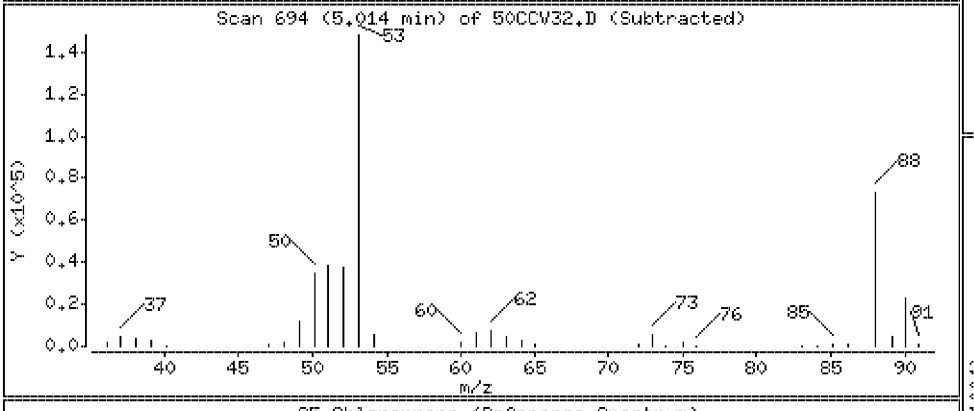
Column diameter: 0.18

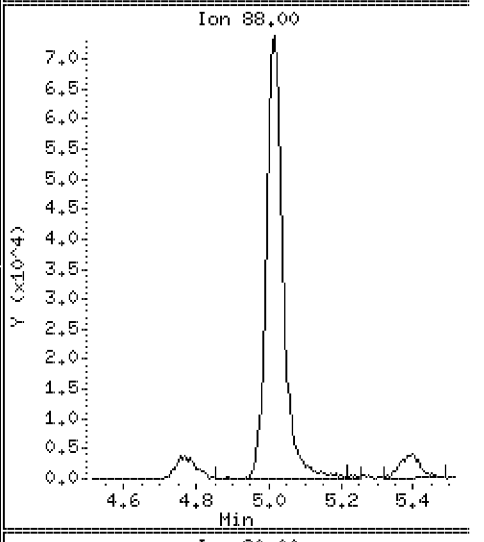
25 Chloroprene

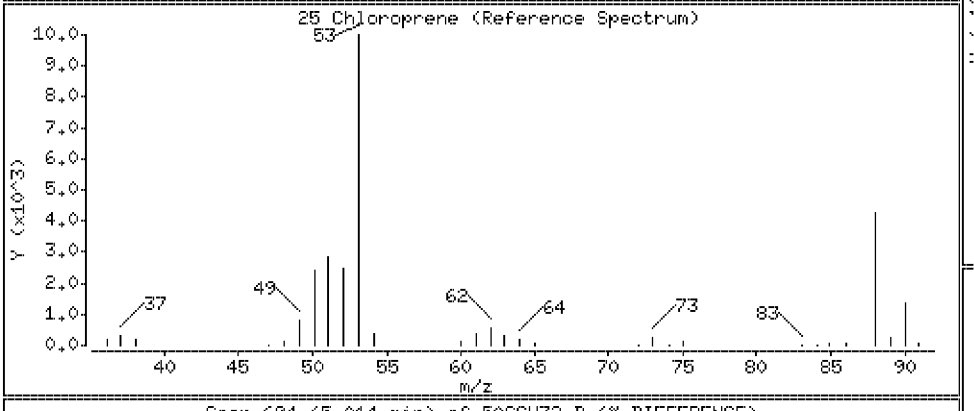
Concentration: 52.1 ug/l

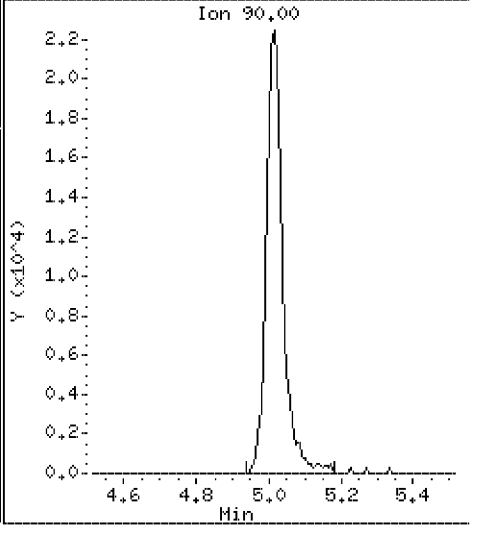


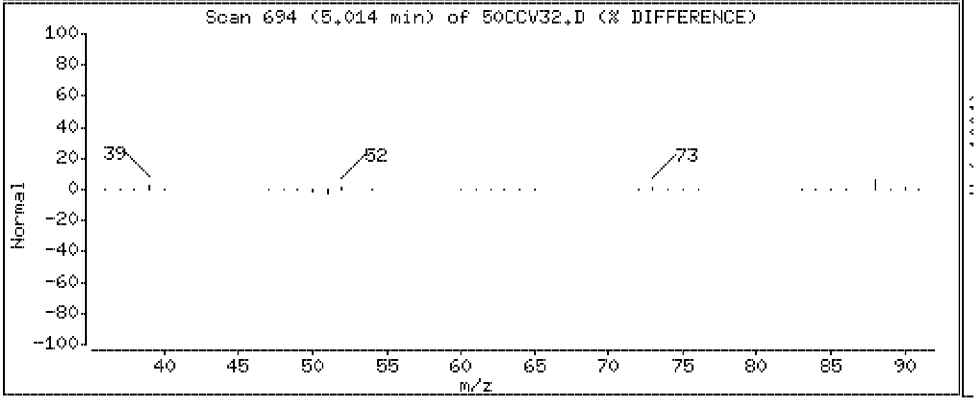












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

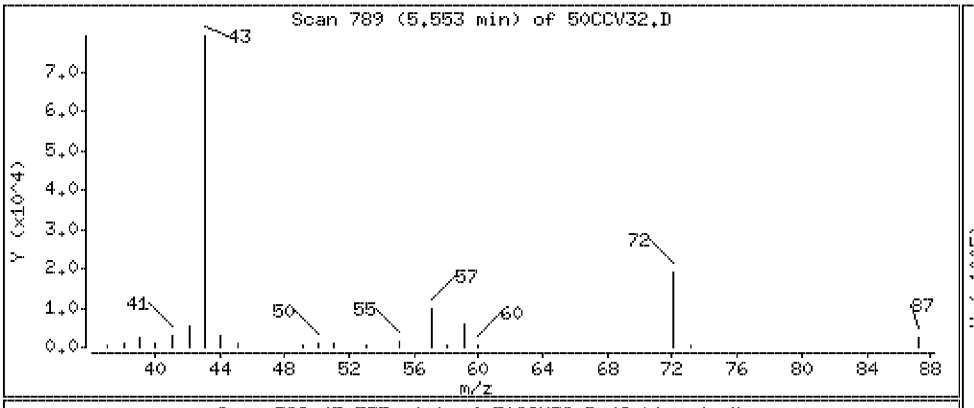
Client ID: 040408CCVA32 Instrument: vms03.i

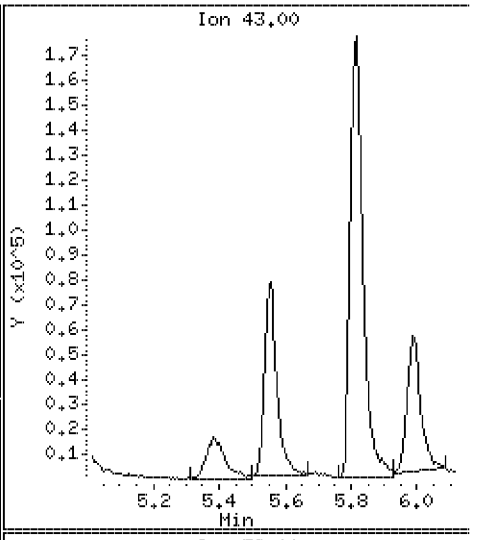
Sample Info: 040408CCVA32

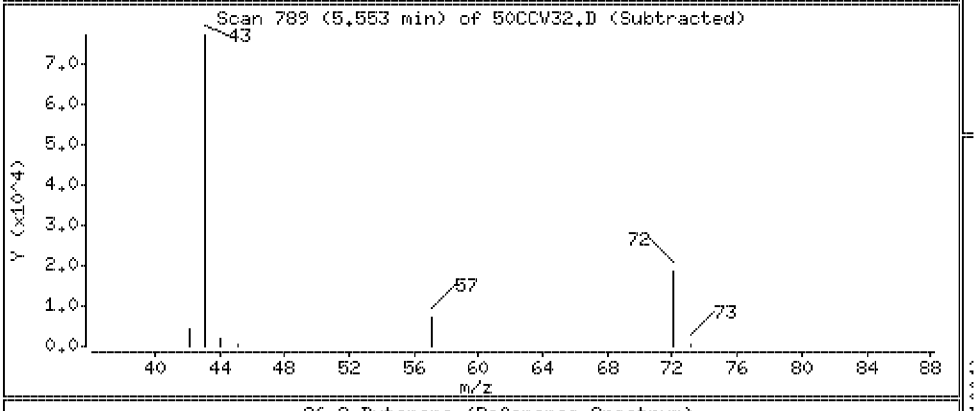
Purge Volume: 5.0 Operator:

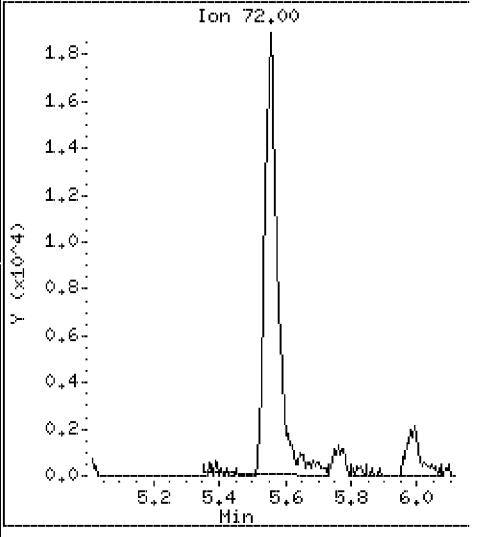
Column phase: DB-624 Column diameter: 0.18

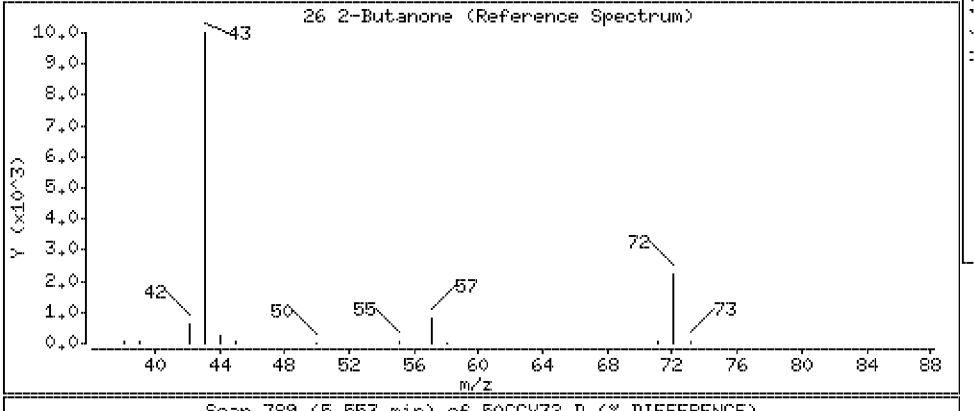
26 2-Butanone Concentration: 88.2 ug/l

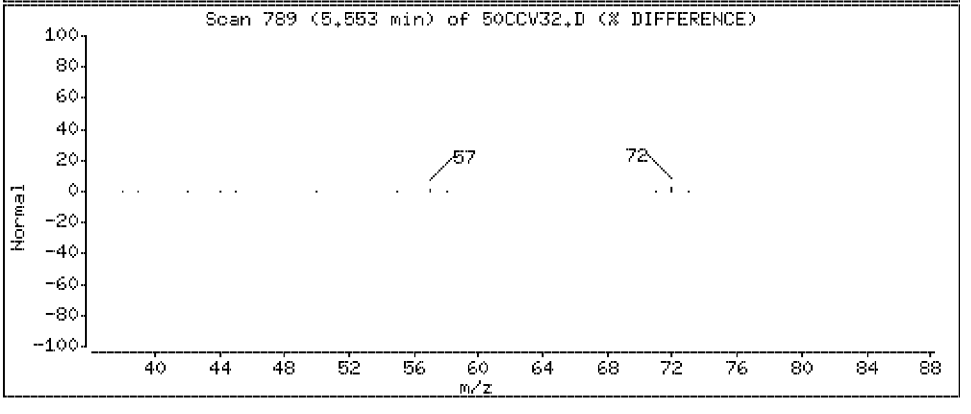












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

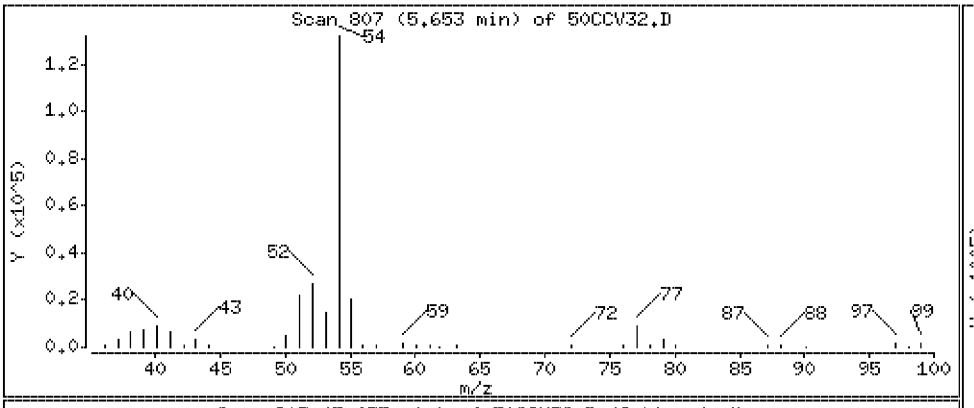
Operator:

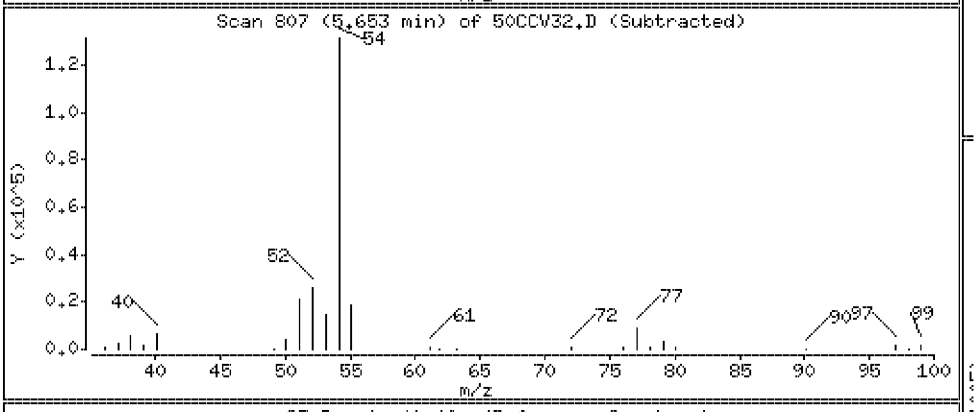
Column phase: DB-624

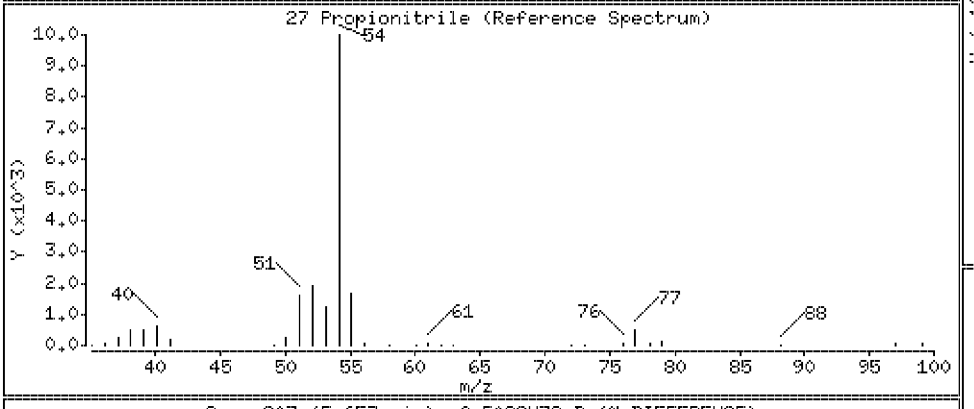
Column diameter: 0.18

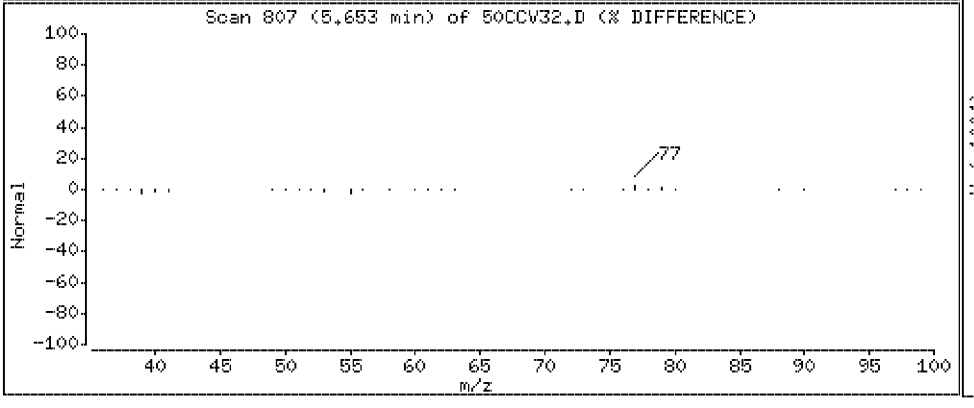
27 Propionitrile

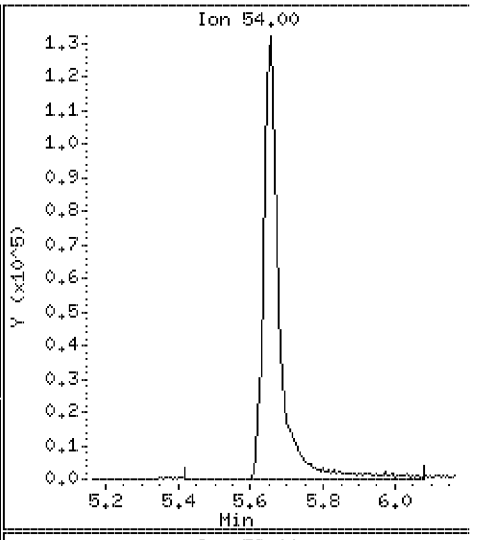
Concentration: 474 ug/l

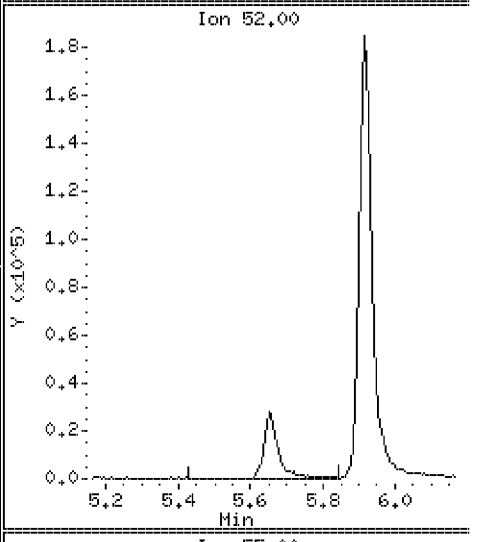


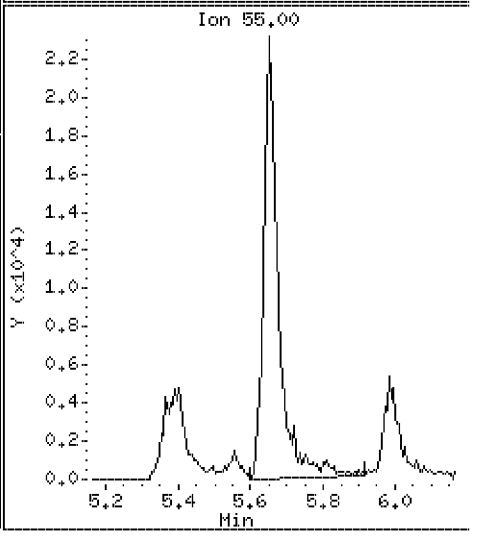












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

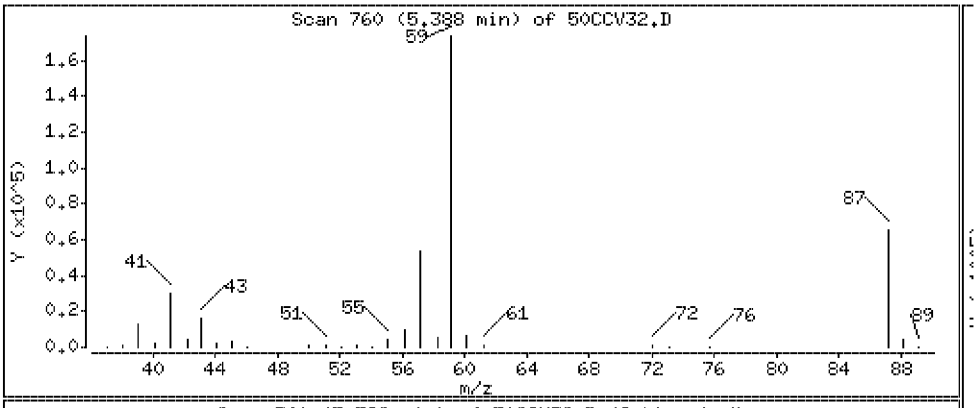
Operator:

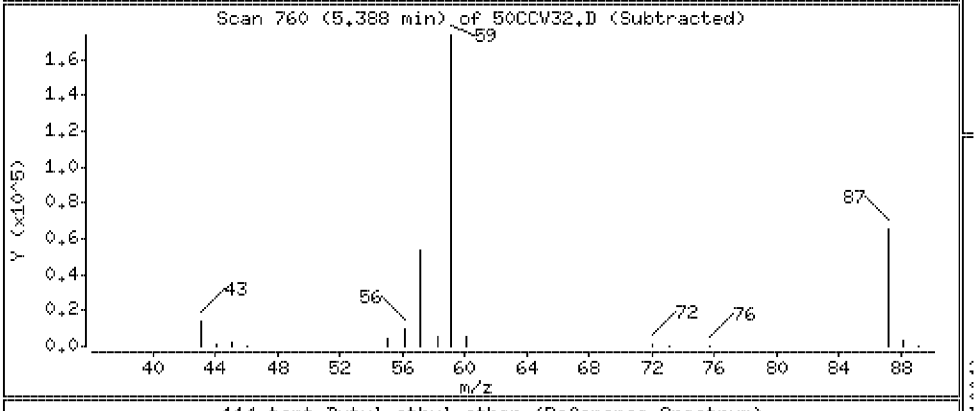
Column phase: DB-624

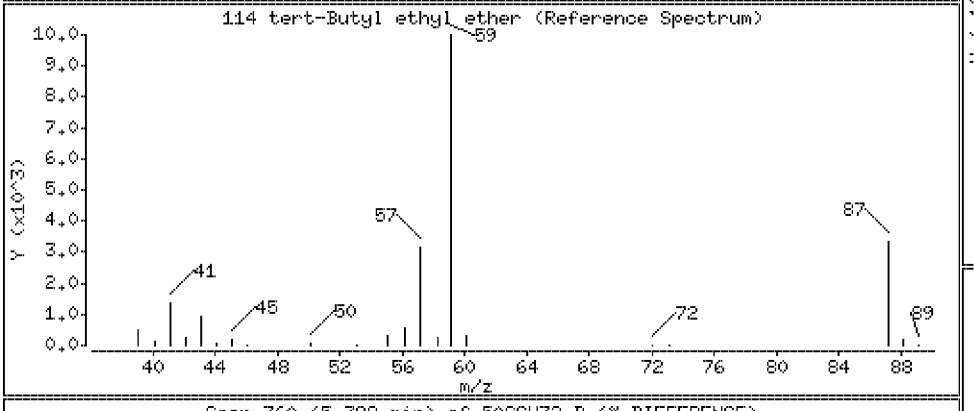
Column diameter: 0.18

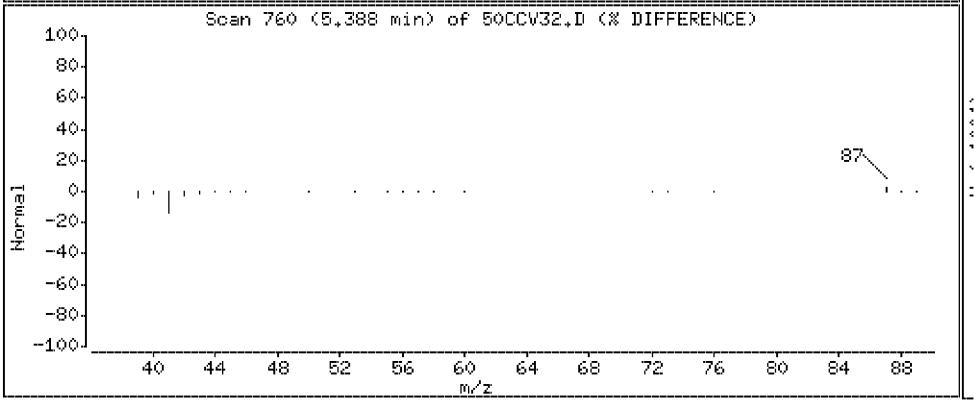
114 tert-Butyl ethyl ether

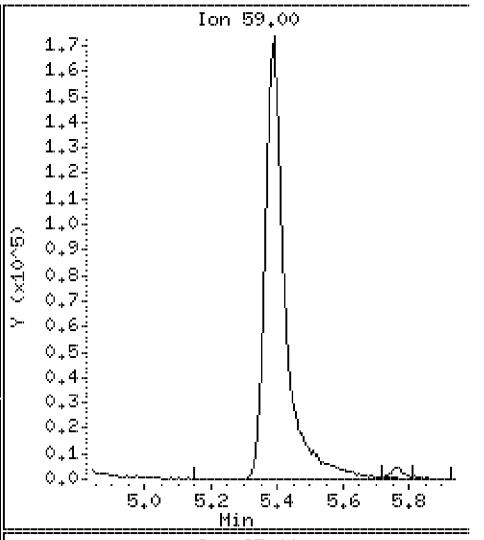
Concentration: 38.4 ug/l

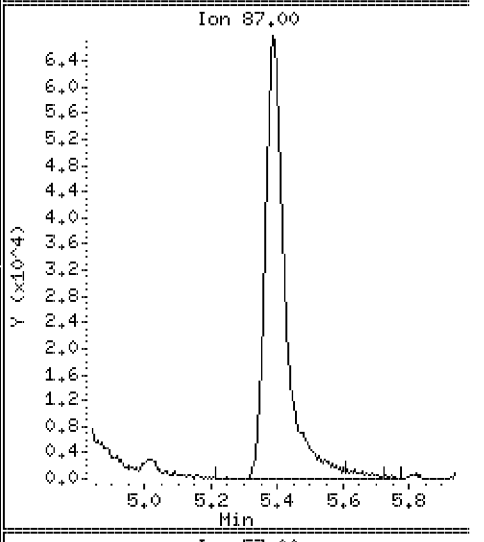


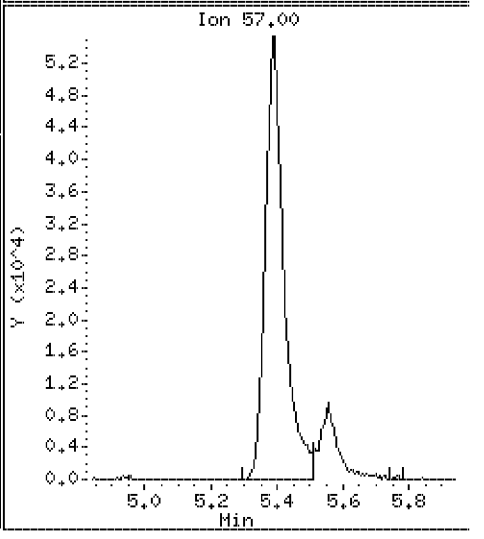












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

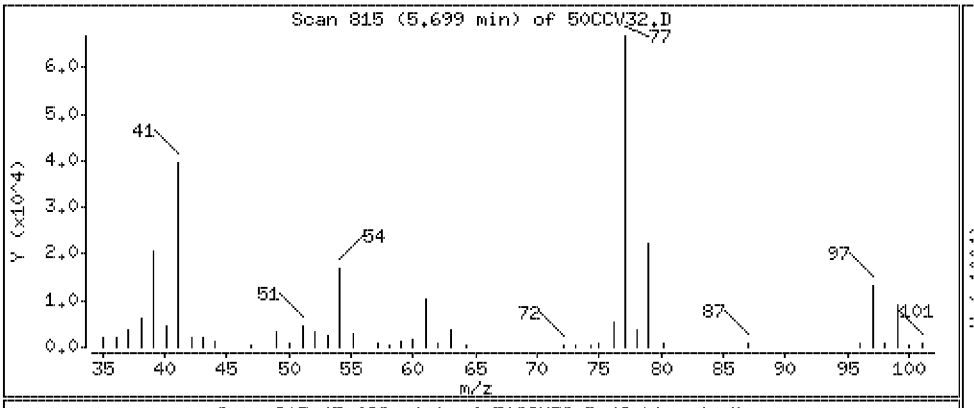
Operator:

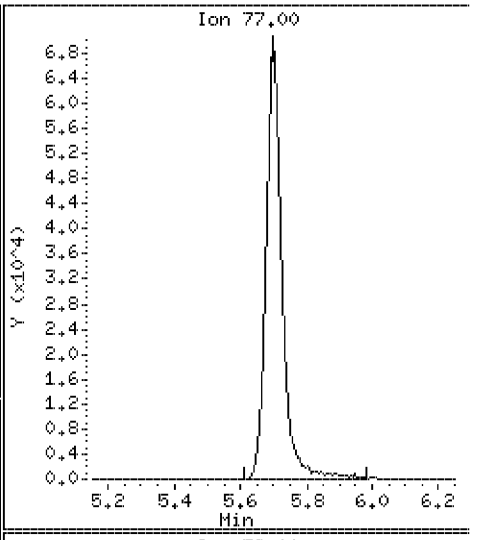
Column phase: DB-624

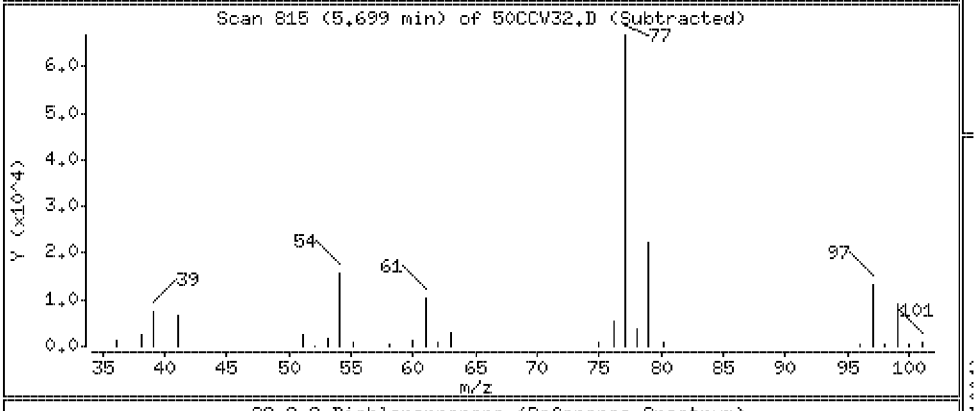
Column diameter: 0.18

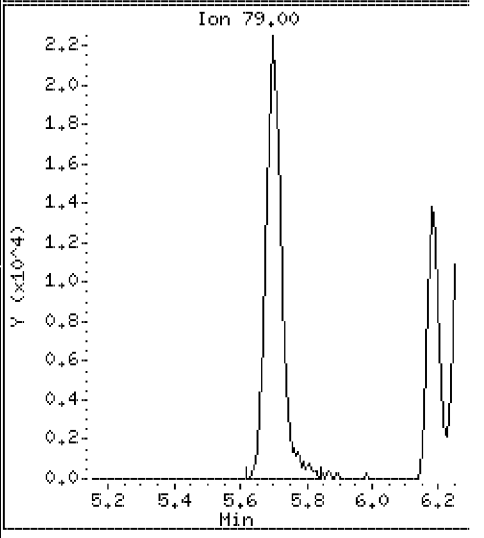
28 2,2-Dichloropropane

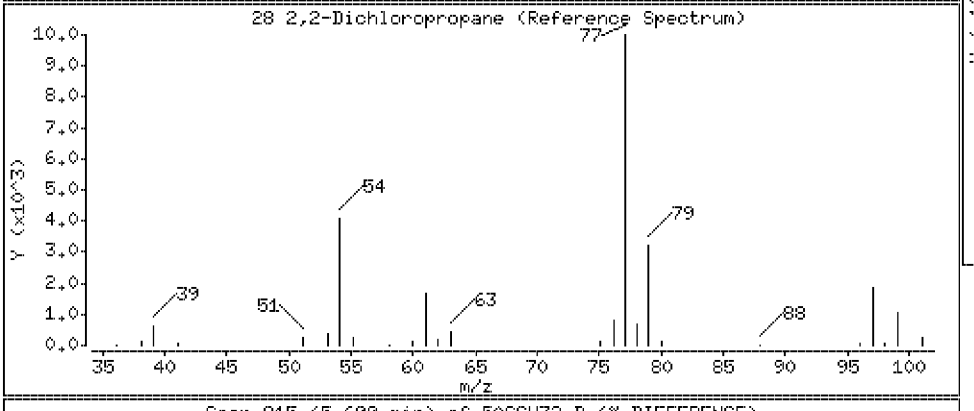
Concentration: 58.9 ug/l

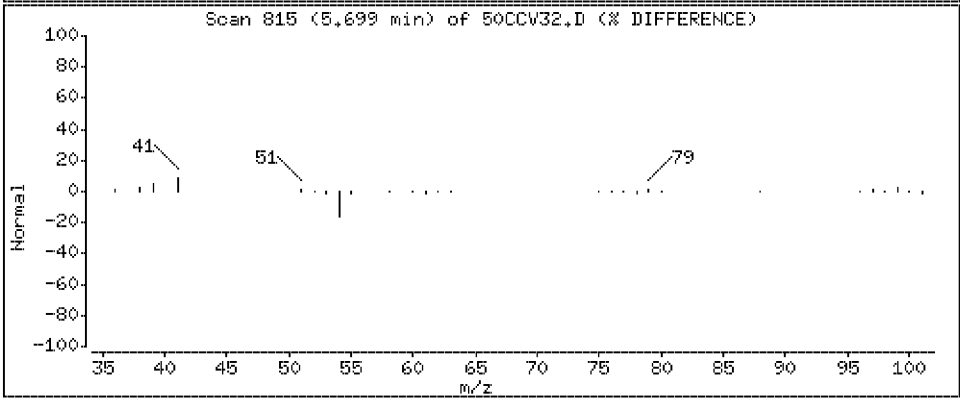












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

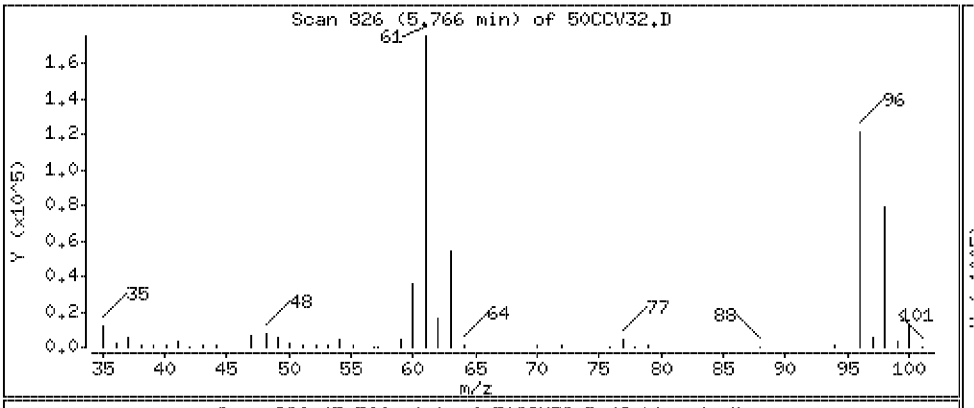
Operator:

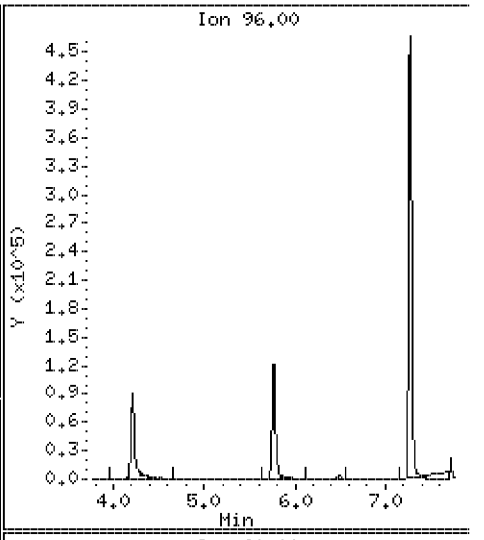
Column phase: DB-624

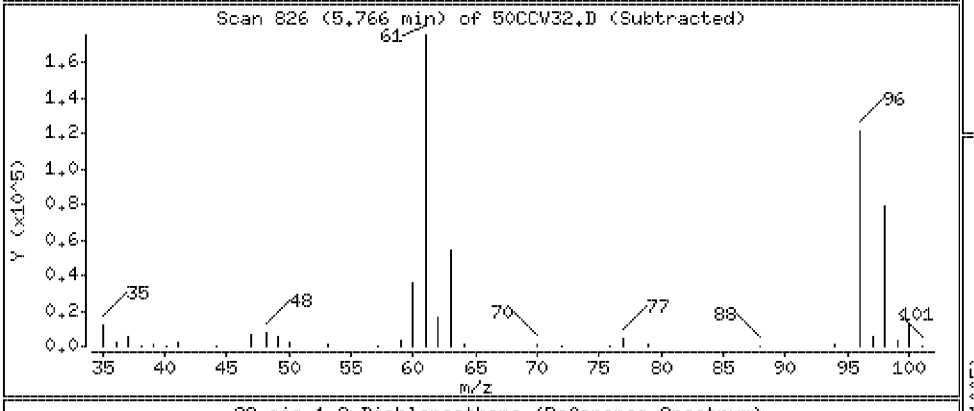
Column diameter: 0.18

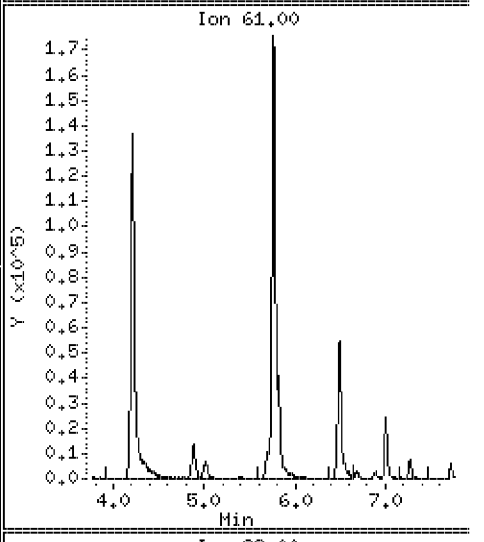
29 cis-1,2-Dichloroethene

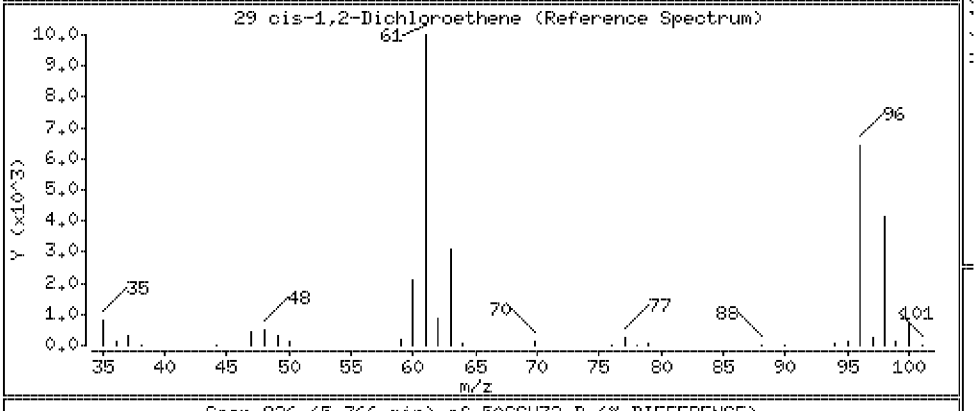
Concentration: 52.9 ug/l

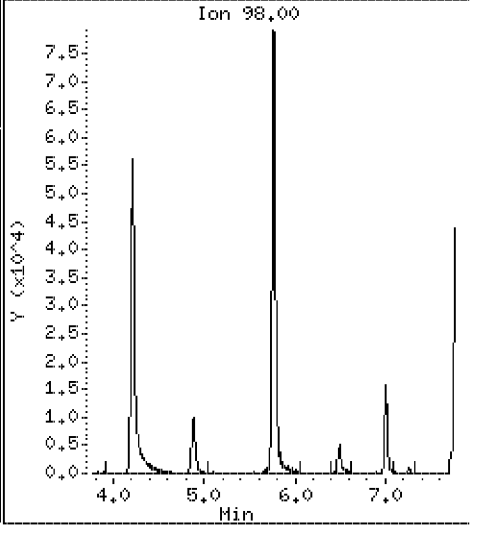


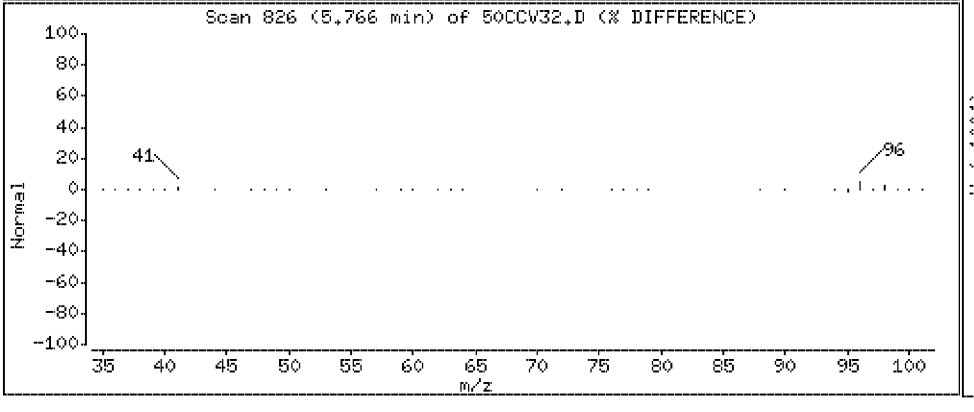












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

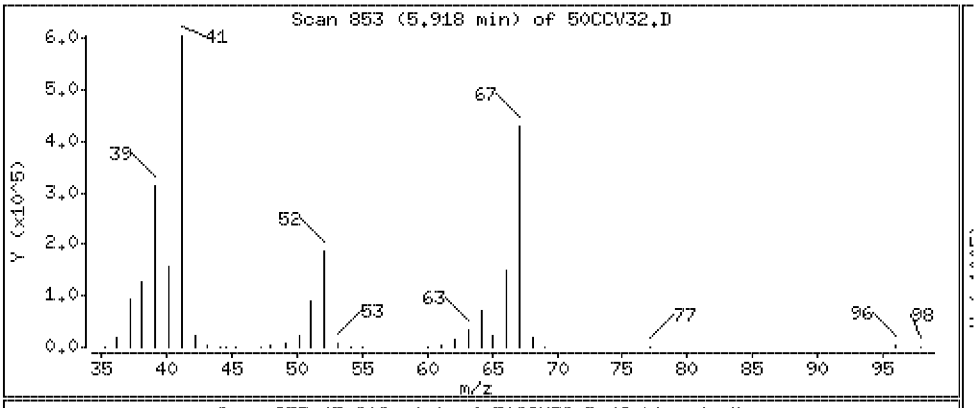
Operator:

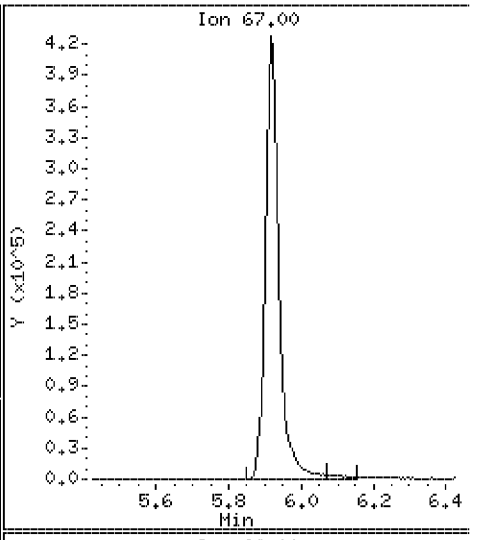
Column phase: DB-624

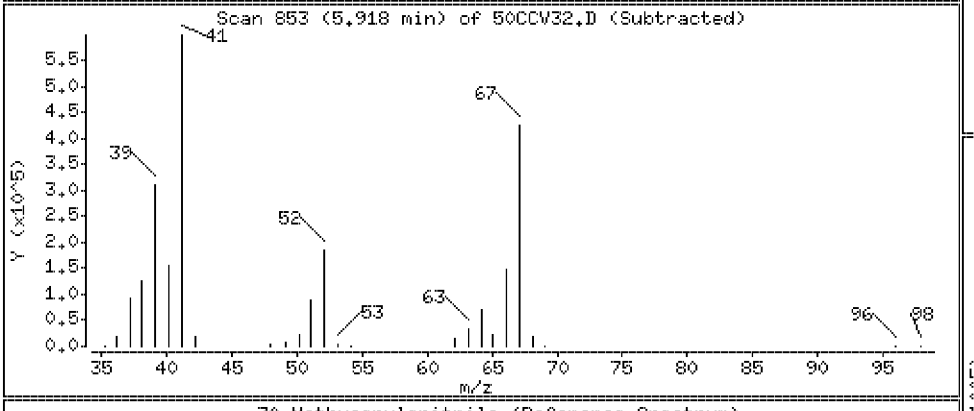
Column diameter: 0.18

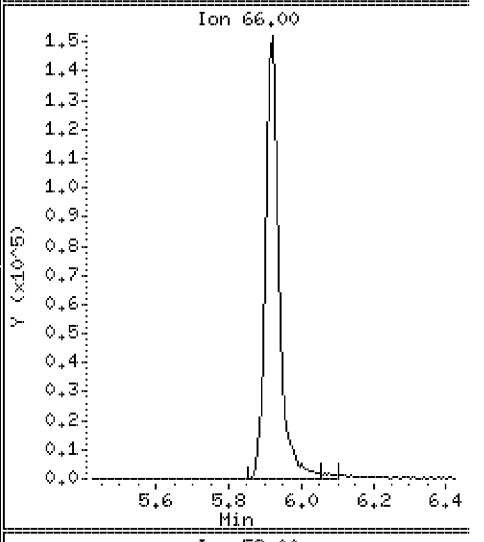
30 Methyacrylonitrile

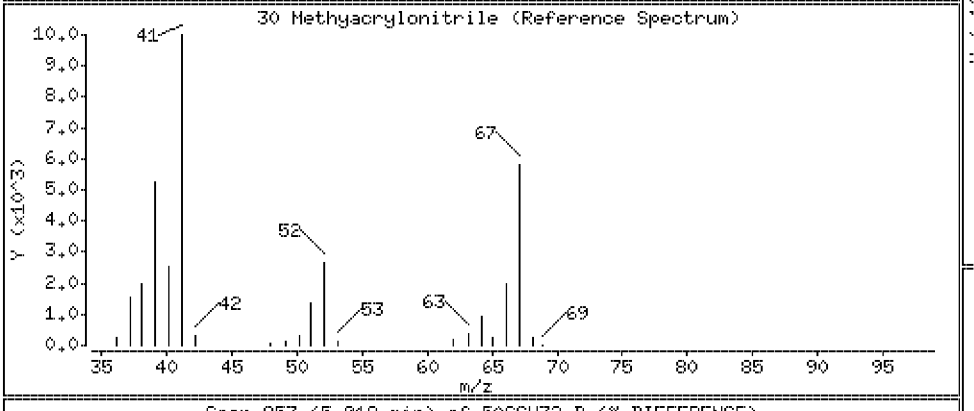
Concentration: 506 ug/l

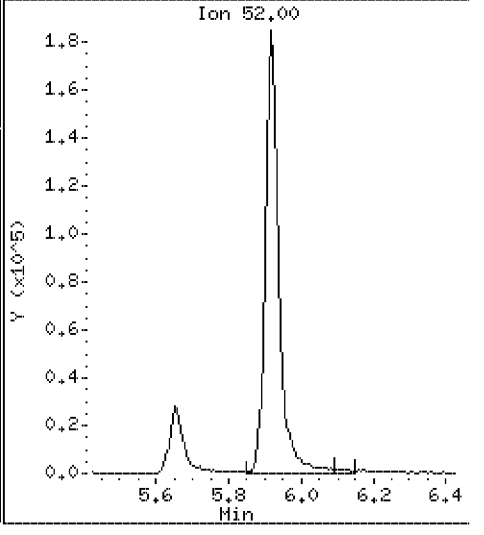


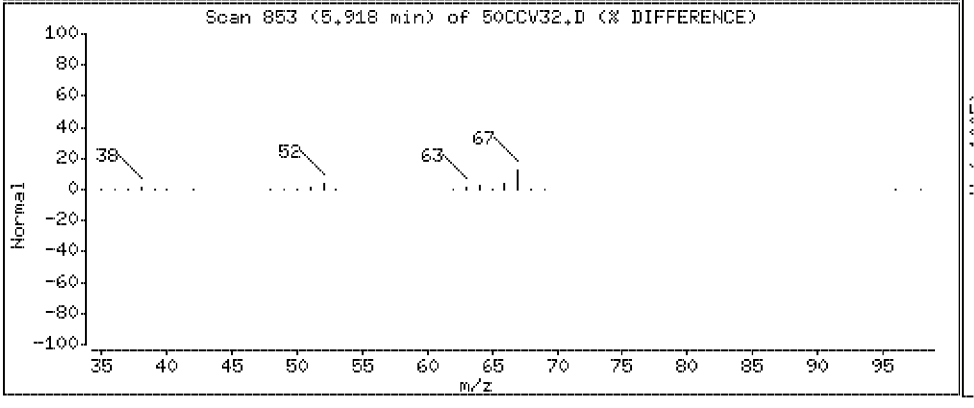












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

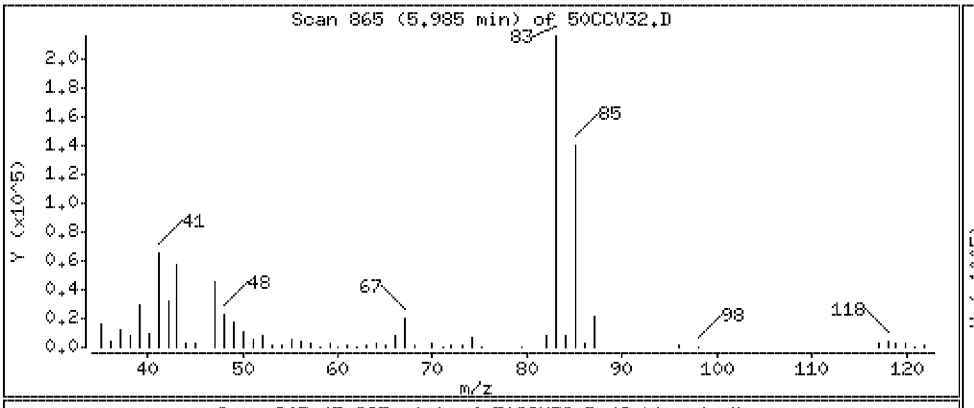
Operator:

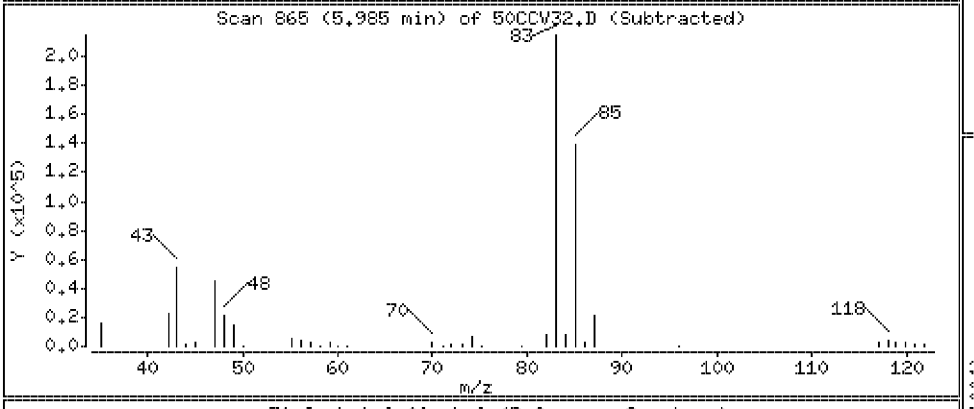
Column phase: DB-624

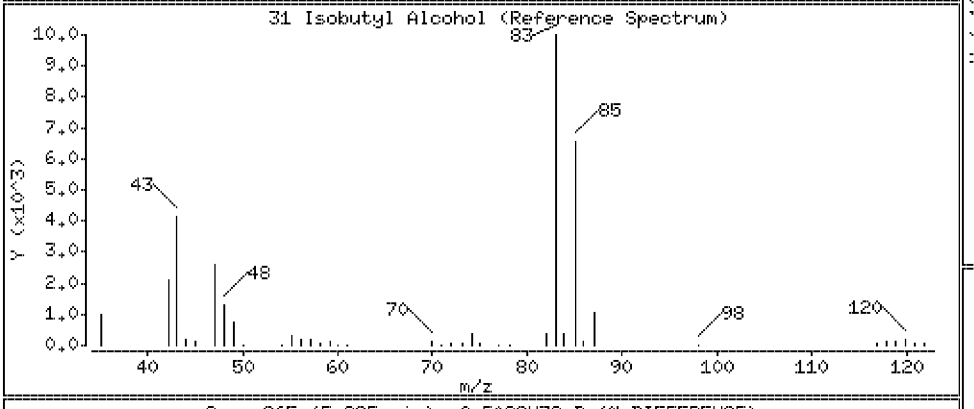
Column diameter: 0.18

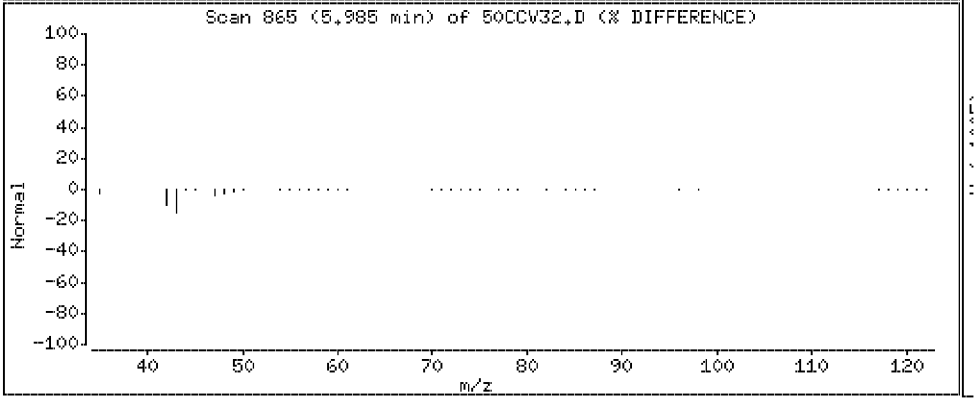
31 Isobutyl Alcohol

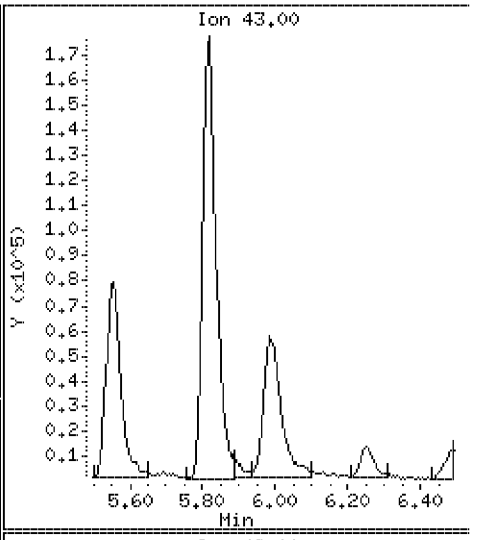
Concentration: 823 ug/l

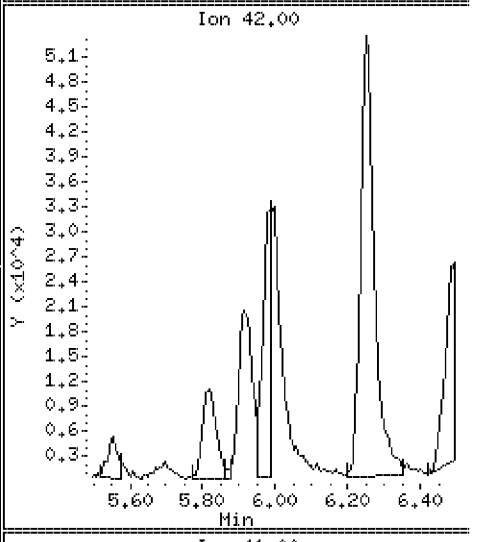


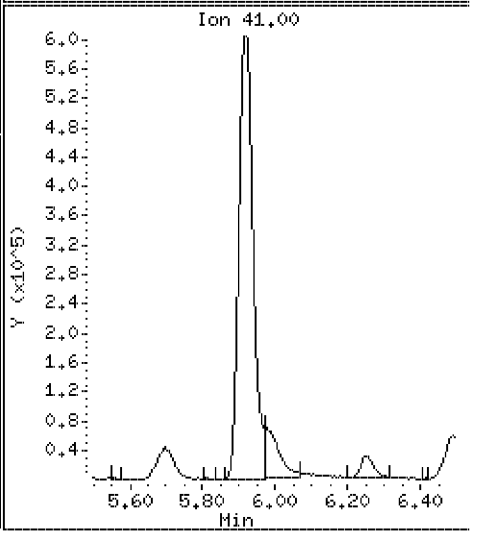












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

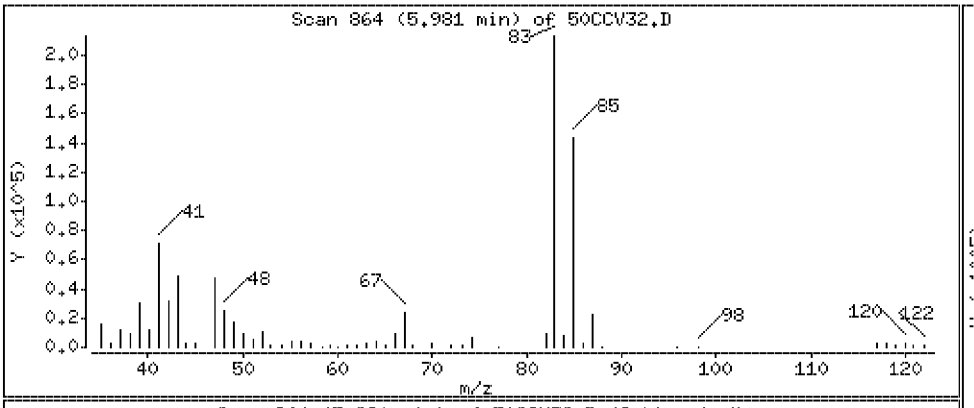
Operator:

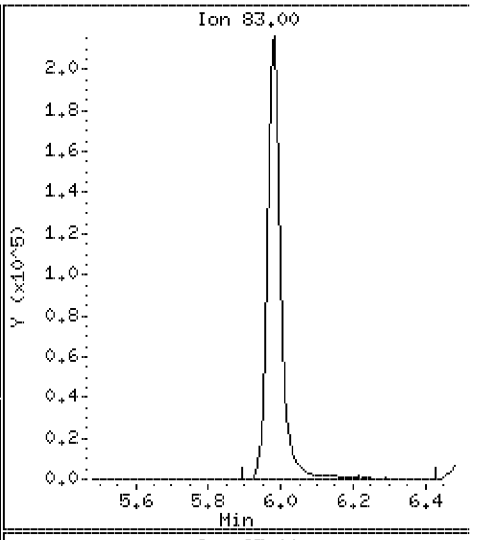
Column phase: DB-624

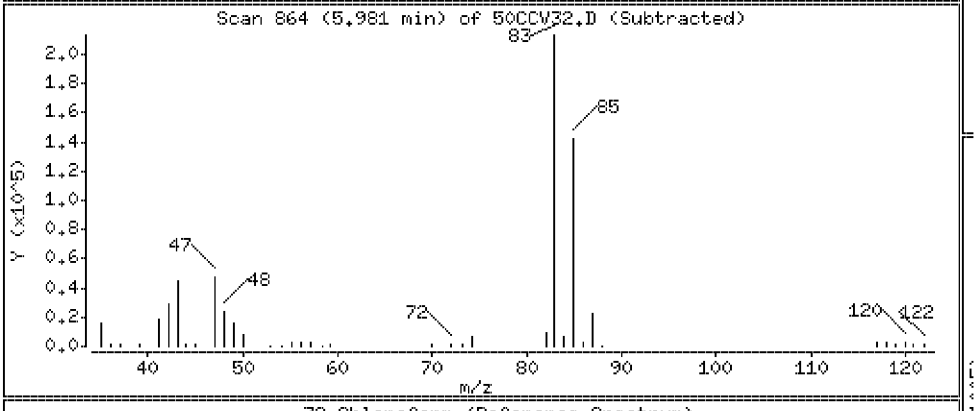
Column diameter: 0.18

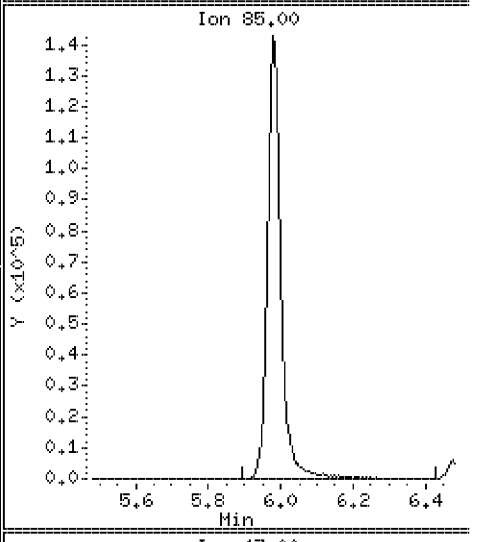
32 Chloroform

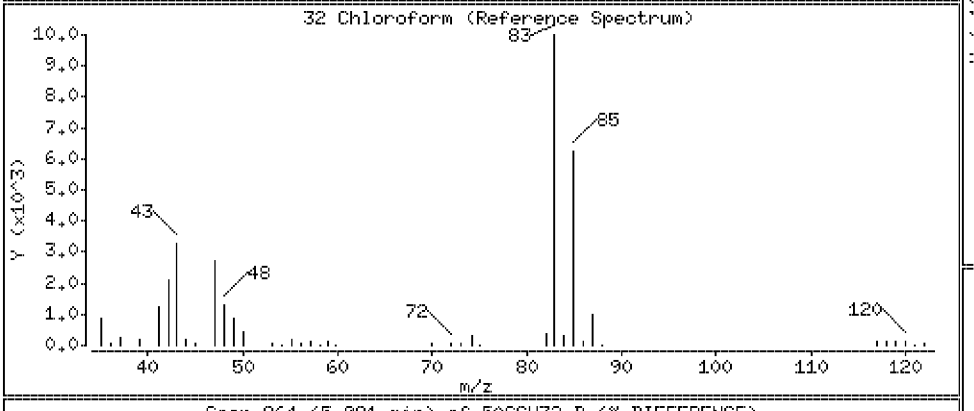
Concentration: 52.8 ug/l

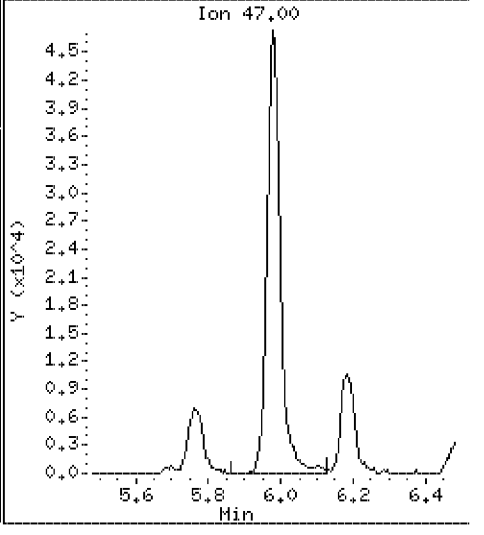


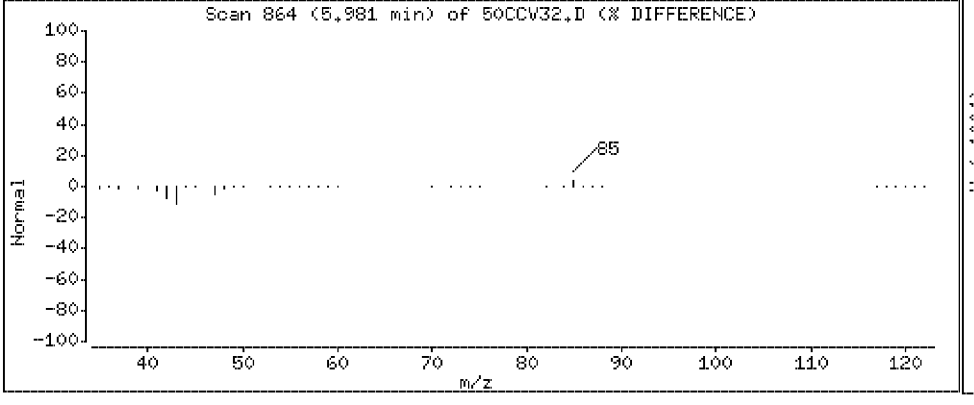












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

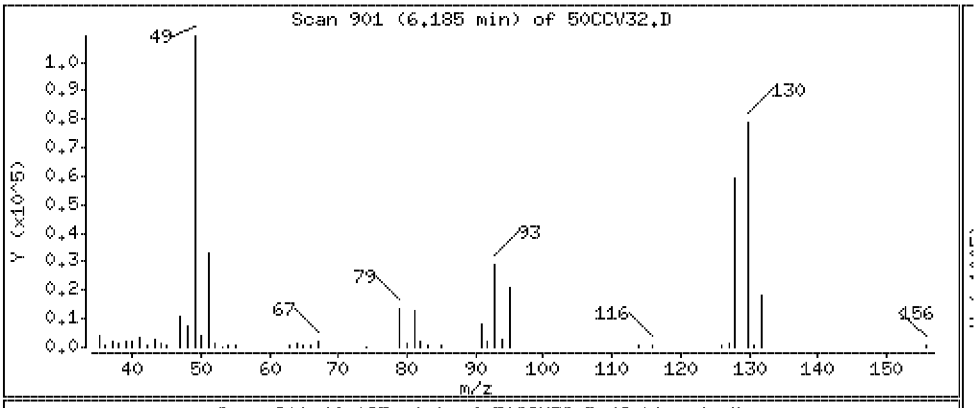
Operator:

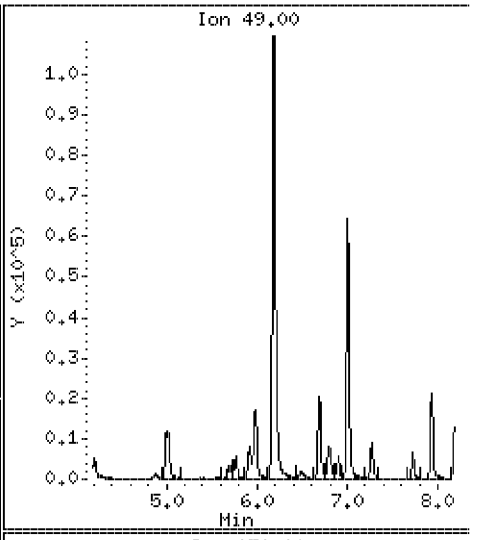
Column phase: DB-624

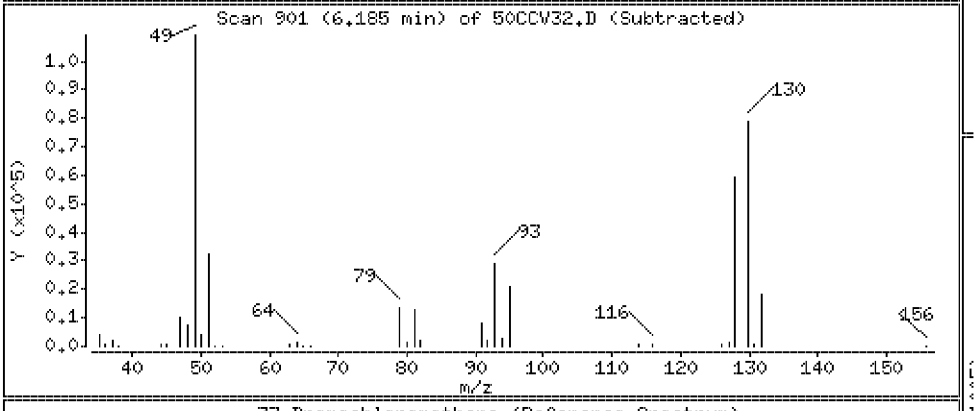
Column diameter: 0.18

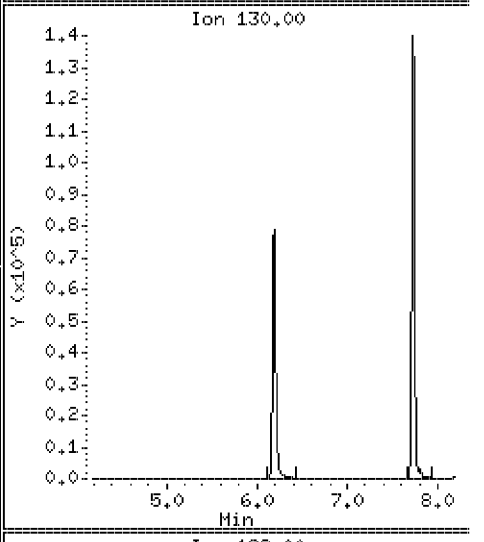
33 Bromochloromethane

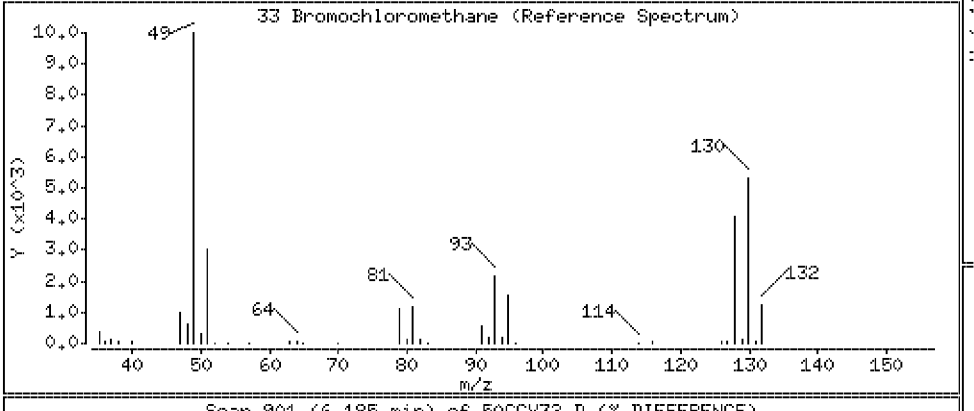
Concentration: 47.0 ug/l

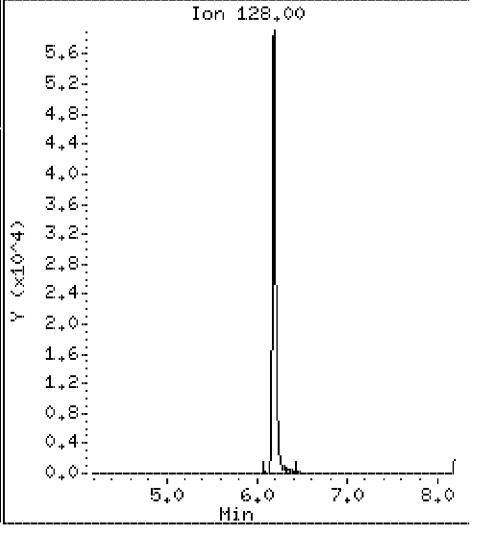


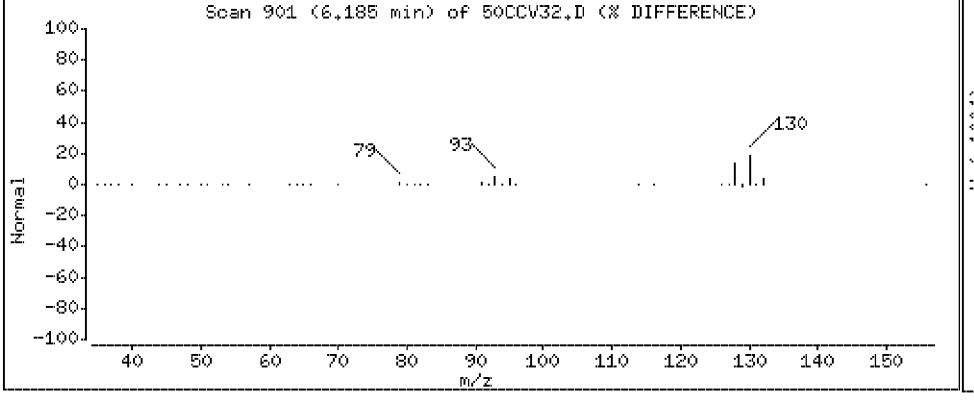












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

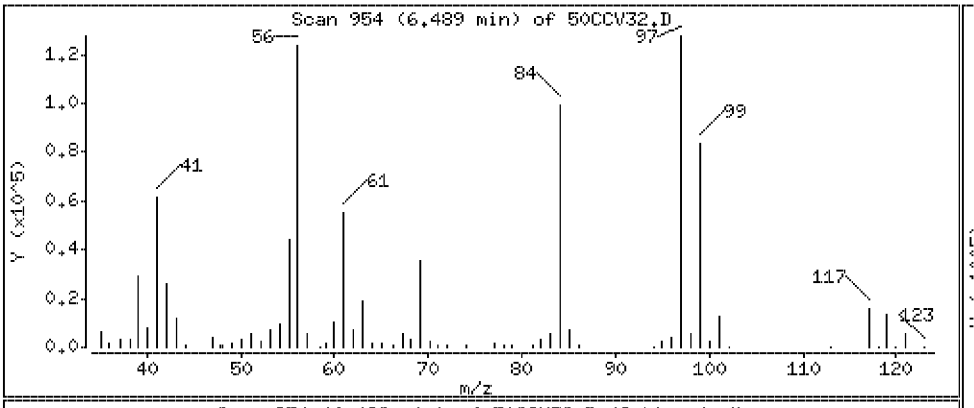
Operator:

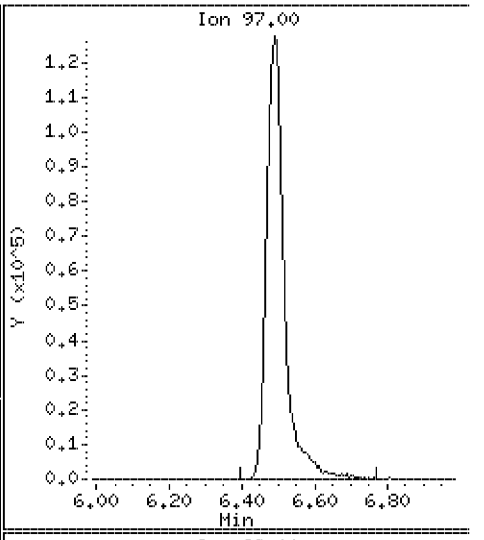
Column phase: DB-624

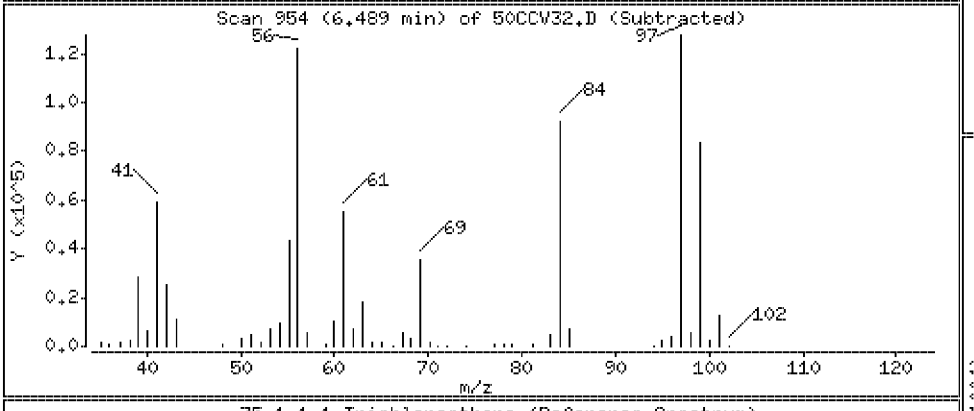
Column diameter: 0.18

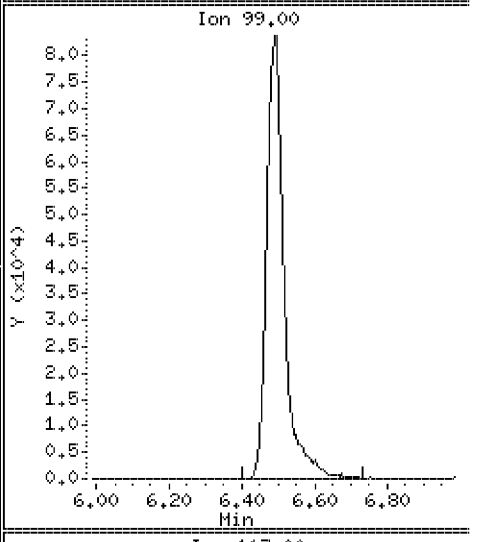
35 1,1,1-Trichloroethane

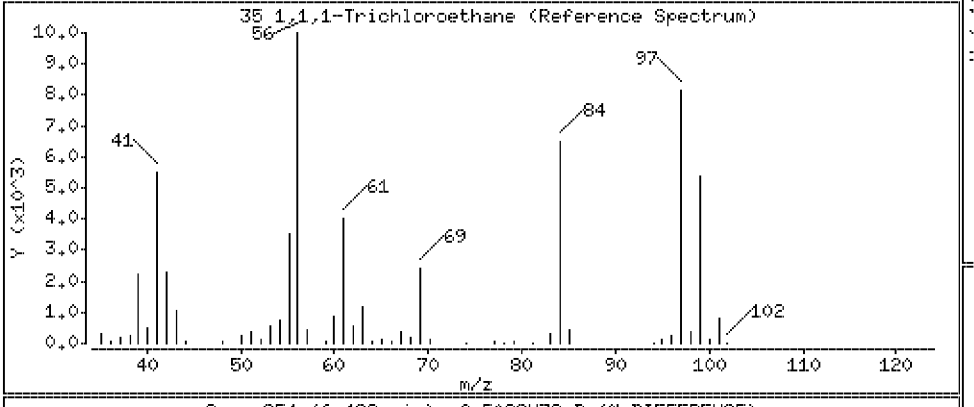
Concentration: 58.4 ug/l

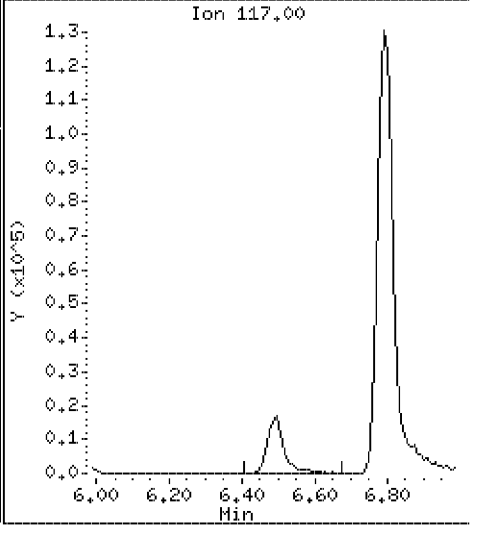


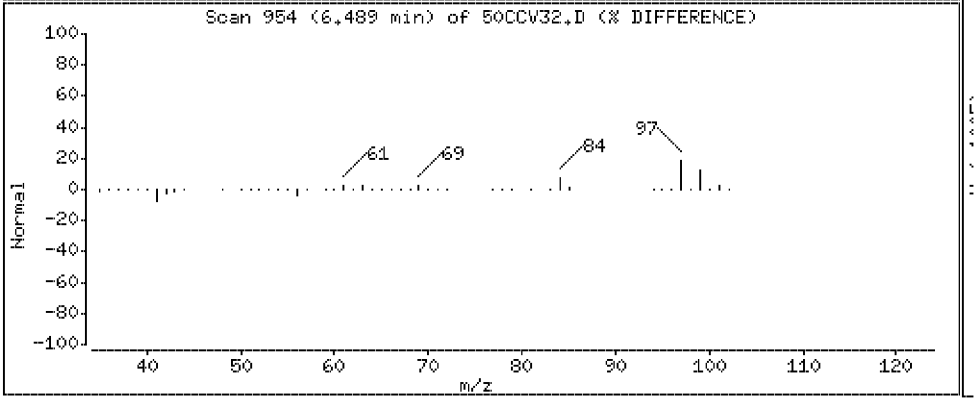












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

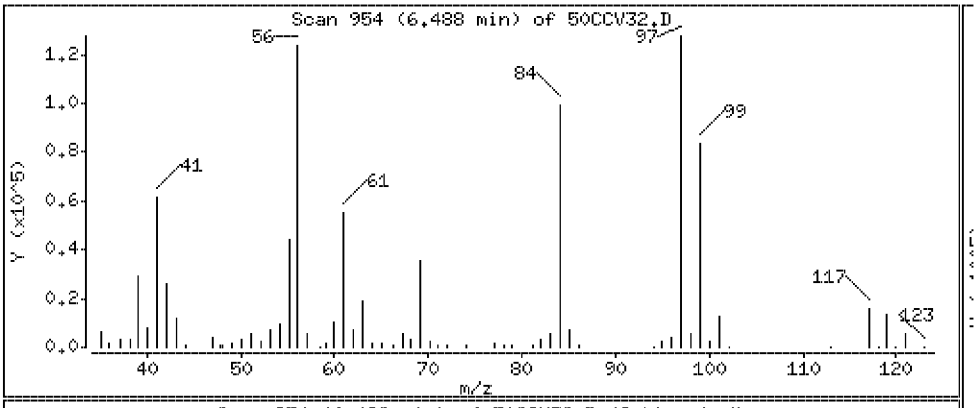
Operator:

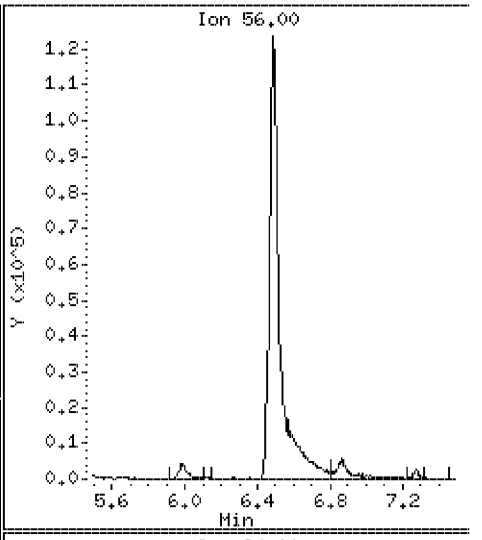
Column phase: DB-624

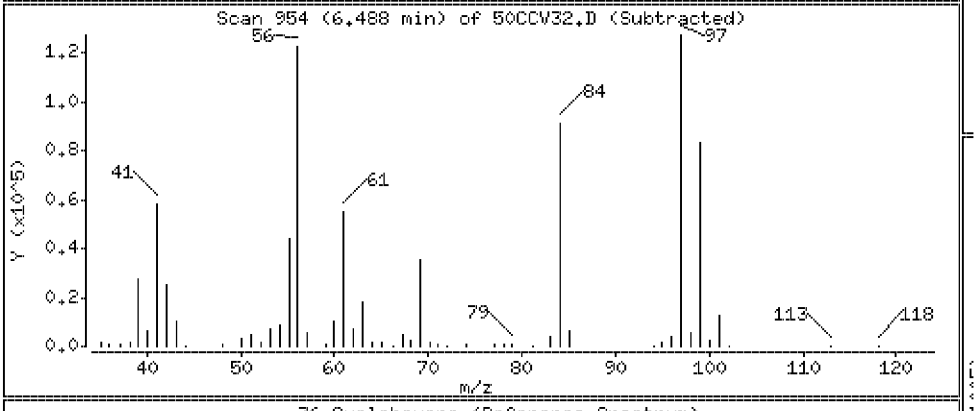
Column diameter: 0.18

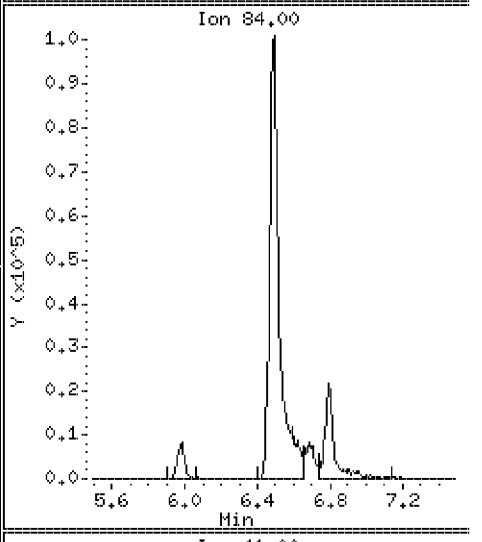
36 Cyclohexane

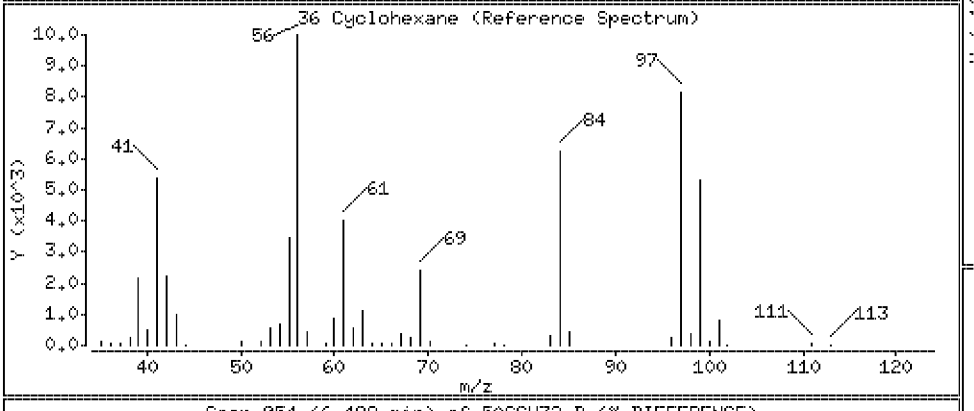
Concentration: 46.9 ug/l

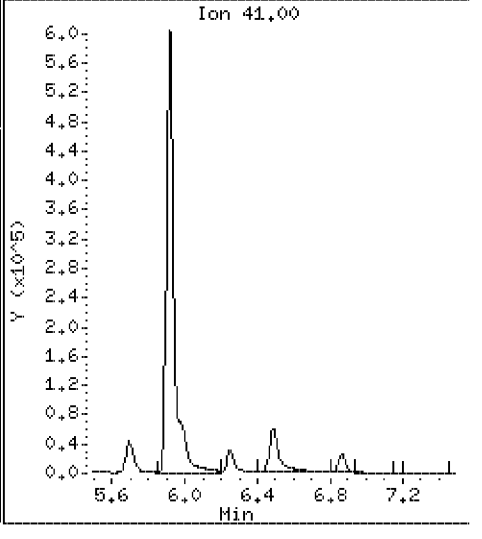


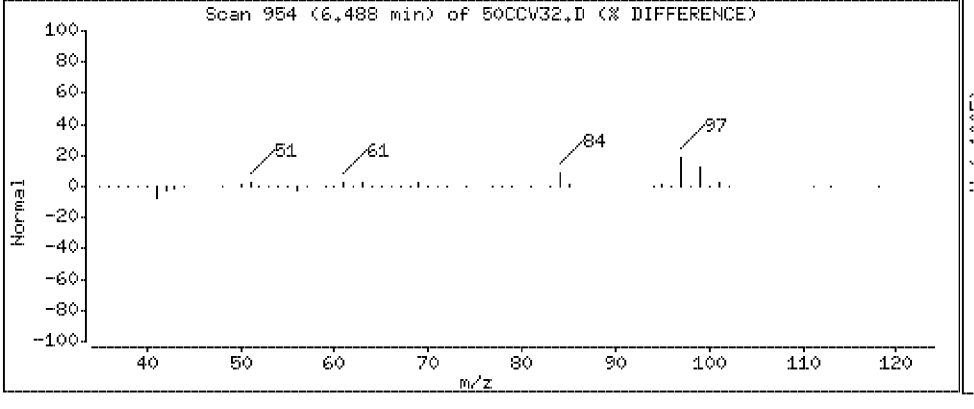












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

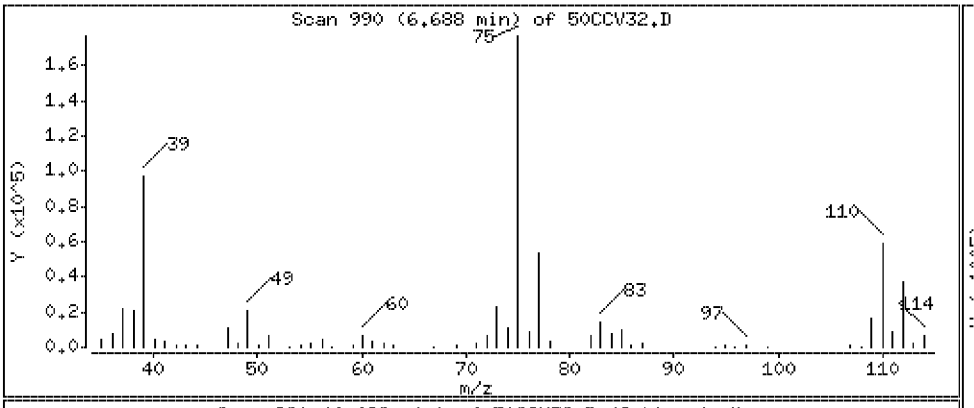
Operator:

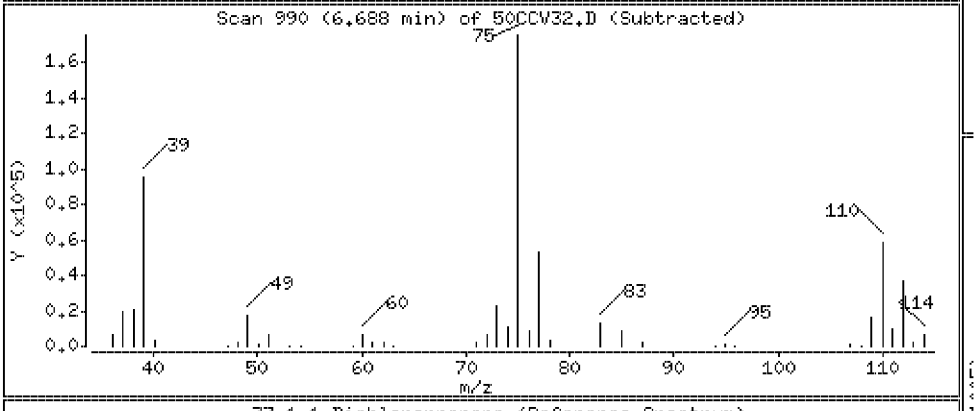
Column phase: DB-624

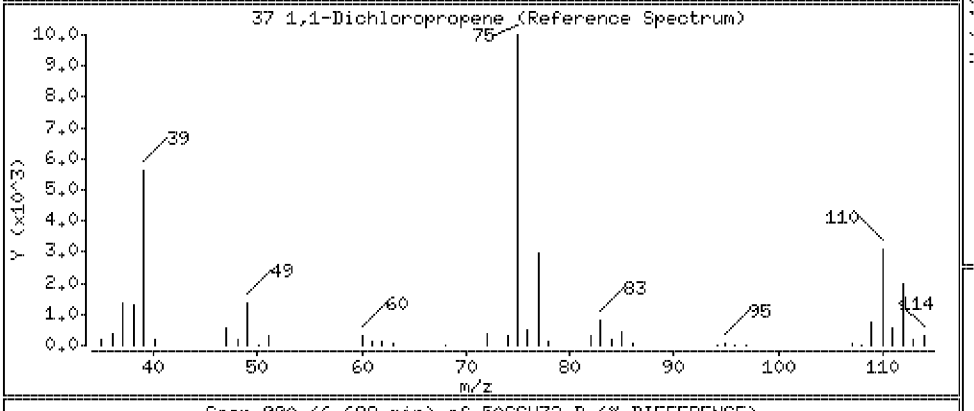
Column diameter: 0.18

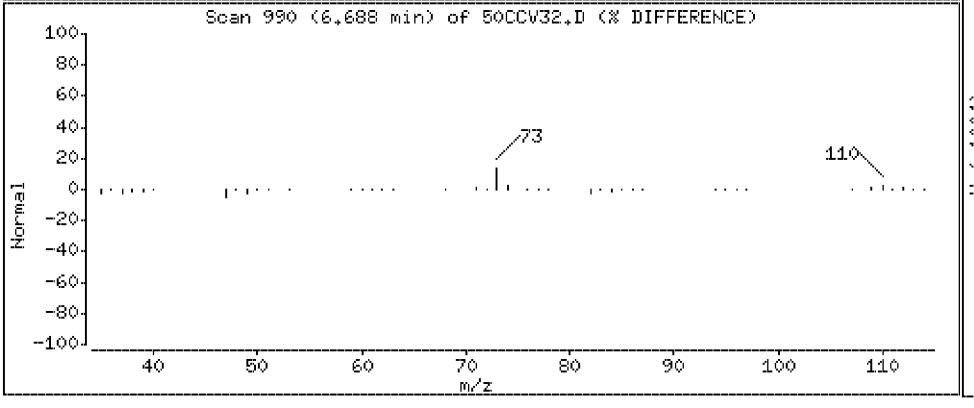
37 1,1-Dichloropropene

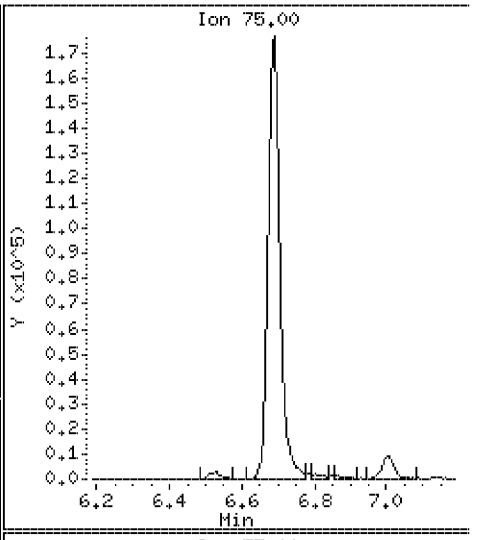
Concentration: 52.3 ug/l

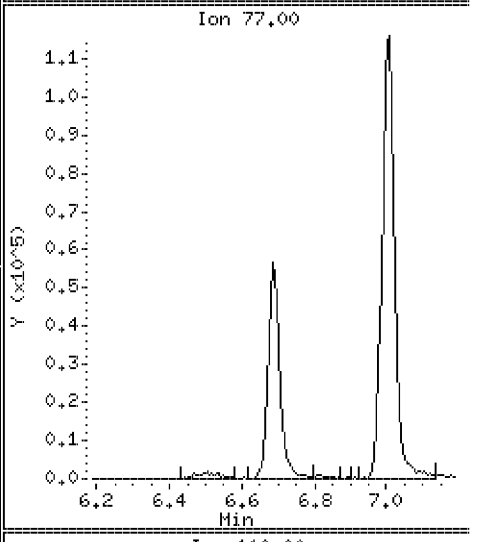


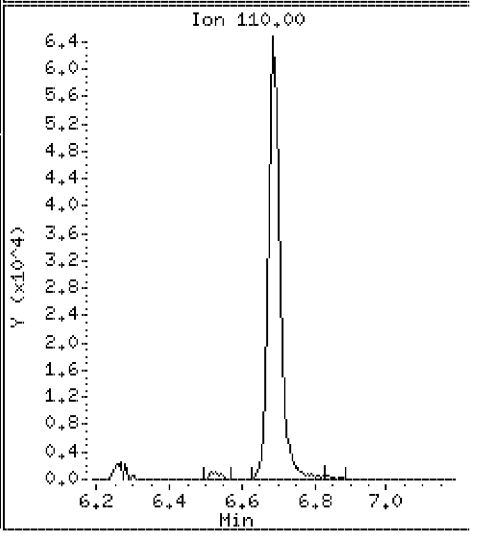












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

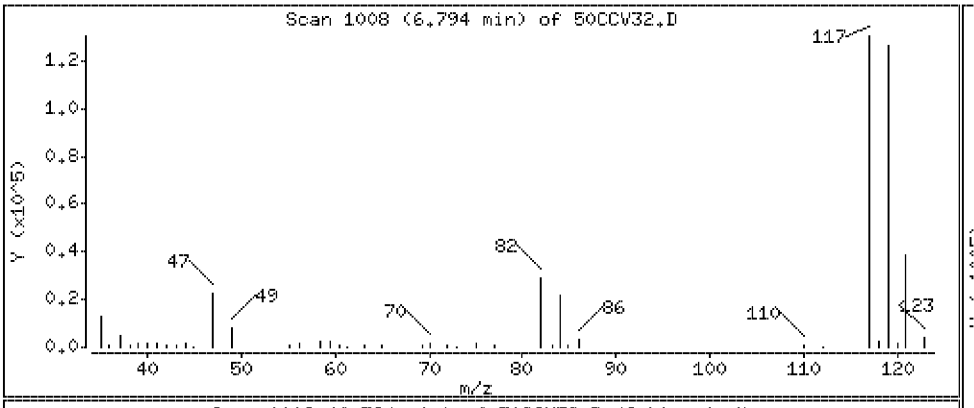
Operator:

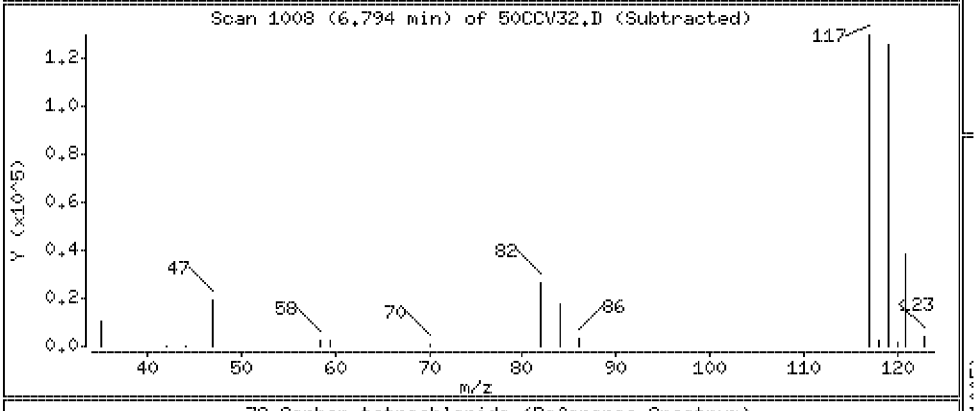
Column phase: DB-624

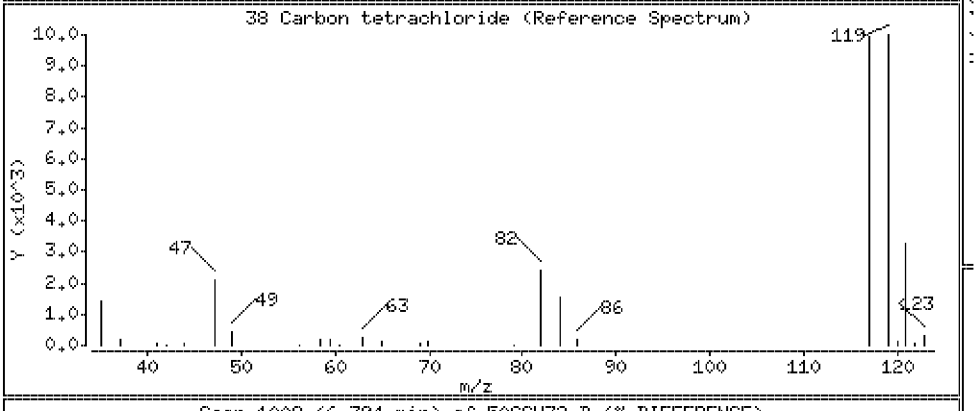
Column diameter: 0.18

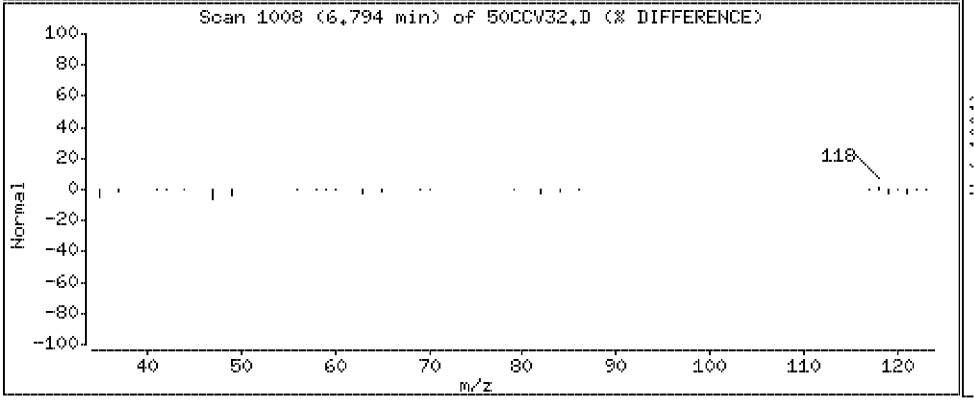
38 Carbon tetrachloride

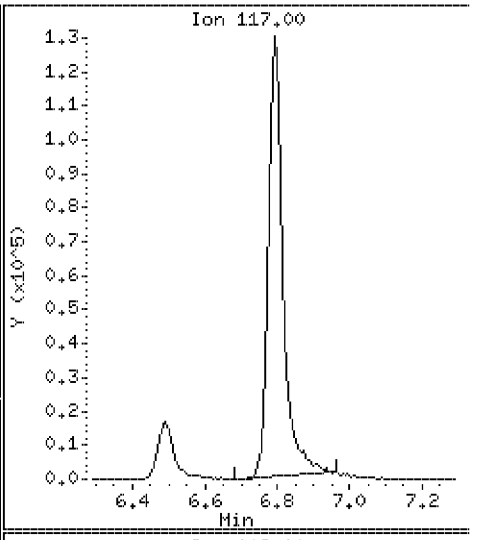
Concentration: 57.0 ug/l

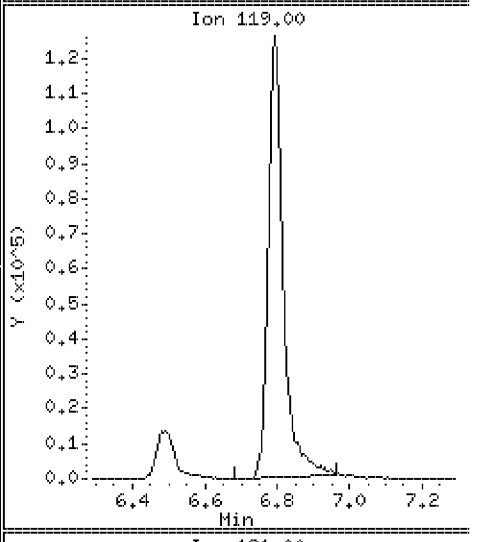


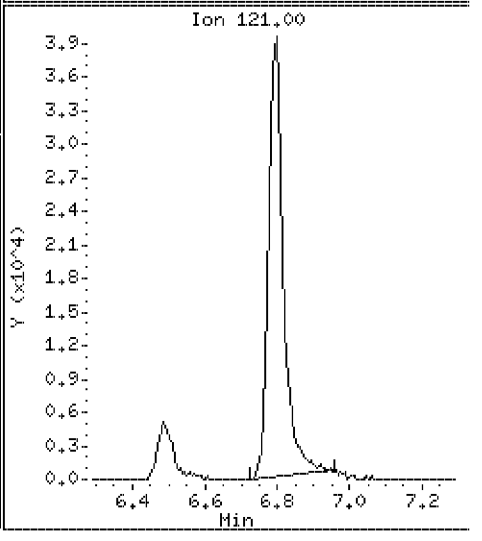












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

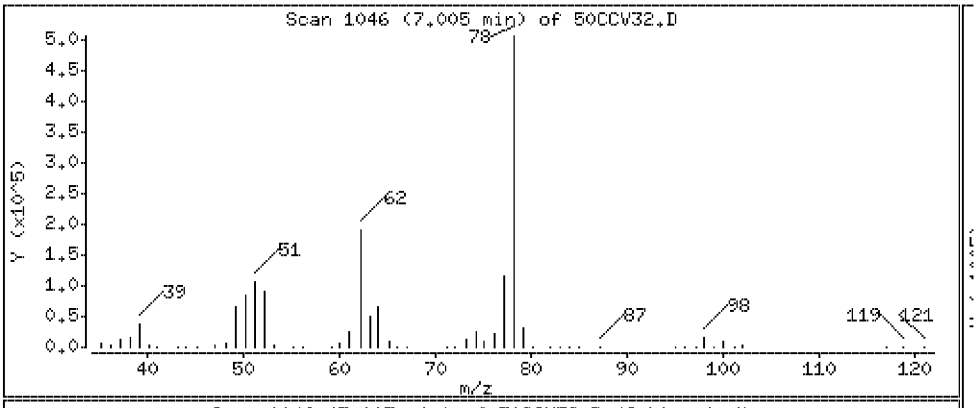
Operator:

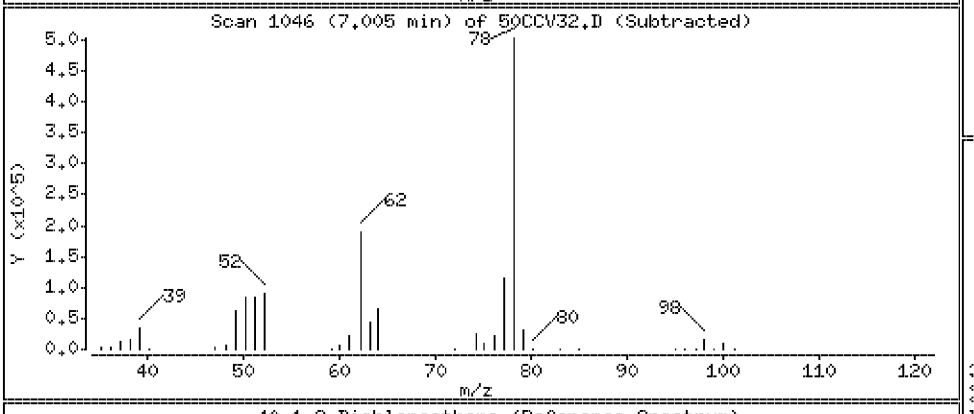
Column phase: DB-624

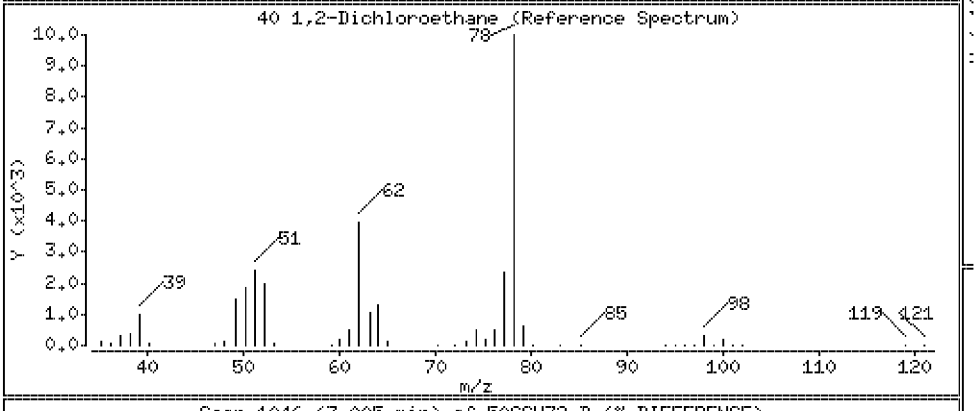
Column diameter: 0.18

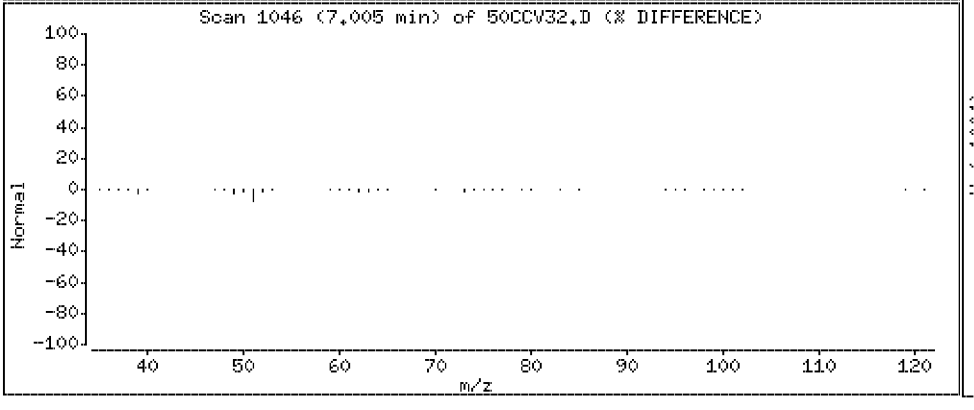
40 1,2-Dichloroethane

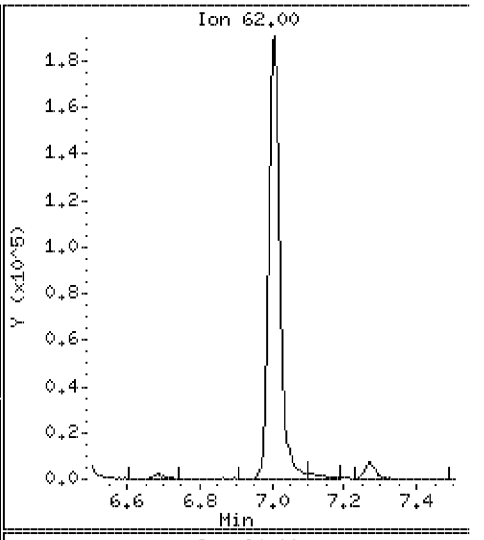
Concentration: 52.1 ug/l

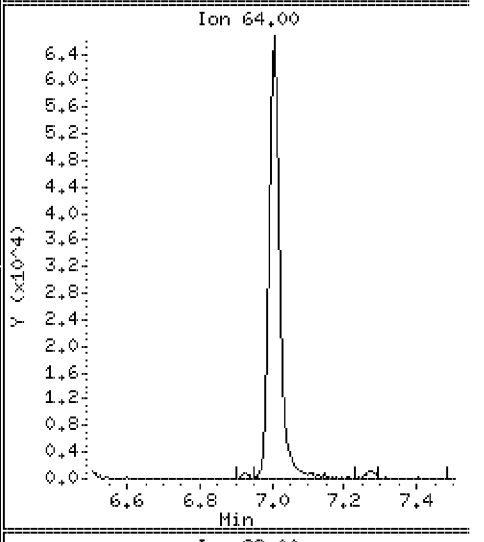


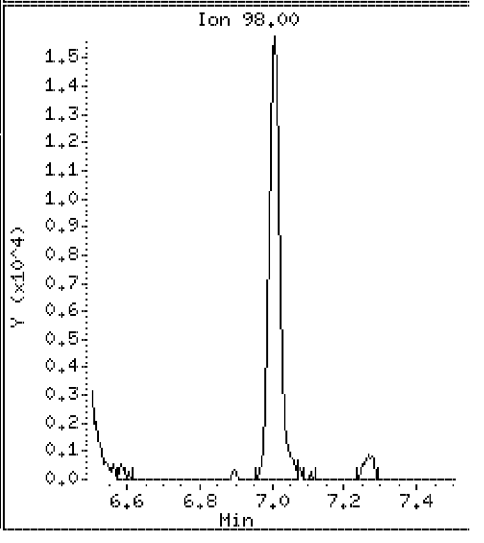












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

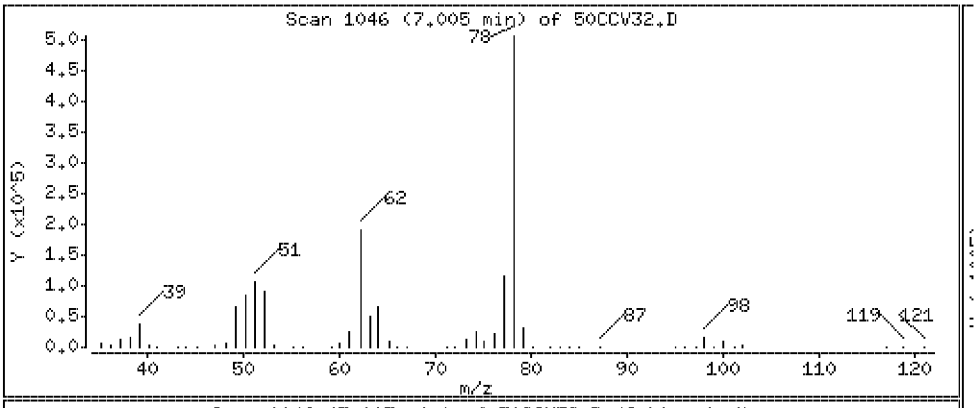
Operator:

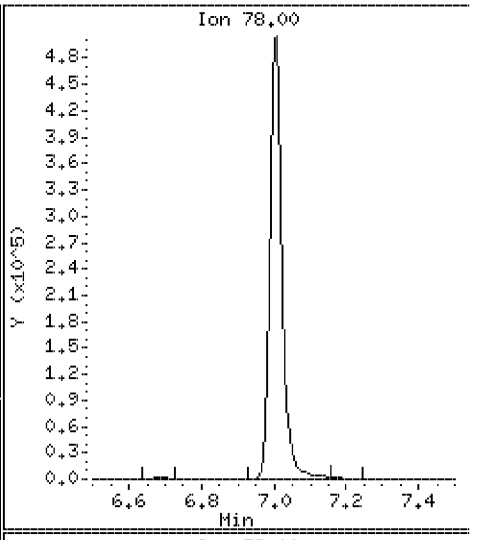
Column phase: DB-624

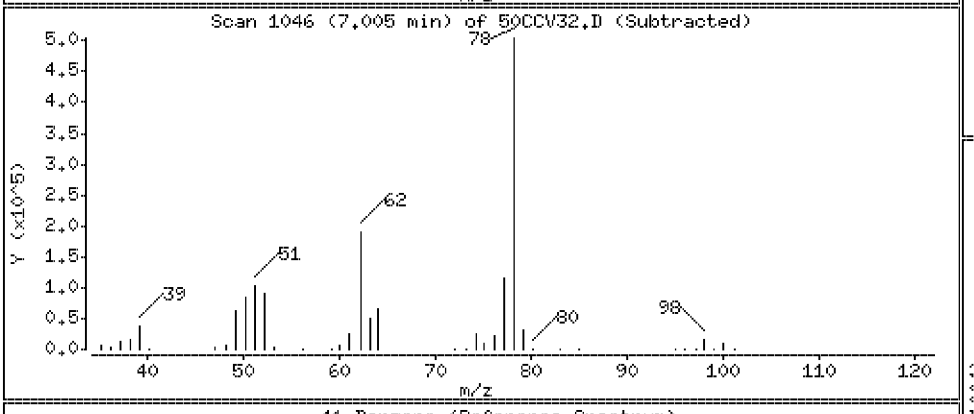
Column diameter: 0.18

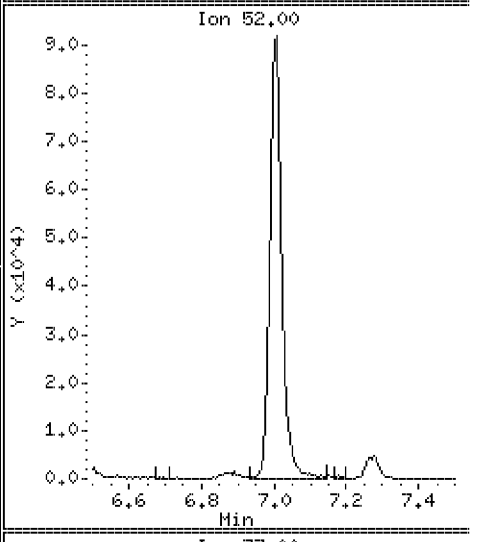
41 Benzene

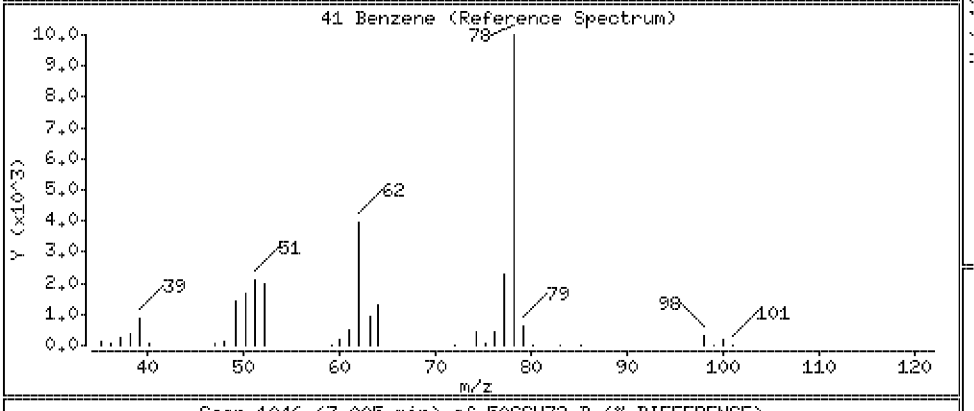
Concentration: 49.4 ug/l

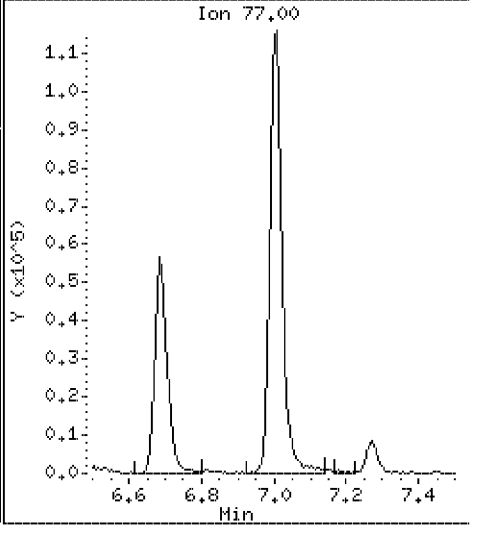


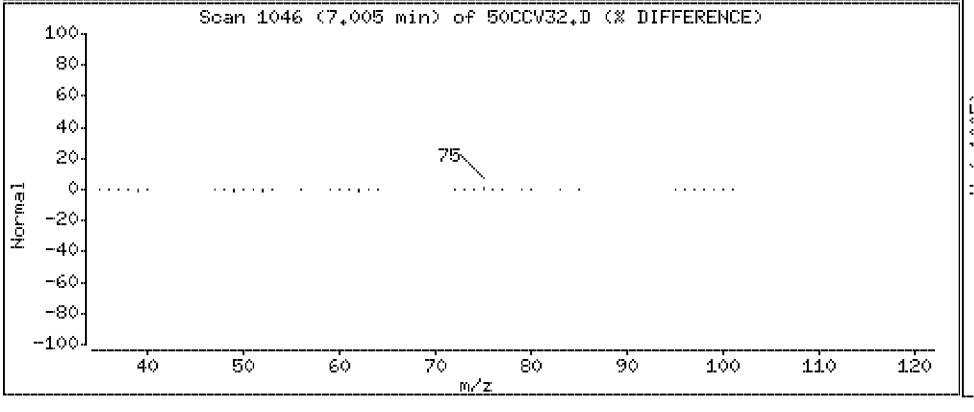












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

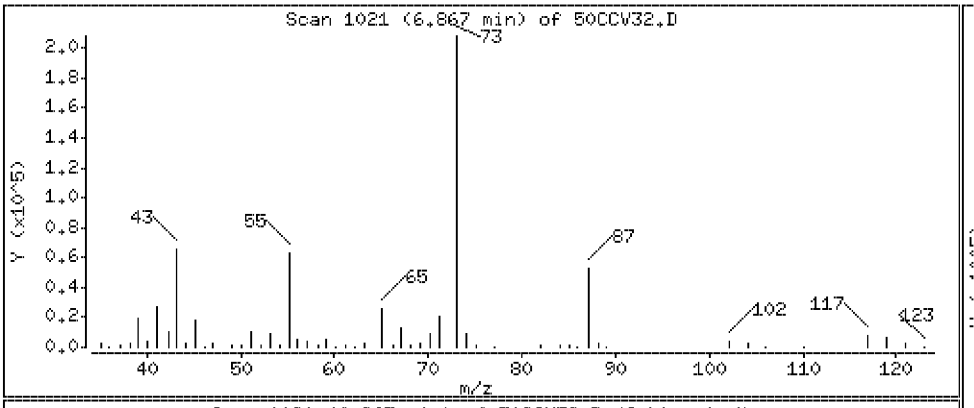
Operator:

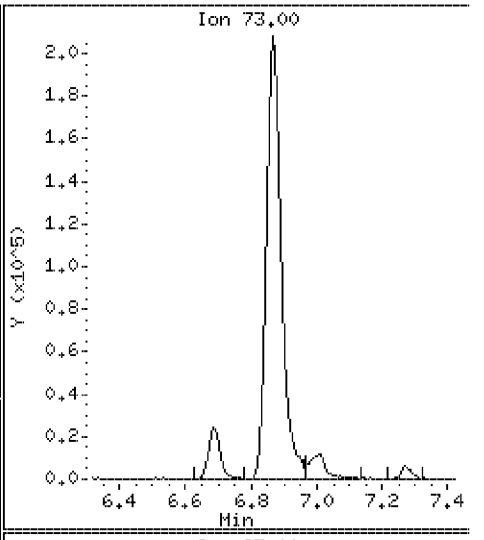
Column phase: DB-624

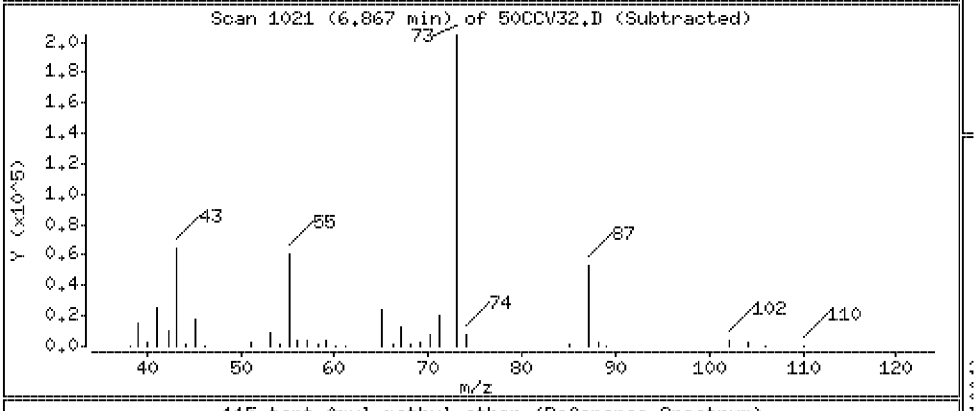
Column diameter: 0.18

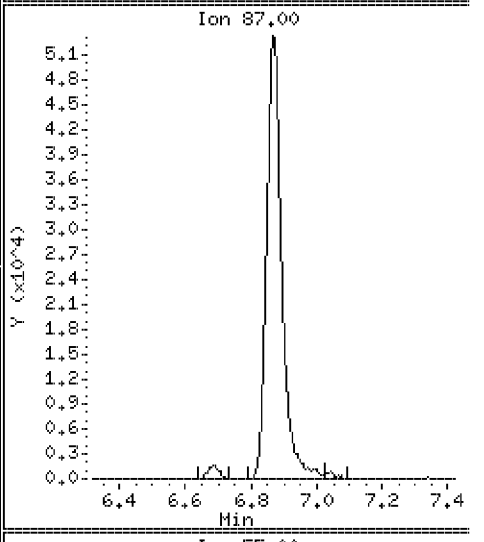
115 tert-Amyl-methyl ether

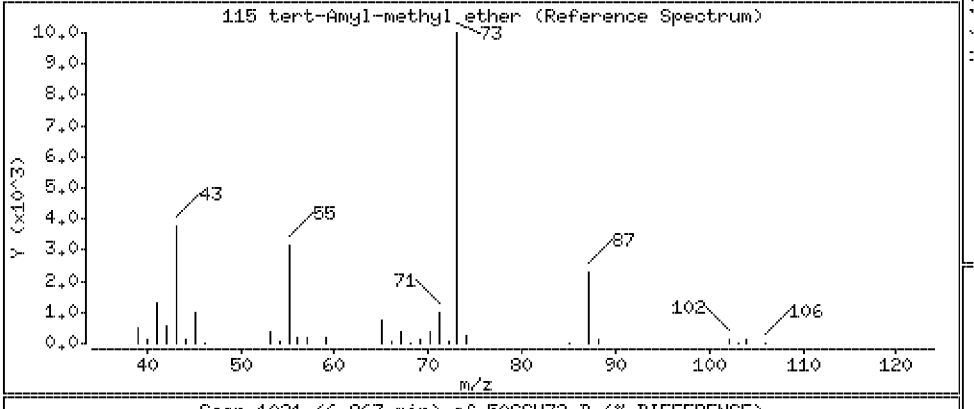
Concentration: 41.1 ug/l

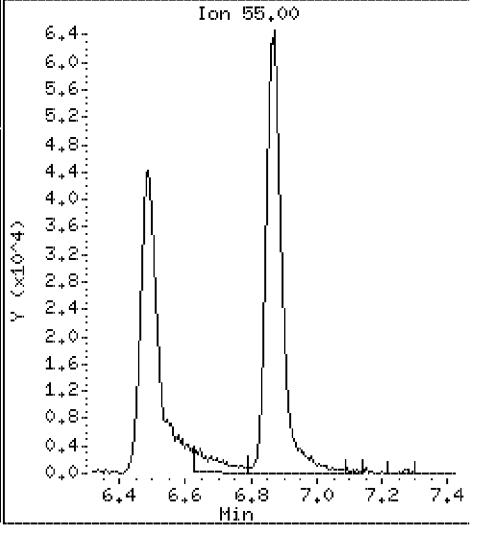


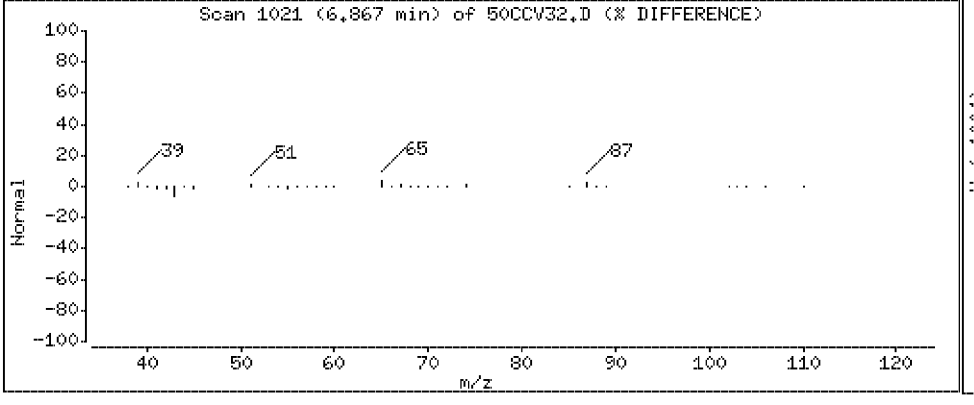












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

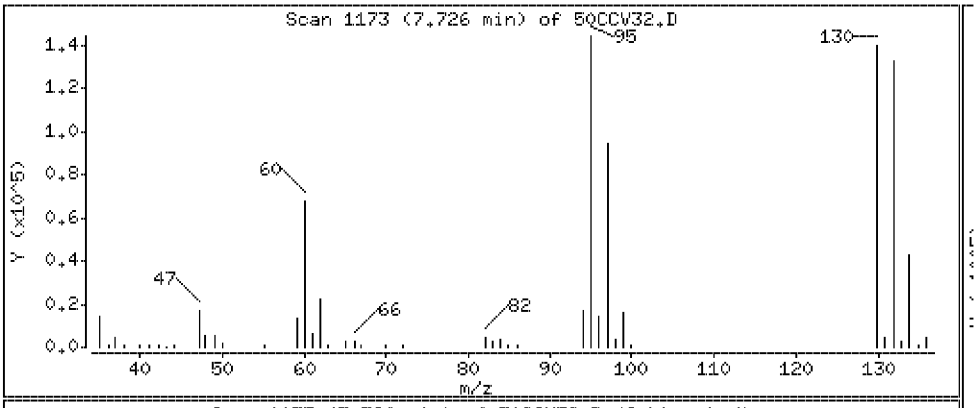
Operator:

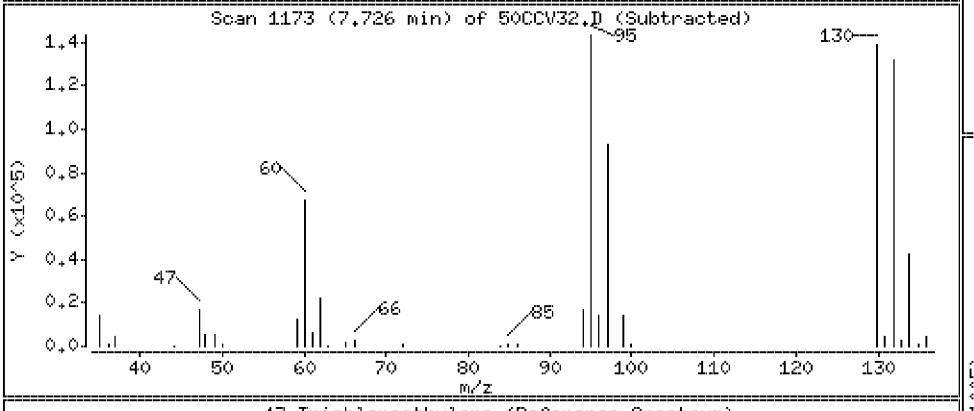
Column phase: DB-624

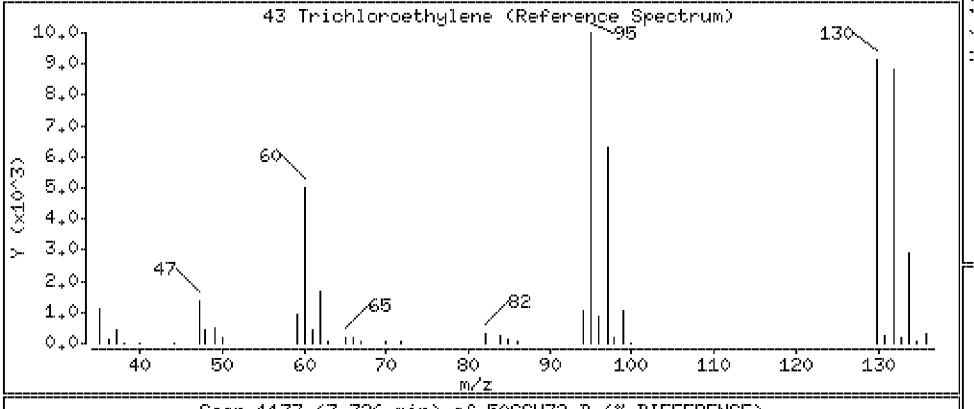
Column diameter: 0.18

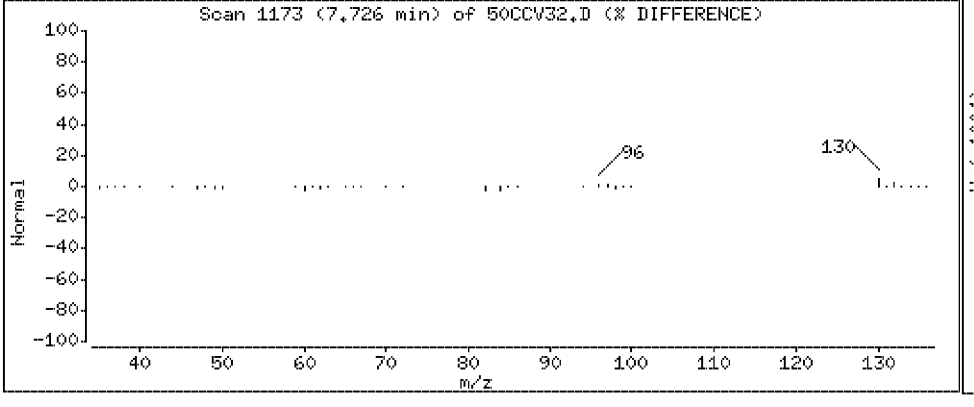
43 Trichloroethylene

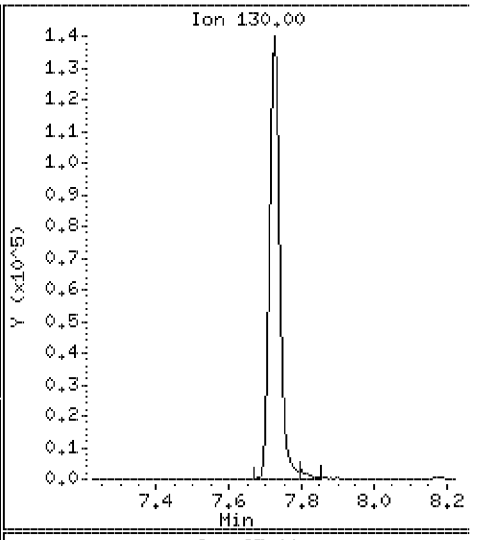
Concentration: 51.8 ug/l

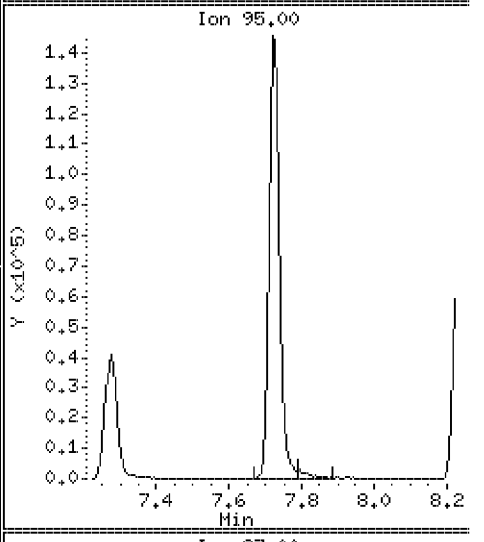


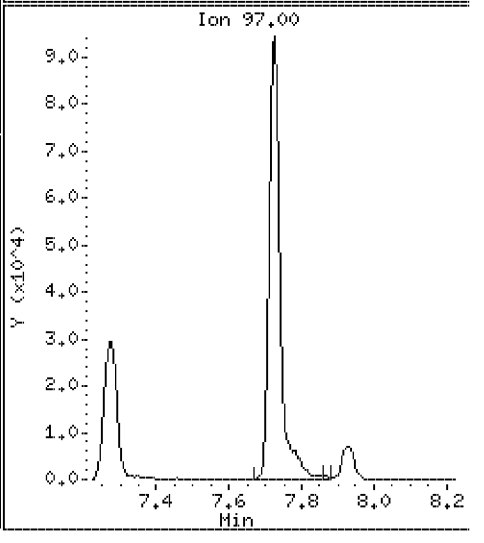












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

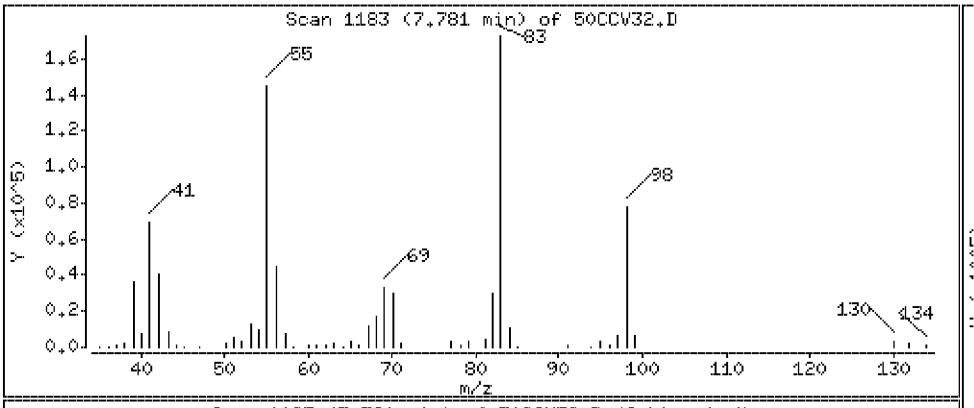
Operator:

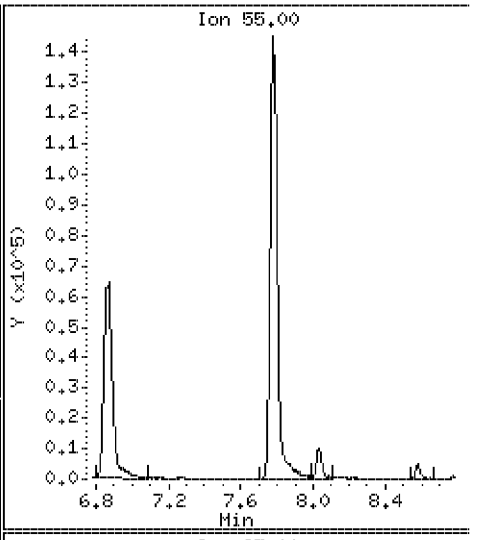
Column phase: DB-624

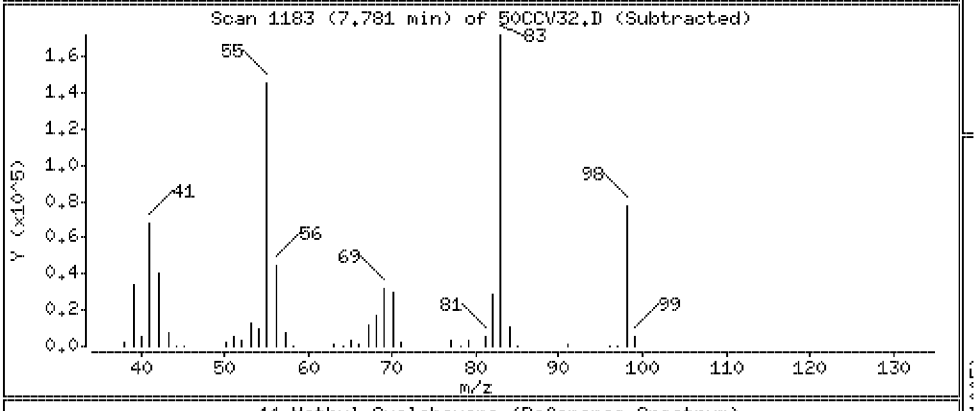
Column diameter: 0.18

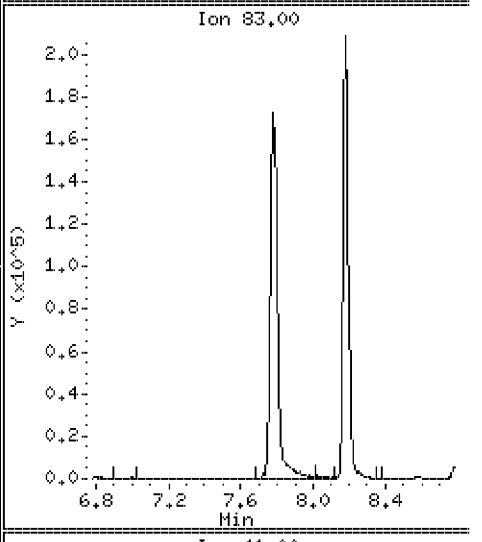
44 Methyl Cyclohexane

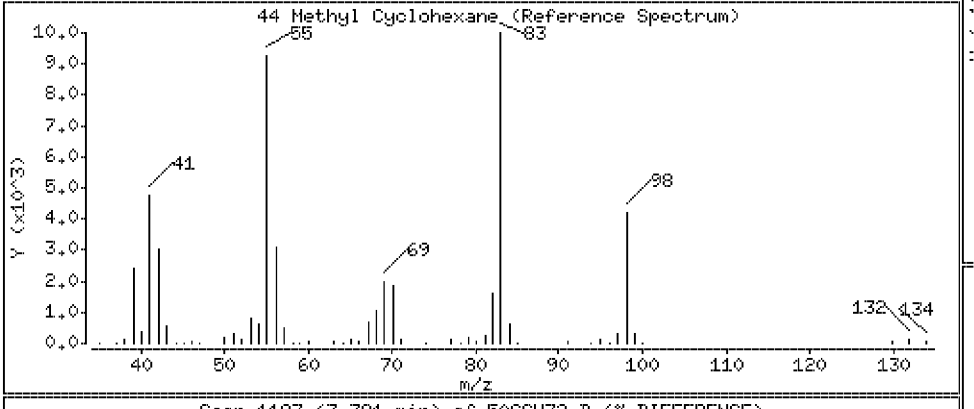
Concentration: 48.6 ug/l

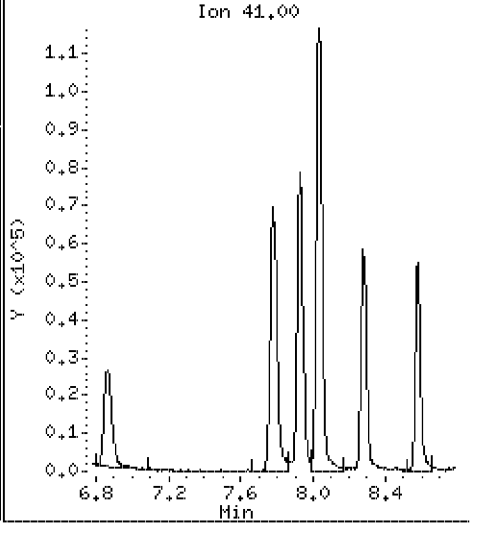


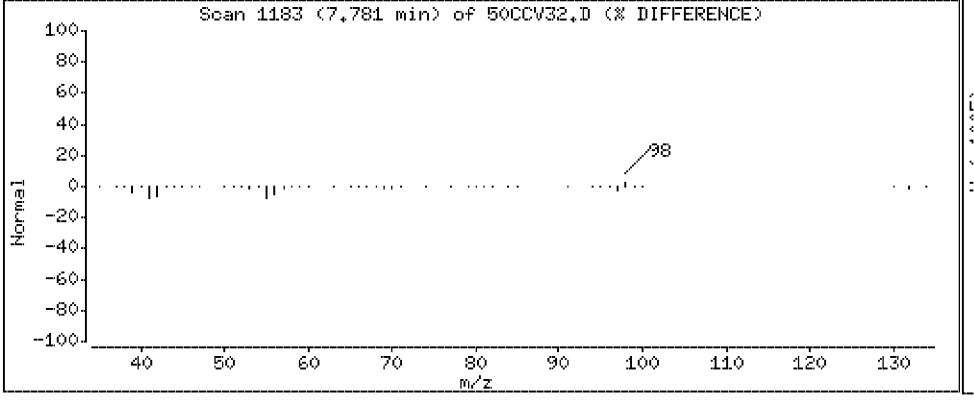












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

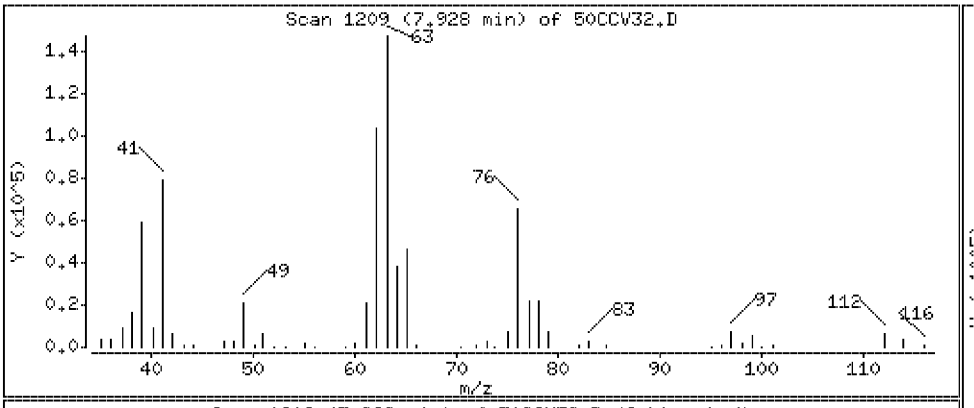
Operator:

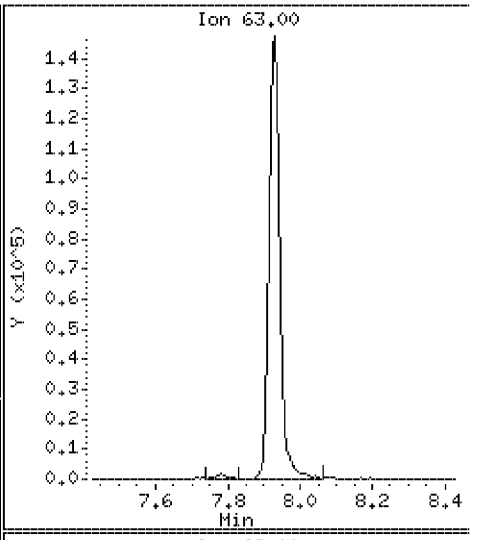
Column phase: DB-624

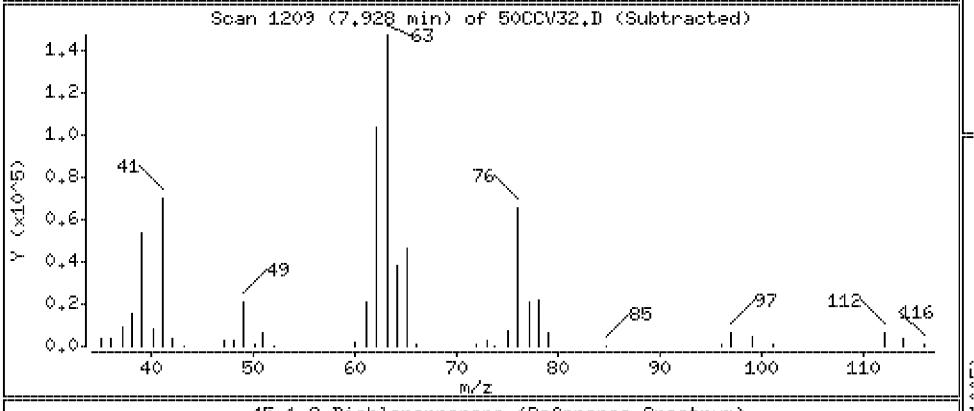
Column diameter: 0.18

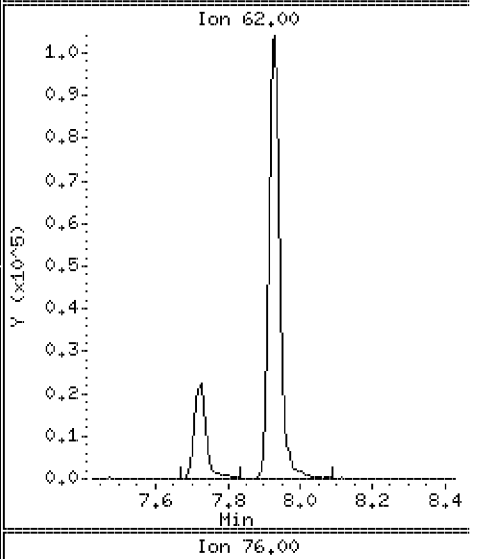
45 1,2-Dichloropropane

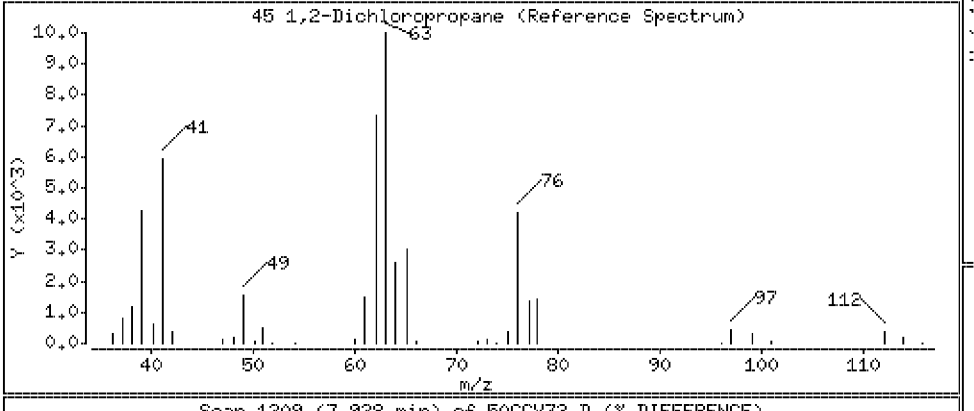
Concentration: 47.0 ug/l

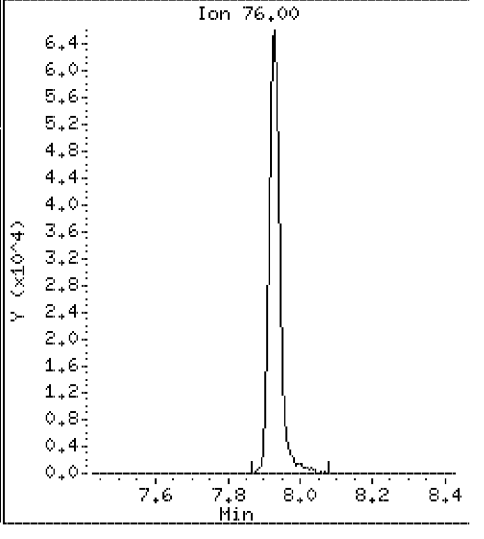


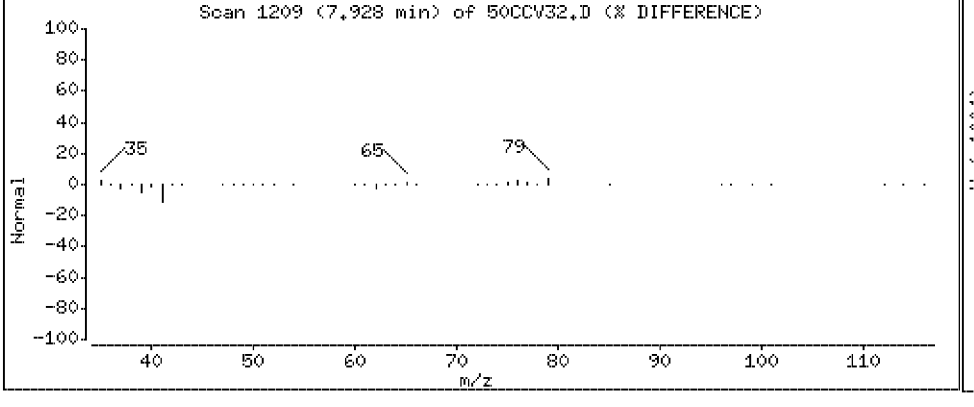












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

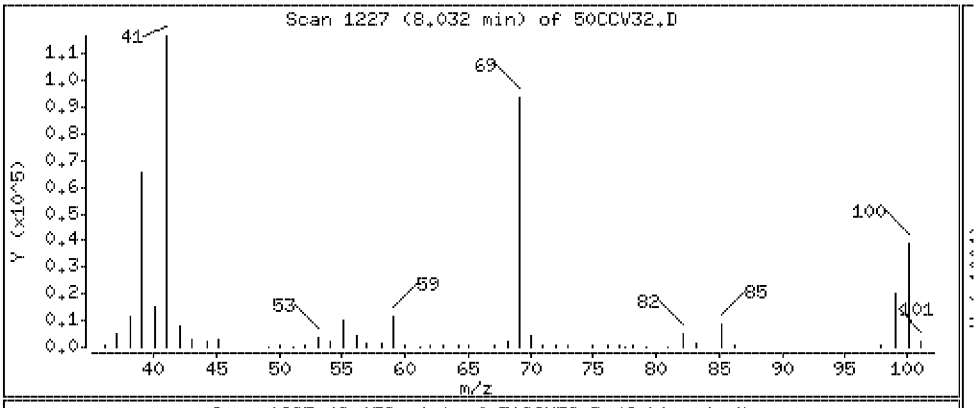
Operator:

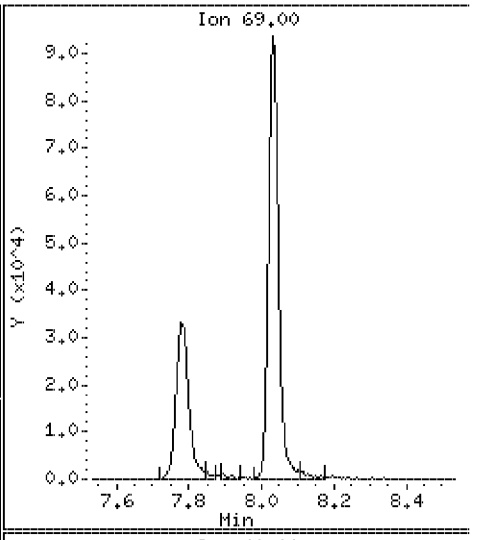
Column phase: DB-624

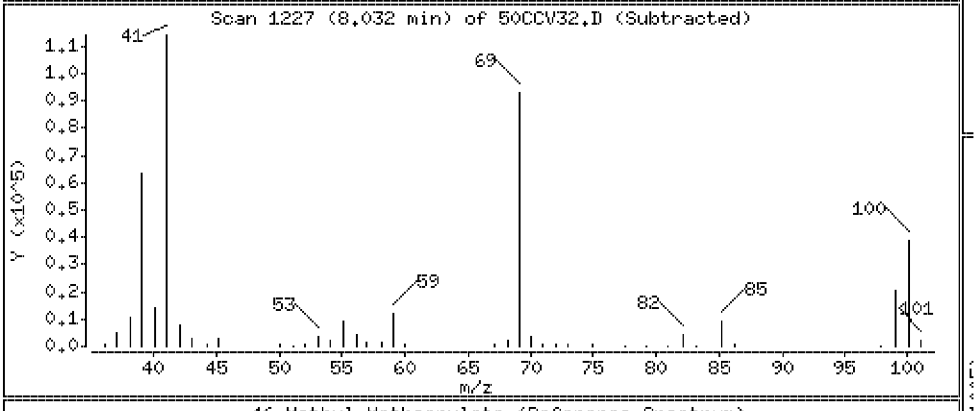
Column diameter: 0.18

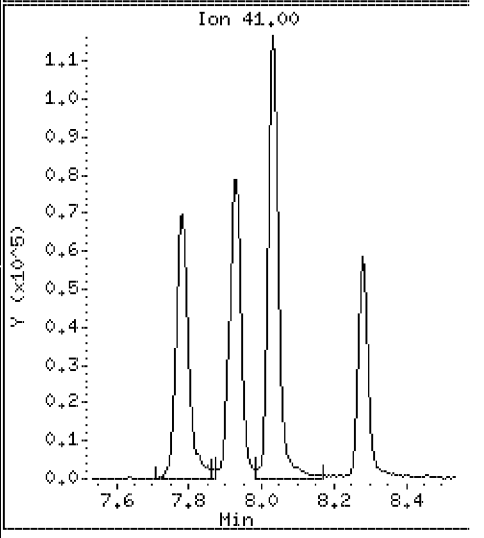
46 Methyl Methacrylate

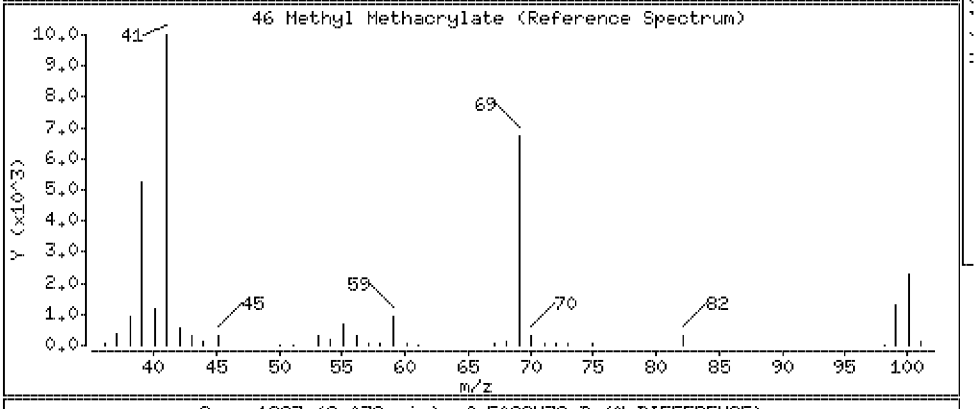
Concentration: 51.0 ug/l

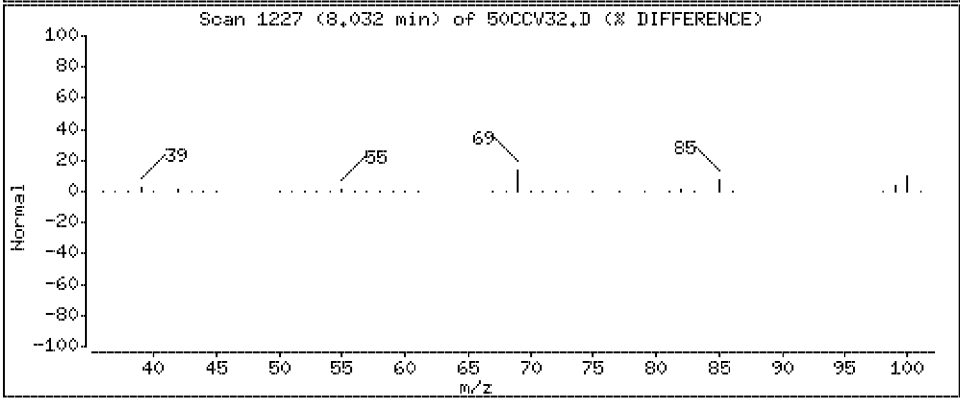












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

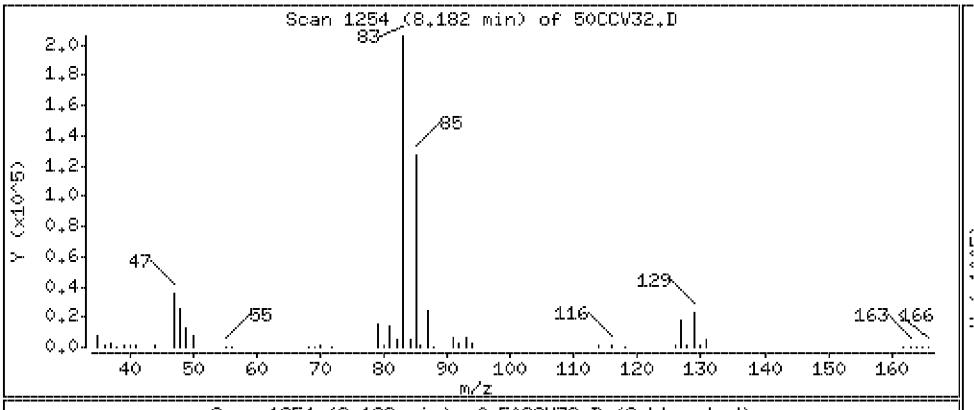
Operator:

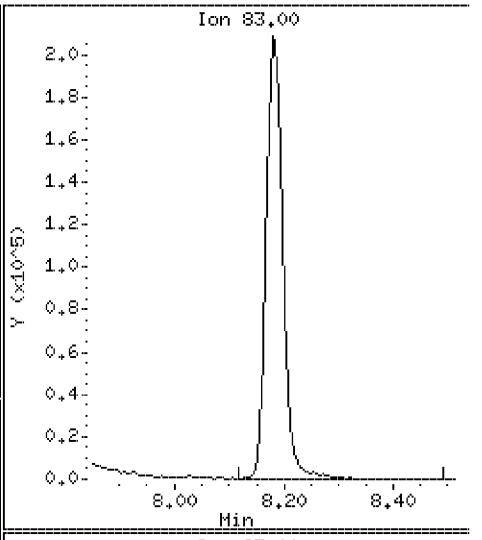
Column phase: DB-624

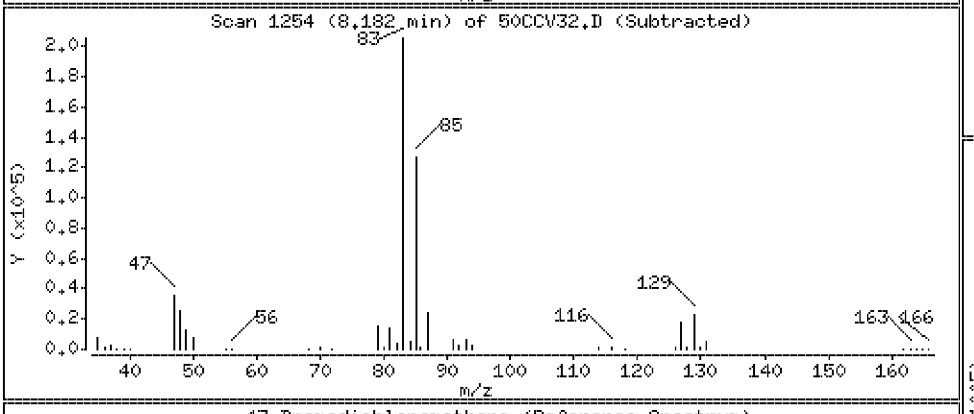
Column diameter: 0.18

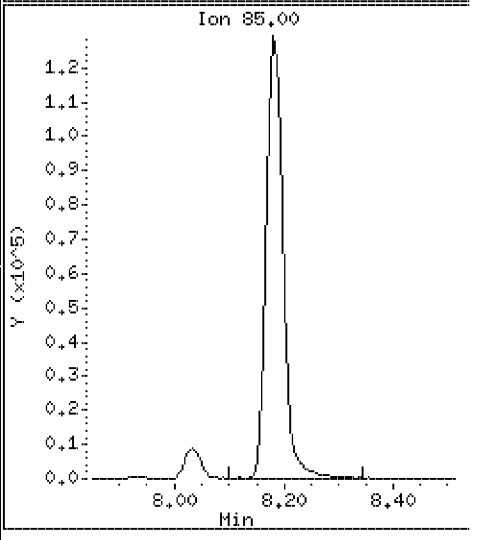
47 Bromodichloromethane

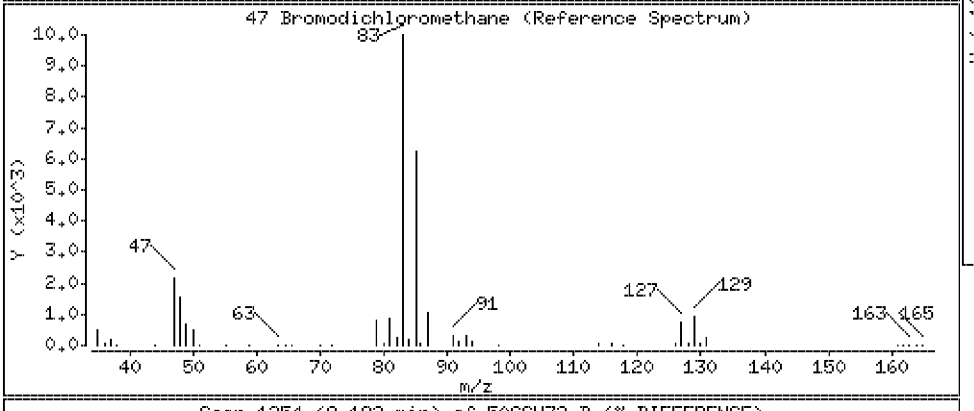
Concentration: 54.0 ug/l

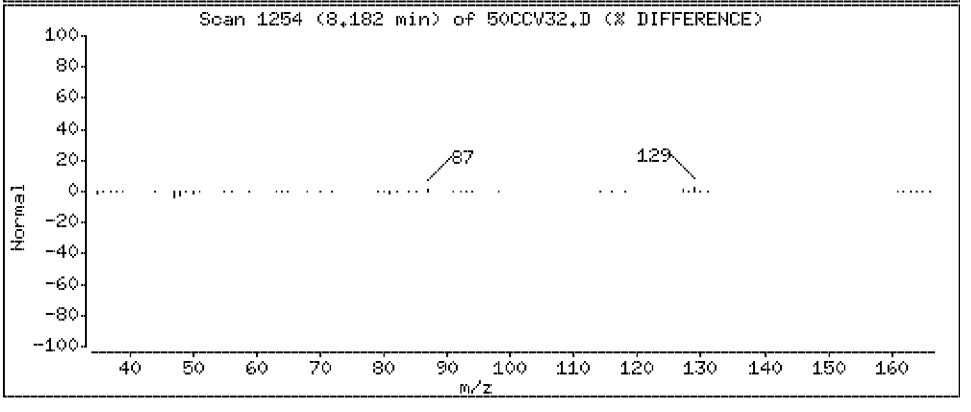












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

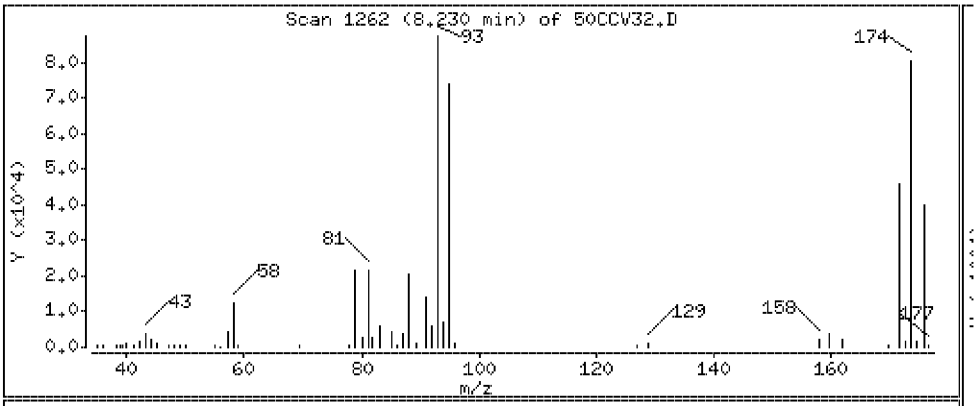
Operator:

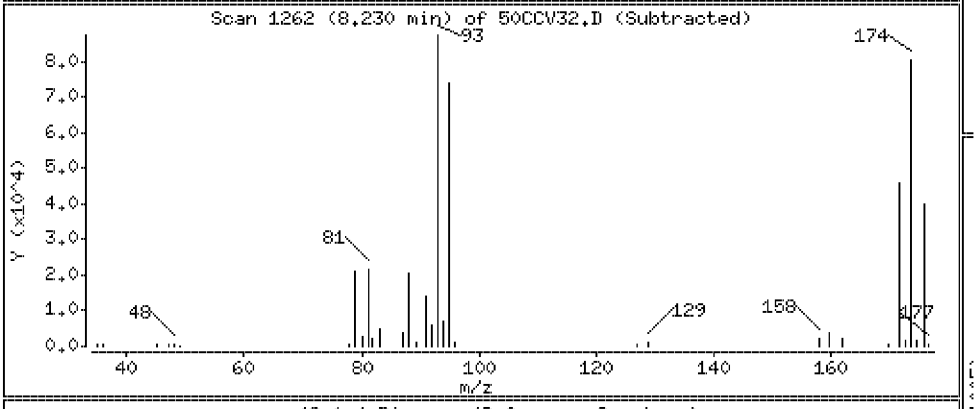
Column phase: DB-624

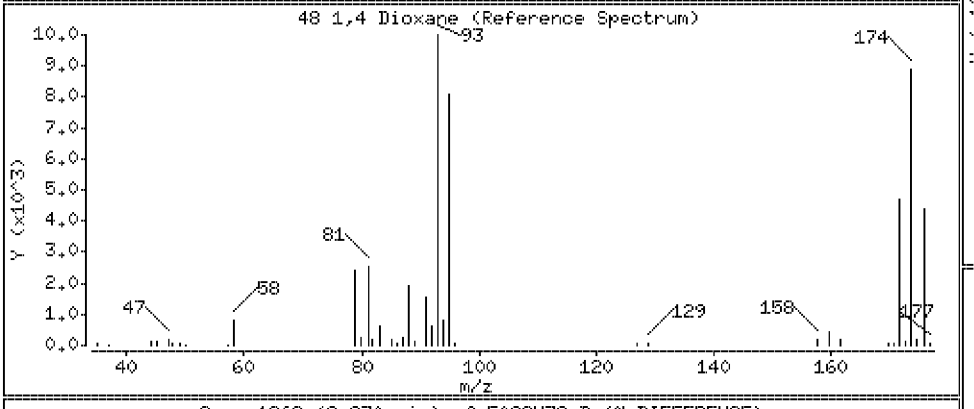
Column diameter: 0.18

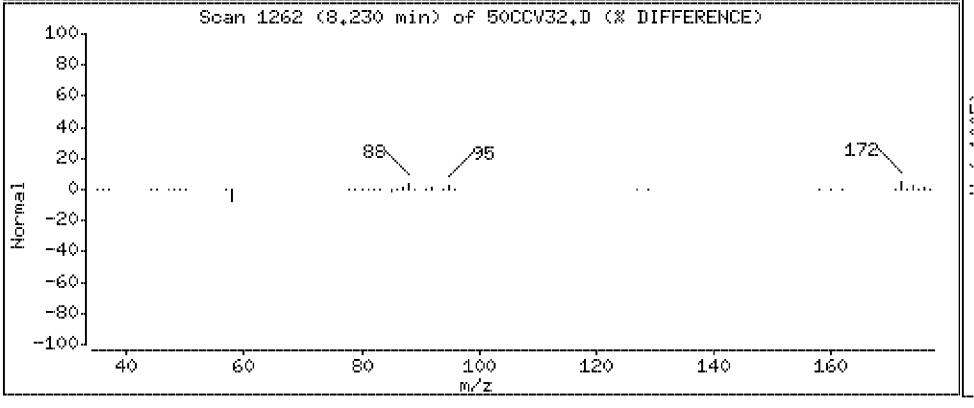
48 1,4 Dioxane

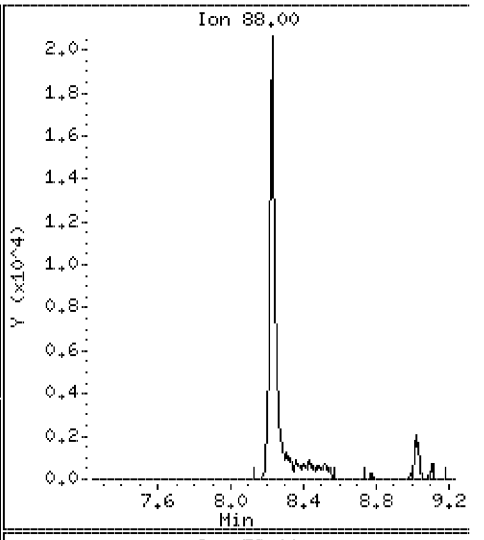
Concentration: 1020 ug/l

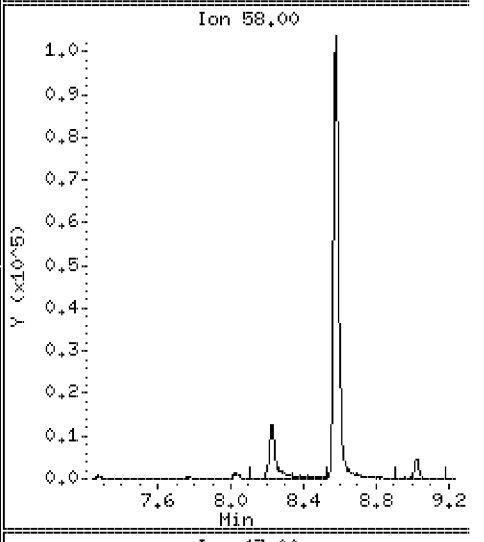


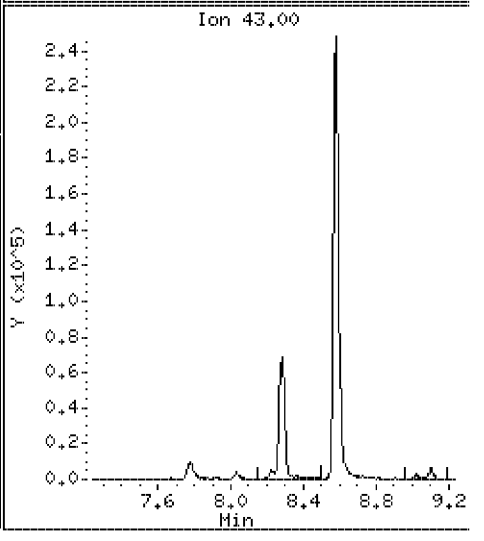












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

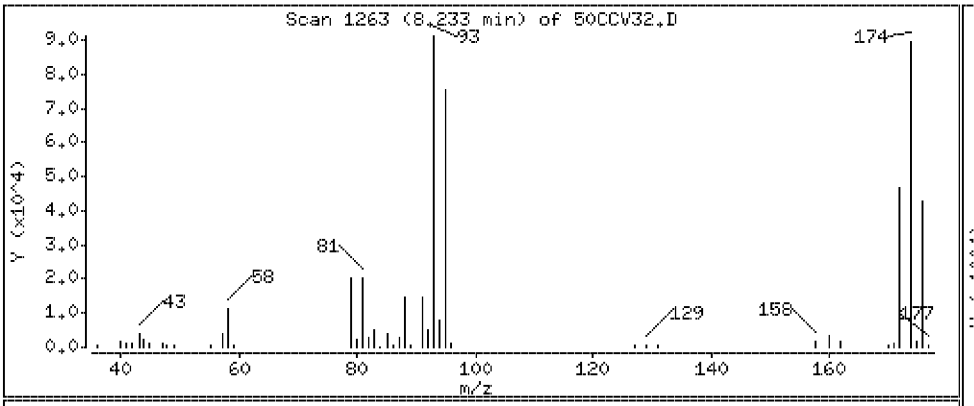
Operator:

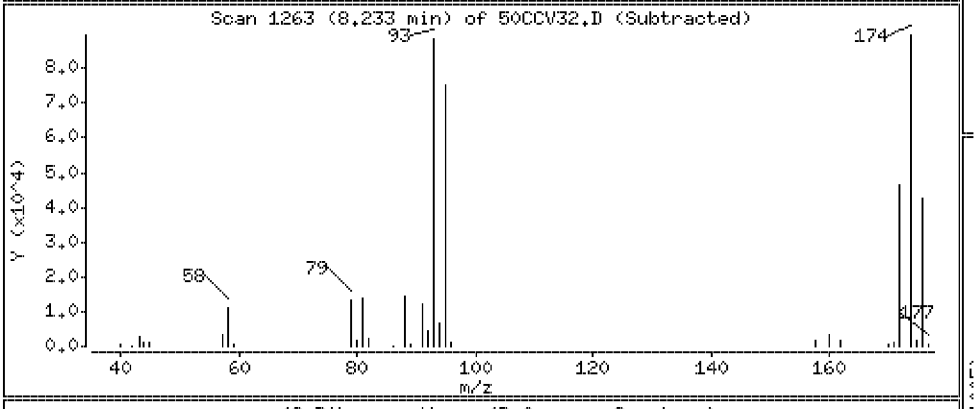
Column phase: DB-624

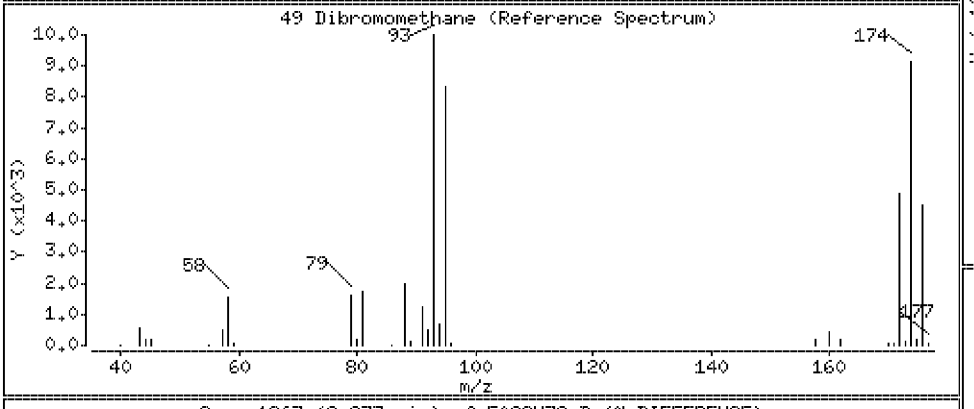
Column diameter: 0.18

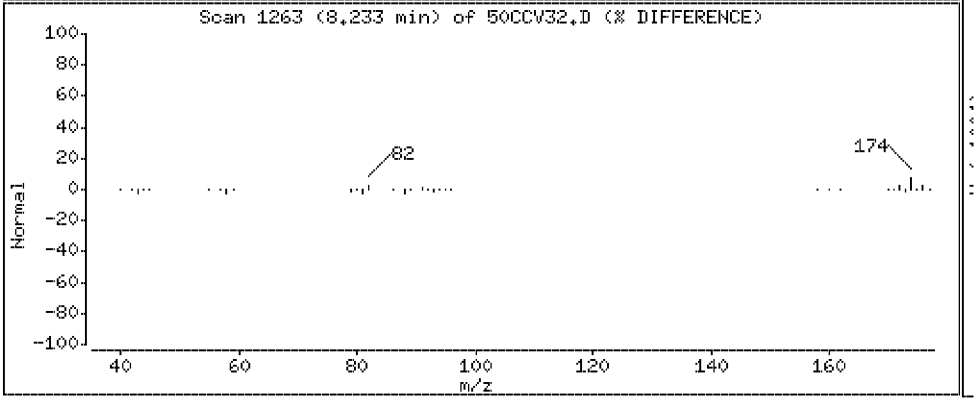
49 Dibromomethane

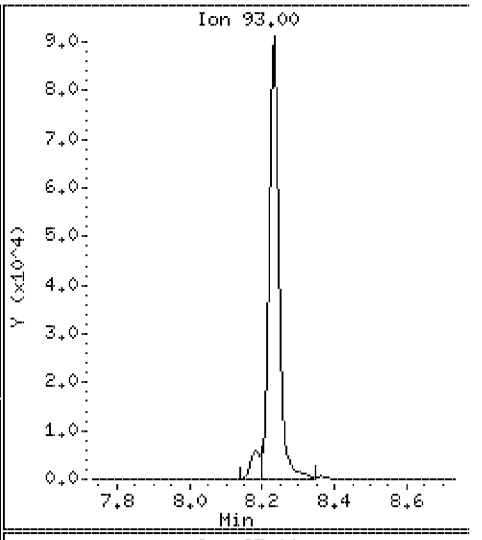
Concentration: 51.6 ug/l

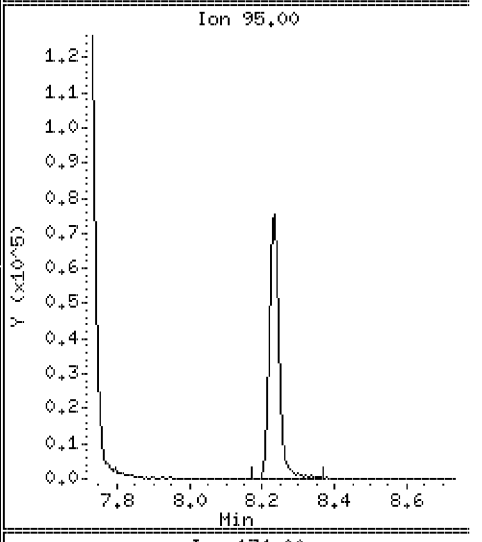


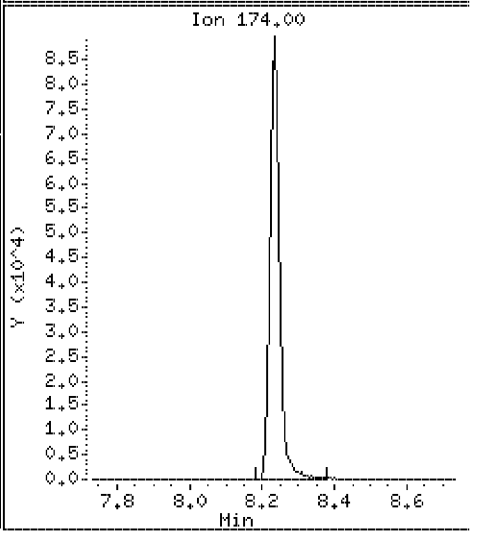












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

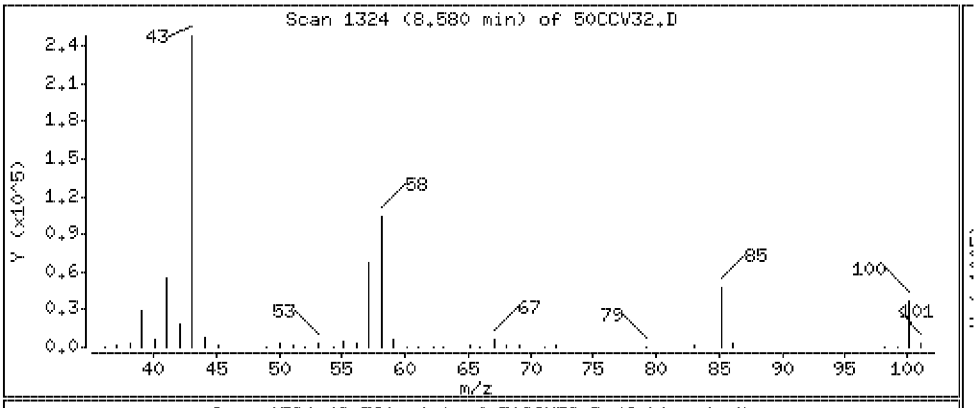
Operator:

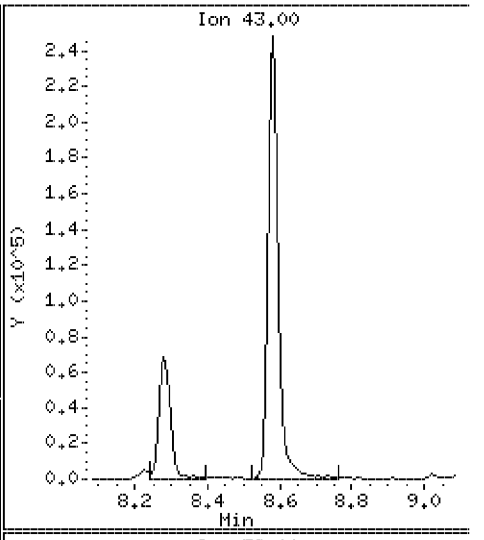
Column phase: DB-624

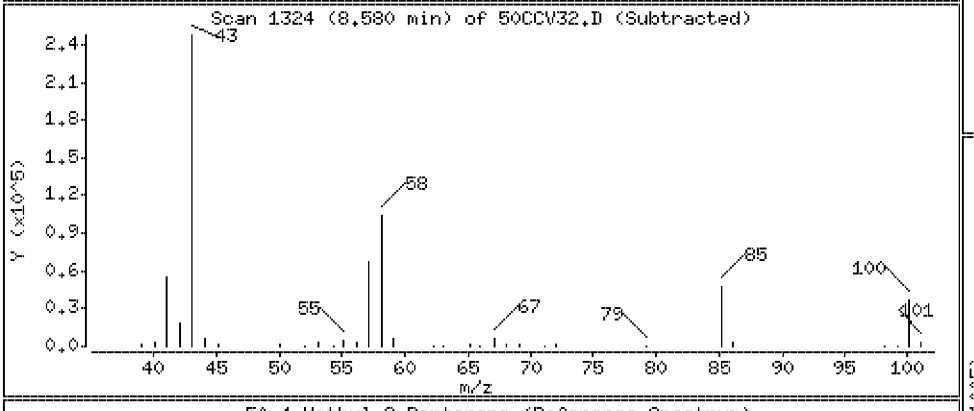
Column diameter: 0.18

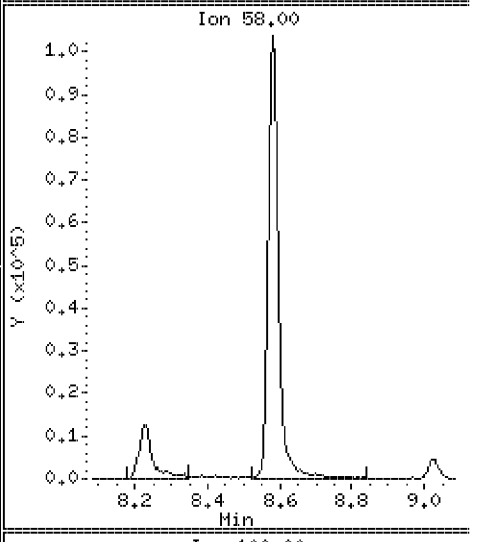
50 4-Methyl-2-Pentanone

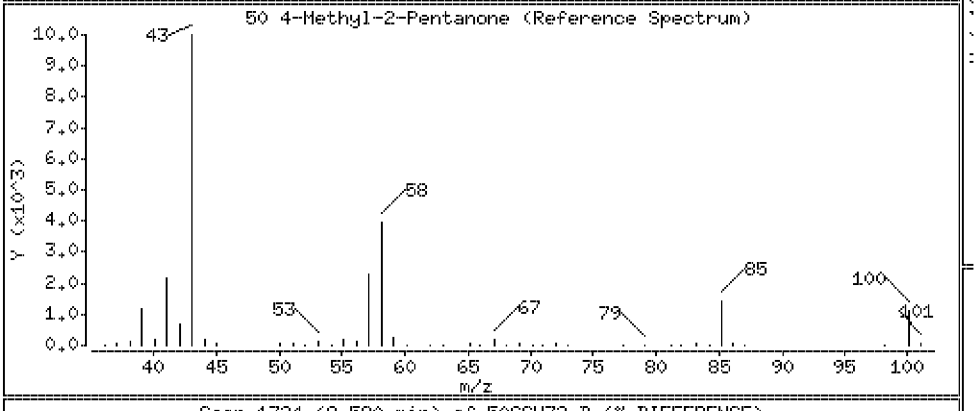
Concentration: 89.2 ug/l

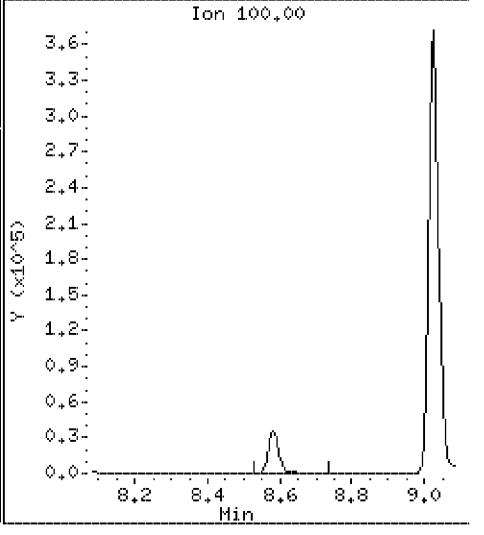


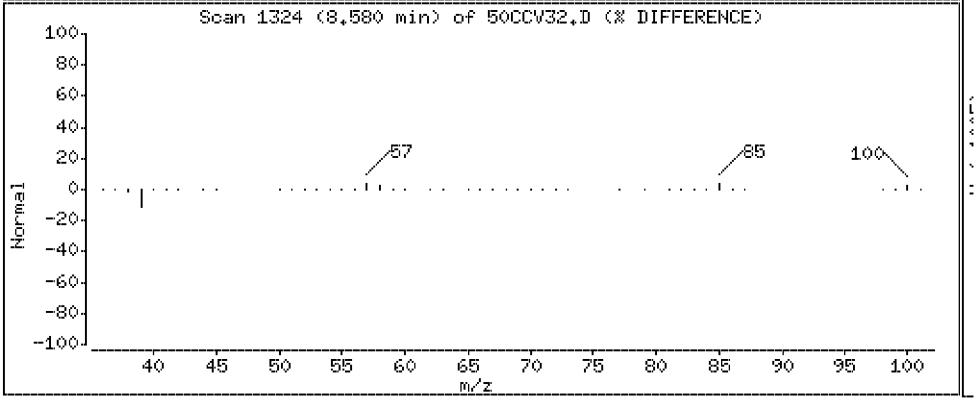












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

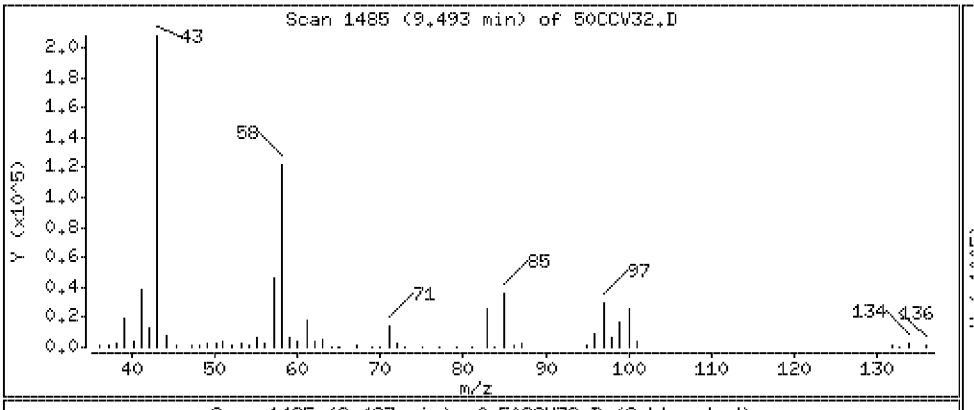
Operator:

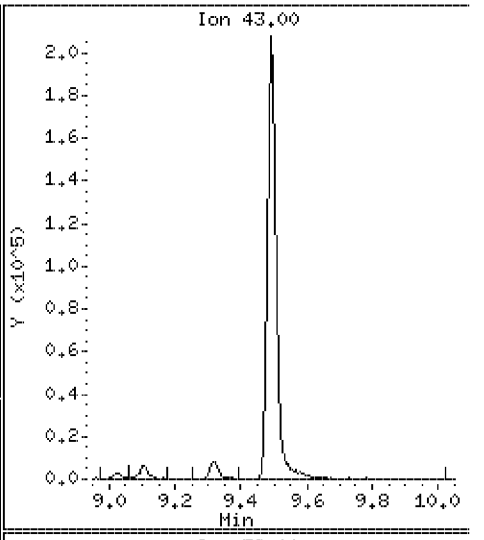
Column phase: DB-624

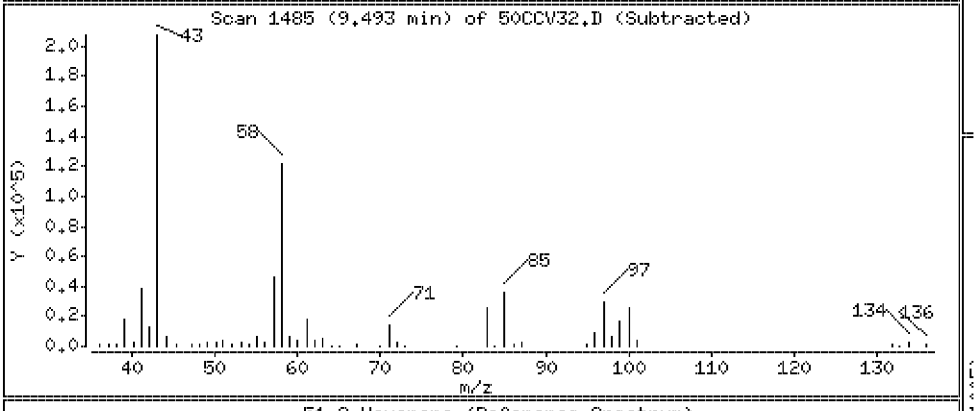
Column diameter: 0.18

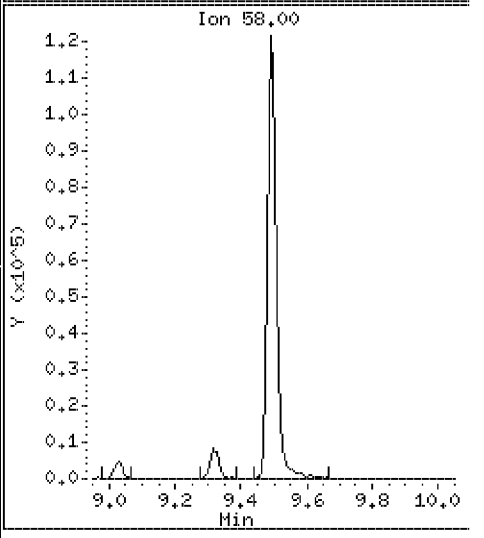
51 2-Hexanone

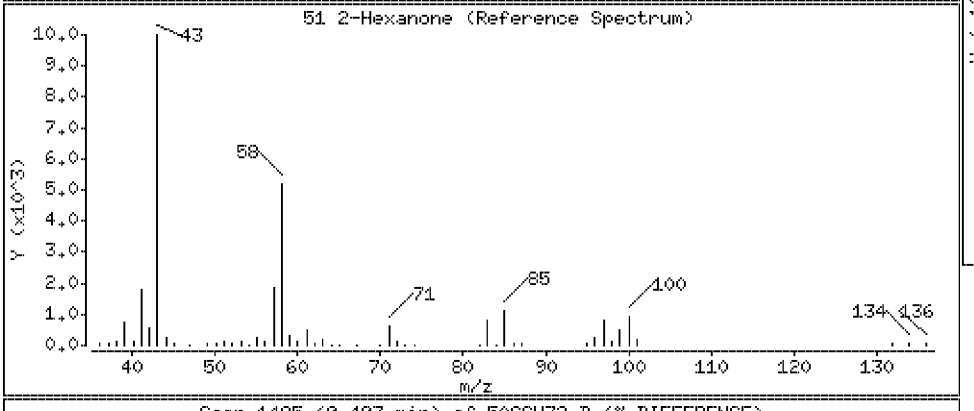
Concentration: 94.8 ug/l

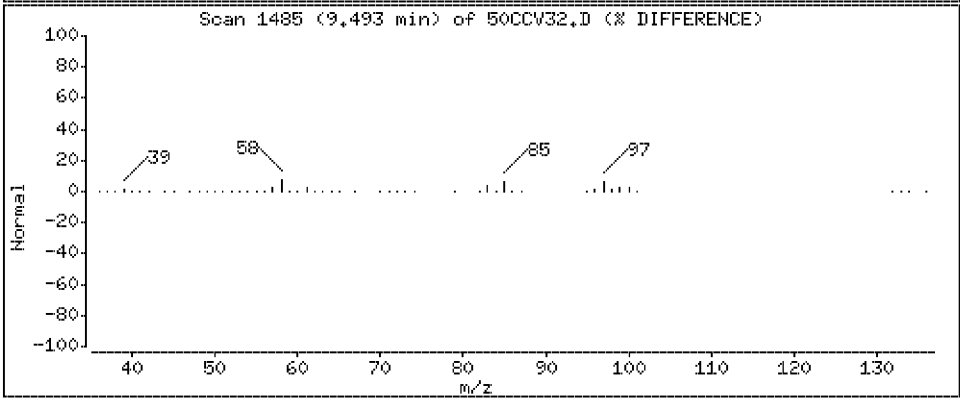












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

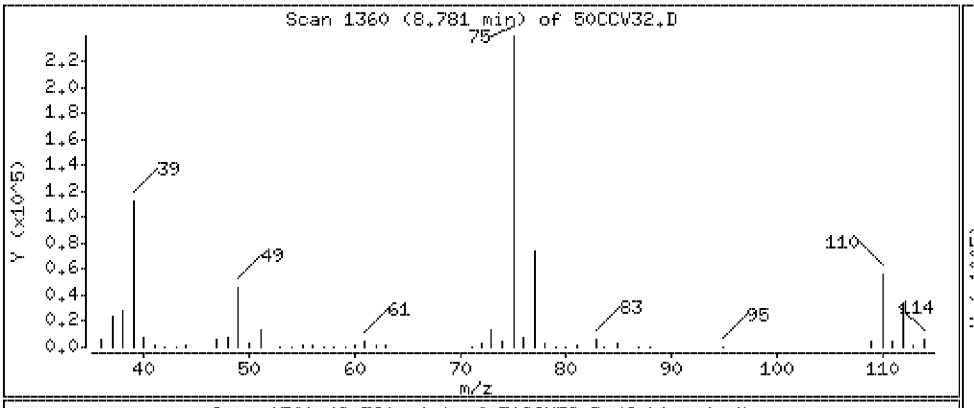
Client ID: 040408CCVA32 Instrument: vms03.i

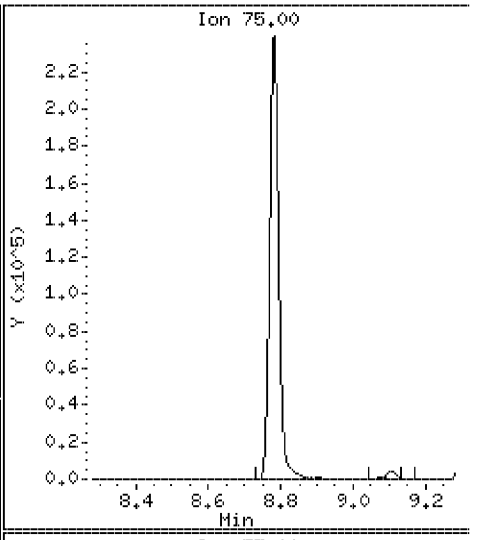
Sample Info: 040408CCVA32

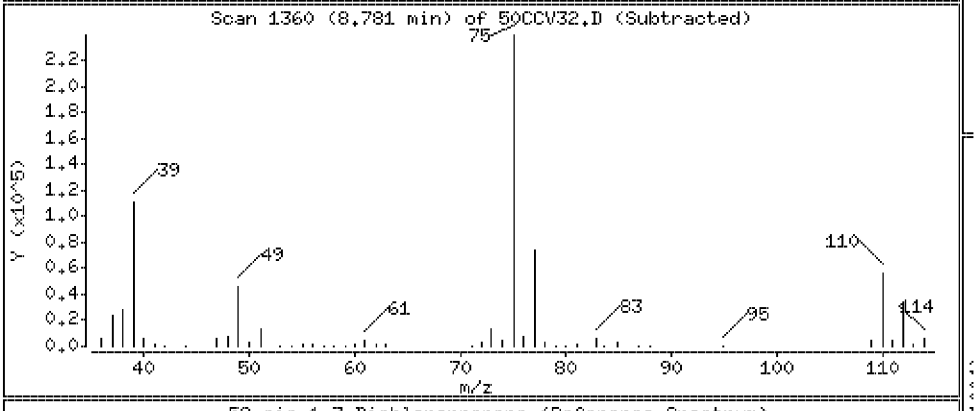
Purge Volume: 5.0 Operator:

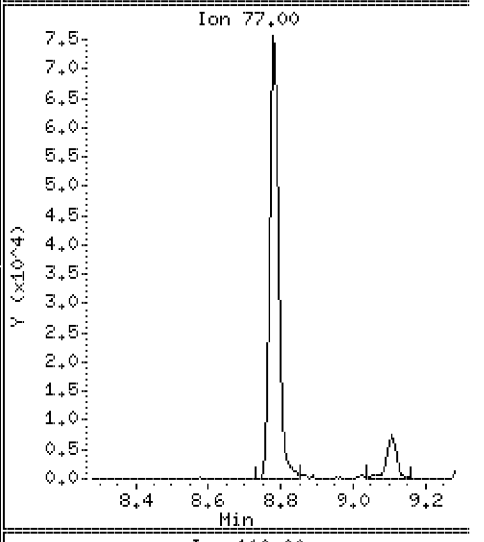
Column phase: DB-624 Column diameter: 0.18

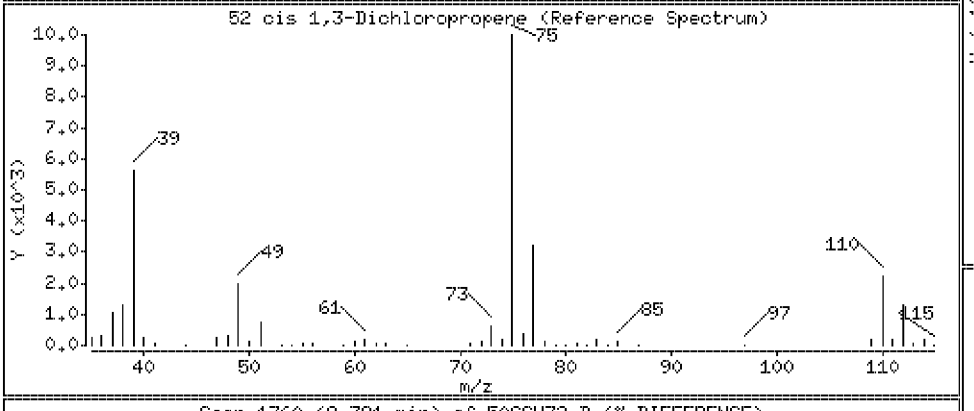
52 cis 1,3-Dichloropropene Concentration: 54.4 ug/l

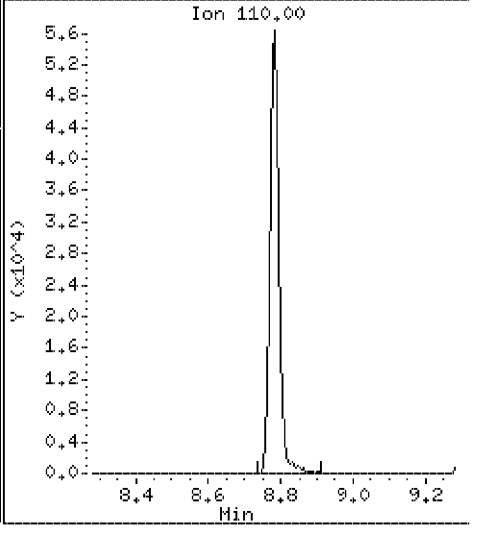


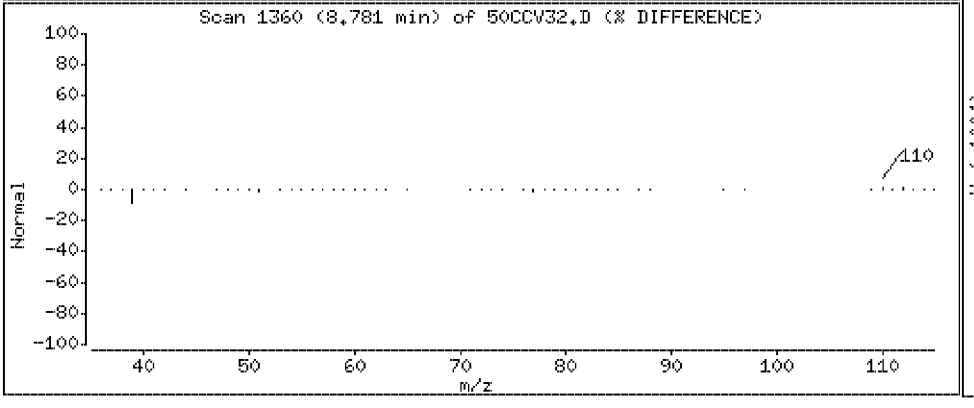












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

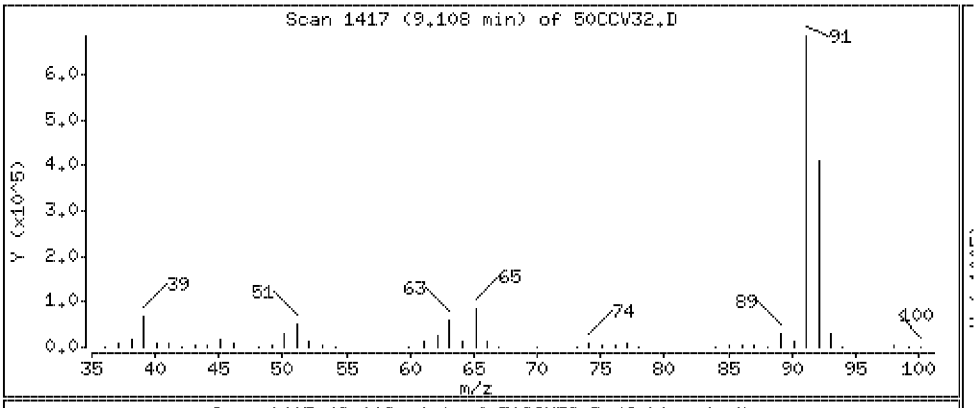
Operator:

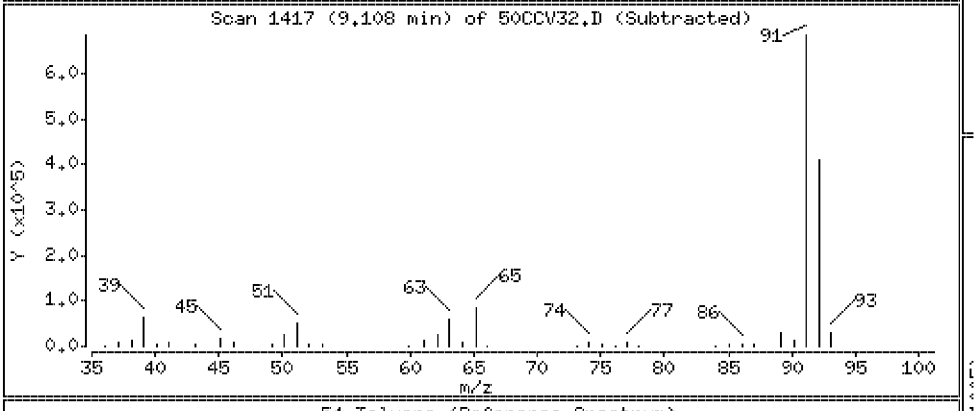
Column phase: DB-624

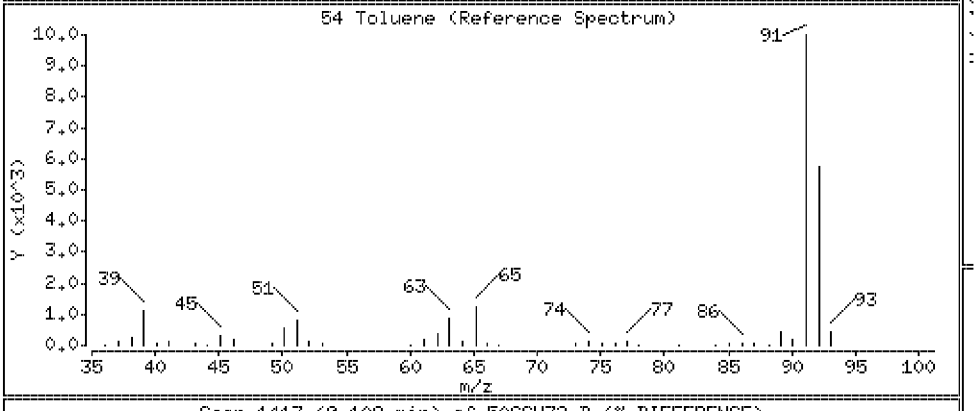
Column diameter: 0.18

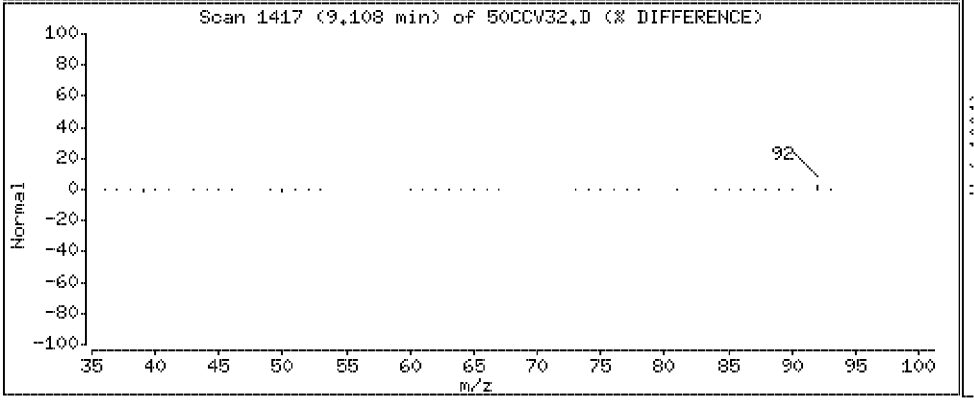
54 Toluene

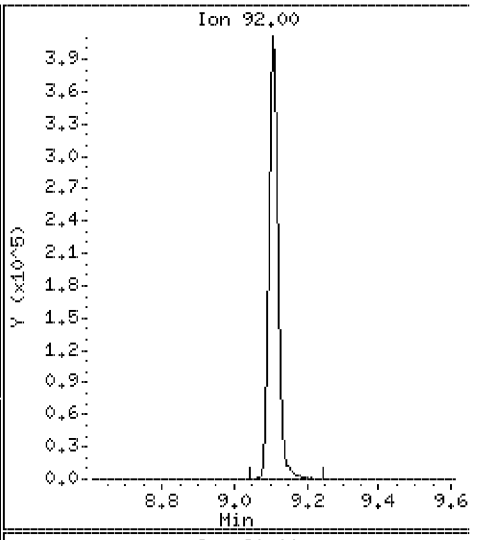
Concentration: 50.2 ug/l

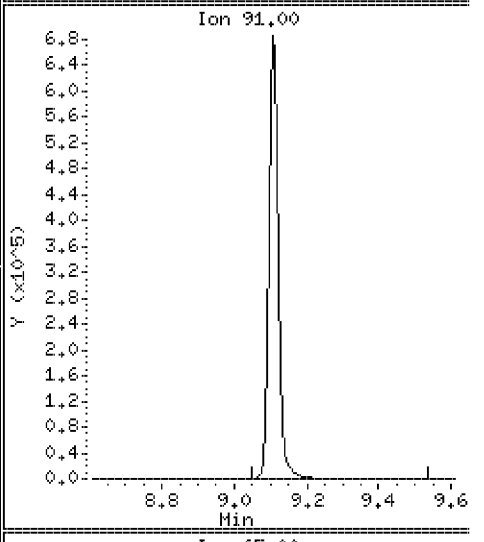


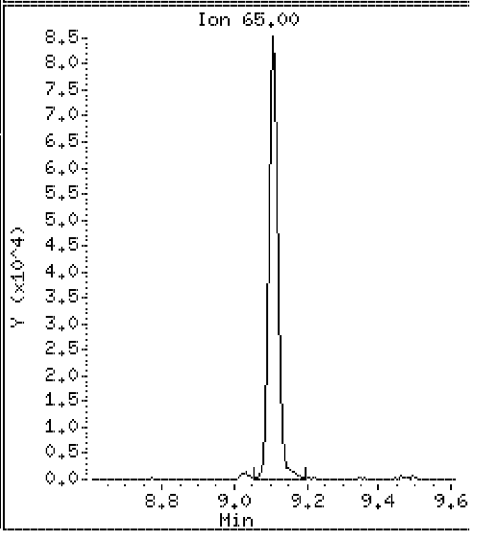












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

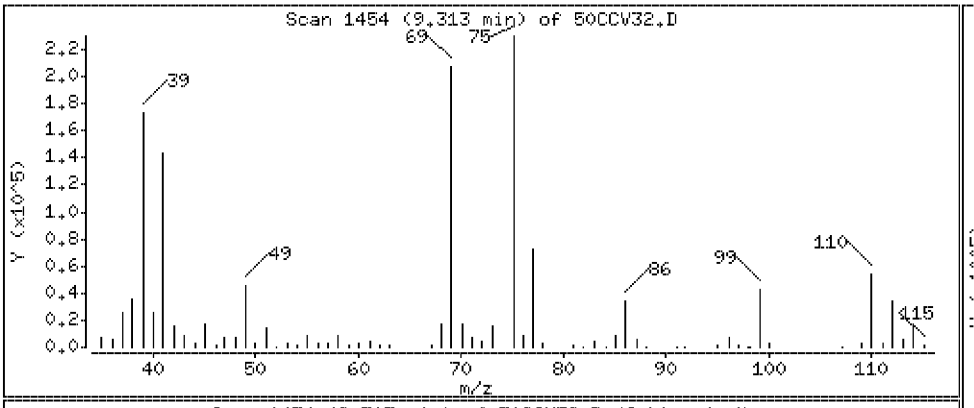
Client ID: 040408CCVA32 Instrument: vms03.i

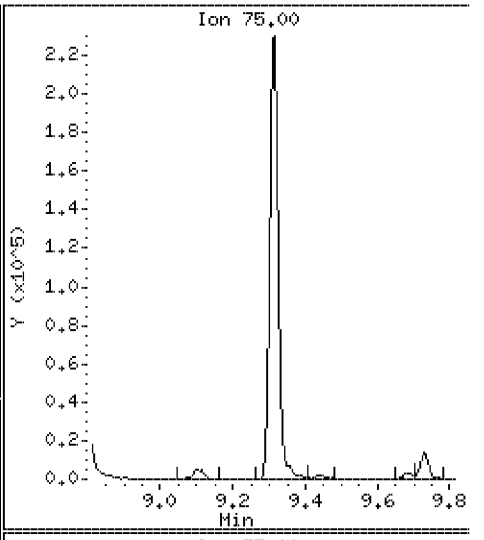
Sample Info: 040408CCVA32

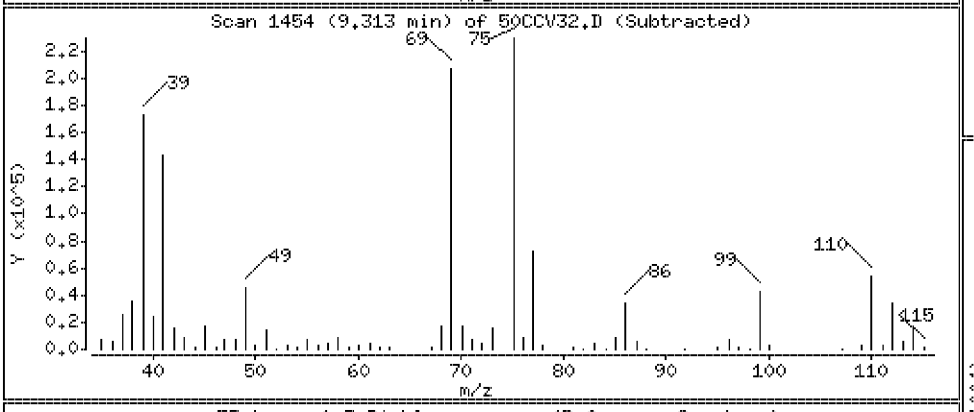
Purge Volume: 5.0 Operator:

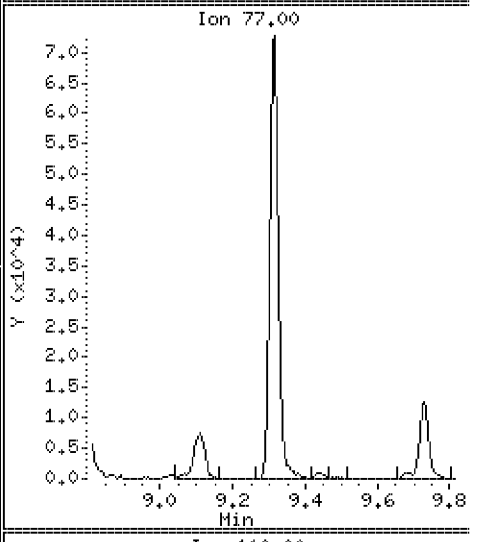
Column phase: DB-624 Column diameter: 0.18

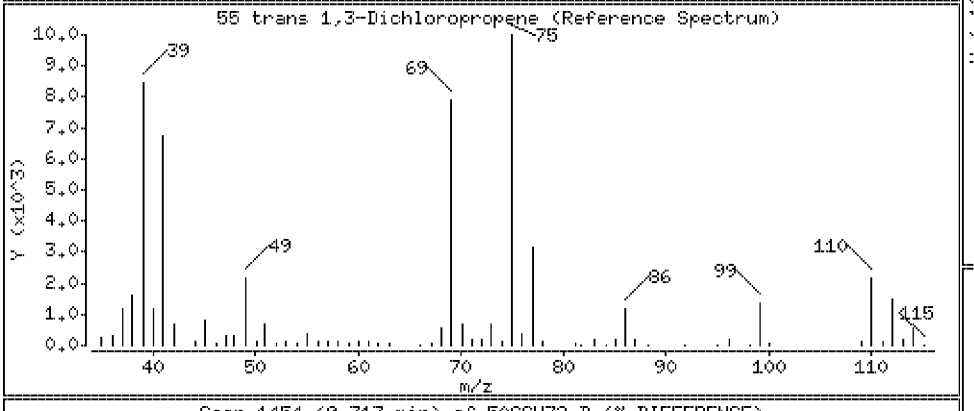
55 trans 1,3-Dichloropropene Concentration: 58.4 ug/l

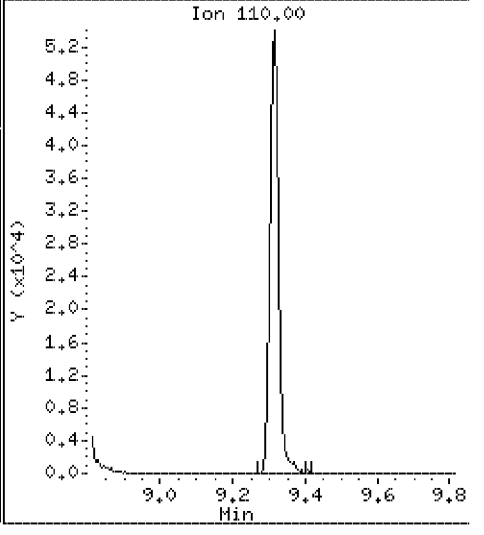


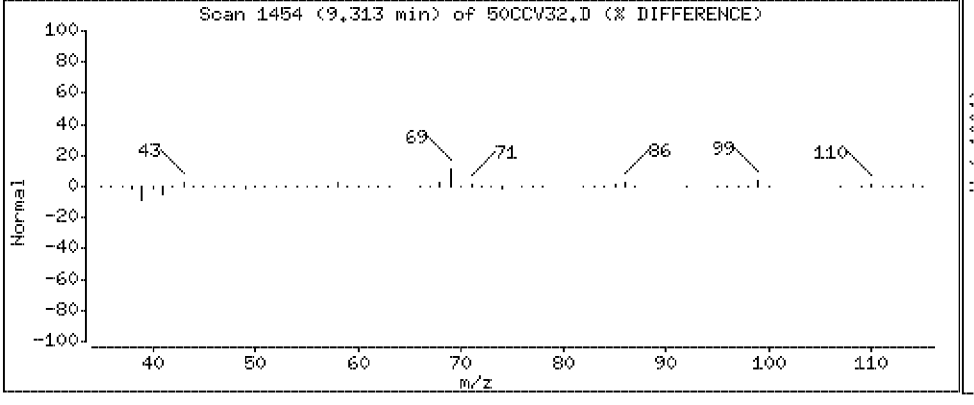












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

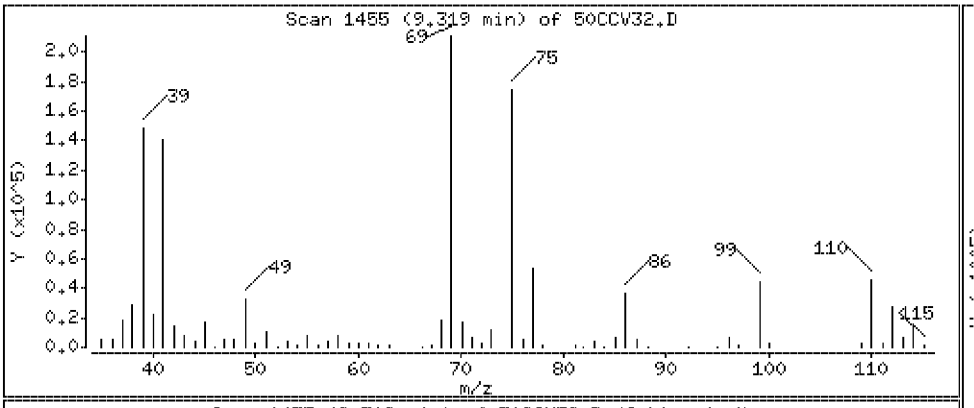
Operator:

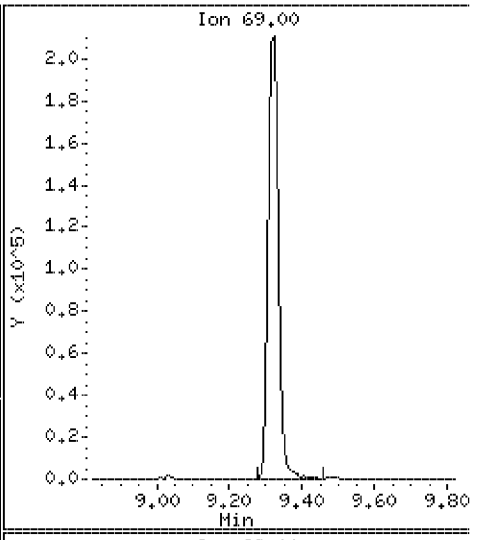
Column phase: DB-624

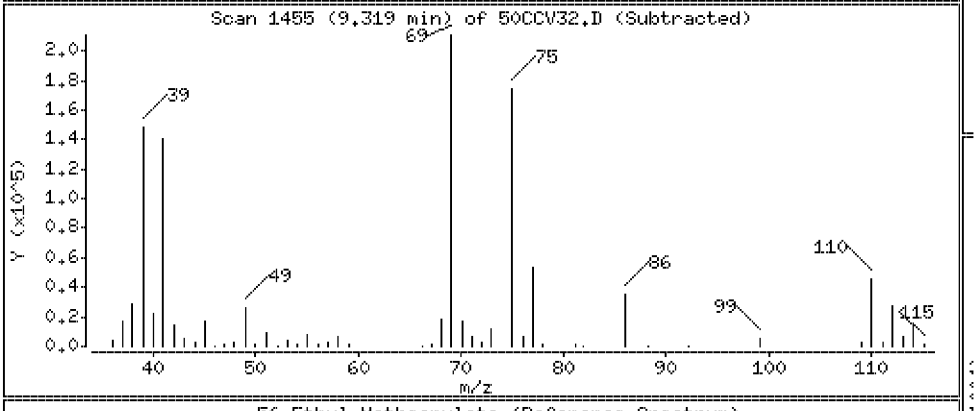
Column diameter: 0.18

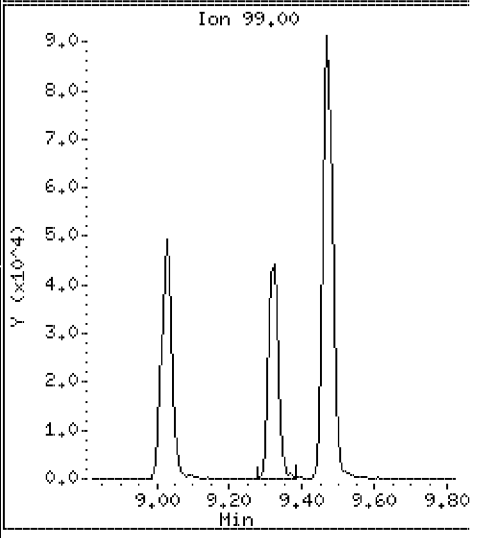
56 Ethyl Methacrylate

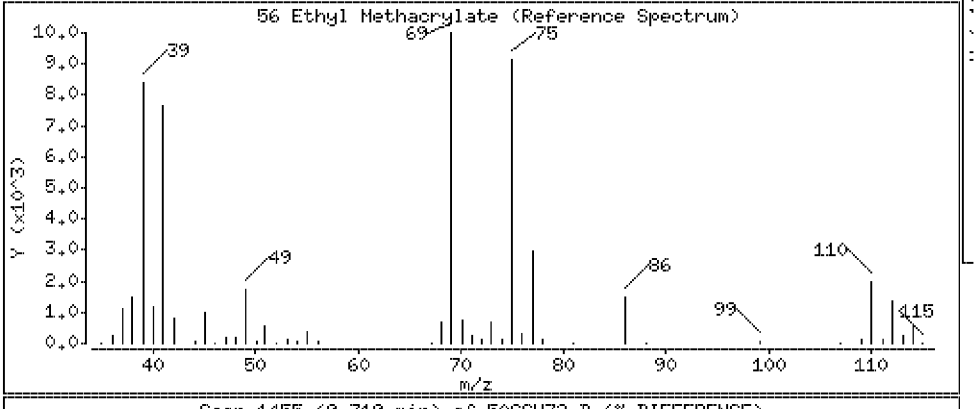
Concentration: 54.1 ug/l

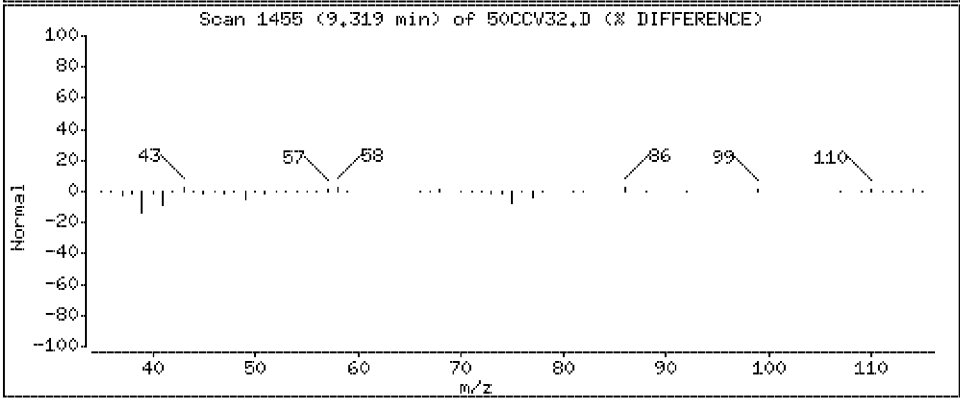












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

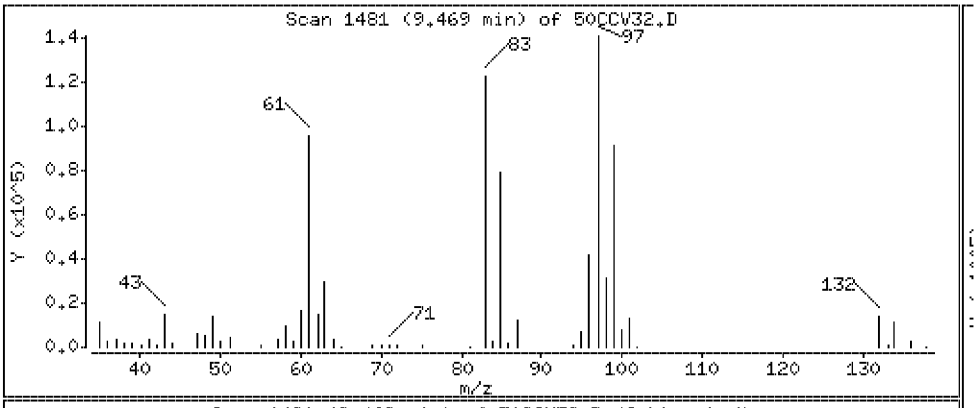
Operator:

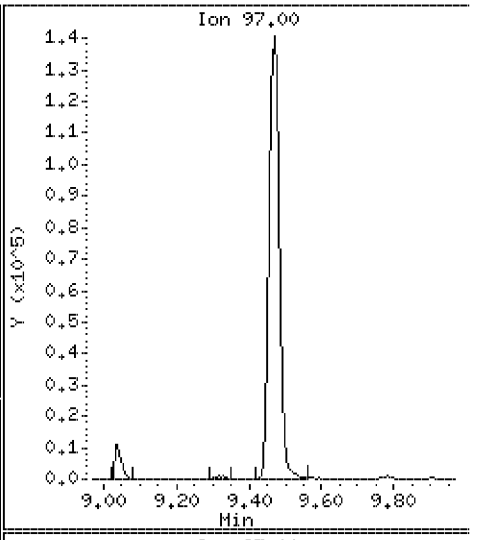
Column phase: DB-624

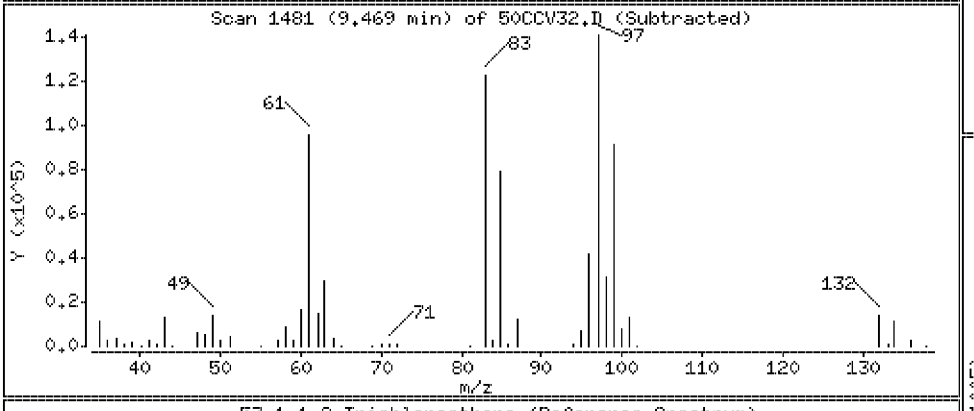
Column diameter: 0.18

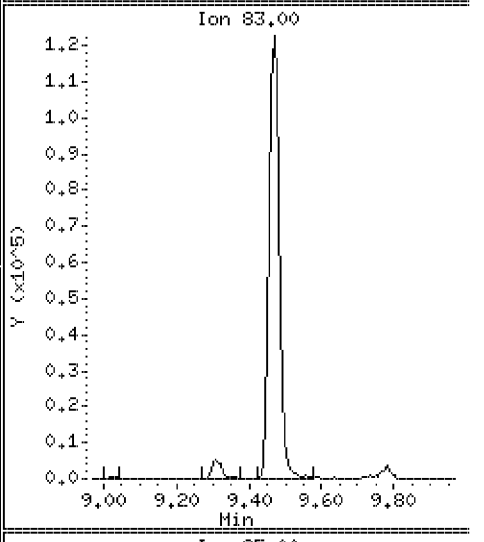
57 1,1,2-Trichloroethane

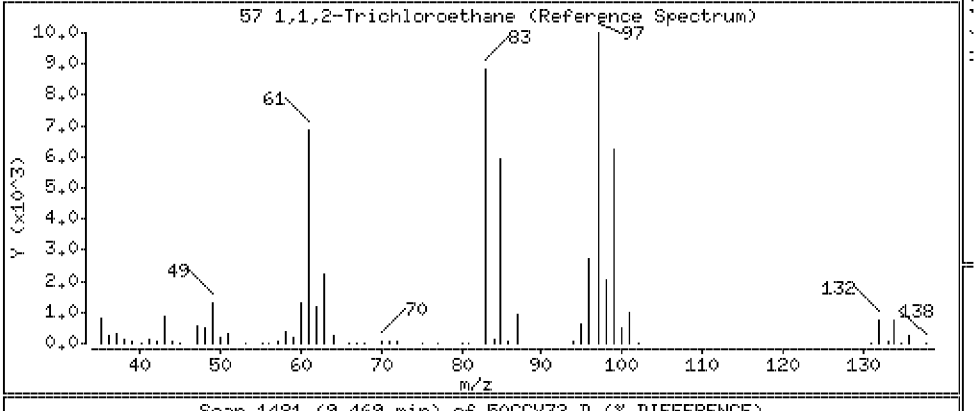
Concentration: 49.5 ug/l

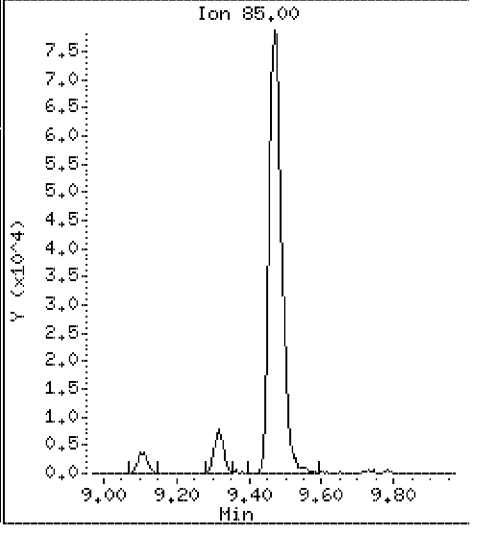


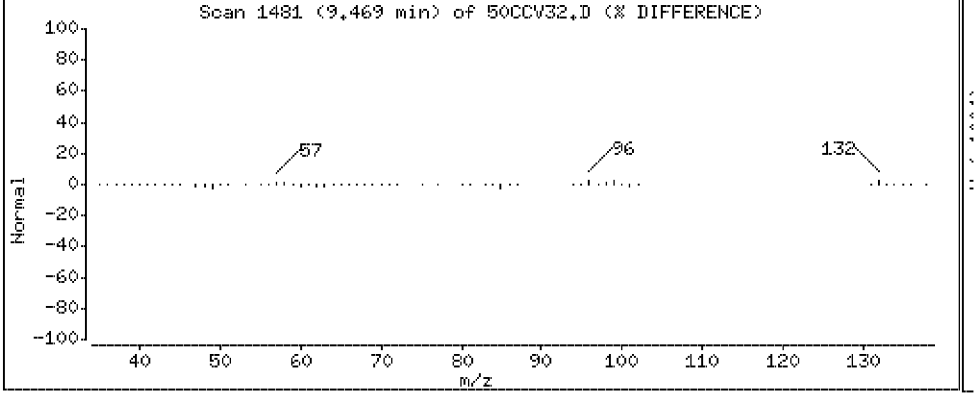












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

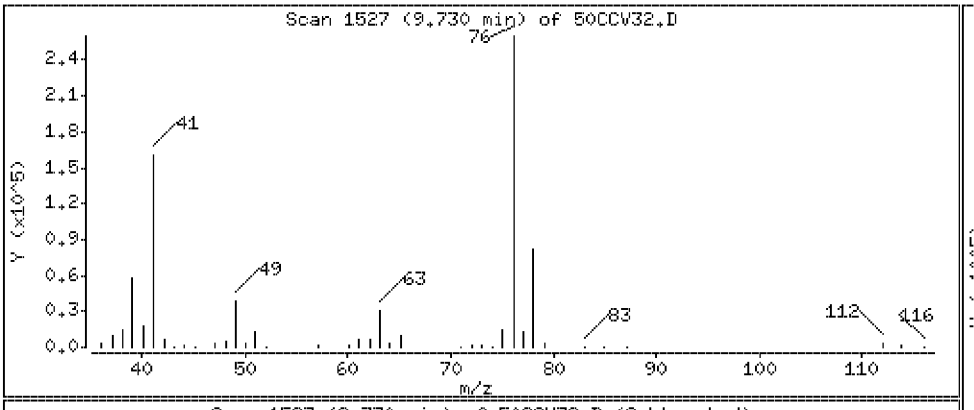
Operator:

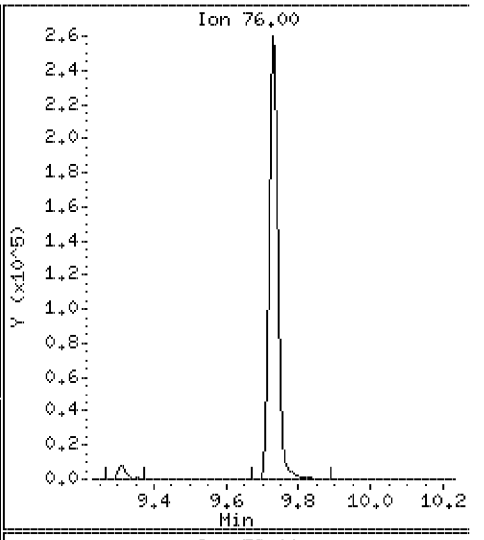
Column phase: DB-624

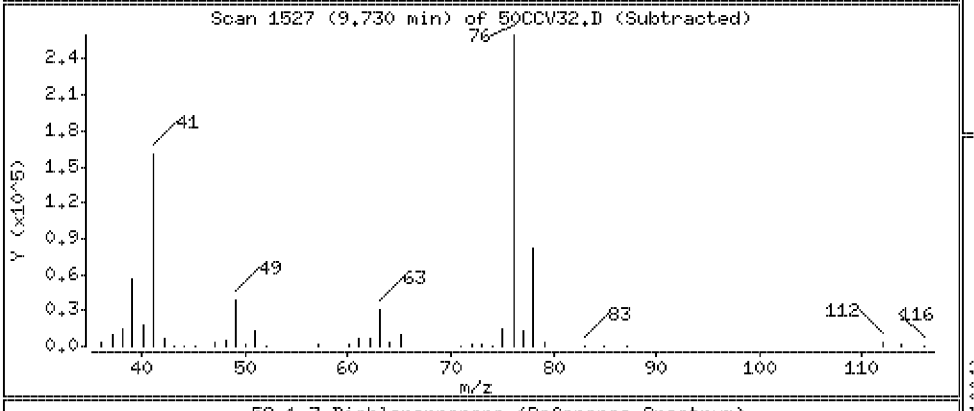
Column diameter: 0.18

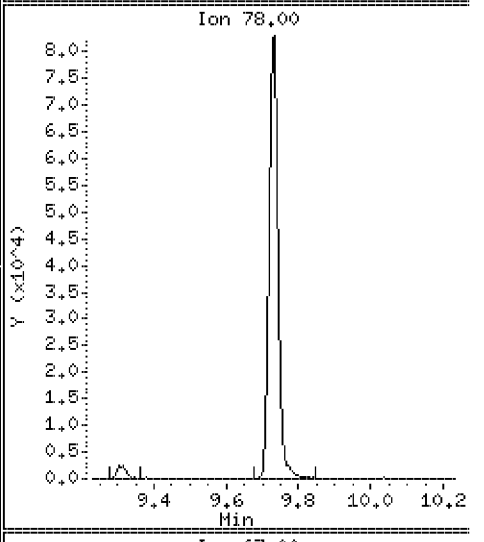
58 1,3-Dichloropropane

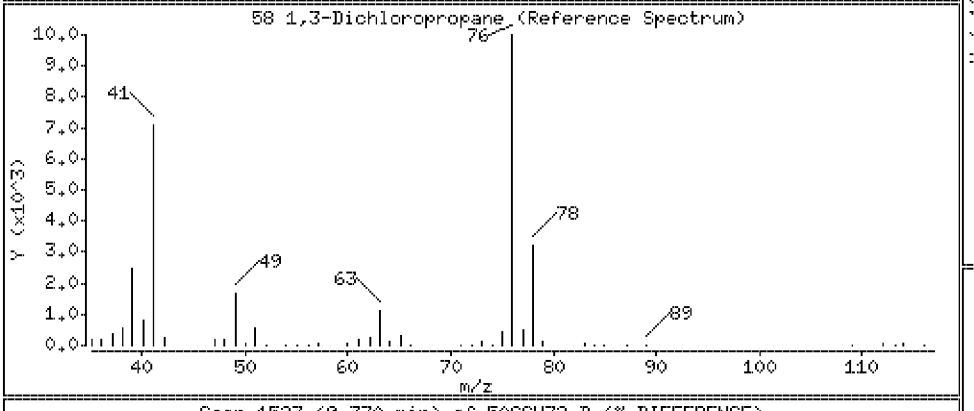
Concentration: 50.3 ug/l

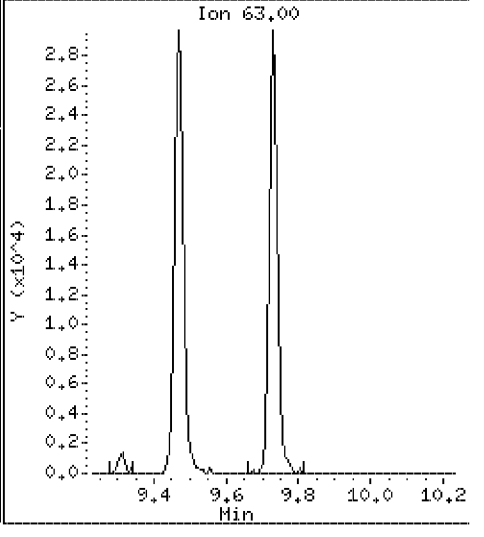


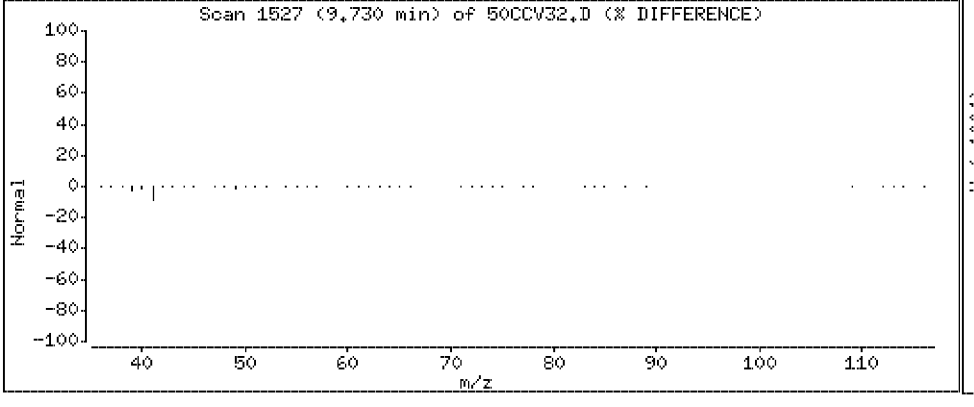












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

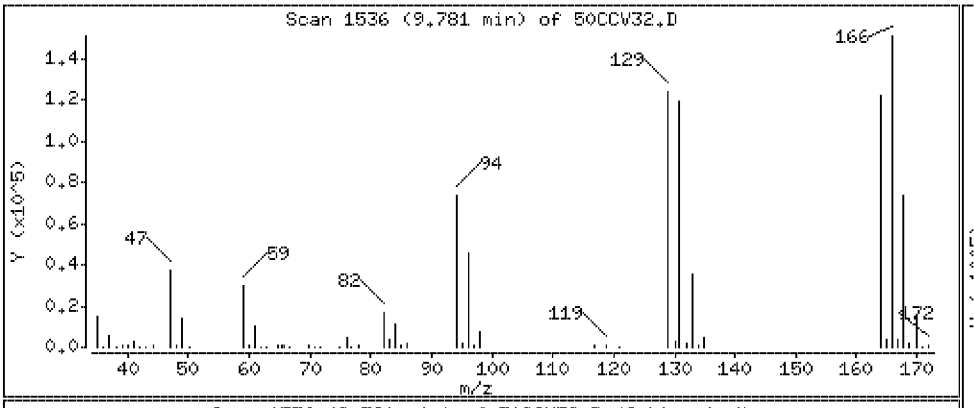
Operator:

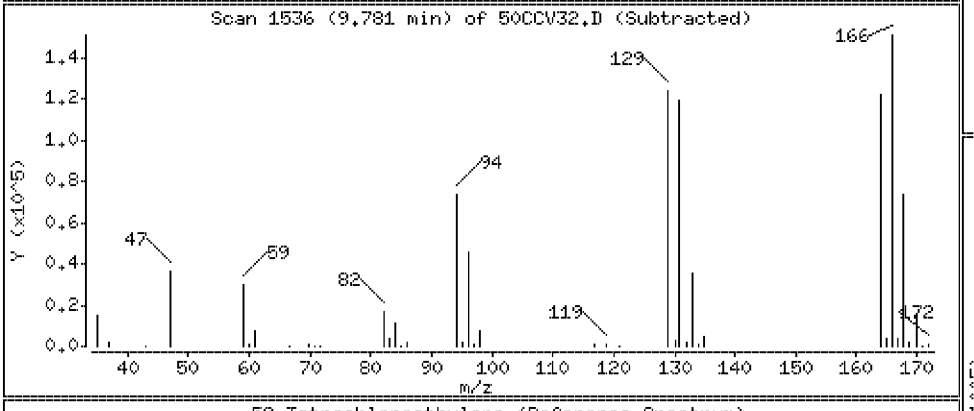
Column phase: DB-624

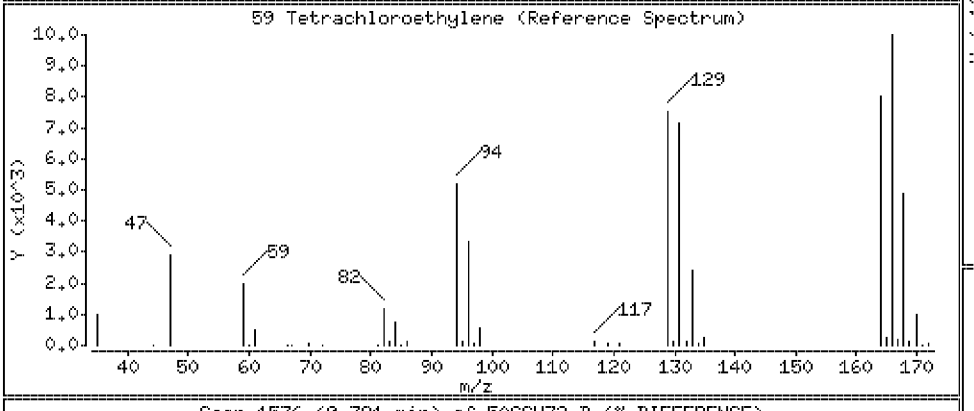
Column diameter: 0.18

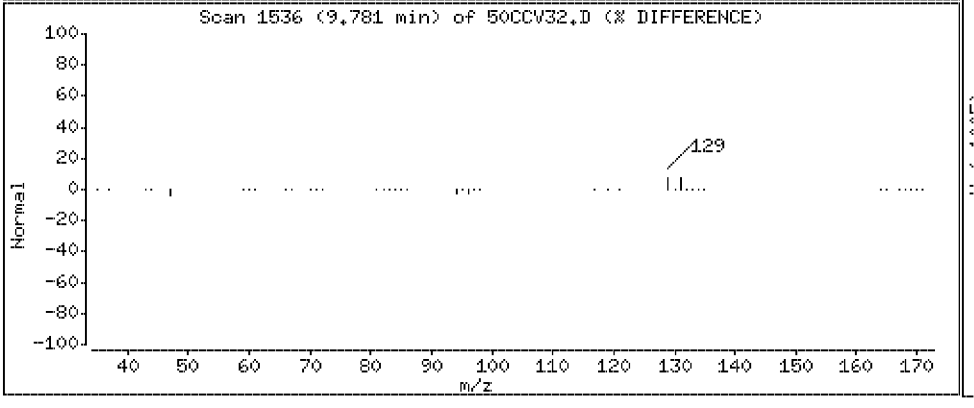
59 Tetrachloroethylene

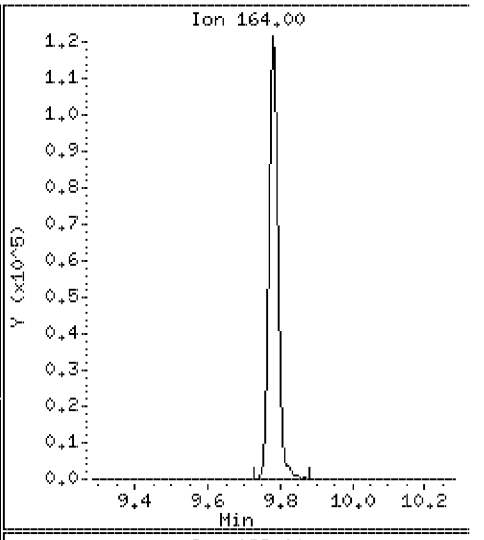
Concentration: 54.0 ug/l

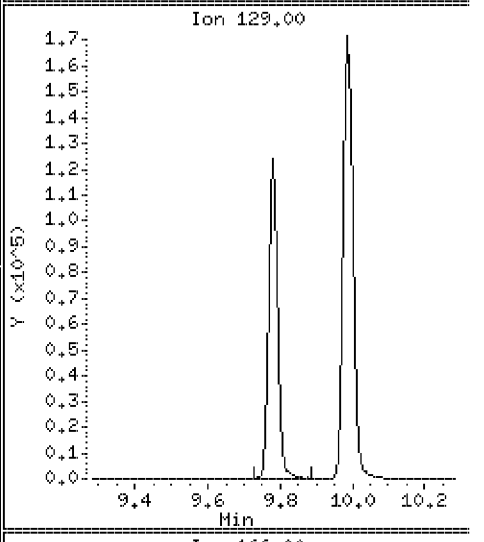


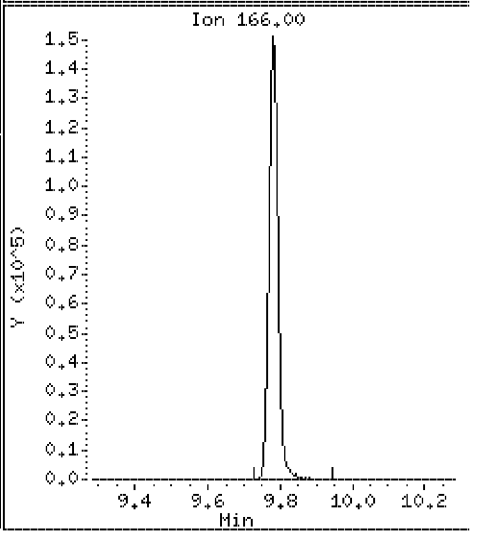












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

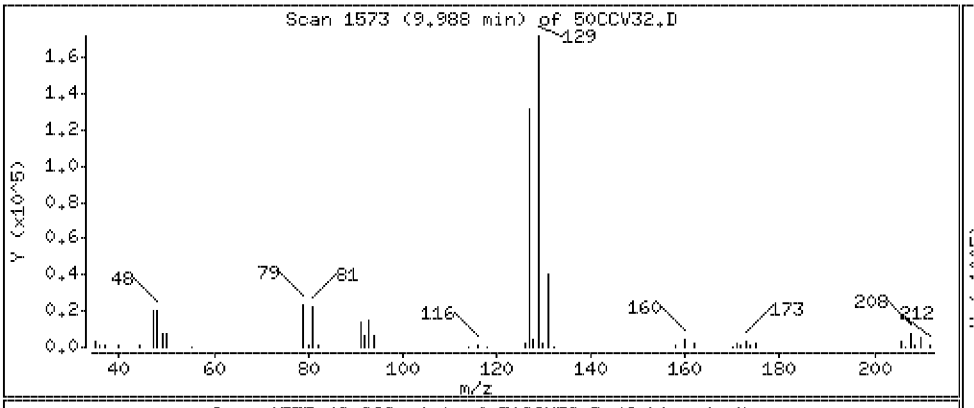
Operator:

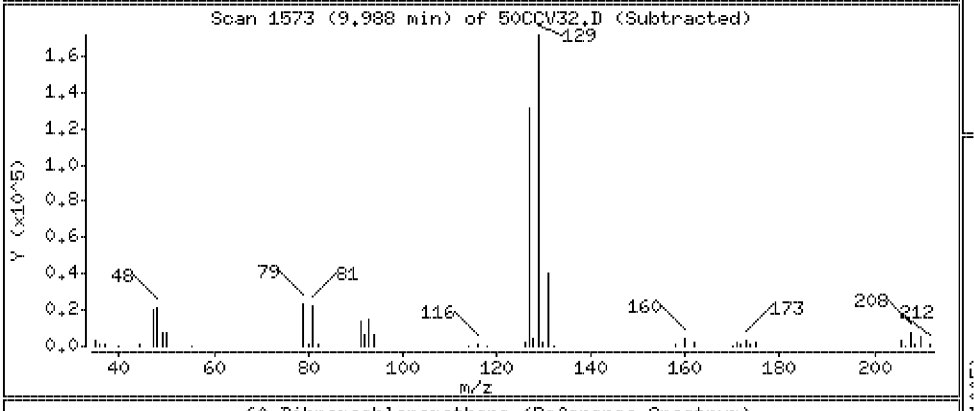
Column phase: DB-624

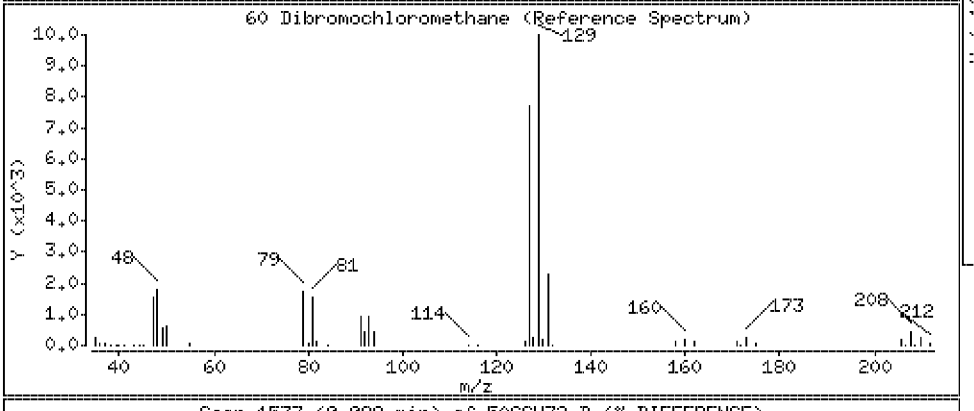
Column diameter: 0.18

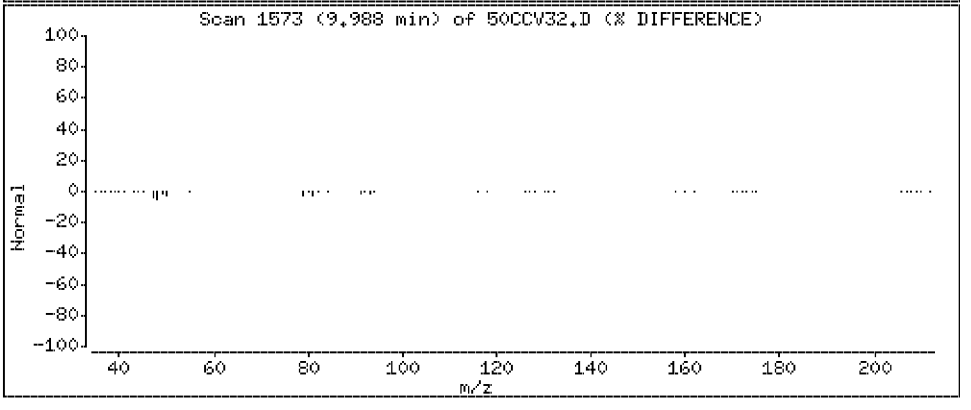
60 Dibromochloromethane

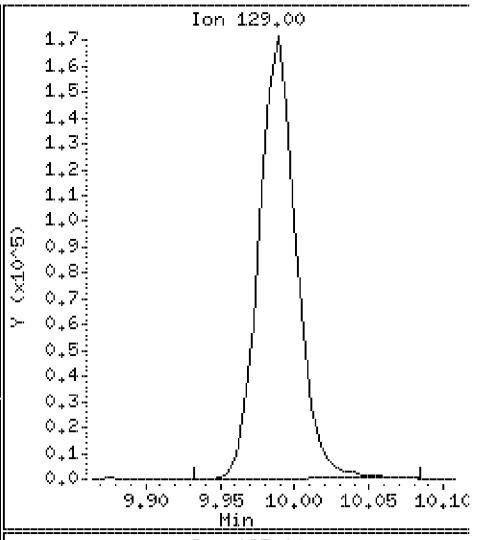
Concentration: 56.2 ug/l

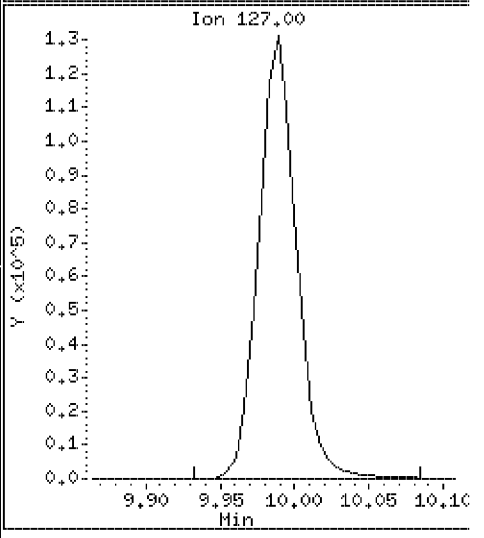












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

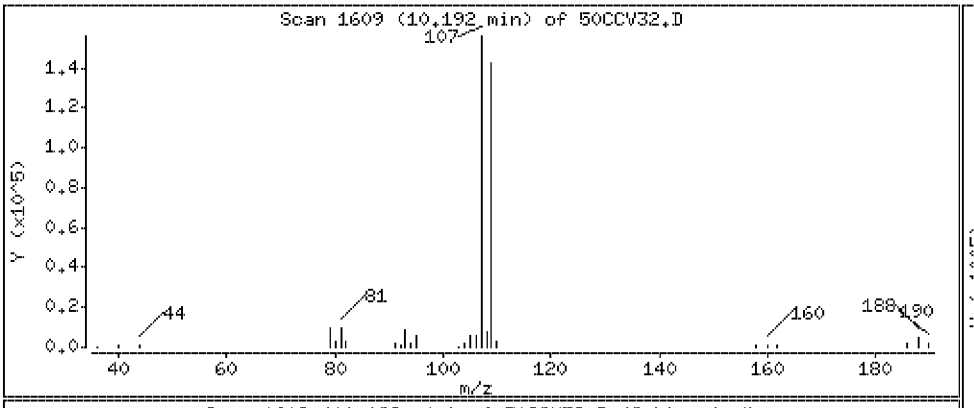
Operator:

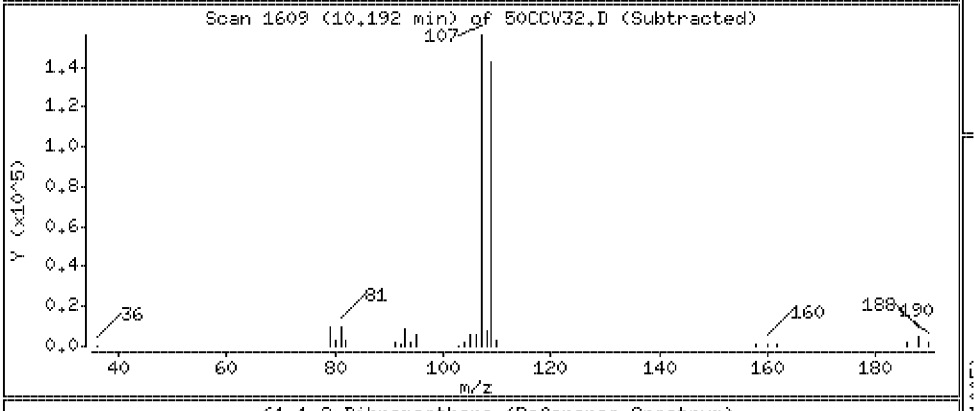
Column phase: DB-624

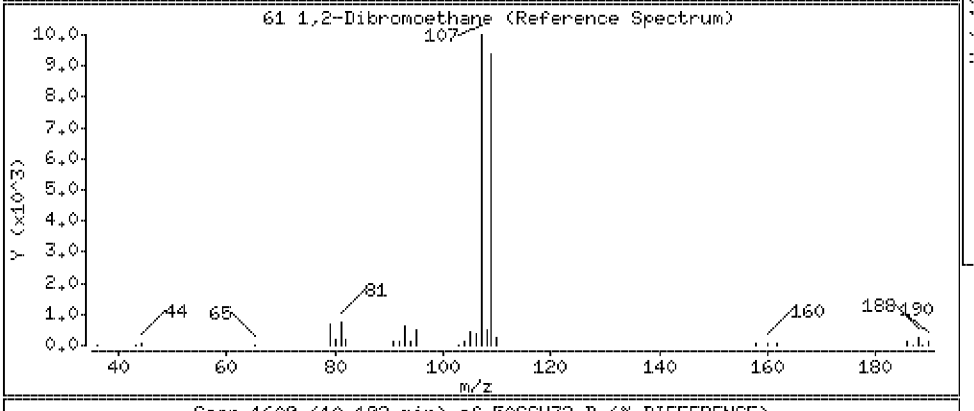
Column diameter: 0.18

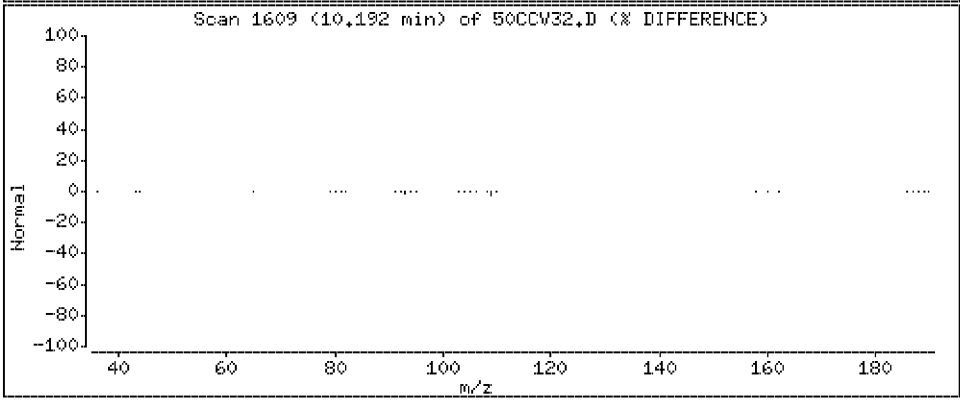
61 1,2-Dibromoethane

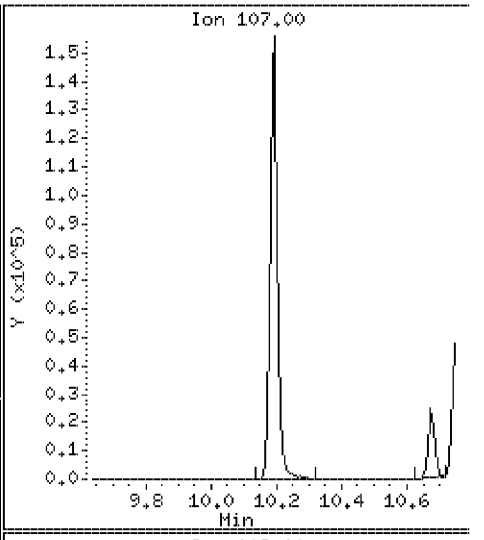
Concentration: 53.1 ug/l

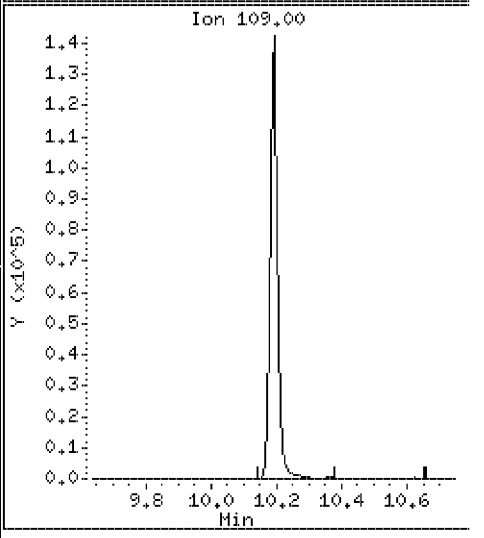












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

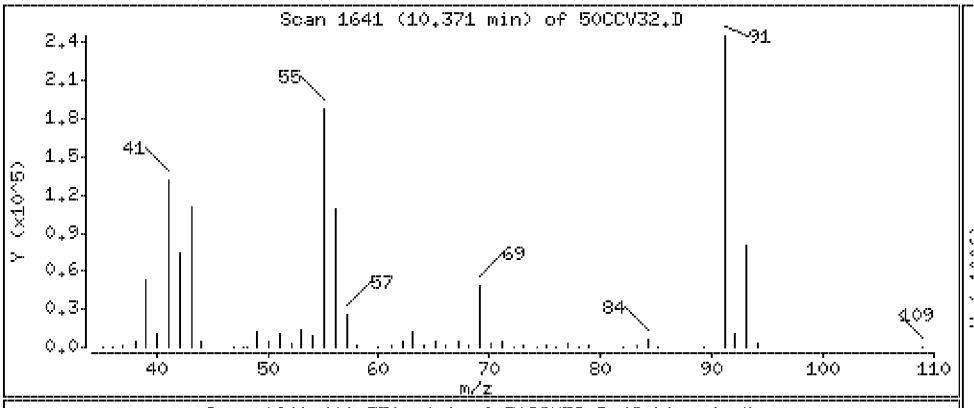
Operator:

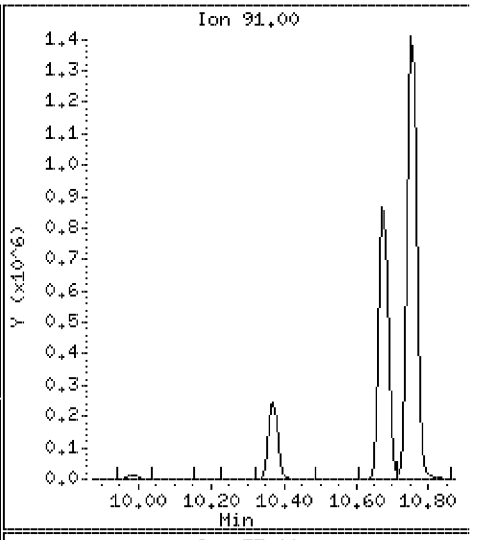
Column phase: DB-624

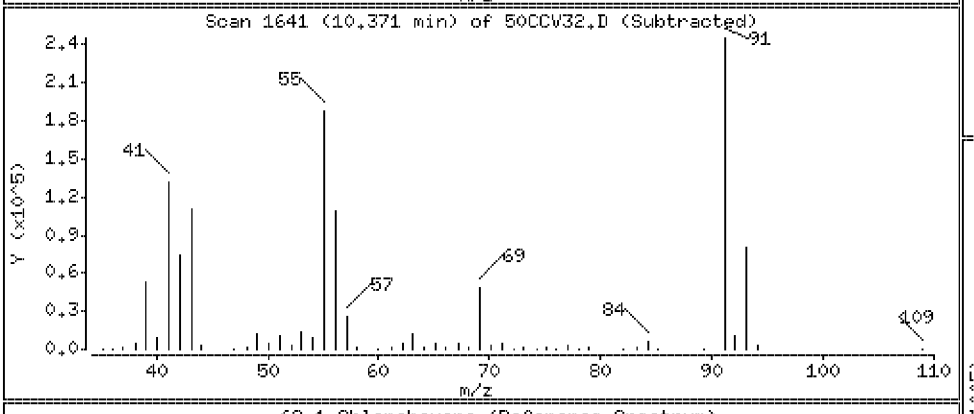
Column diameter: 0.18

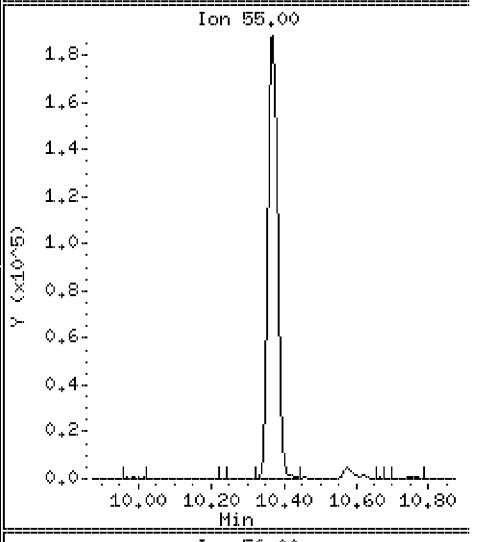
62 1-Chlorohexane

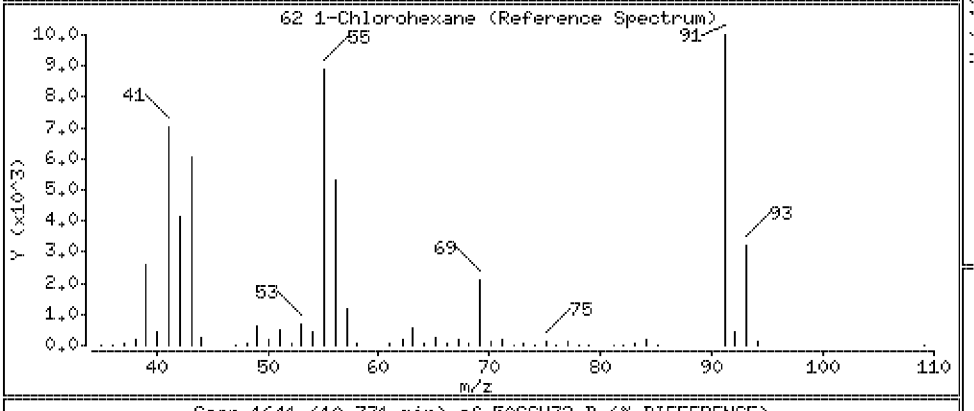
Concentration: 53.9 ug/l

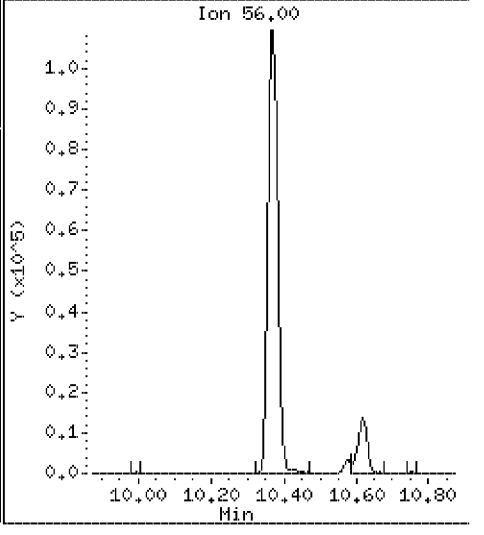


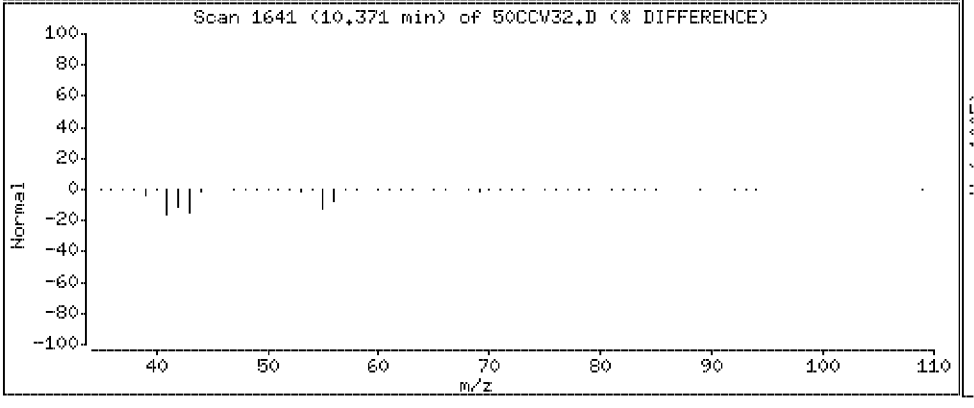












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

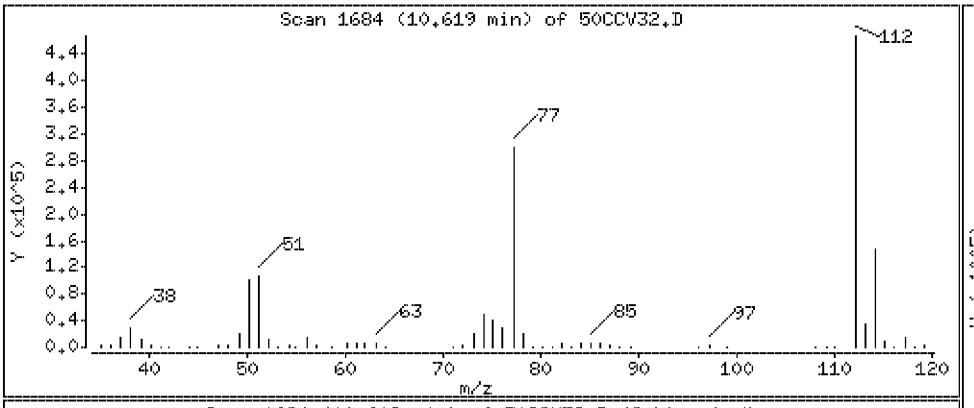
Operator:

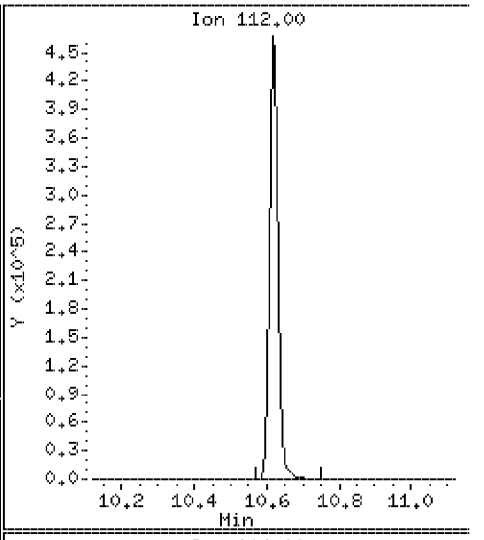
Column phase: DB-624

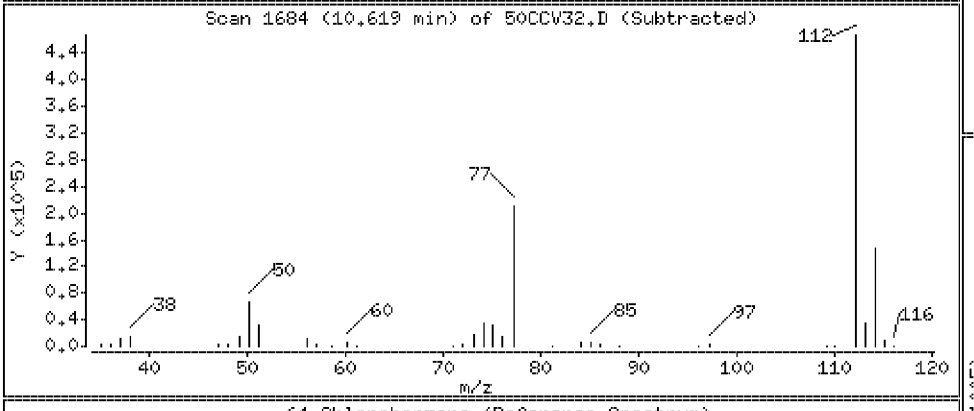
Column diameter: 0.18

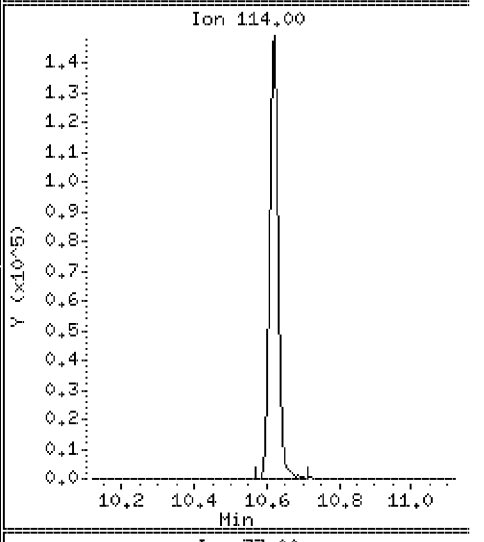
64 Chlorobenzene

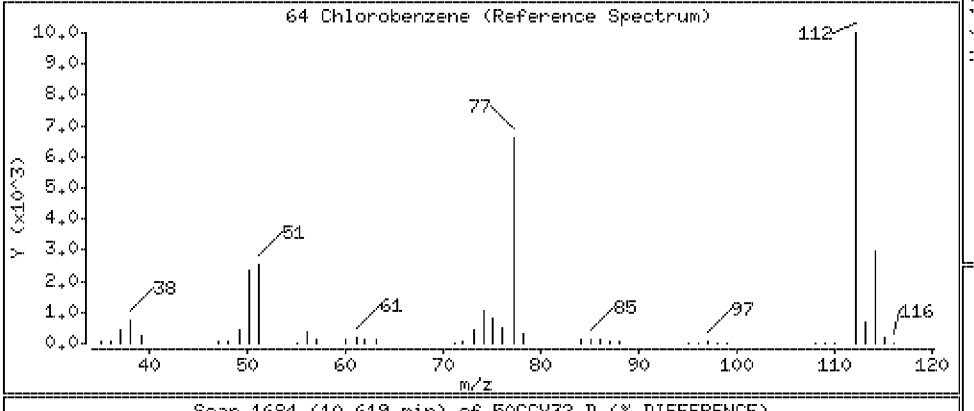
Concentration: 49.8 ug/l

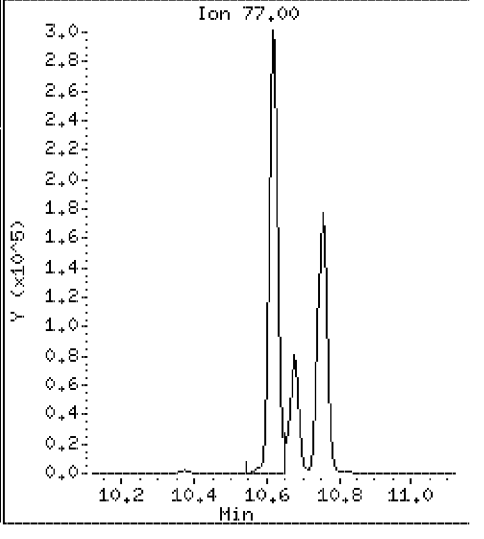


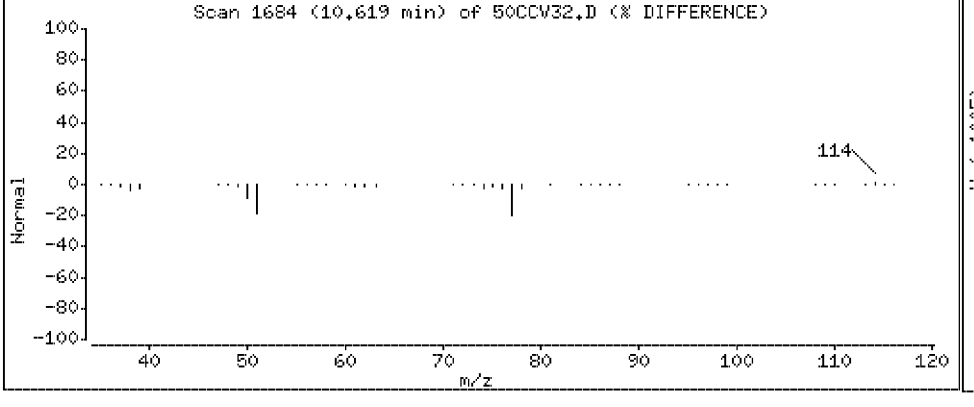












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

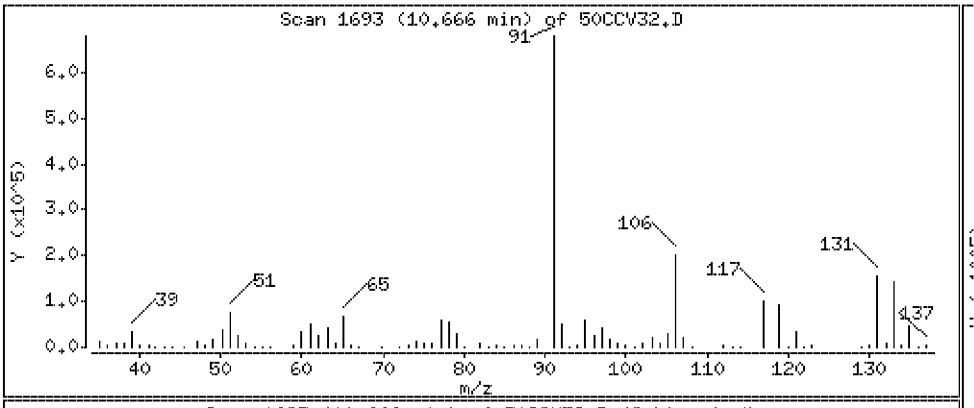
Operator:

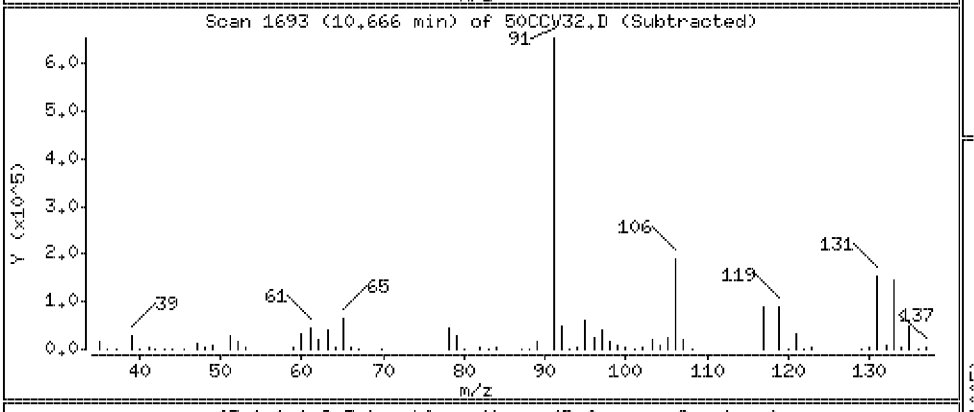
Column phase: DB-624

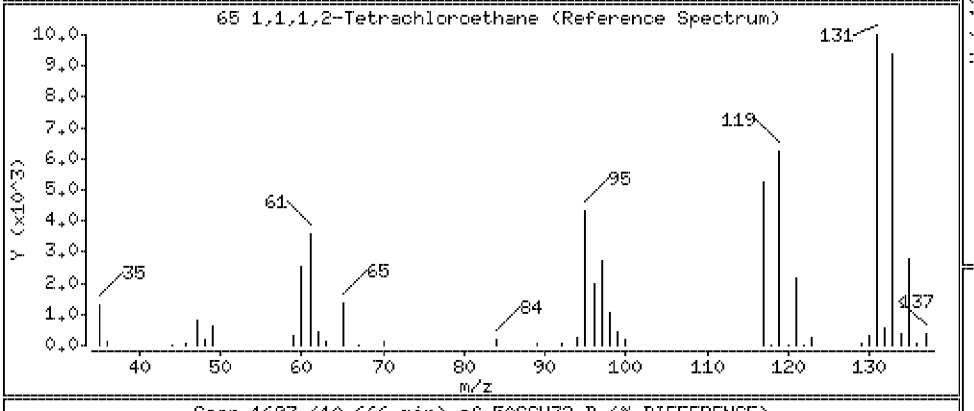
Column diameter: 0.18

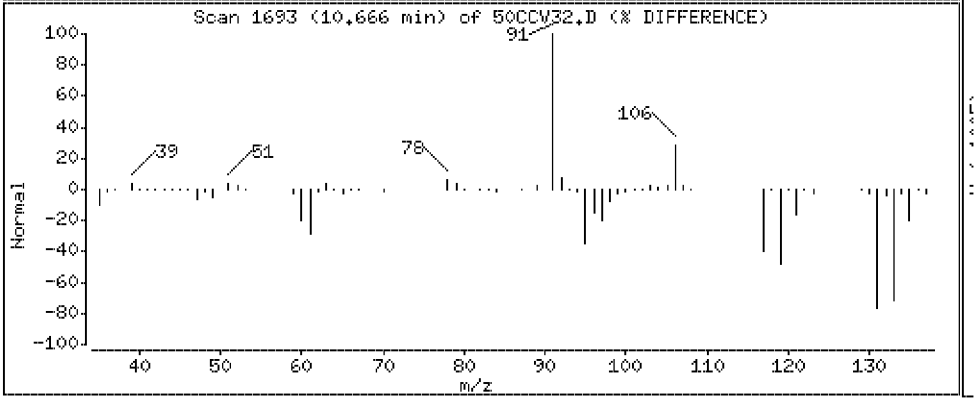
65 1,1,1,2-Tetrachloroethane

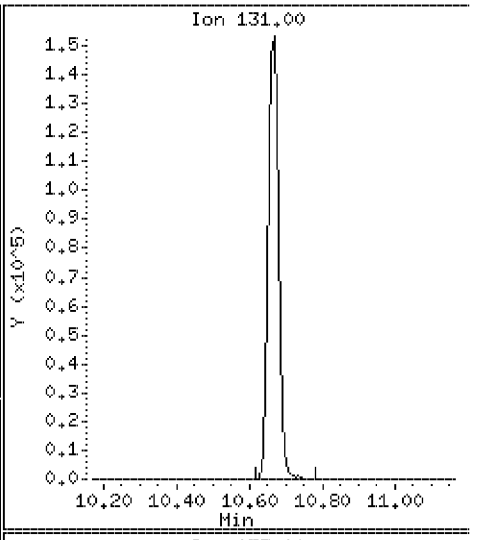
Concentration: 56.1 ug/l

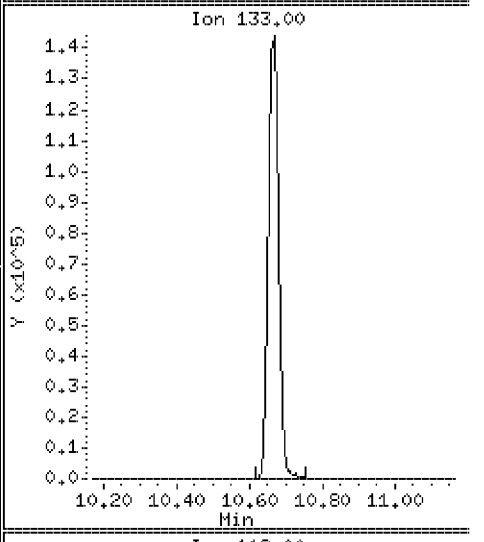


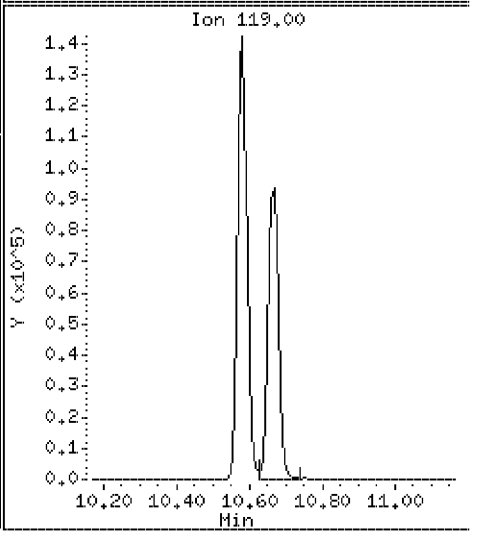












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

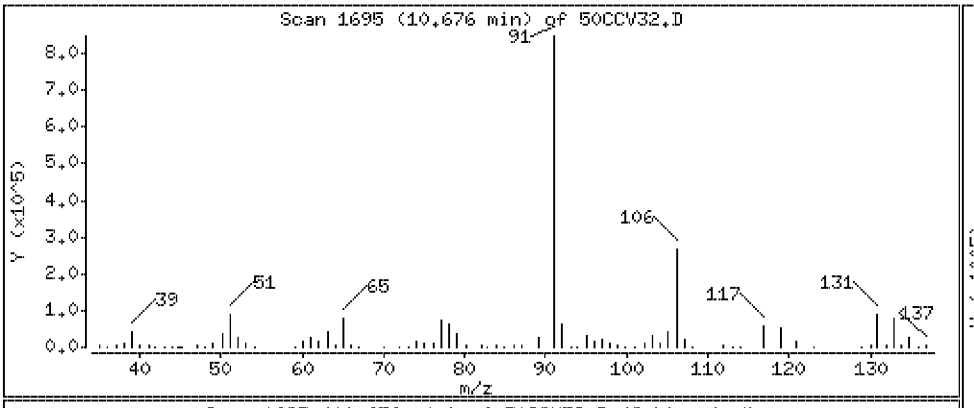
Operator:

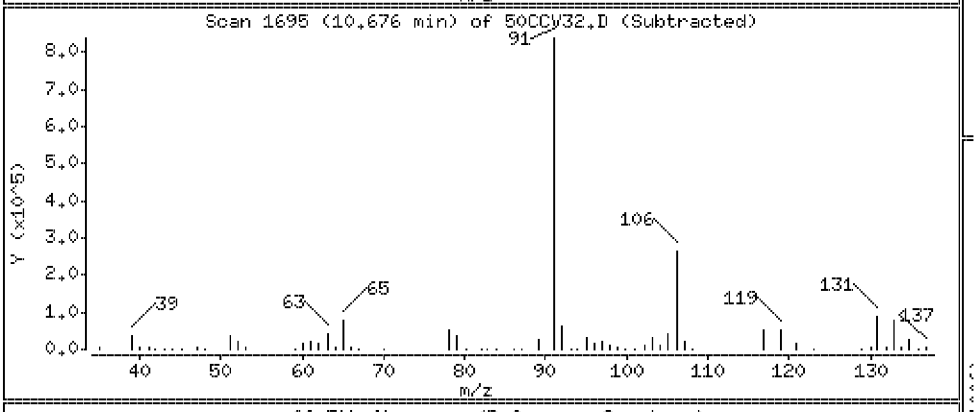
Column phase: DB-624

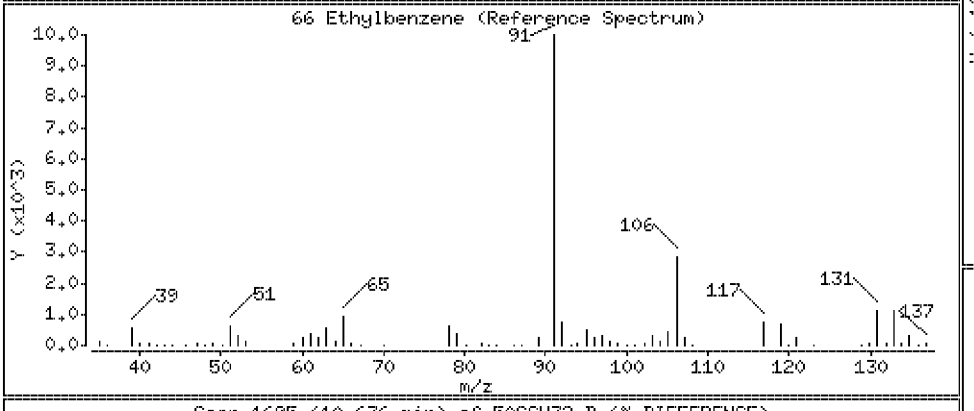
Column diameter: 0.18

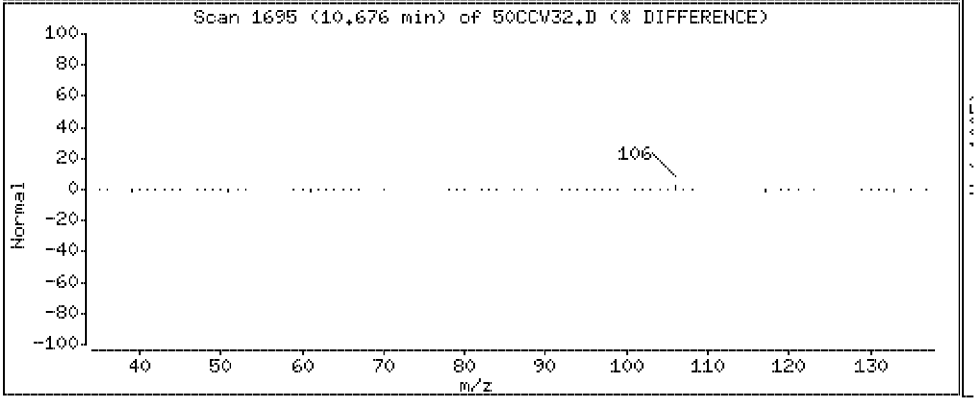
66 Ethylbenzene

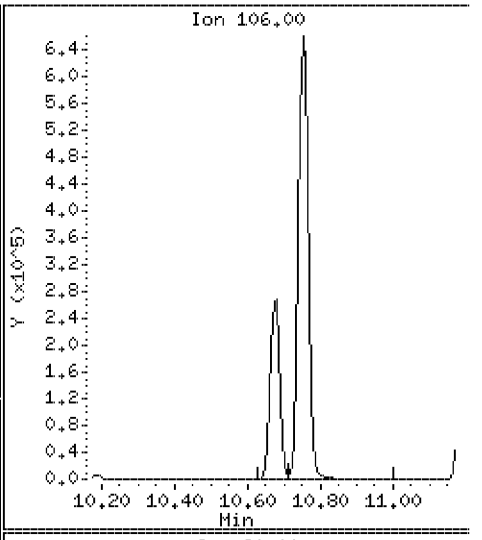
Concentration: 51.1 ug/l

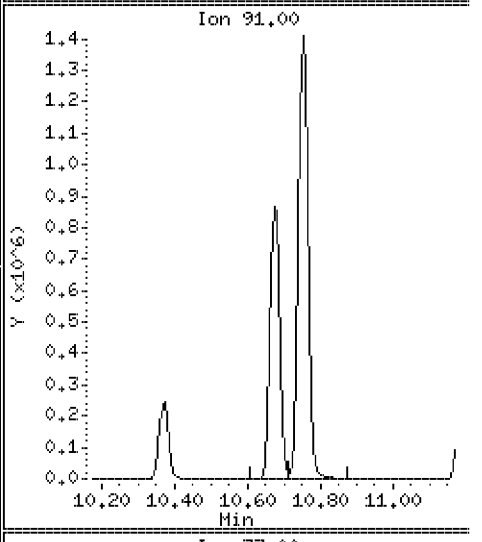


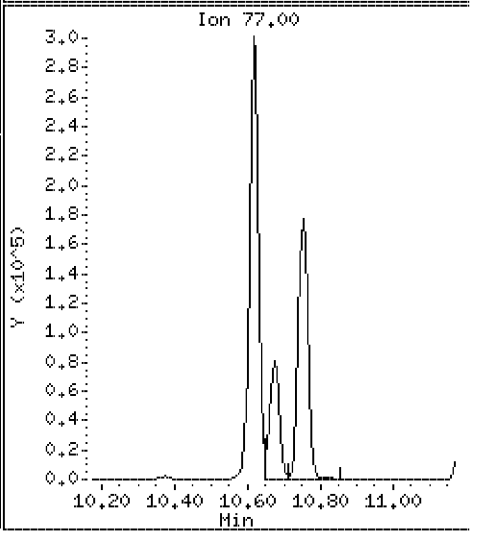












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

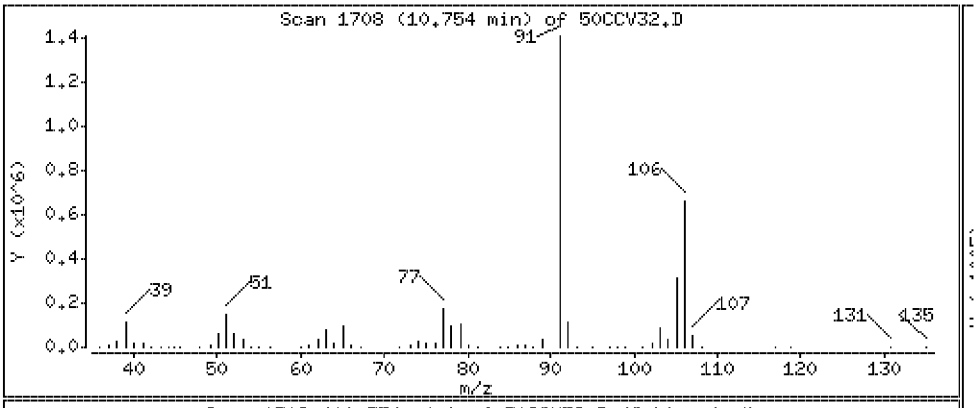
Operator:

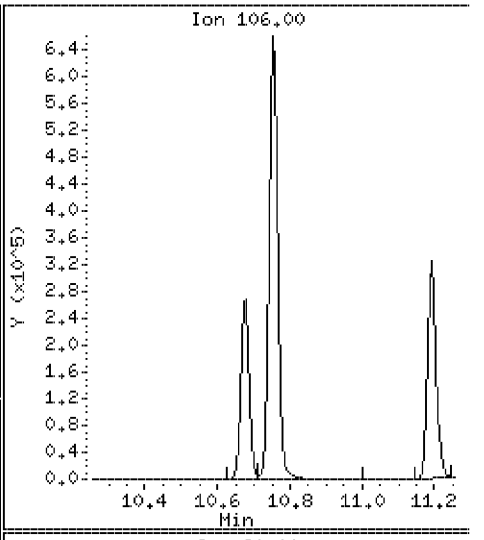
Column phase: DB-624

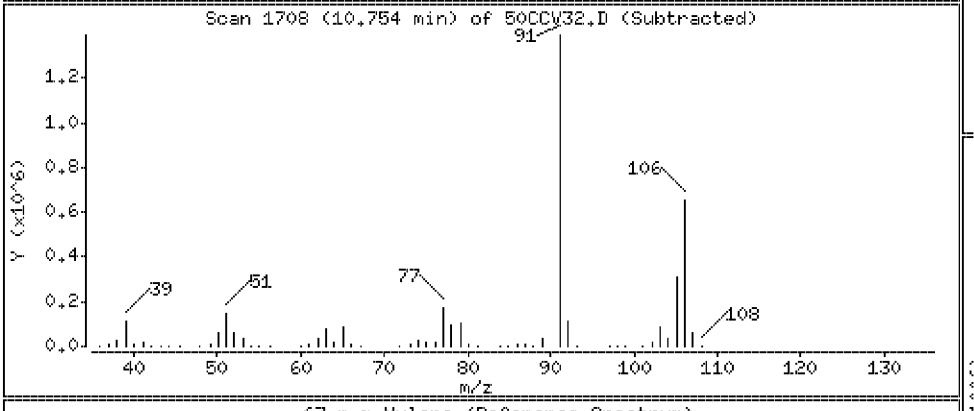
Column diameter: 0.18

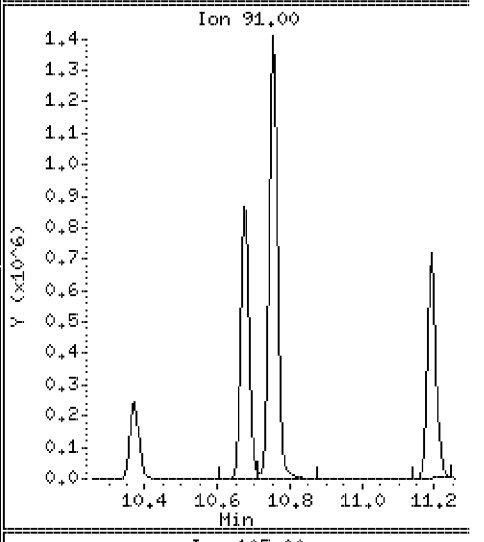
67 p,m-Xylene

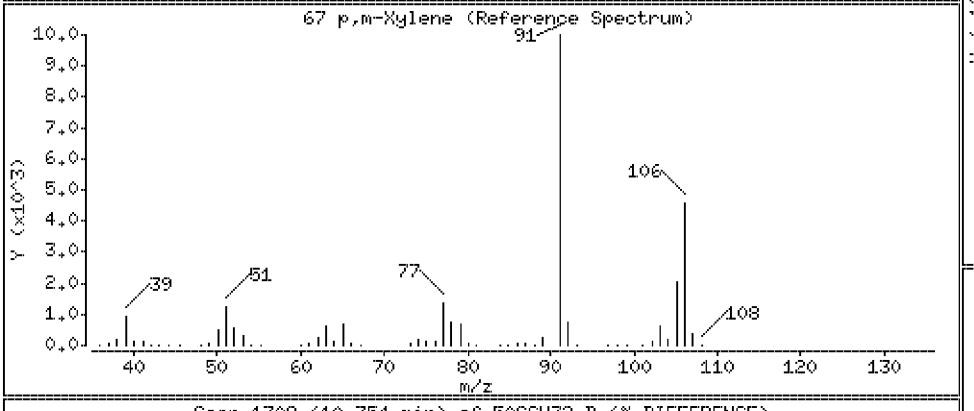
Concentration: 105 ug/l

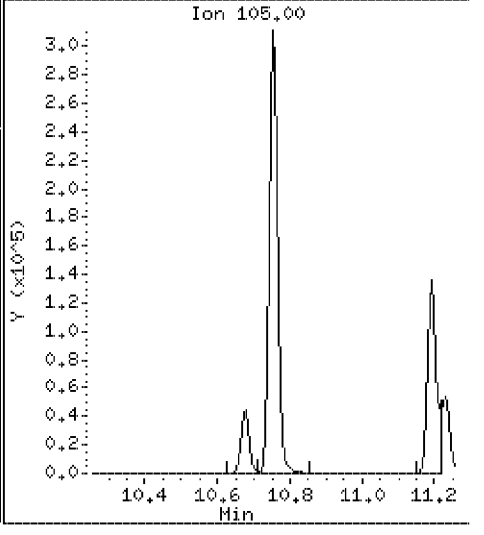


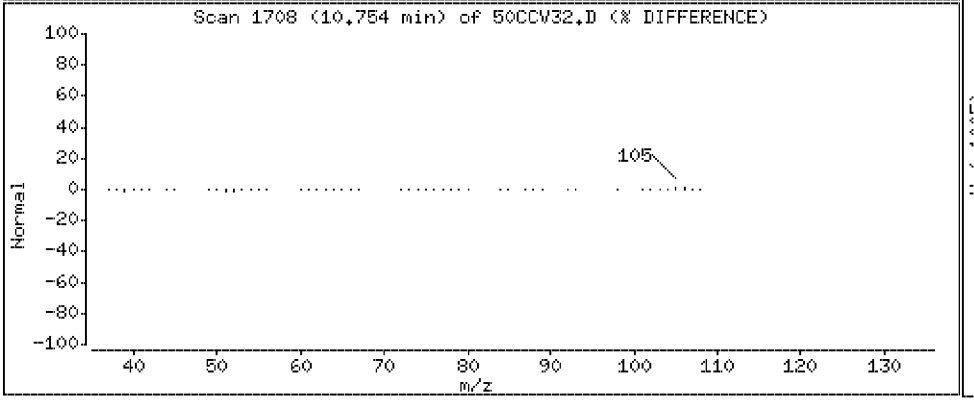












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

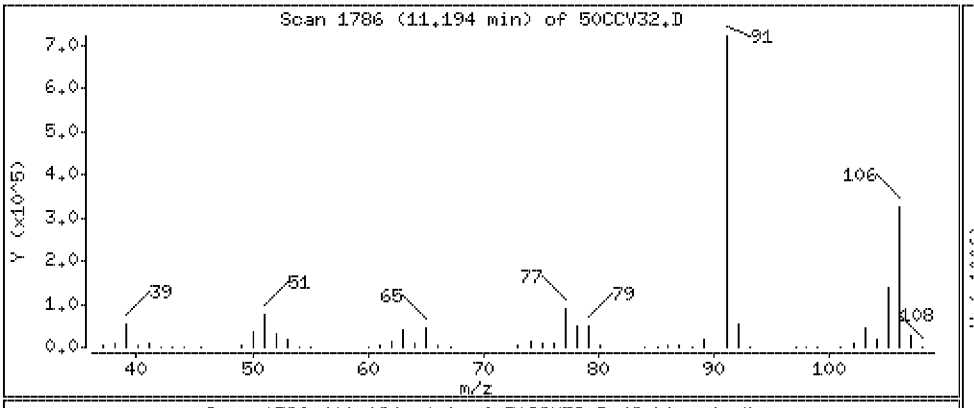
Operator:

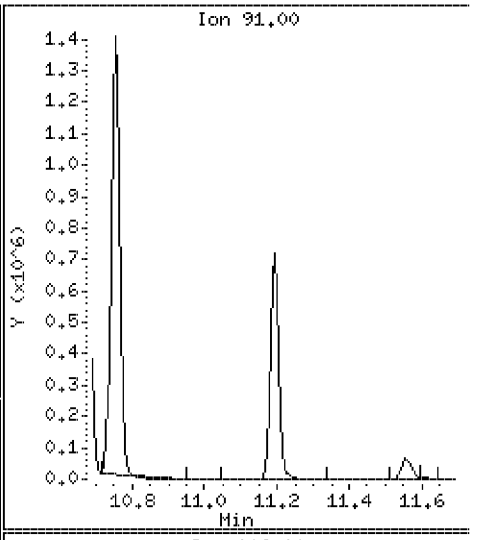
Column phase: DB-624

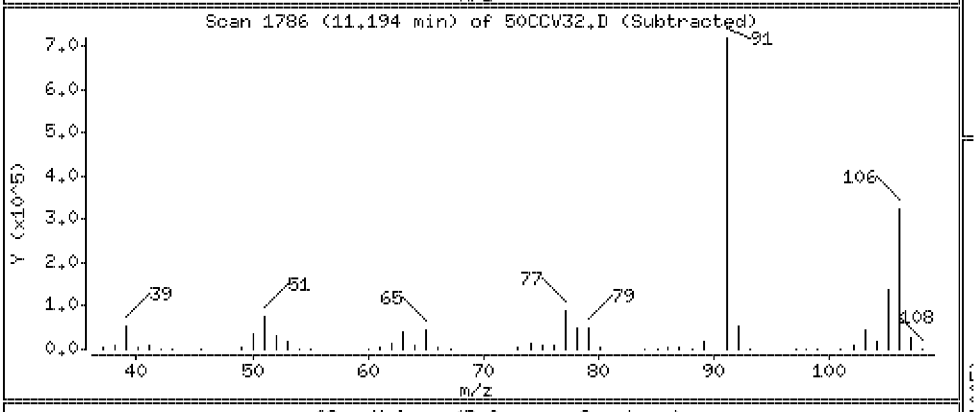
Column diameter: 0.18

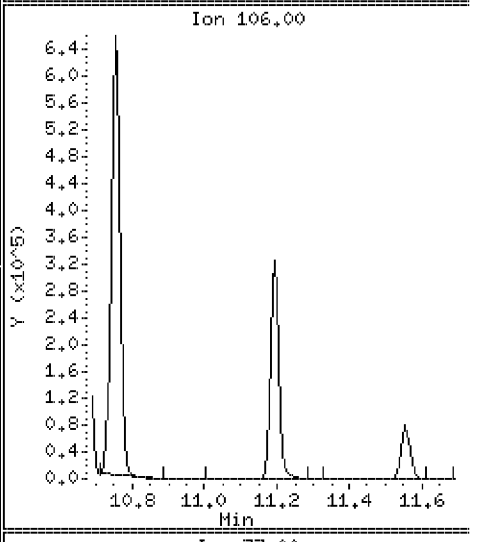
68 o-Xylene

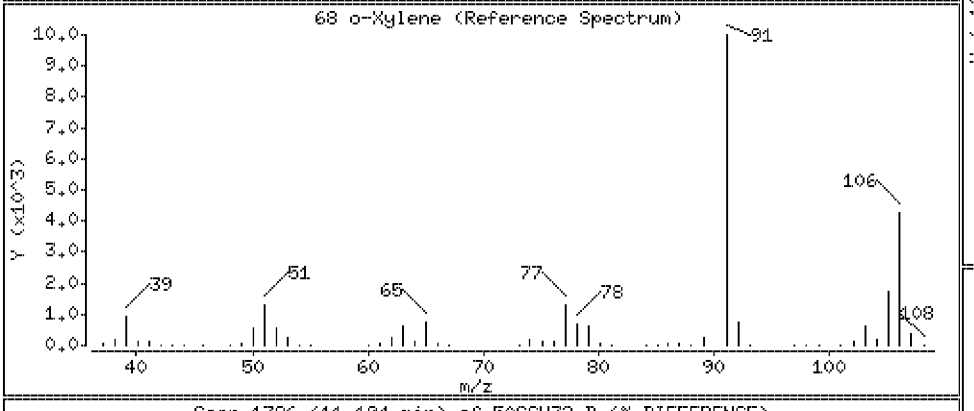
Concentration: 52.7 ug/l

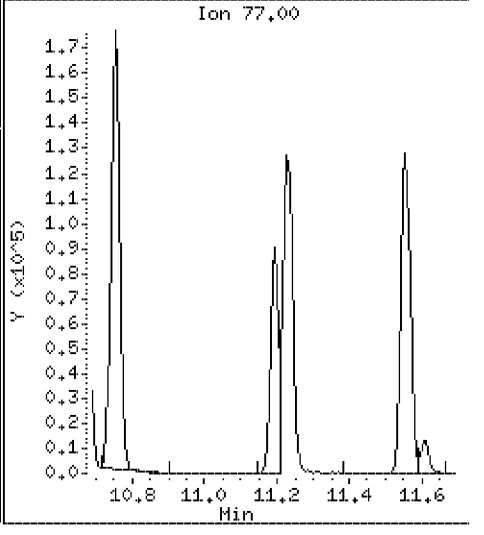


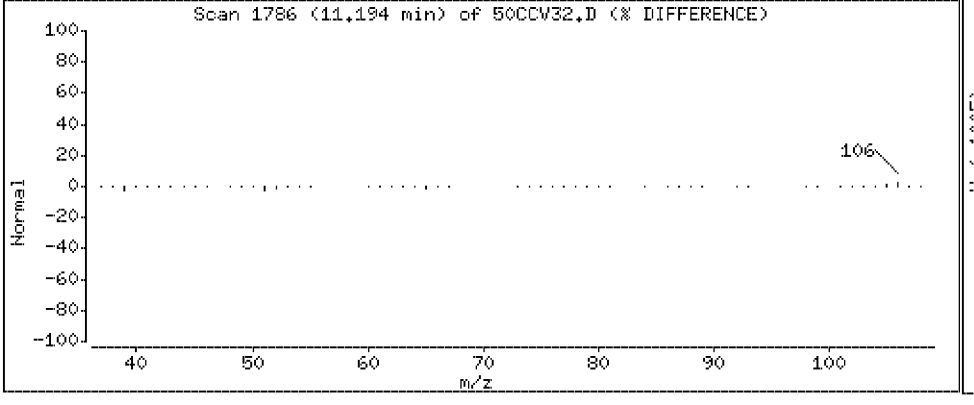












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

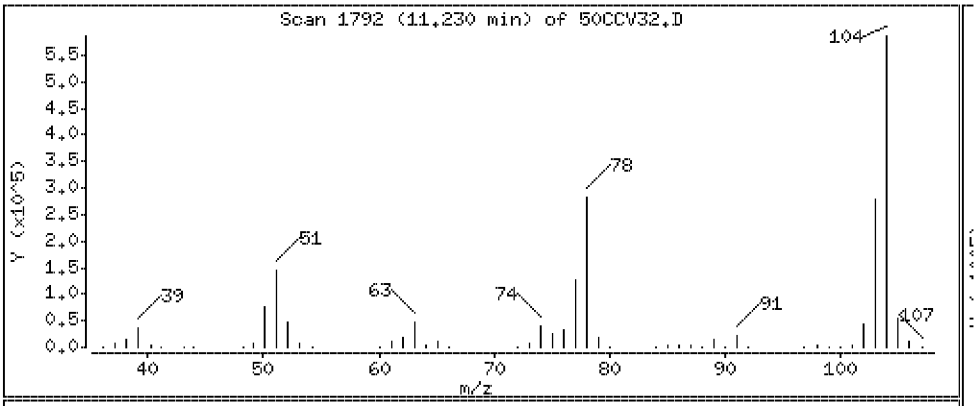
Operator:

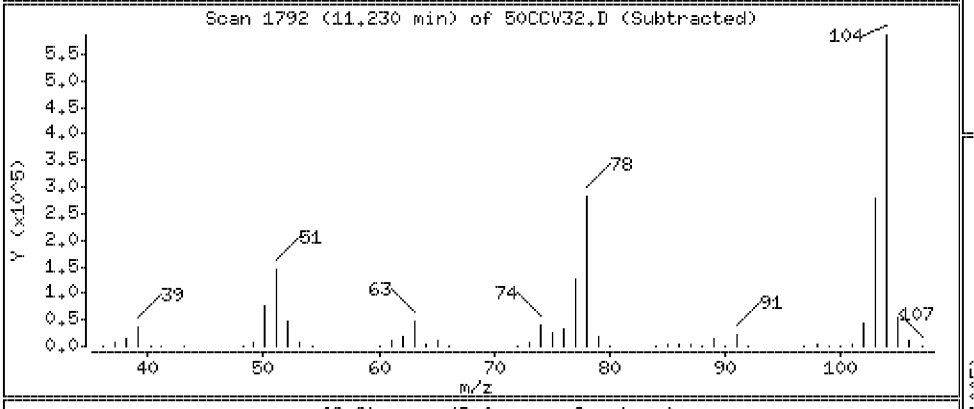
Column phase: DB-624

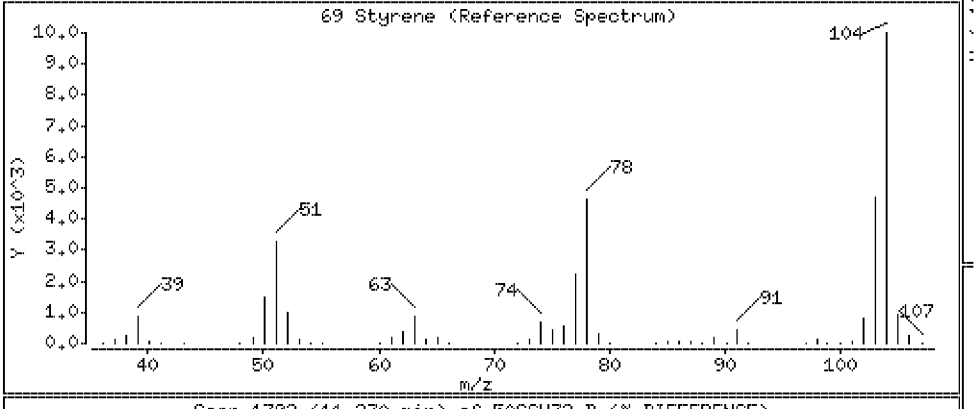
Column diameter: 0.18

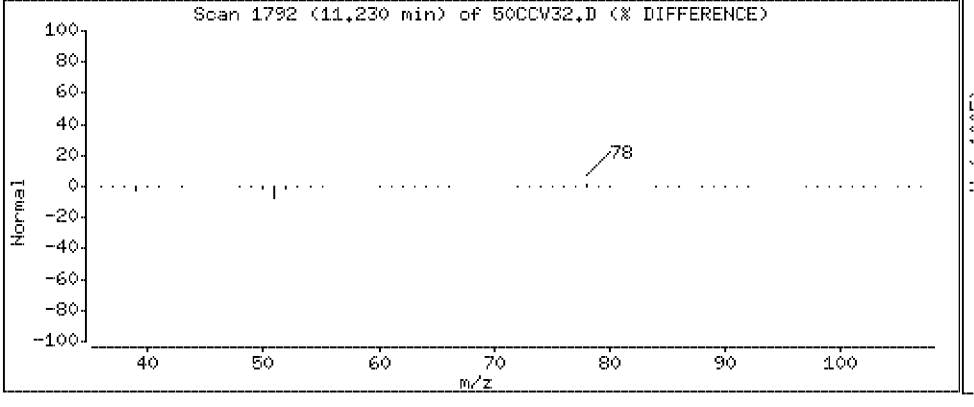
69 Styrene

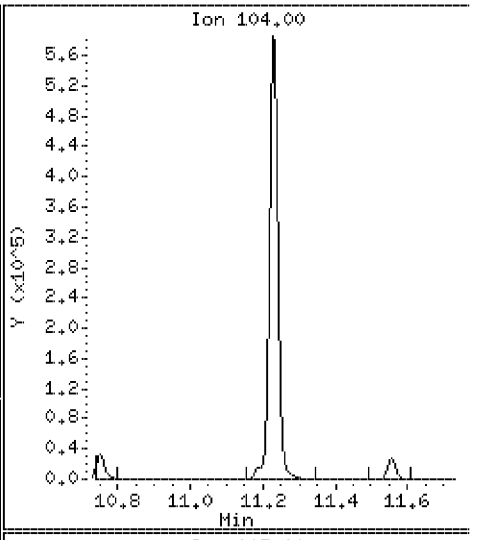
Concentration: 52.8 ug/l

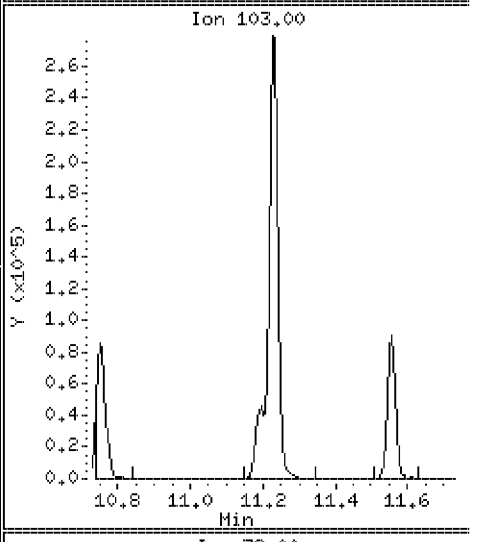


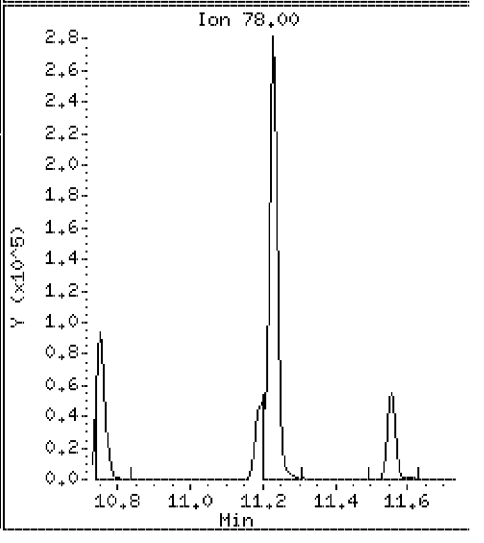












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

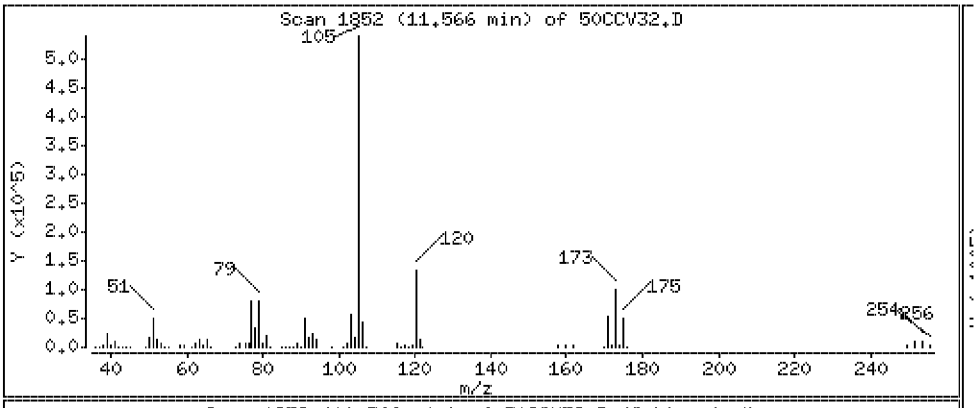
Operator:

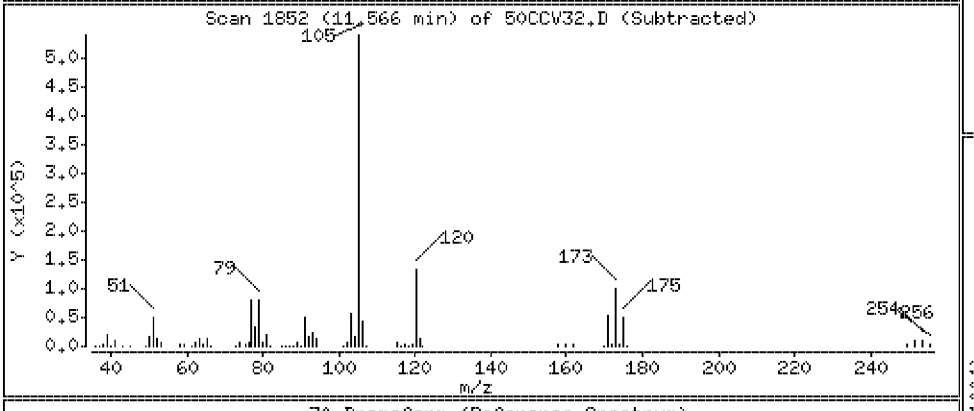
Column phase: DB-624

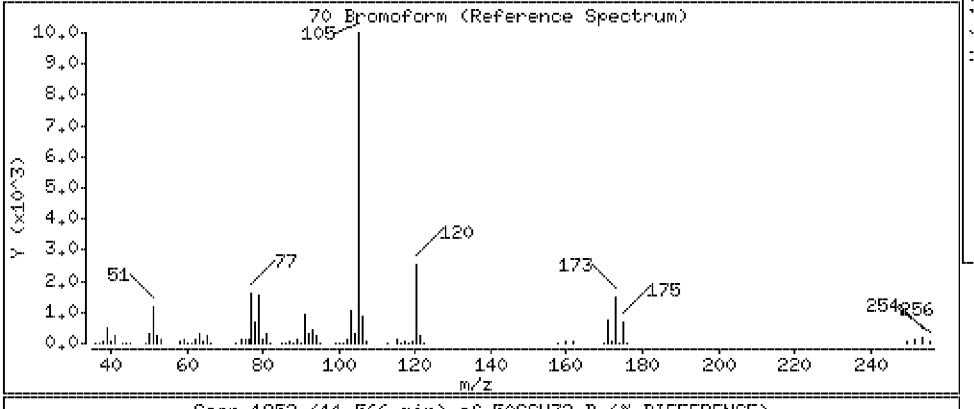
Column diameter: 0.18

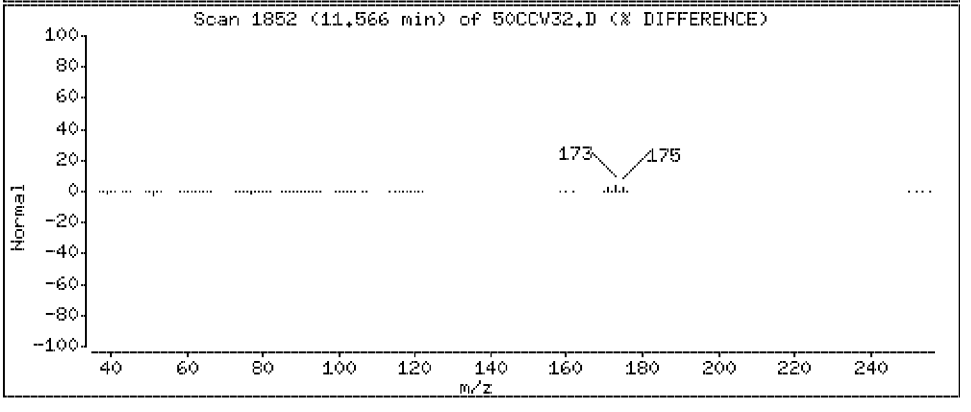
70 Bromoform

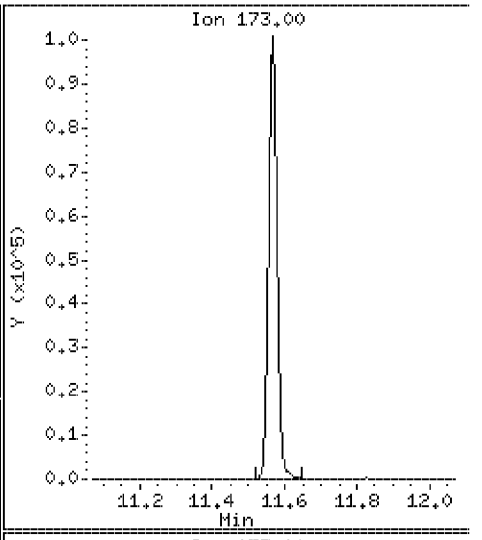
Concentration: 57.2 ug/l

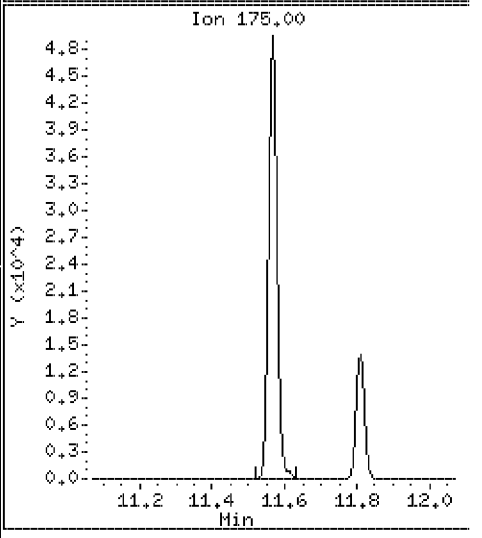












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

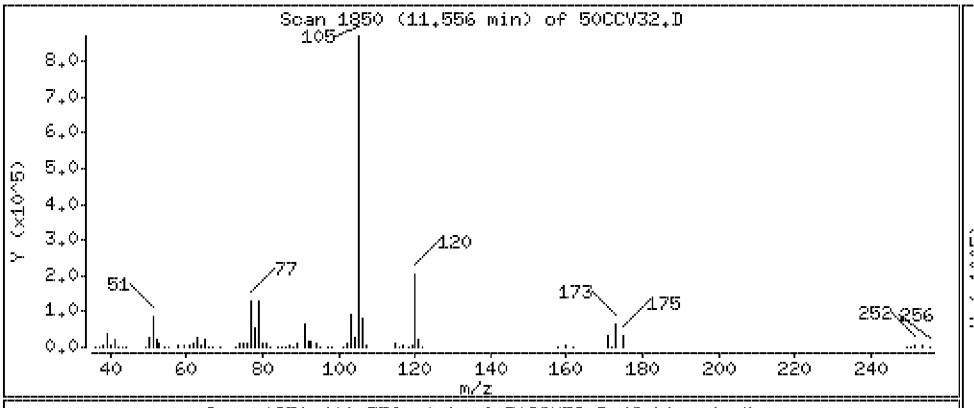
Operator:

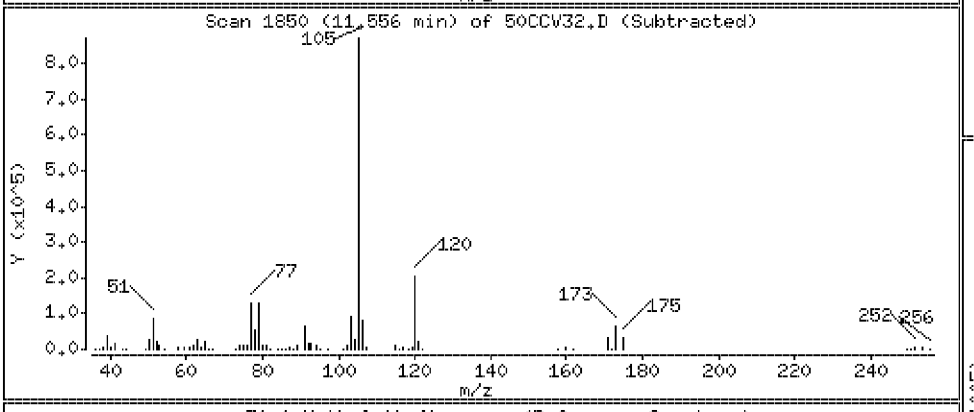
Column phase: DB-624

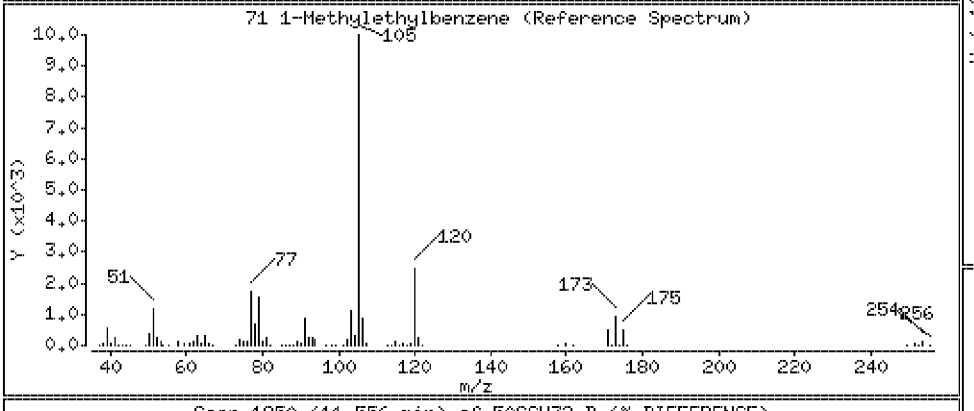
Column diameter: 0.18

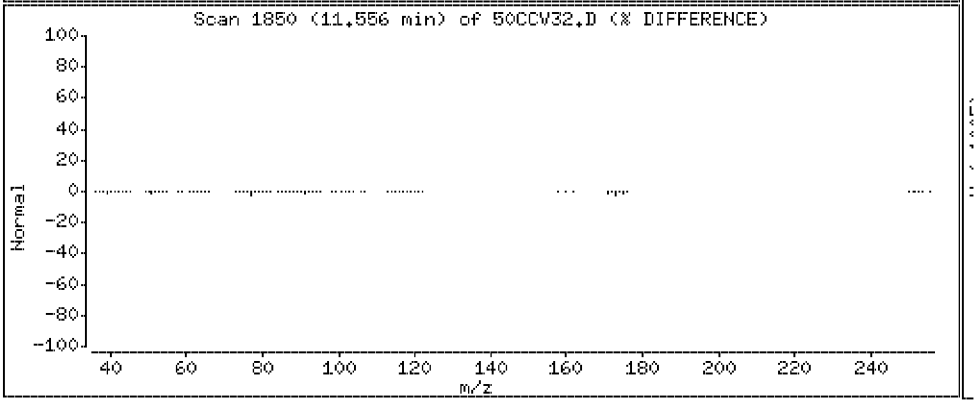
71 1-Methylethylbenzene

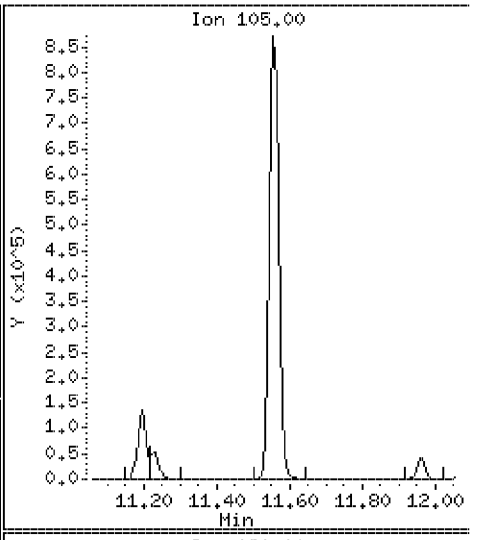
Concentration: 50.4 ug/l

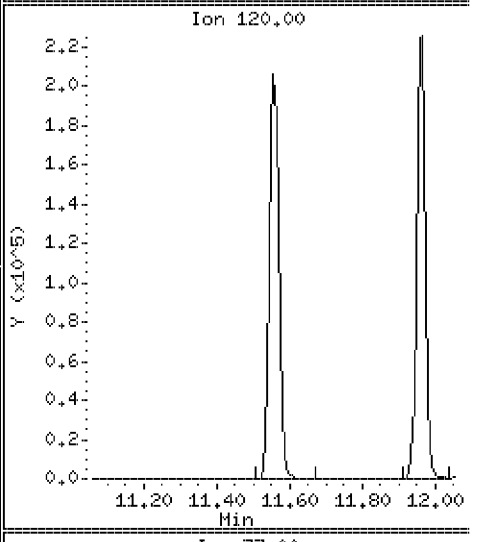


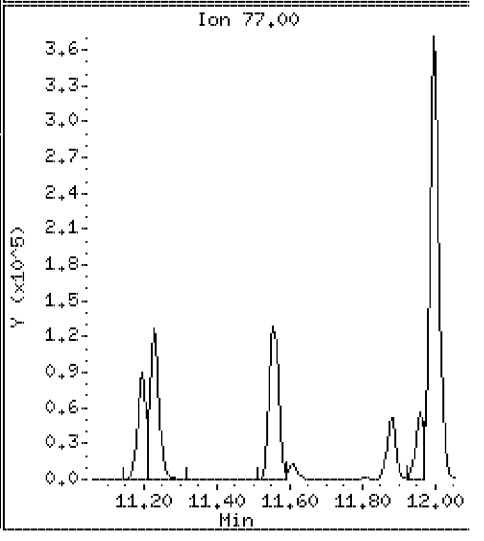












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

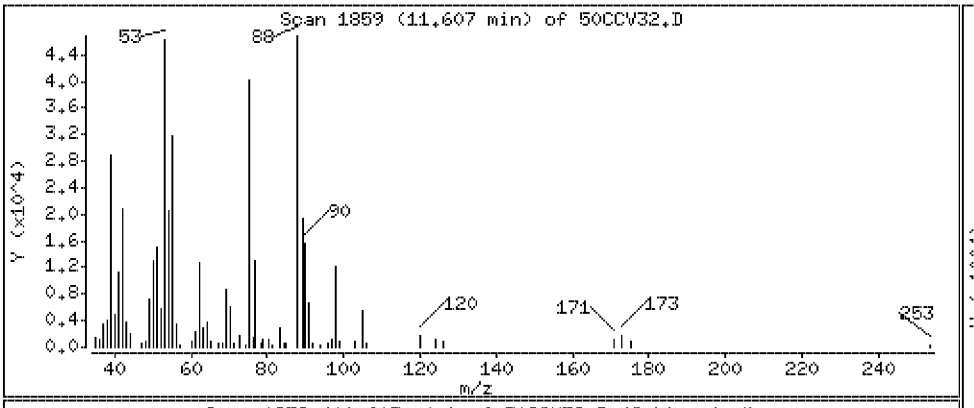
Operator:

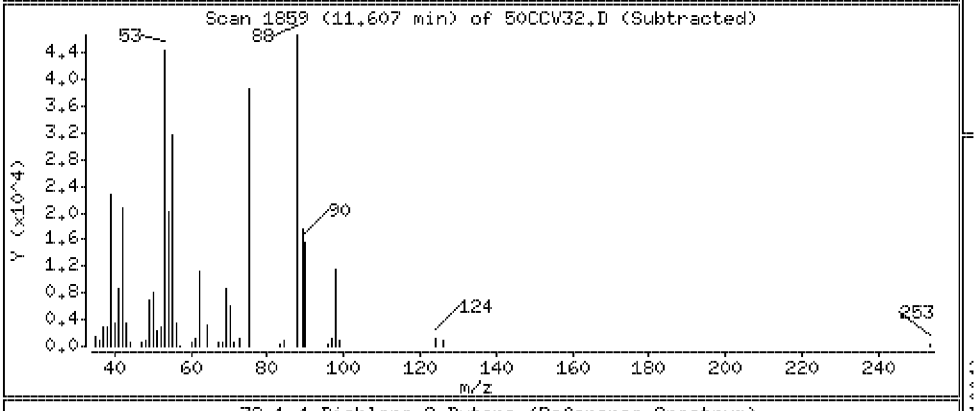
Column phase: DB-624

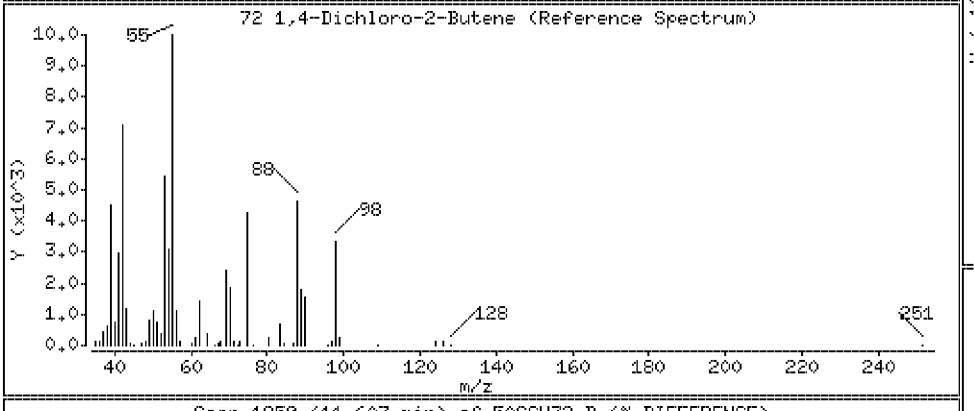
Column diameter: 0.18

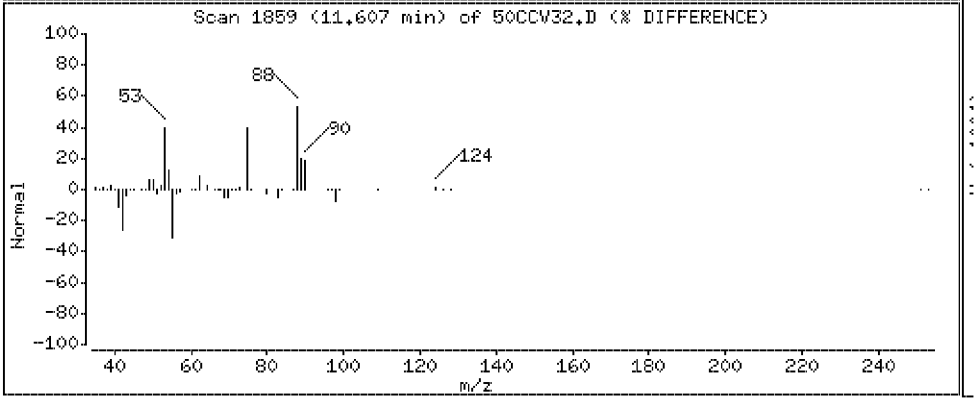
72 1,4-Dichloro-2-Butene

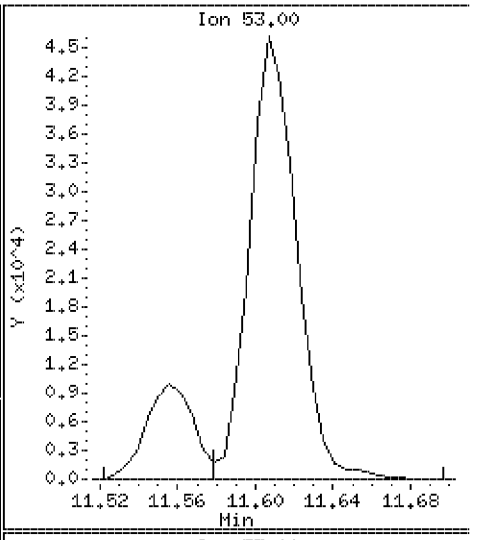
Concentration: 61.1 ug/l

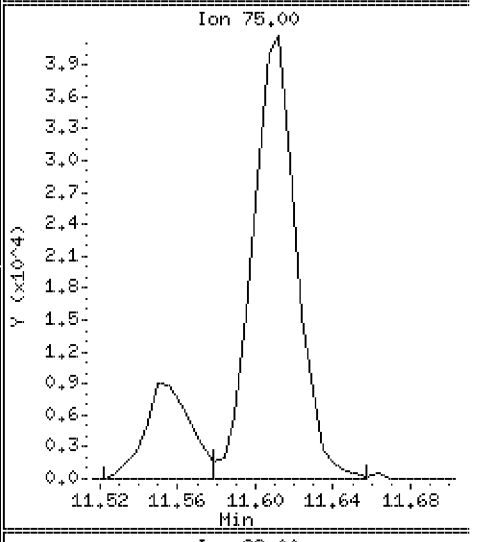


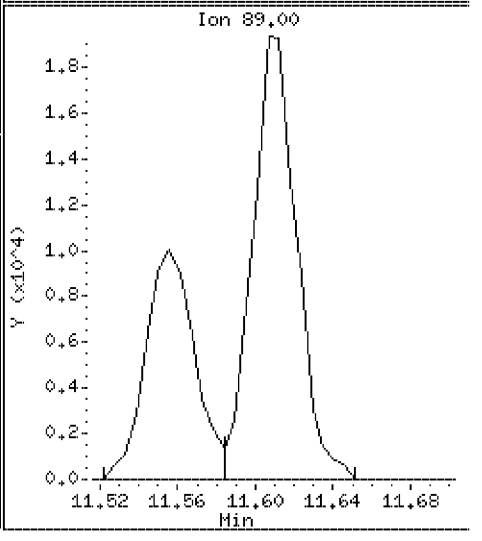












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

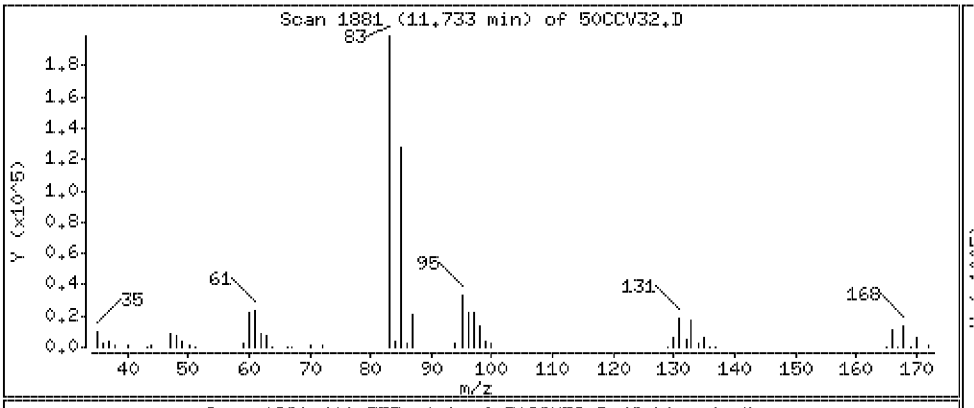
Operator:

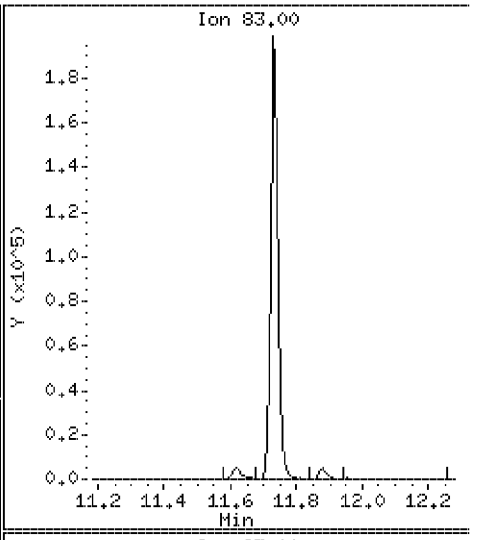
Column phase: DB-624

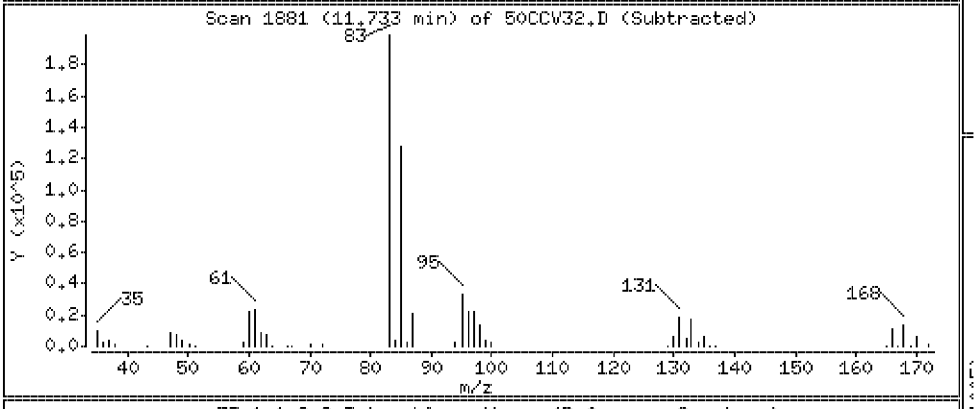
Column diameter: 0.18

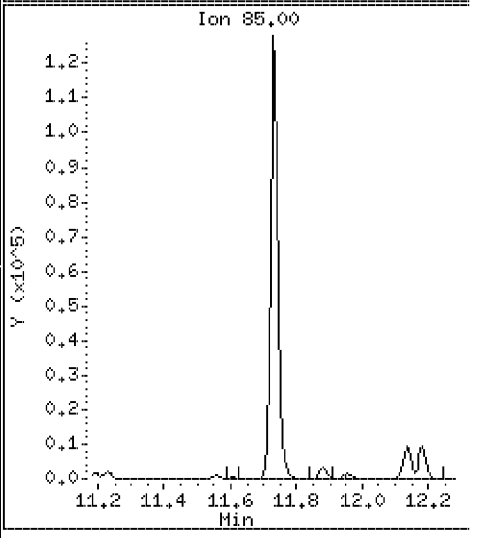
73 1,1,2,2-Tetrachloroethane

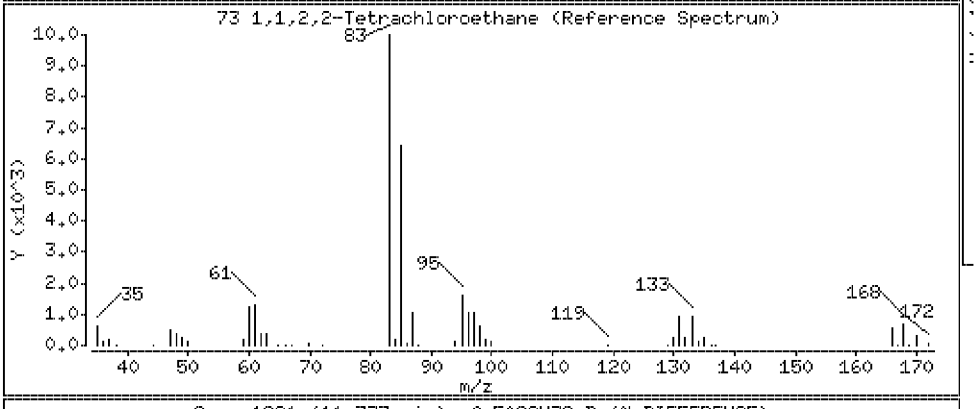
Concentration: 46.0 ug/l

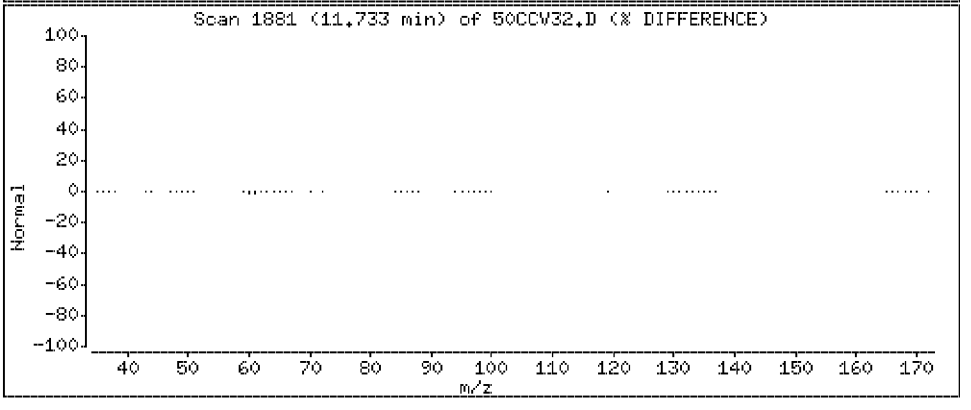












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

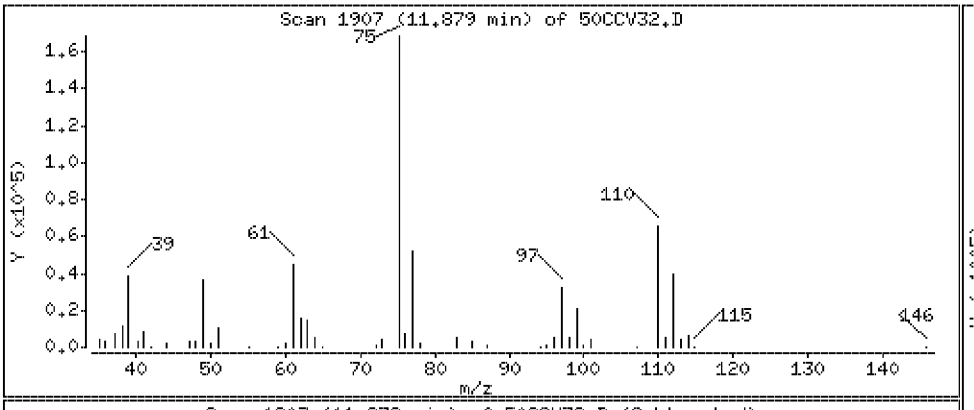
Operator:

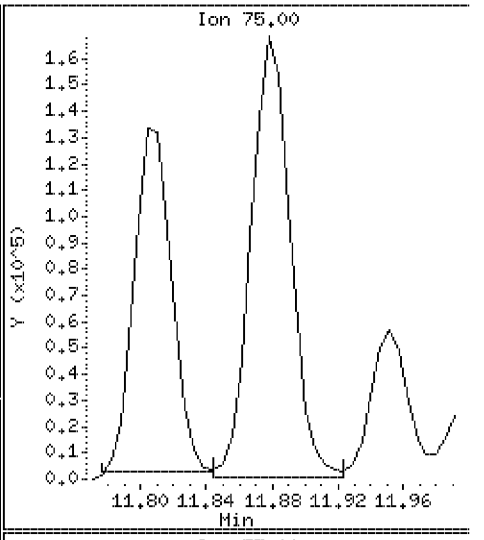
Column phase: DB-624

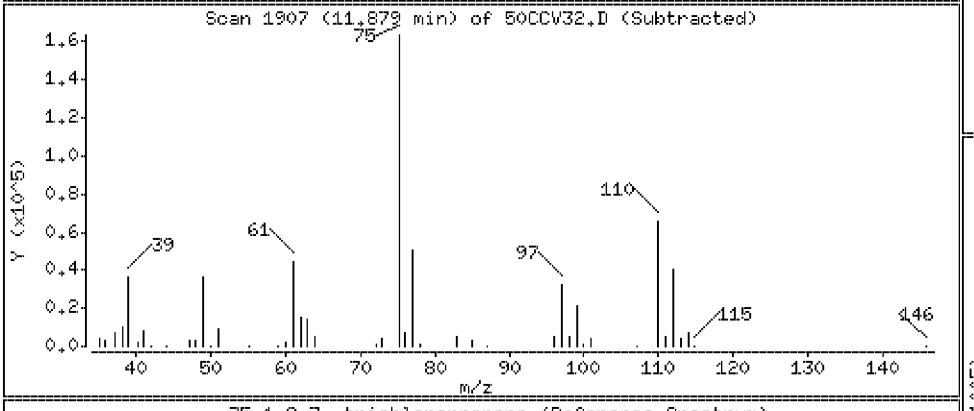
Column diameter: 0.18

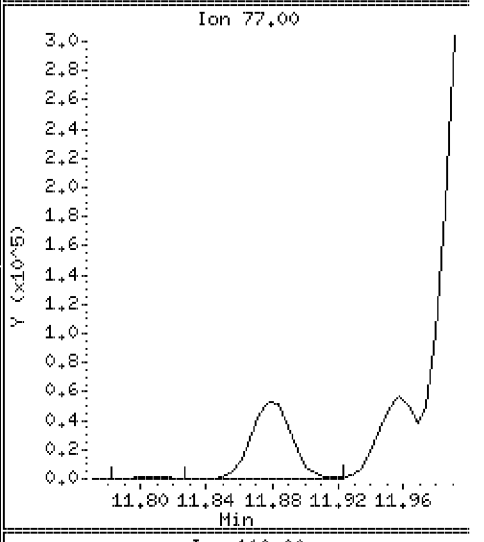
75 1,2,3- trichloropropane

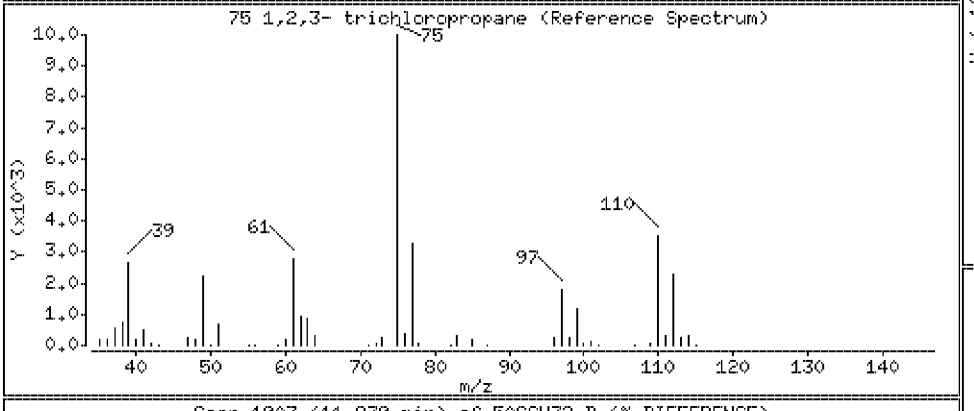
Concentration: 50.5 ug/l

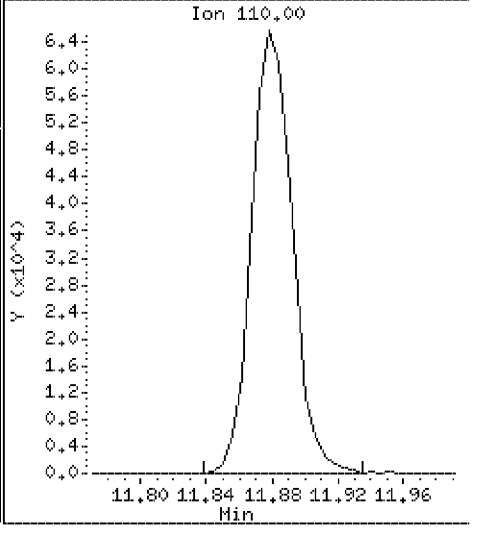


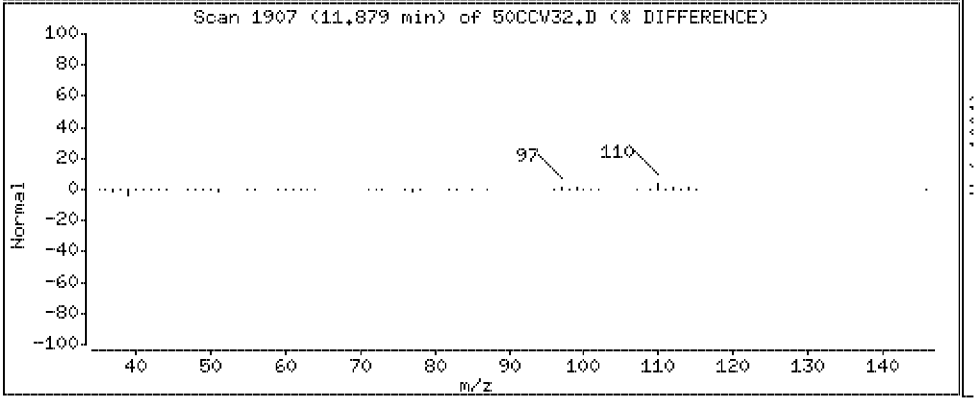












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

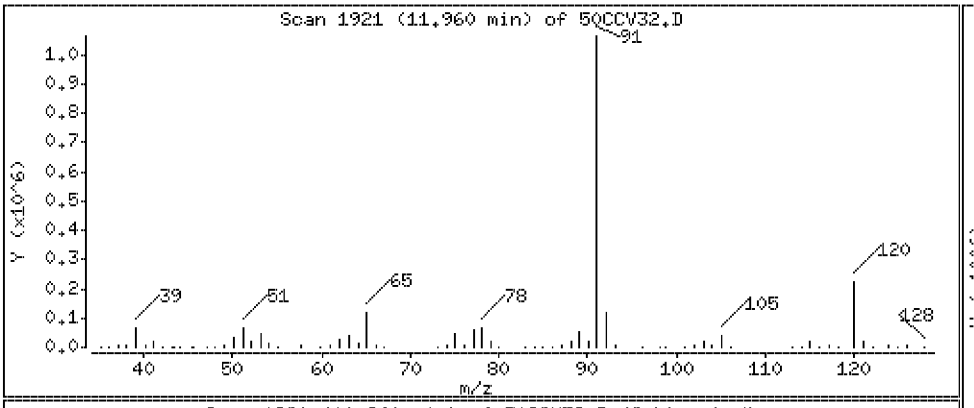
Operator:

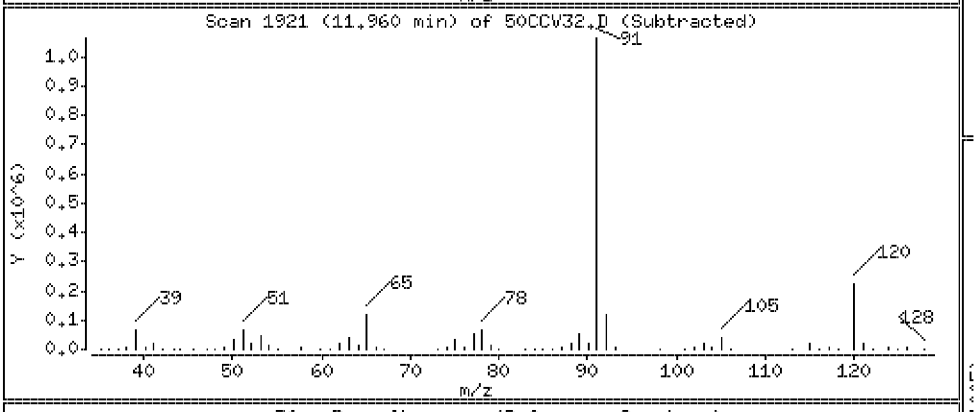
Column phase: DB-624

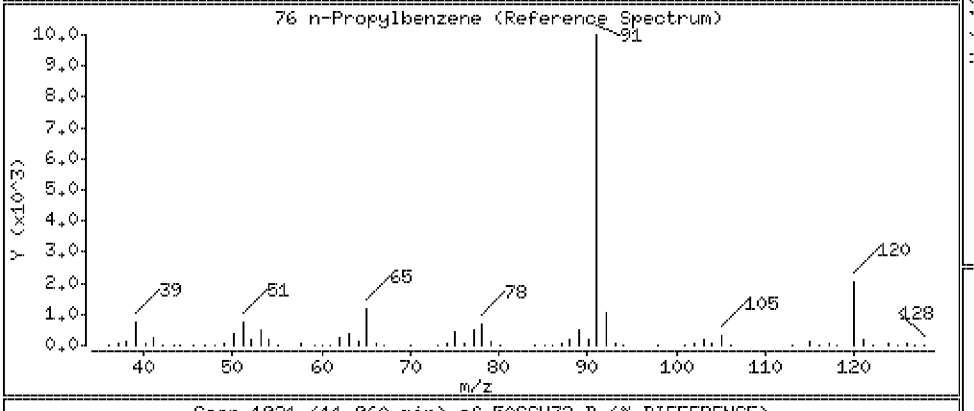
Column diameter: 0.18

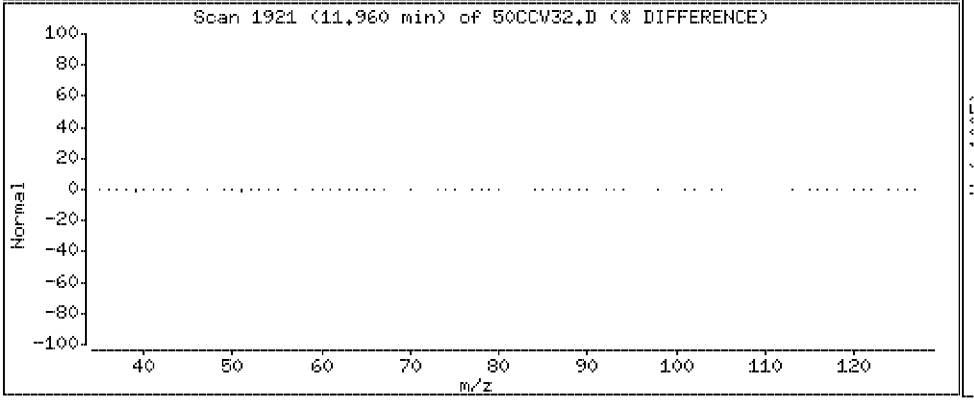
76 n-Propylbenzene

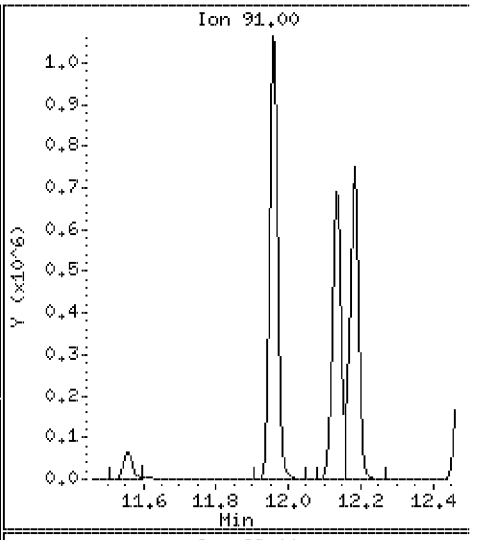
Concentration: 49.1 ug/l

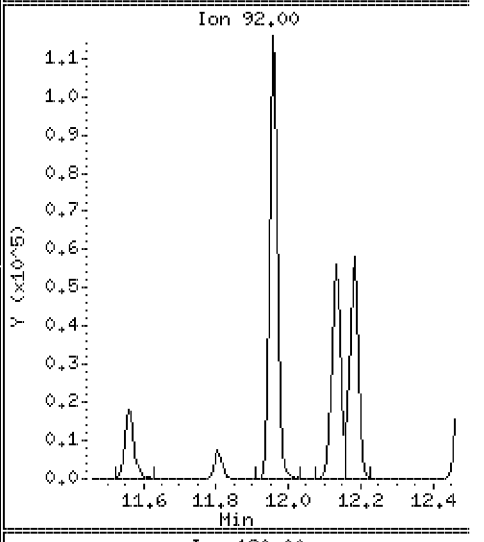


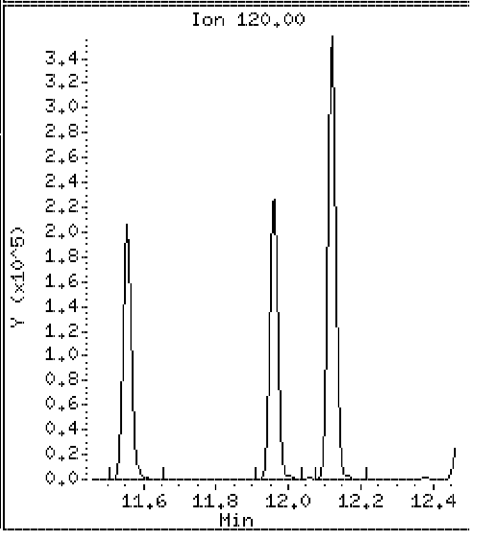












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

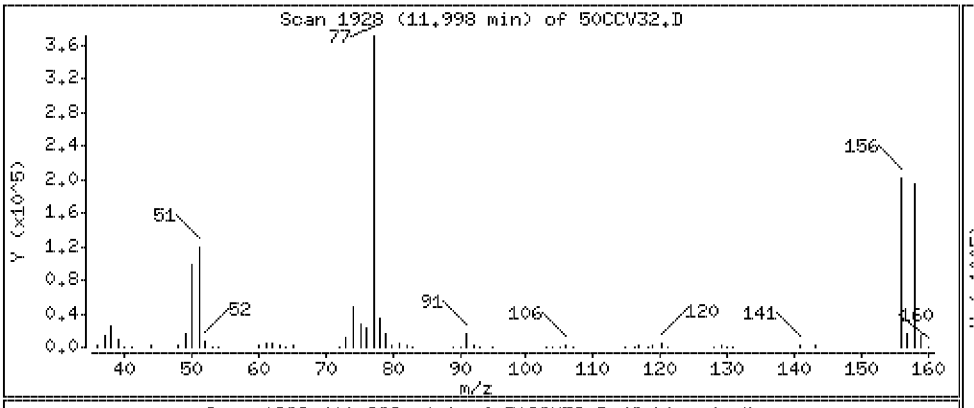
Operator:

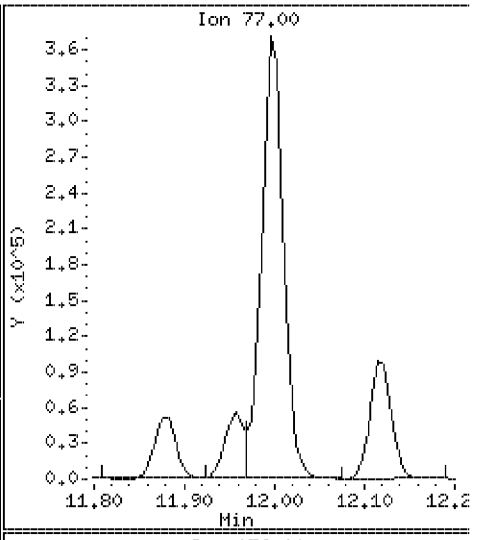
Column phase: DB-624

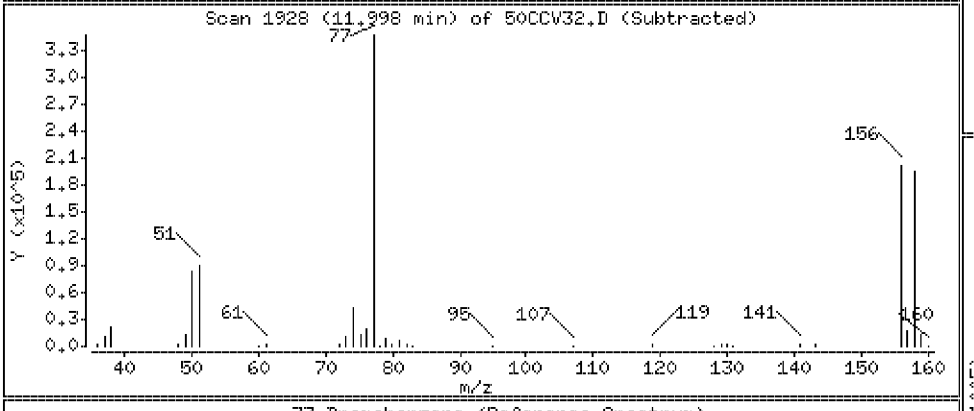
Column diameter: 0.18

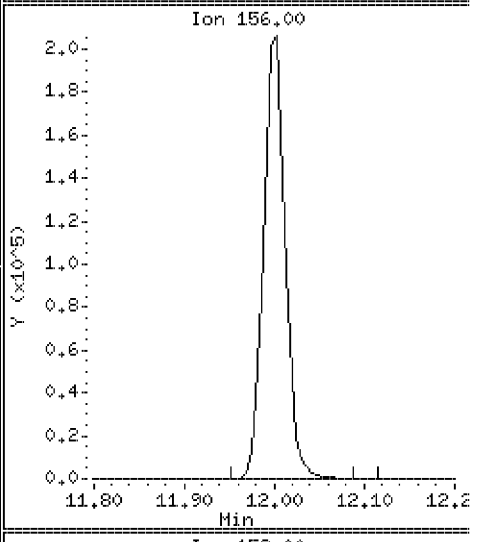
77 Bromobenzene

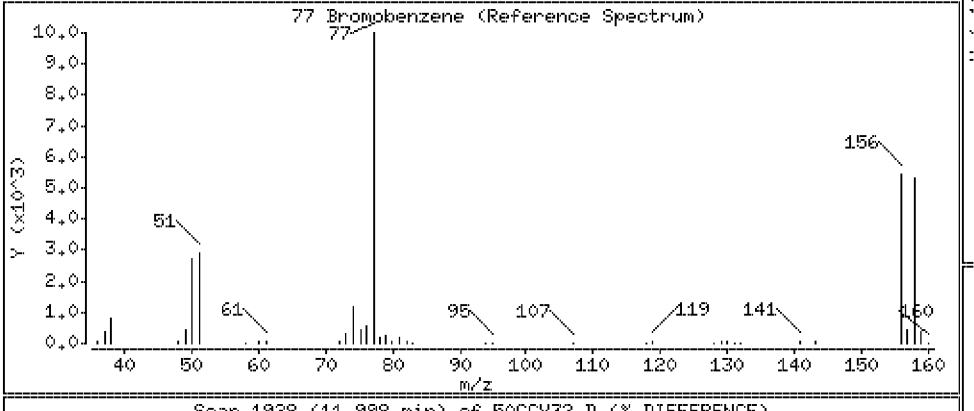
Concentration: 46.3 ug/l

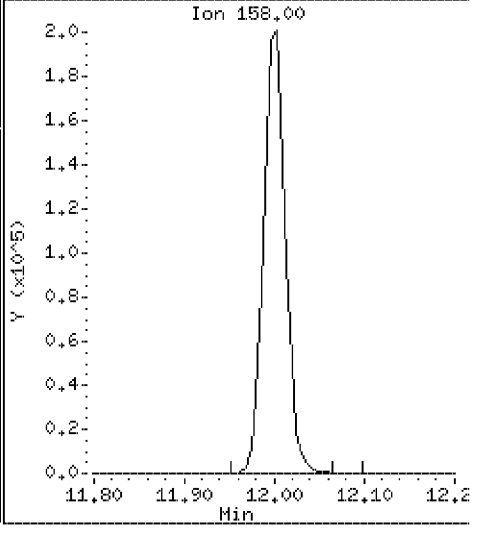


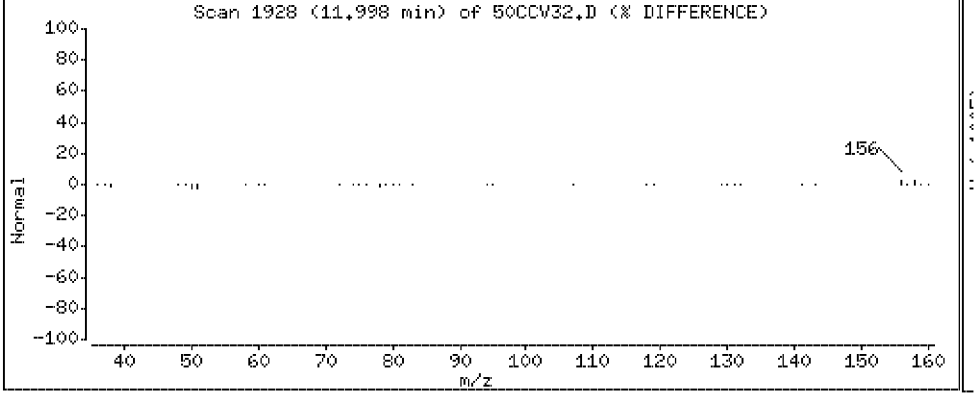












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

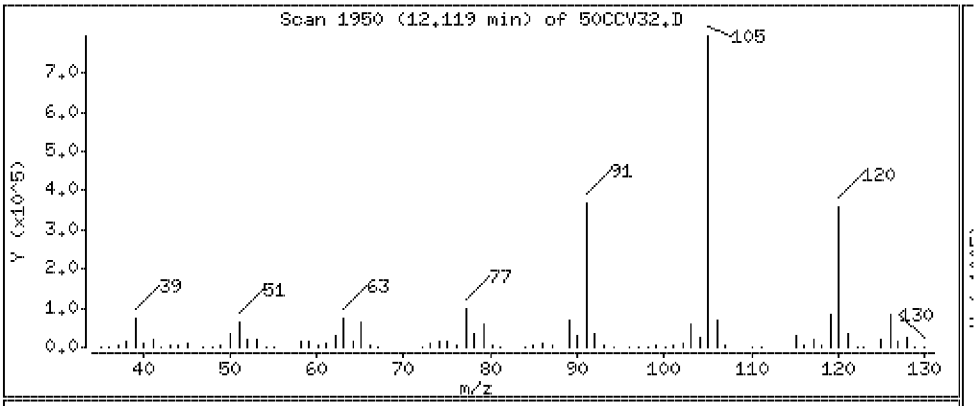
Operator:

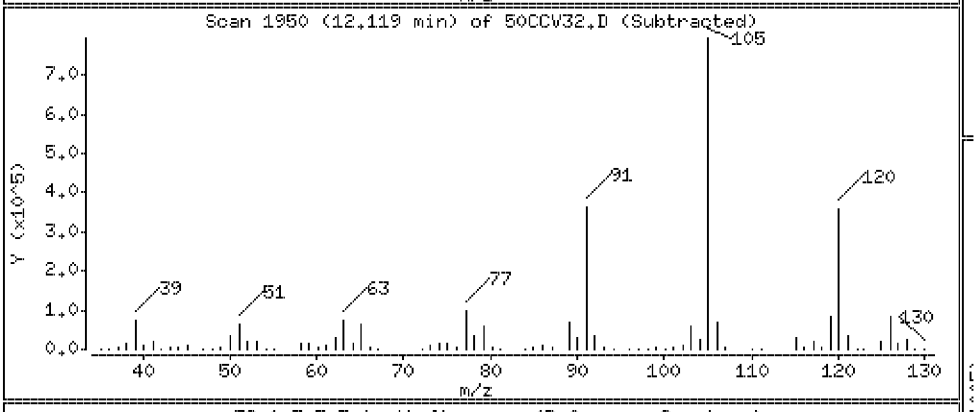
Column phase: DB-624

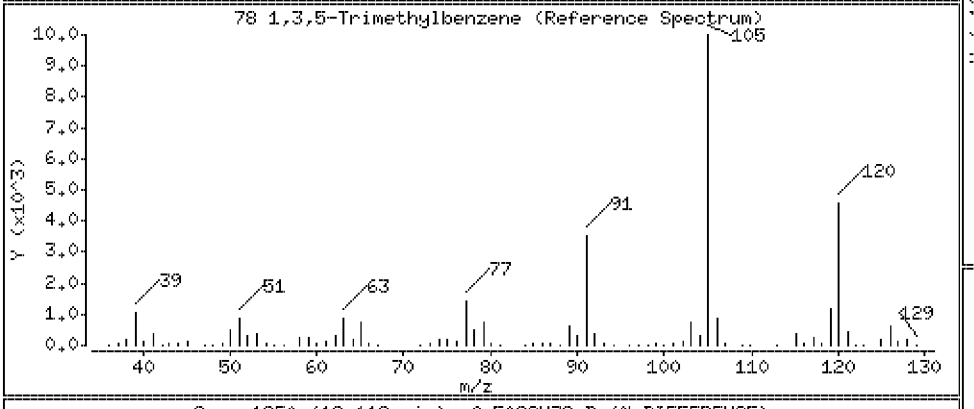
Column diameter: 0.18

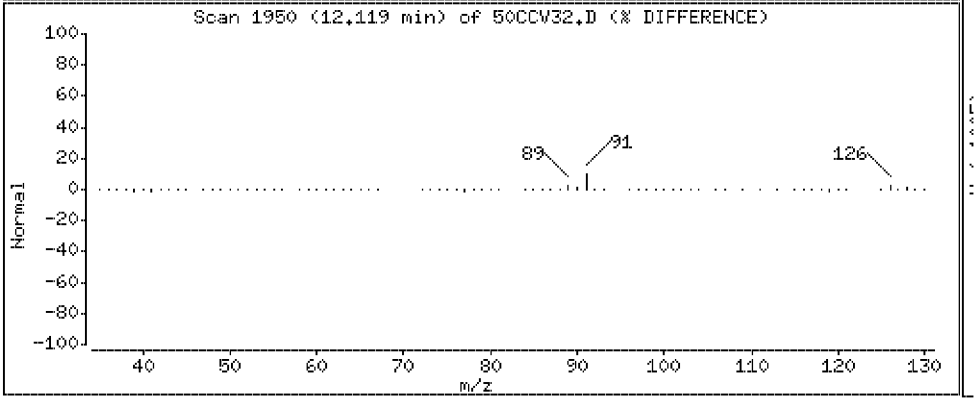
78 1,3,5-Trimethylbenzene

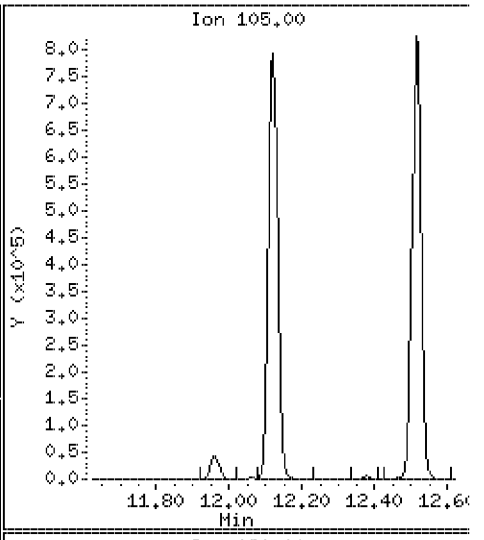
Concentration: 51.3 ug/l

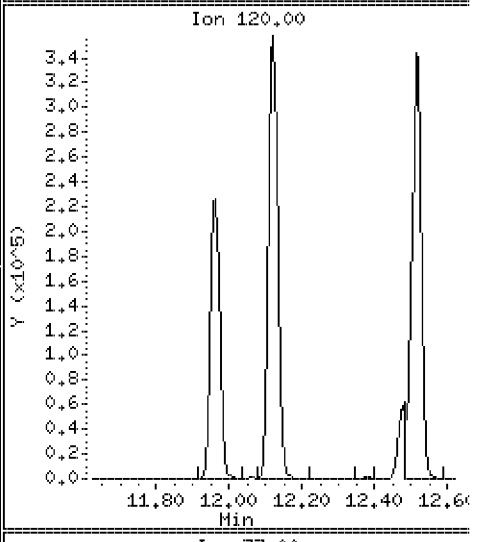


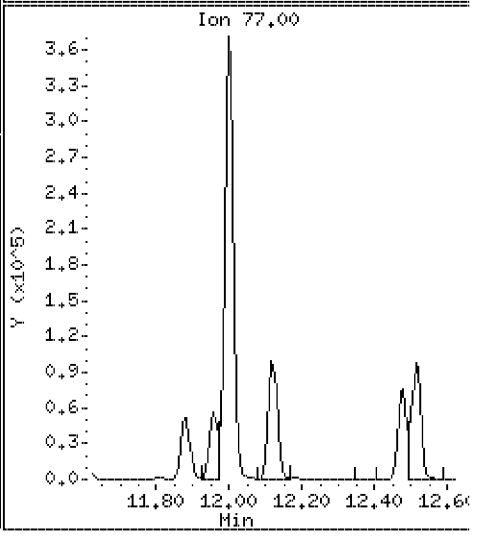












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

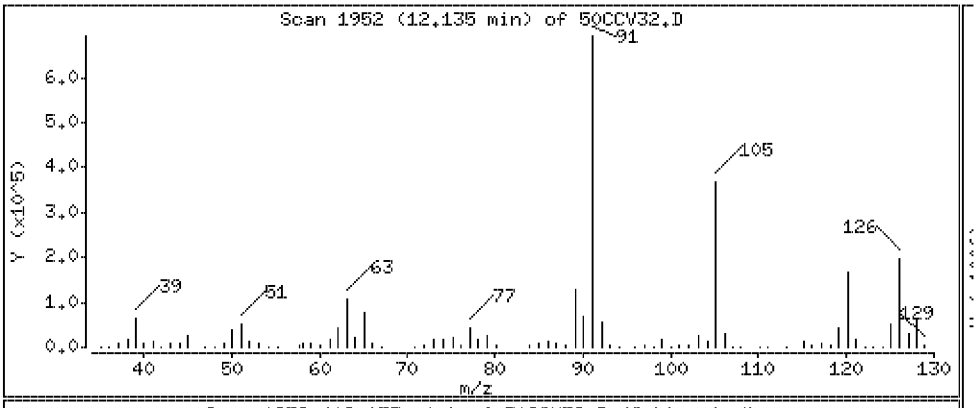
Operator:

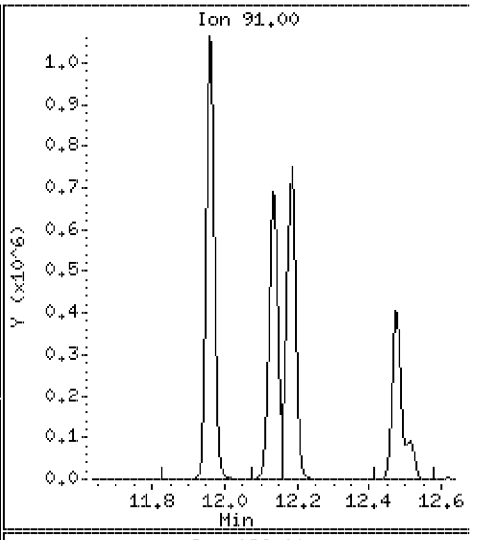
Column phase: DB-624

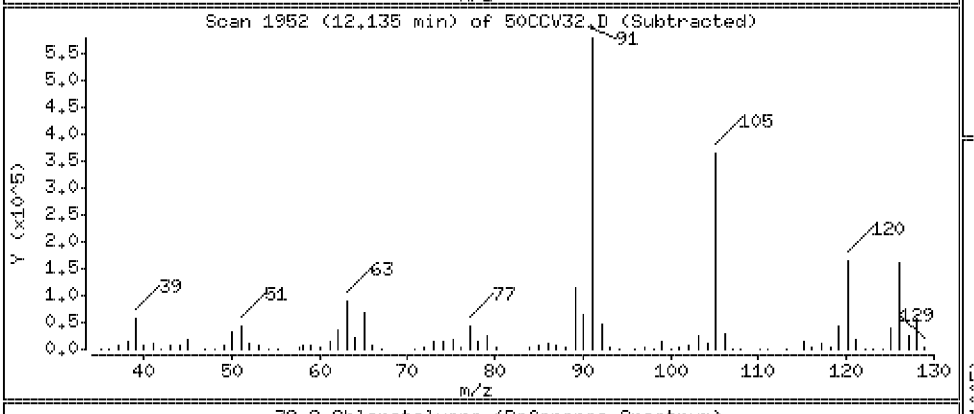
Column diameter: 0.18

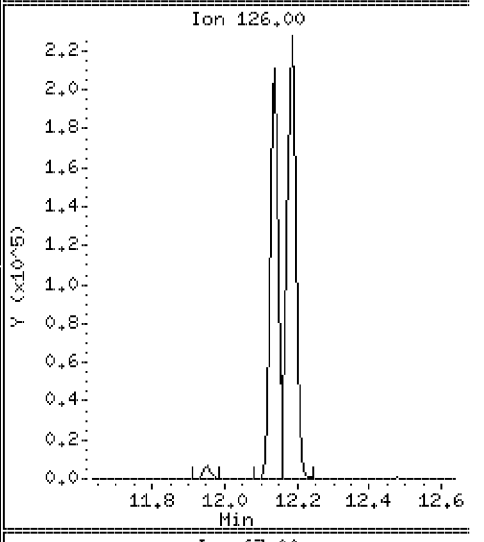
79 2-Chlorotoluene

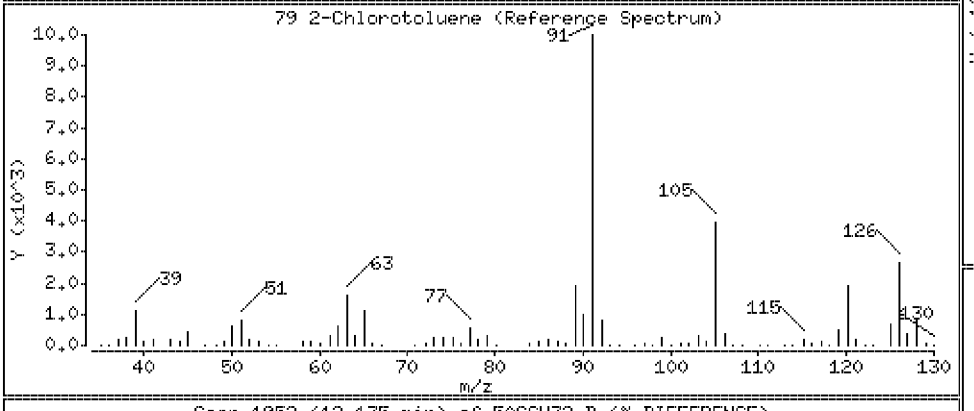
Concentration: 49.8 ug/l

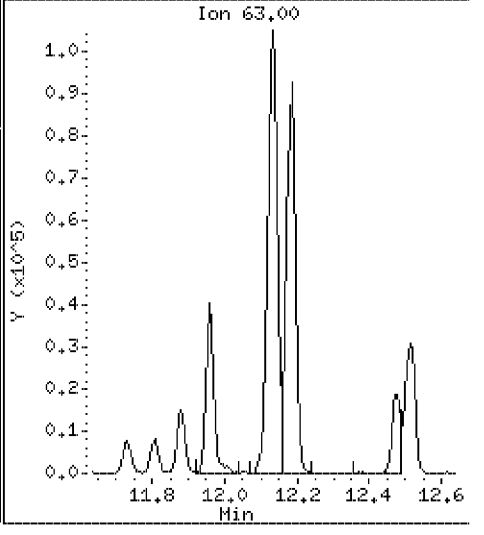


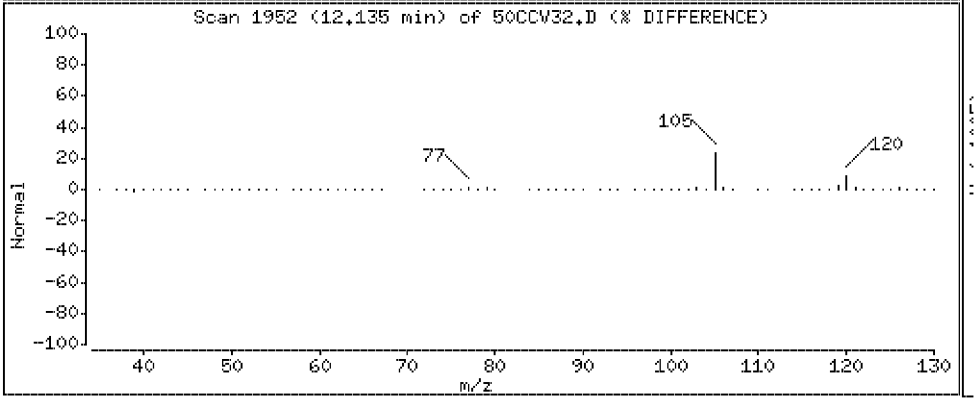












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

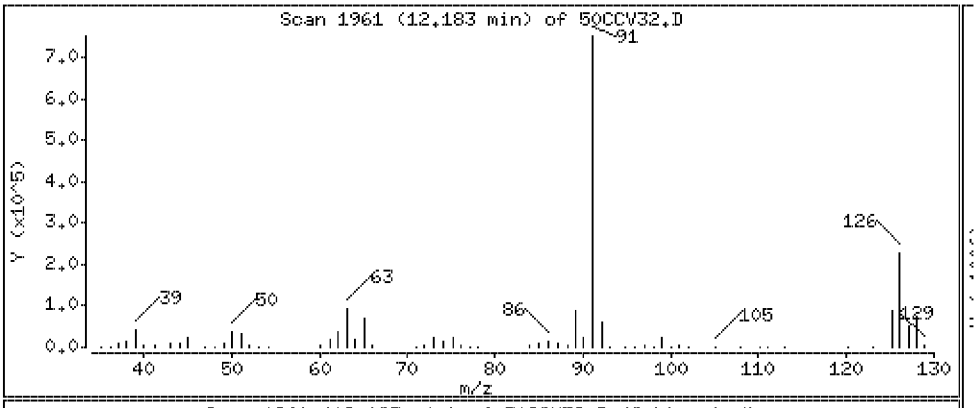
Client ID: 040408CCVA32 Instrument: vms03.i

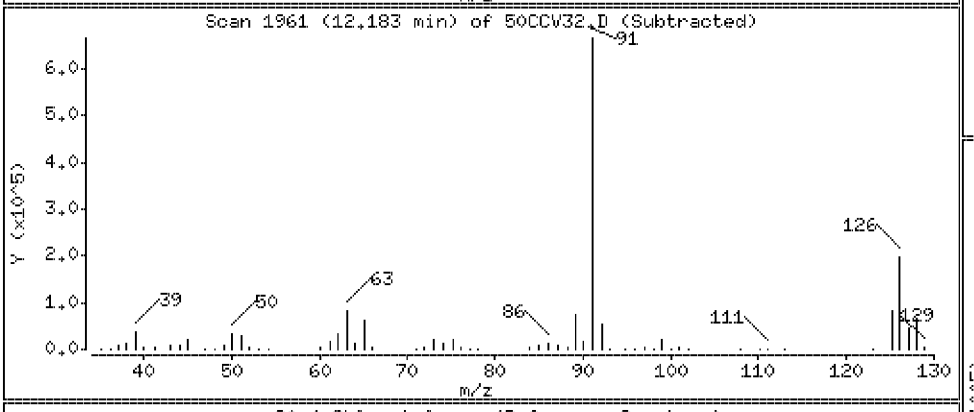
Sample Info: 040408CCVA32

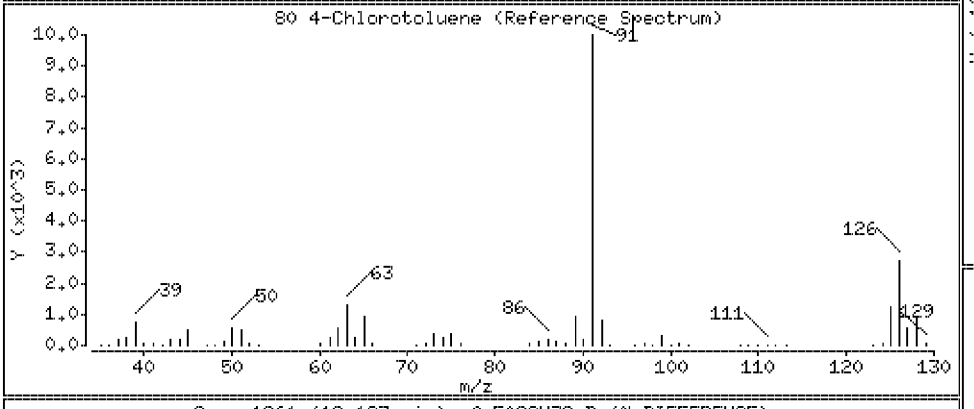
Purge Volume: 5.0 Operator:

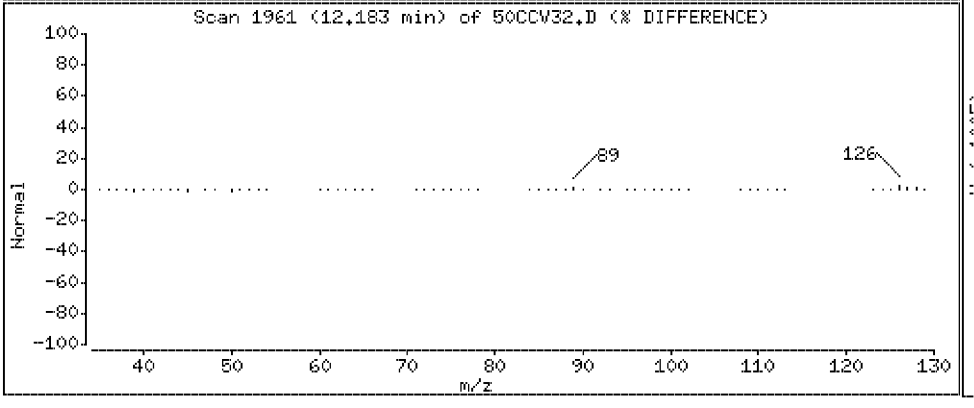
Column phase: DB-624 Column diameter: 0.18

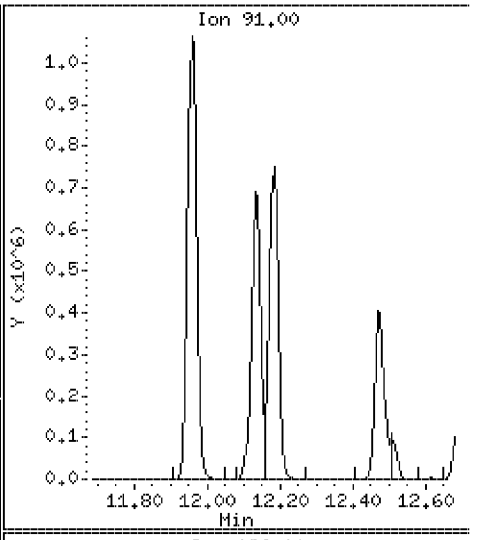
80 4-Chlorotoluene Concentration: 49.3 ug/l

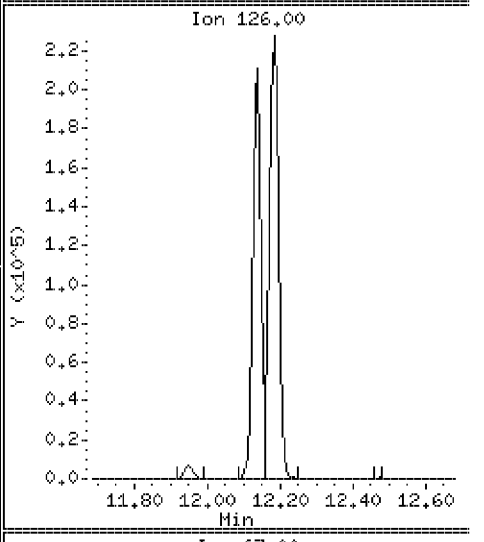


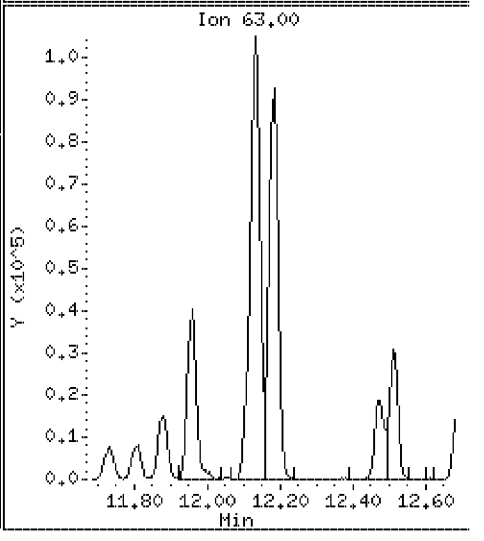












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

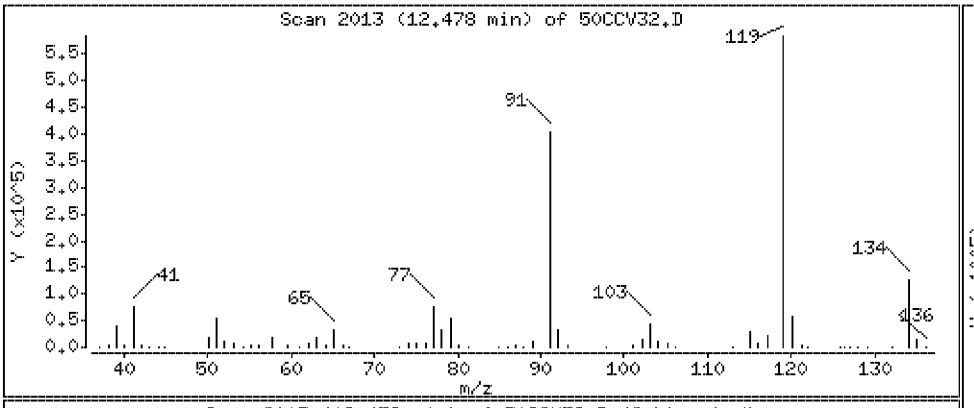
Operator:

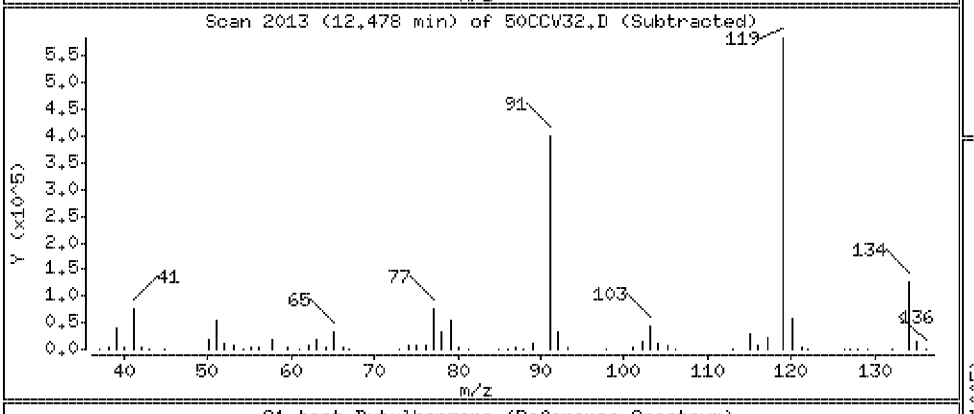
Column phase: DB-624

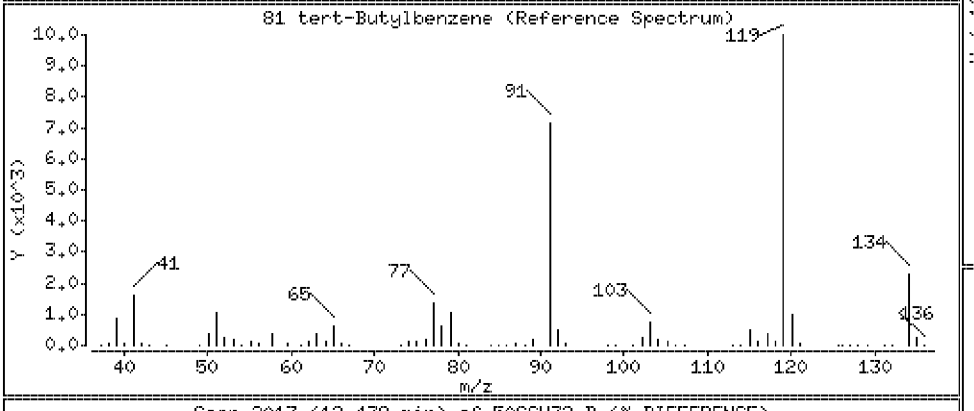
Column diameter: 0.18

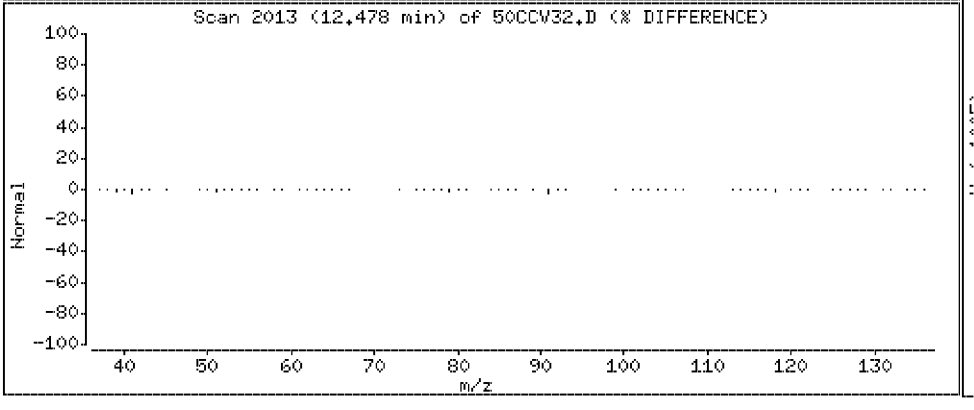
81 tert-Butylbenzene

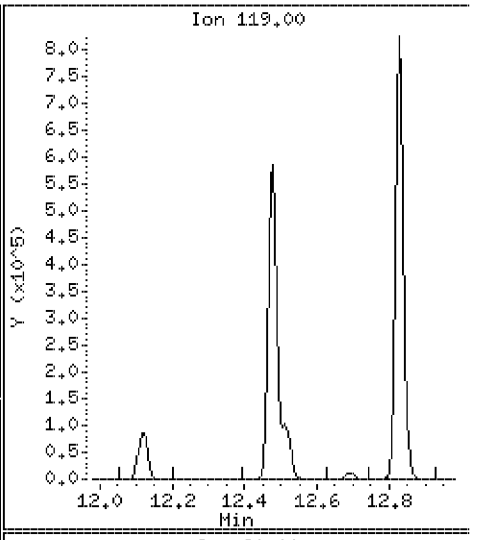
Concentration: 51.8 ug/l

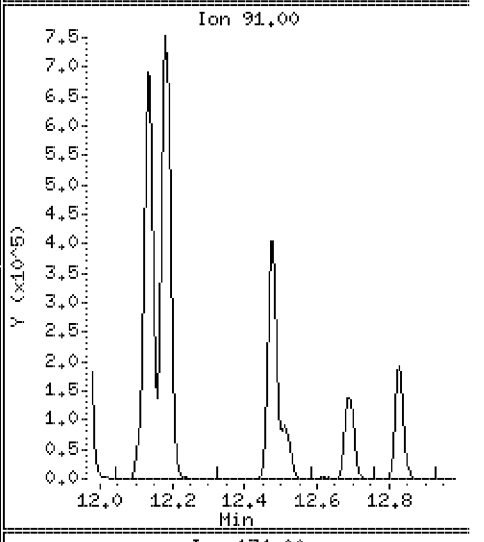


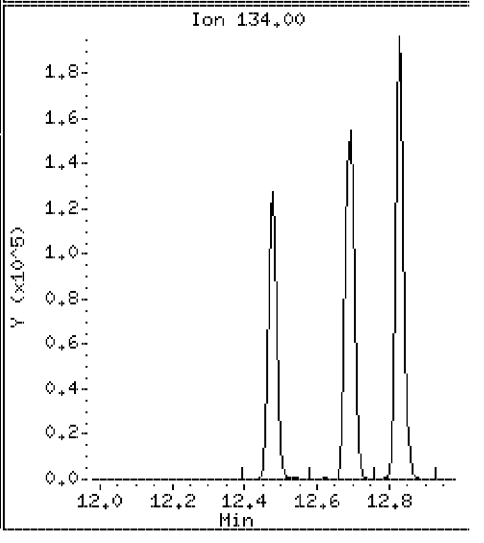












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

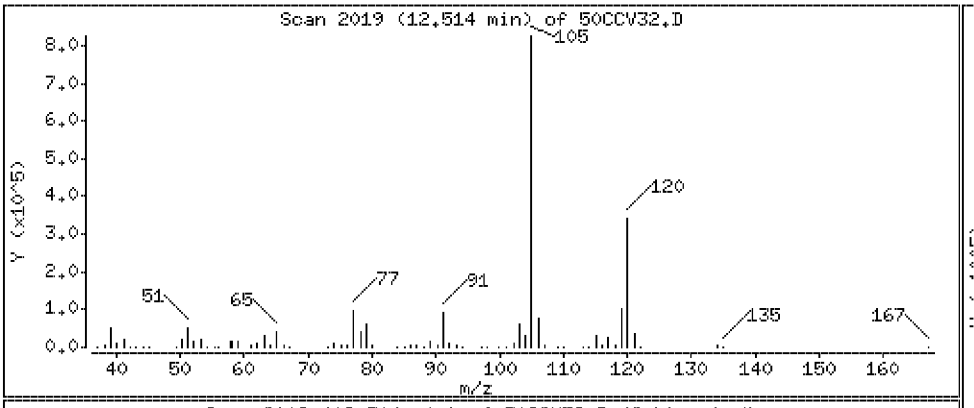
Operator:

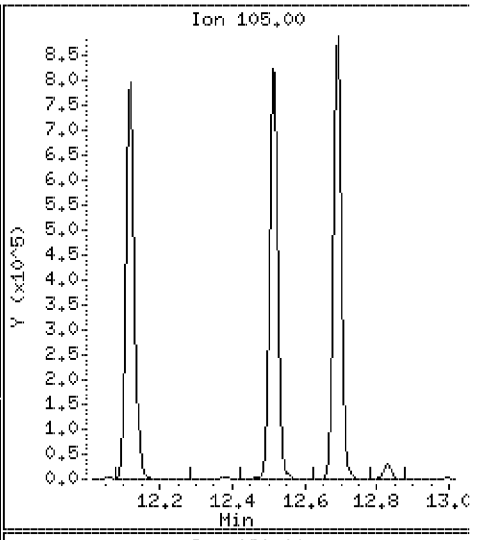
Column phase: DB-624

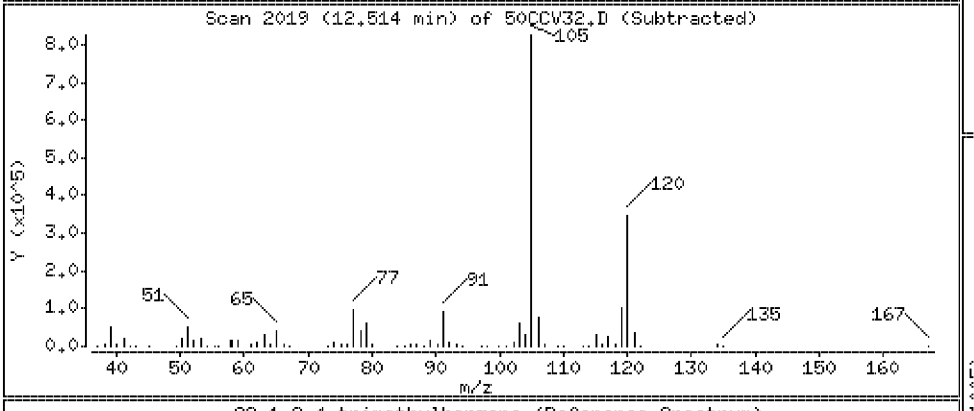
Column diameter: 0.18

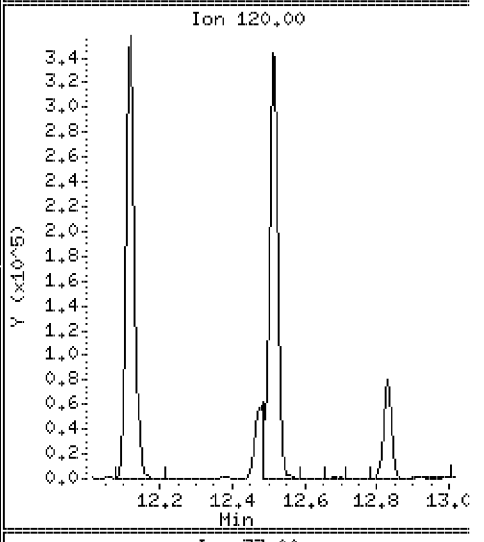
82 1,2,4-trimethylbenzene

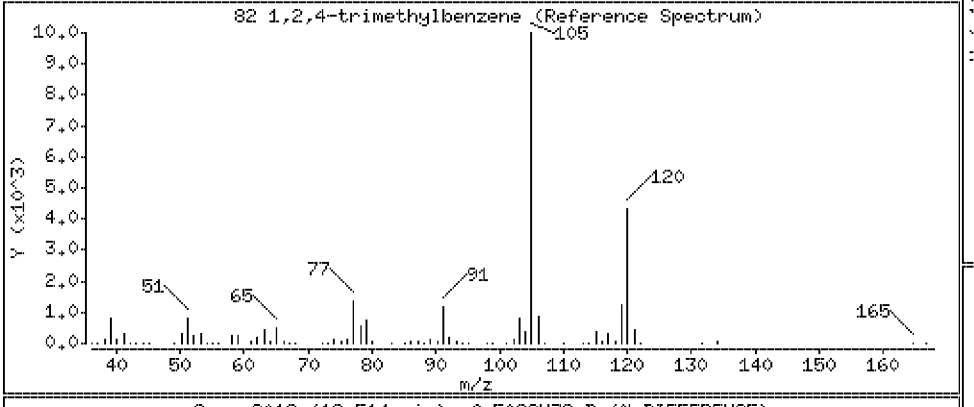
Concentration: 50.6 ug/l

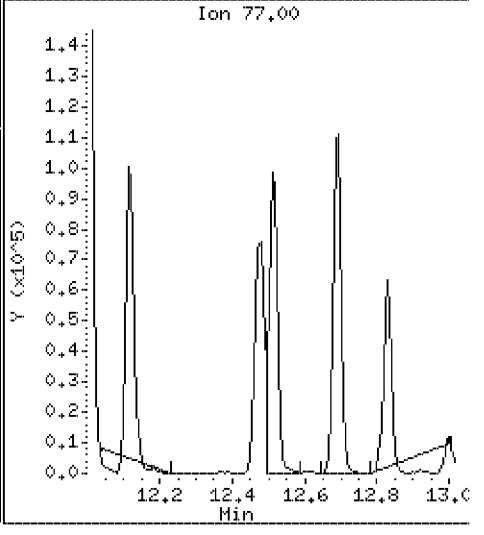


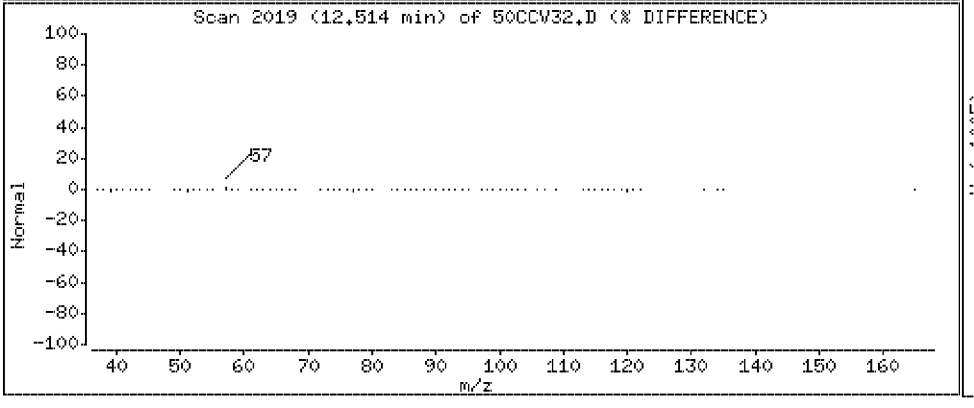












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

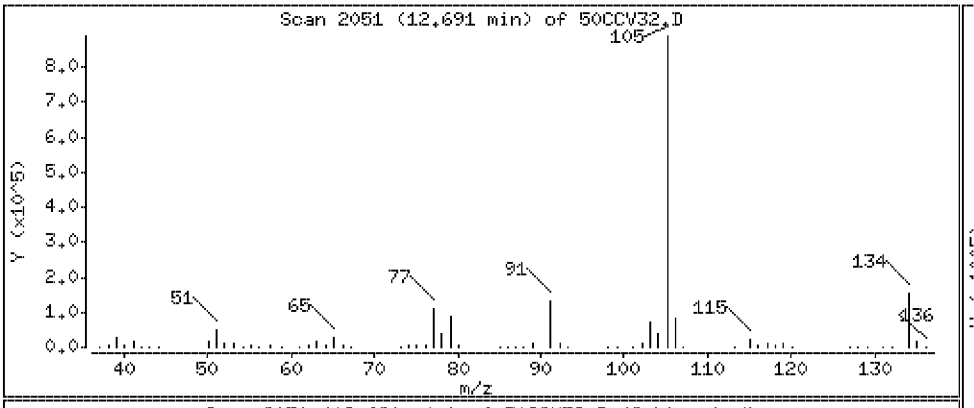
Operator:

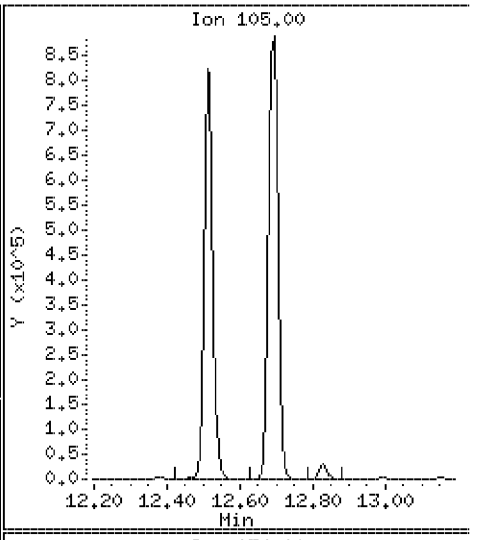
Column phase: DB-624

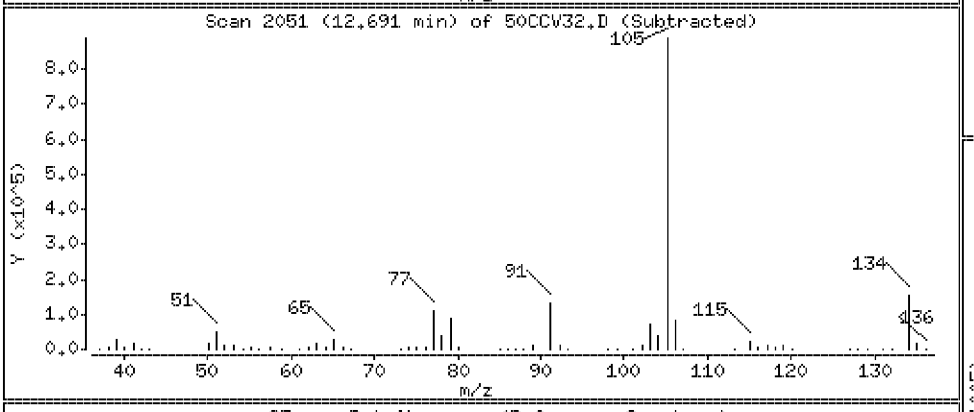
Column diameter: 0.18

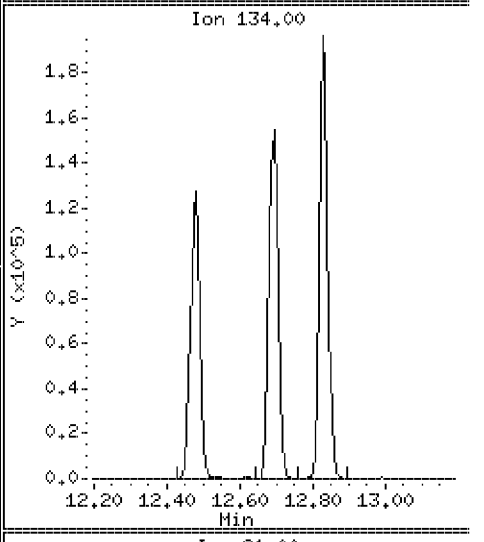
83 sec-Butylbenzene

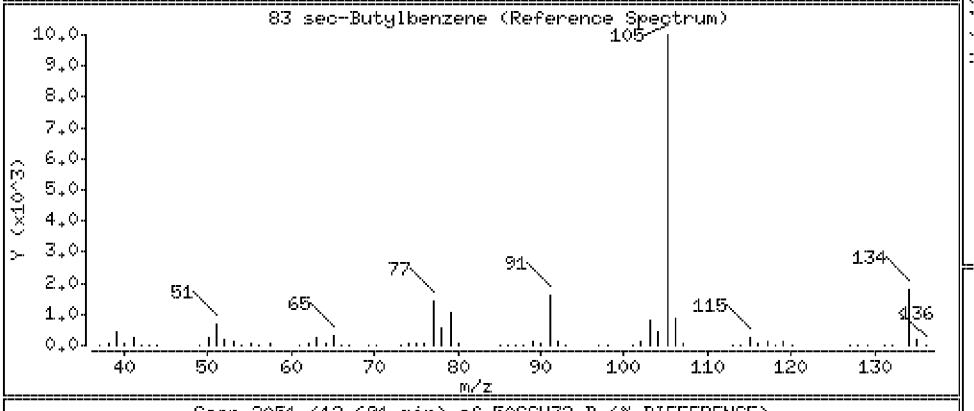
Concentration: 50.0 ug/l

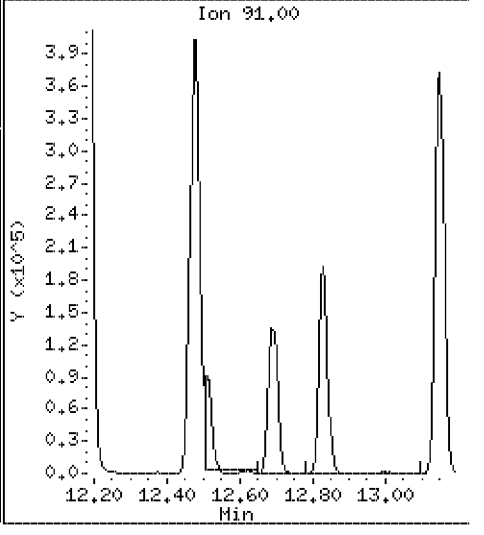


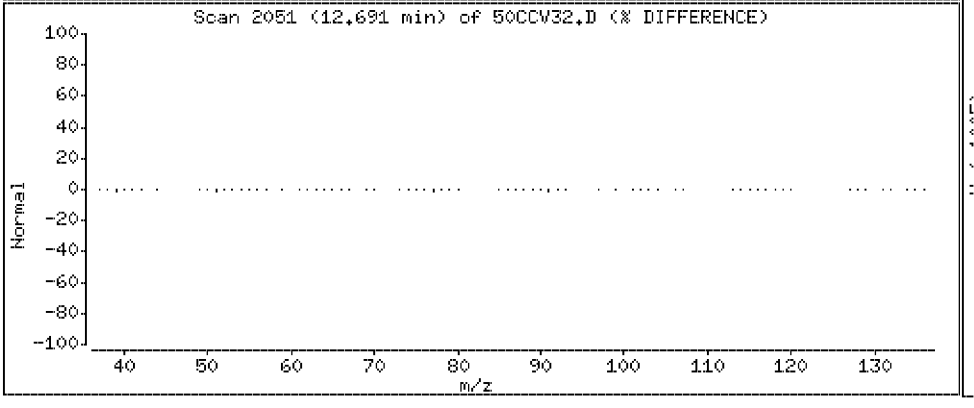












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

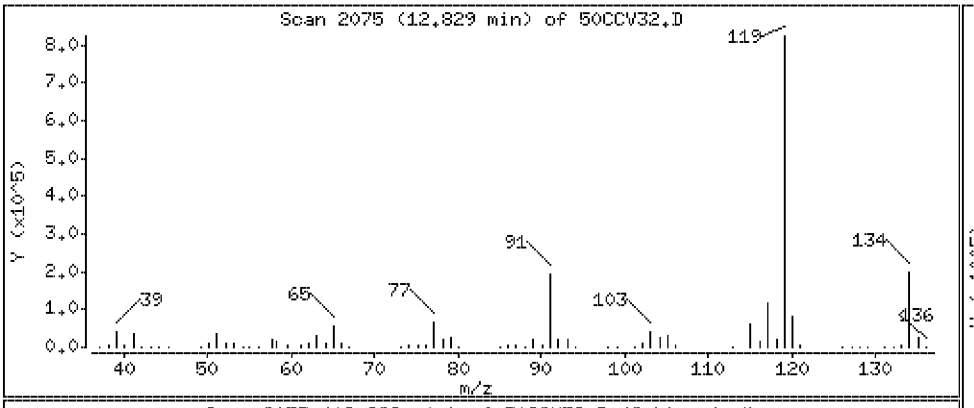
Client ID: 040408CCVA32 Instrument: vms03.i

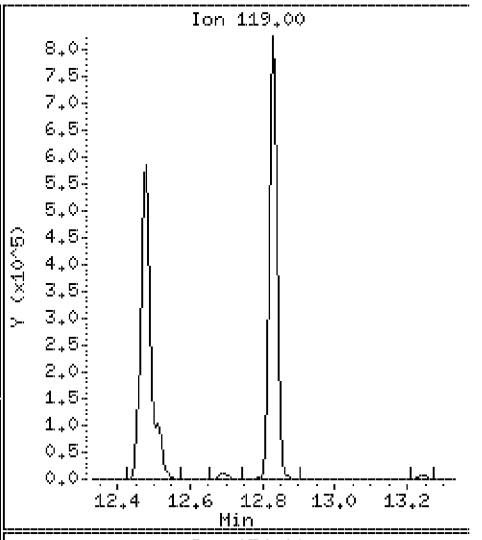
Sample Info: 040408CCVA32

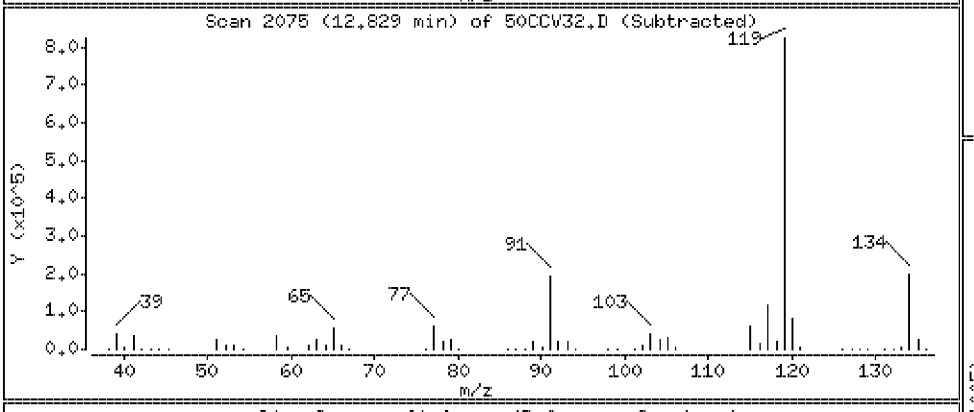
Purge Volume: 5.0 Operator:

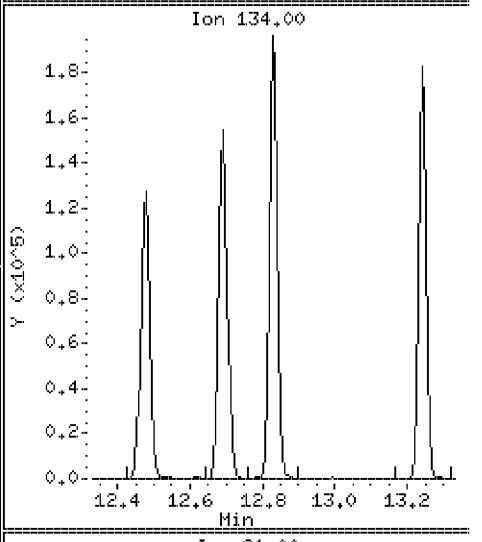
Column phase: DB-624 Column diameter: 0.18

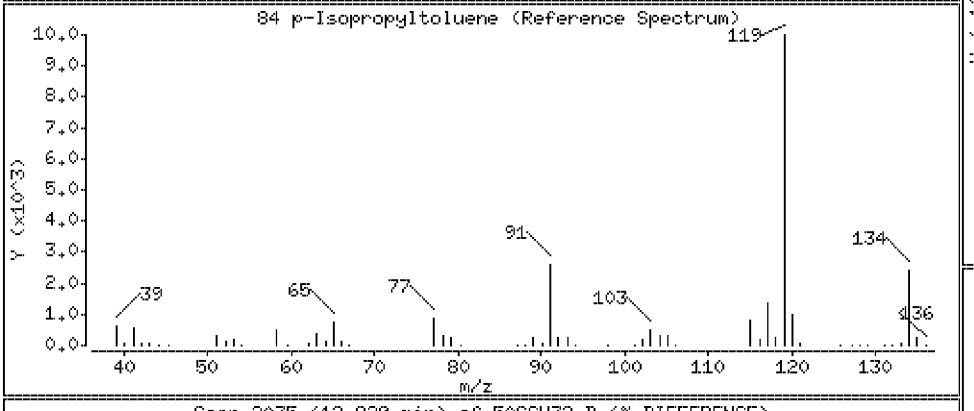
84 p-Isopropyltoluene Concentration: 51.6 ug/l

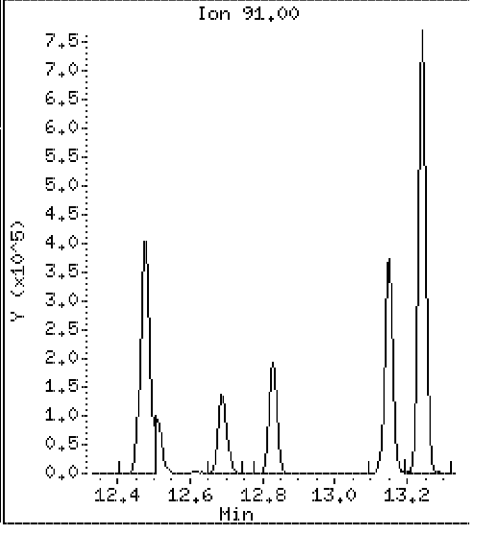


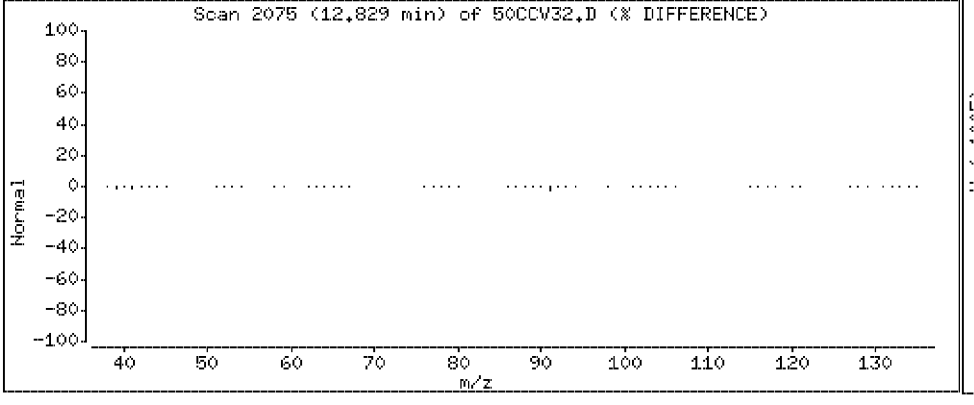












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

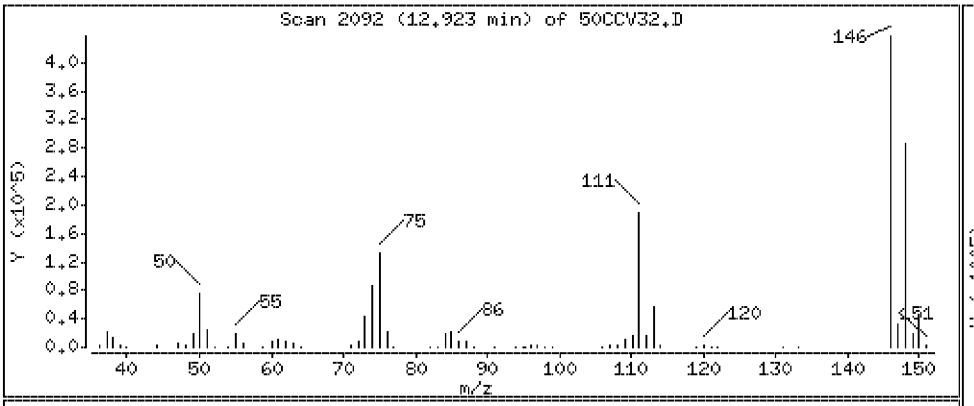
Client ID: 040408CCVA32 Instrument: vms03.i

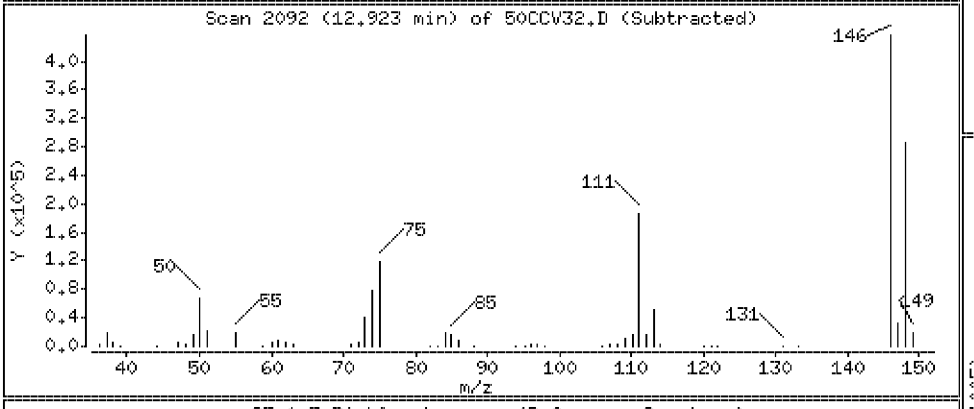
Sample Info: 040408CCVA32

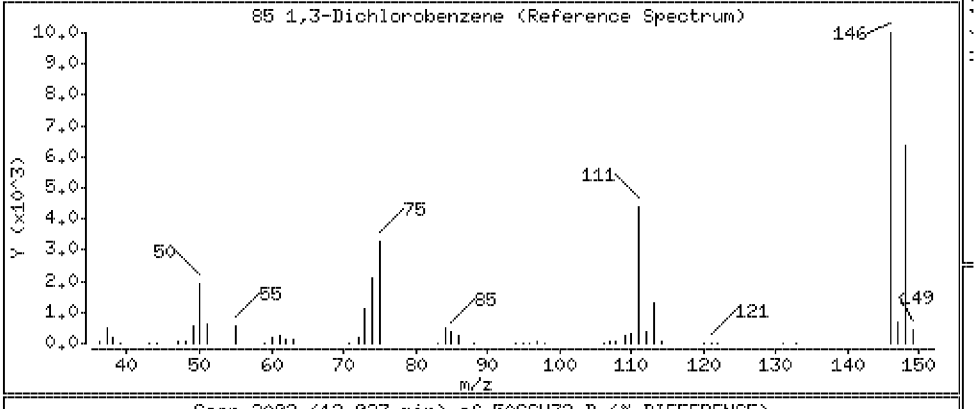
Purge Volume: 5.0 Operator:

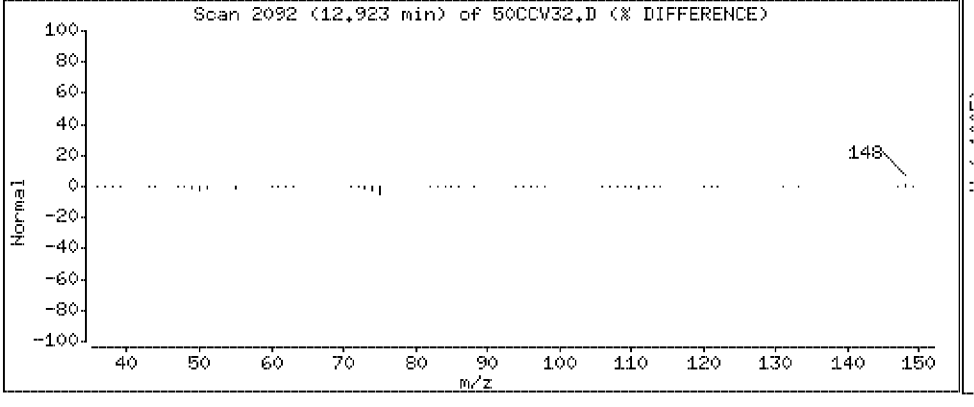
Column phase: DB-624 Column diameter: 0.18

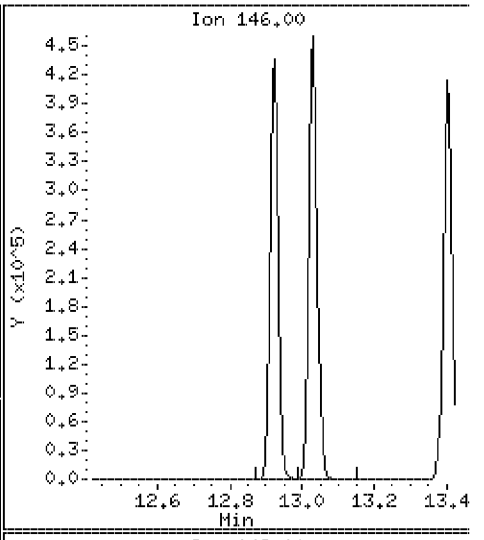
85 1,3-Dichlorobenzene Concentration: 50.2 ug/l

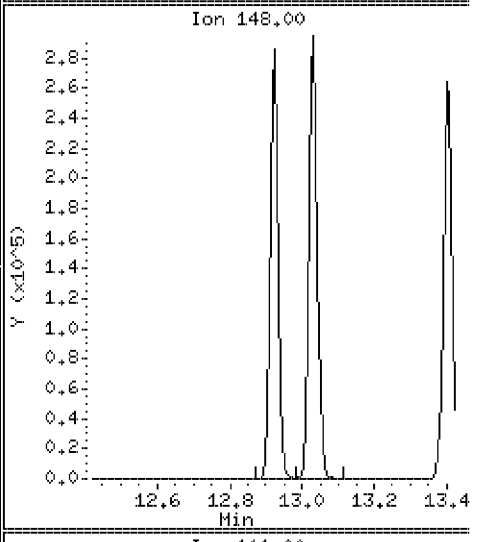


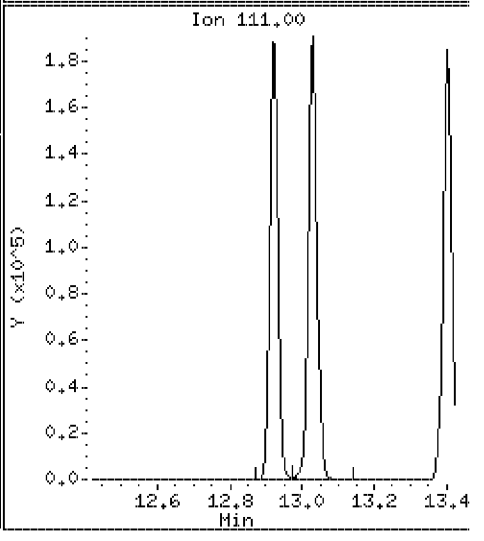












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

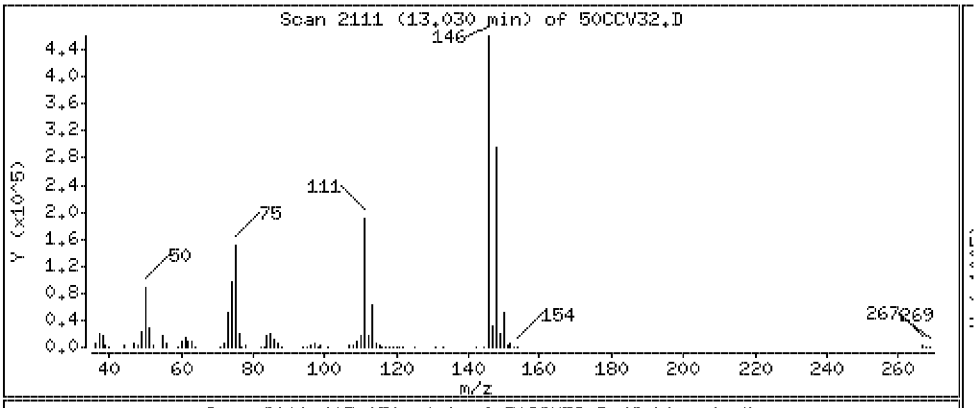
Operator:

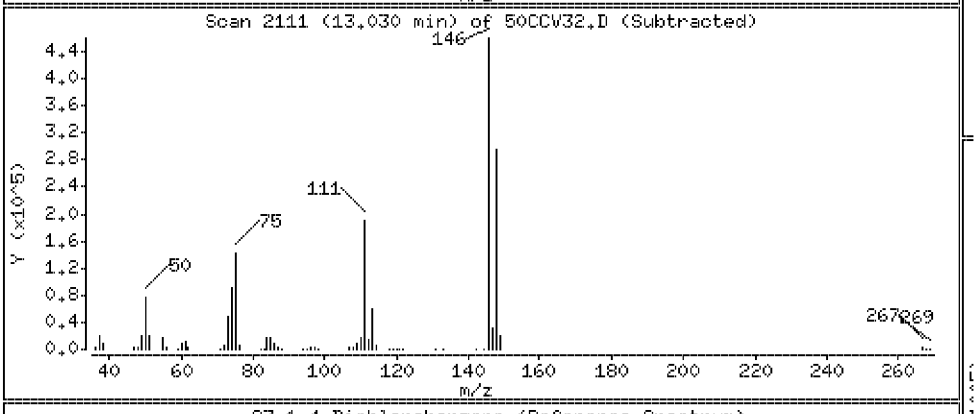
Column phase: DB-624

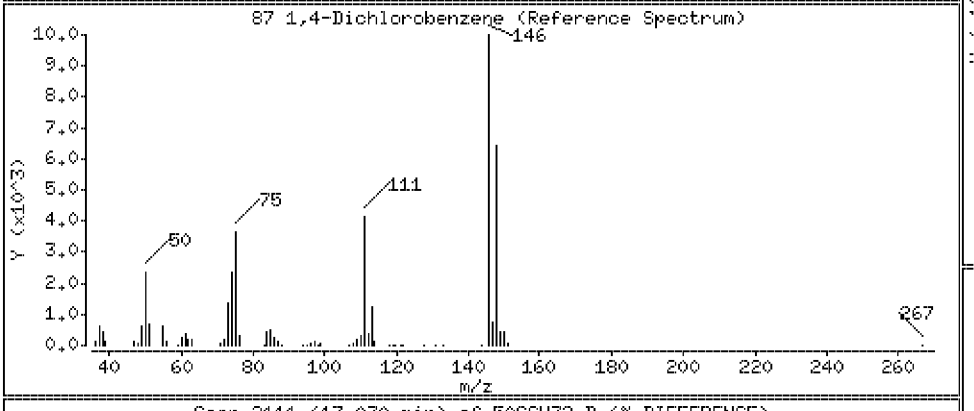
Column diameter: 0.18

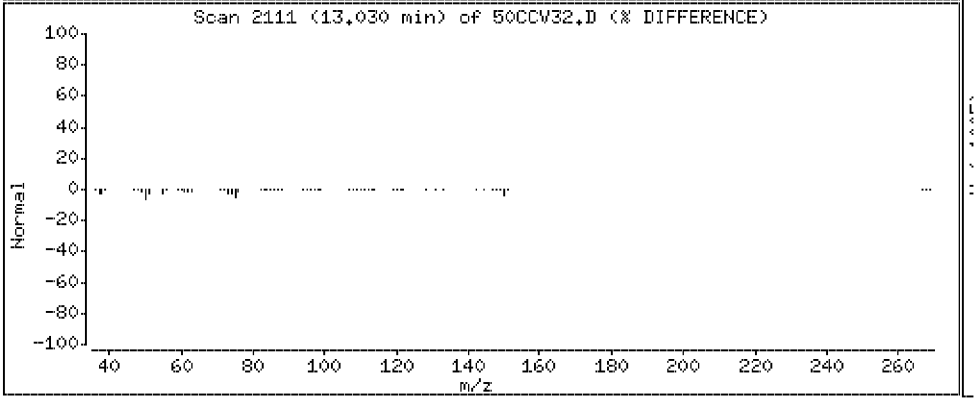
87 1,4-Dichlorobenzene

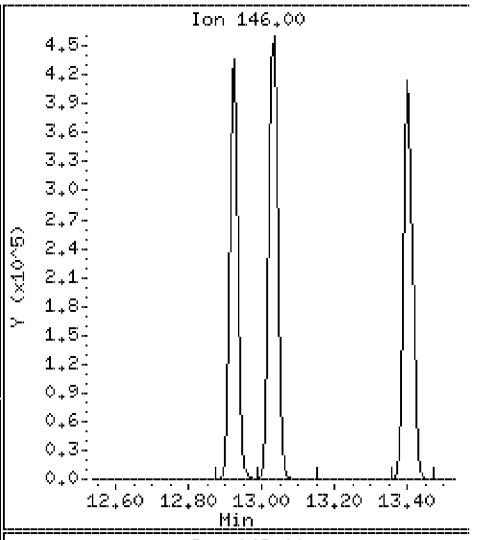
Concentration: 49.4 ug/l

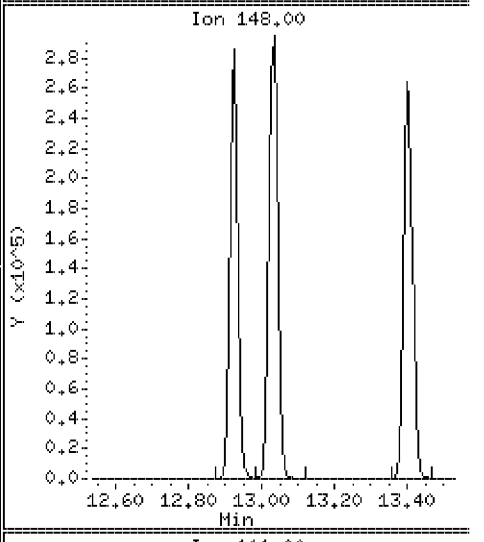


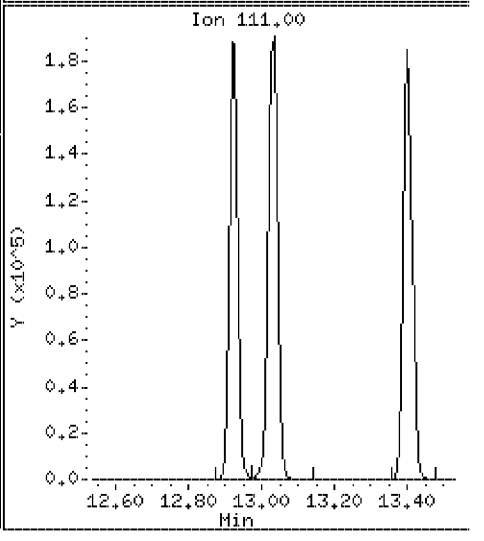












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

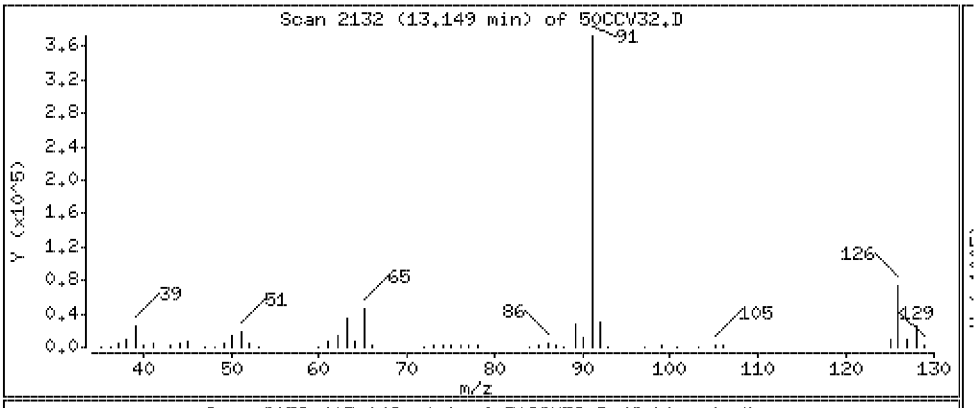
Operator:

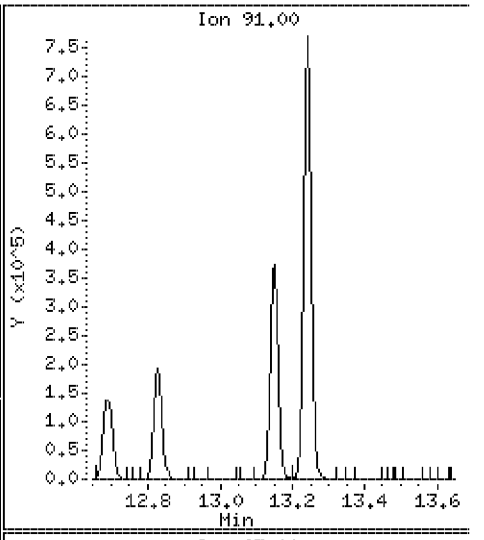
Column phase: DB-624

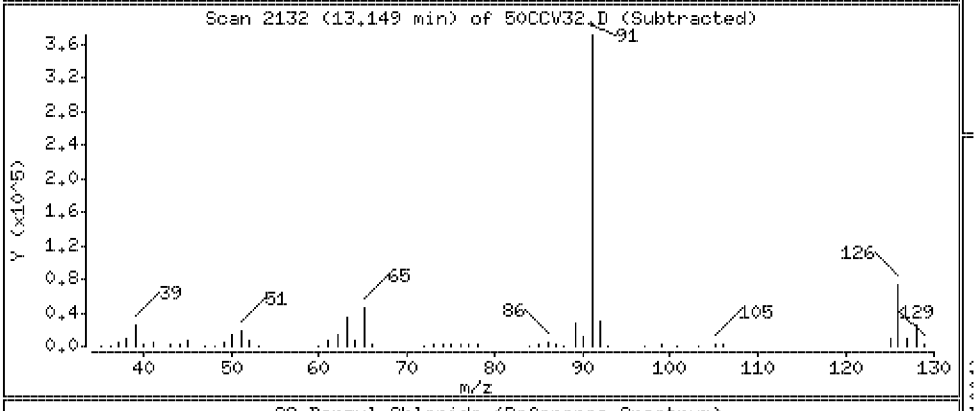
Column diameter: 0.18

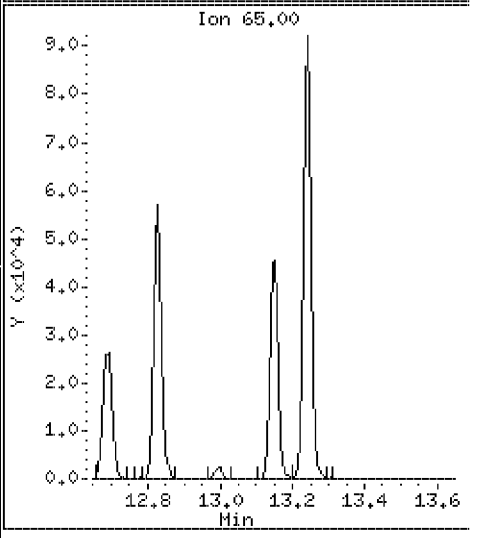
88 Benzyl Chloride

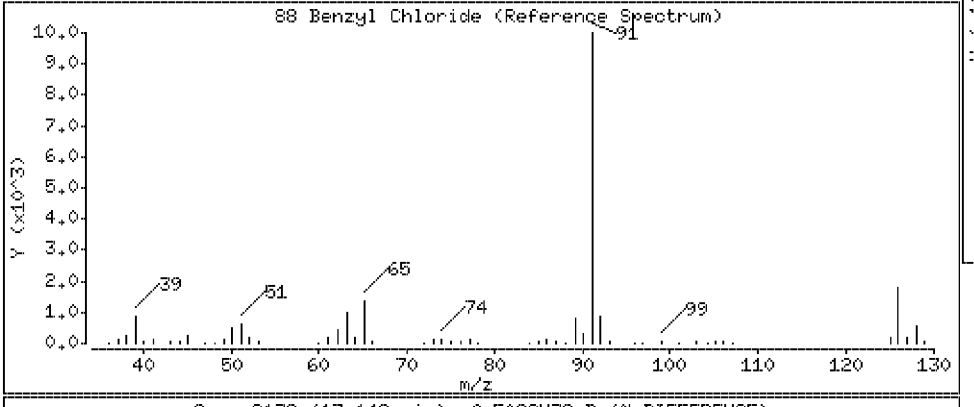
Concentration: 59.5 ug/l

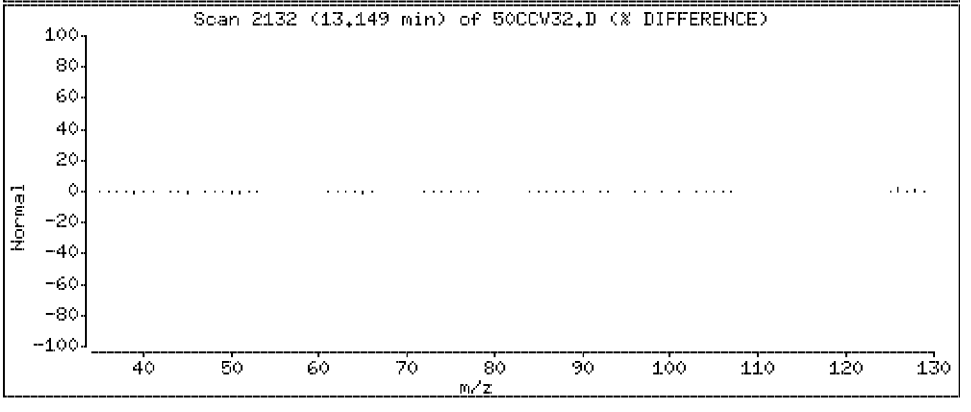












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

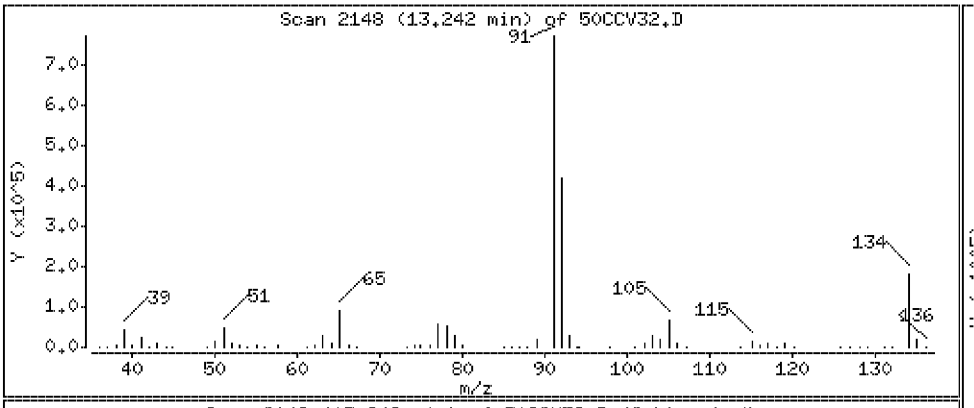
Operator:

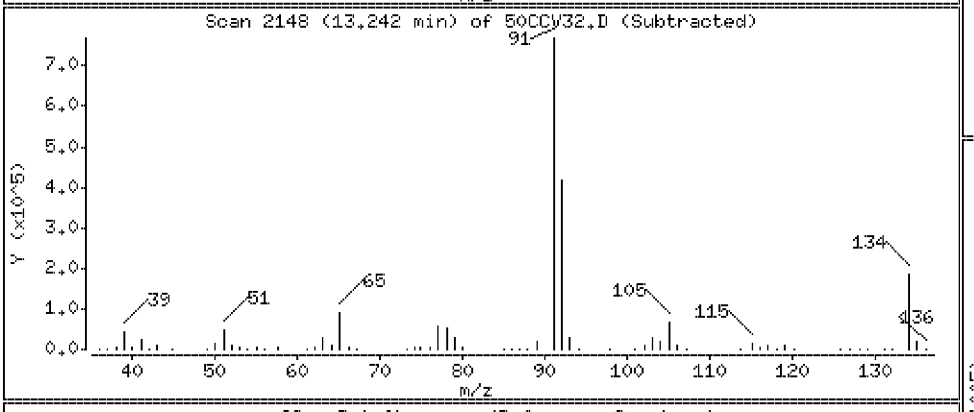
Column phase: DB-624

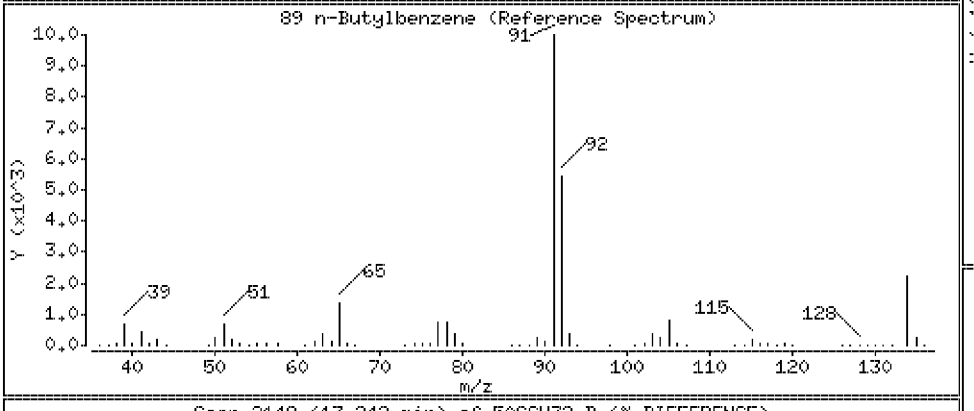
Column diameter: 0.18

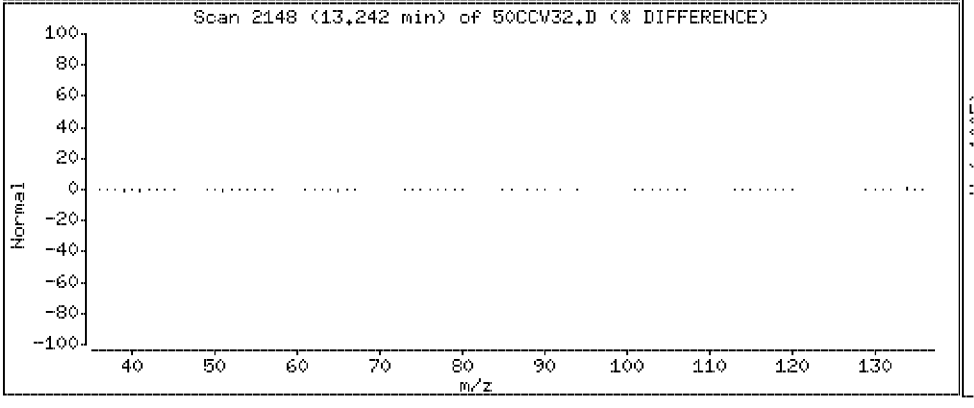
89 n-Butylbenzene

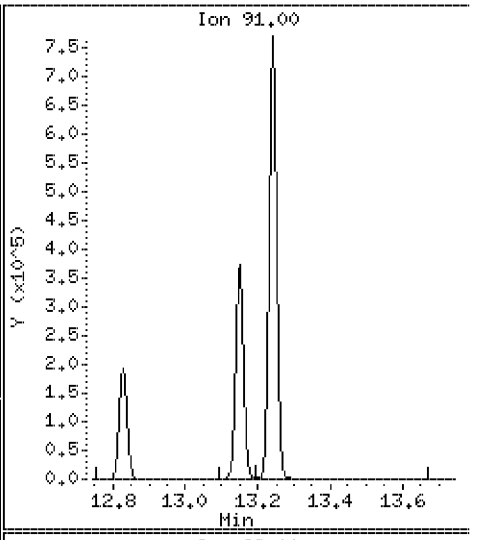
Concentration: 50.5 ug/l

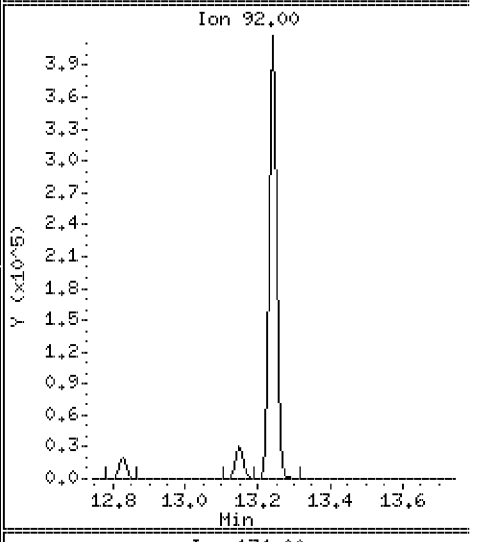


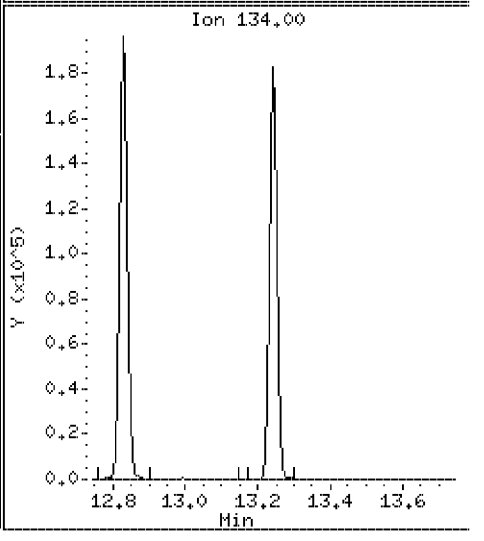












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

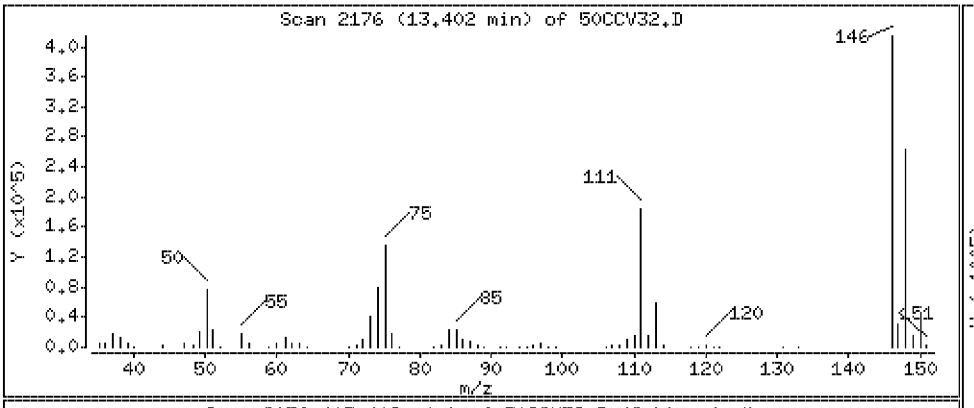
Operator:

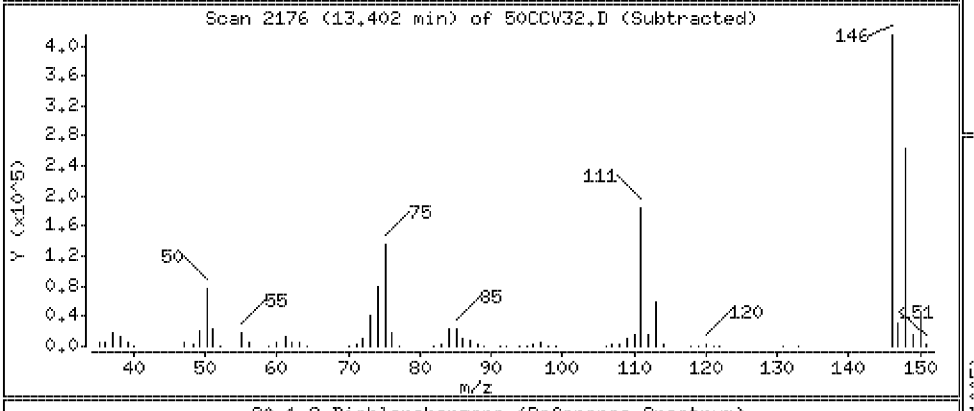
Column phase: DB-624

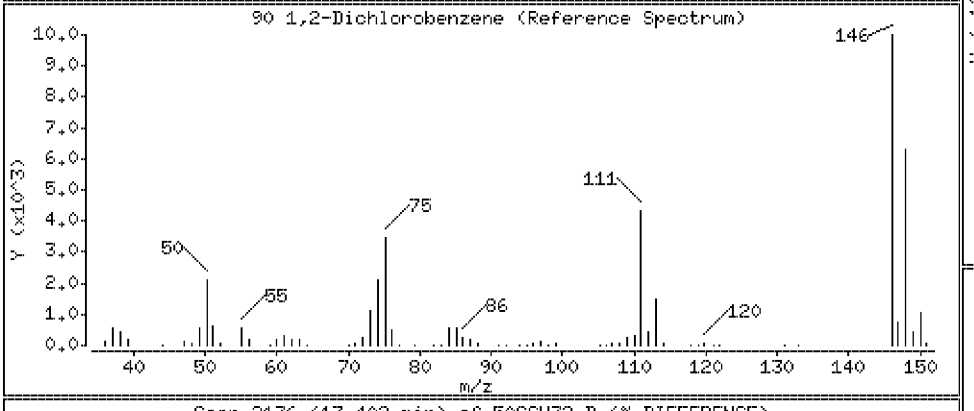
Column diameter: 0.18

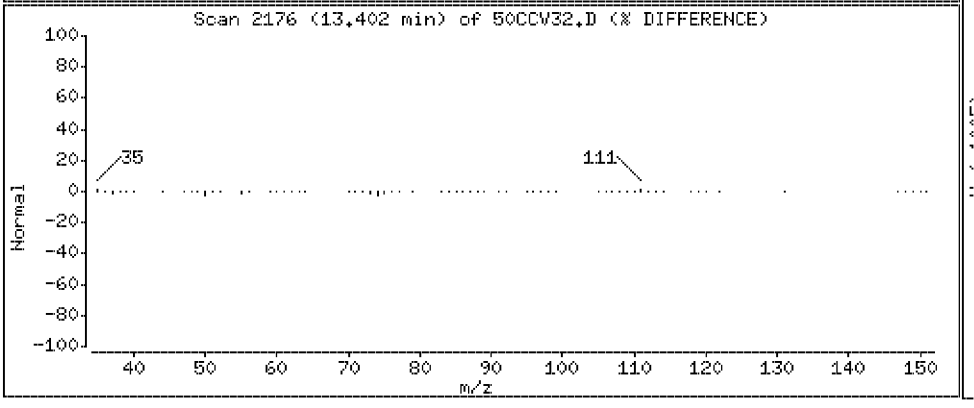
90 1,2-Dichlorobenzene

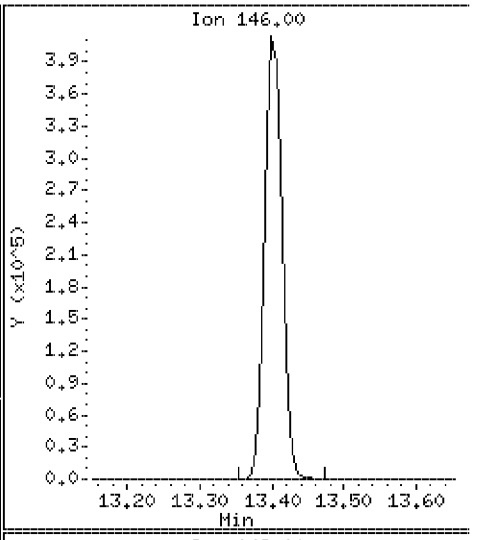
Concentration: 49.5 ug/l

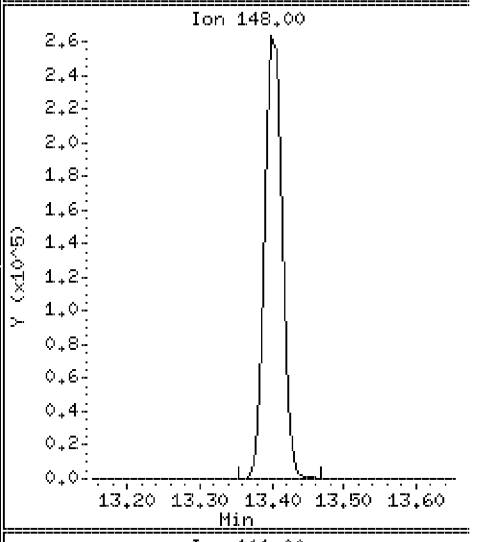


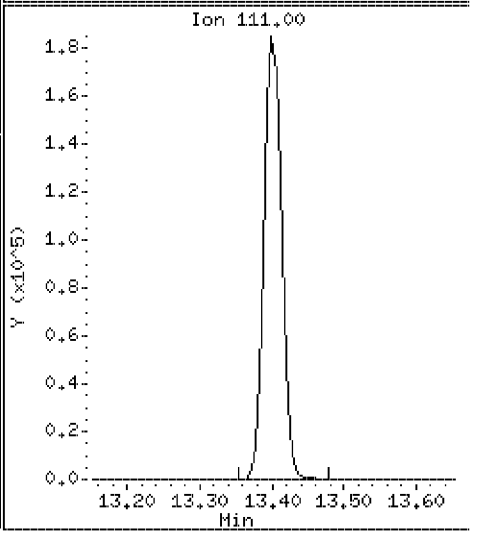












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

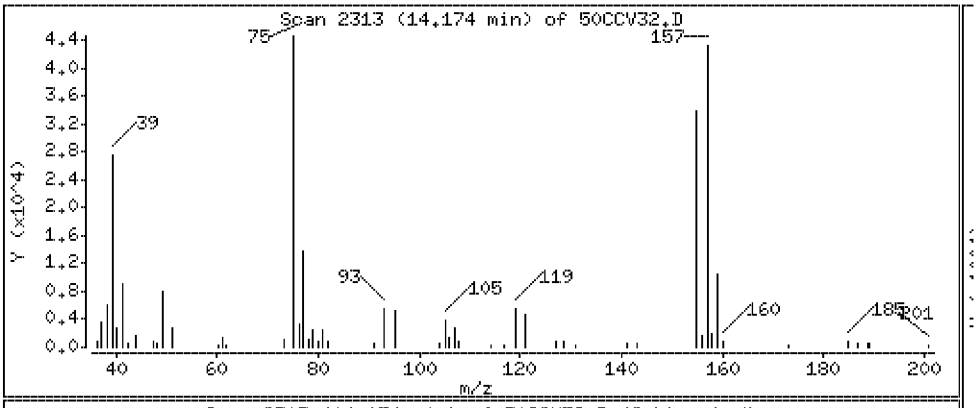
Operator:

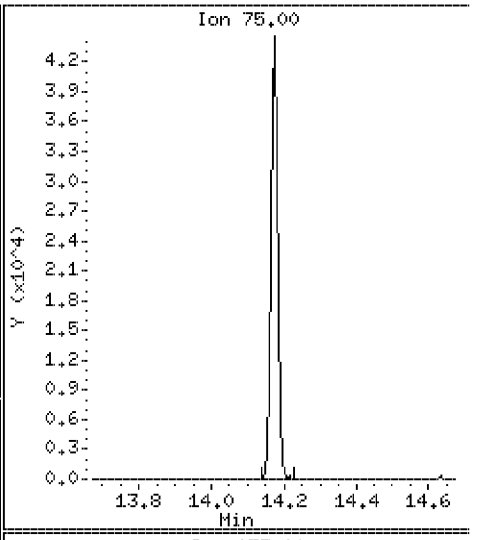
Column phase: DB-624

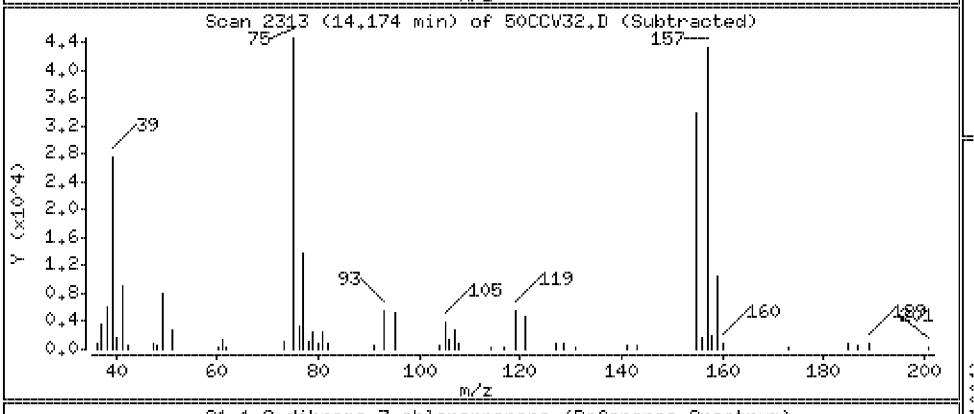
Column diameter: 0.18

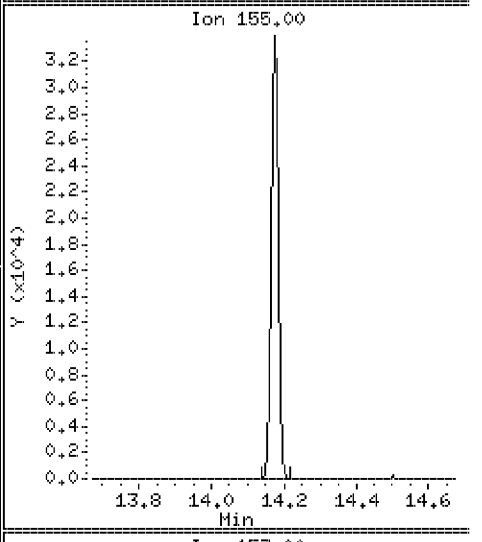
91 1,2-dibromo-3-chloropropane

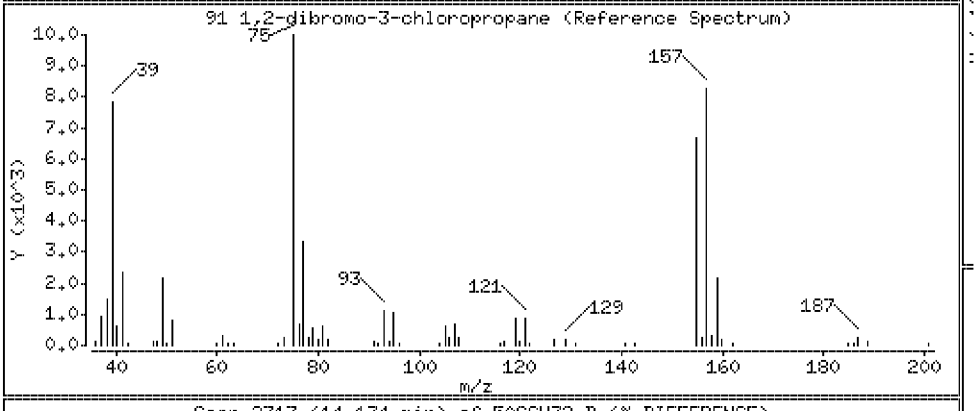
Concentration: 51.2 ug/l

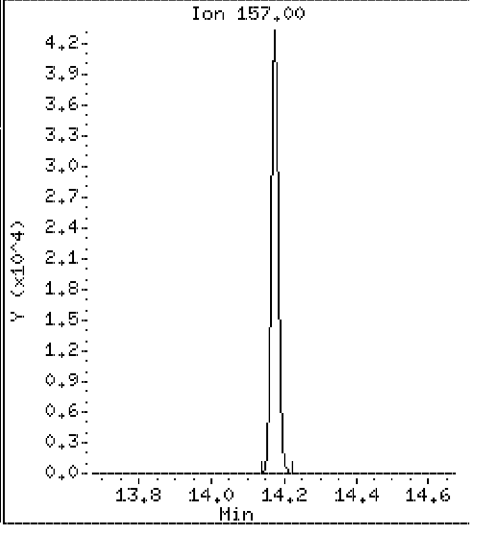


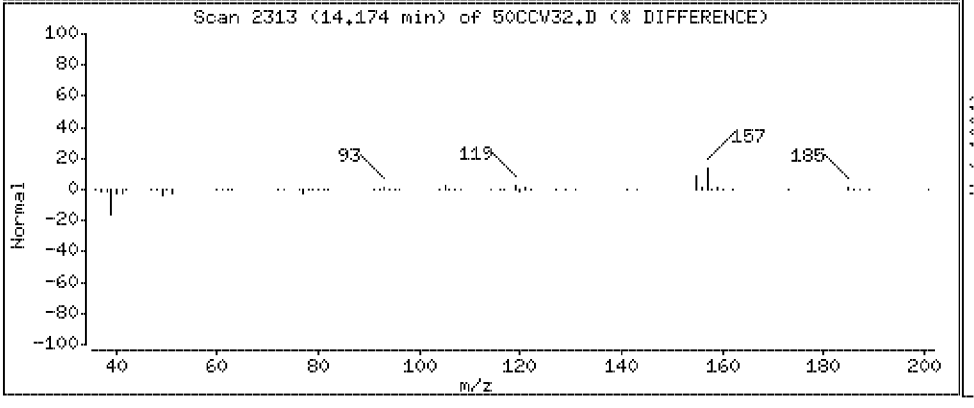












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

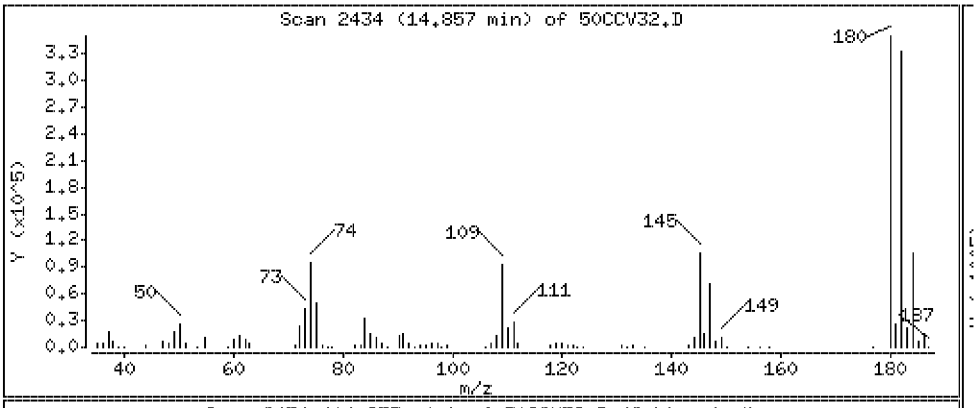
Operator:

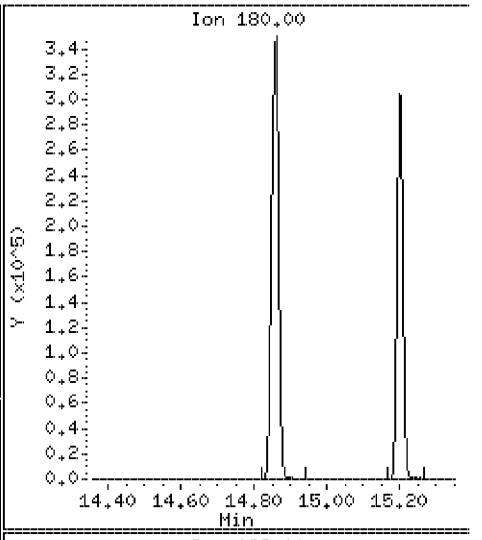
Column phase: DB-624

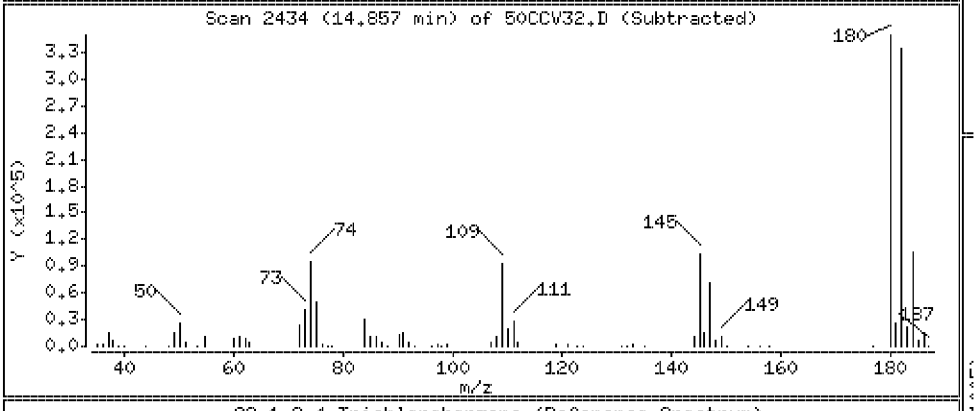
Column diameter: 0.18

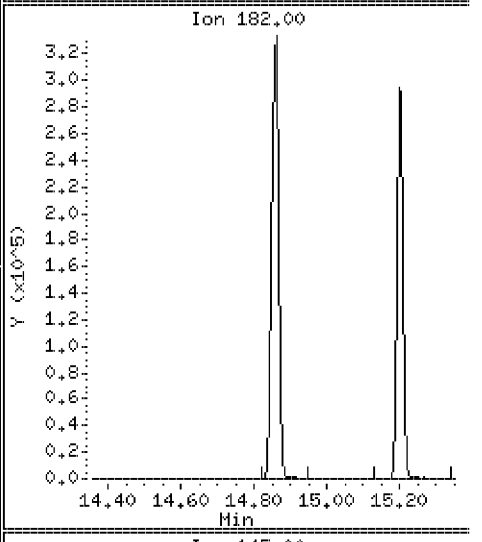
92 1,2,4-Trichlorobenzene

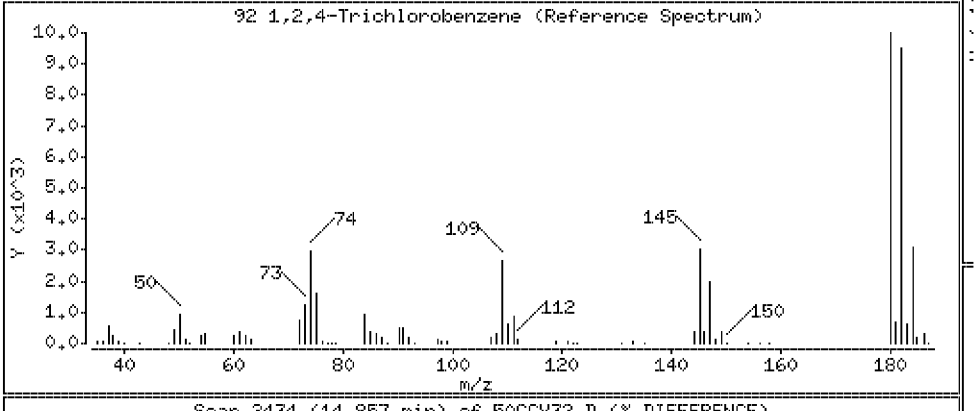
Concentration: 51.6 ug/l

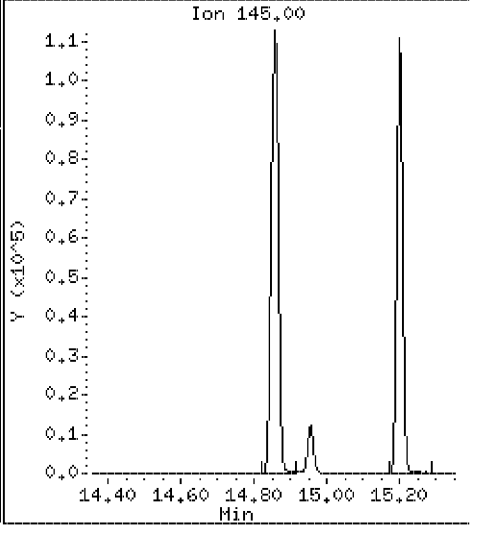


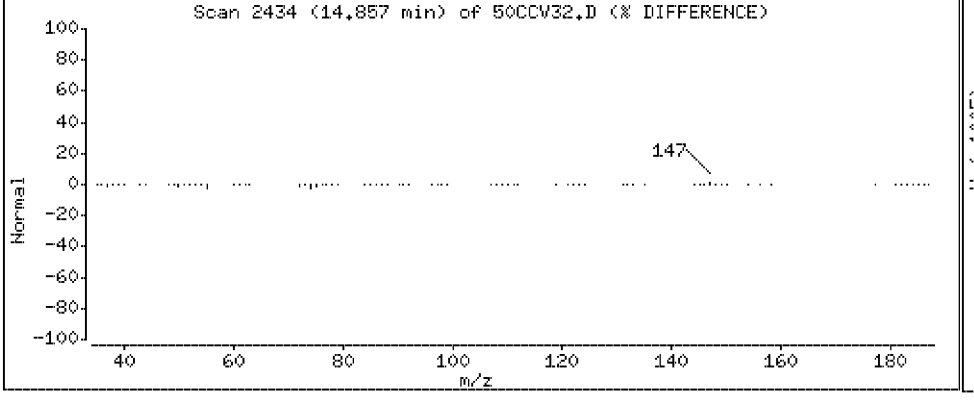












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

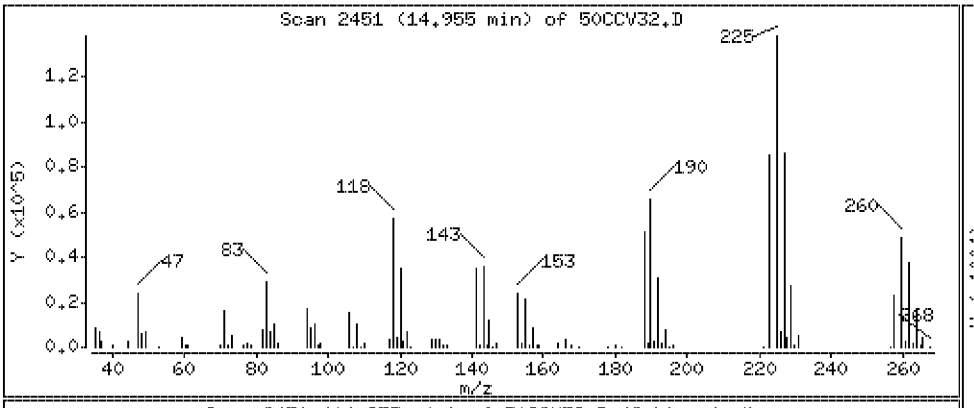
Operator:

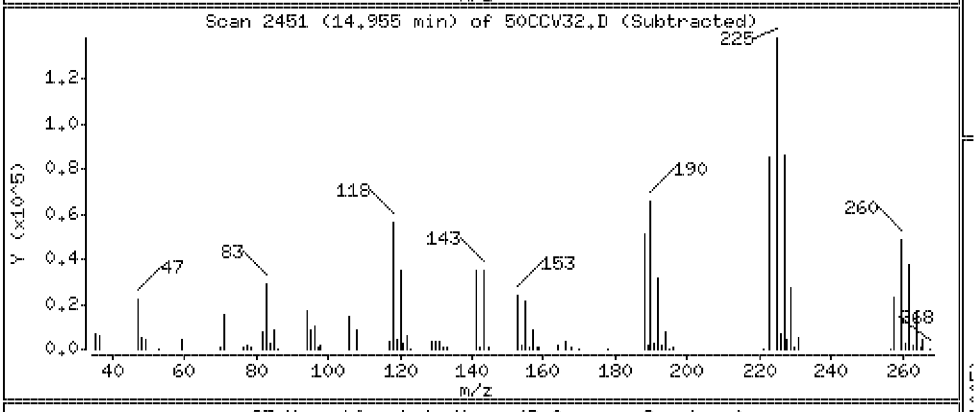
Column phase: DB-624

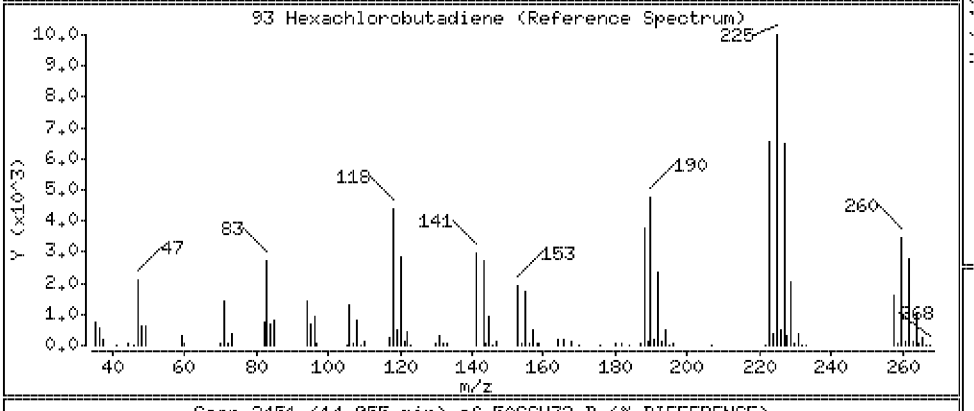
Column diameter: 0.18

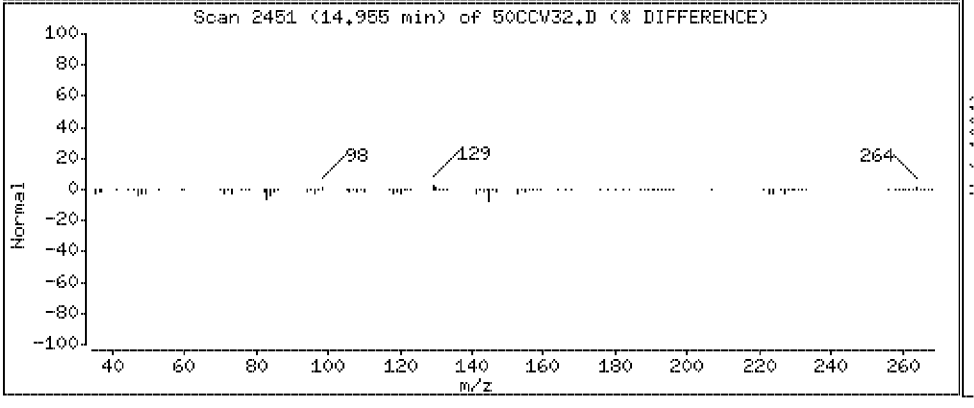
93 Hexachlorobutadiene

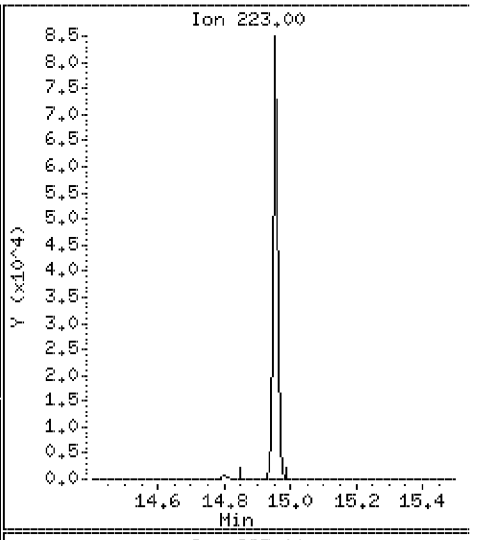
Concentration: 52.2 ug/l

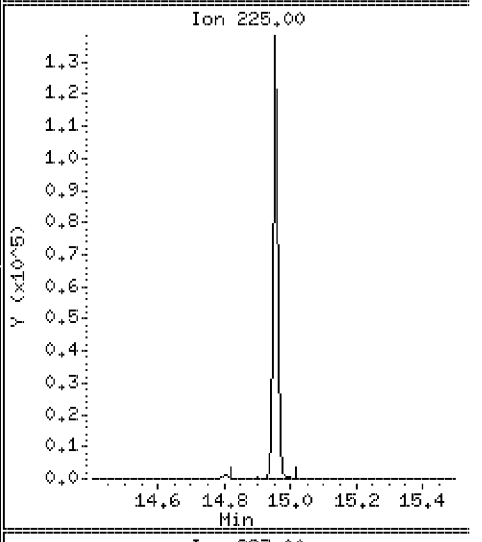


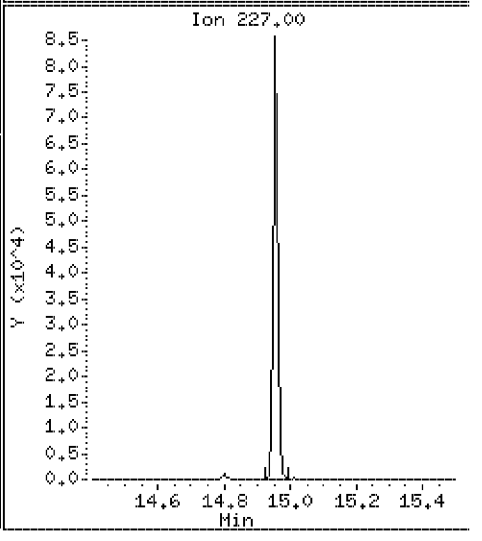












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

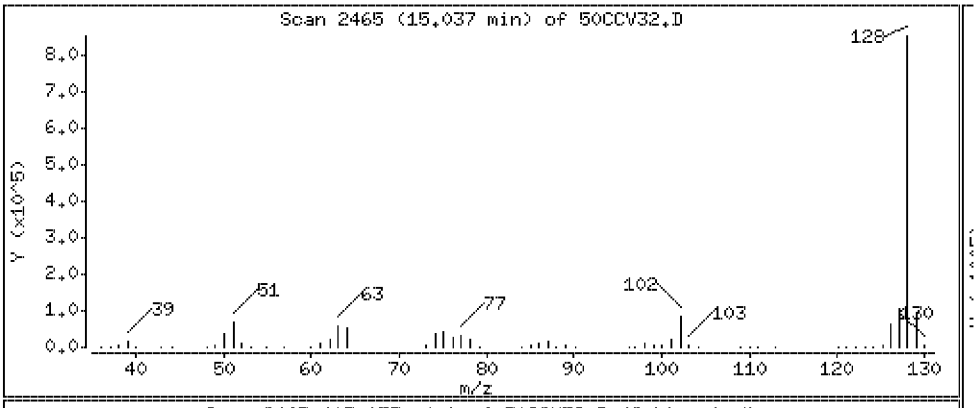
Operator:

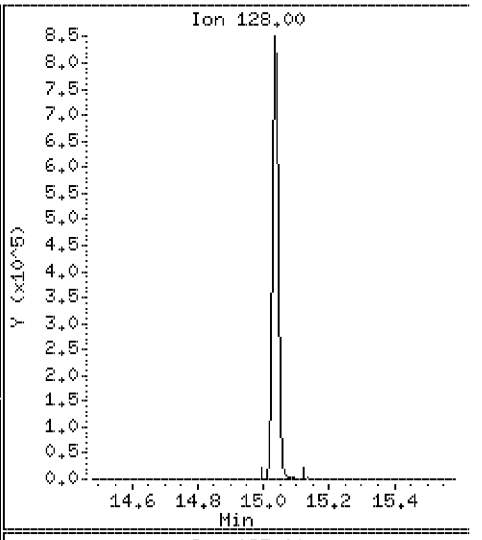
Column phase: DB-624

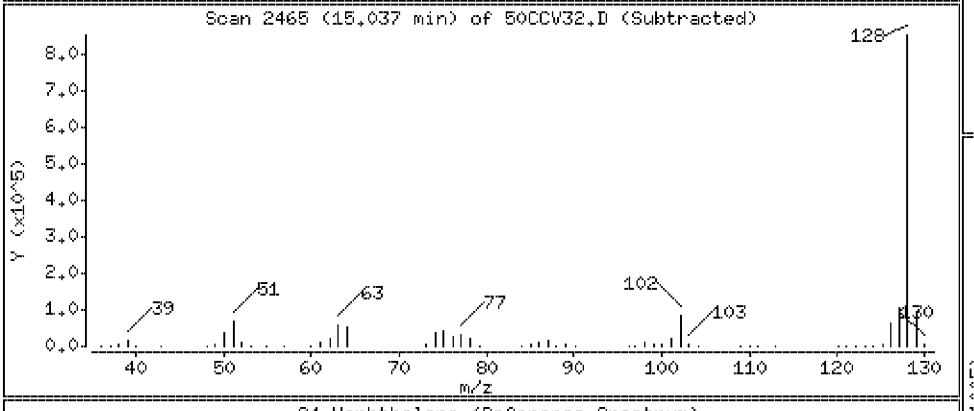
Column diameter: 0.18

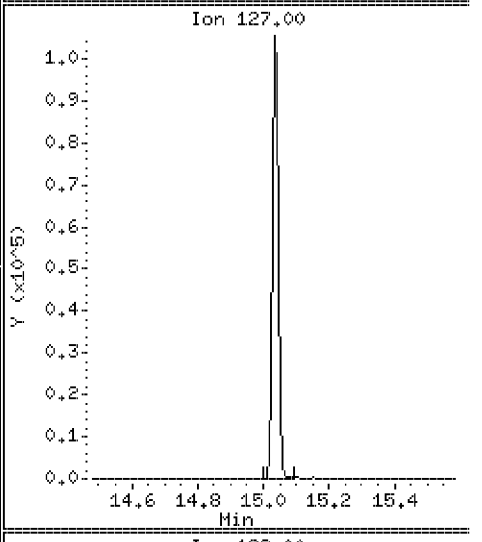
94 Naphthalene

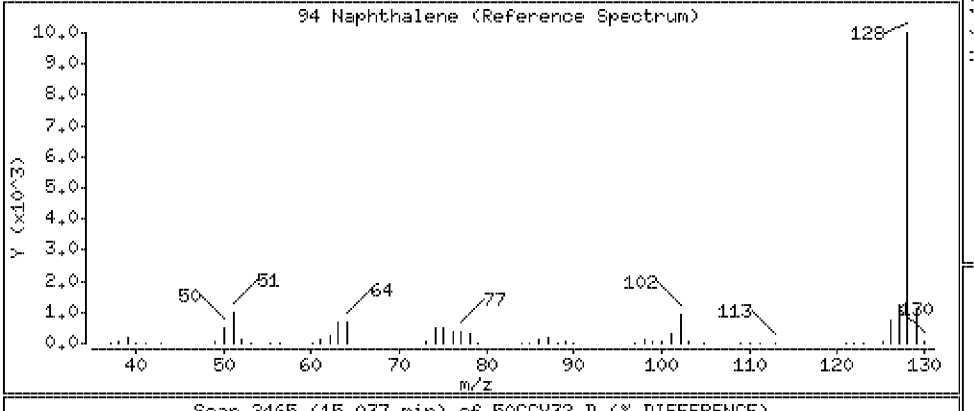
Concentration: 52.7 ug/l

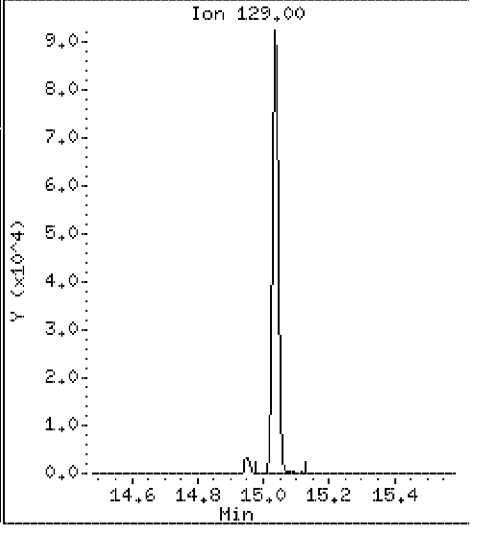


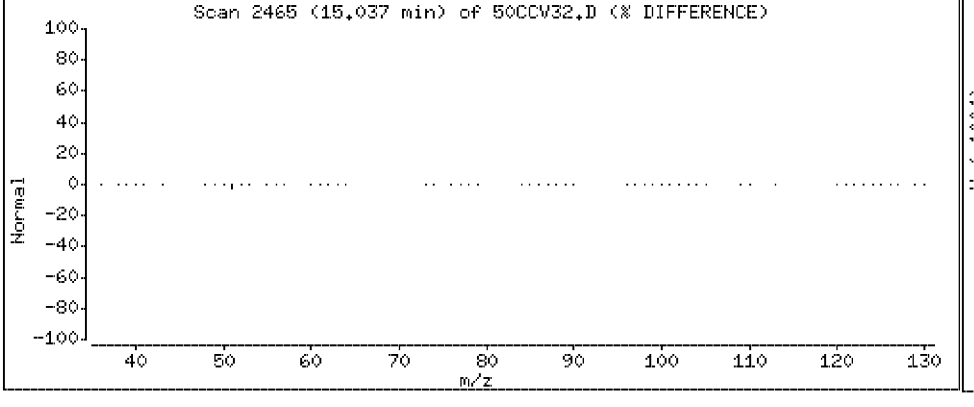












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

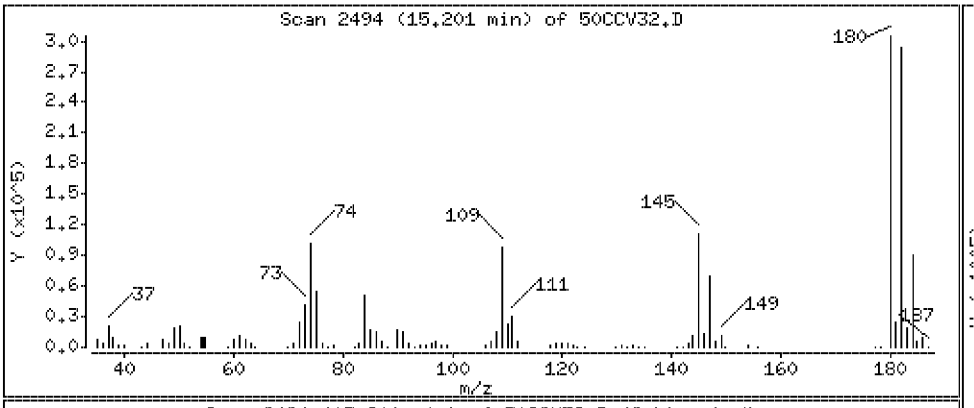
Operator:

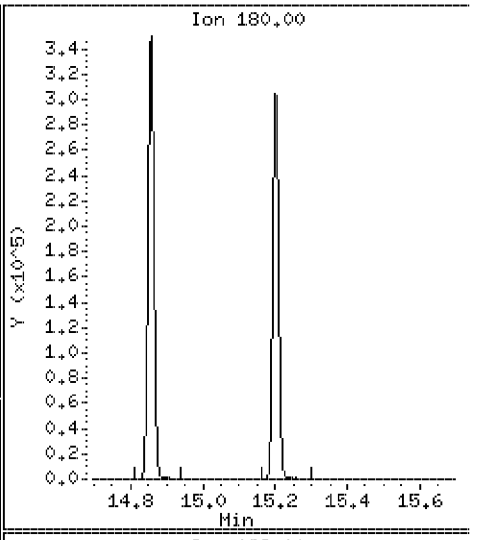
Column phase: DB-624

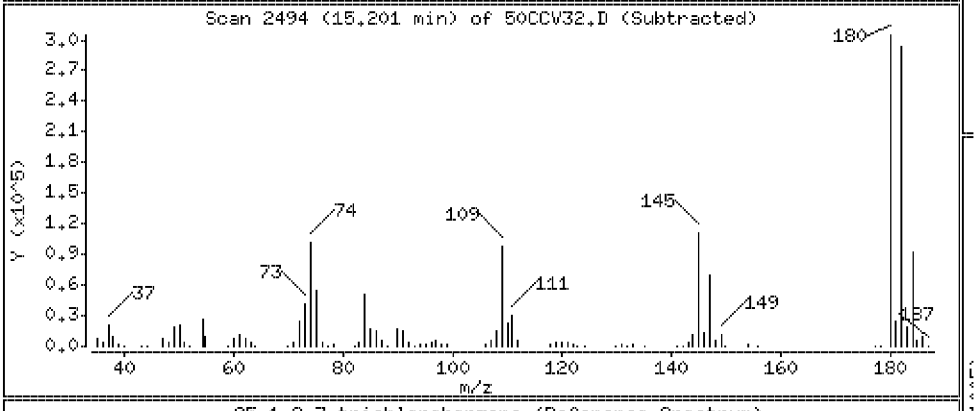
Column diameter: 0.18

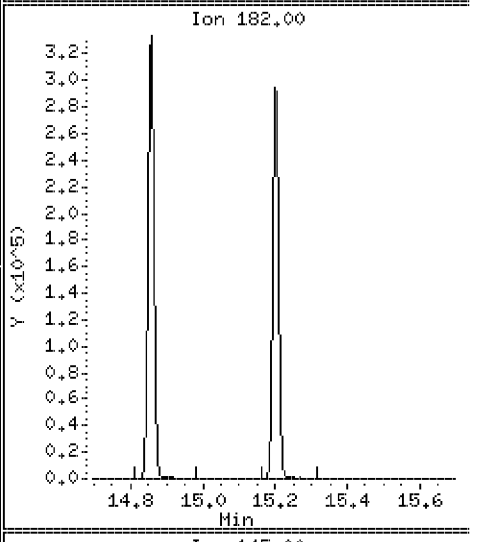
95 1,2,3-trichlorobenzene

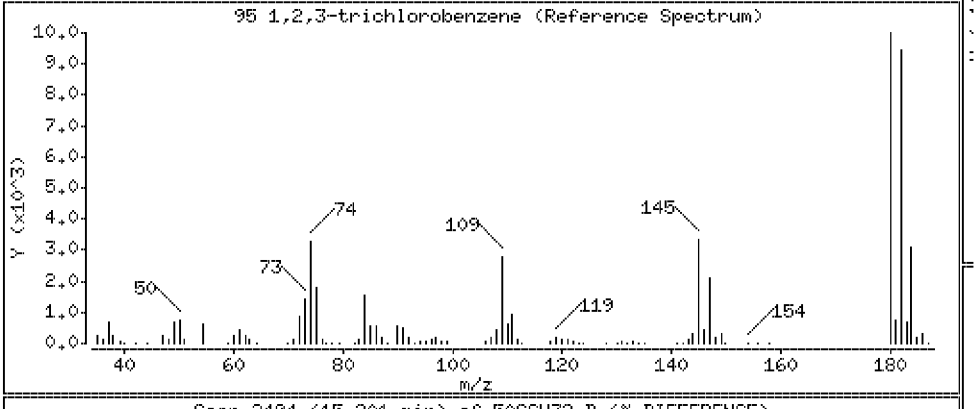
Concentration: 50.0 ug/l

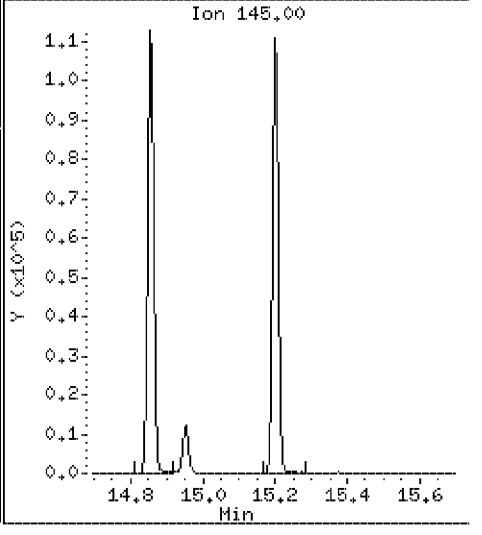


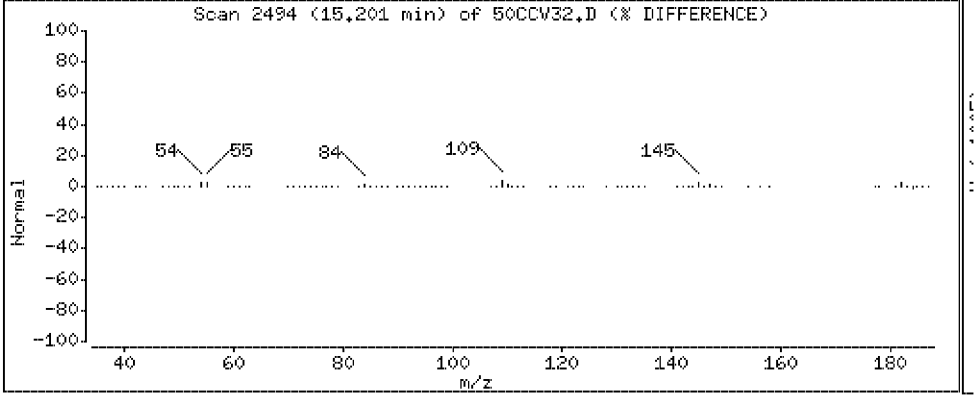












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

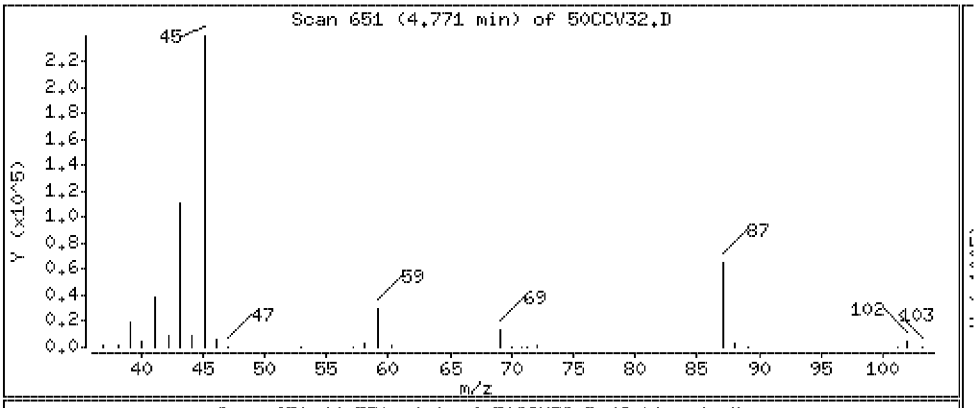
Operator:

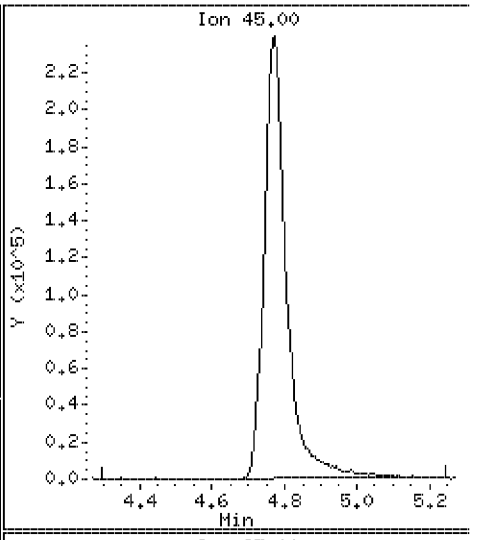
Column phase: DB-624

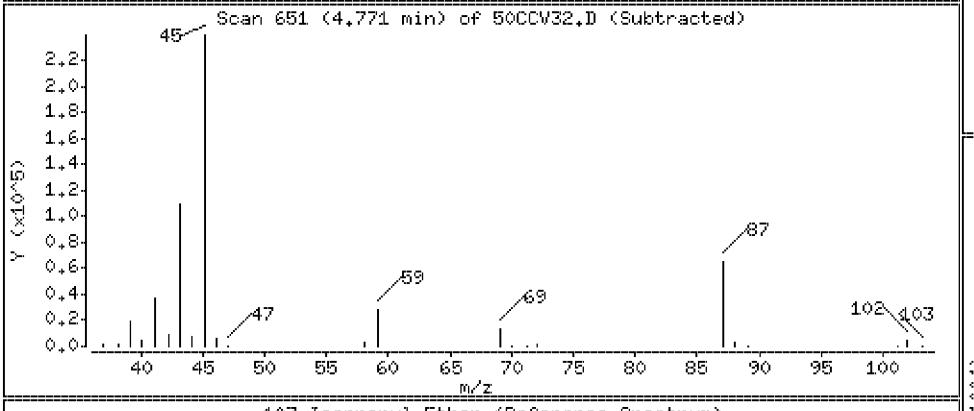
Column diameter: 0.18

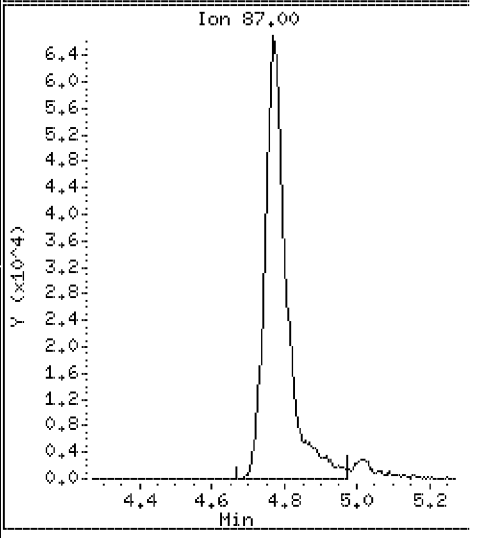
103 Isopropyl Ether

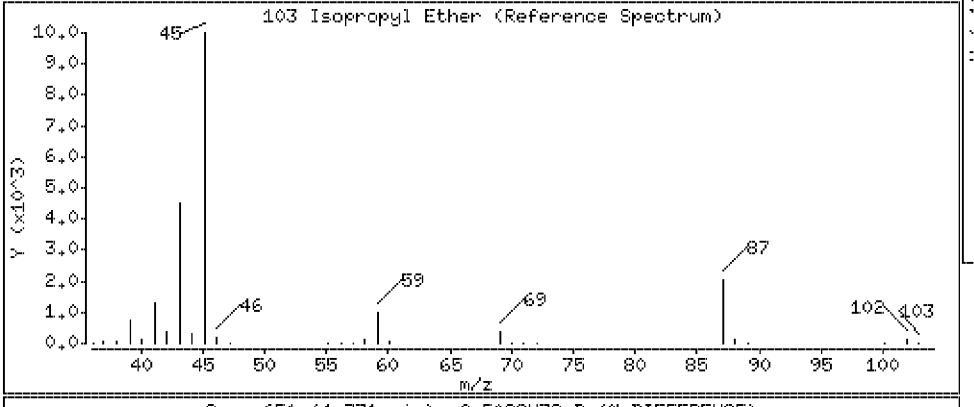
Concentration: 46.1 ug/l

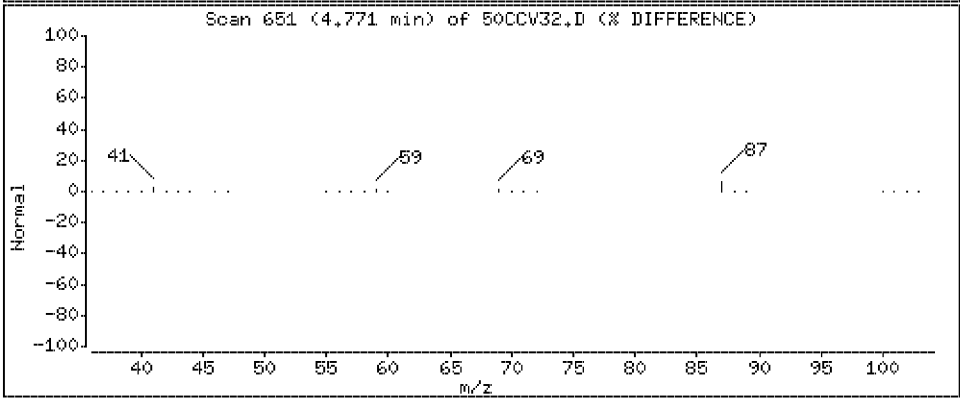












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

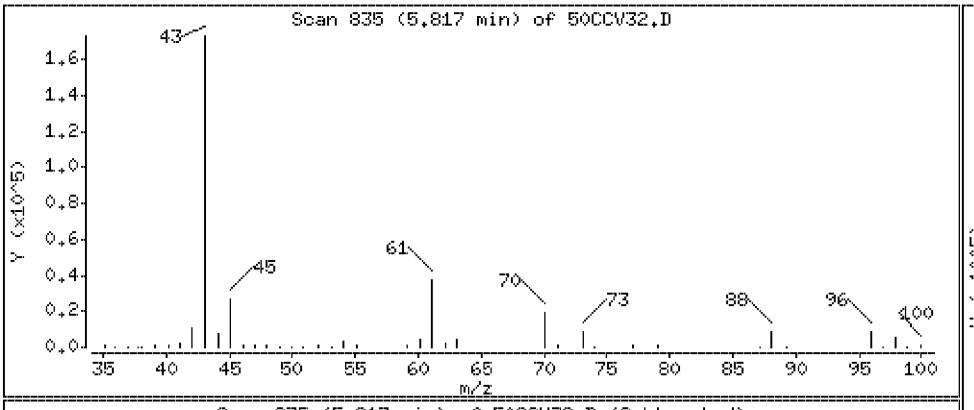
Operator:

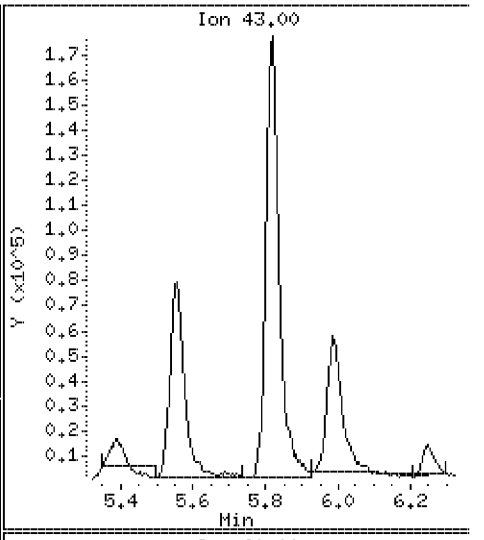
Column phase: DB-624

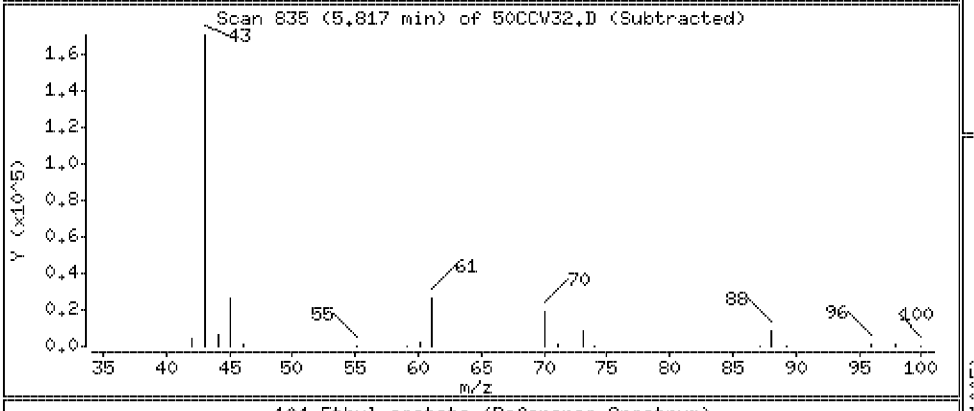
Column diameter: 0.18

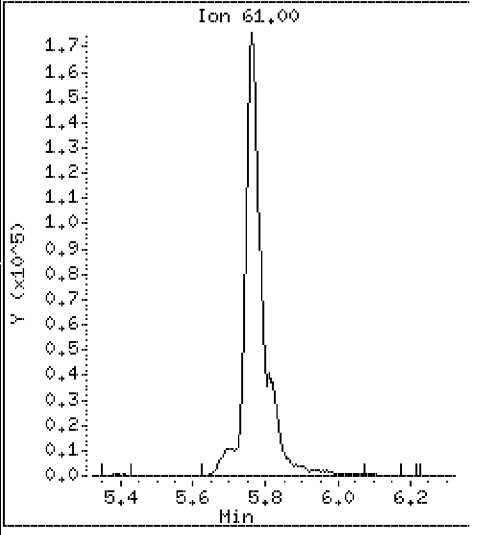
104 Ethyl acetate

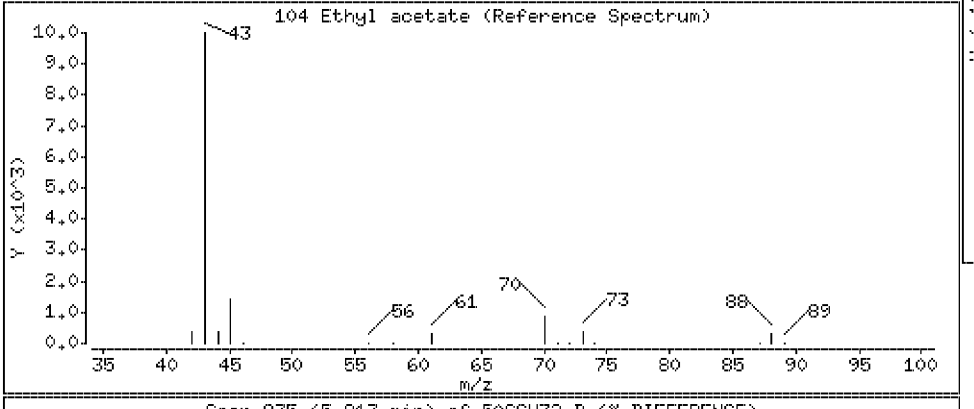
Concentration: 94.4 ug/l

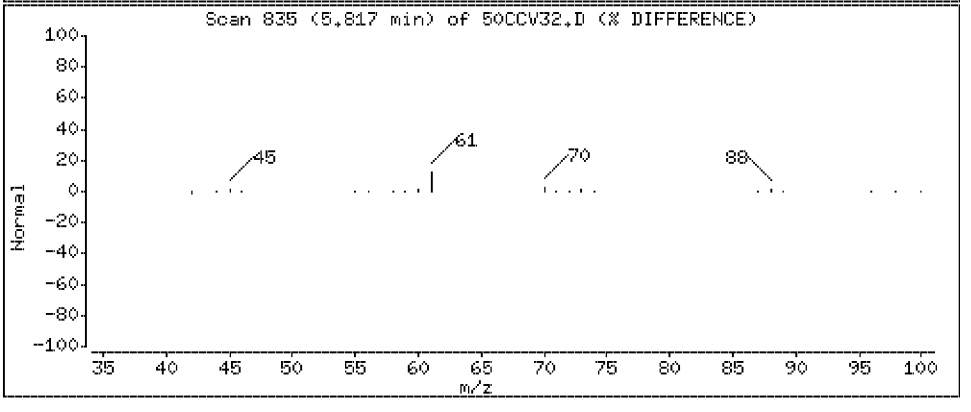












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

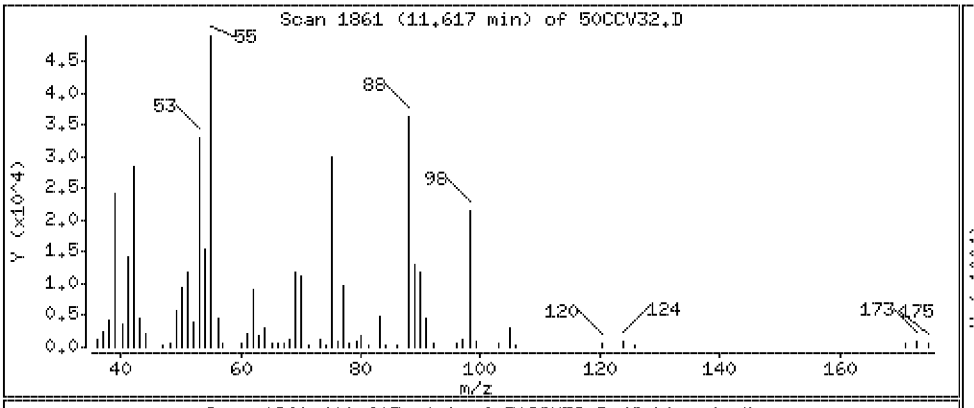
Operator:

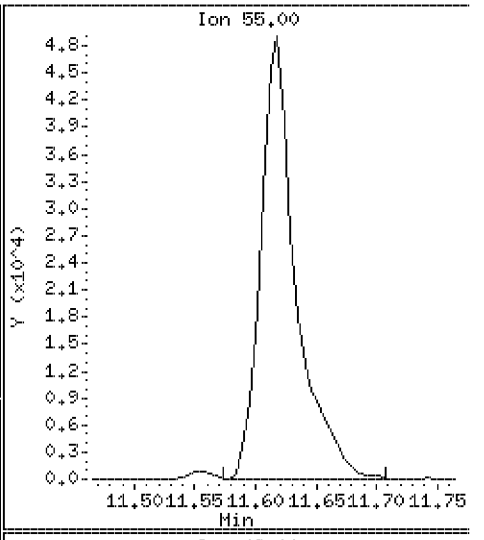
Column phase: DB-624

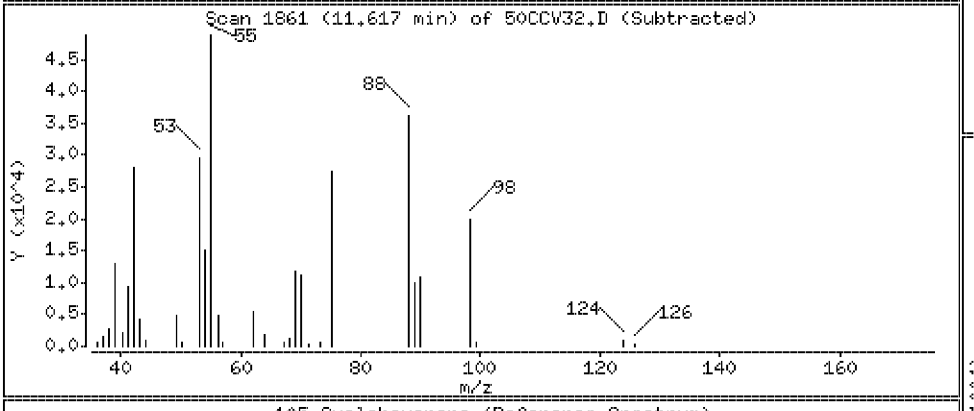
Column diameter: 0.18

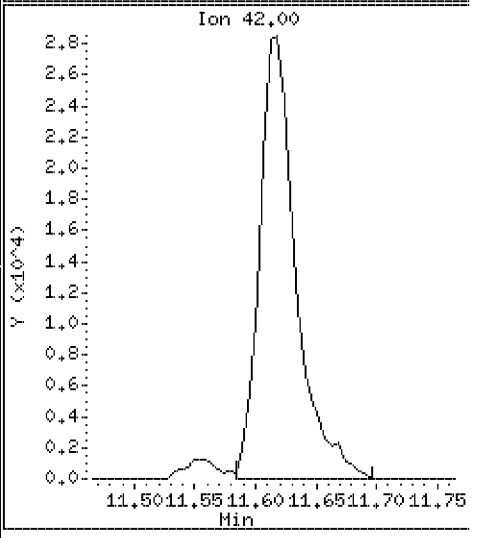
105 Cyclohexanone

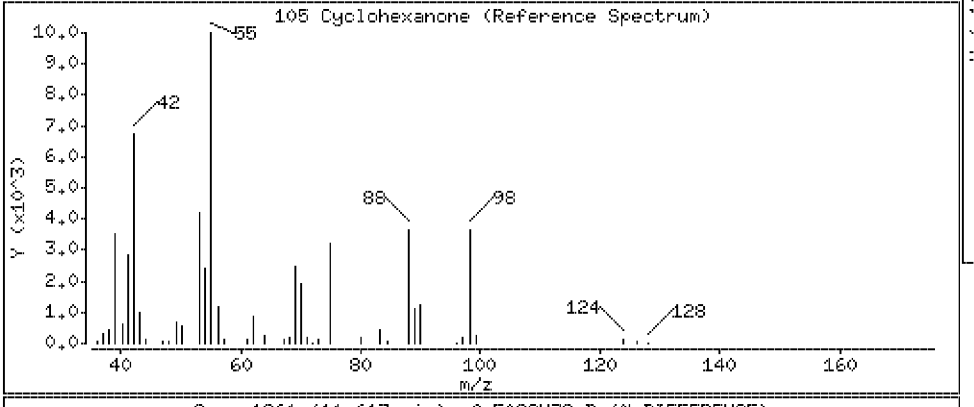
Concentration: 212 ug/l

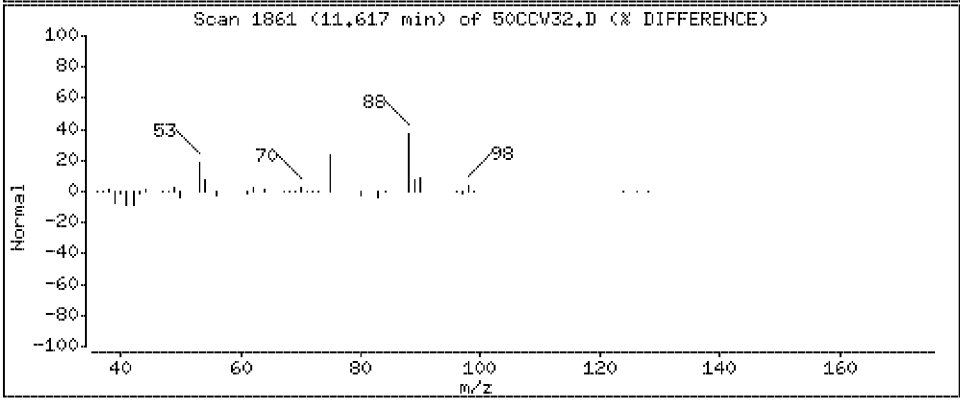












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

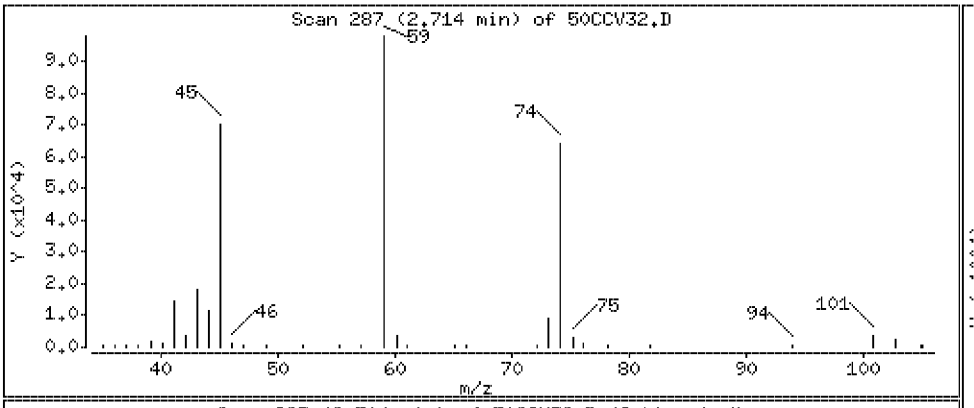
Operator:

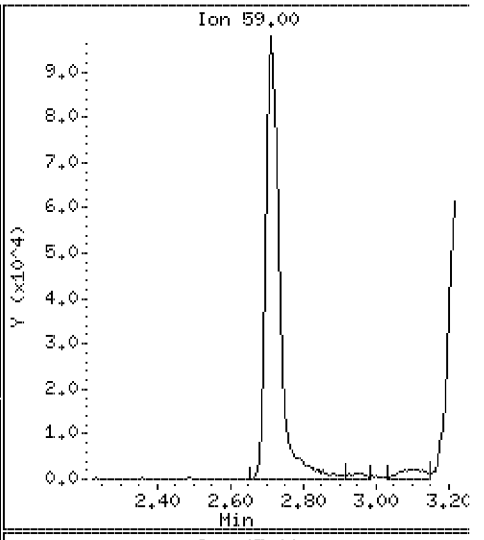
Column phase: DB-624

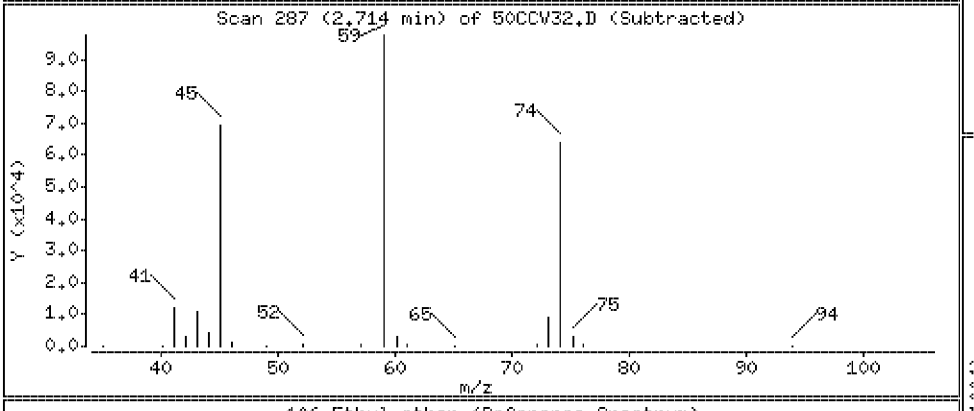
Column diameter: 0.18

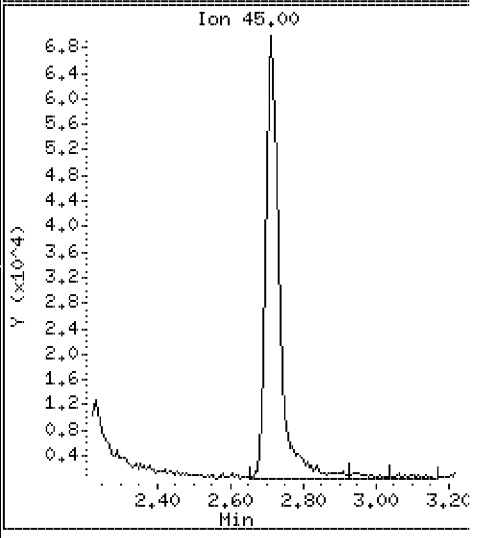
106 Ethyl ether

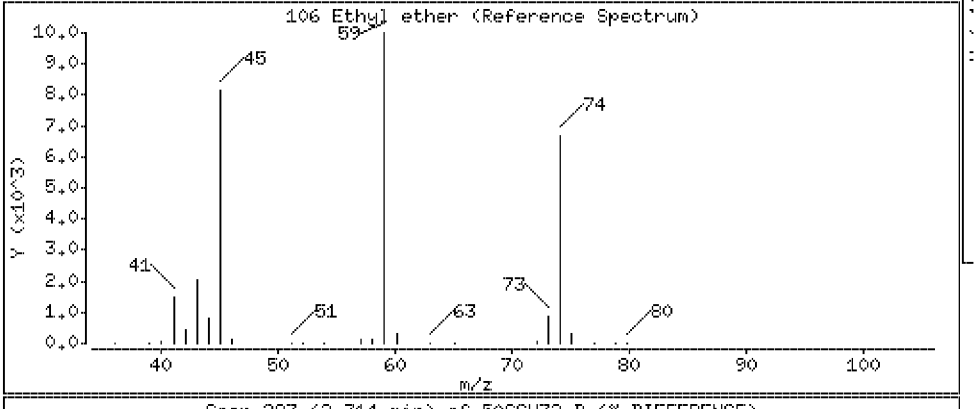
Concentration: 50.6 ug/l

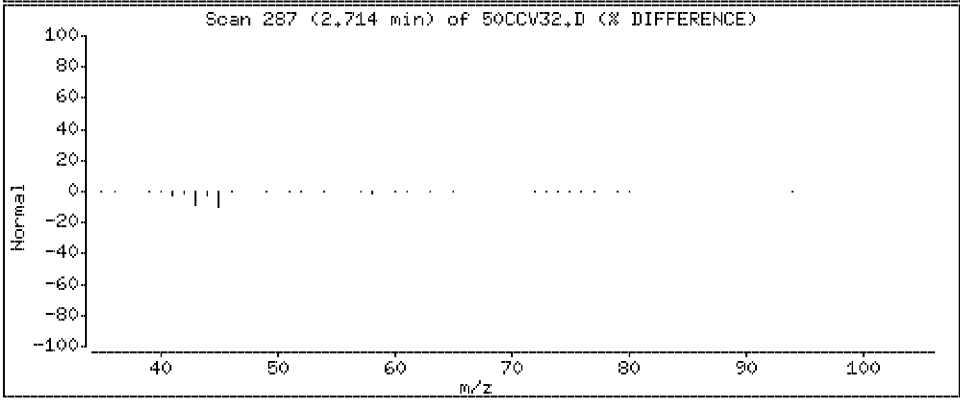












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Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

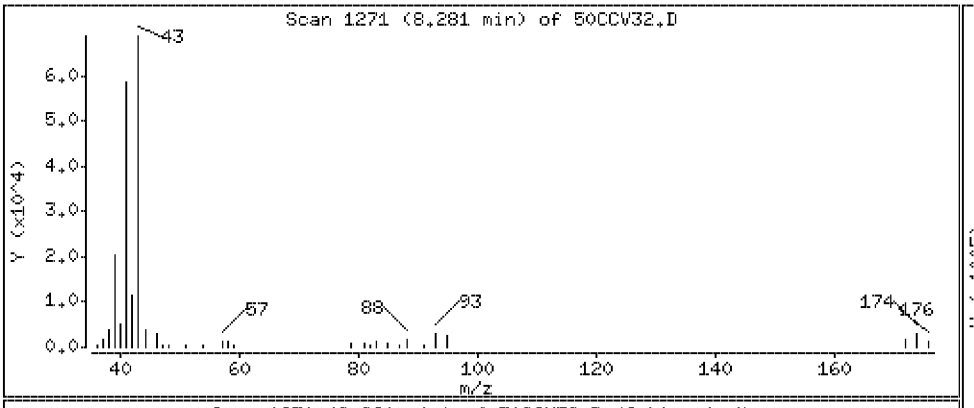
Operator:

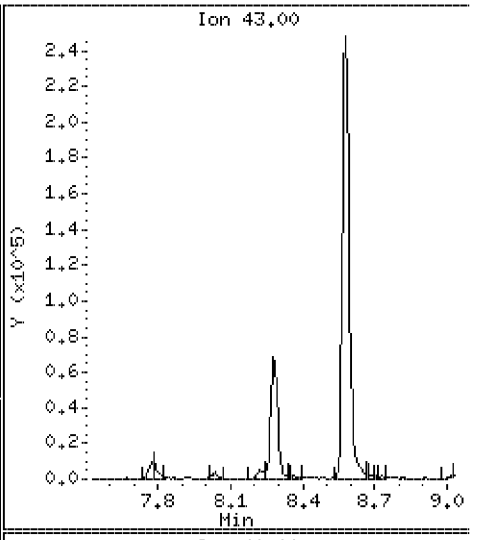
Column phase: DB-624

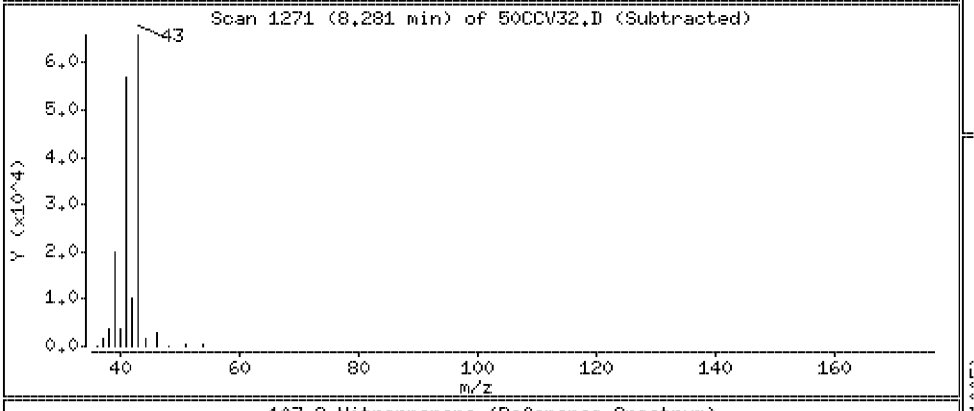
Column diameter: 0.18

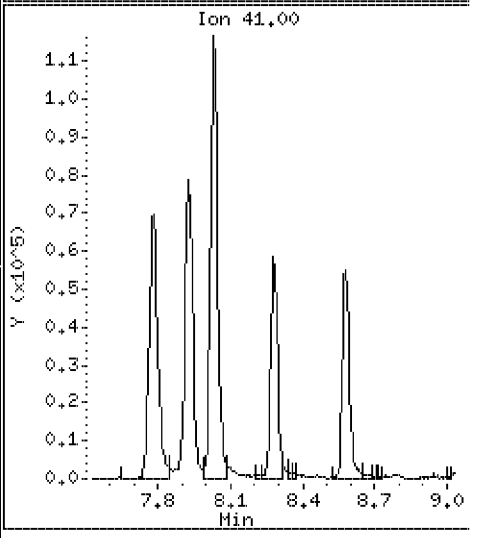
107 2-Nitropropane

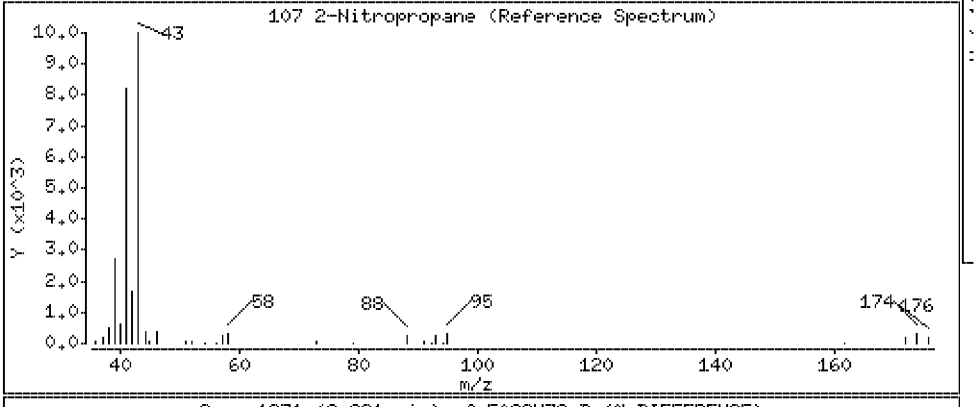
Concentration: 111 ug/l

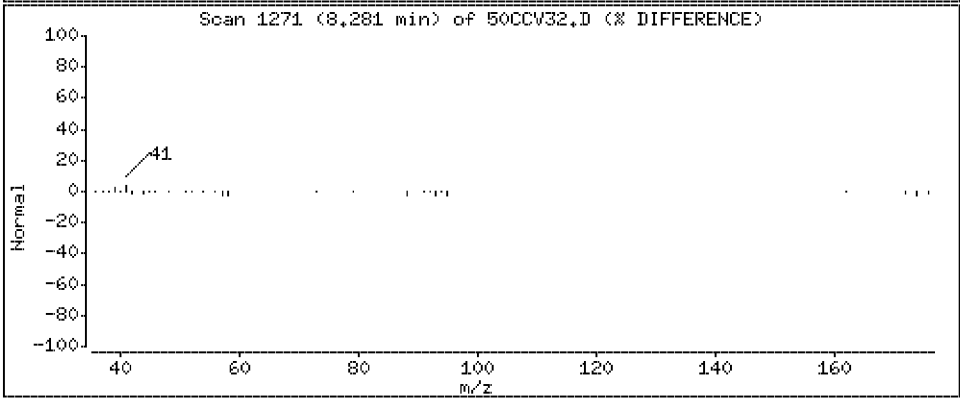












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

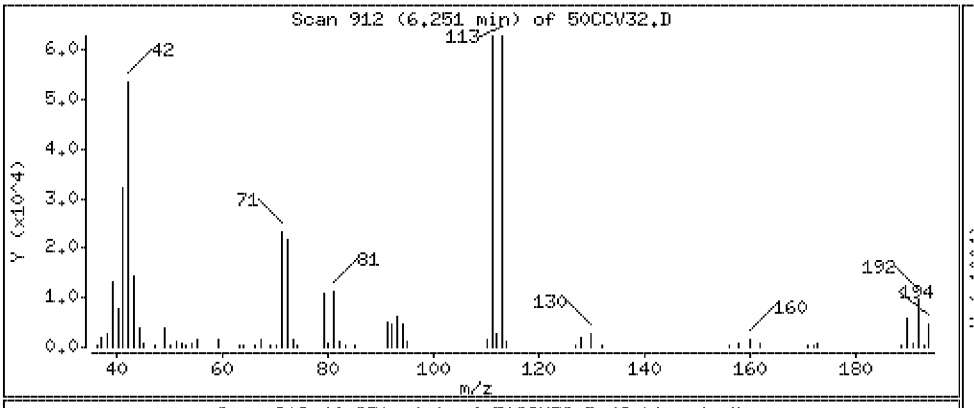
Operator:

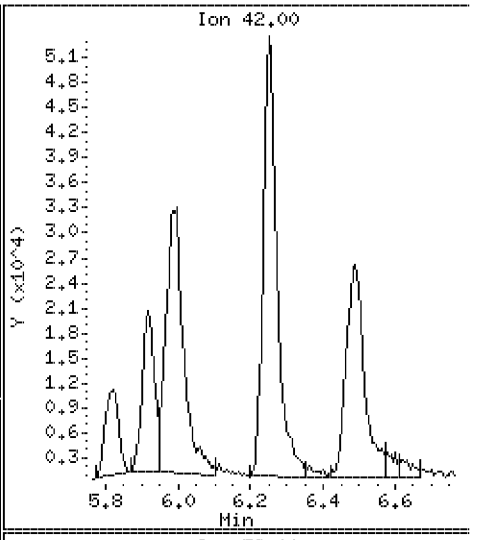
Column phase: DB-624

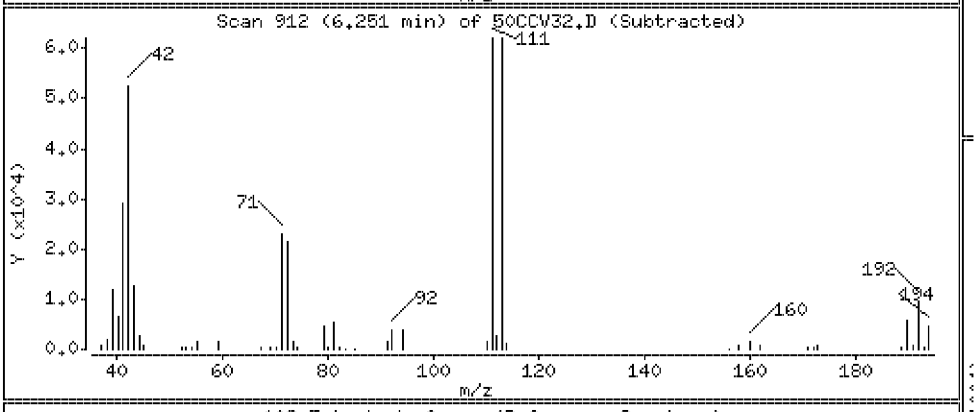
Column diameter: 0.18

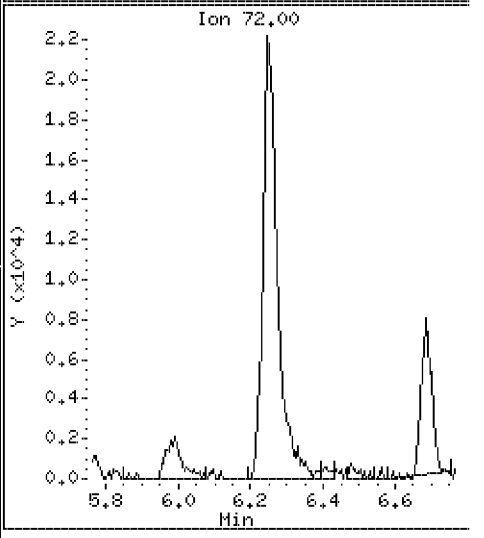
108 Tetrahydrofuran

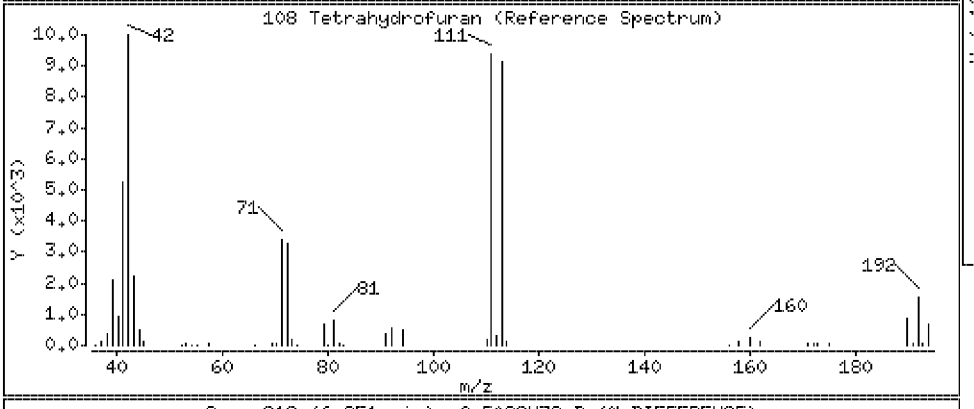
Concentration: 82.9 ug/l

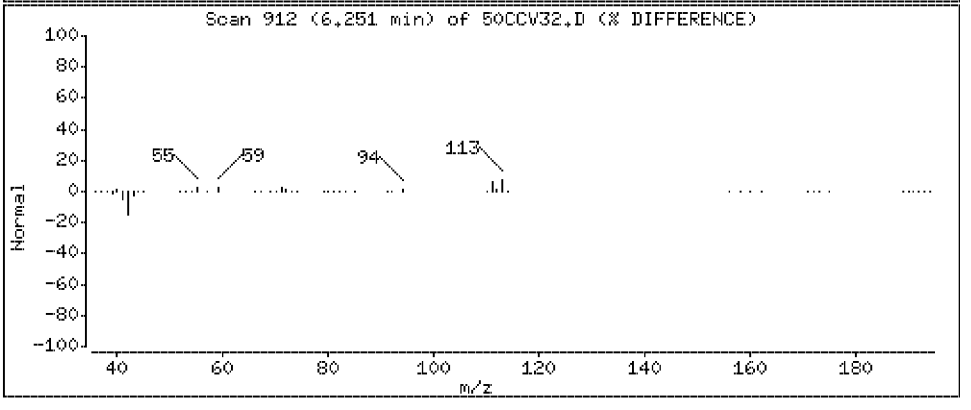












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\LCS32.D
Lab Smp Id: 040408LCSA32 Client Smp ID: 040408LCSA32
Inj Date : 04-APR-2008 07:06
Operator : Inst ID: vms03.i
Smp Info : 040408LCSA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:51 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				340399	43.3867	43.4
M 2 Xylenes (Total)	100				1001457	66.8028	66.8
M 3 Trihalomethanes (Total)	100				619045	91.3788	91.4
4 Dichlorodifluoromethane	85	1.384	1.389	(0.190)	122782	20.9763	21.0
5 Chloromethane	50	1.589	1.573	(0.218)	143951	21.0617	21.1
6 Vinyl Chloride	62	1.680	1.676	(0.231)	93694	19.8338	19.8
7 Bromomethane	96	2.087	2.075	(0.287)	68157	22.7224	22.7(Q)
8 Chloroethane	64	2.179	2.160	(0.300)	81749	21.0360	21.0
9 Trichlorofluoromethane	101	2.402	2.403	(0.330)	172757	20.7258	20.7
113 Bromoethane	108	3.387	3.420	(0.466)	89245	20.6290	20.6
10 Acrolein	56	2.868	2.873	(0.394)	53705	56.8109	56.8
11 1,1,2 Trichlorotrifluoromethan	101	2.898	2.897	(0.398)	95490	19.4680	19.5
12 Acetone	43	2.948	2.945	(0.405)	91708	58.4319	58.4
13 1,1-Dichloroethene	61	3.101	3.097	(0.426)	207504	22.1087	22.1
109 t-Butyl-Alcohol	59	3.222	3.230	(0.443)	121892	269.713	270(Q)
14 Acetonitrile	41	3.287	3.291	(0.452)	146114	194.544	194
15 Iodomethane	142	3.507	3.496	(0.482)	152802	17.9494	17.9
16 Methyl Acetate	43	3.564	3.571	(0.490)	108377	18.8167	18.8
17 Allyl Chloride	41	3.584	3.582	(0.493)	187670	20.0123	20.0
18 Carbon Disulfide	76	3.729	3.724	(0.513)	307903	19.5830	19.6
19 Methylene Chloride	49	3.754	3.778	(0.516)	190591	19.1673	19.2
20 Acrylonitrile	53	3.975	3.981	(0.546)	136459	56.6210	56.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	21 Methyl-tert-butyl ether	73	4.018	4.020	(0.552)	308686	19.5923	19.6
	22 trans 1,2-Dichloroethene	61	4.209	4.208	(0.579)	199271	21.4607	21.5
	23 1,1-Dichloroethane	63	4.881	4.880	(0.671)	234888	21.0123	21.0
	24 Vinyl Acetate	43	4.941	4.944	(0.679)	181508	20.1790	20.2
	25 Chloroprene	53	5.014	5.012	(0.689)	200521	21.8847	21.9
	26 2-Butanone	43	5.554	5.564	(0.764)	140183	56.2019	56.2
	27 Propionitrile	54	5.655	5.662	(0.777)	172673	198.051	198
	114 tert-Butyl ethyl ether	59	5.388	5.389	(0.741)	305048	15.2473	15.2
	28 2,2-Dichloropropane	77	5.701	5.699	(0.784)	106328	25.0734	25.1
	29 cis-1,2-Dichloroethene	96	5.766	5.765	(0.793)	141128	21.9261	21.9
	30 Methyacrylonitrile	67	5.919	5.922	(0.814)	488092	215.029	215
	31 Isobutyl Alcohol	43	5.988	5.995	(0.823)	80466	357.869	358(Q)
	32 Chloroform	83	5.981	5.979	(0.822)	242241	21.9757	22.0
	33 Bromochloromethane	49	6.185	6.184	(0.850)	119988	20.0612	20.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.266	6.264	(0.861)	270148	49.9017	49.9
	35 1,1,1-Trichloroethane	97	6.490	6.487	(0.892)	174842	24.2621	24.3
	36 Cyclohexane	56	6.488	6.489	(0.892)	211680	19.8408	19.8
	37 1,1-Dichloropropene	75	6.688	6.685	(0.919)	177762	22.0577	22.0
	38 Carbon tetrachloride	117	6.794	6.789	(0.934)	157344	23.6871	23.7
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.894	6.891	(0.948)	65256	51.6331	51.6(Q)
	40 1,2-Dichloroethane	62	7.007	7.006	(0.963)	180465	21.8049	21.8
	41 Benzene	78	7.005	7.001	(0.963)	521730	20.9684	21.0
	115 tert-Amyl-methyl ether	73	6.870	6.869	(0.944)	253486	16.4254	16.4
*	42 FLUOROBENZENE (IS)	96	7.274	7.273	(1.000)	1067018	50.0000	
	43 Trichloroethylene	130	7.725	7.722	(1.062)	122209	21.7726	21.8
	44 Methyl Cyclohexane	55	7.782	7.781	(1.070)	162023	20.2677	20.3
	45 1,2-Dichloropropane	63	7.928	7.927	(1.090)	136252	19.5912	19.6
	46 Methyl Methacrylate	69	8.033	8.036	(1.104)	80386	21.4295	21.4
	47 Bromodichloromethane	83	8.182	8.180	(1.125)	177995	22.2059	22.2
	48 1,4 Dioxane	88	8.232	8.238	(1.132)	24079	455.827	456(Q)
	49 Dibromomethane	93	8.233	8.232	(1.132)	78612	22.2242	22.2
	50 4-Methyl-2-Pentanone	43	8.581	8.583	(0.660)	320683	57.3386	57.3
	51 2-Hexanone	43	9.494	9.499	(0.897)	234239	59.3480	59.3
	52 cis 1,3-Dichloropropene	75	8.782	8.781	(1.207)	181381	22.3255	22.3
$	53 TOLUENE d8 (surr)	98	9.026	9.025	(1.241)	1068677	49.8581	49.8
	54 Toluene	92	9.108	9.107	(1.252)	331324	21.6790	21.7
	55 trans 1,3-Dichloropropene	75	9.313	9.313	(1.280)	163073	23.8326	23.8
	56 Ethyl Methacrylate	69	9.320	9.321	(1.281)	162994	23.0098	23.0
	57 1,1,2-Trichloroethane	97	9.469	9.467	(1.302)	113730	21.9788	22.0
	58 1,3-Dichloropropane	76	9.731	9.729	(0.920)	199825	21.5284	21.5
	59 Tetrachloroethylene	164	9.781	9.780	(0.924)	95286	22.8989	22.9
	60 Dibromochloromethane	129	9.989	9.987	(0.944)	125357	23.2944	23.3
	61 1,2-Dibromoethane	107	10.192	10.192	(0.963)	116781	22.5829	22.6
	62 1-Chlorohexane	91	10.372	10.373	(0.980)	169849	22.5305	22.5
*	63 CHLOROBENZENE d5 (IS)	117	10.581	10.580	(1.000)	761205	50.0000	
	64 Chlorobenzene	112	10.620	10.620	(1.004)	349748	21.5456	21.5
	65 1,1,1,2-Tetrachloroethane	131	10.666	10.667	(1.008)	117454	23.3063	23.3(q)
	66 Ethylbenzene	106	10.676	10.672	(1.009)	197423	22.2241	22.2
	67 p,m-Xylene	106	10.754	10.753	(1.016)	494660	44.6897	44.7
	68 o-Xylene	91	11.192	11.190	(1.058)	506797	22.1131	22.1
	69 Styrene	104	11.230	11.230	(1.061)	434539	22.4747	22.5
	70 Bromoform	173	11.567	11.569	(1.093)	73452	23.9028	23.9
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	614888	21.9451	21.9
	72 1,4-Dichloro-2-Butene	53	11.610	11.609	(0.893)	28107	22.9475	22.9(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
73	1,1,2,2-Tetrachloroethane	83	11.734	11.732	(0.903)	150612	20.7922	20.8
$ 74	4-BROMOFLUOROBENZENE (surr)	95	11.808	11.808	(0.908)	448306	48.7982	48.8
75	1,2,3- trichloropropane	110	11.881	11.879	(0.914)	49369	22.8722	22.9
76	n-Propylbenzene	91	11.960	11.959	(0.920)	744783	21.5044	21.5
77	Bromobenzene	77	11.999	11.998	(0.923)	268473	20.1891	20.2
78	1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	554181	22.2689	22.3
79	2-Chlorotoluene	91	12.136	12.136	(0.934)	547353	21.7080	21.7
80	4-Chlorotoluene	91	12.184	12.183	(0.937)	532131	22.0981	22.1
81	tert-Butylbenzene	119	12.479	12.479	(0.960)	496100	22.7322	22.7
82	1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	587889	22.3369	22.3
83	sec-Butylbenzene	105	12.691	12.692	(0.976)	638629	22.0280	22.0
84	p-Isopropyltoluene	119	12.830	12.830	(0.987)	543332	22.1774	22.2
85	1,3-Dichlorobenzene	146	12.923	12.923	(0.994)	306735	22.0638	22.1
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	429549	50.0000	
87	1,4-Dichlorobenzene	146	13.031	13.032	(1.002)	308490	21.6317	21.6
88	Benzyl Chloride	91	13.150	13.150	(1.012)	224853	26.8592	26.8
89	n-Butylbenzene	91	13.242	13.242	(1.019)	500276	22.3299	22.3
90	1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	290864	21.7211	21.7
91	1,2-dibromo-3-chloropropane	75	14.175	14.173	(1.091)	26186	22.7867	22.8
92	1,2,4-Trichlorobenzene	180	14.861	14.853	(1.143)	181959	23.0638	23.1
93	Hexachlorobutadiene	223	14.959	14.950	(1.151)	43719	23.6624	23.7
94	Naphthalene	128	15.041	15.032	(1.157)	444368	23.7082	23.7
95	1,2,3-trichlorobenzene	180	15.206	15.196	(1.170)	165592	23.2036	23.2
103	Isopropyl Ether	45	4.773	4.771	(0.656)	440171	19.7425	19.7
104	Ethyl acetate	43	5.819	5.824	(0.800)	202841	41.3551	41.4(q)
105	Cyclohexanone	55	11.617	11.616	(1.098)	42964	91.7190	91.7
106	Ethyl ether	59	2.714	2.719	(0.373)	103827	21.0168	21.0(Q)
107	2-Nitropropane	43	8.282	8.279	(1.139)	64648	50.5374	50.5
108	Tetrahydrofuran	42	6.249	6.264	(0.859)	61684	35.7174	35.7

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: LCS32.D
Lab Smp Id: 040408LCSA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 040408LCSA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1067018	-8.50
63 CHLOROBENZENE d5	822247	411124	1644494	761205	-7.42
86 1,4-DICHLOROBENZE	457500	228750	915000	429549	-6.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.05
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\LCS32.D
Date : 04-APR-2008 07:06
Client ID: 040408LCSA32
Sample Info: 040408LCSA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18

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2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\BLK32.D
Lab Smp Id: 040408BLKA32 Client Smp ID: 040408BLKA32
Inj Date : 04-APR-2008 09:02
Operator : Inst ID: vms03.i
Smp Info : 040408BLKA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.267	6.264	(0.861)	267143	51.1686	51.2
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.896	6.891	(0.948)	63225	51.8732	51.9(Q)
* 42 FLUOROBENZENE (IS)	96	7.276	7.273	(1.000)	1029024	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	1042862	50.4501	50.4
* 63 CHLOROBENZENE d5 (IS)	117	10.582	10.580	(1.000)	748615	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.908)	433051	49.3397	49.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	410378	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: BLK32.D
Lab Smp Id: 040408BLKA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 040408BLKA32
Level: LOW
Sample Type: WATER

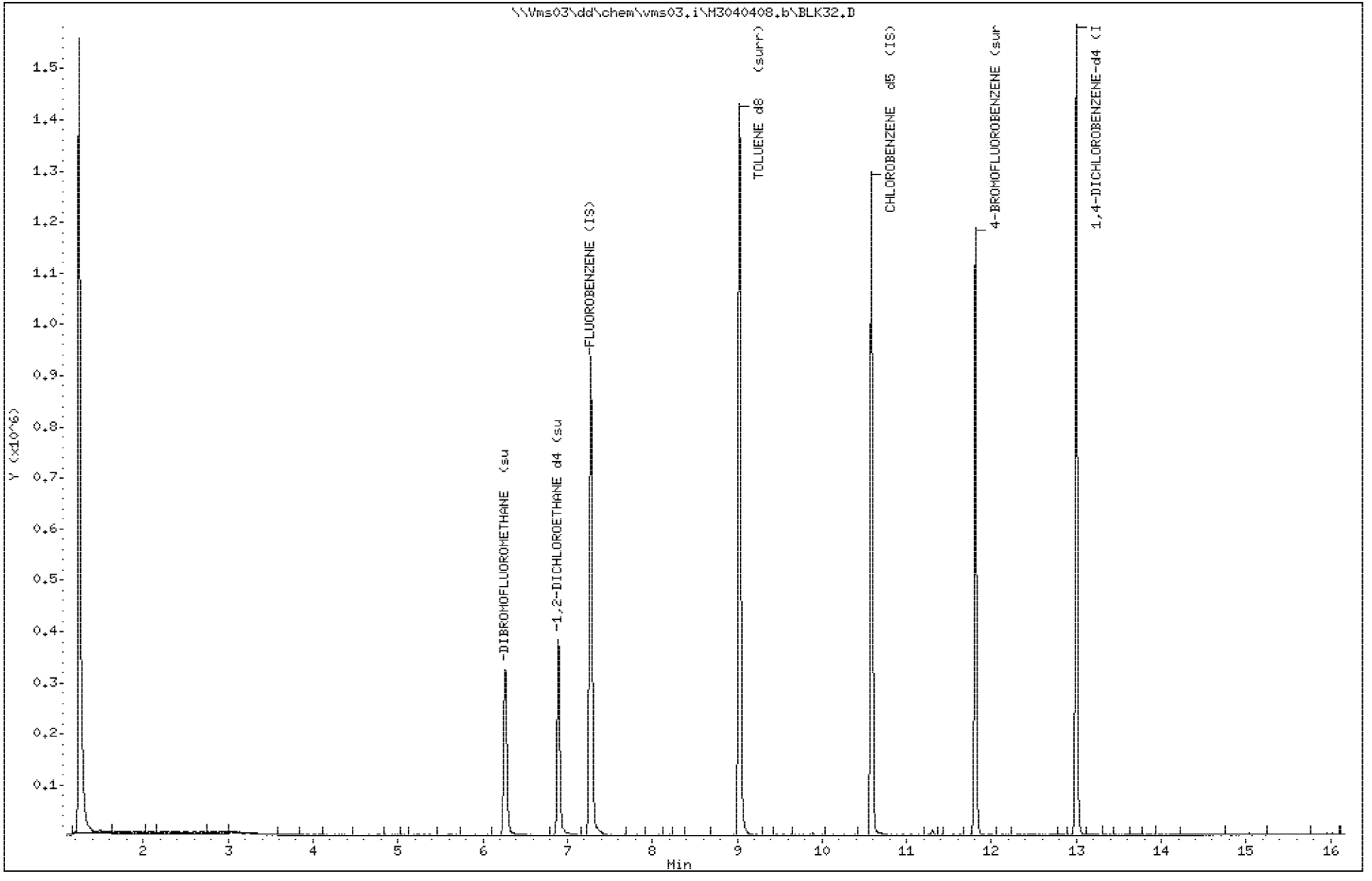
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1029024	-11.76
63 CHLOROBENZENE d5	822247	411124	1644494	748615	-8.95
86 1,4-DICHLOROBENZE	457500	228750	915000	410378	-10.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.07
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.03
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\BLK32.D
Date : 04-APR-2008 09:02
Client ID: 040408BLKA32
Sample Info: 040408BLKA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



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2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94601.D
Lab Smp Id: 250894601 Client Smp ID: SLOP-6321-5-24
Inj Date : 04-APR-2008 10:13
Operator : Inst ID: vms03.i
Smp Info : 250894601;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	12 Acetone	43	2.953	2.945	(0.406)	14082	9.26867	9.3(a)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.268	6.264	(0.862)	263957	50.3683	50.4
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.895	6.891	(0.948)	65895	53.8605	53.9(Q)
*	42 FLUOROBENZENE (IS)	96	7.276	7.273	(1.000)	1032908	50.0000	
$	53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	1026046	49.4500	49.4
*	63 CHLOROBENZENE d5 (IS)	117	10.582	10.580	(1.000)	741835	50.0000	
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.908)	427385	49.1123	49.1
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	406884	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94601.D
Lab Smp Id: 250894601
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

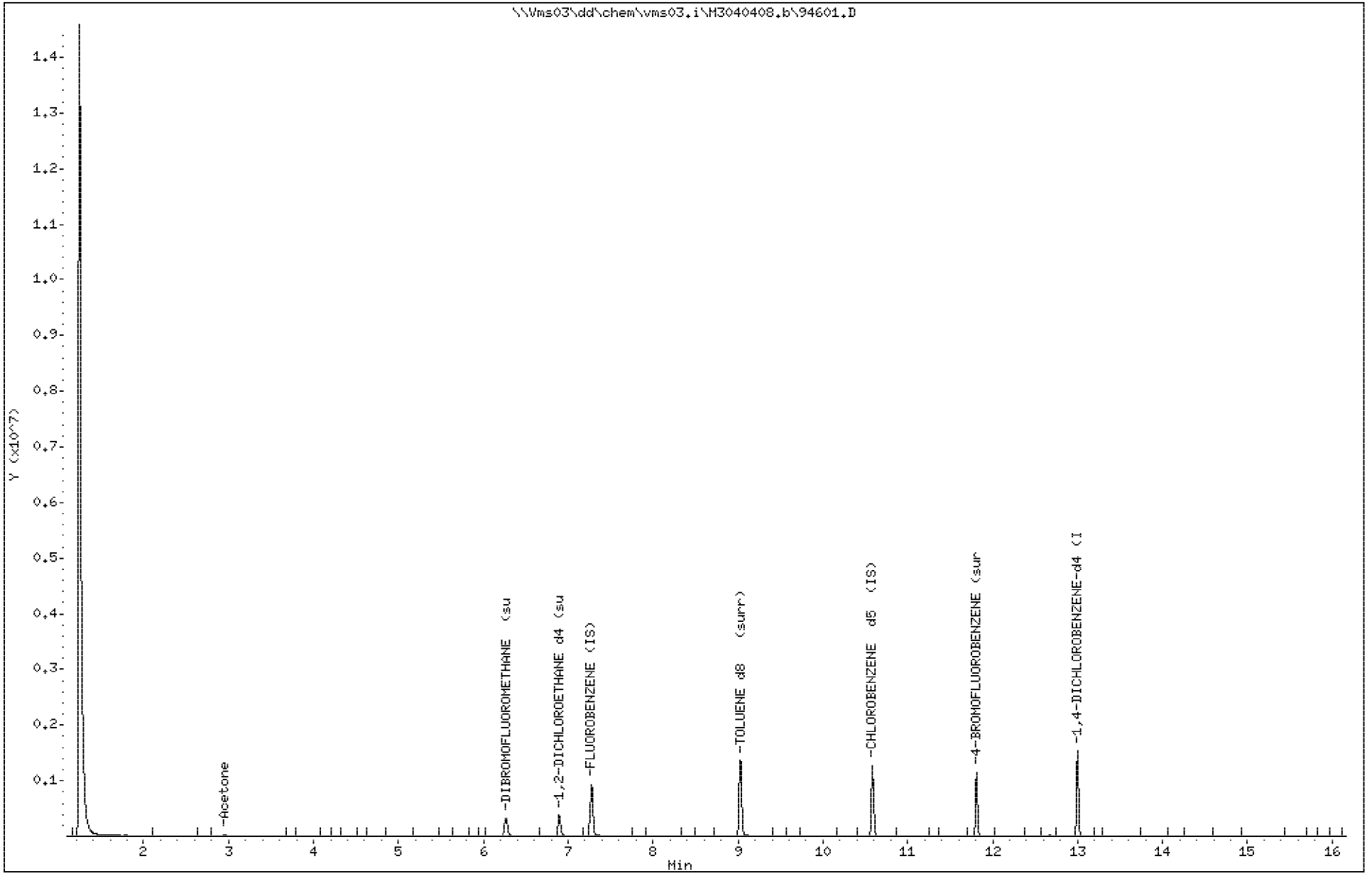
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOP-6321-5-24
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1032908	-11.43
63 CHLOROBENZENE d5	822247	411124	1644494	741835	-9.78
86 1,4-DICHLOROBENZE	457500	228750	915000	406884	-11.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.07
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.03
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94601.D
Date : 04-APR-2008 10:13
Client ID: SLOP-6321-5-24
Instrument: vms03.i
Sample Info: 250894601;2508946;1;
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



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2508946

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94601.D

Date : 04-APR-2008 10:13

Client ID: SLOP-[redacted]5-24

Instrument: vms03.i

Sample Info: 250894601;2508946;1;

Purge Volume: 5.0

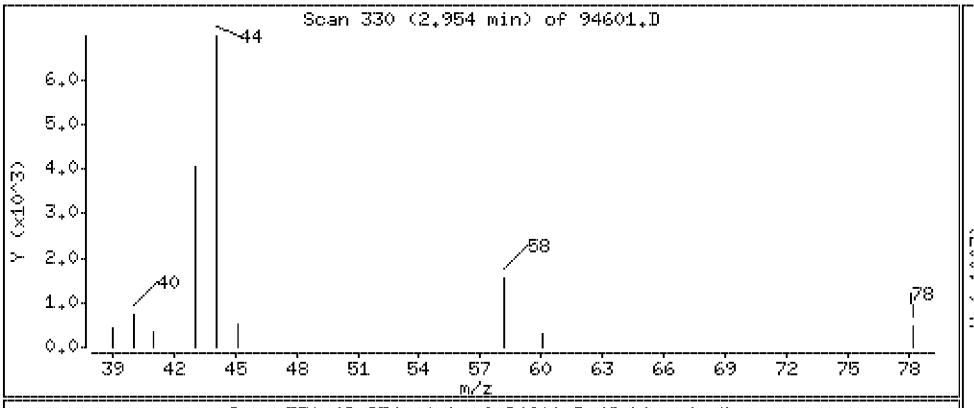
Operator:

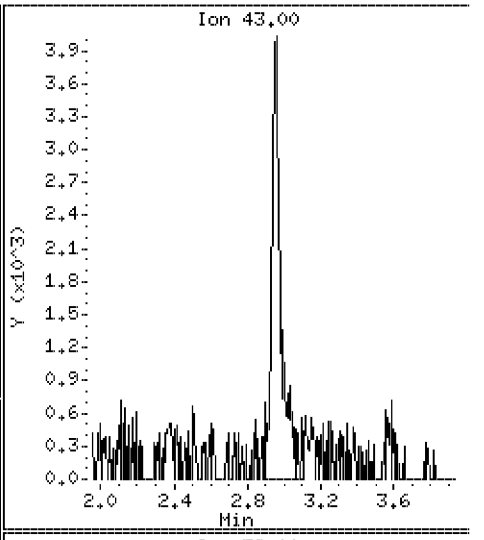
Column phase: DB-624

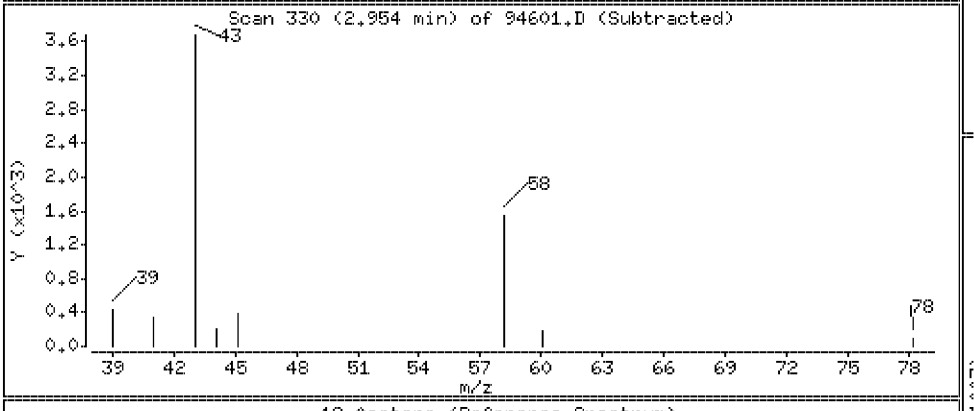
Column diameter: 0.18

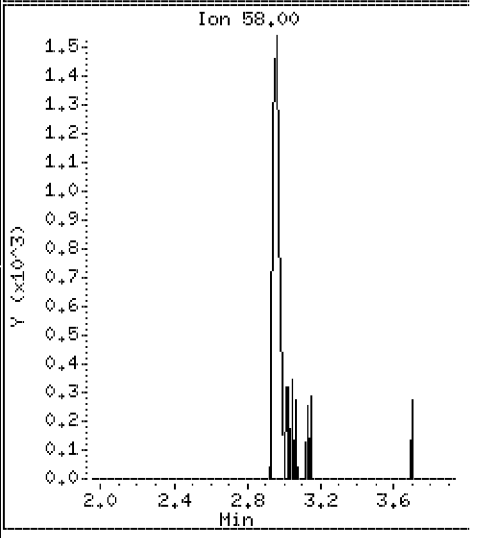
12 Acetone

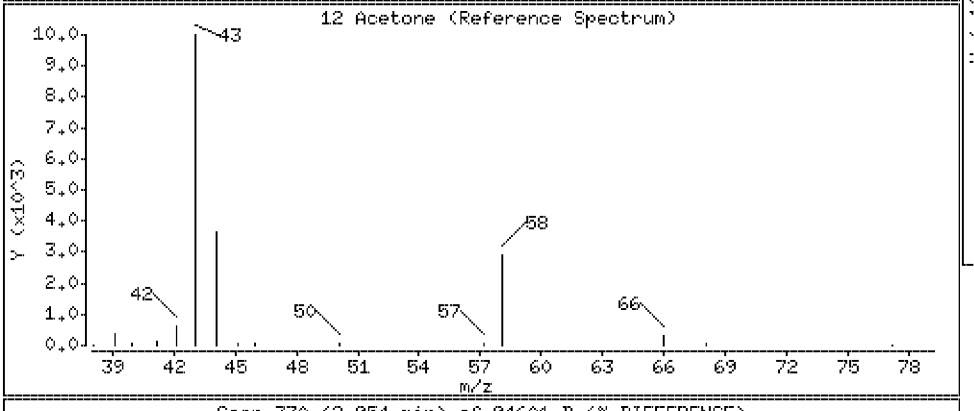
Concentration: 9.3 ug/l

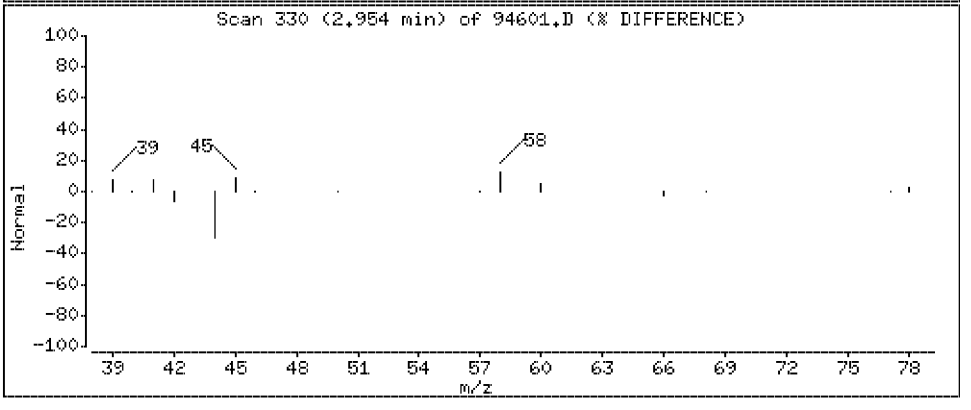












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94602.D
Lab Smp Id: 250894602 Client Smp ID: SLOP-6321-5-24-FD
Inj Date : 04-APR-2008 10:36
Operator : Inst ID: vms03.i
Smp Info : 250894602;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	12 Acetone	43	2.953	2.945	(0.406)	13504	9.19760	9.2(a)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.267	6.264	(0.861)	264340	52.1970	52.2
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.896	6.891	(0.948)	62741	53.0675	53.1(Q)
*	42 FLUOROBENZENE (IS)	96	7.275	7.273	(1.000)	998166	50.0000	
$	53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	1028125	51.2748	51.3
*	63 CHLOROBENZENE d5 (IS)	117	10.582	10.580	(1.000)	742364	50.0000	
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.908)	427741	49.3195	49.3
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	405512	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94602.D
Lab Smp Id: 250894602
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

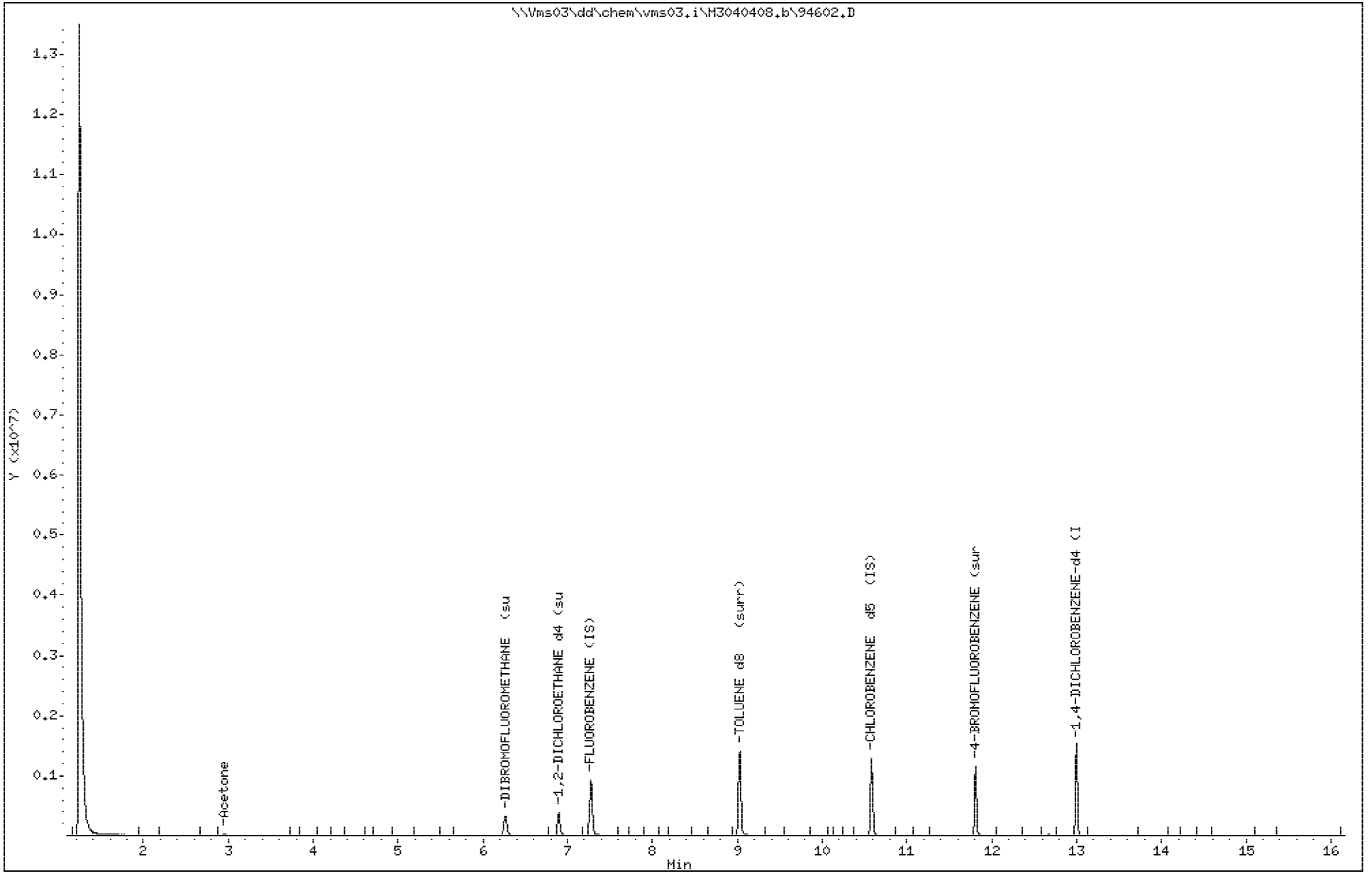
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOP-6321-5-24-
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	998166	-14.40
63 CHLOROBENZENE d5	822247	411124	1644494	742364	-9.72
86 1,4-DICHLOROBENZE	457500	228750	915000	405512	-11.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.06
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94602.D
Date : 04-APR-2008 10:36
Client ID: SLOP-[redacted]
Instrument: vms03.i
Sample Info: 250894602;2508946;1;
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-174

2508946

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94602.D

Date : 04-APR-2008 10:36

Client ID: SLOP[redacted]5-24-FD

Instrument: vms03.i

Sample Info: 250894602;2508946;1;

Purge Volume: 5.0

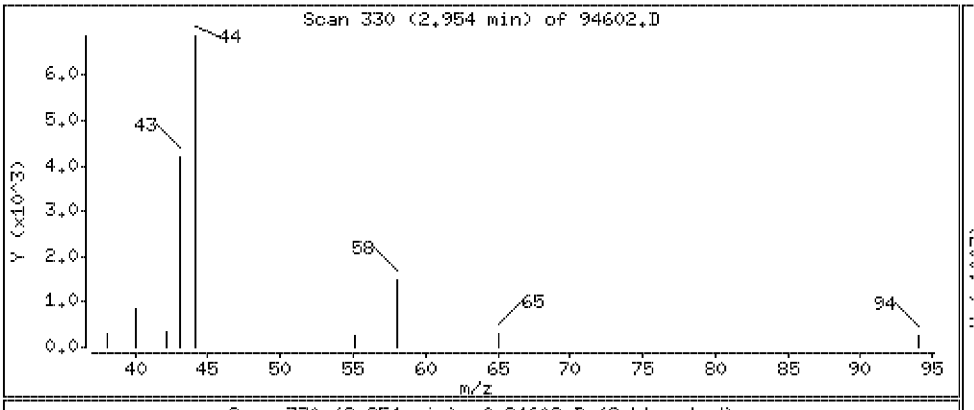
Operator:

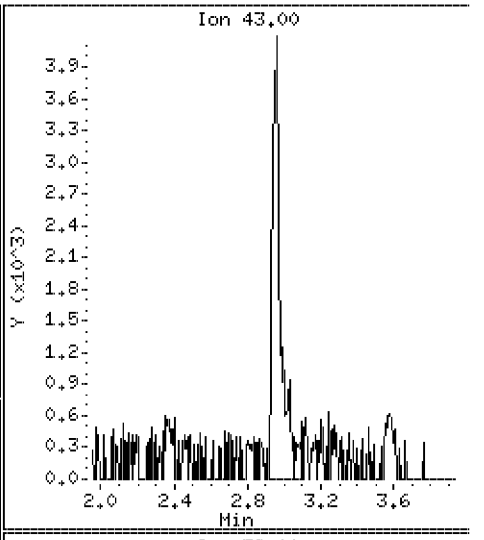
Column phase: DB-624

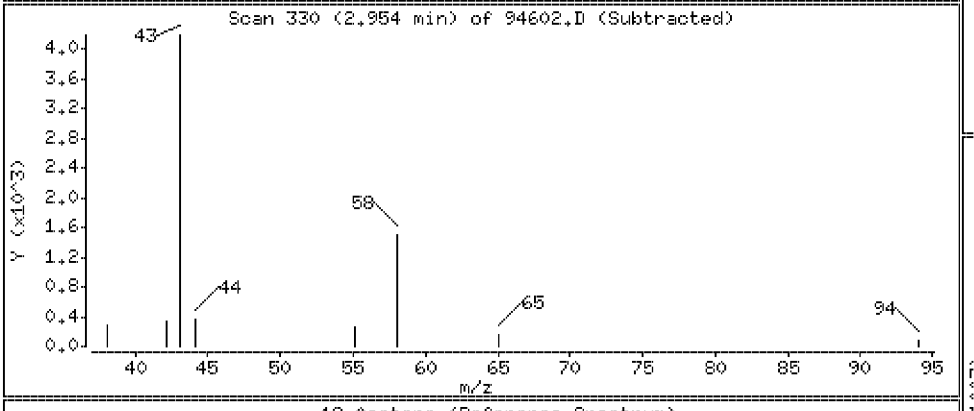
Column diameter: 0.18

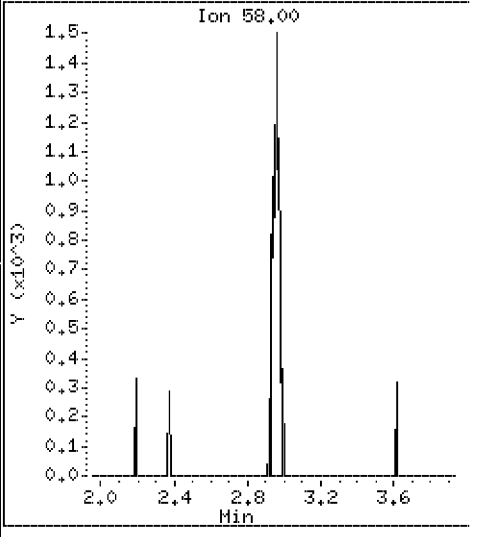
12 Acetone

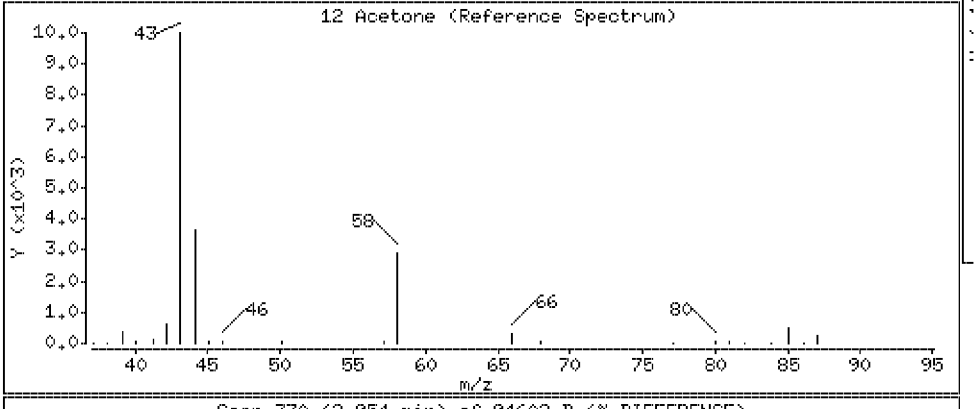
Concentration: 9.2 ug/l

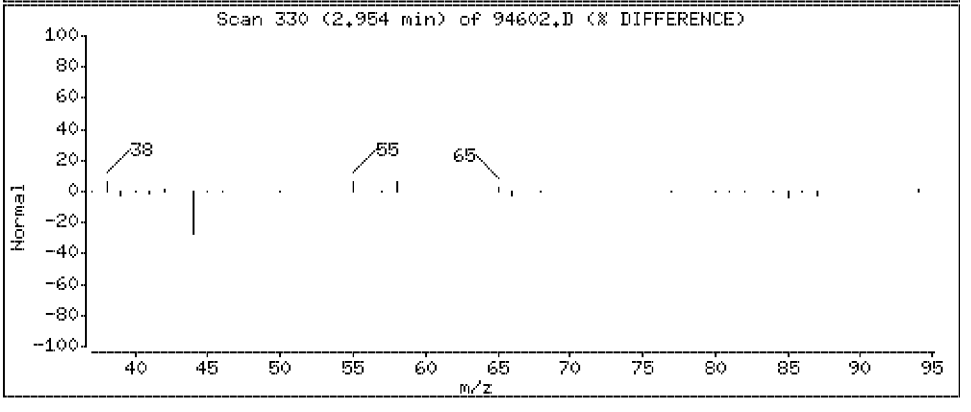












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94603.D
Lab Smp Id: 250894603 Client Smp ID: SLOP-6317-5-25
Inj Date : 04-APR-2008 09:49
Operator : Inst ID: vms03.i
Smp Info : 250894603;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.267	6.264	(0.862)	261239	50.8750	50.9
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.895	6.891	(0.948)	62508	52.1431	52.1(Q)
* 42 FLUOROBENZENE (IS)	96	7.275	7.273	(1.000)	1012089	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	990478	48.7177	48.7
* 63 CHLOROBENZENE d5 (IS)	117	10.582	10.580	(1.000)	748644	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.908)	416201	47.6691	47.7
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	408233	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94603.D
Lab Smp Id: 250894603
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

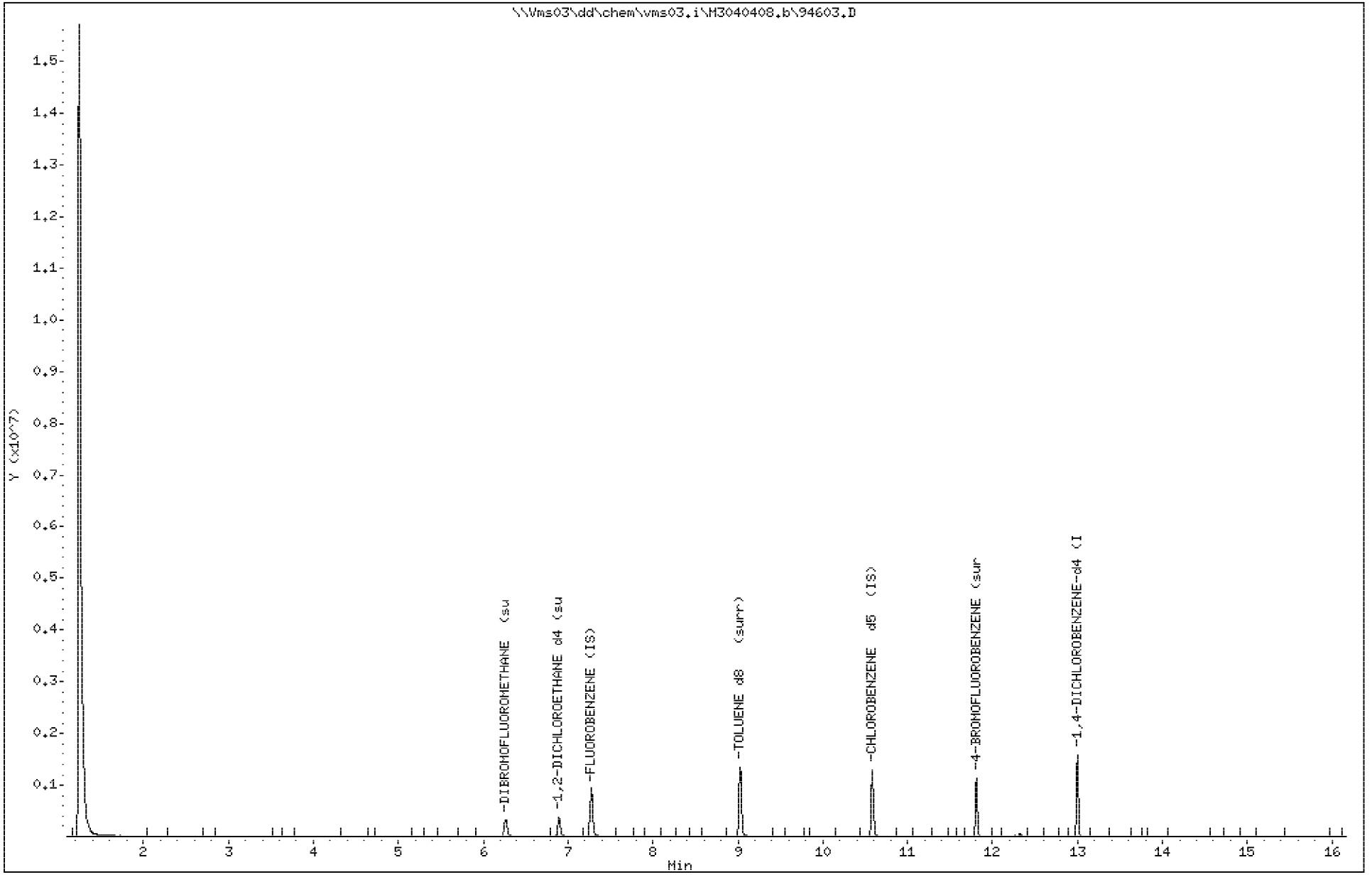
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOP-6317-5-25
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1012089	-13.21
63 CHLOROBENZENE d5	822247	411124	1644494	748644	-8.95
86 1,4-DICHLOROBENZE	457500	228750	915000	408233	-10.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.06
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94603.D
Date : 04-APR-2008 09:49
Client ID: SLOP[redacted]
Instrument: vms03.i
Sample Info: 250894603;2508946;1;
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-178

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94605.D
Lab Smp Id: 250894605 Client Smp ID: TB-033108
Inj Date : 04-APR-2008 11:00
Operator : Inst ID: vms03.i
Smp Info : 250894605;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.267	6.264	(0.861)	267031	51.9637	52.0
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.896	6.891	(0.948)	64476	53.7440	53.7(Q)
* 42 FLUOROBENZENE (IS)	96	7.275	7.273	(1.000)	1012855	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	1029047	50.5765	50.6
* 63 CHLOROBENZENE d5 (IS)	117	10.582	10.580	(1.000)	740269	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.808	11.808	(0.908)	427057	49.2215	49.2
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	405670	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94605.D
Lab Smp Id: 250894605
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

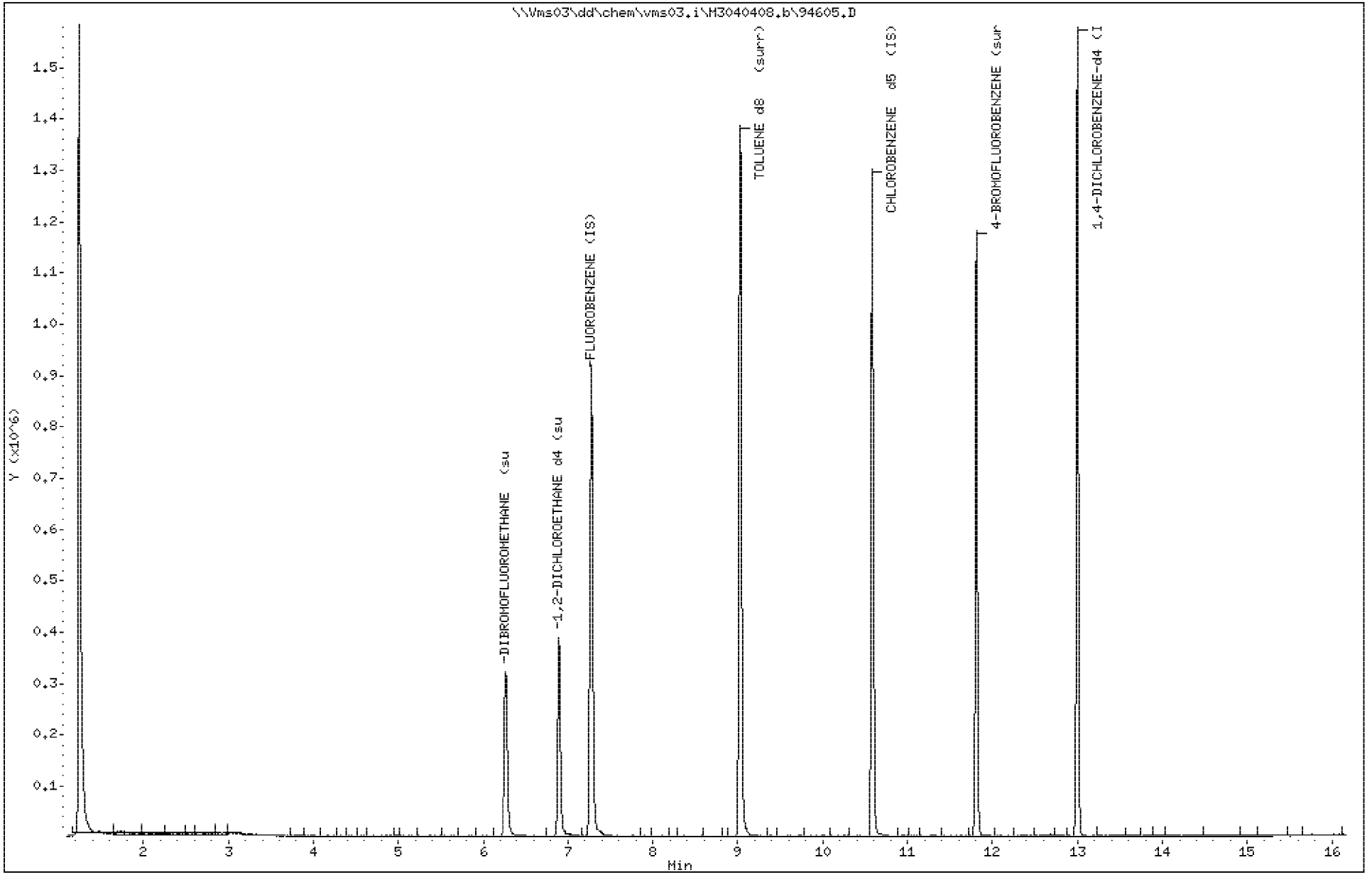
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: TB-033108
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1012855	-13.14
63 CHLOROBENZENE d5	822247	411124	1644494	740269	-9.97
86 1,4-DICHLOROBENZE	457500	228750	915000	405670	-11.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.06
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94605.D
Date : 04-APR-2008 11:00
Client ID: TB-033108
Instrument: vms03.i
Sample Info: 250894605;2508946;1;
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-181

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94606.D
Lab Smp Id: 250894606 Client Smp ID: SLOPVI-033108
Inj Date : 04-APR-2008 11:23
Operator : Inst ID: vms03.i
Smp Info : 250894606;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.272	6.264	(0.862)	224005	50.9105	50.9
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.903	6.891	(0.949)	45028	43.8355	43.8(Q)
* 42 FLUOROBENZENE (IS)	96	7.277	7.273	(1.000)	867233	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.028	9.025	(1.241)	896528	51.4623	51.5
* 63 CHLOROBENZENE d5 (IS)	117	10.583	10.580	(1.000)	669383	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.810	11.808	(0.909)	363625	51.3452	51.3
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	331128	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94606.D
Lab Smp Id: 250894606
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

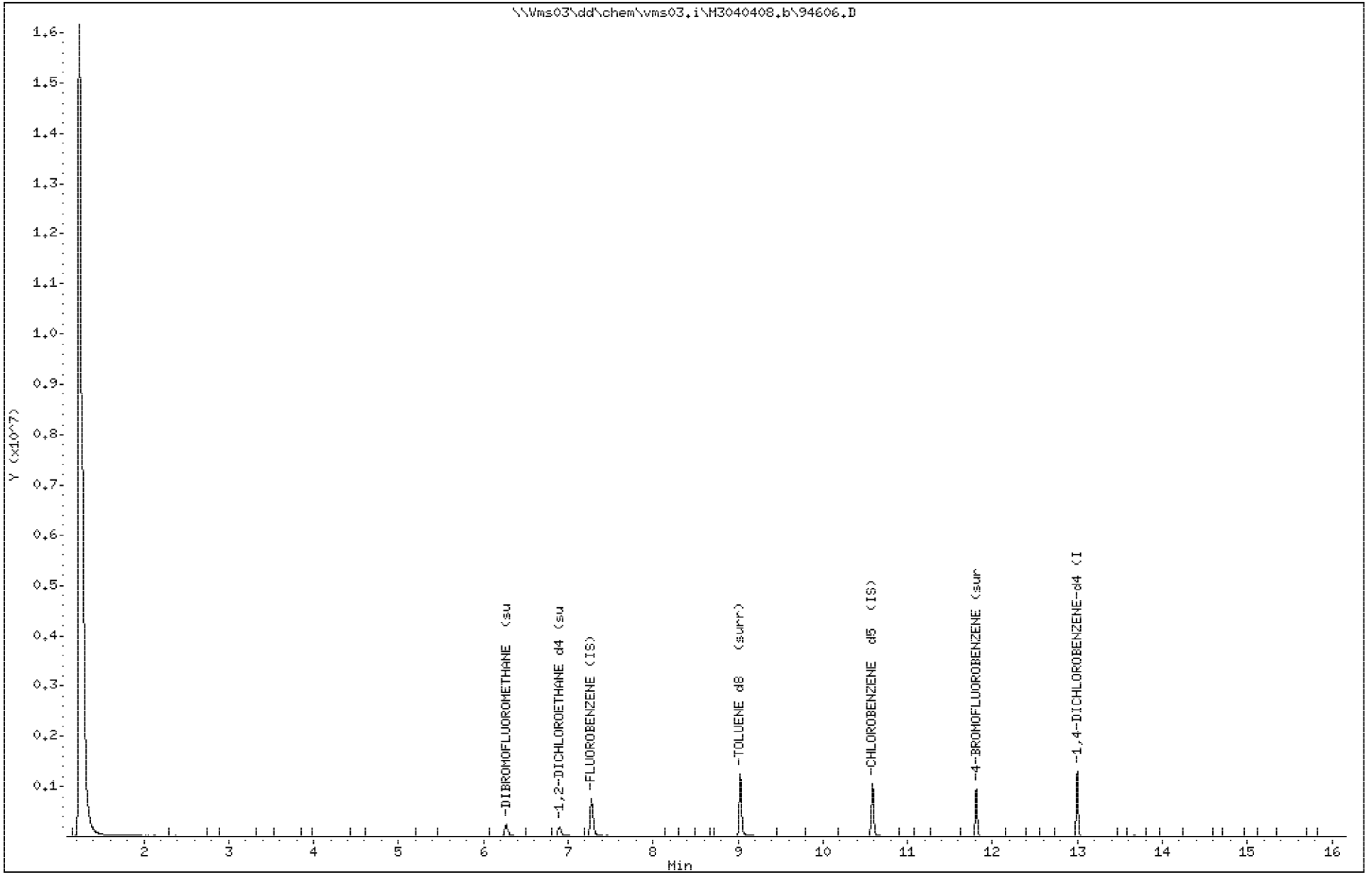
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOPVI-033108
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	867233	-25.63
63 CHLOROBENZENE d5	822247	411124	1644494	669383	-18.59
86 1,4-DICHLOROBENZE	457500	228750	915000	331128	-27.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.08
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.03
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94606.D
Date : 04-APR-2008 11:23
Client ID: SLOPVI-033108
Instrument: vms03.i
Sample Info: 250894606;2508946;1;
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-184

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94607.D
Lab Smp Id: 250894607 Client Smp ID: SLOP-4701-5-22
Inj Date : 04-APR-2008 11:46
Operator : Inst ID: vms03.i
Smp Info : 250894607;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.267	6.264	(0.861)	256942	51.7893	51.8
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.896	6.891	(0.948)	56442	48.7305	48.7(Q)
* 42 FLUOROBENZENE (IS)	96	7.276	7.273	(1.000)	977869	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	998046	50.8079	50.8
* 63 CHLOROBENZENE d5 (IS)	117	10.582	10.580	(1.000)	735862	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.908)	417932	50.3813	50.4
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.000	12.999	(1.000)	387863	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94607.D
Lab Smp Id: 250894607
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

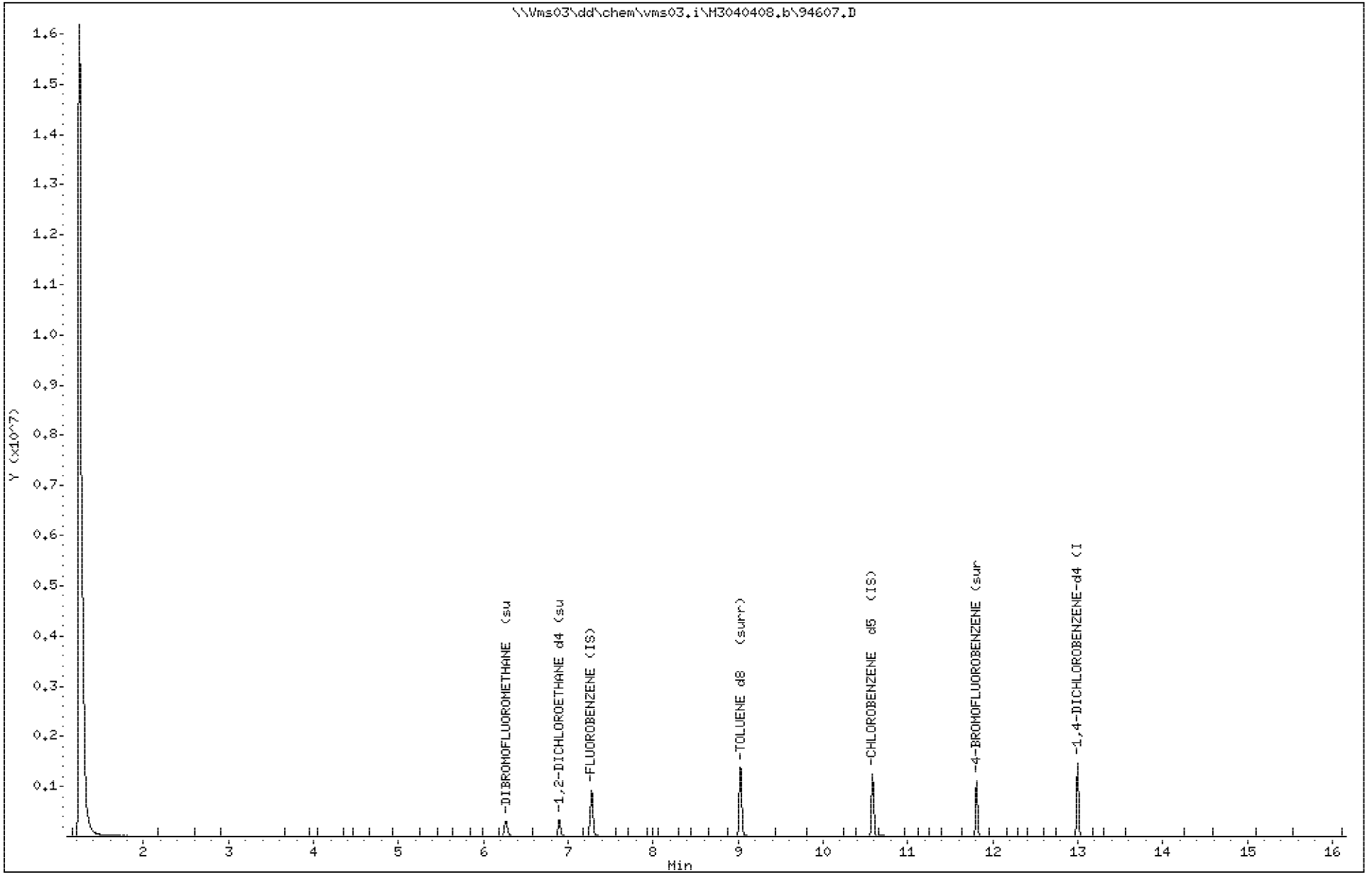
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOP-4701-5-22
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	977869	-16.14
63 CHLOROBENZENE d5	822247	411124	1644494	735862	-10.51
86 1,4-DICHLOROBENZE	457500	228750	915000	387863	-15.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.06
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.03
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94607.D
Date : 04-APR-2008 11:46
Client ID: SLOP-[redacted]
Instrument: vms03.i
Sample Info: 250894607;2508946;1;
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-187

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D
Lab Smp Id: 250894608 Client Smp ID: SLOP-6317-5-25MS
Inj Date : 04-APR-2008 07:29
Operator : Inst ID: vms03.i
Smp Info : 250894608;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 5 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				333191	42.8504	42.8
M 2 Xylenes (Total)	100				990661	65.4878	65.5
M 3 Trihalomethanes (Total)	100				601097	87.2719	87.3
4 Dichlorodifluoromethane	85	1.385	1.389	(0.190)	129252	22.2568	22.2
5 Chloromethane	50	1.590	1.573	(0.219)	148051	21.8333	21.8
6 Vinyl Chloride	62	1.683	1.676	(0.231)	102067	21.9844	22.0
7 Bromomethane	96	2.090	2.075	(0.287)	74646	25.0830	25.1(q)
8 Chloroethane	64	2.181	2.160	(0.300)	86041	22.3160	22.3
9 Trichlorofluoromethane	101	2.404	2.403	(0.330)	184620	22.3246	22.3
113 Bromoethane	108	3.387	3.420	(0.466)	96938	22.5849	22.6
10 Acrolein	56	2.869	2.873	(0.394)	46154	49.2103	49.2
11 1,1,2 Trichlorotrifluoromethan	101	2.900	2.897	(0.399)	108974	22.3931	22.4
12 Acetone	43	2.949	2.945	(0.405)	83732	53.7730	53.8
13 1,1-Dichloroethene	61	3.099	3.097	(0.426)	207878	22.3242	22.3
109 t-Butyl-Alcohol	59	3.226	3.230	(0.443)	102766	229.195	229(Q)
14 Acetonitrile	41	3.288	3.291	(0.452)	128758	172.795	173
15 Iodomethane	142	3.511	3.496	(0.483)	153810	18.2111	18.2
16 Methyl Acetate	43	3.567	3.571	(0.490)	102022	17.8537	17.8
17 Allyl Chloride	41	3.585	3.582	(0.493)	181529	19.5109	19.5
18 Carbon Disulfide	76	3.729	3.724	(0.513)	319687	20.4937	20.5
19 Methylene Chloride	49	3.753	3.778	(0.516)	180813	18.3281	18.3
20 Acrylonitrile	53	3.974	3.981	(0.546)	126935	53.0867	53.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	21 Methyl-tert-butyl ether	73	4.023	4.020	(0.553)	286197	18.3089	18.3
	22 trans 1,2-Dichloroethene	61	4.210	4.208	(0.579)	194100	21.0695	21.1
	23 1,1-Dichloroethane	63	4.882	4.880	(0.671)	235554	21.2389	21.2
	24 Vinyl Acetate	43	4.941	4.944	(0.679)	156673	17.5561	17.6
	25 Chloroprene	53	5.014	5.012	(0.689)	195722	21.5303	21.5
	26 2-Butanone	43	5.556	5.564	(0.764)	127394	51.4795	51.5
	27 Propionitrile	54	5.655	5.662	(0.777)	154513	178.627	179
	114 tert-Butyl ethyl ether	59	5.388	5.389	(0.741)	302650	15.2474	15.2
	28 2,2-Dichloropropane	77	5.701	5.699	(0.784)	104744	24.8957	24.9
	29 cis-1,2-Dichloroethene	96	5.766	5.765	(0.793)	139091	21.7809	21.8
	30 Methyacrylonitrile	67	5.917	5.922	(0.813)	446623	198.320	198
	31 Isobutyl Alcohol	43	5.990	5.995	(0.823)	58633	262.835	263(Q)
	32 Chloroform	83	5.981	5.979	(0.822)	240367	21.9786	22.0
	33 Bromochloromethane	49	6.185	6.184	(0.850)	113222	19.0801	19.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.267	6.264	(0.862)	265329	49.4001	49.4
	35 1,1,1-Trichloroethane	97	6.490	6.487	(0.892)	166456	23.2816	23.3
	36 Cyclohexane	56	6.488	6.489	(0.892)	212224	20.0495	20.0
	37 1,1-Dichloropropene	75	6.689	6.685	(0.919)	178356	22.3069	22.3
	38 Carbon tetrachloride	117	6.794	6.789	(0.934)	155638	23.6160	23.6
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.893	6.891	(0.948)	62016	49.4585	49.4(Q)
	40 1,2-Dichloroethane	62	7.006	7.006	(0.963)	179418	21.8503	21.8
	41 Benzene	78	7.005	7.001	(0.963)	510121	20.6643	20.7
	115 tert-Amyl-methyl ether	73	6.868	6.869	(0.944)	255702	16.7003	16.7
*	42 FLUOROBENZENE (IS)	96	7.274	7.273	(1.000)	1058625	50.0000	
	43 Trichloroethylene	130	7.726	7.722	(1.062)	124932	22.4341	22.4
	44 Methyl Cyclohexane	55	7.782	7.781	(1.070)	168925	21.2986	21.3
	45 1,2-Dichloropropane	63	7.929	7.927	(1.090)	134645	19.5136	19.5
	46 Methyl Methacrylate	69	8.034	8.036	(1.104)	75725	20.3470	20.3
	47 Bromodichloromethane	83	8.183	8.180	(1.125)	175535	22.0727	22.1
	48 1,4 Dioxane	88	8.233	8.238	(1.132)	17550	334.864	335(Q)
	49 Dibromomethane	93	8.234	8.232	(1.132)	73014	20.8052	20.8
	50 4-Methyl-2-Pentanone	43	8.582	8.583	(0.660)	298727	52.8964	52.9
	51 2-Hexanone	43	9.494	9.499	(0.897)	215490	54.2063	54.2
	52 cis 1,3-Dichloropropene	75	8.782	8.781	(1.207)	174058	21.5940	21.6
$	53 TOLUENE d8 (surr)	98	9.026	9.025	(1.241)	1055890	49.6521	49.6
	54 Toluene	92	9.108	9.107	(1.252)	327282	21.5843	21.6
	55 trans 1,3-Dichloropropene	75	9.314	9.313	(1.280)	154970	22.8279	22.8
	56 Ethyl Methacrylate	69	9.320	9.321	(1.281)	151515	21.5588	21.6
	57 1,1,2-Trichloroethane	97	9.469	9.467	(1.302)	108006	21.0381	21.0
	58 1,3-Dichloropropane	76	9.730	9.729	(0.920)	195152	20.8742	20.9
	59 Tetrachloroethylene	164	9.782	9.780	(0.924)	96534	23.0326	23.0
	60 Dibromochloromethane	129	9.988	9.987	(0.944)	119871	22.1153	22.1
	61 1,2-Dibromoethane	107	10.192	10.192	(0.963)	110049	21.1285	21.1
	62 1-Chlorohexane	91	10.372	10.373	(0.980)	171886	22.6372	22.6
*	63 CHLOROBENZENE d5 (IS)	117	10.581	10.580	(1.000)	766701	50.0000	
	64 Chlorobenzene	112	10.619	10.620	(1.004)	349016	21.3464	21.3
	65 1,1,1,2-Tetrachloroethane	131	10.666	10.667	(1.008)	115439	22.7423	22.7(q)
	66 Ethylbenzene	106	10.677	10.672	(1.009)	194094	21.6927	21.7
	67 p,m-Xylene	106	10.754	10.753	(1.016)	486714	43.6567	43.6
	68 o-Xylene	91	11.195	11.190	(1.058)	503947	21.8311	21.8
	69 Styrene	104	11.230	11.230	(1.061)	427286	21.9411	21.9
	70 Bromoform	173	11.567	11.569	(1.093)	65324	21.1054	21.1
	71 1-Methylethylbenzene	105	11.557	11.555	(0.889)	610981	21.5948	21.6
	72 1,4-Dichloro-2-Butene	53	11.608	11.609	(0.893)	27419	22.1694	22.2(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
73	1,1,2,2-Tetrachloroethane	83	11.733	11.732	(0.903)	136119	18.6098	18.6
$ 74	4-BROMOFLUOROBENZENE (surr)	95	11.808	11.808	(0.908)	439825	47.4121	47.4
75	1,2,3- trichloropropane	110	11.880	11.879	(0.914)	44481	20.4083	20.4
76	n-Propylbenzene	91	11.959	11.959	(0.920)	744543	21.2896	21.3
77	Bromobenzene	77	11.999	11.998	(0.923)	254737	18.9710	19.0
78	1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	545543	21.7099	21.7
79	2-Chlorotoluene	91	12.135	12.136	(0.934)	536219	21.0608	21.1
80	4-Chlorotoluene	91	12.183	12.183	(0.937)	518226	21.3126	21.3
81	tert-Butylbenzene	119	12.479	12.479	(0.960)	484979	22.0077	22.0
82	1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	572897	21.5568	21.6
83	sec-Butylbenzene	105	12.691	12.692	(0.976)	626800	21.4109	21.4
84	p-Isopropyltoluene	119	12.829	12.830	(0.987)	538351	21.7616	21.8
85	1,3-Dichlorobenzene	146	12.923	12.923	(0.994)	297543	21.1957	21.2
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	433743	50.0000	
87	1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	302689	21.0197	21.0
88	Benzyl Chloride	91	13.149	13.150	(1.012)	200176	24.0124	24.0
89	n-Butylbenzene	91	13.242	13.242	(1.019)	488178	21.5792	21.6
90	1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	280536	20.7473	20.7
91	1,2-dibromo-3-chloropropane	75	14.174	14.173	(1.090)	23899	20.5955	20.6
92	1,2,4-Trichlorobenzene	180	14.861	14.853	(1.143)	170628	21.4185	21.4
93	Hexachlorobutadiene	223	14.960	14.950	(1.151)	44195	23.6887	23.7
94	Naphthalene	128	15.042	15.032	(1.157)	388829	20.5444	20.5
95	1,2,3-trichlorobenzene	180	15.209	15.196	(1.170)	151123	20.9714	21.0
103	Isopropyl Ether	45	4.773	4.771	(0.656)	427234	19.3141	19.3
104	Ethyl acetate	43	5.818	5.824	(0.800)	169550	34.8418	34.8(Q)
105	Cyclohexanone	55	11.618	11.616	(1.098)	34535	73.1964	73.2
106	Ethyl ether	59	2.717	2.719	(0.374)	101282	20.6642	20.7(Q)
107	2-Nitropropane	43	8.283	8.279	(1.139)	56561	44.5661	44.6
108	Tetrahydrofuran	42	6.255	6.264	(0.860)	55254	32.2478	32.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

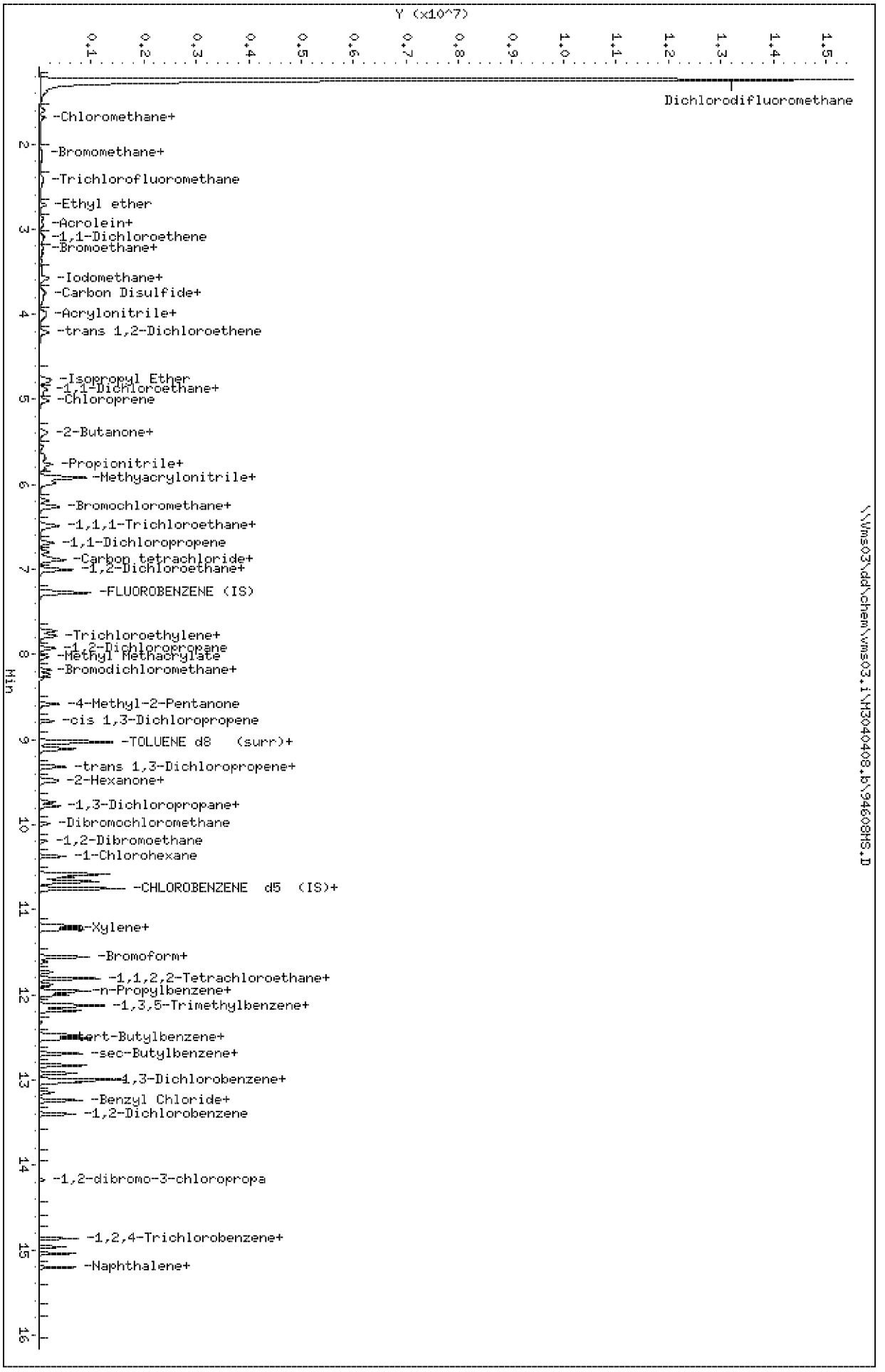
Instrument ID: vms03.i
Lab File ID: 94608MS.D
Lab Smp Id: 250894608
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOP-6317-5-25M
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1058625	-9.22
63 CHLOROBENZENE d5	822247	411124	1644494	766701	-6.76
86 1,4-DICHLOROBENZE	457500	228750	915000	433743	-5.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.05
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



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Date : 04-APR-2008 07:29
Client ID: SLOP [redacted]
Sample Info: 2508946;2508946;1;
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

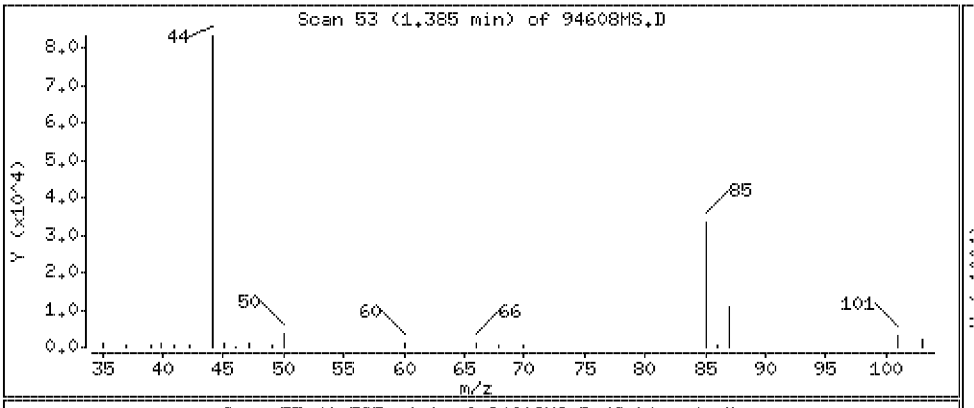
Operator:

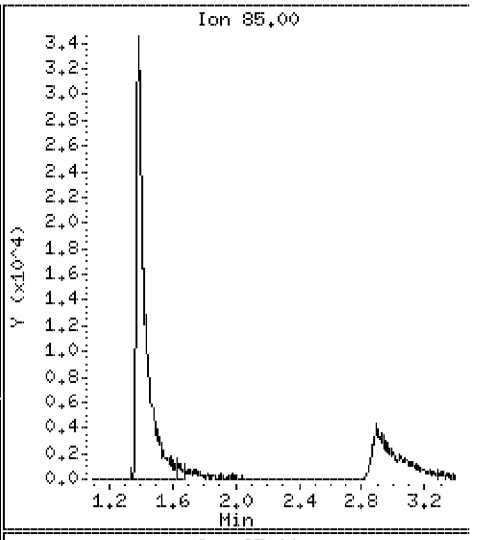
Column phase: DB-624

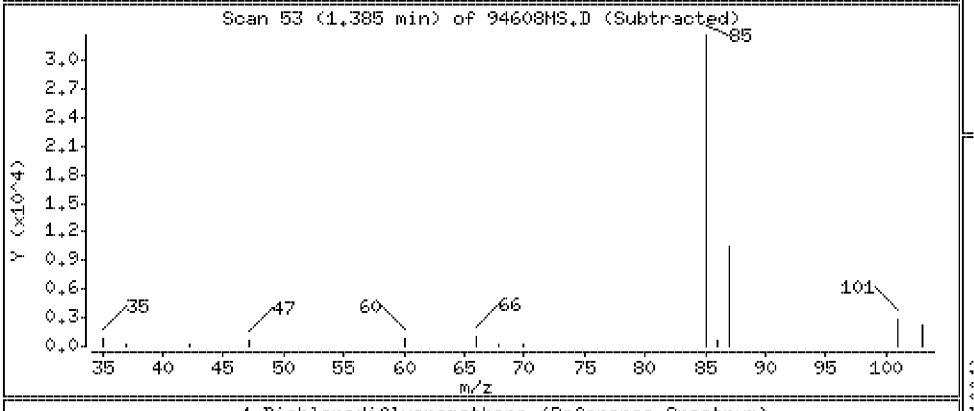
Column diameter: 0.18

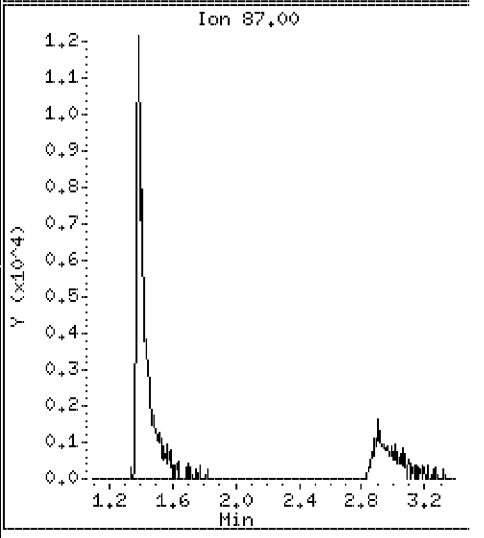
4 Dichlorodifluoromethane

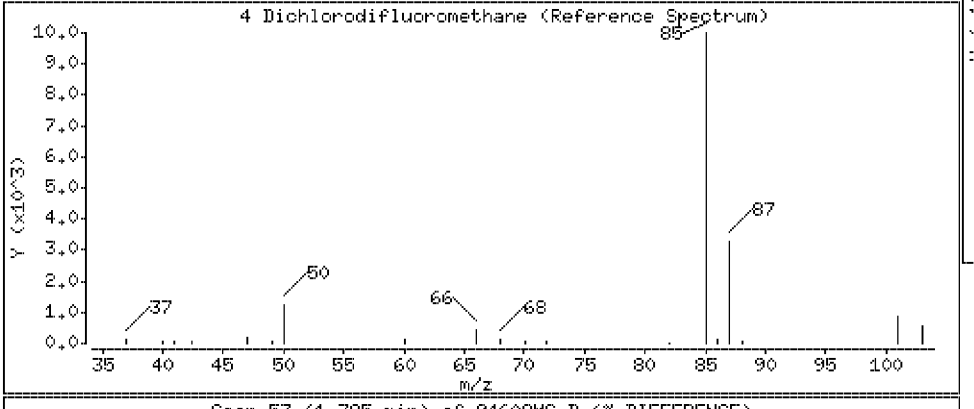
Concentration: 22.2 ug/l

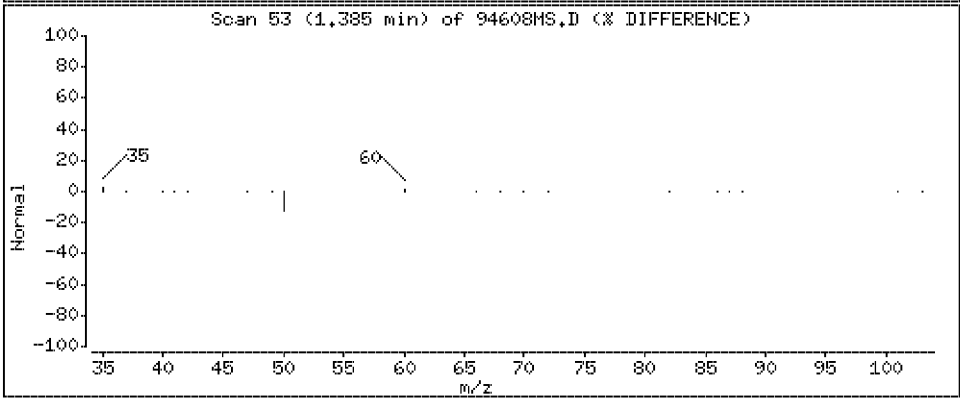












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

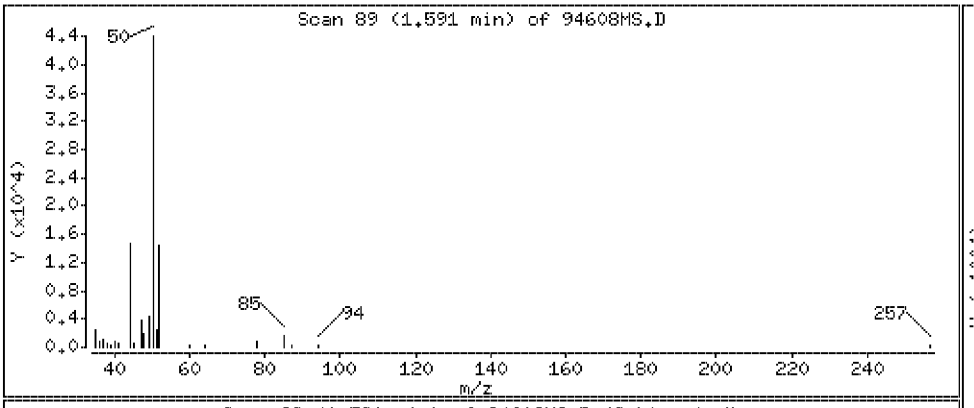
Operator:

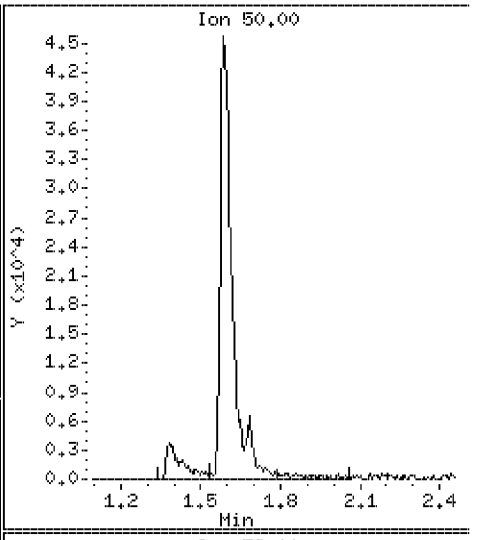
Column phase: DB-624

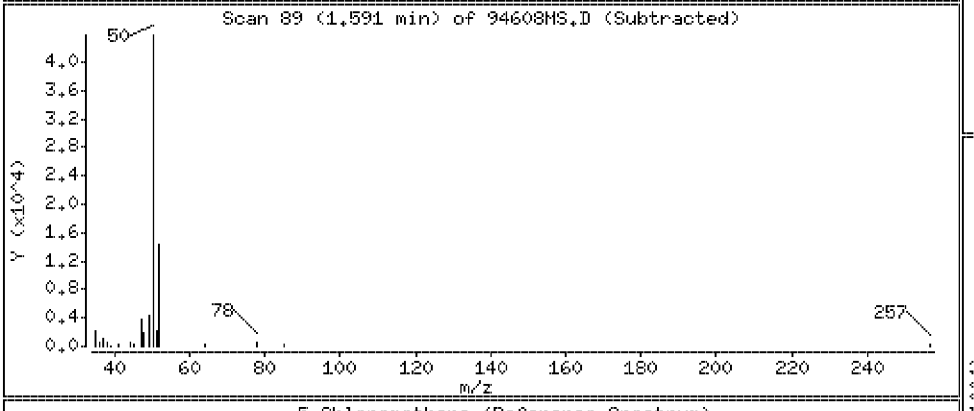
Column diameter: 0.18

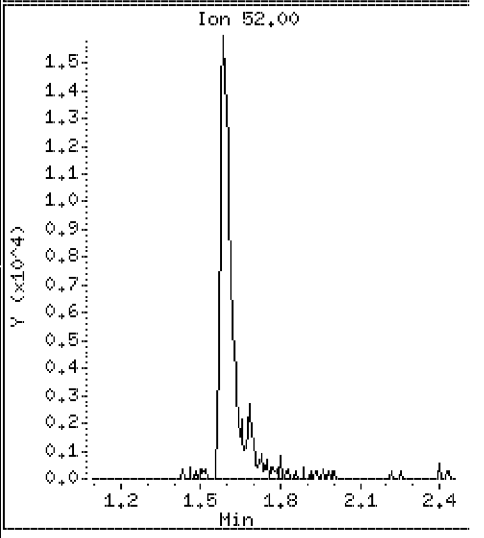
5 Chloromethane

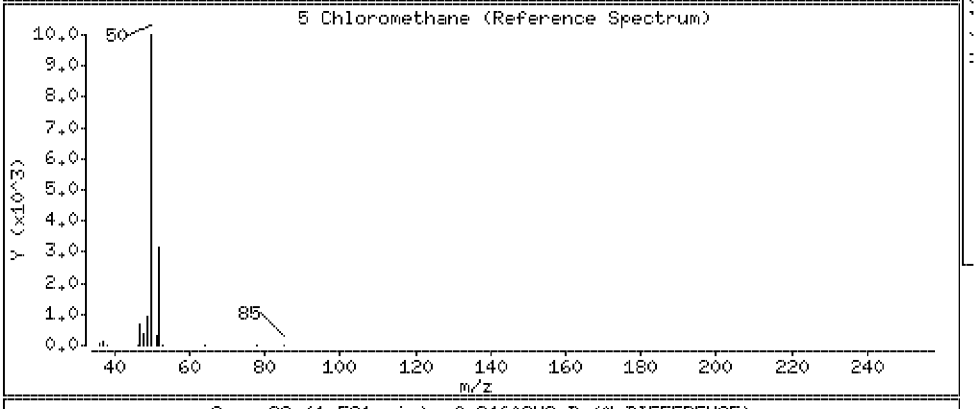
Concentration: 21.8 ug/l

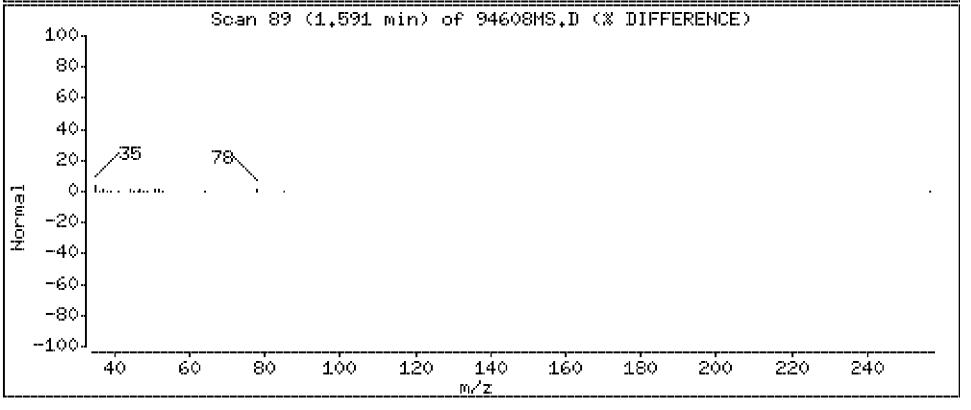












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

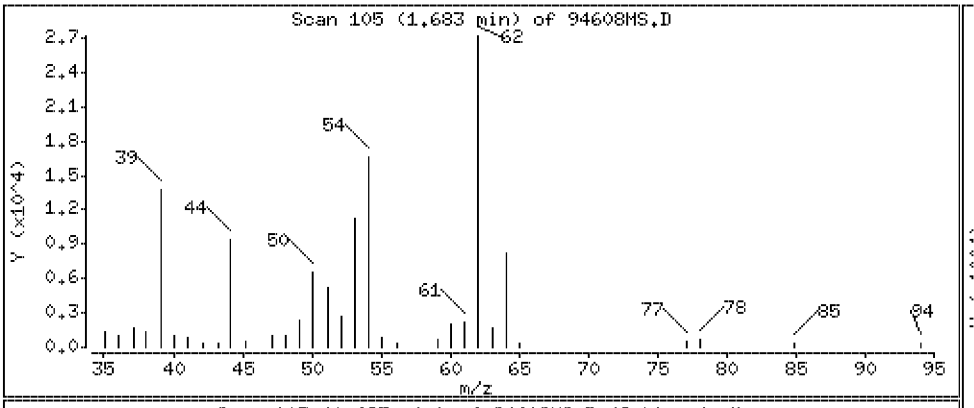
Operator:

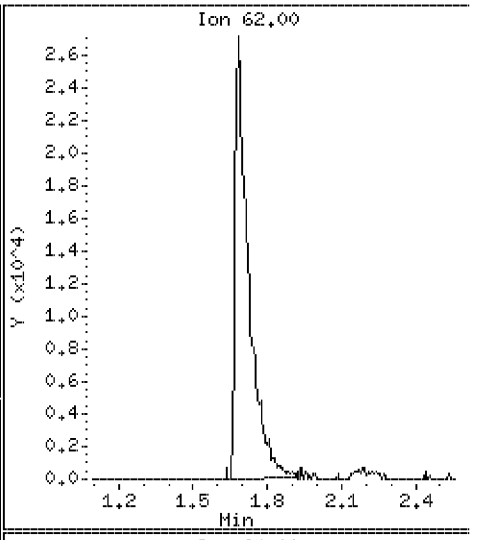
Column phase: DB-624

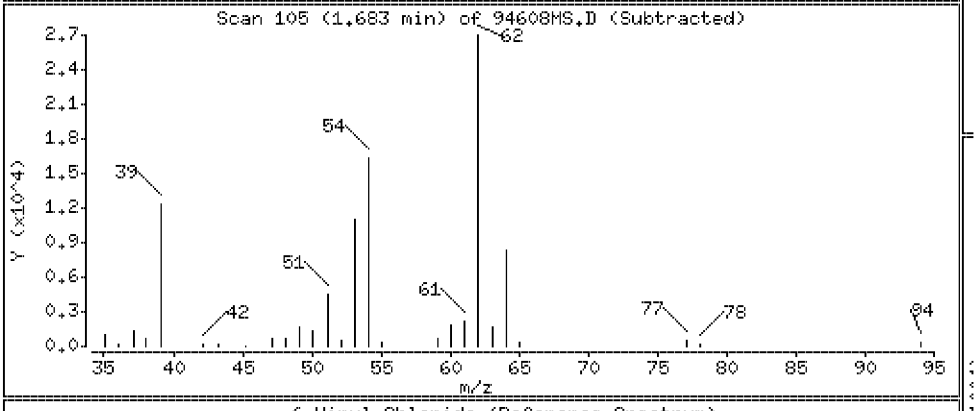
Column diameter: 0.18

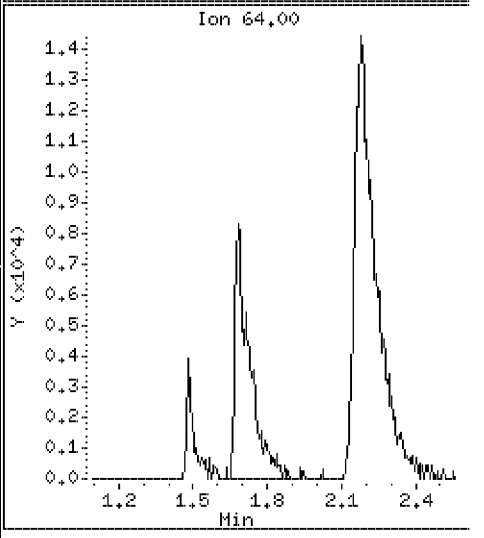
6 Vinyl Chloride

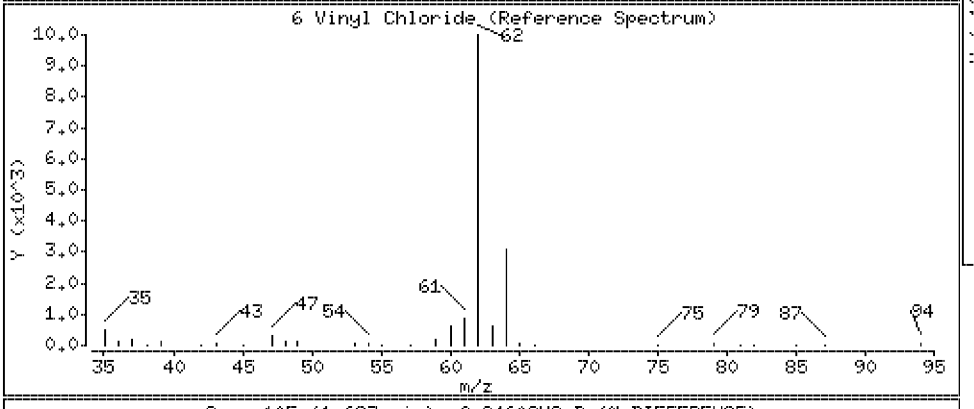
Concentration: 22.0 ug/l

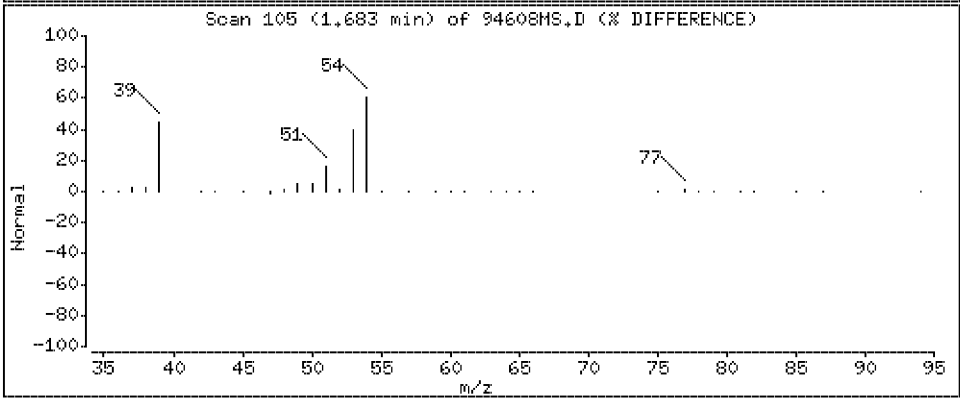












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

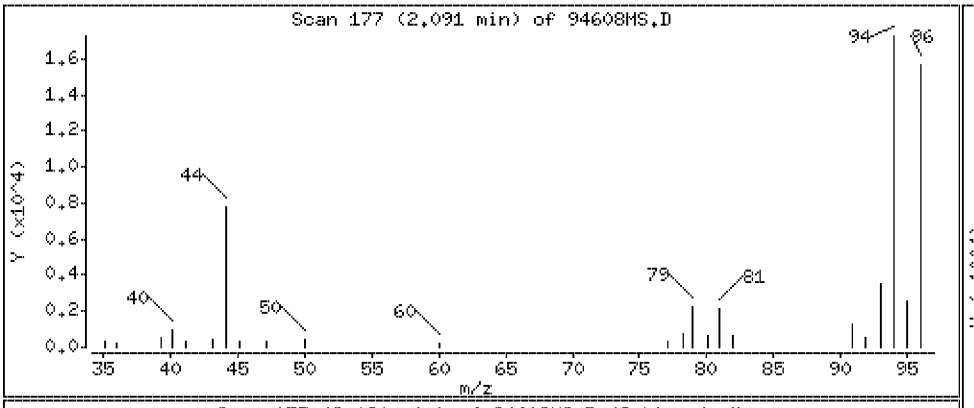
Operator:

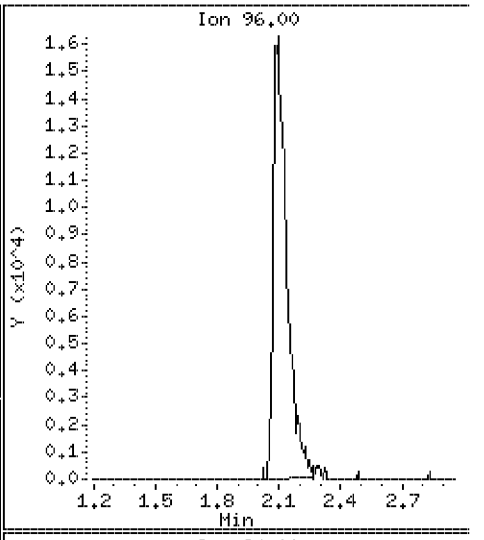
Column phase: DB-624

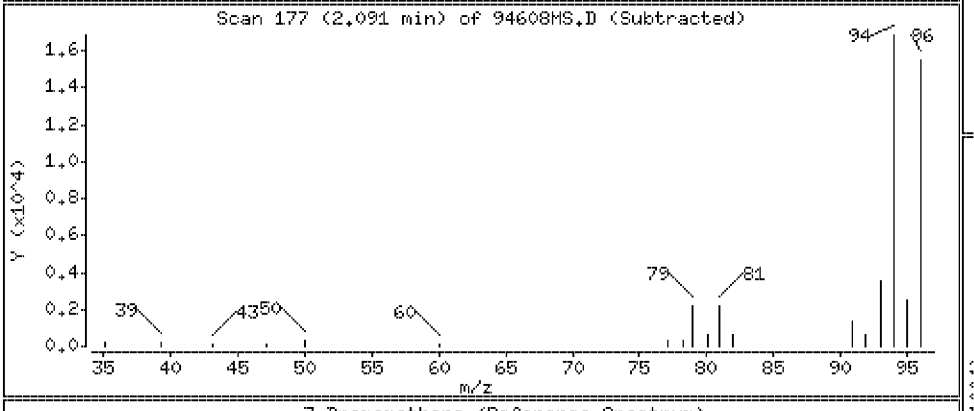
Column diameter: 0.18

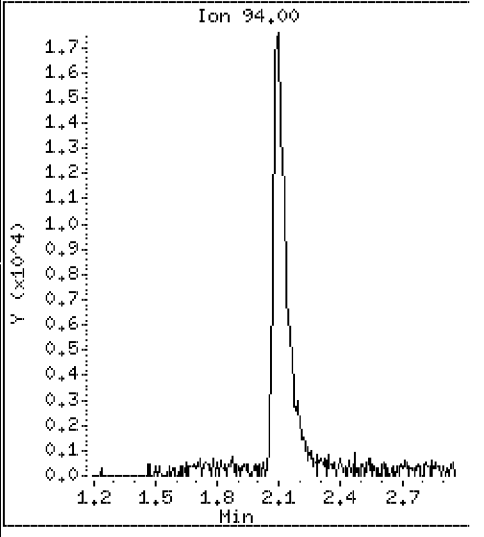
7 Bromomethane

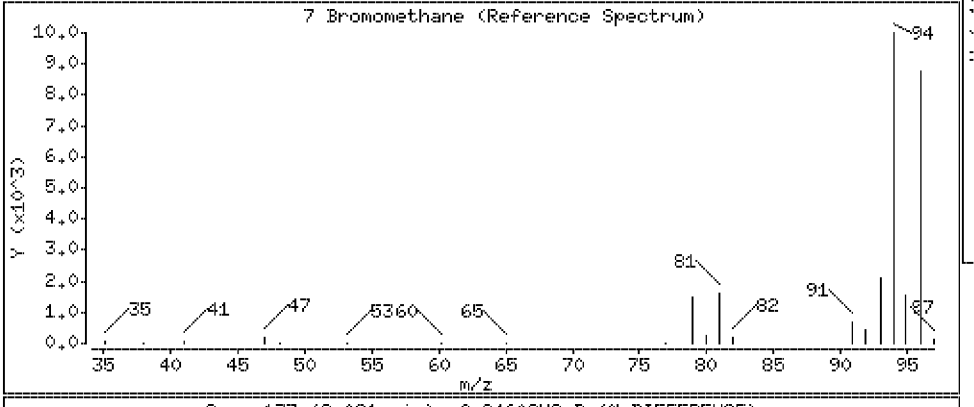
Concentration: 25.1 ug/l

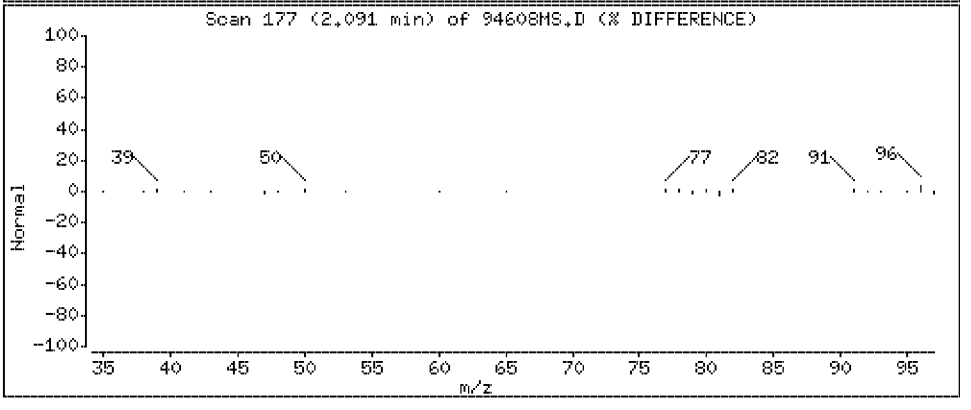












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

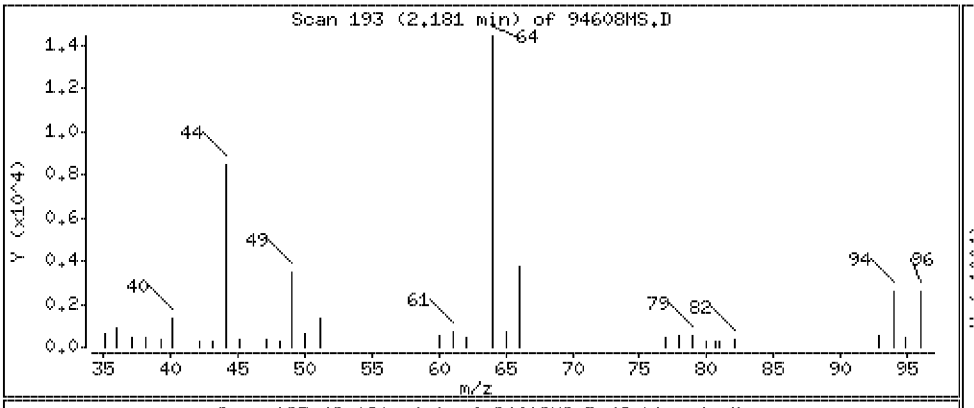
Operator:

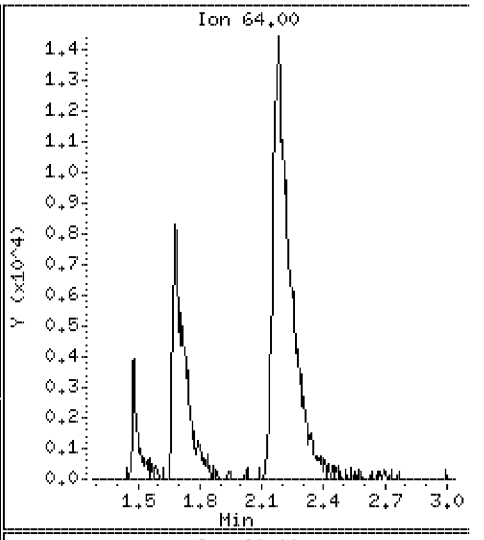
Column phase: DB-624

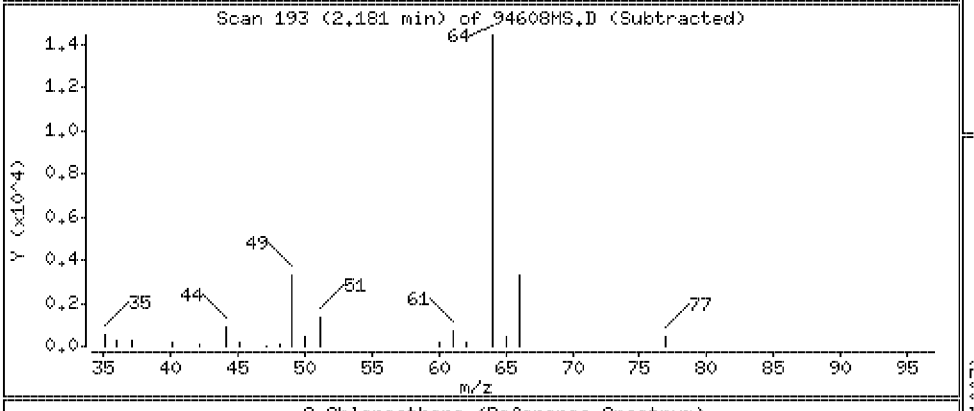
Column diameter: 0.18

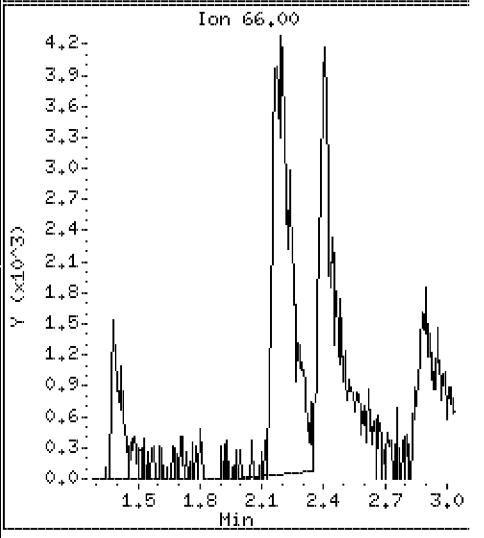
8 Chloroethane

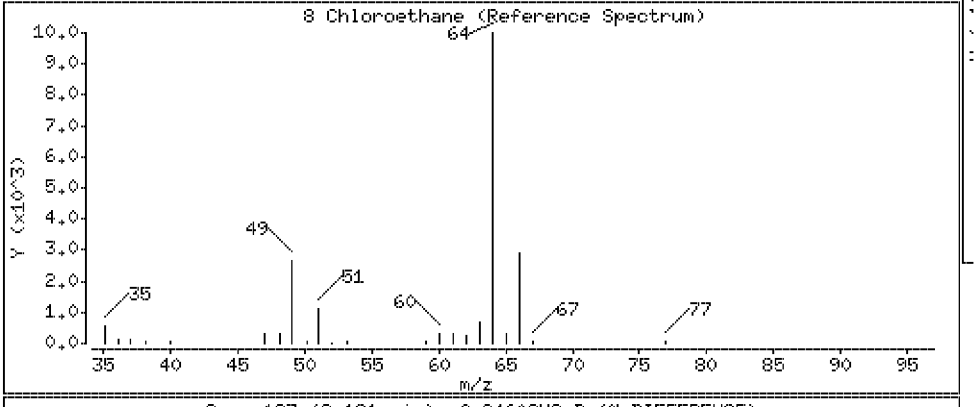
Concentration: 22.3 ug/l

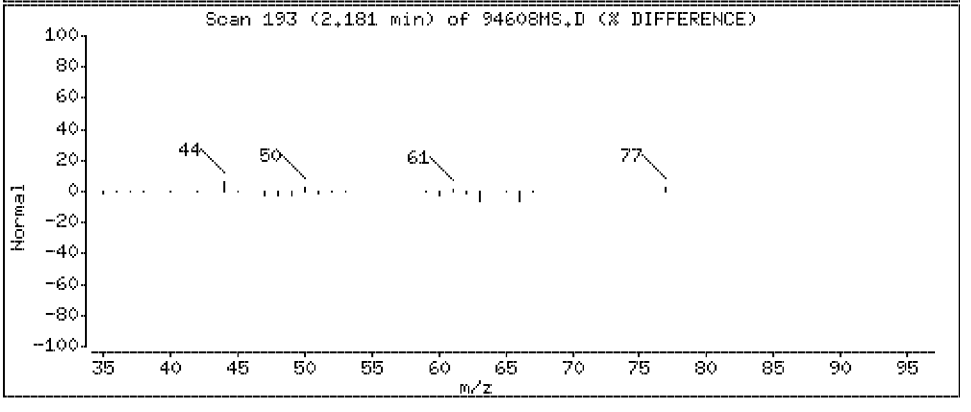












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

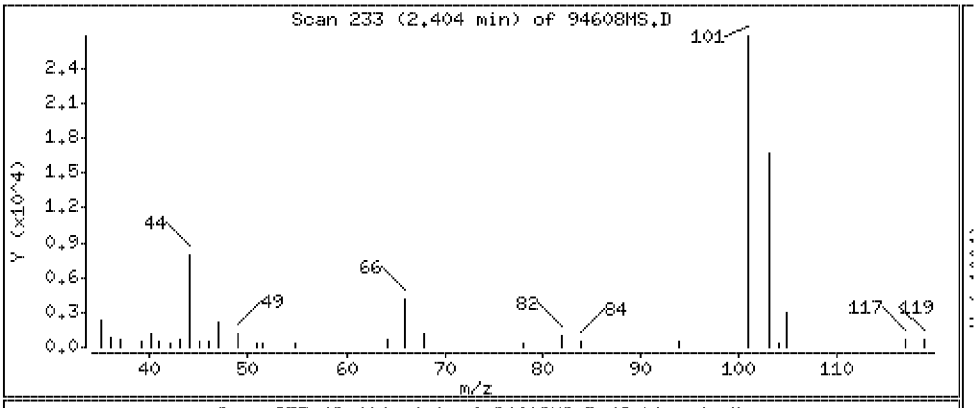
Operator:

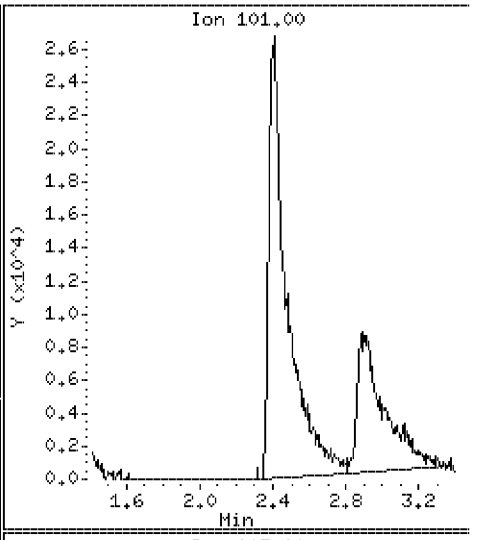
Column phase: DB-624

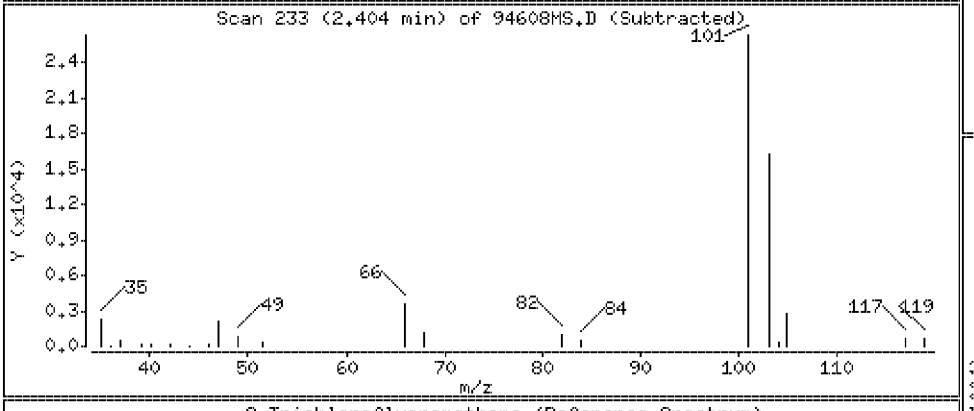
Column diameter: 0.18

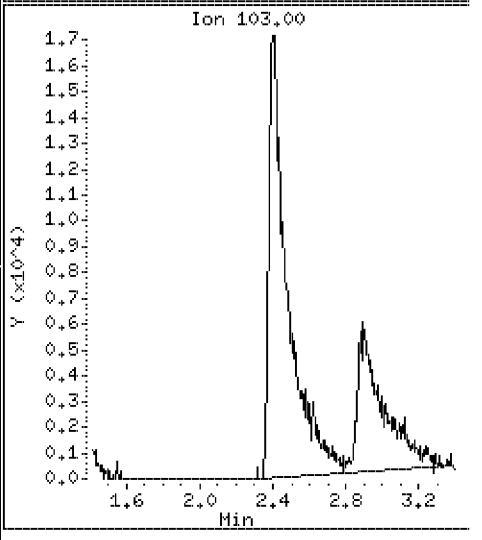
9 Trichlorofluoromethane

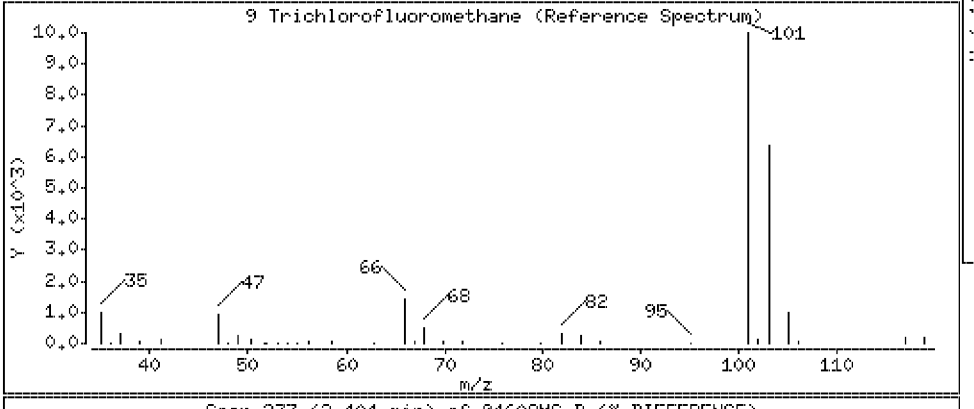
Concentration: 22.3 ug/l

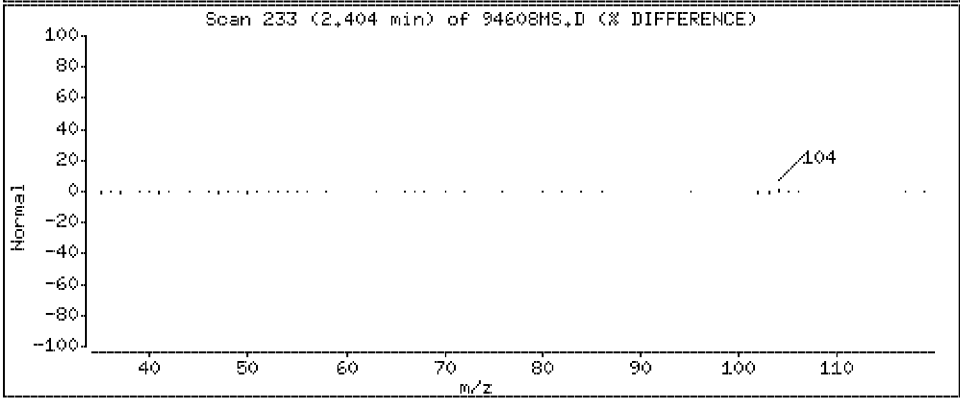












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Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

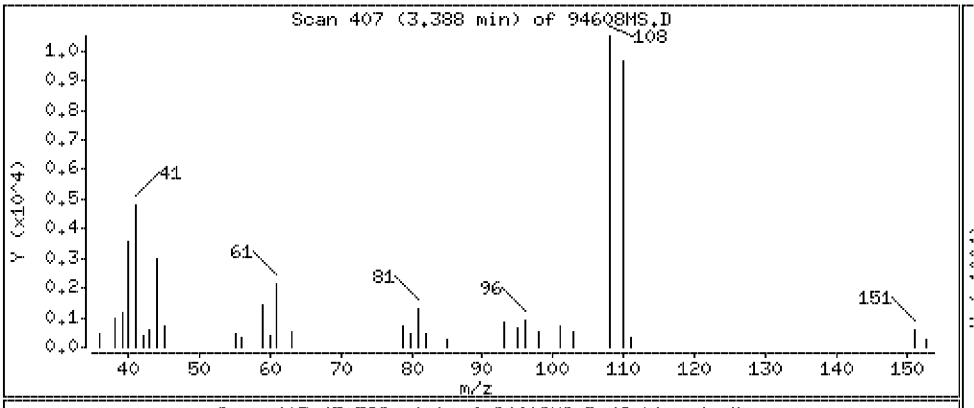
Operator:

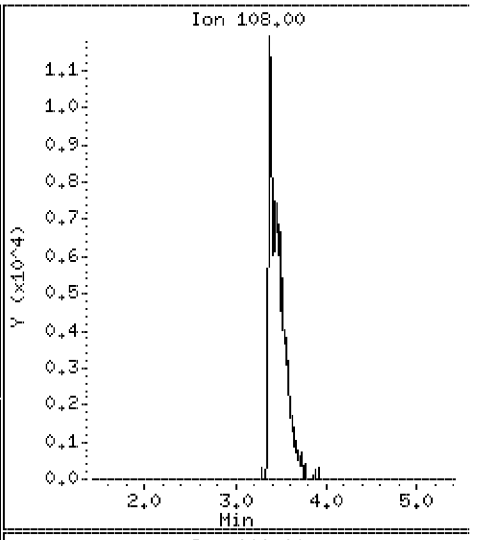
Column phase: DB-624

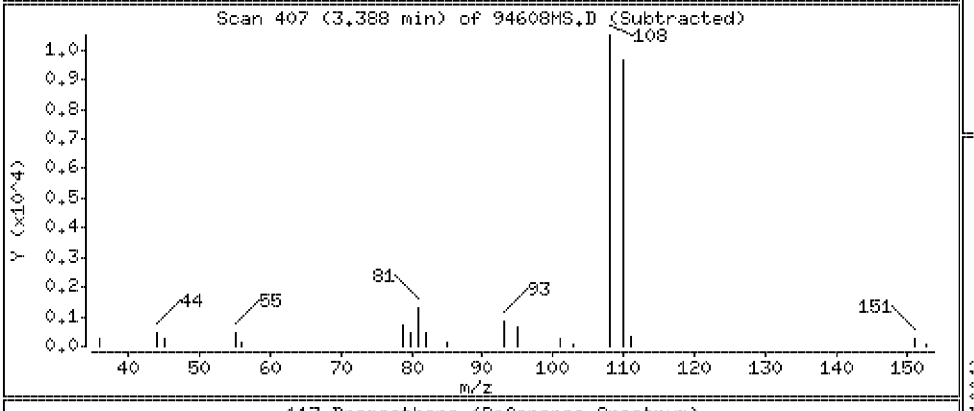
Column diameter: 0.18

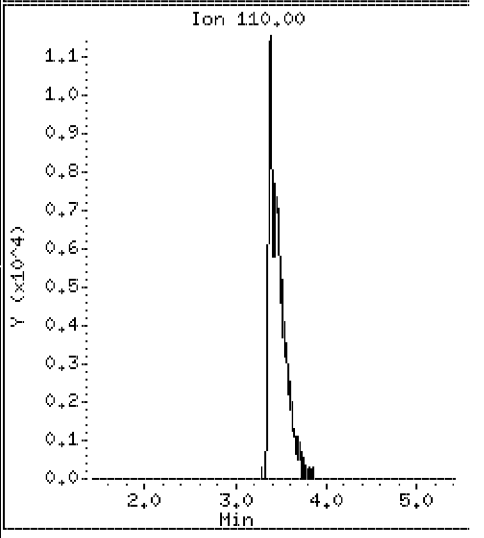
113 Bromoethane

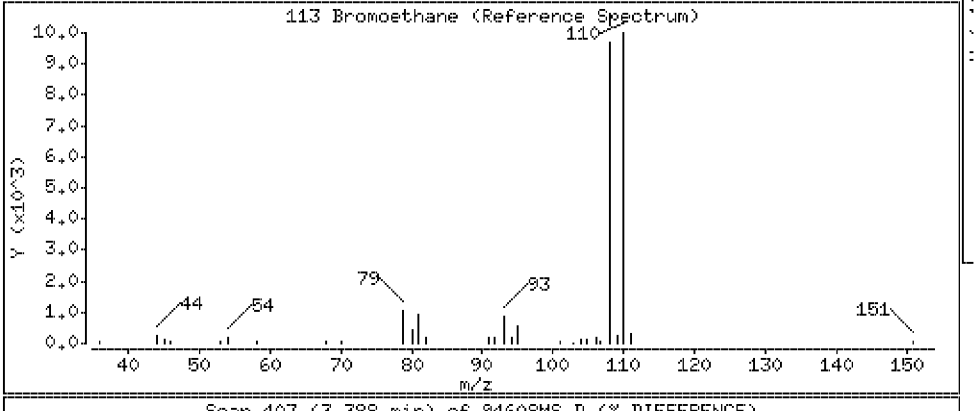
Concentration: 22.6 ug/l

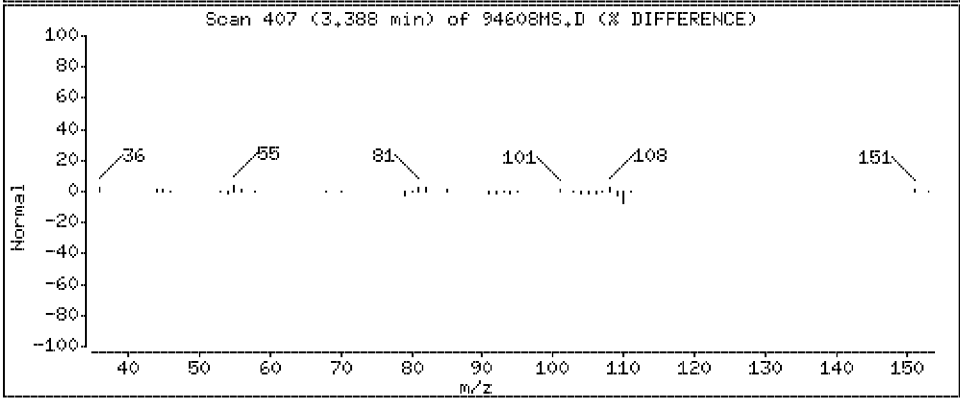












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

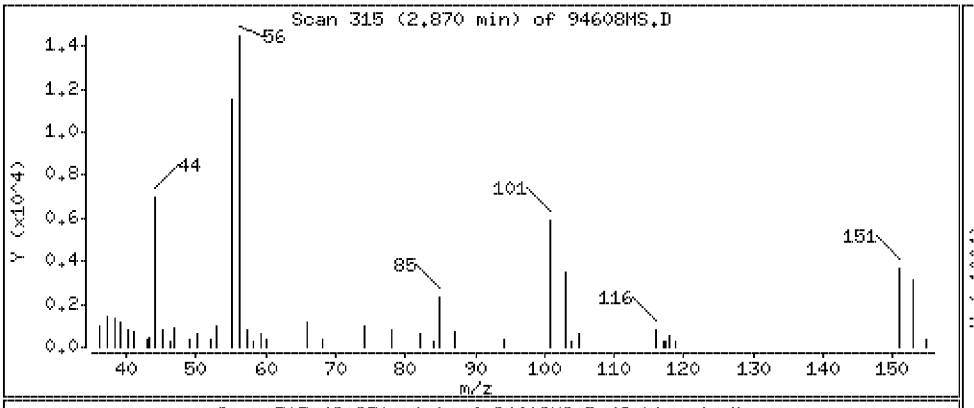
Operator:

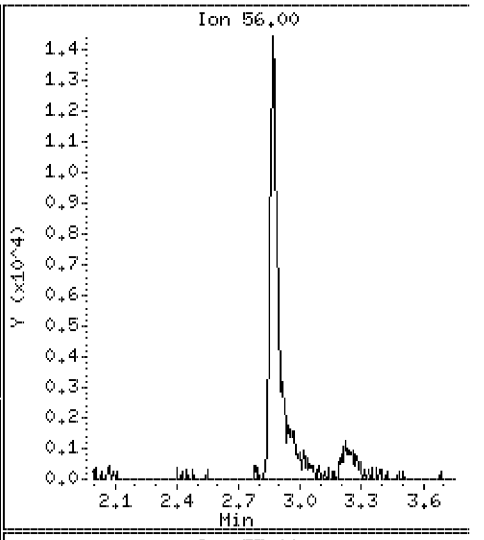
Column phase: DB-624

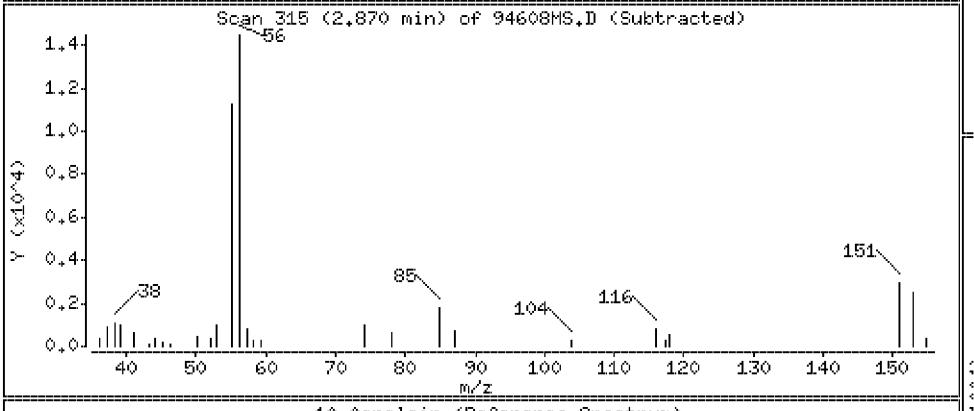
Column diameter: 0.18

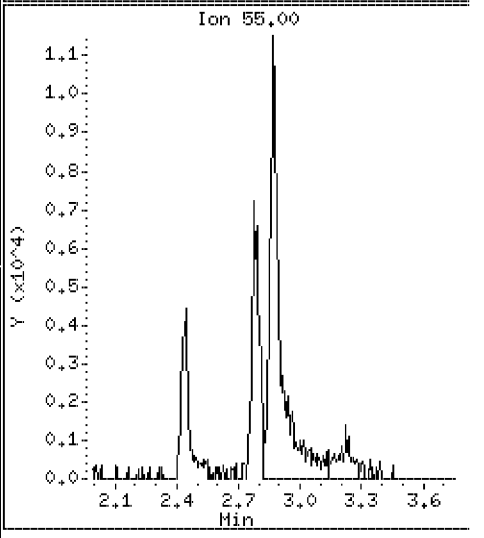
10 Acrolein

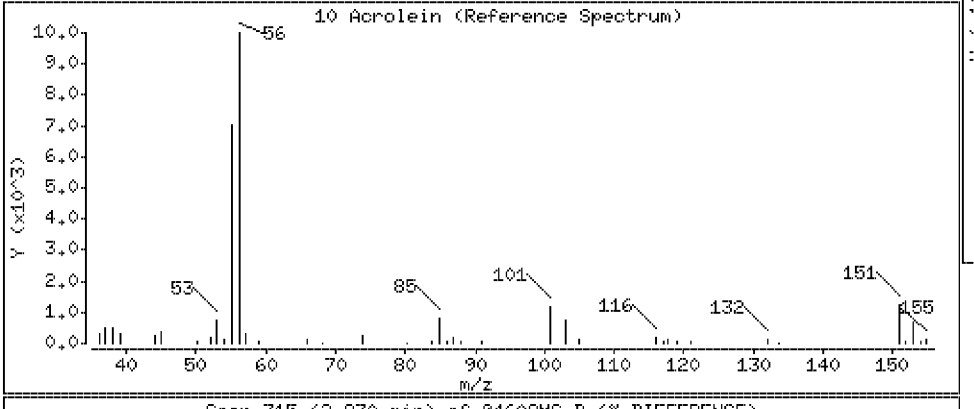
Concentration: 49.2 ug/l

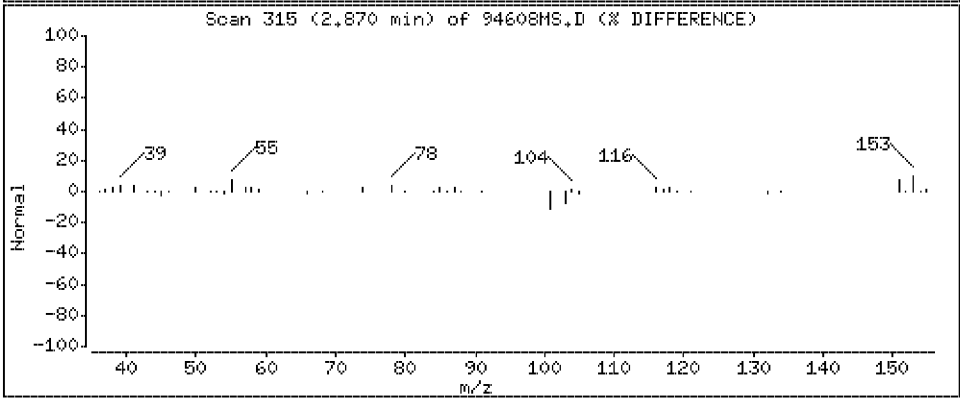












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

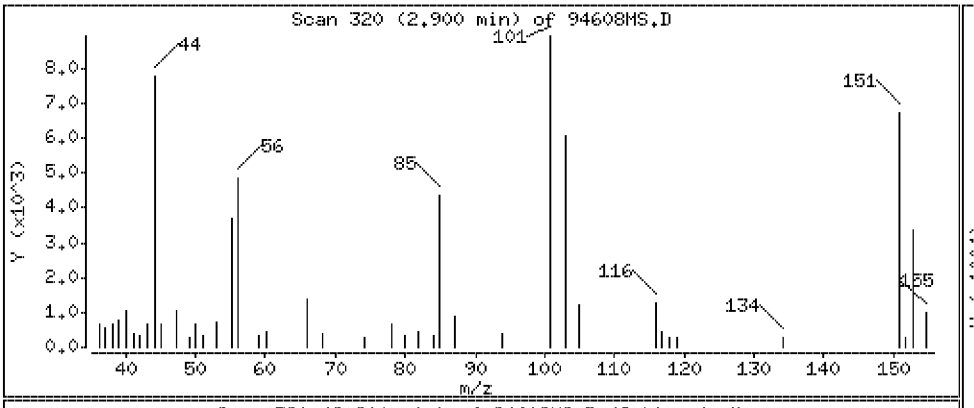
Operator:

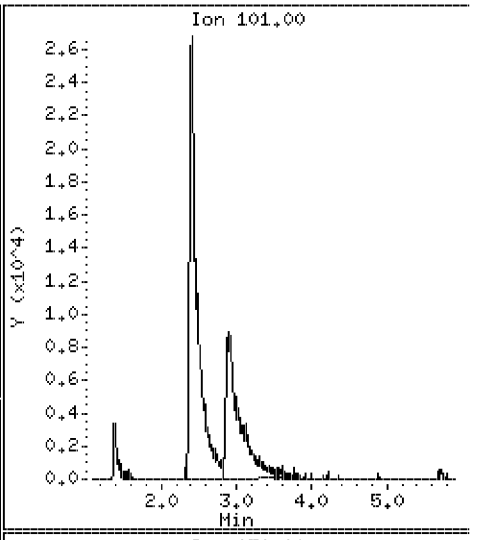
Column phase: DB-624

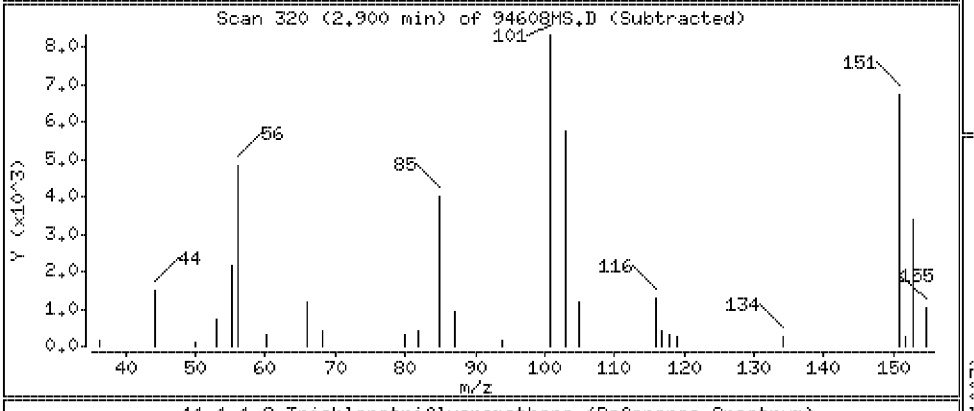
Column diameter: 0.18

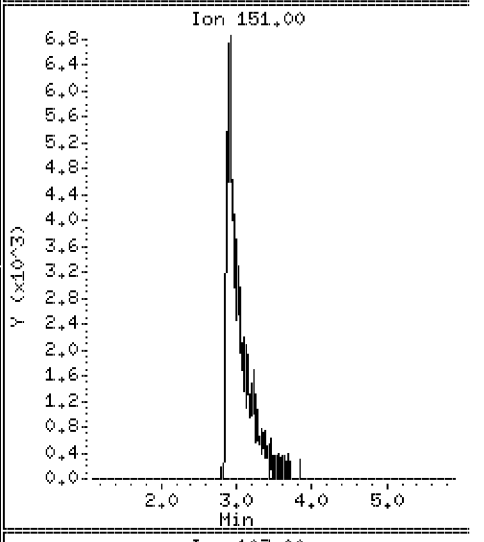
11 1,1,2 Trichlorotrifluoromethane

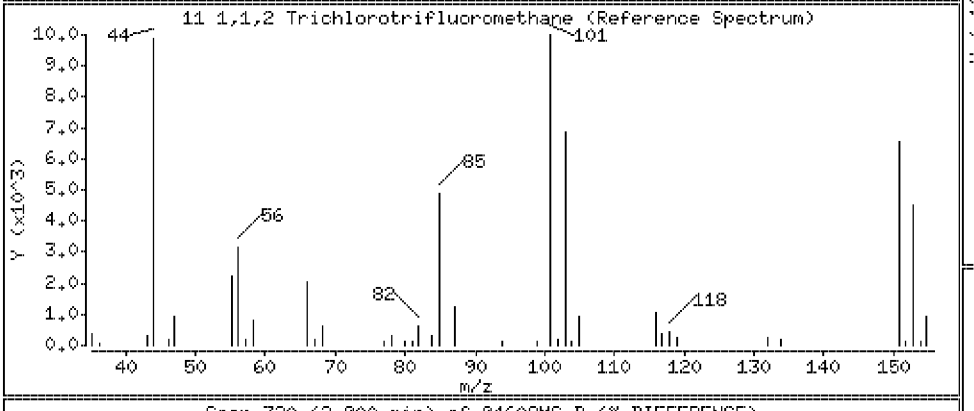
Concentration: 22.4 ug/l

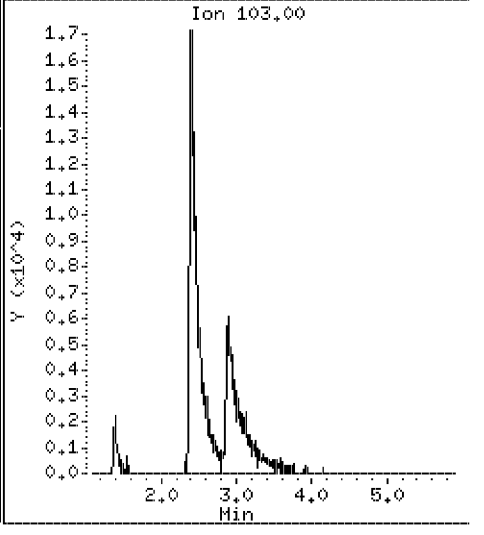


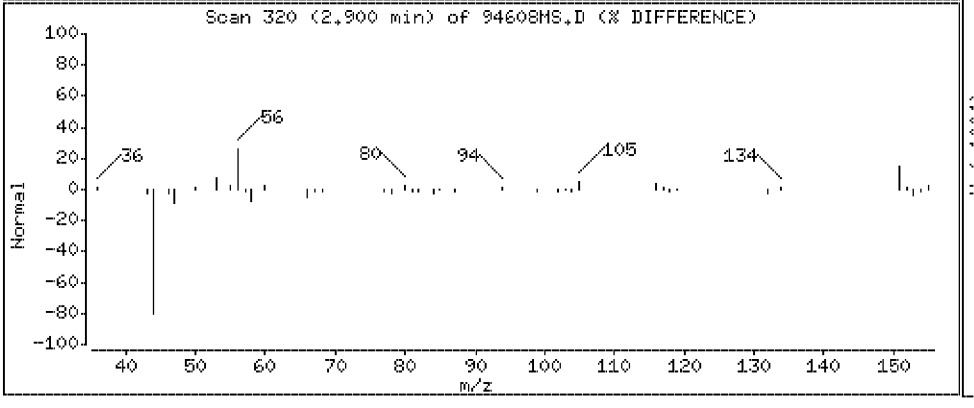












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Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

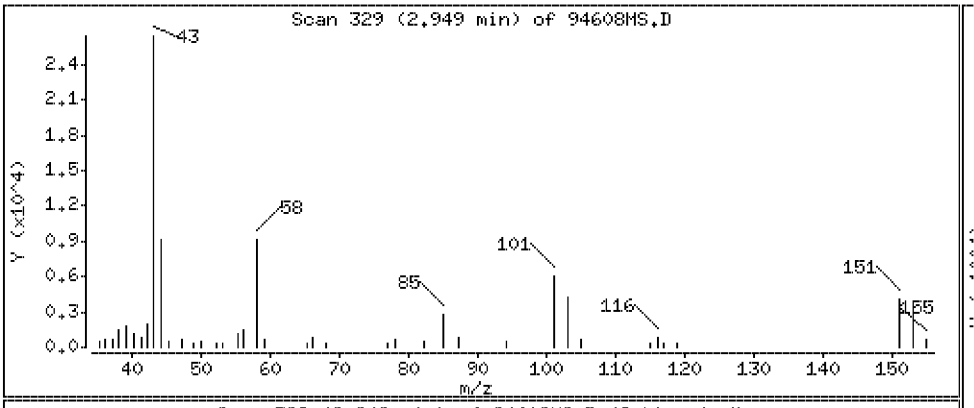
Operator:

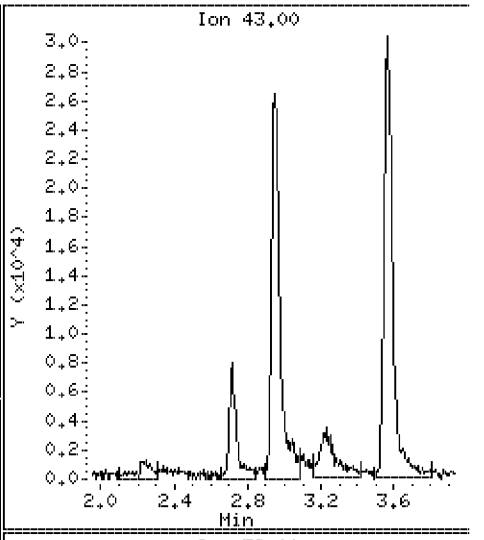
Column phase: DB-624

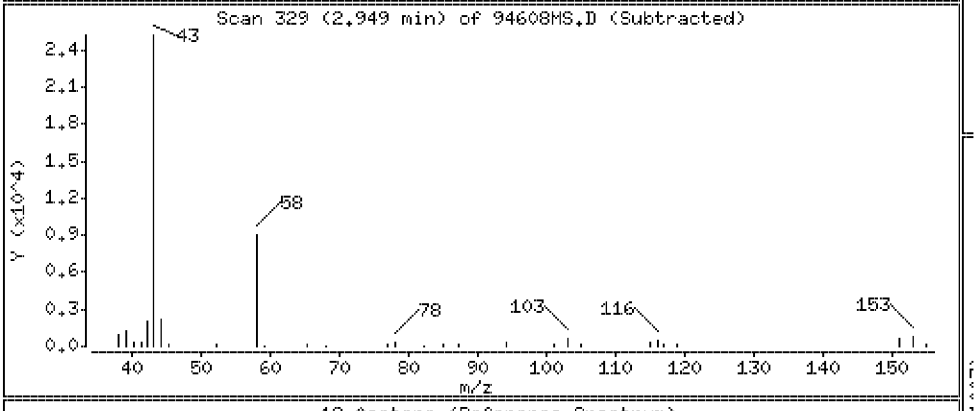
Column diameter: 0.18

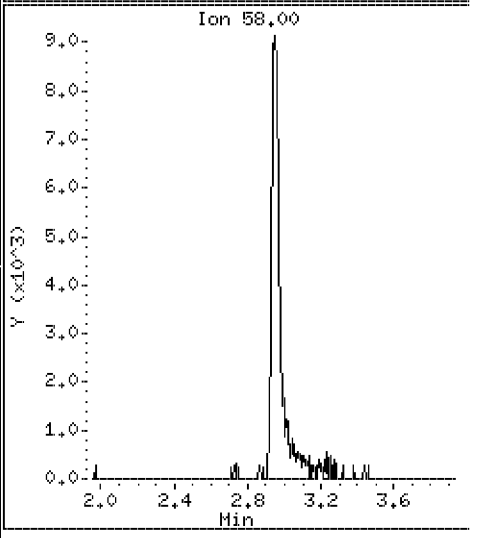
12 Acetone

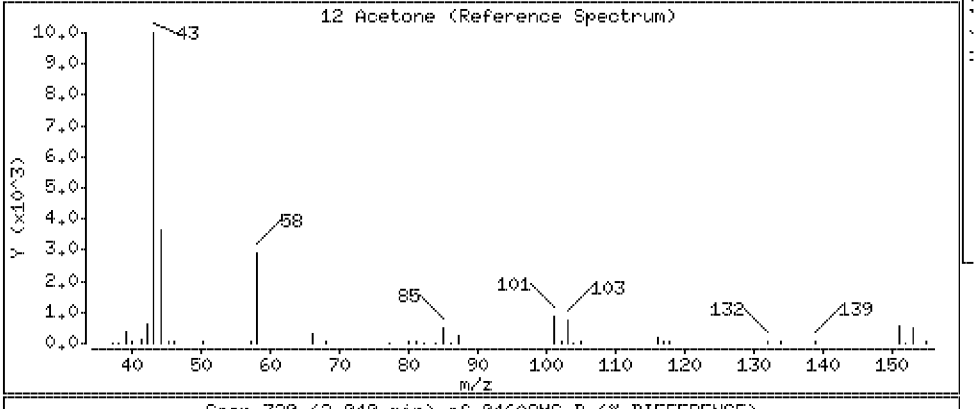
Concentration: 53.8 ug/l

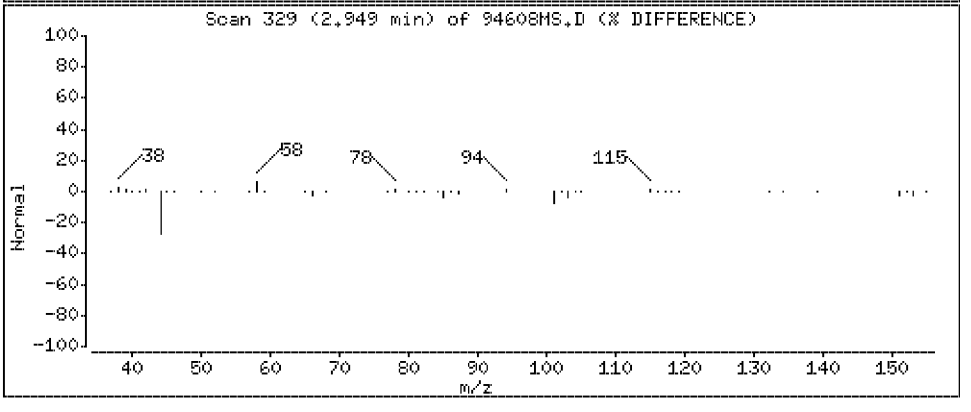












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

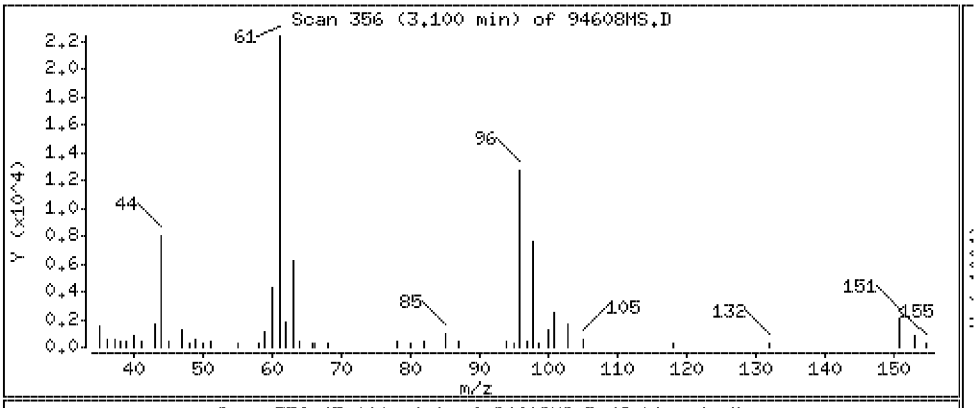
Operator:

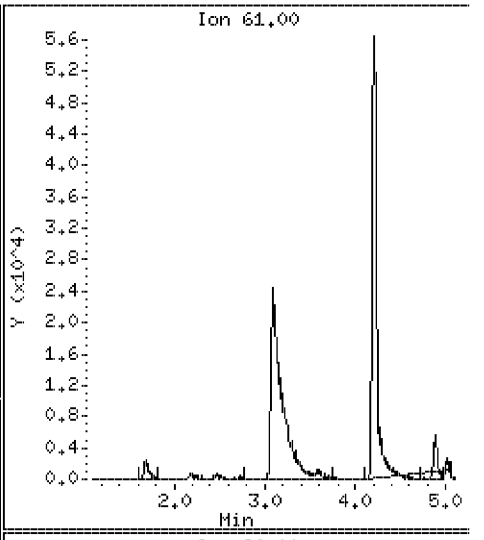
Column phase: DB-624

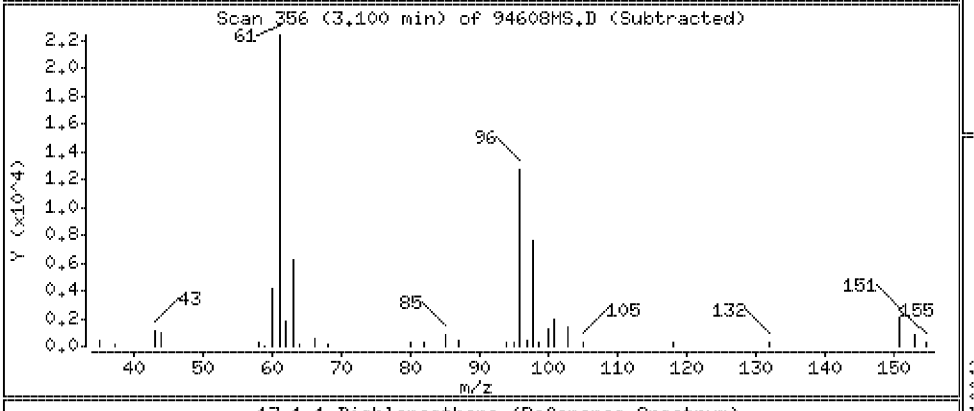
Column diameter: 0.18

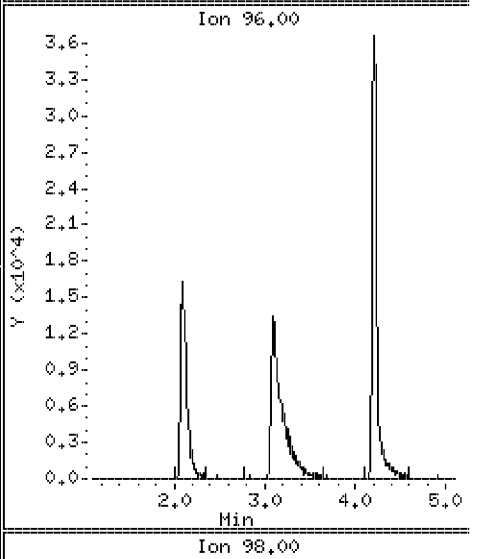
13 1,1-Dichloroethene

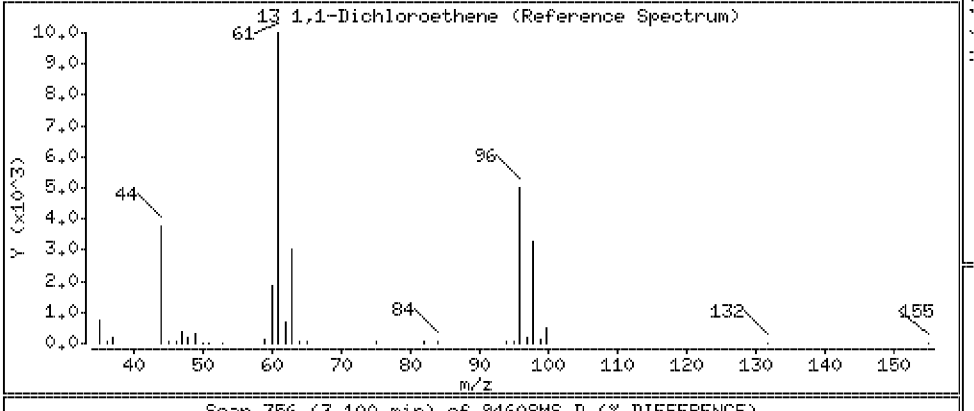
Concentration: 22.3 ug/l

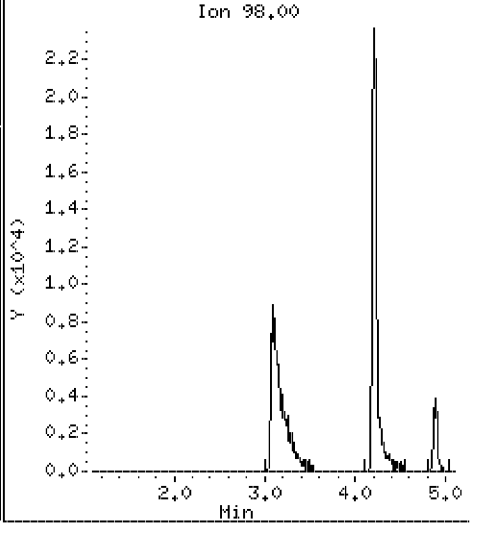


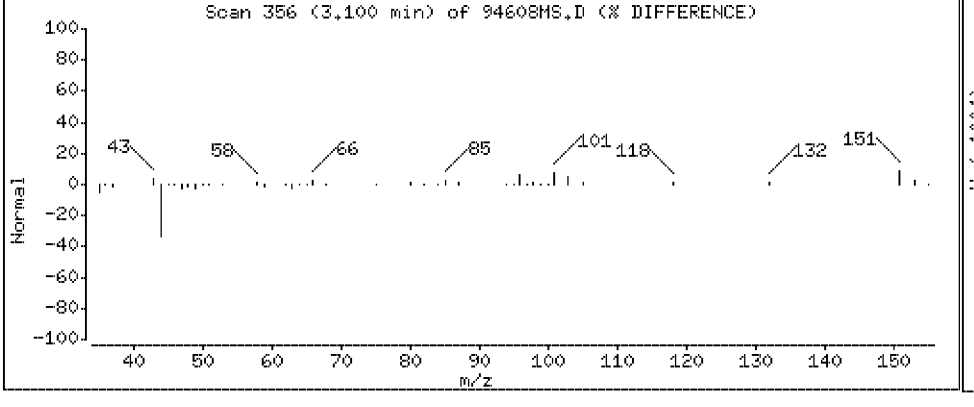












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

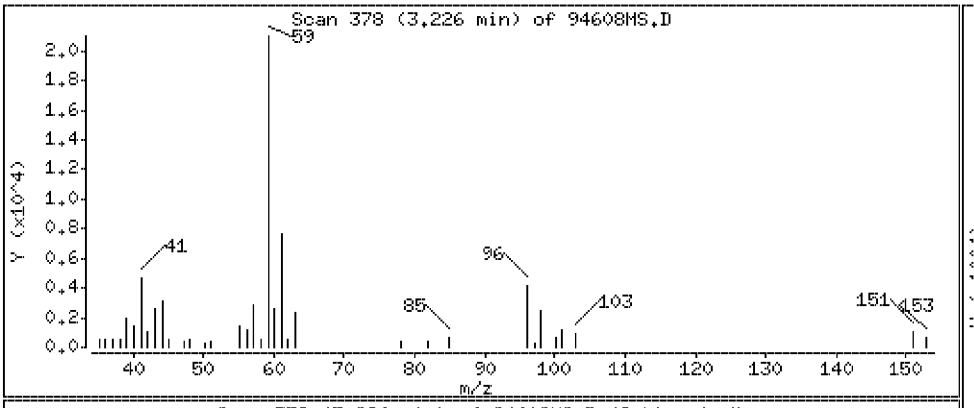
Operator:

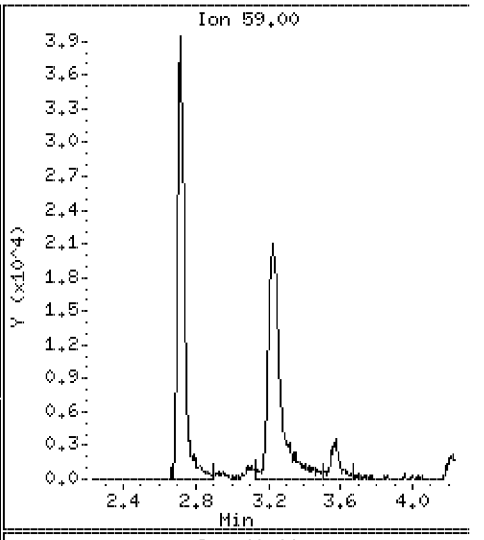
Column phase: DB-624

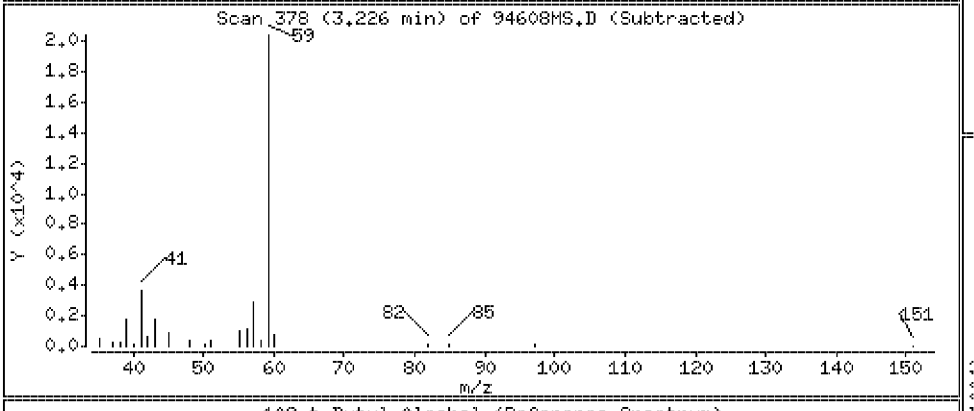
Column diameter: 0.18

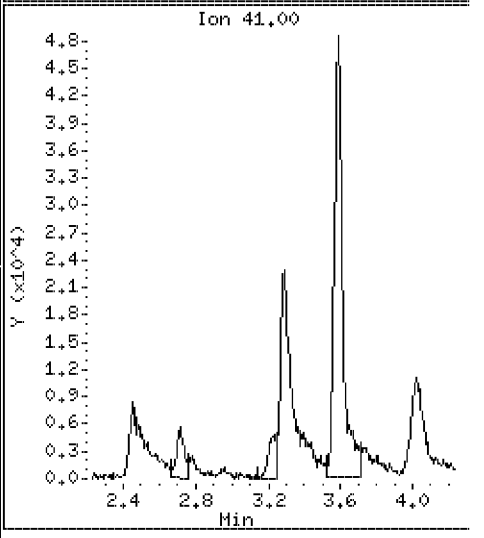
109 t-Butyl-Alcohol

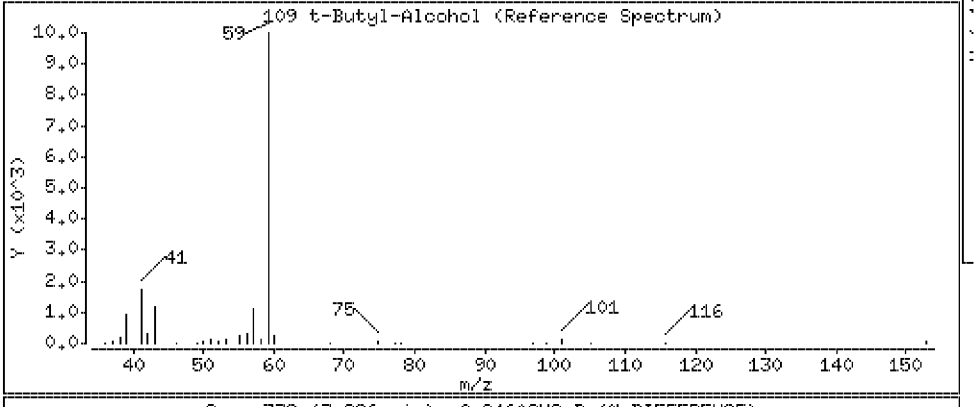
Concentration: 229 ug/l

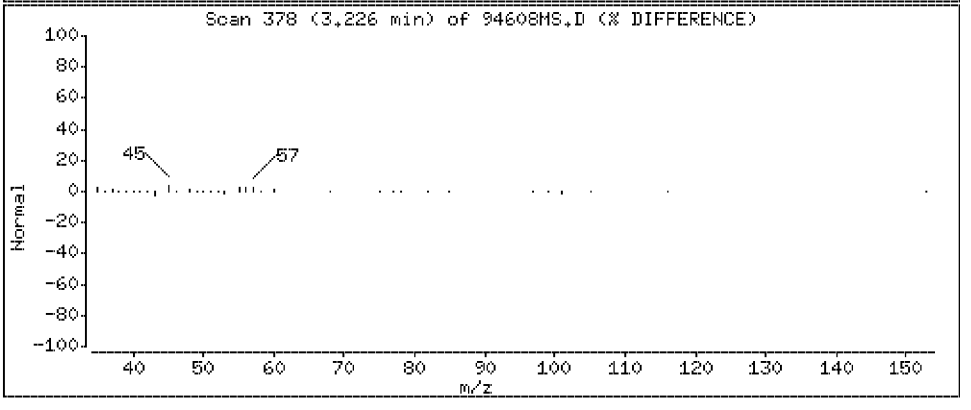












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

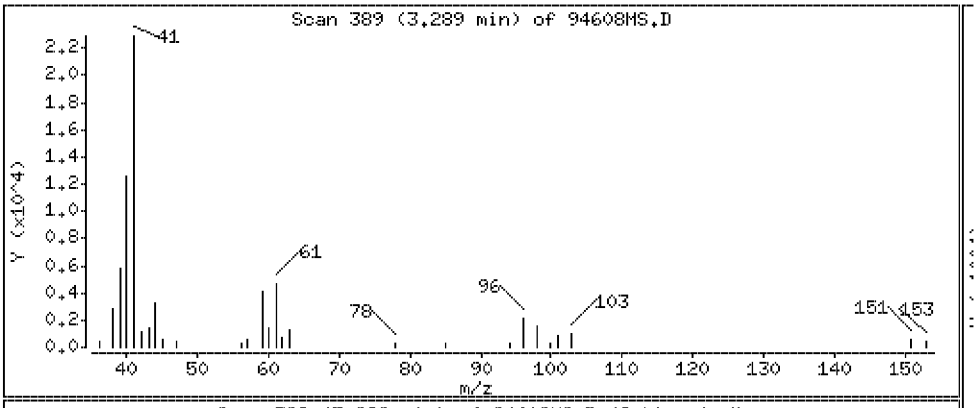
Operator:

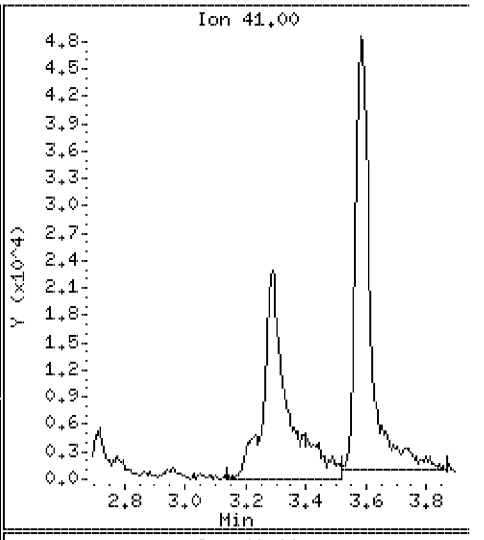
Column phase: DB-624

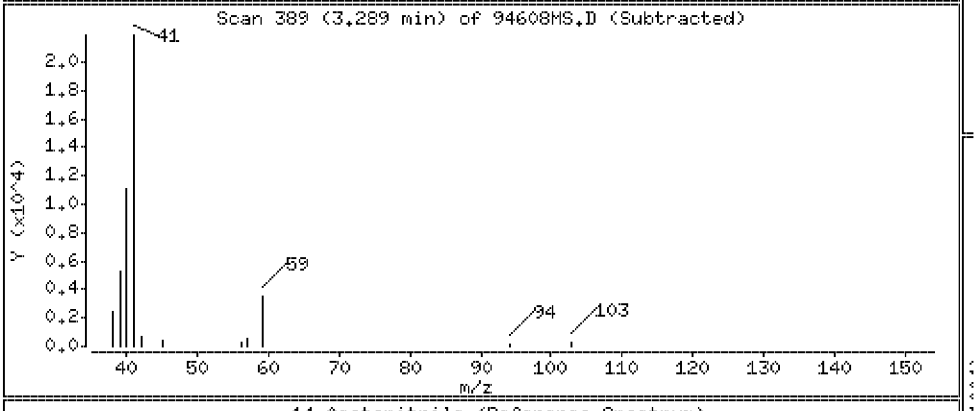
Column diameter: 0.18

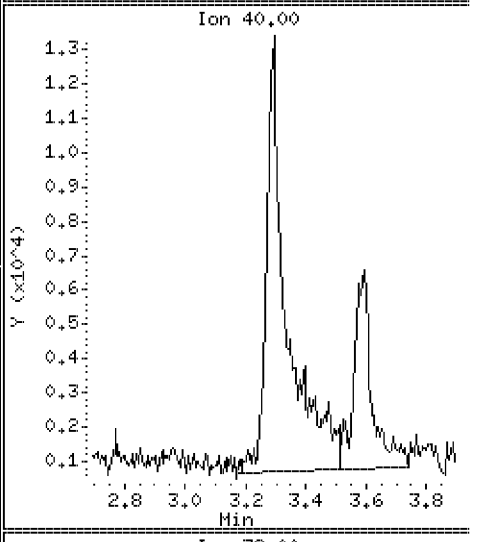
14 Acetonitrile

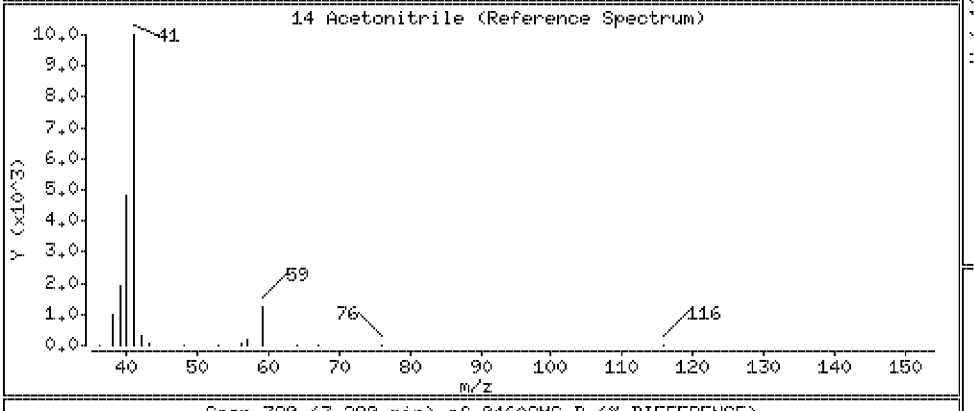
Concentration: 173 ug/l

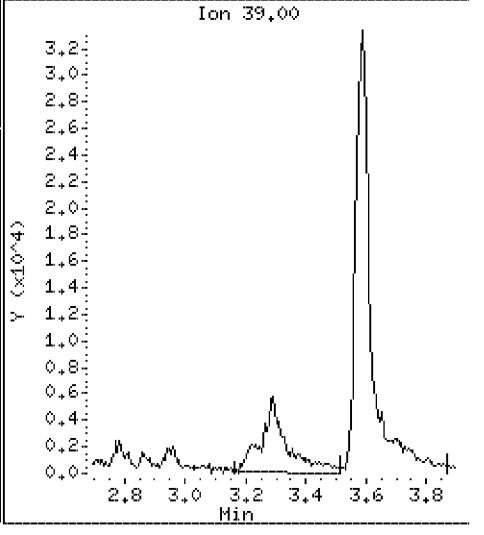


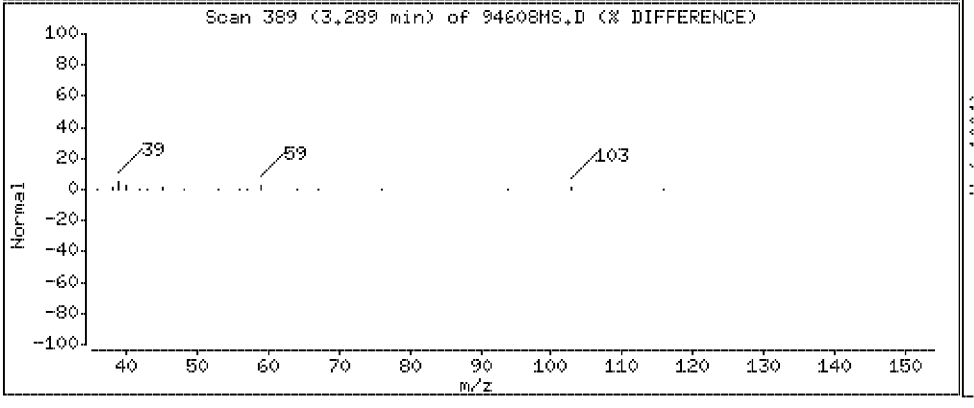












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

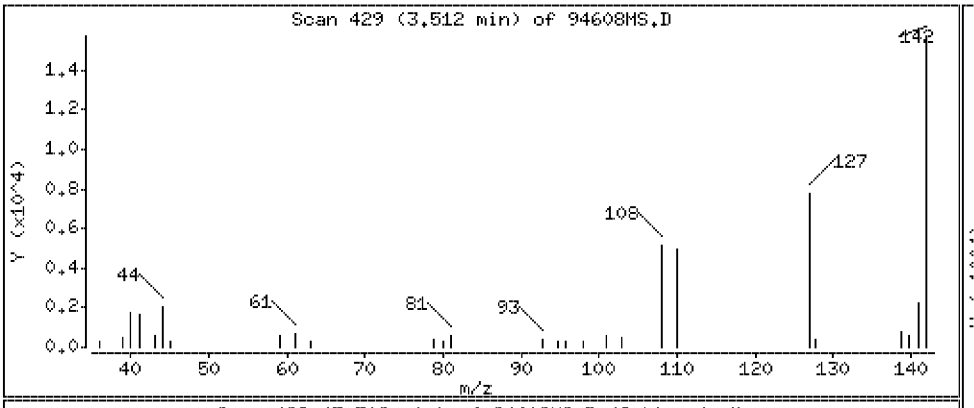
Operator:

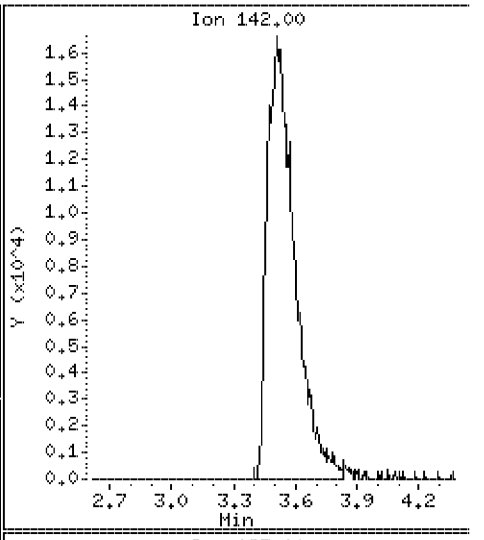
Column phase: DB-624

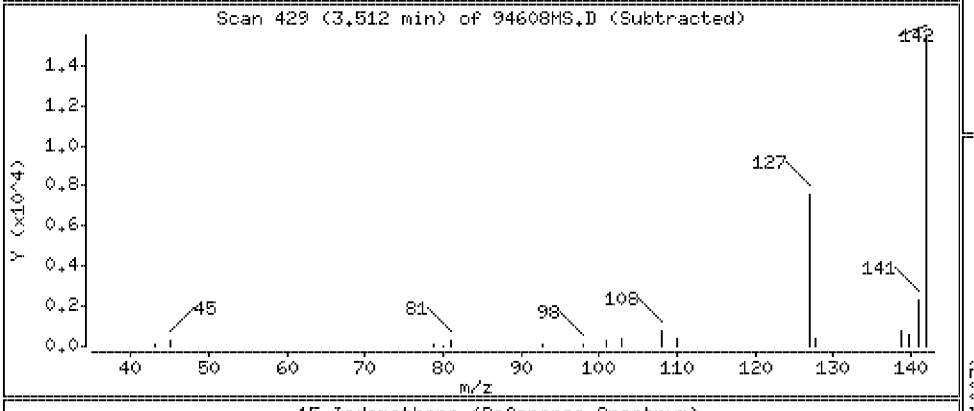
Column diameter: 0.18

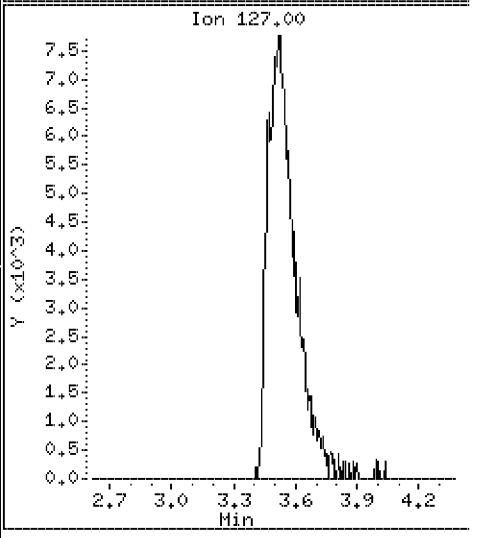
15 Iodomethane

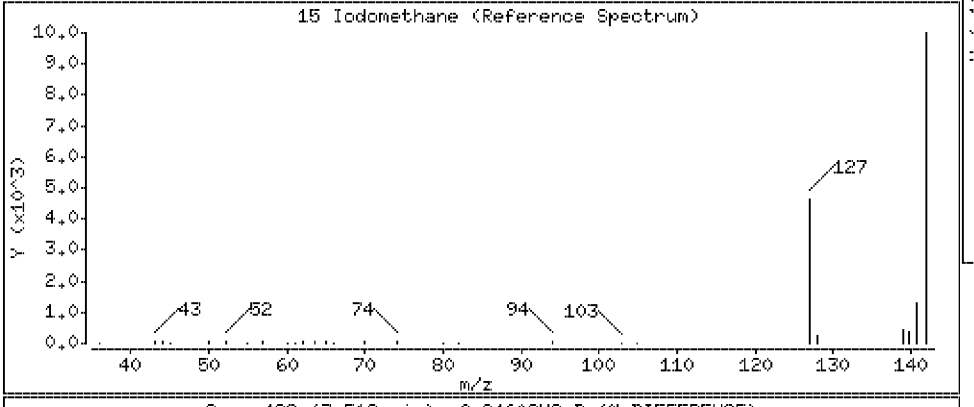
Concentration: 18.2 ug/l

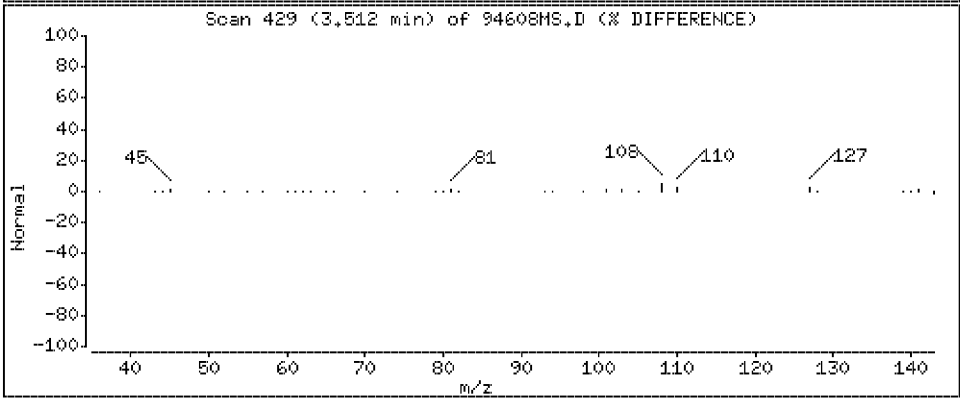












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Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

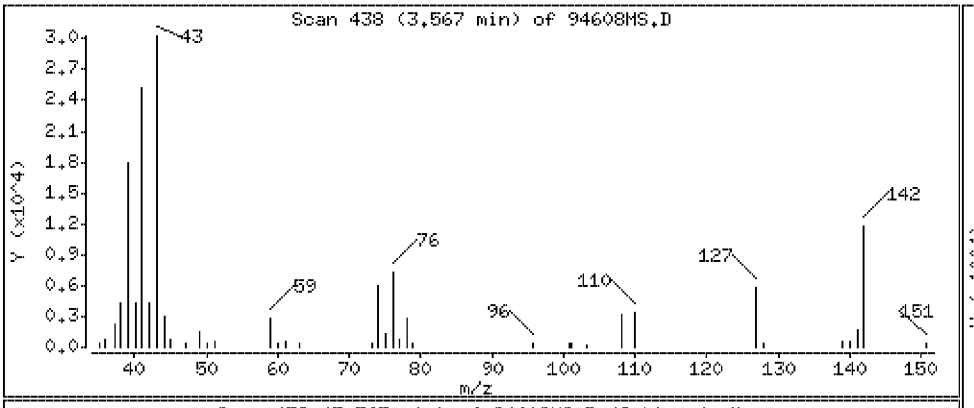
Operator:

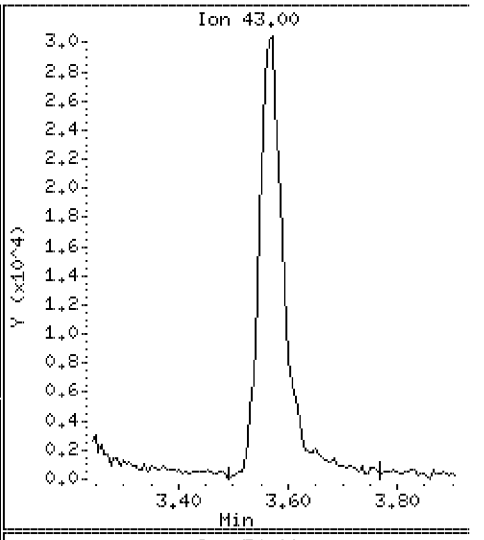
Column phase: DB-624

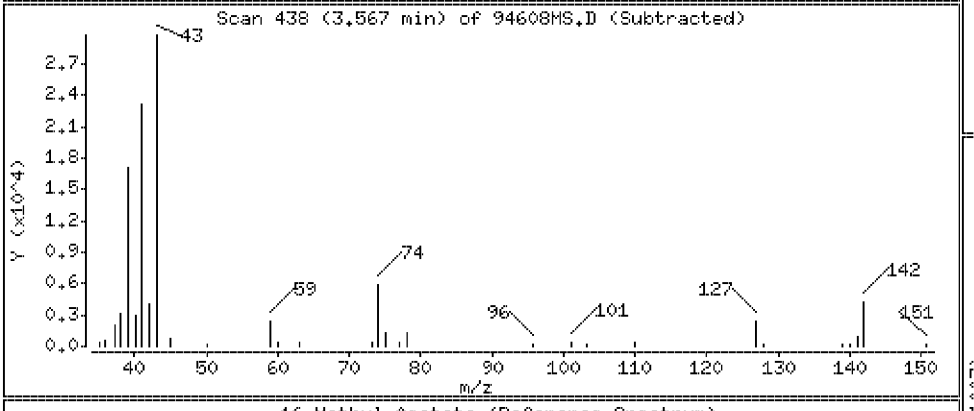
Column diameter: 0.18

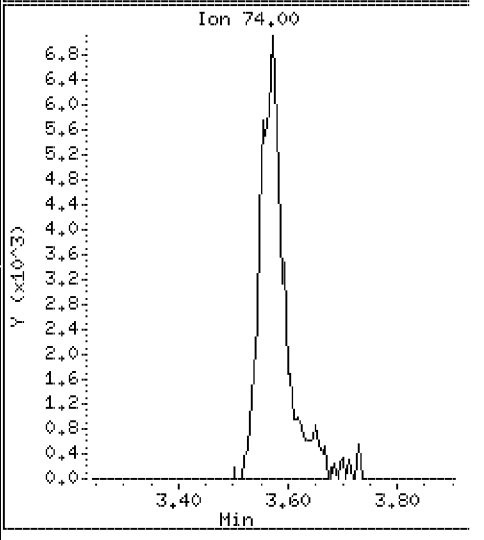
16 Methyl Acetate

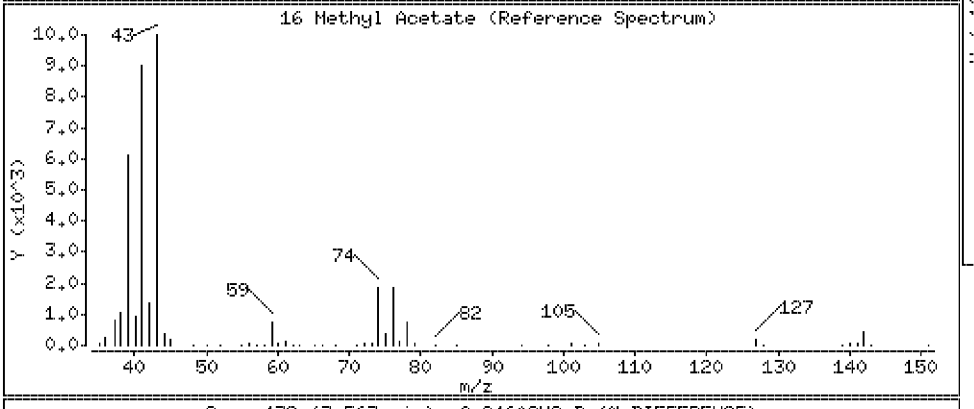
Concentration: 17.8 ug/l

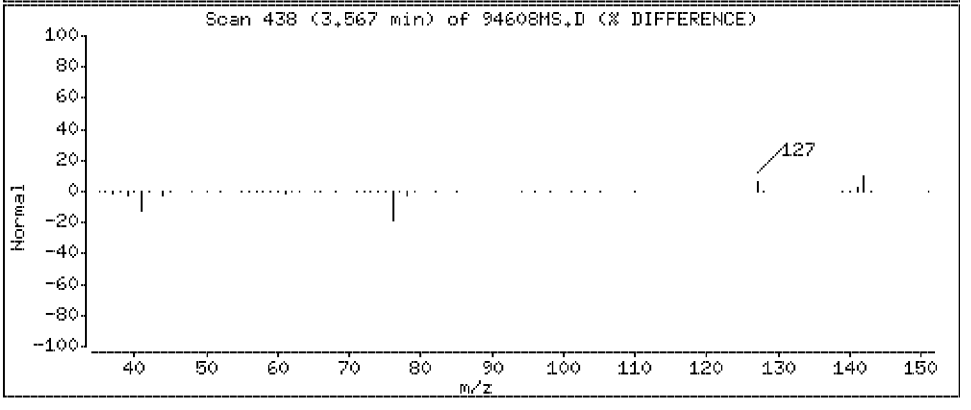












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

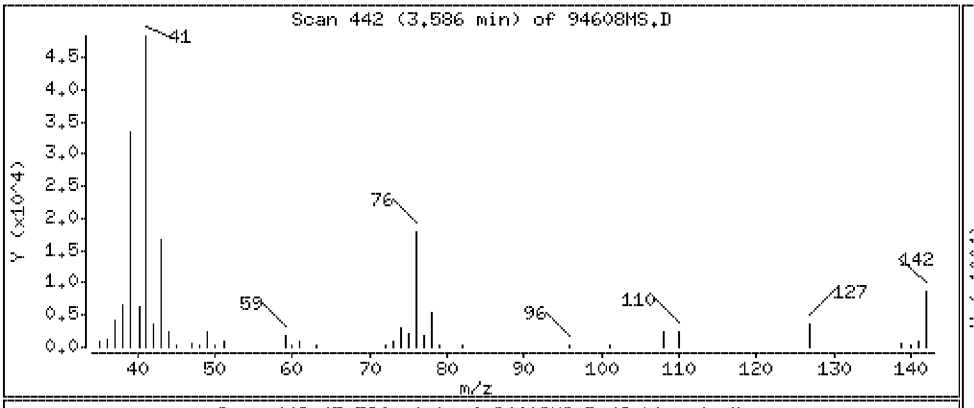
Operator:

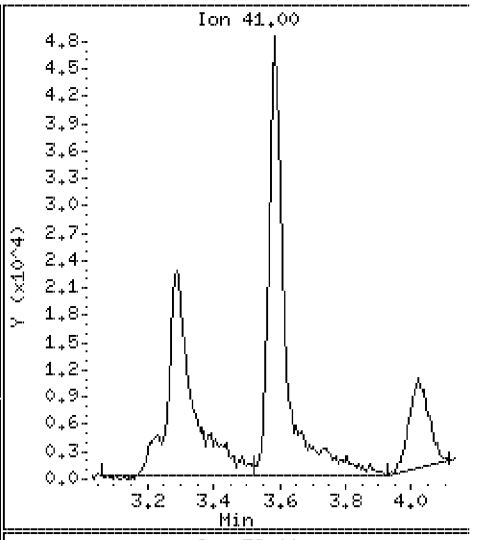
Column phase: DB-624

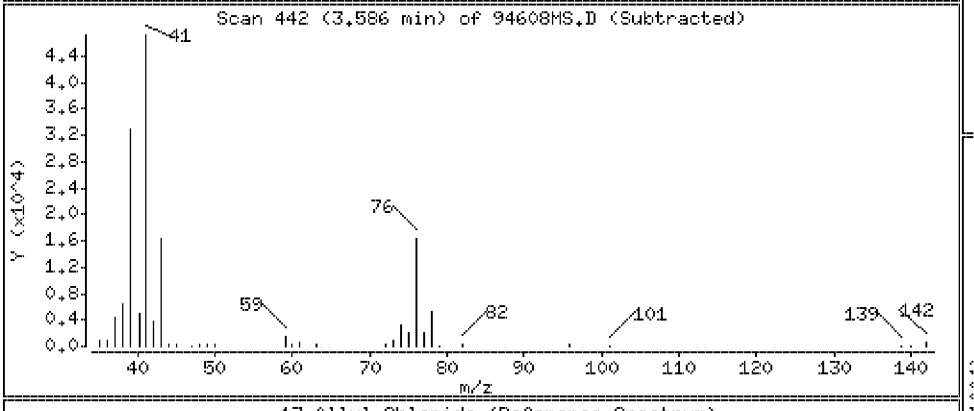
Column diameter: 0.18

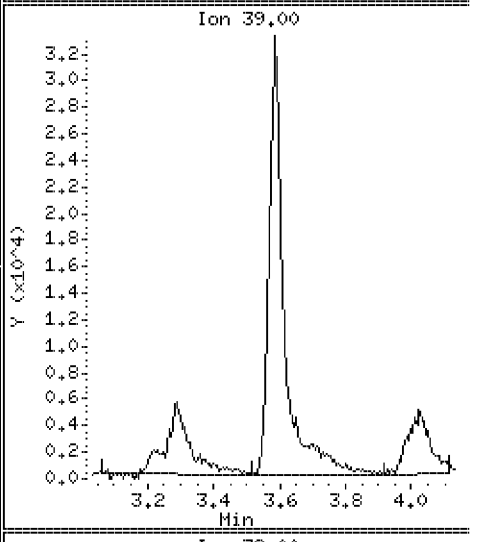
17 Allyl Chloride

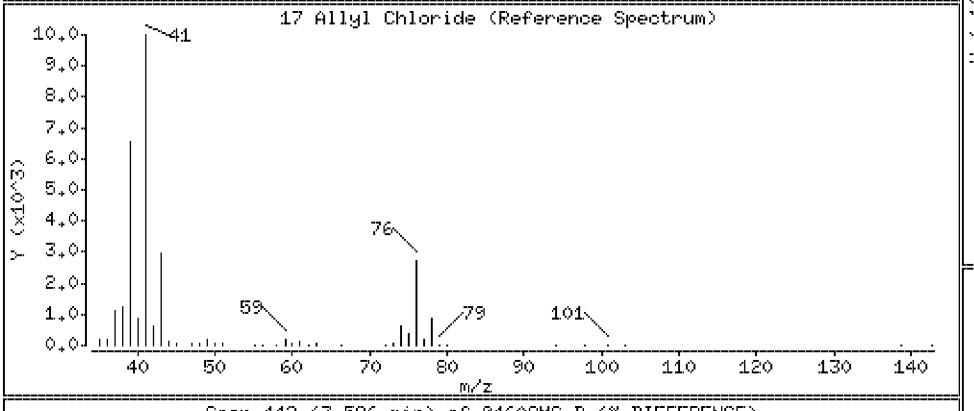
Concentration: 19.5 ug/l

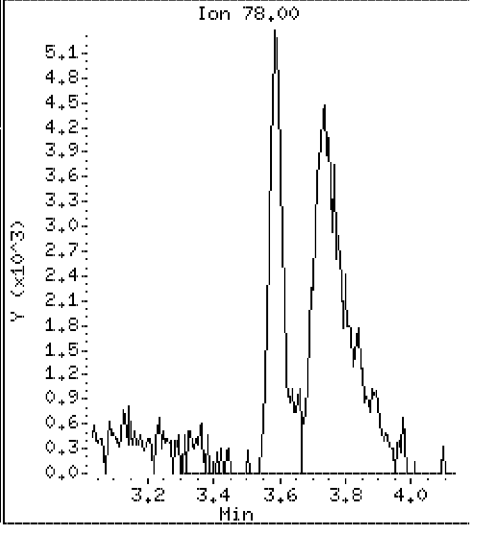


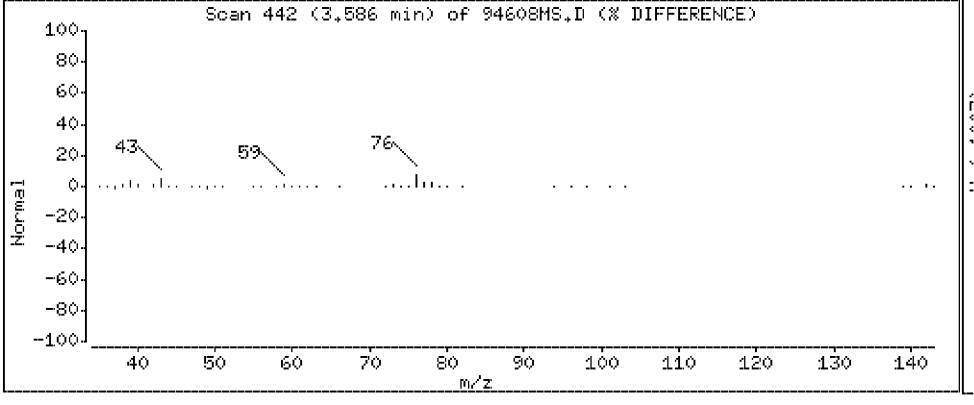












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

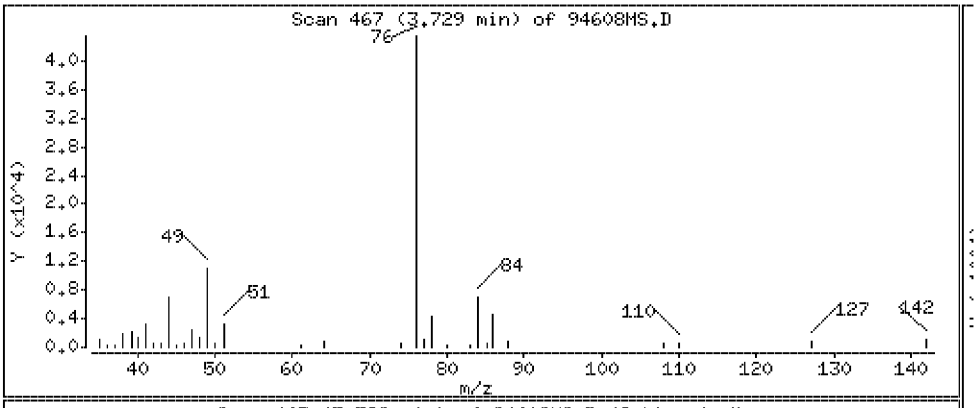
Operator:

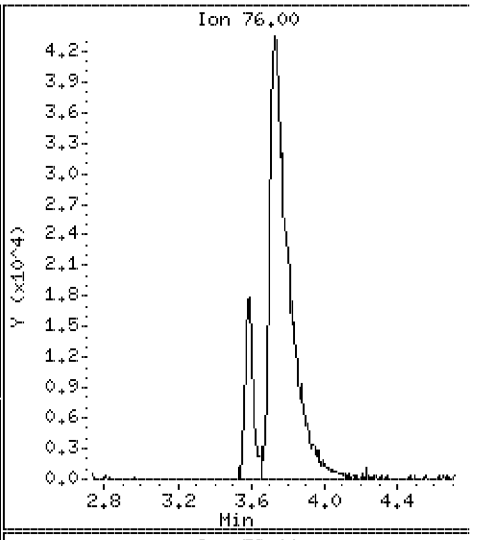
Column phase: DB-624

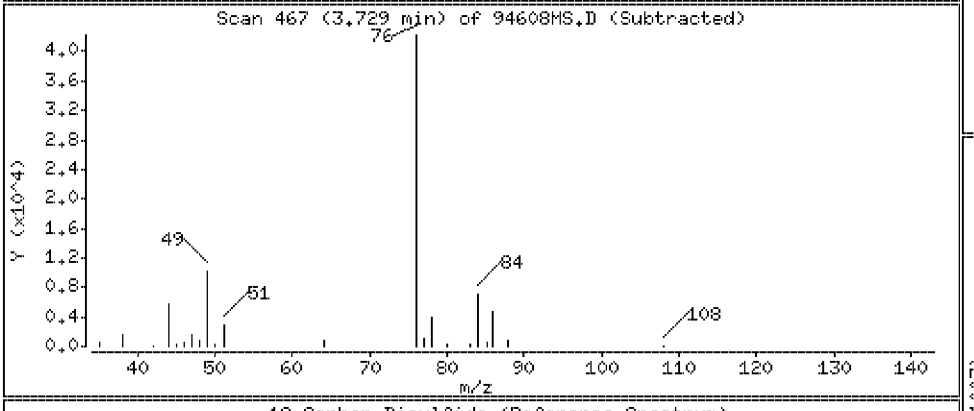
Column diameter: 0.18

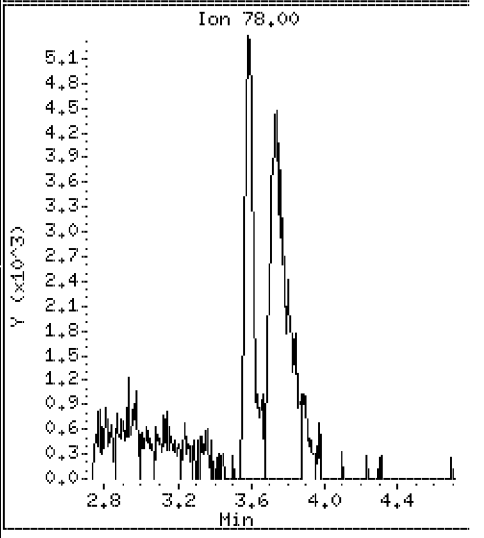
18 Carbon Disulfide

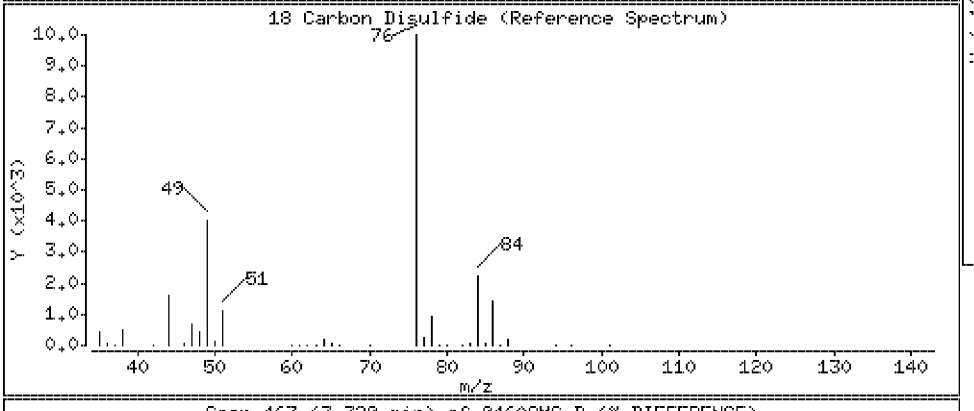
Concentration: 20.5 ug/l

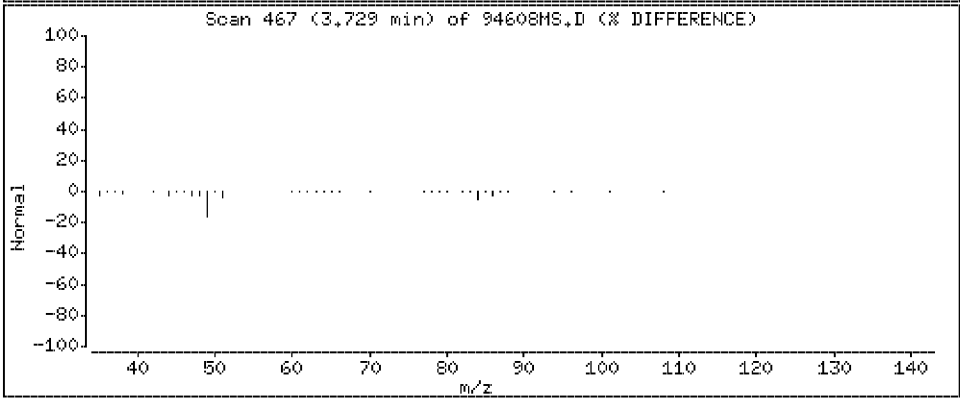












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

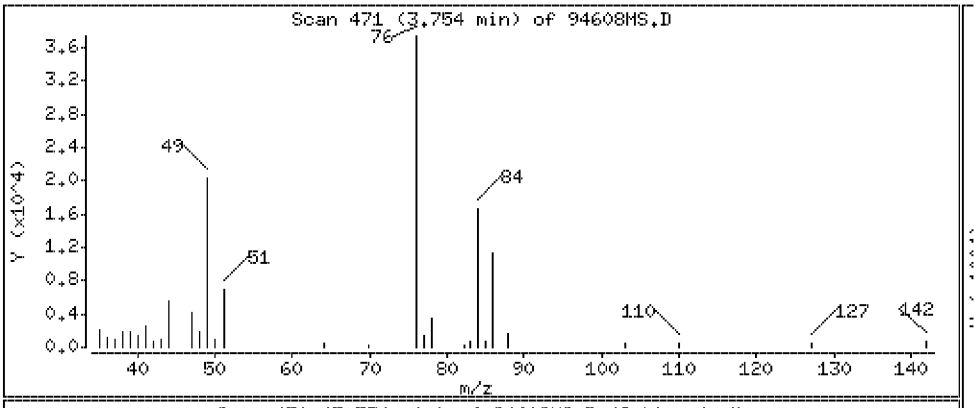
Operator:

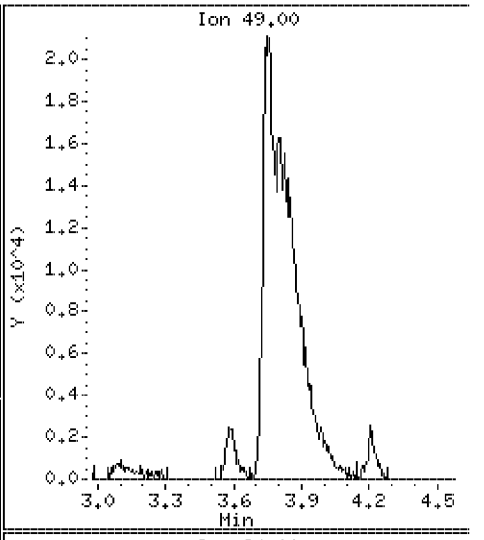
Column phase: DB-624

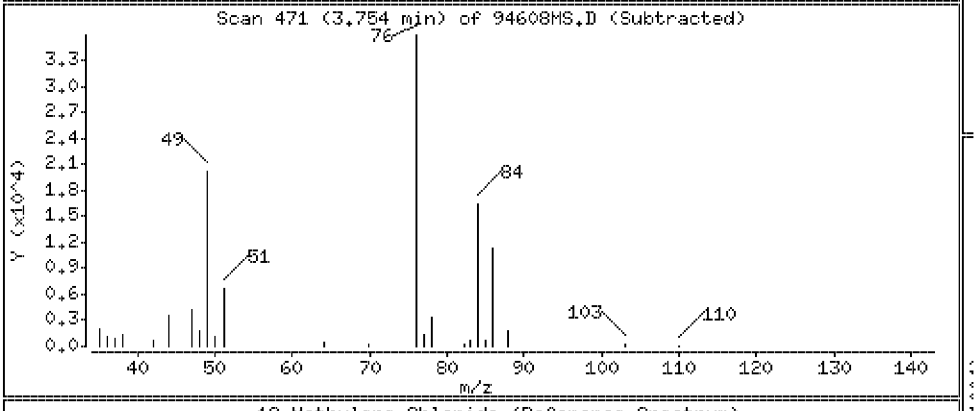
Column diameter: 0.18

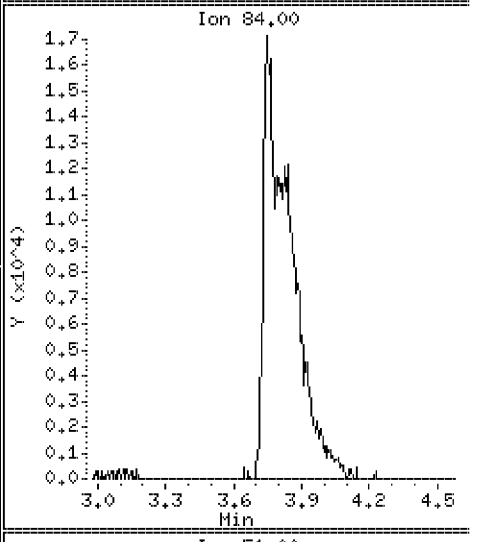
19 Methylene Chloride

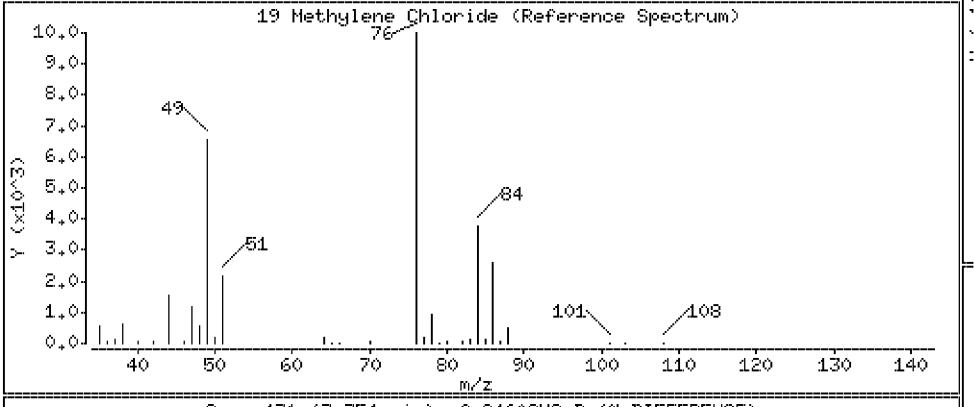
Concentration: 18.3 ug/l

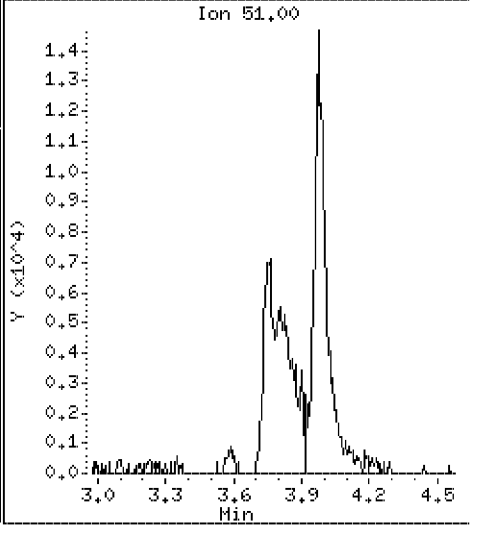


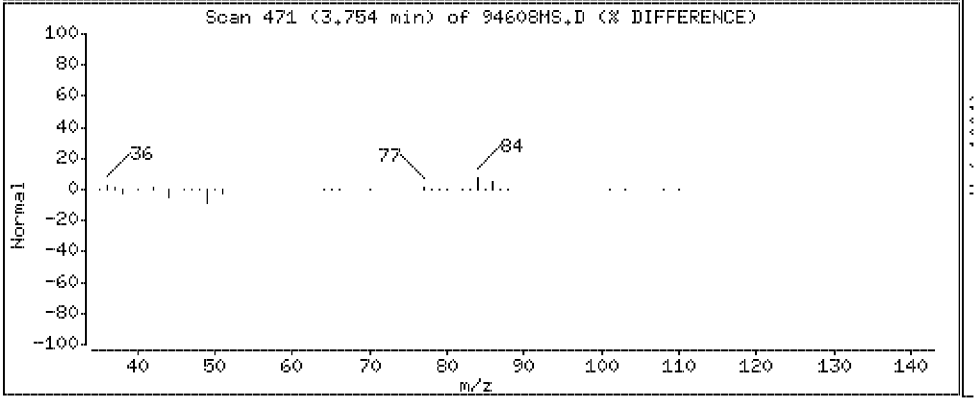












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

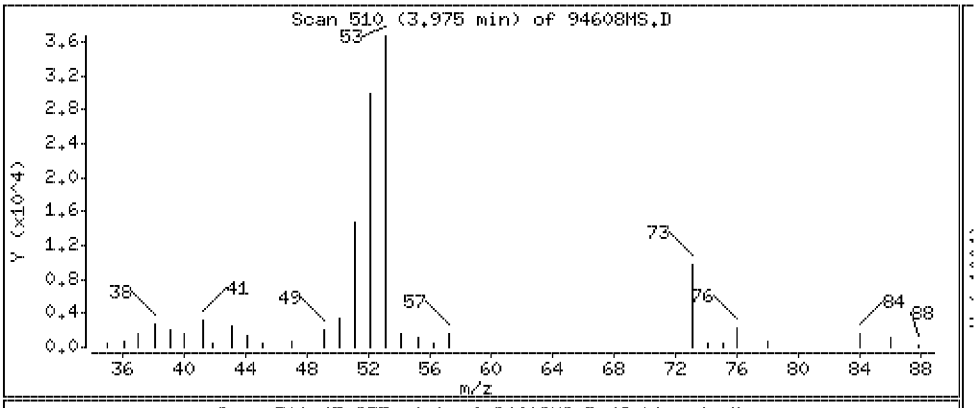
Operator:

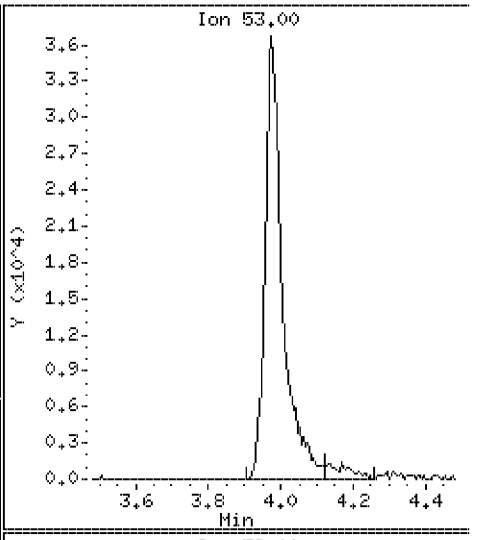
Column phase: DB-624

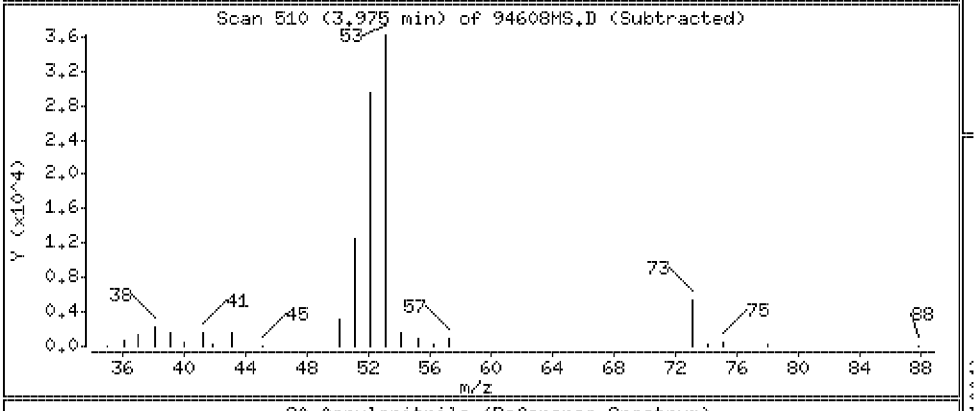
Column diameter: 0.18

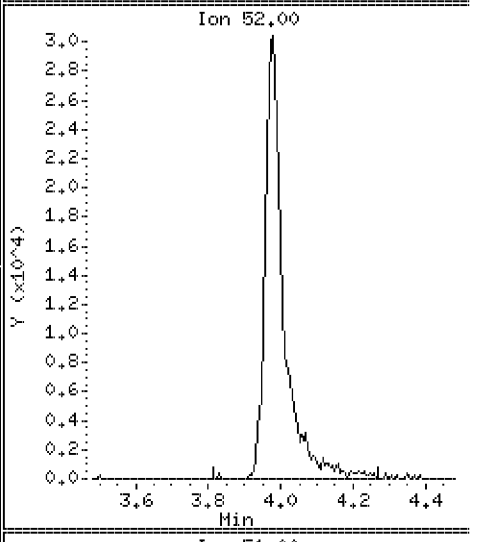
20 Acrylonitrile

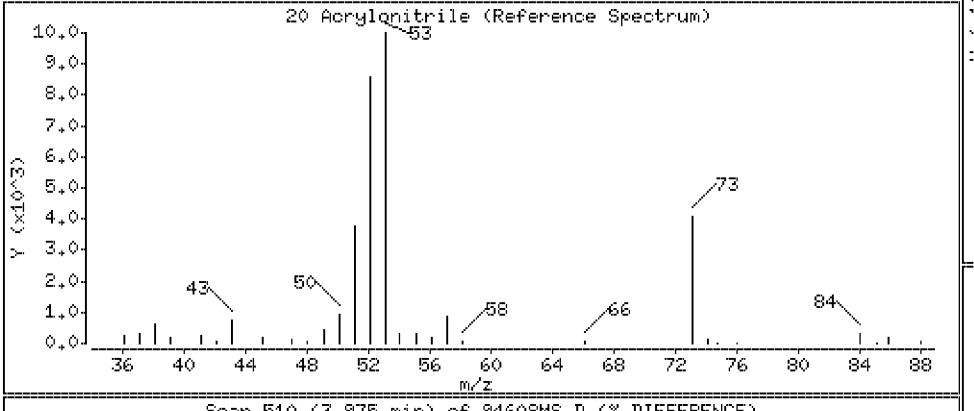
Concentration: 53.1 ug/l

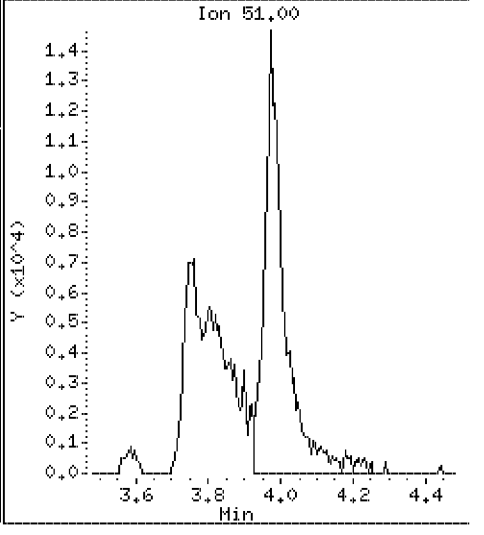


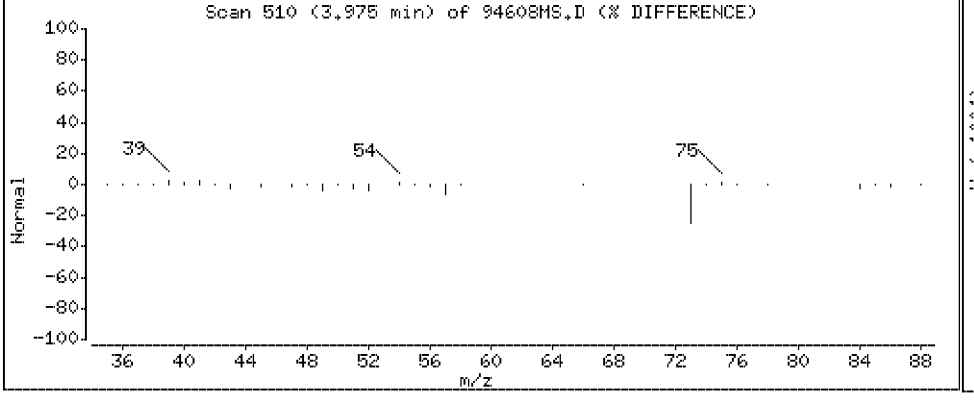












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

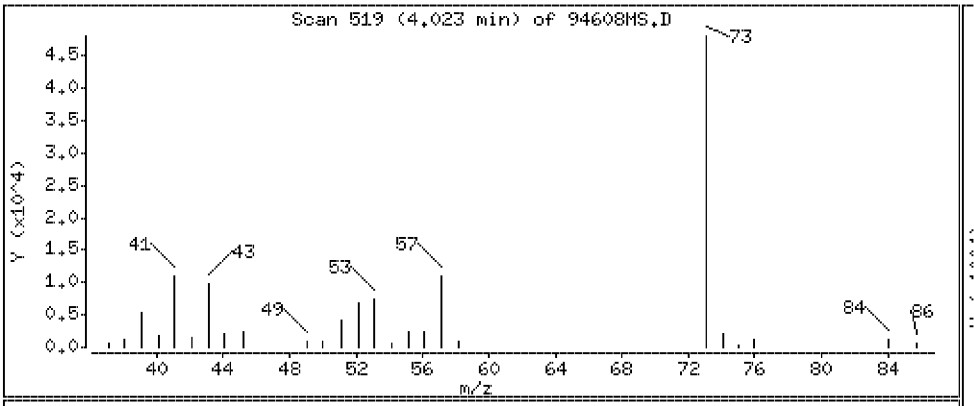
Operator:

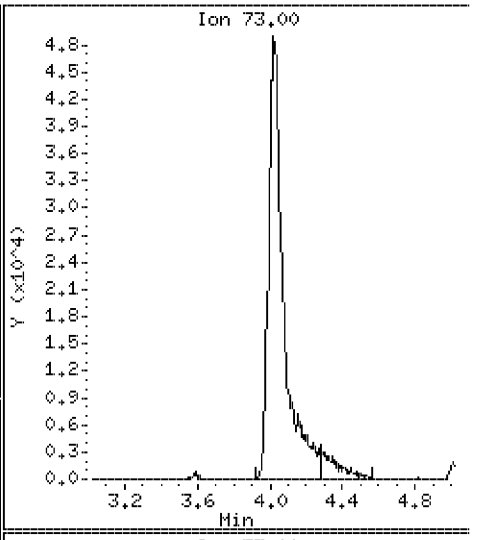
Column phase: DB-624

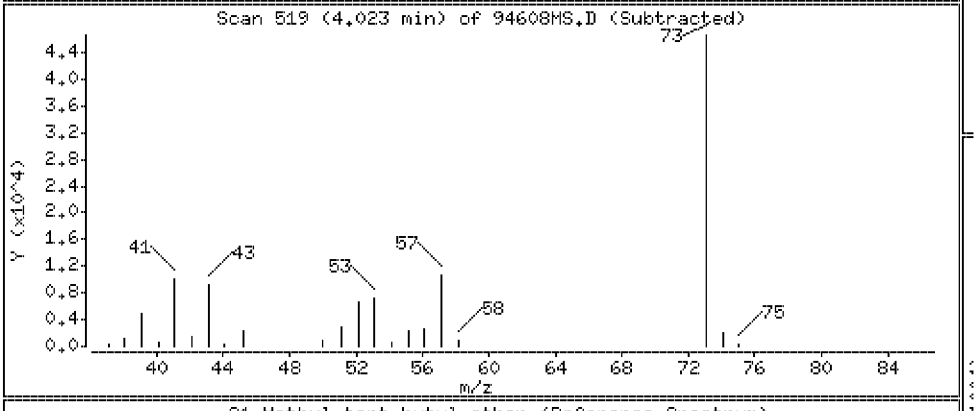
Column diameter: 0.18

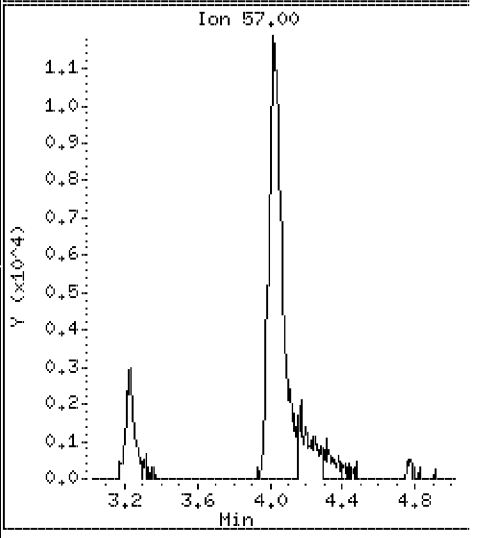
21 Methyl-tert-butyl ether

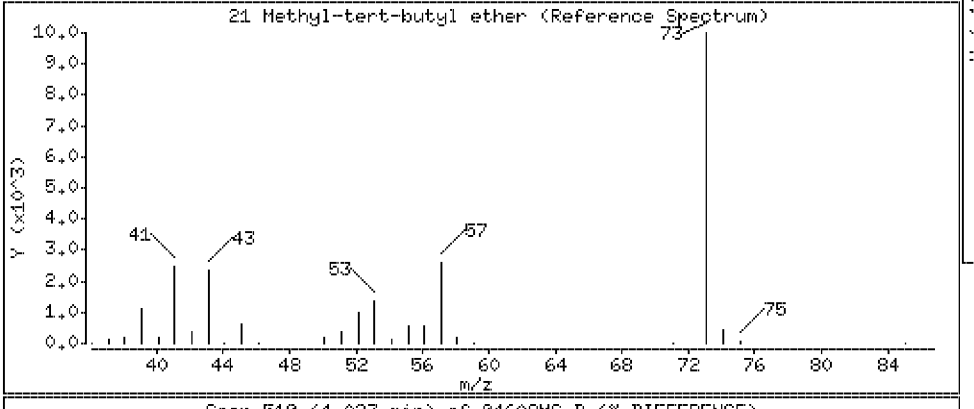
Concentration: 18.3 ug/l

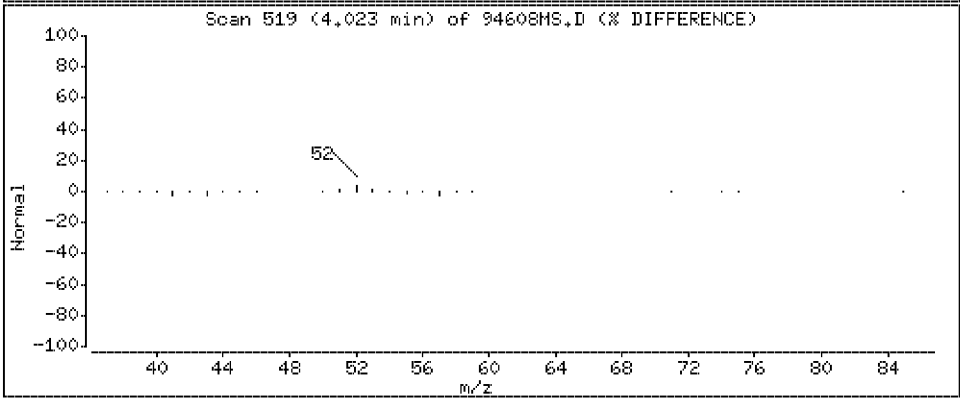












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

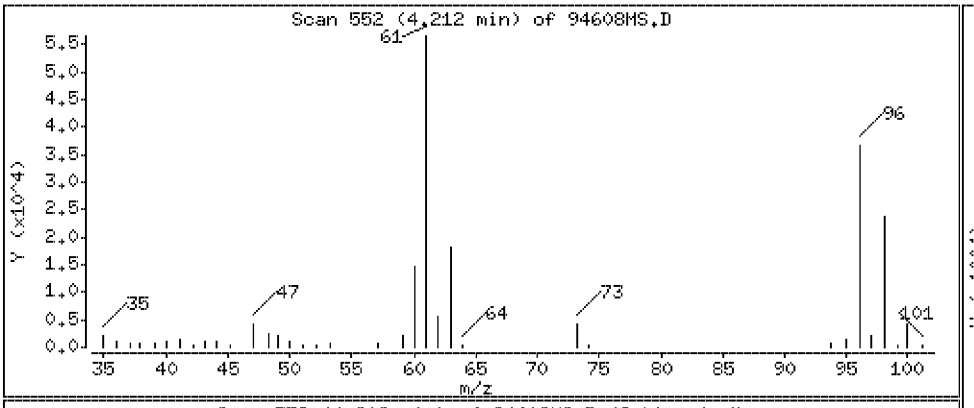
Operator:

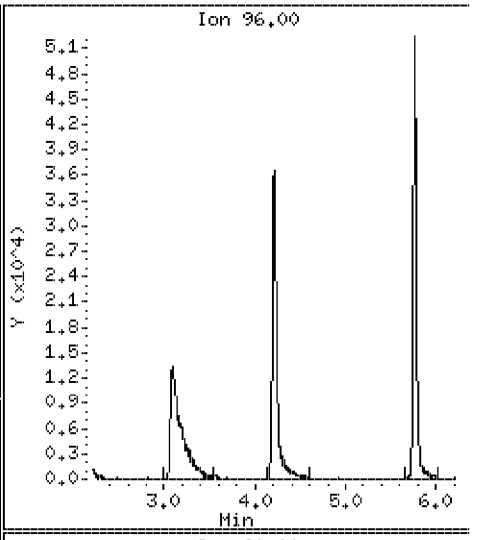
Column phase: DB-624

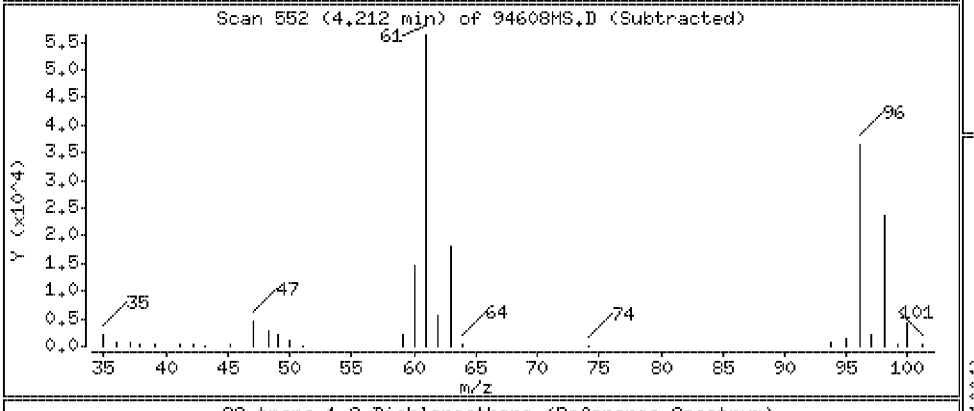
Column diameter: 0.18

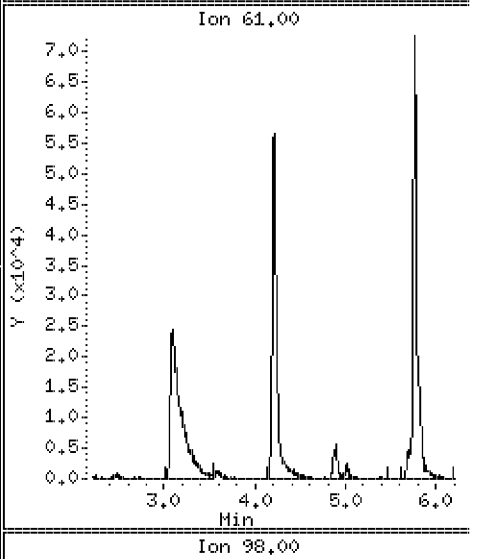
22 trans 1,2-Dichloroethene

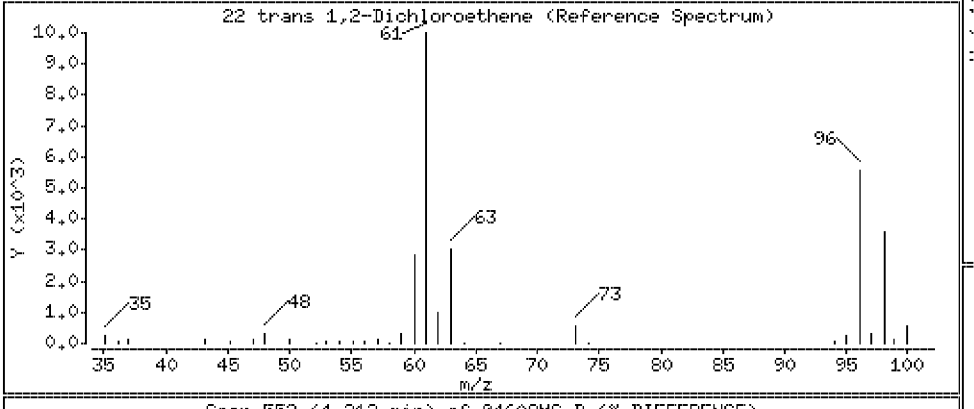
Concentration: 21.1 ug/l

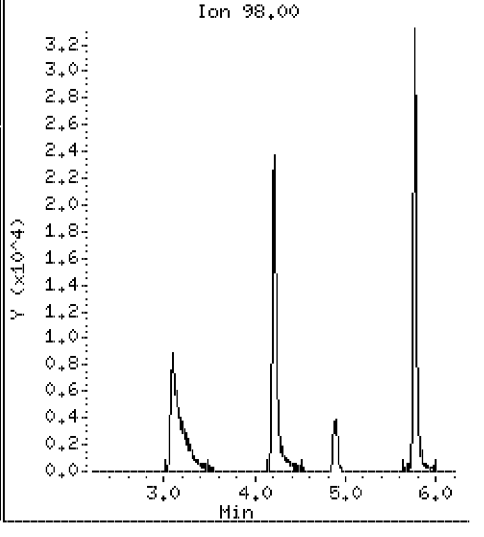


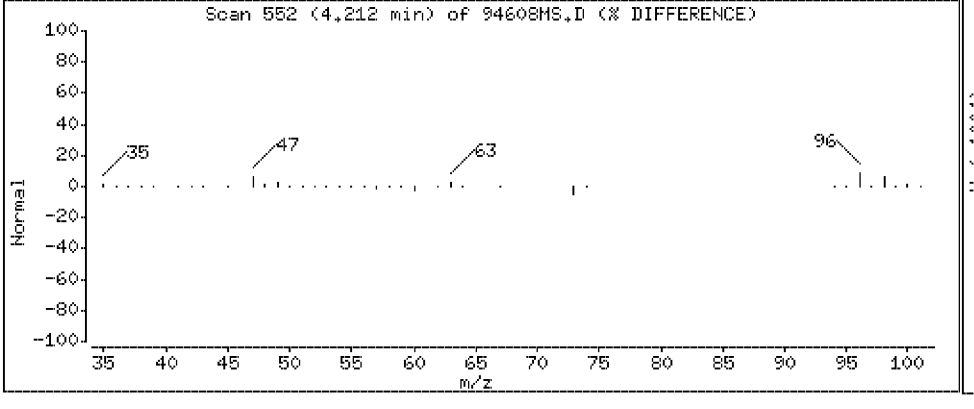












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

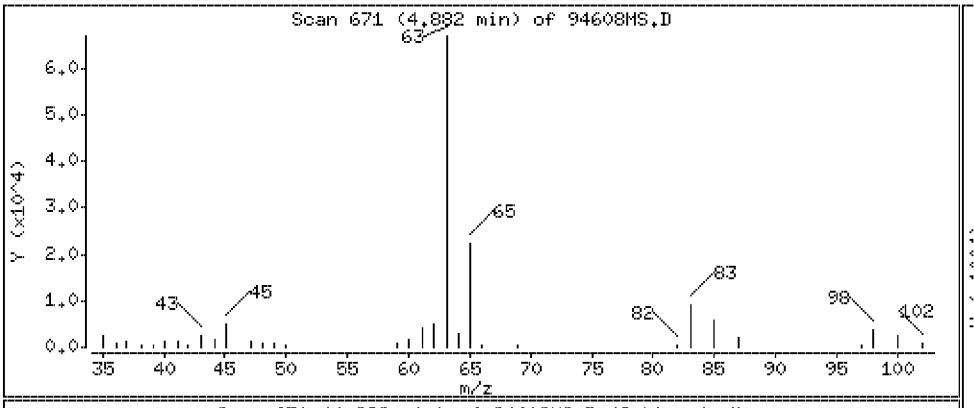
Operator:

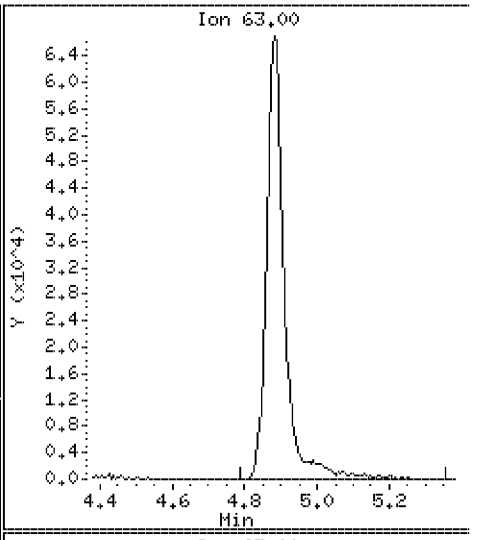
Column phase: DB-624

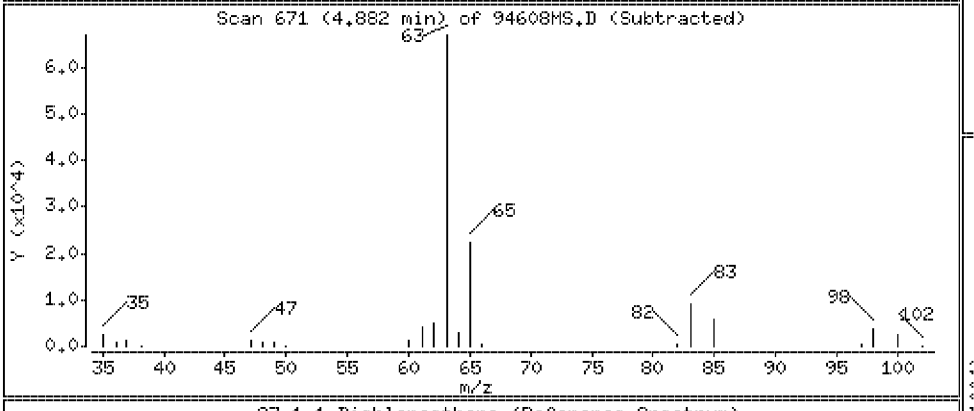
Column diameter: 0.18

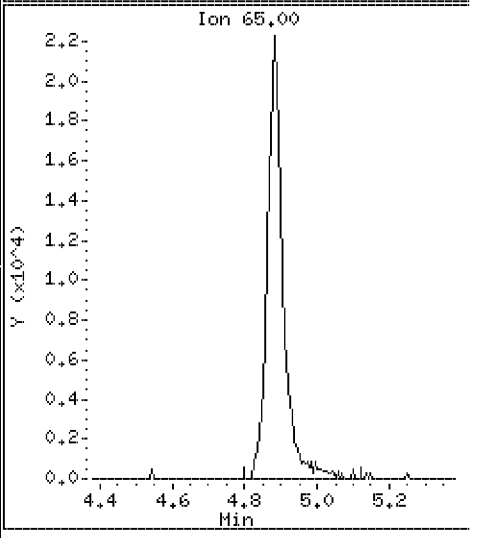
23 1,1-Dichloroethane

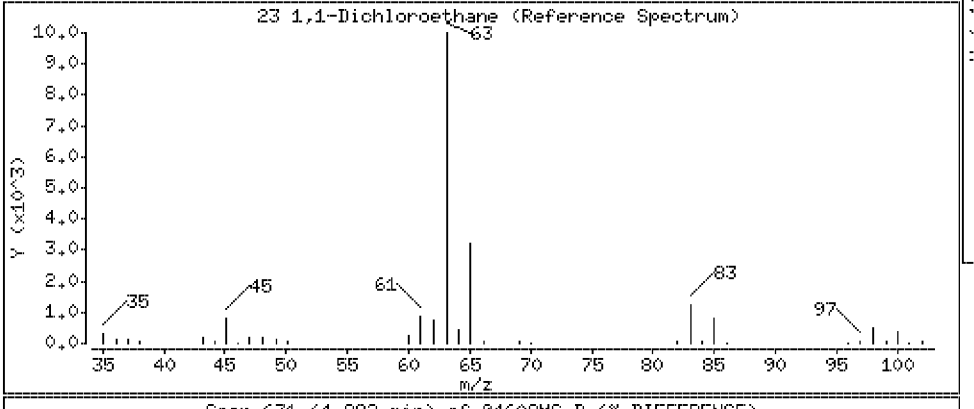
Concentration: 21.2 ug/l

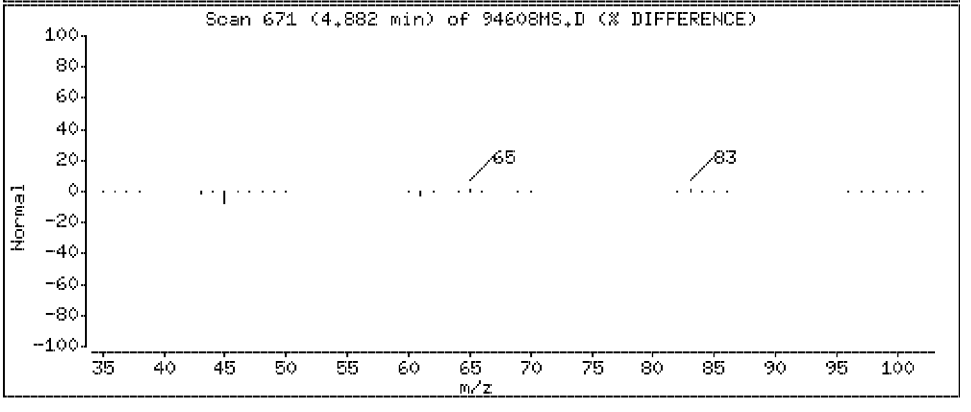












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

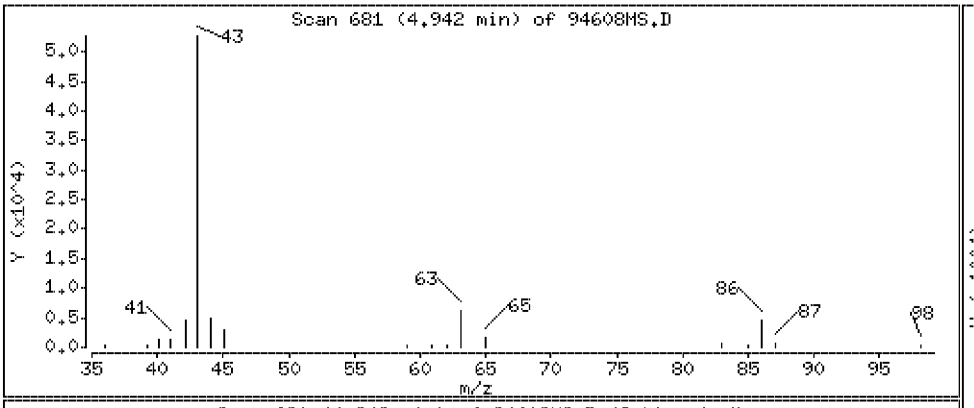
Operator:

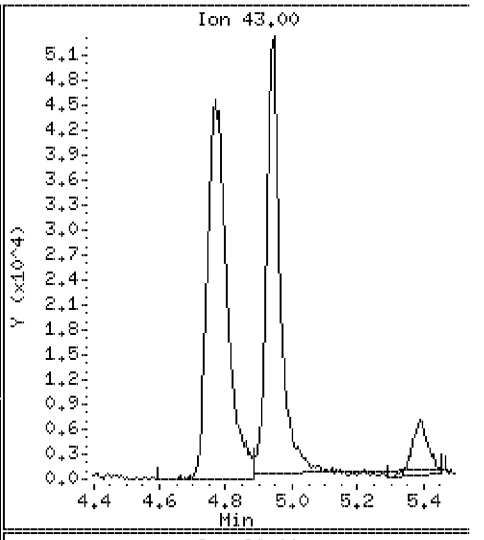
Column phase: DB-624

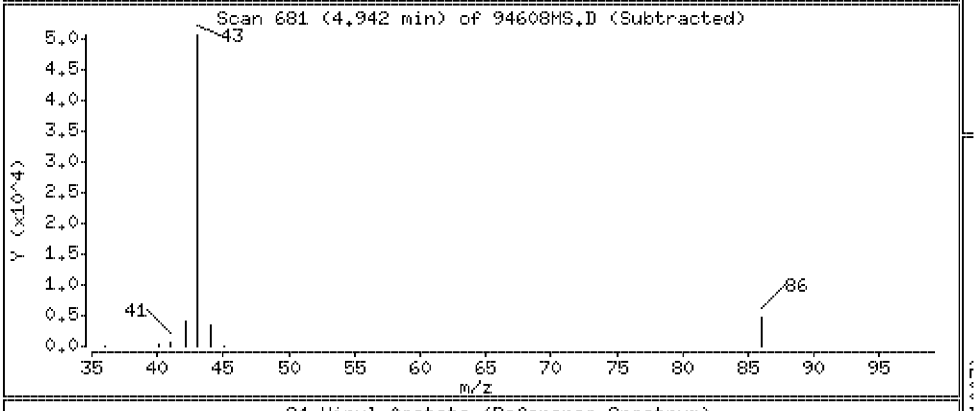
Column diameter: 0.18

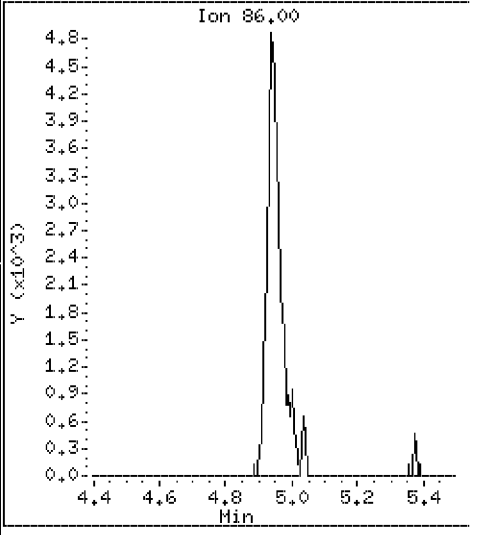
24 Vinyl Acetate

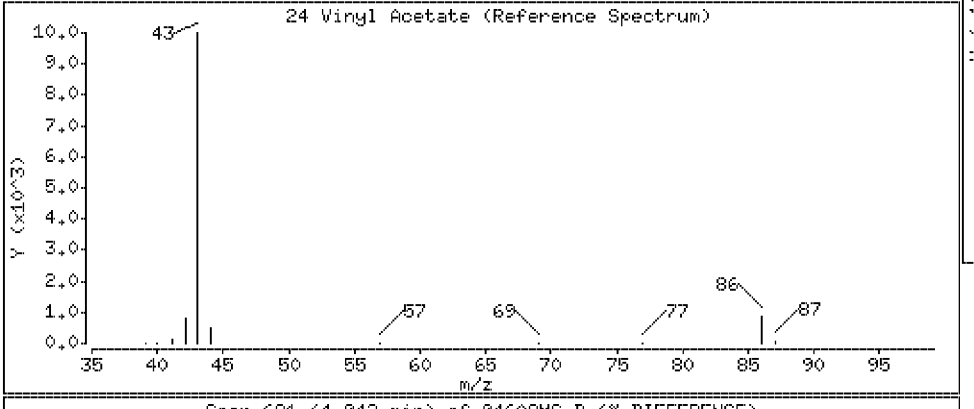
Concentration: 17.6 ug/l

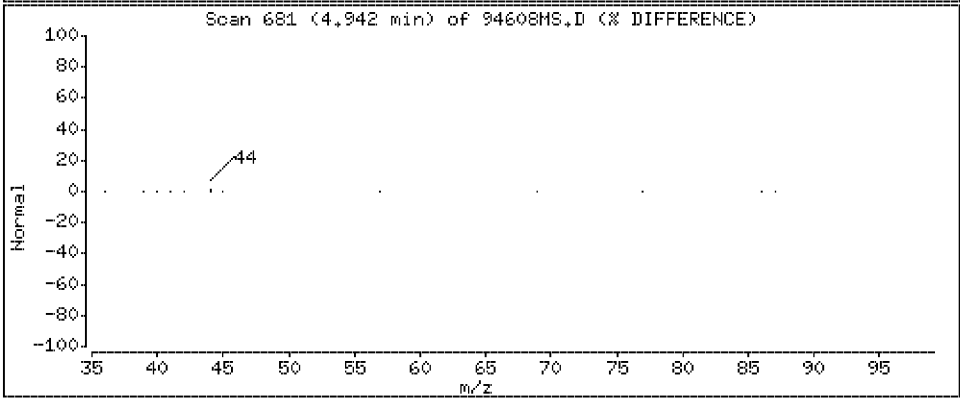












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

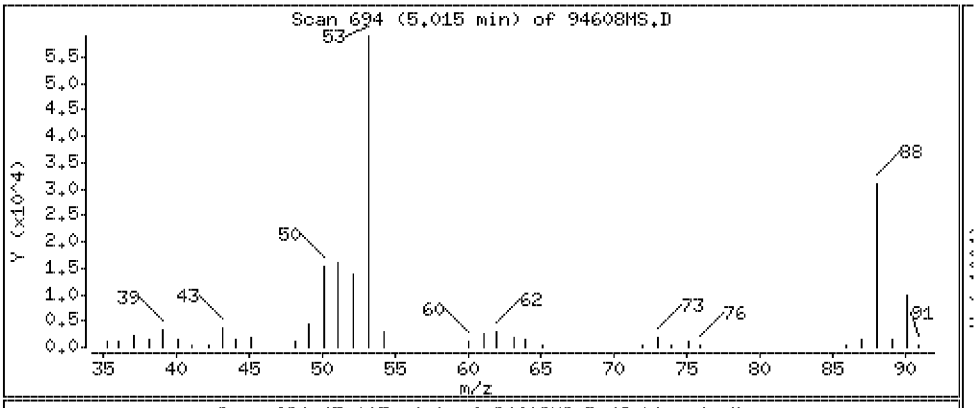
Operator:

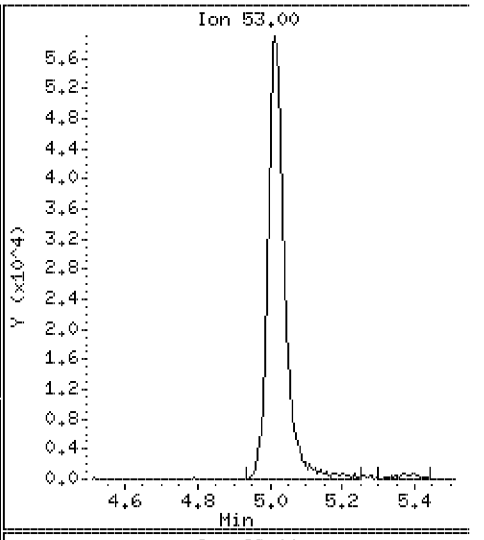
Column phase: DB-624

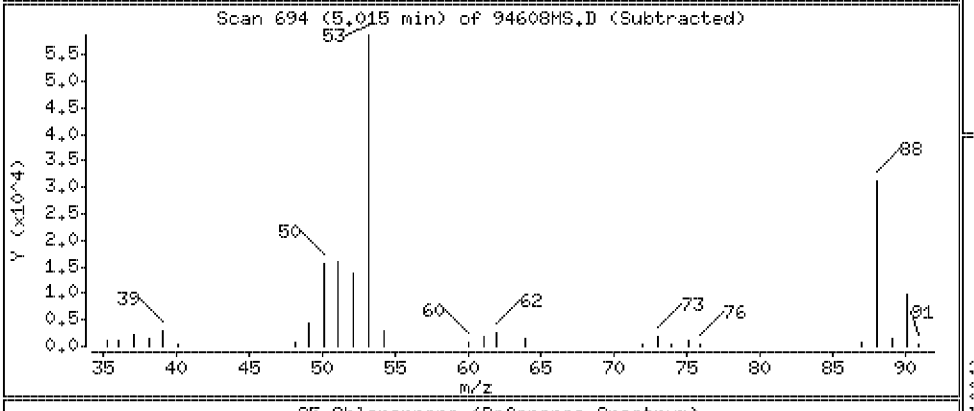
Column diameter: 0.18

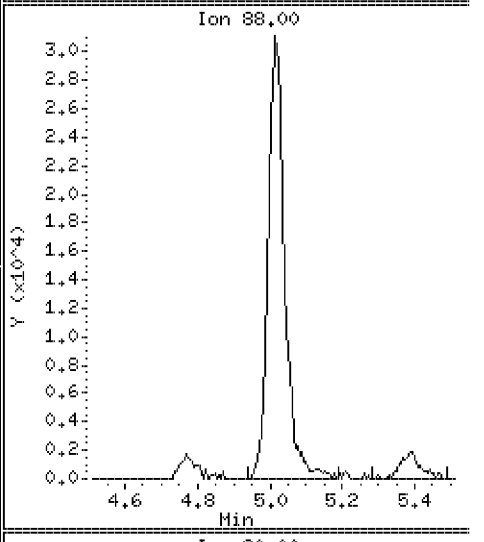
25 Chloroprene

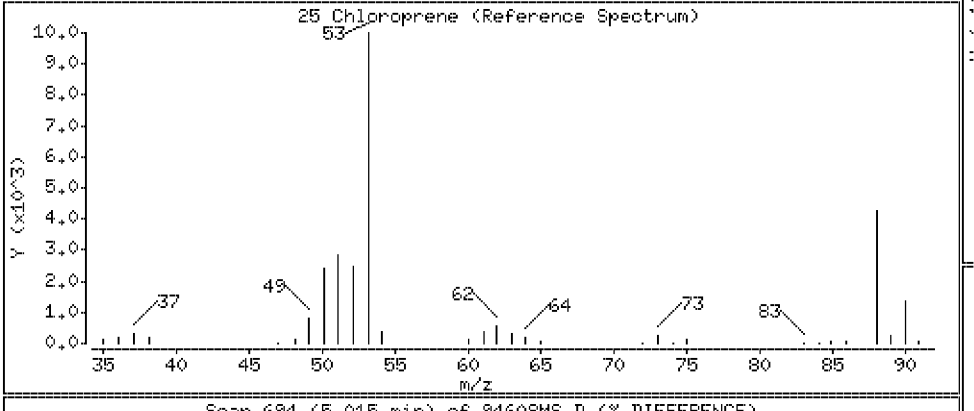
Concentration: 21.5 ug/l

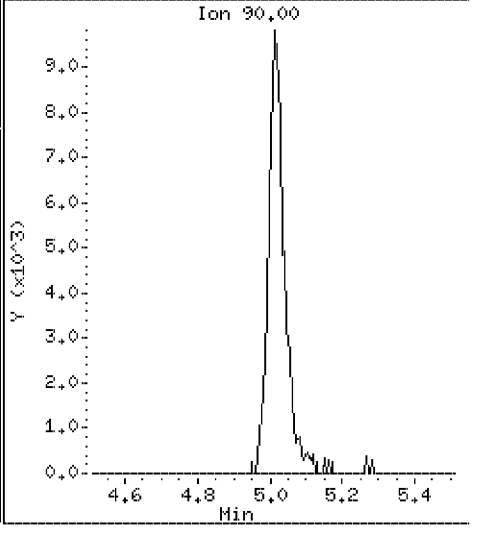


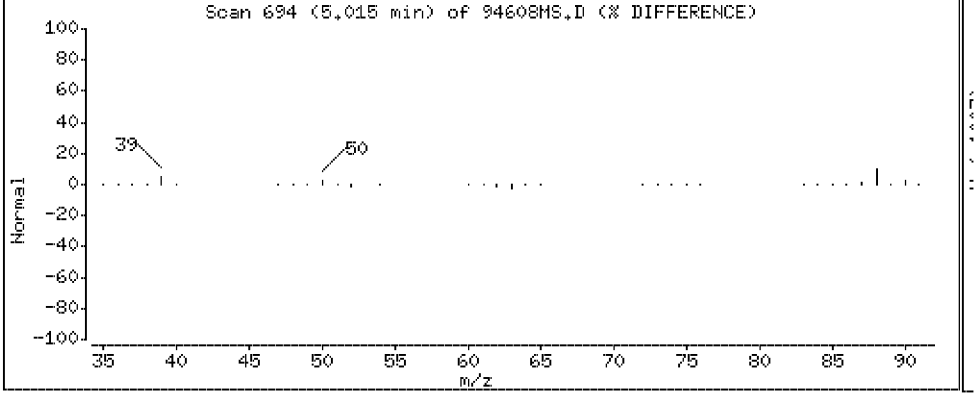












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Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

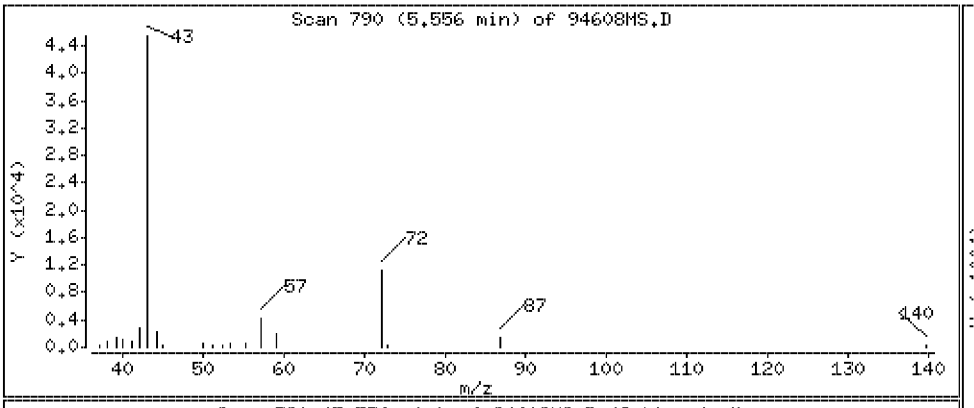
Operator:

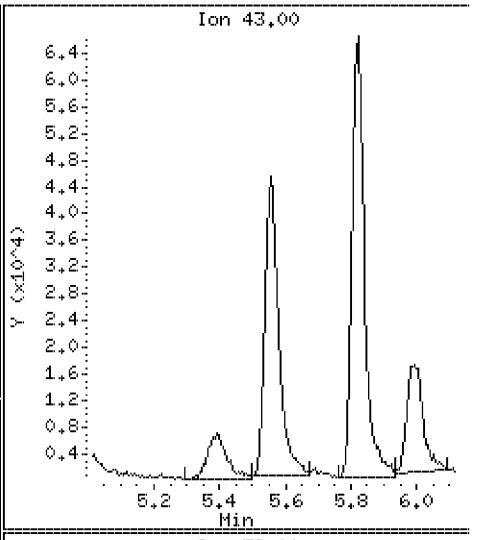
Column phase: DB-624

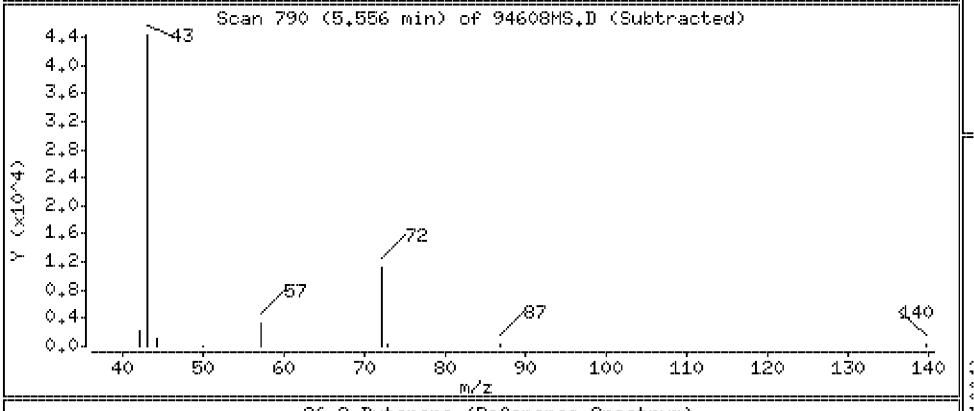
Column diameter: 0.18

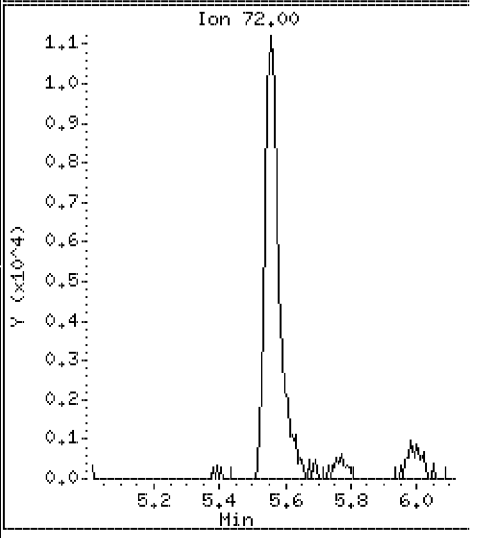
26 2-Butanone

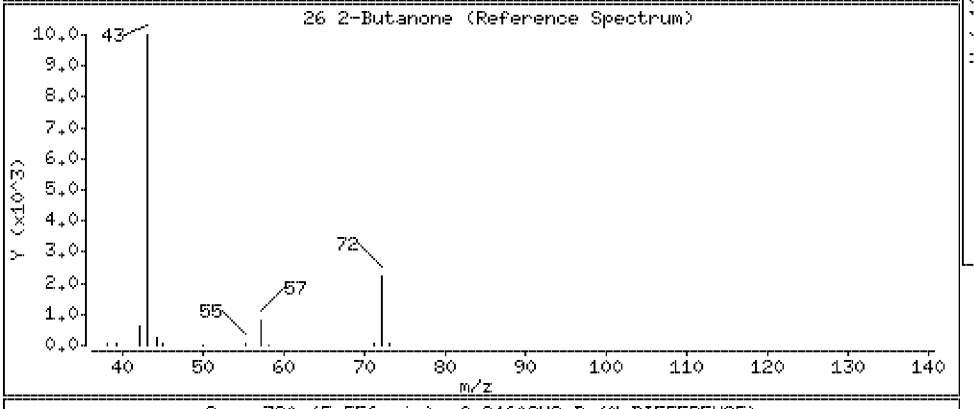
Concentration: 51.5 ug/l

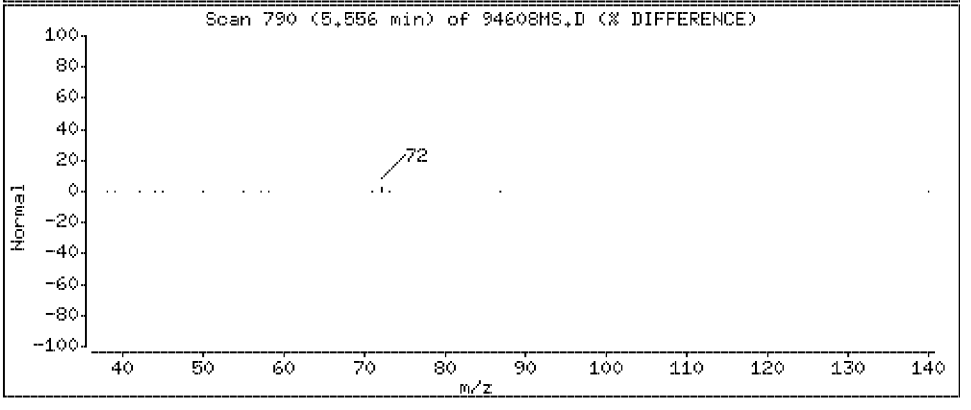












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

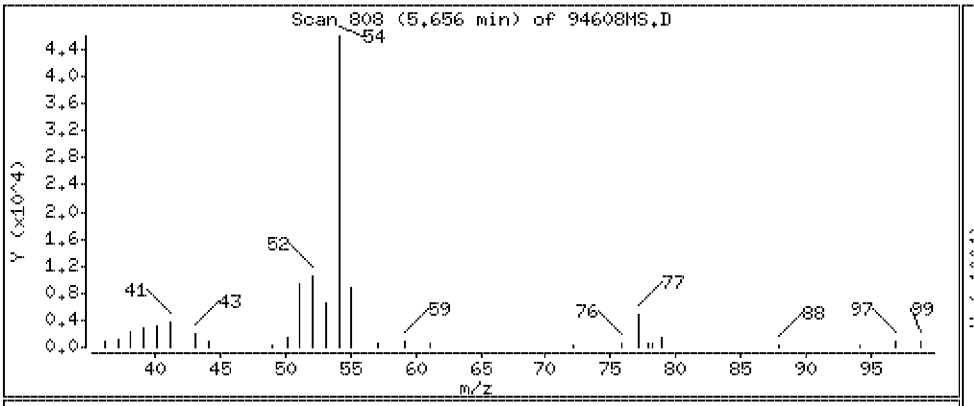
Operator:

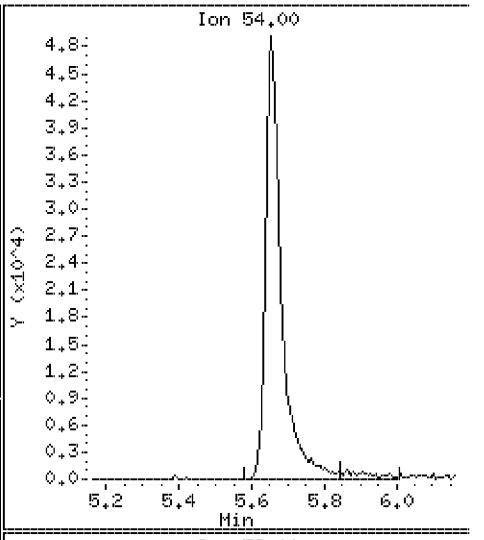
Column phase: DB-624

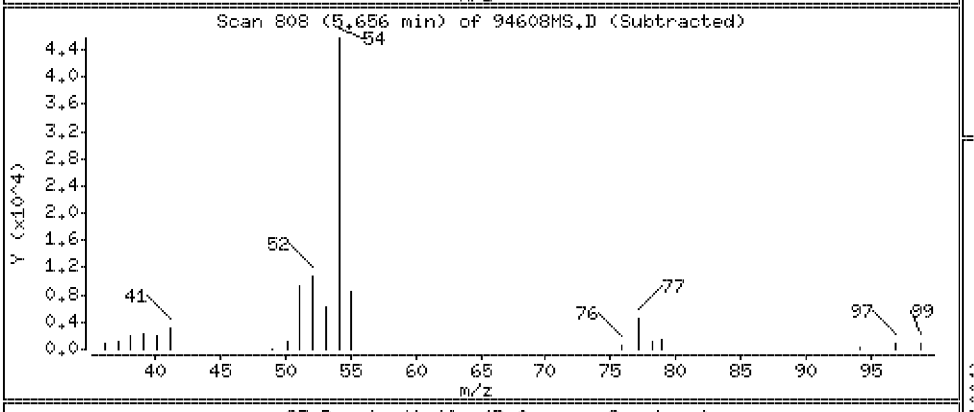
Column diameter: 0.18

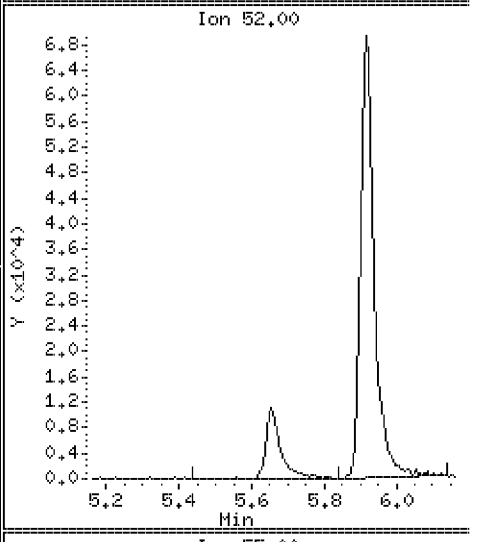
27 Propionitrile

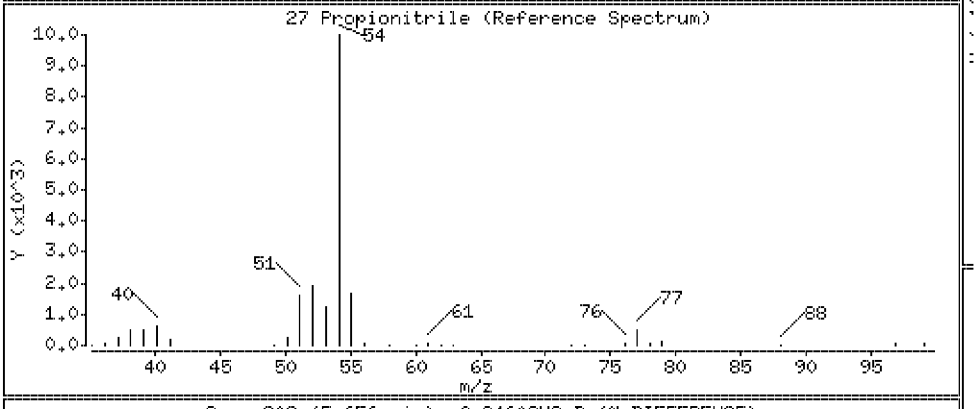
Concentration: 179 ug/l

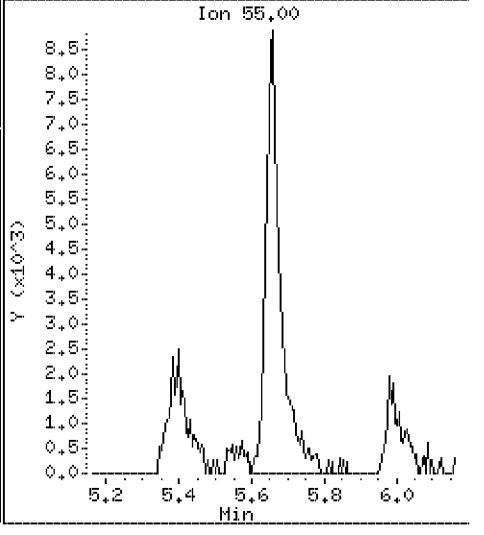


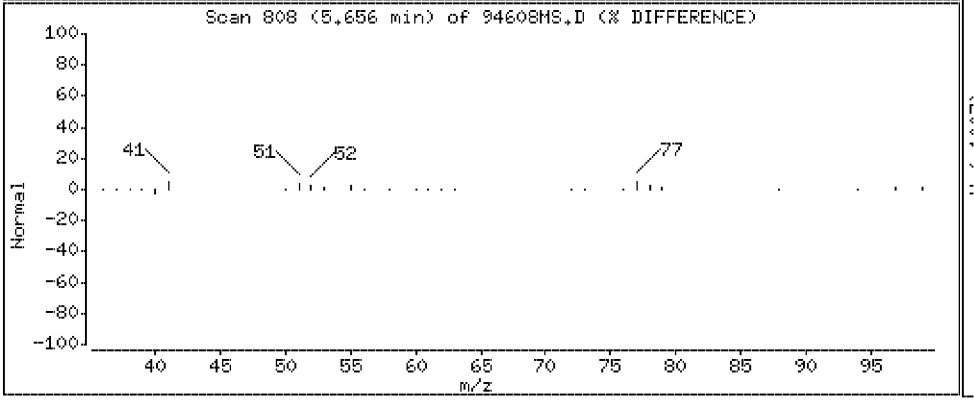












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

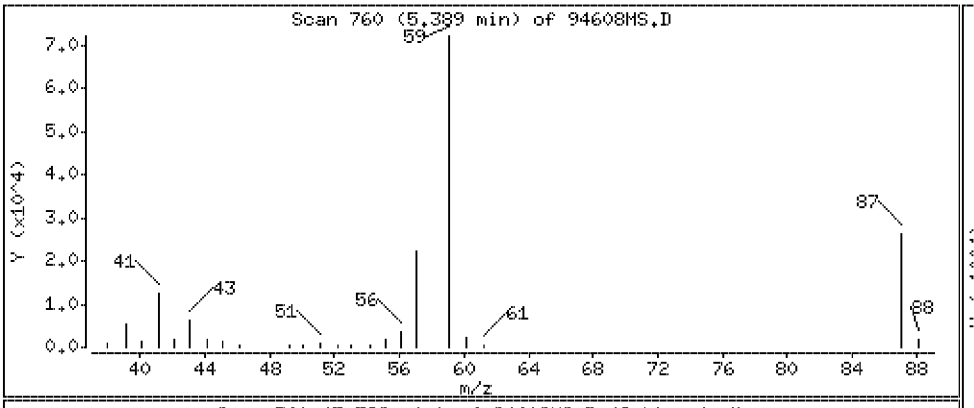
Operator:

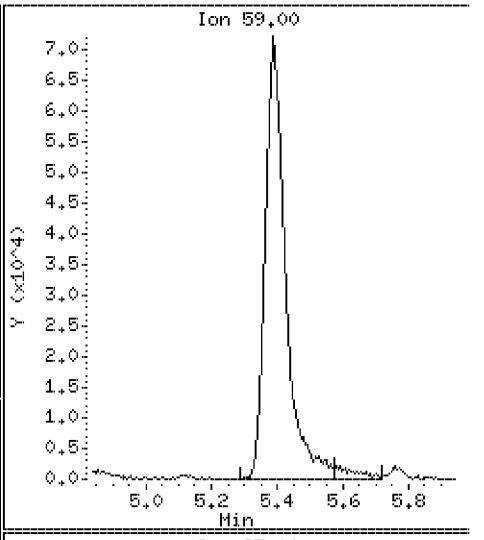
Column phase: DB-624

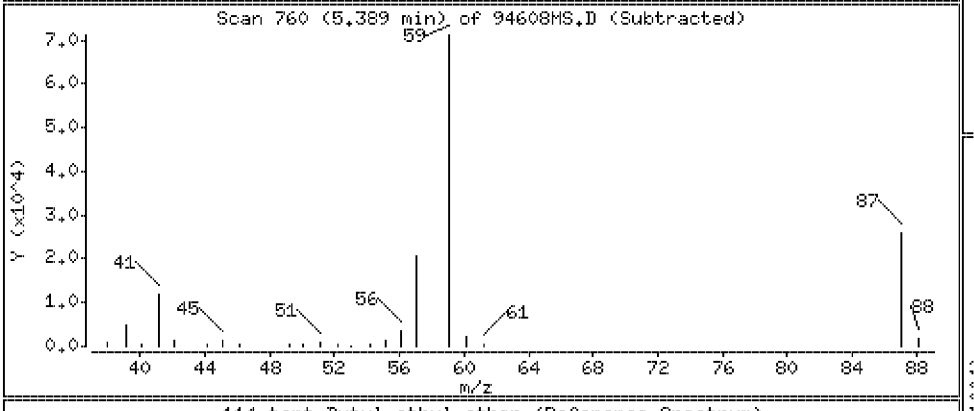
Column diameter: 0.18

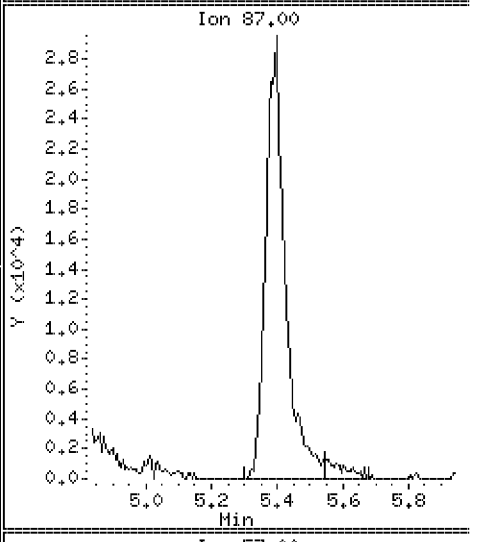
114 tert-Butyl ethyl ether

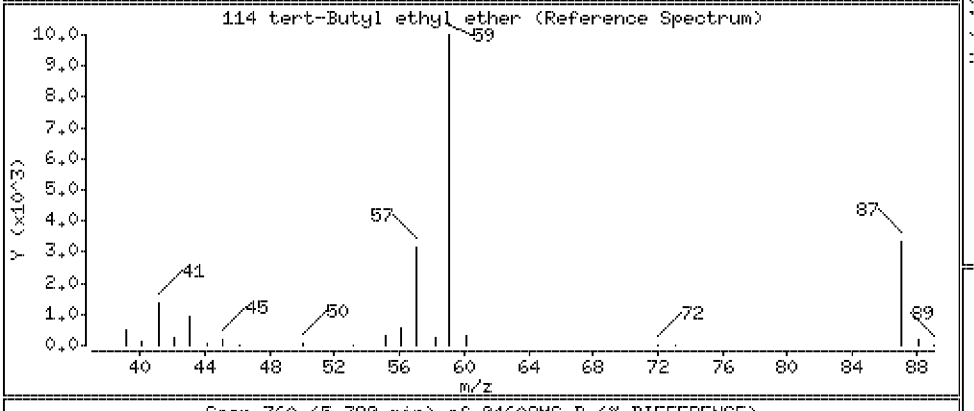
Concentration: 15.2 ug/l

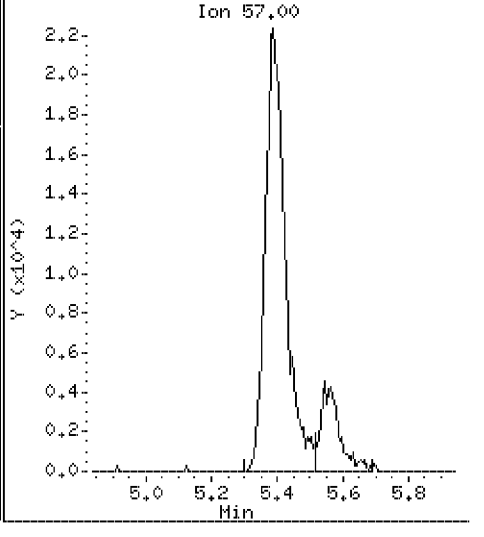


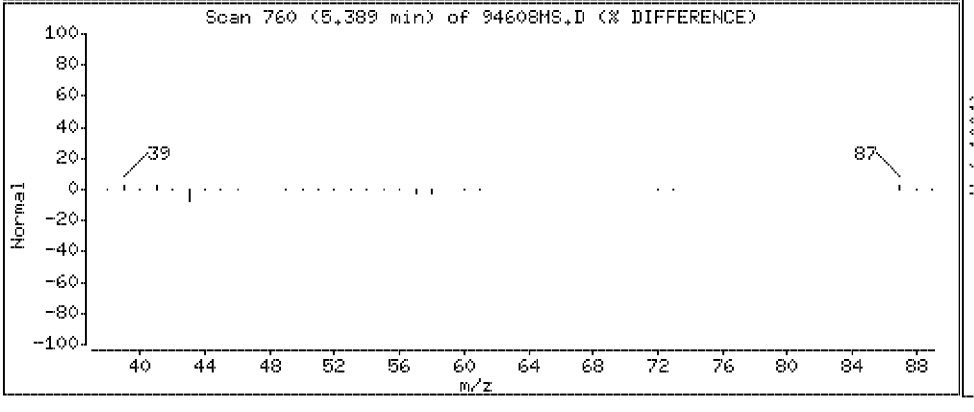












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Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

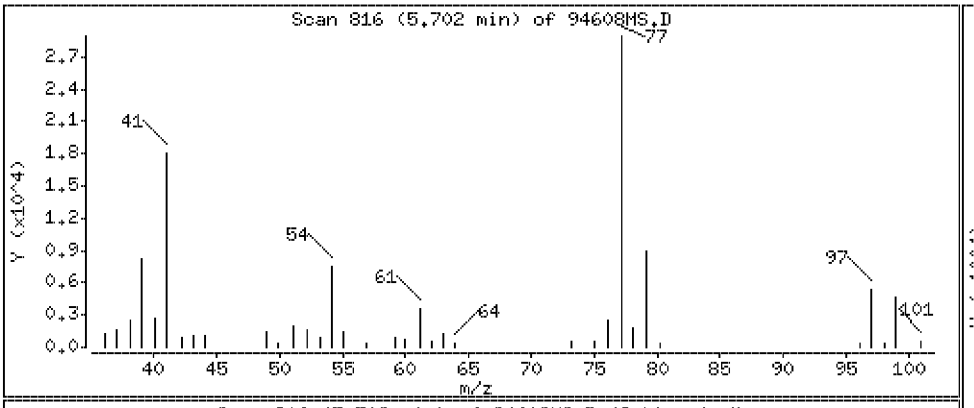
Operator:

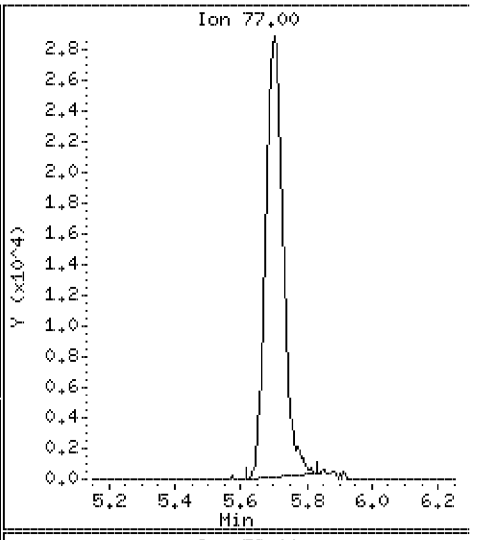
Column phase: DB-624

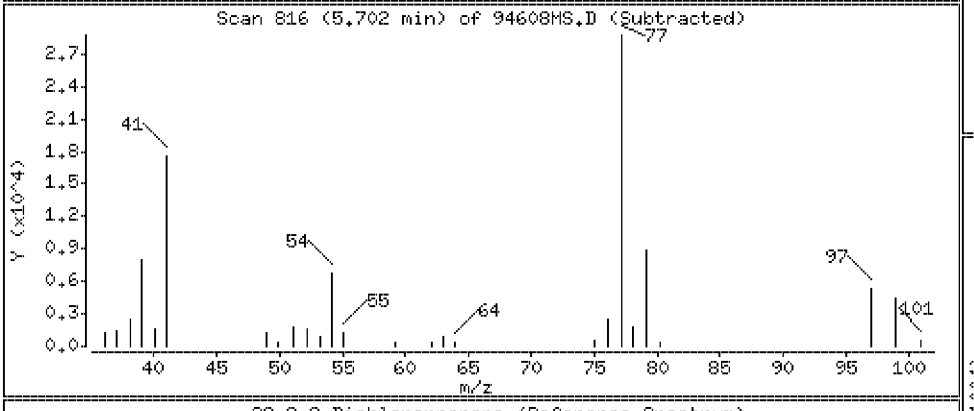
Column diameter: 0.18

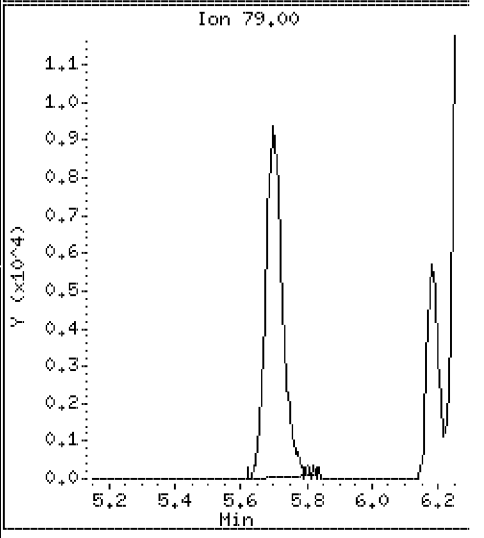
28 2,2-Dichloropropane

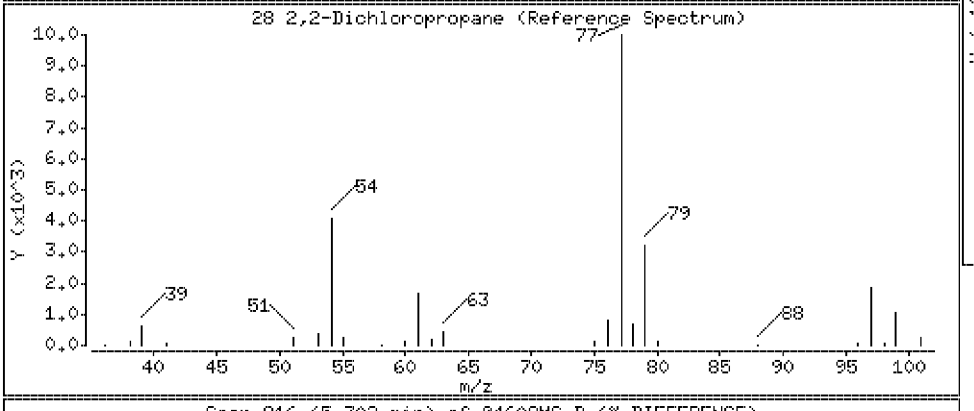
Concentration: 24.9 ug/l

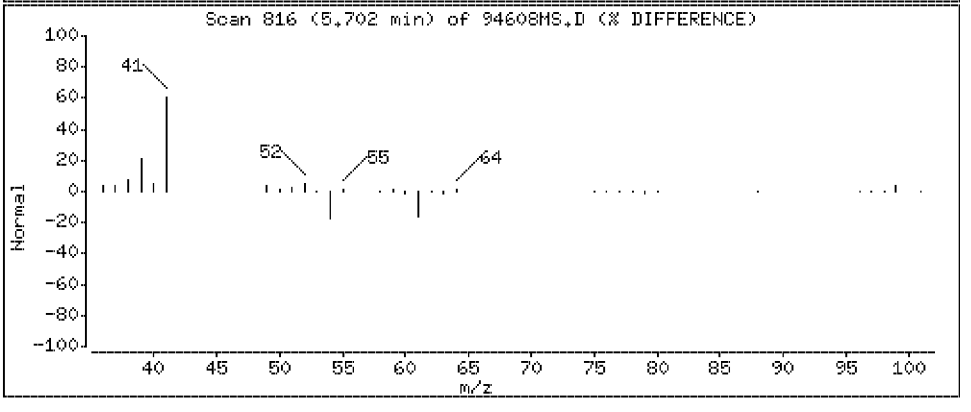












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

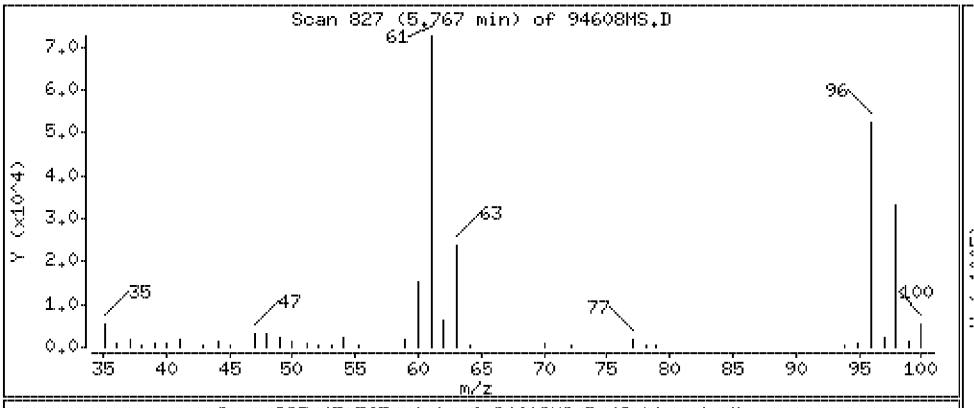
Operator:

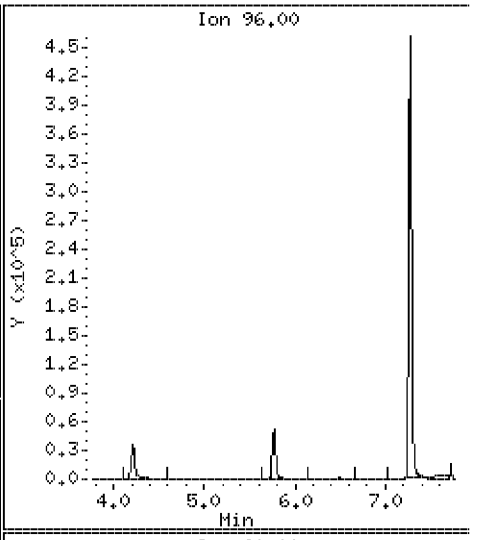
Column phase: DB-624

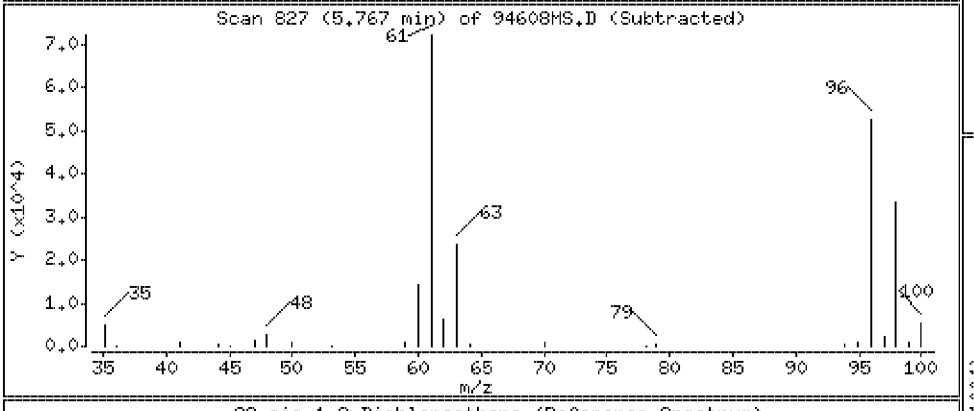
Column diameter: 0.18

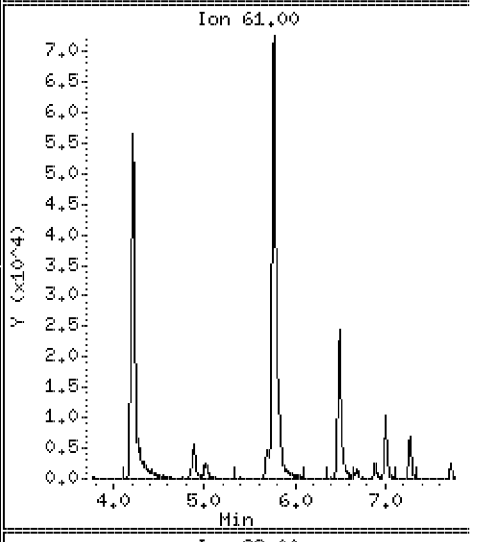
29 cis-1,2-Dichloroethene

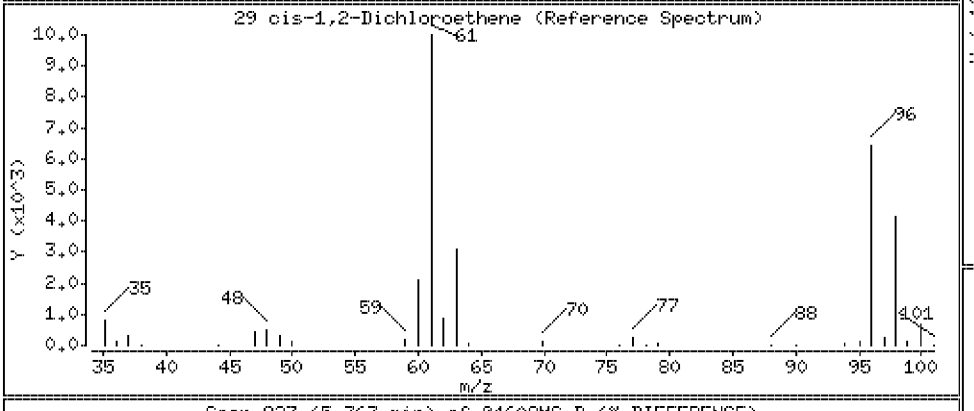
Concentration: 21.8 ug/l

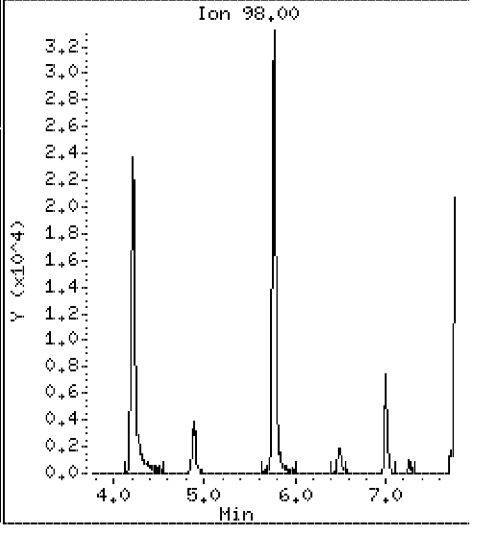


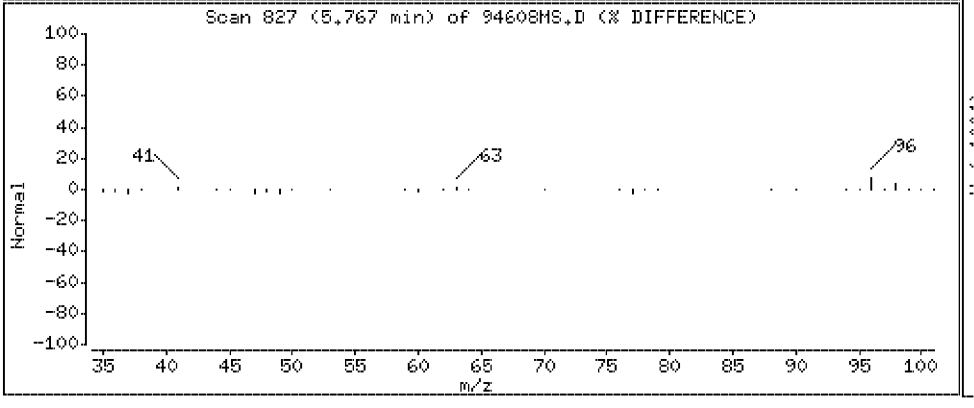












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

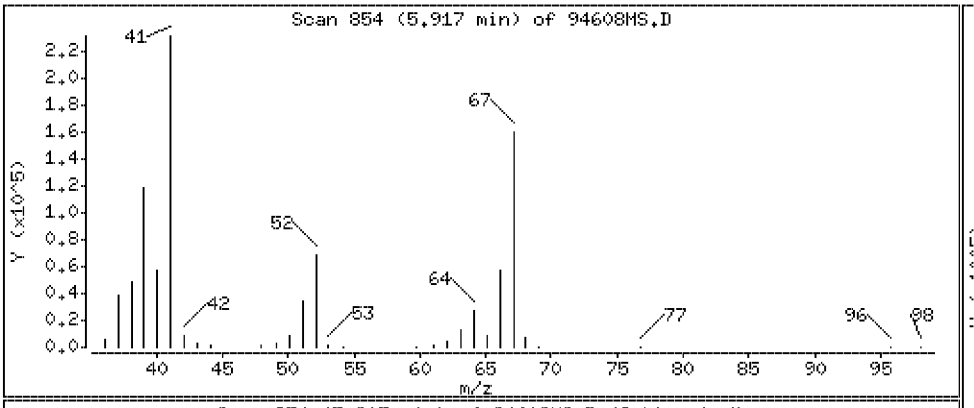
Operator:

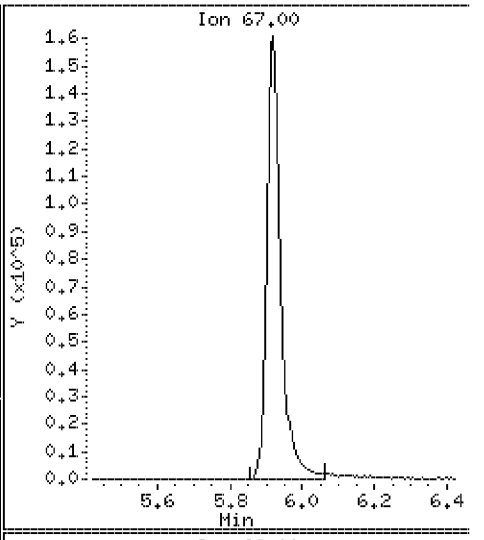
Column phase: DB-624

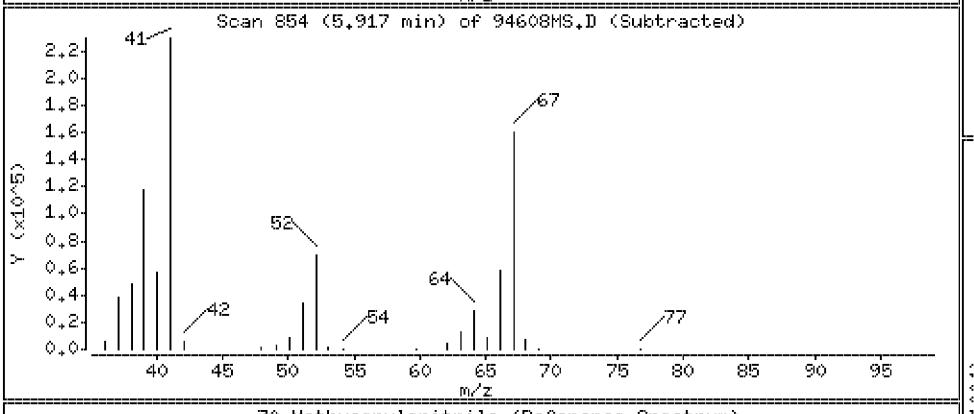
Column diameter: 0.18

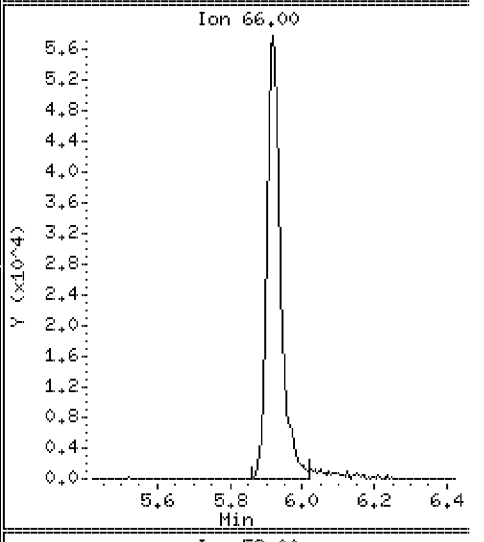
30 Methyacrylonitrile

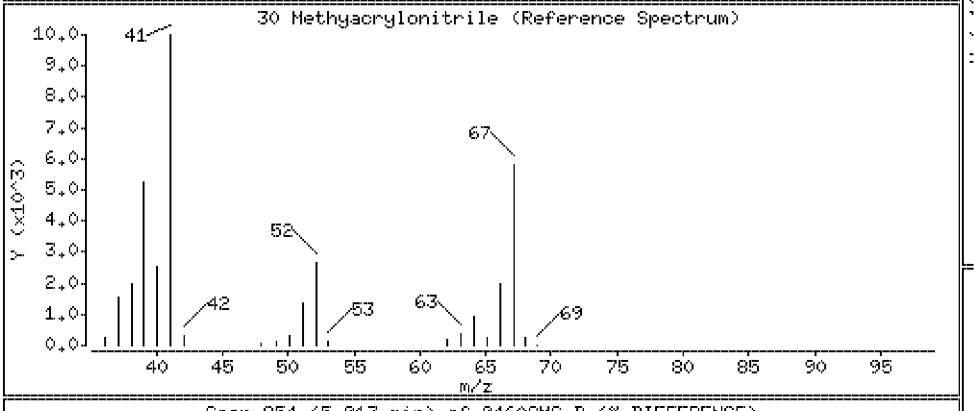
Concentration: 198 ug/l

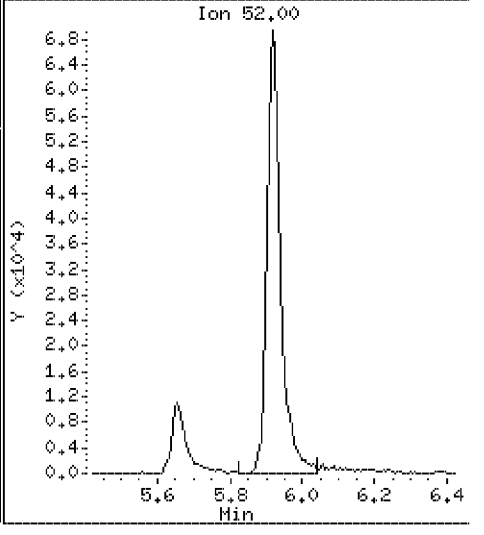


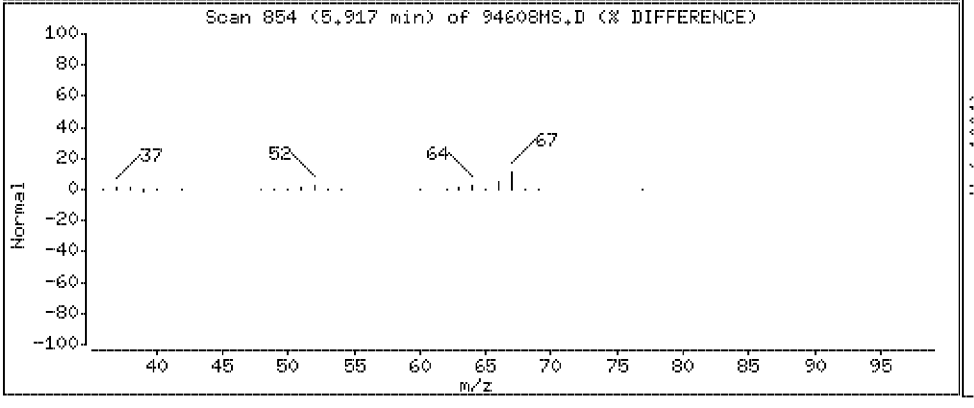












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

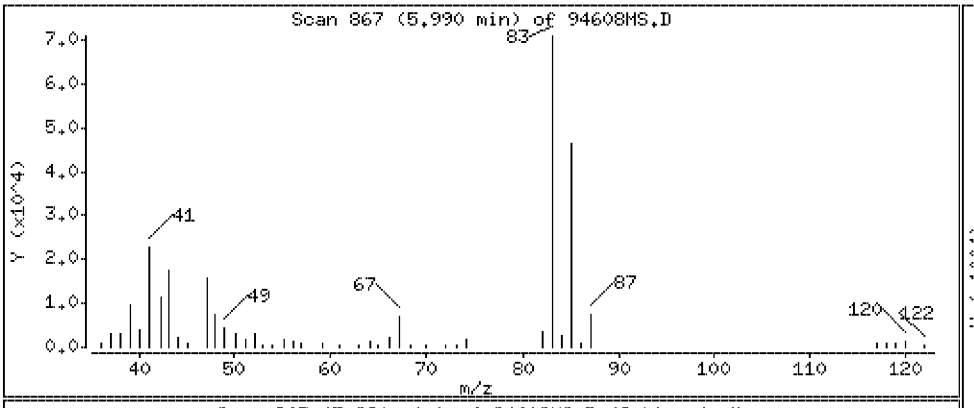
Operator:

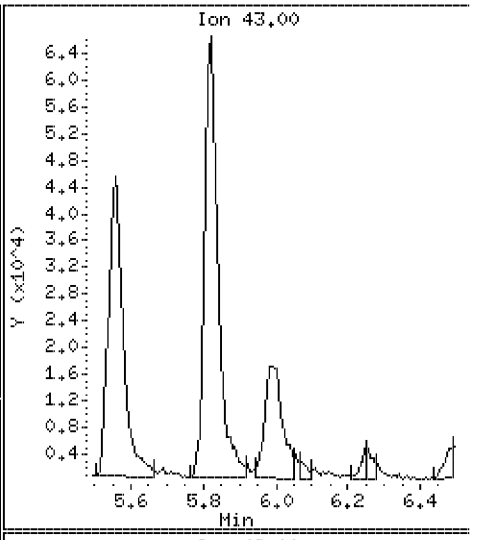
Column phase: DB-624

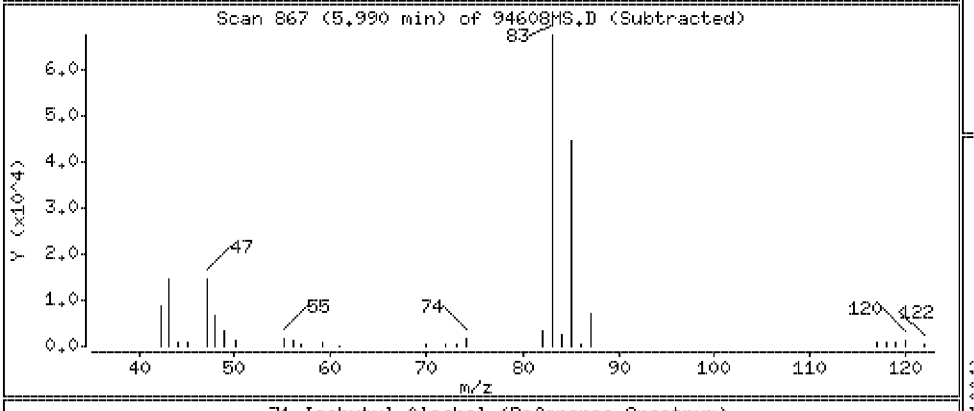
Column diameter: 0.18

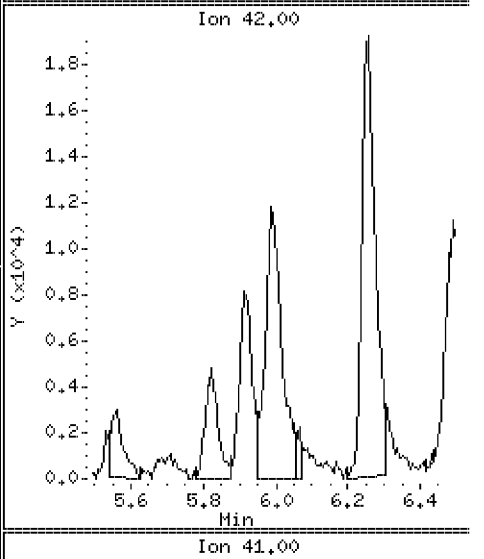
31 Isobutyl Alcohol

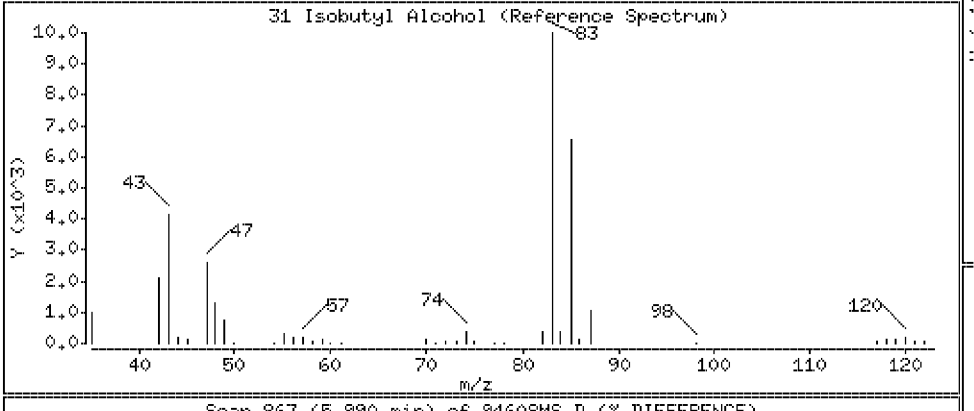
Concentration: 263 ug/l

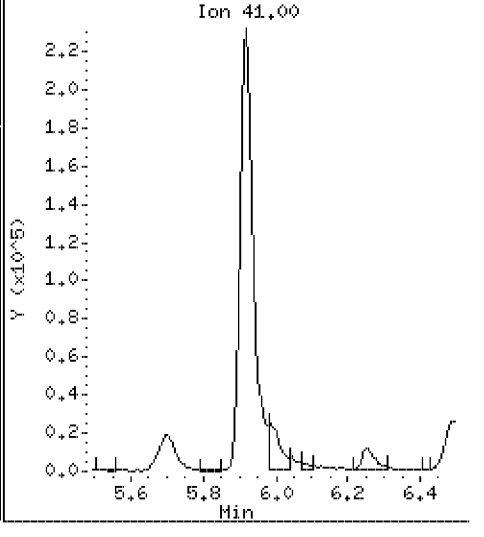


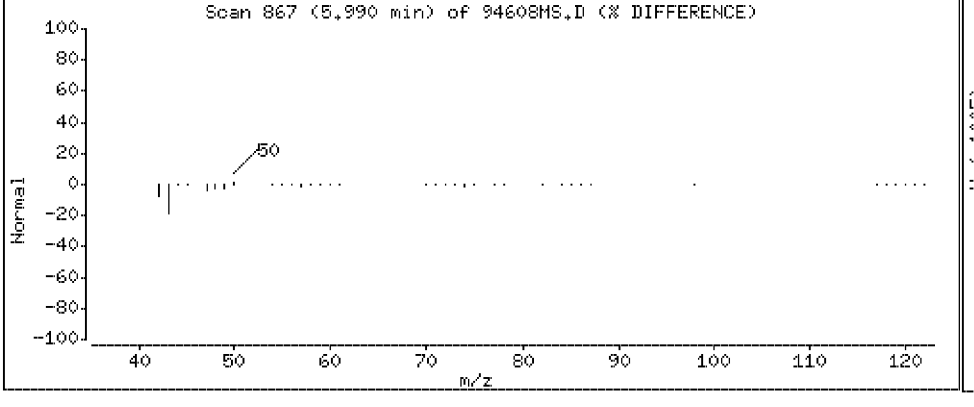












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

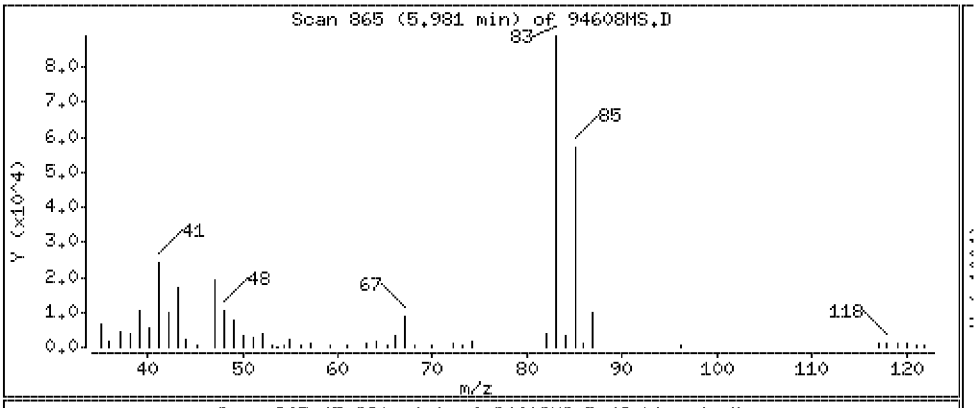
Operator:

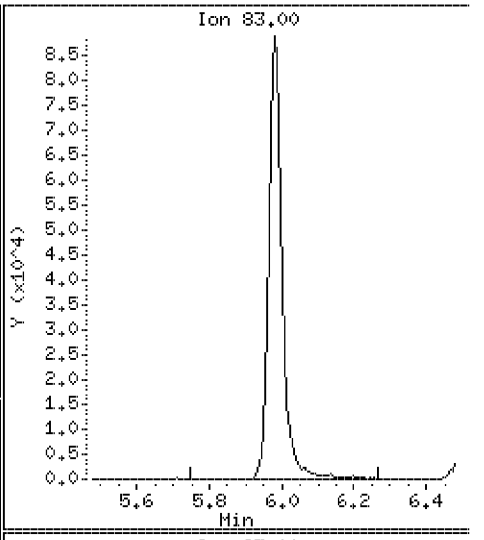
Column phase: DB-624

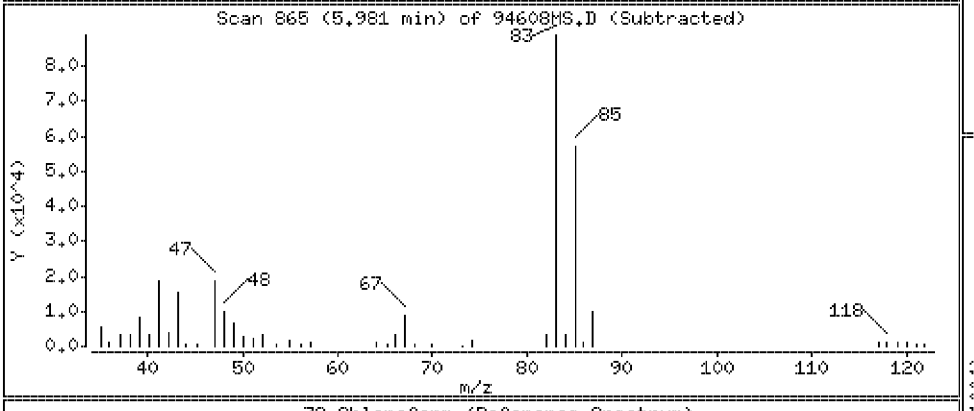
Column diameter: 0.18

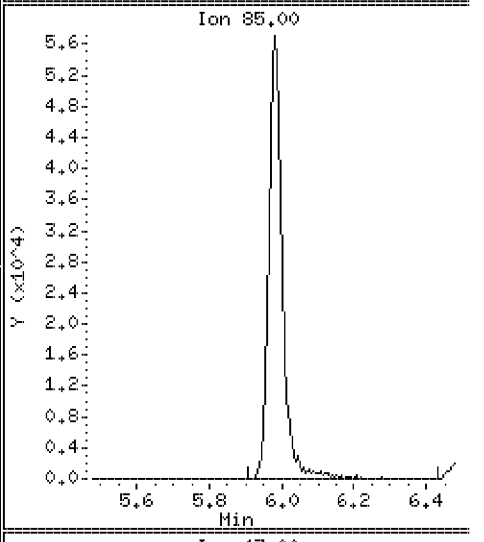
32 Chloroform

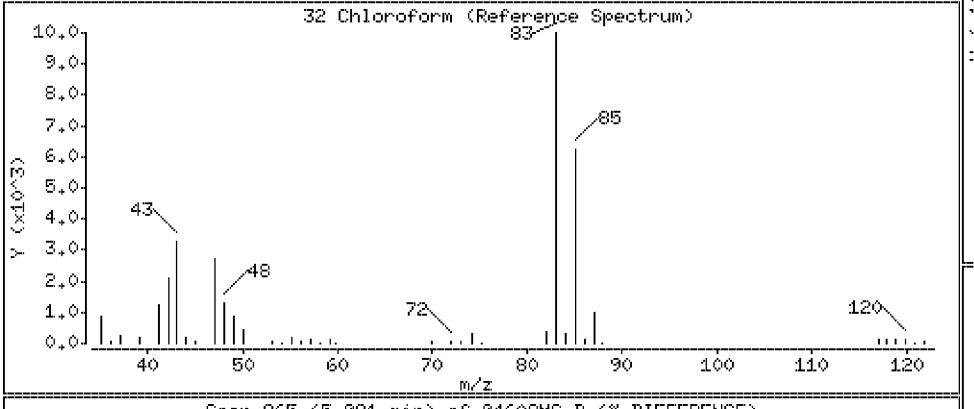
Concentration: 22.0 ug/l

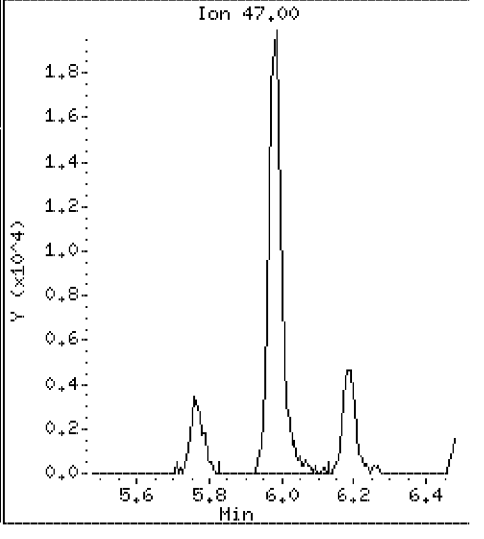


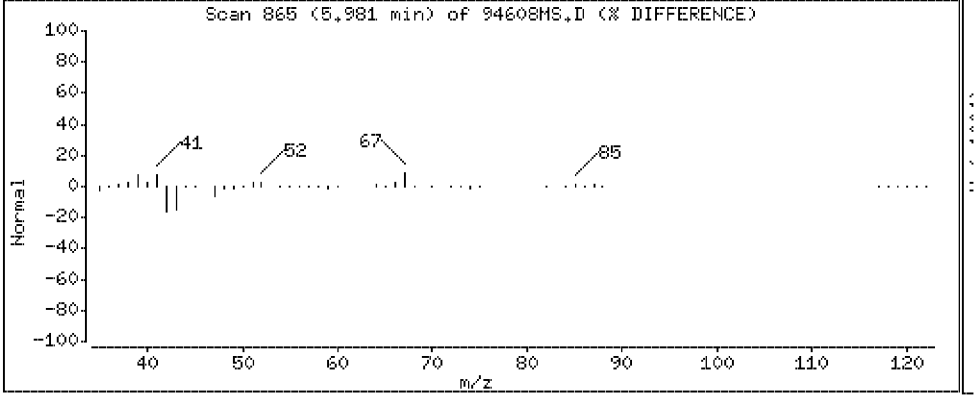












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

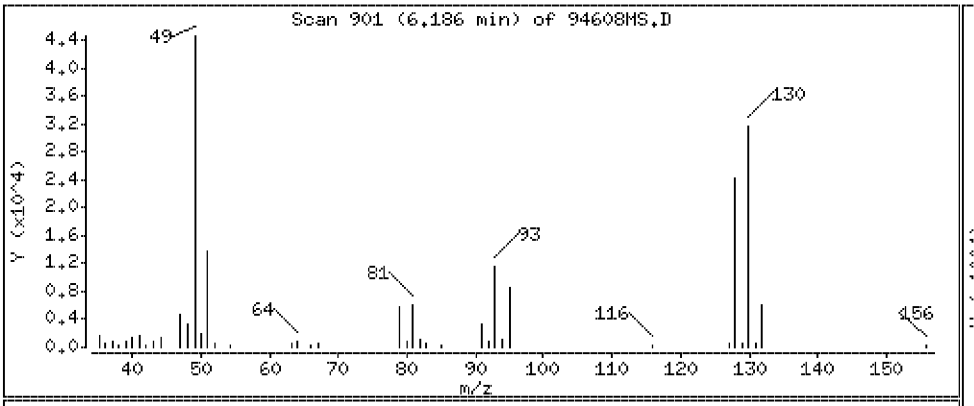
Operator:

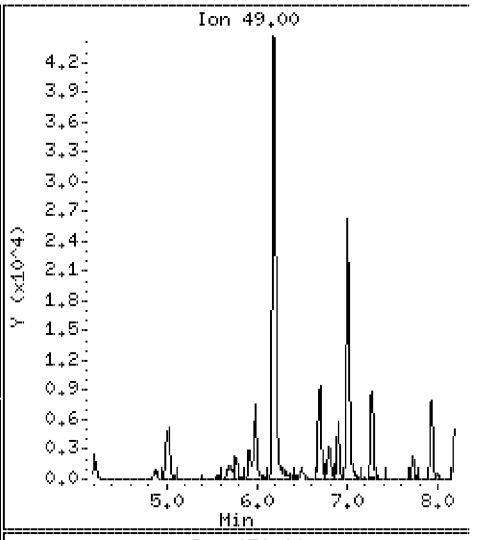
Column phase: DB-624

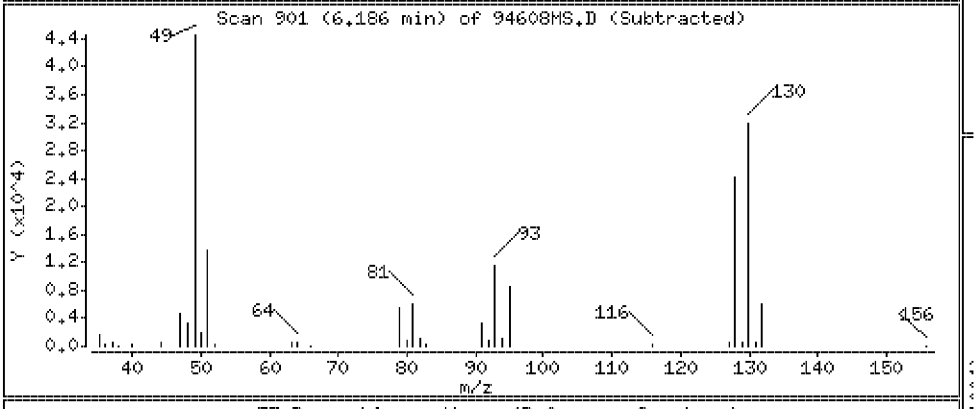
Column diameter: 0.18

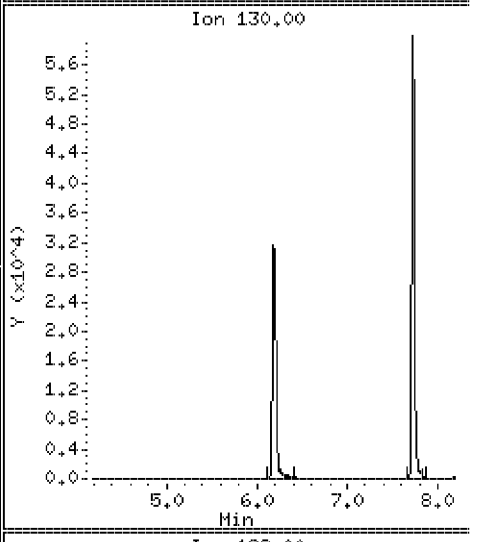
33 Bromochloromethane

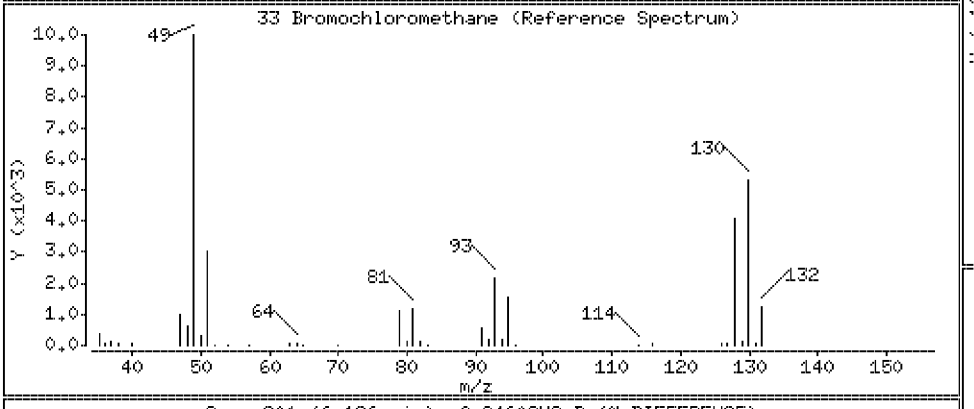
Concentration: 19.1 ug/l

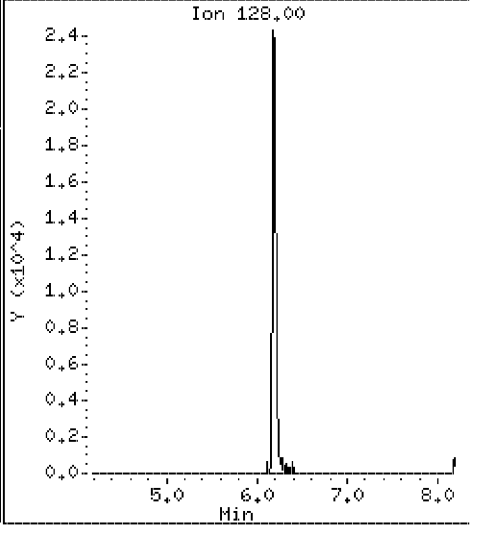


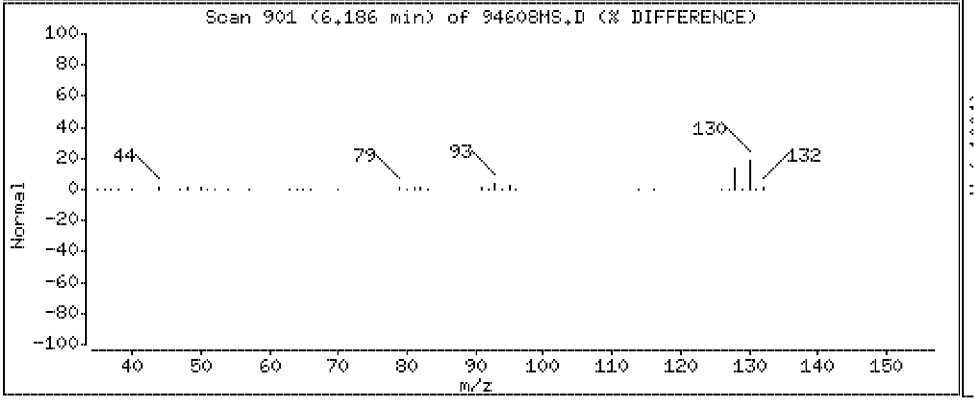












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

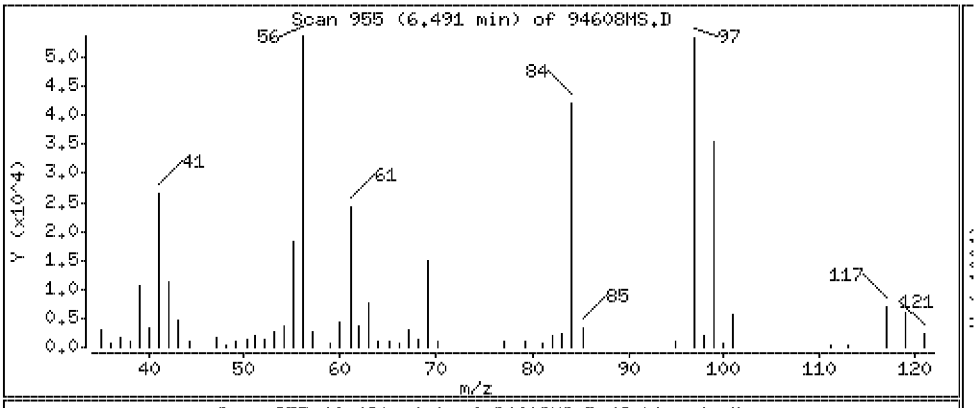
Operator:

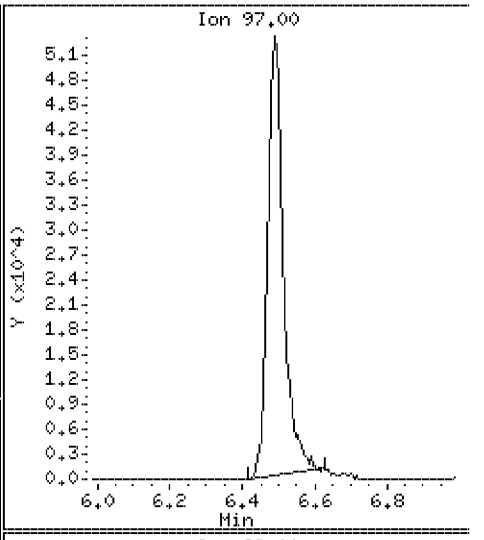
Column phase: DB-624

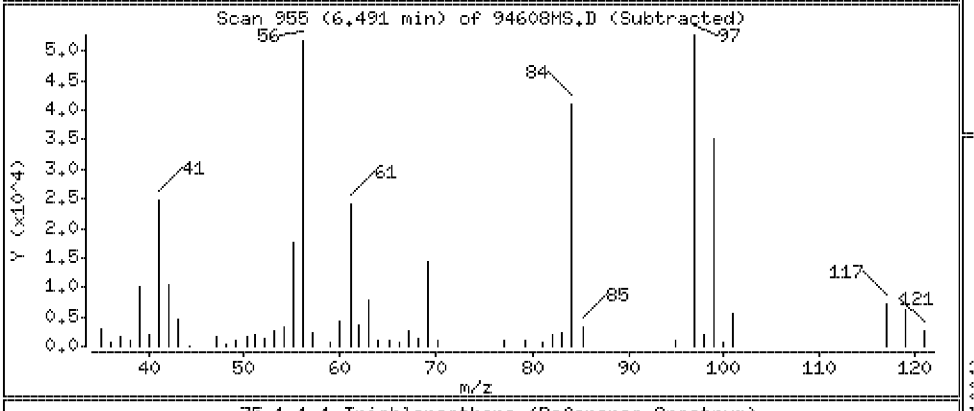
Column diameter: 0.18

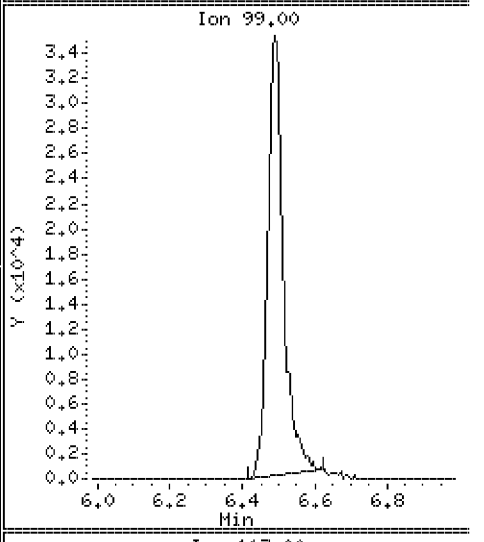
35 1,1,1-Trichloroethane

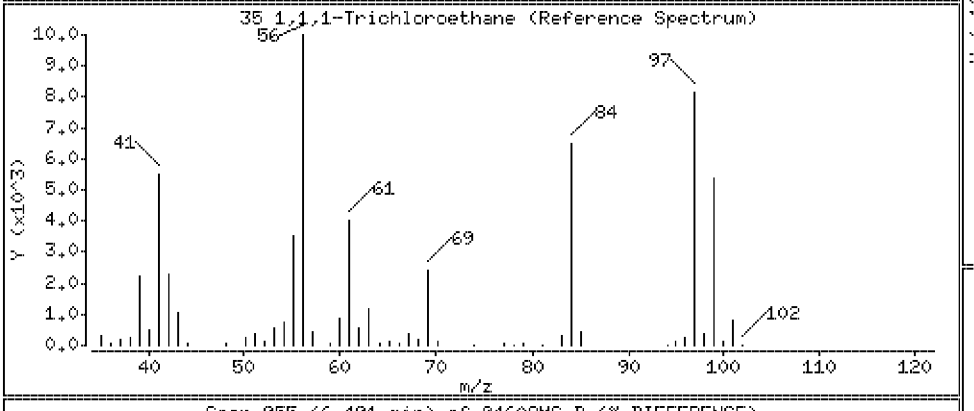
Concentration: 23.3 ug/l

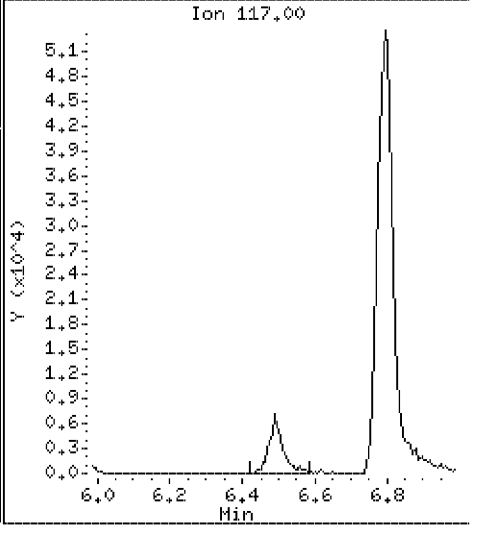


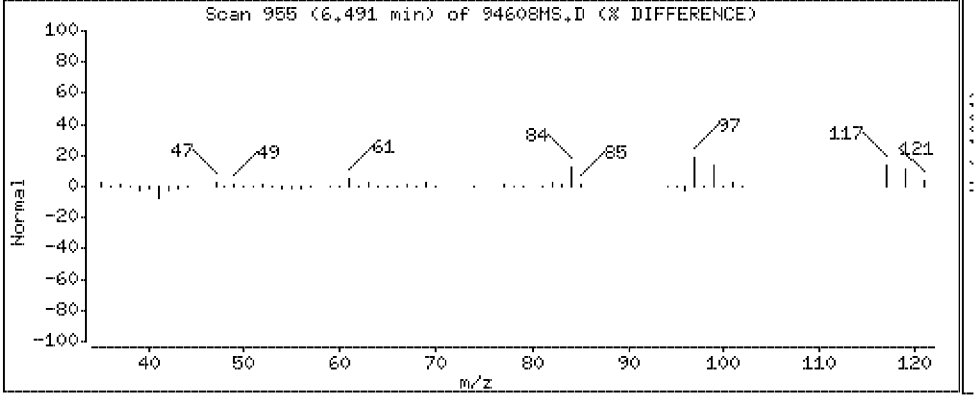












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

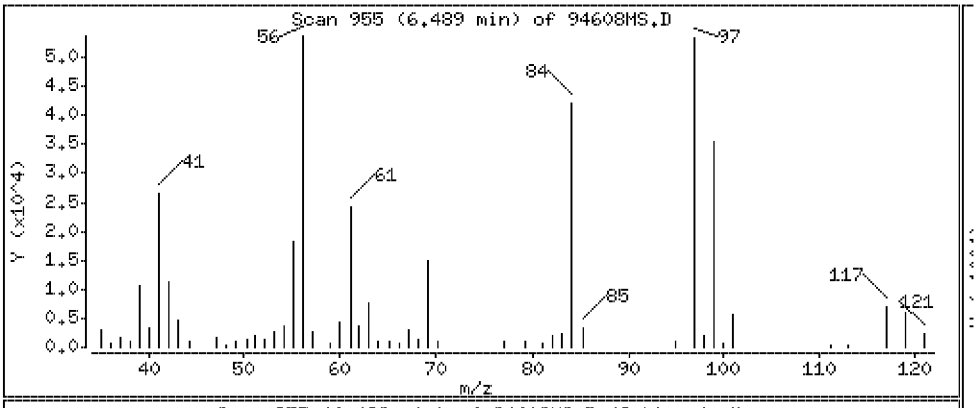
Operator:

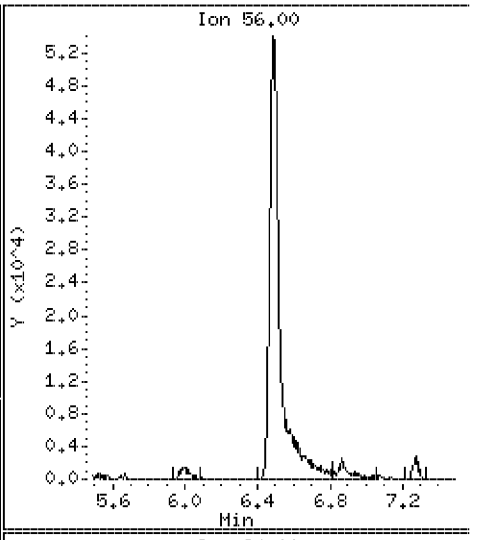
Column phase: DB-624

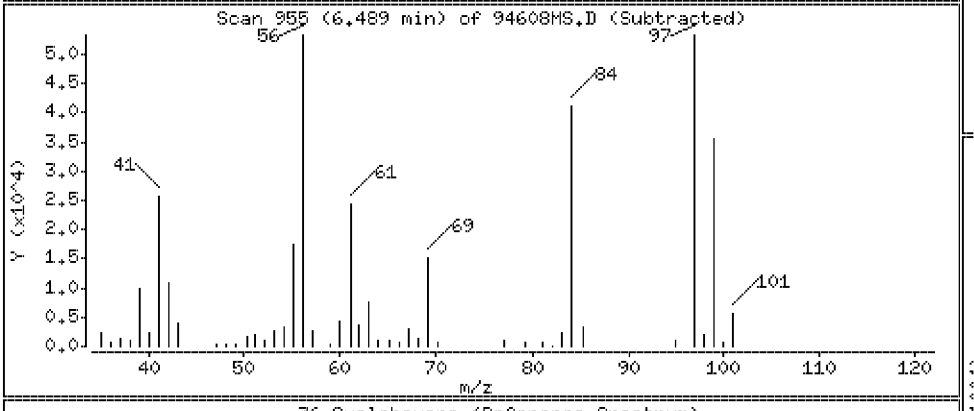
Column diameter: 0.18

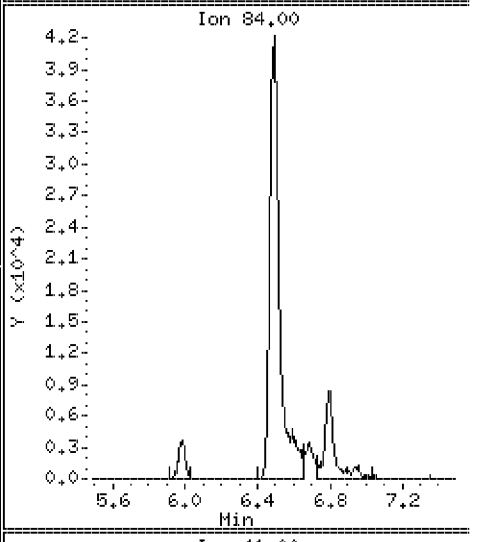
36 Cyclohexane

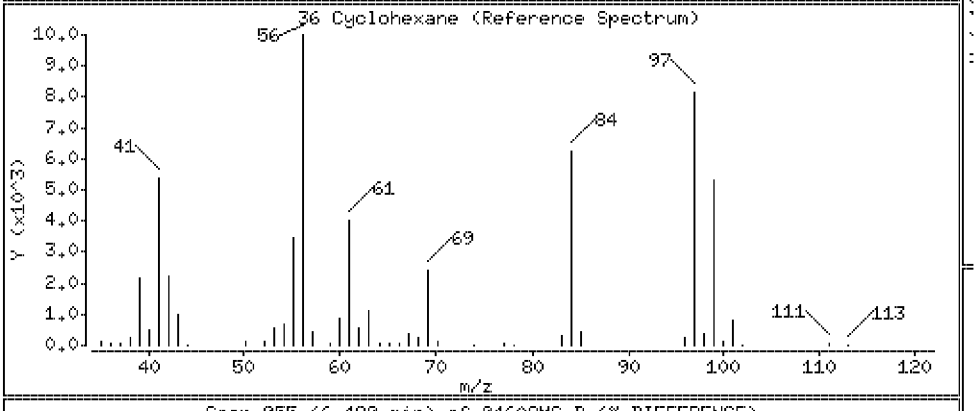
Concentration: 20.0 ug/l

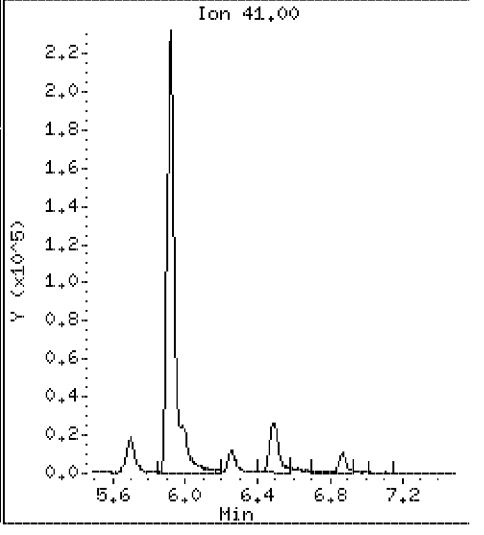


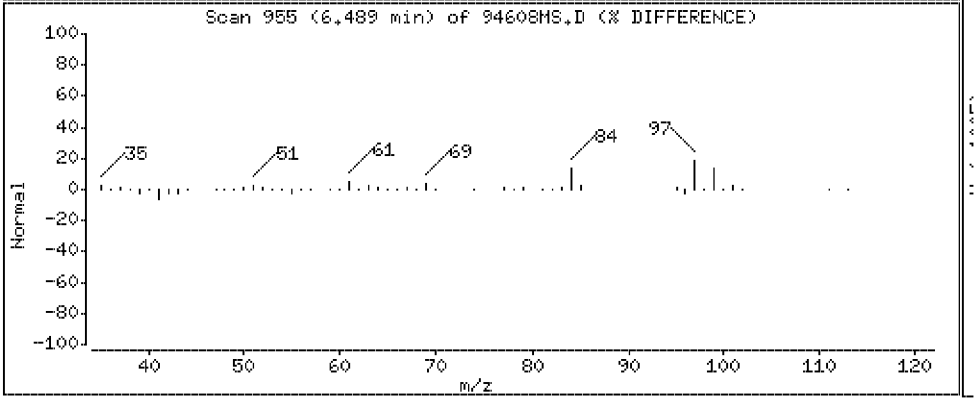












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

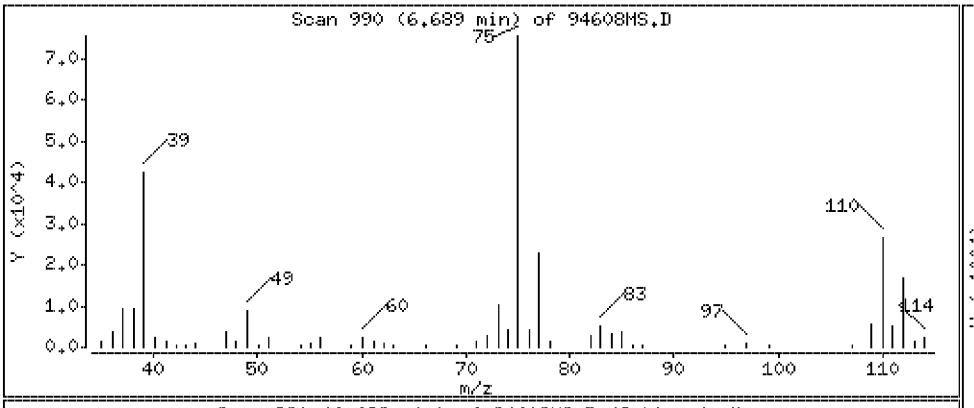
Operator:

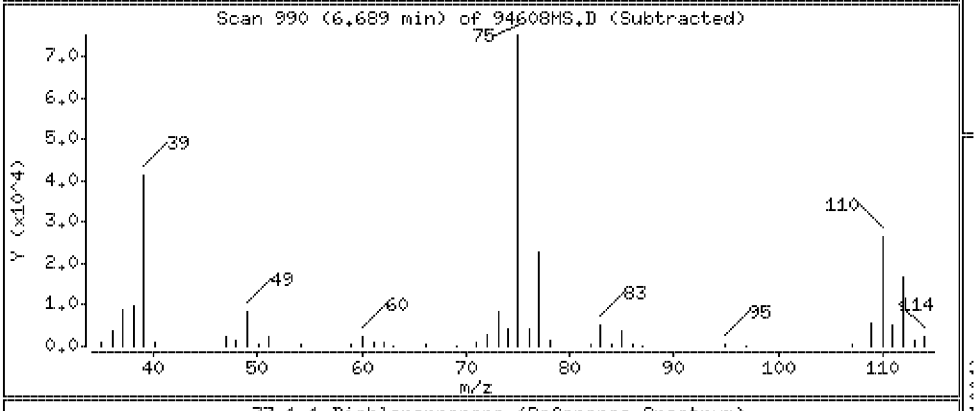
Column phase: DB-624

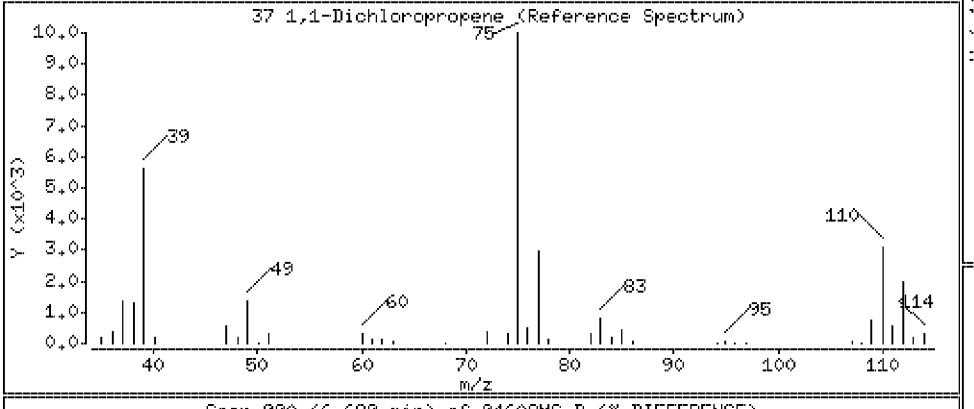
Column diameter: 0.18

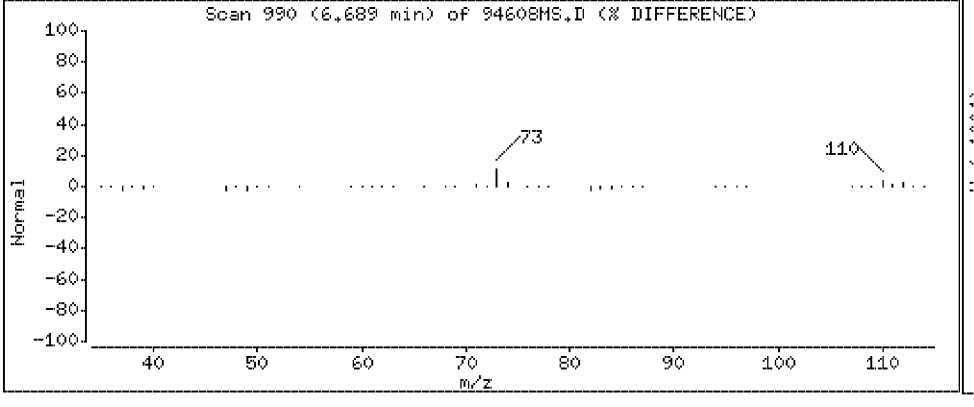
37 1,1-Dichloropropene

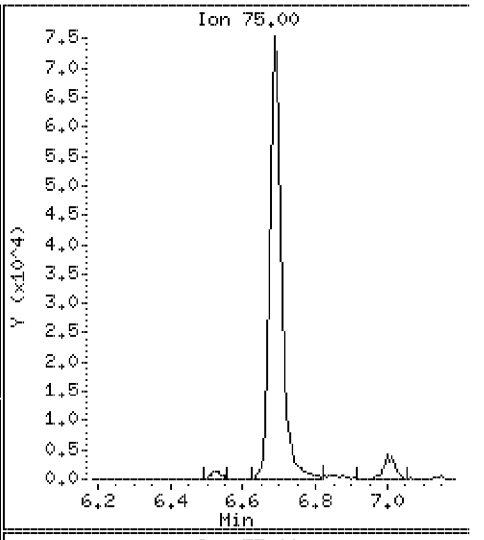
Concentration: 22.3 ug/l

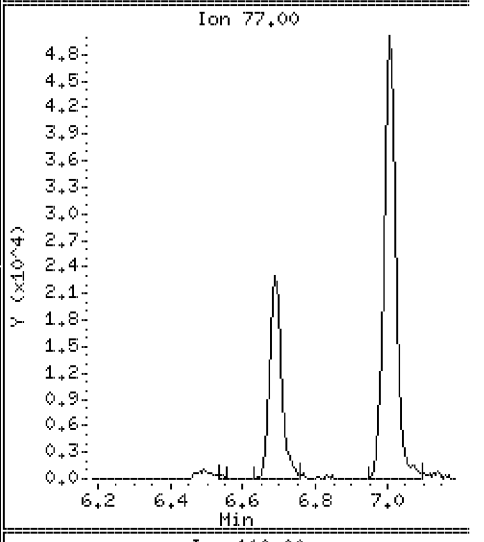


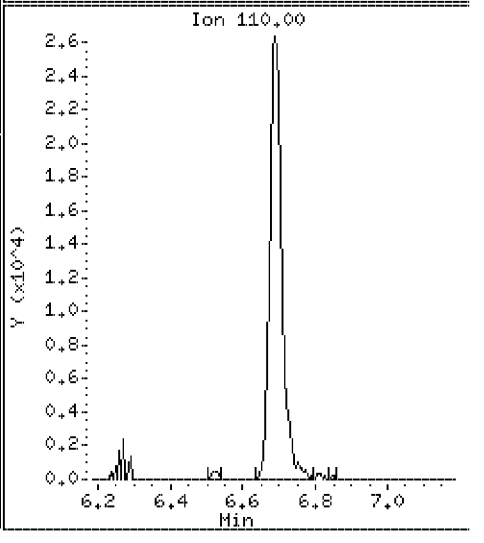












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

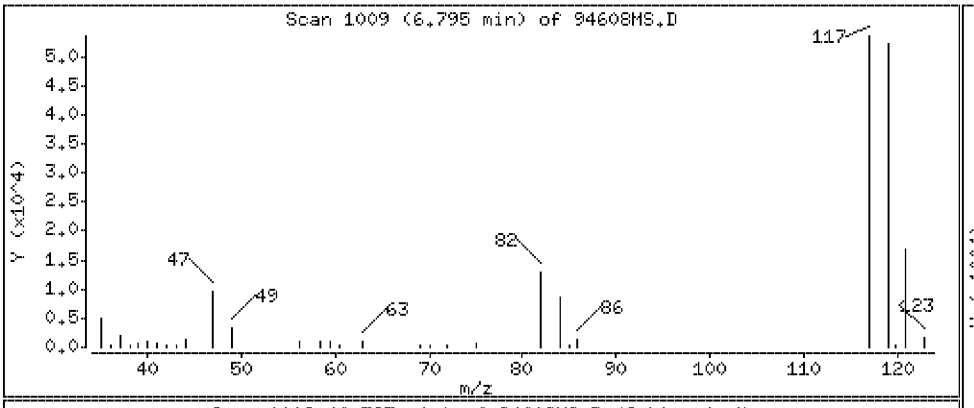
Operator:

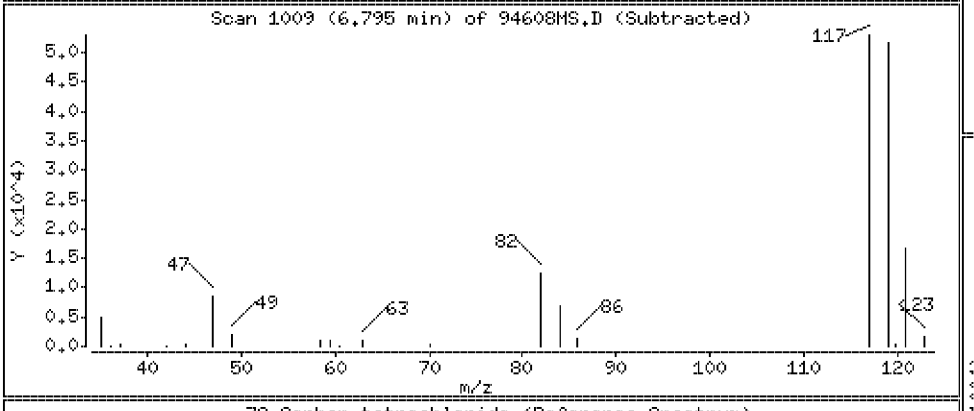
Column phase: DB-624

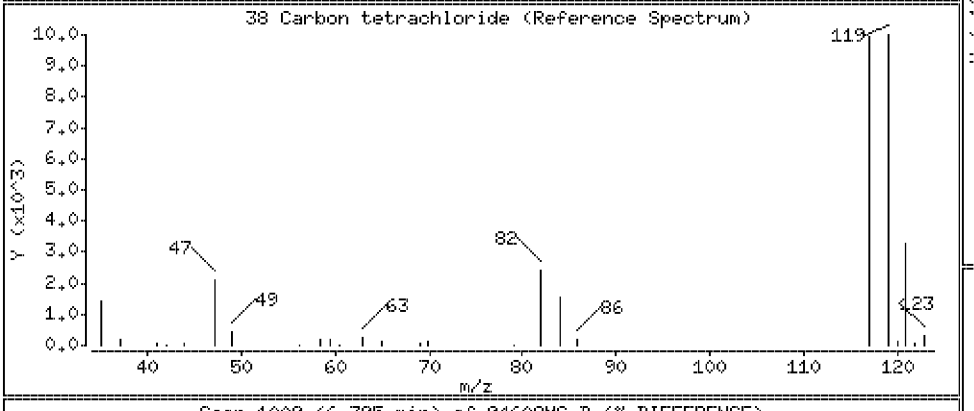
Column diameter: 0.18

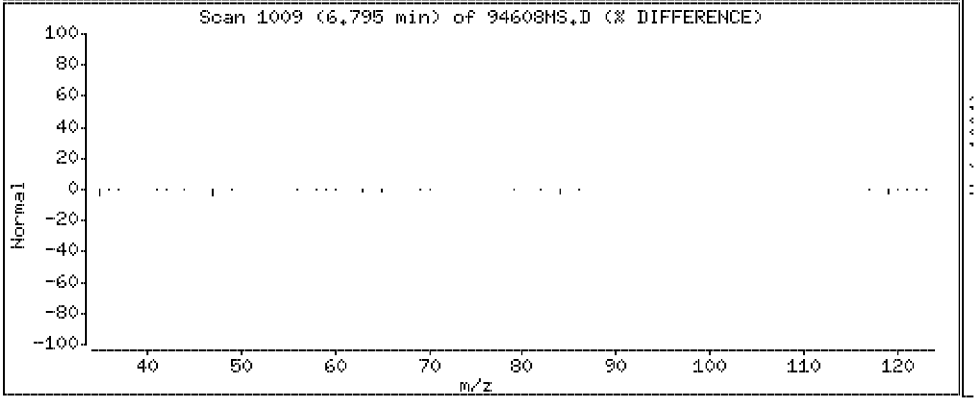
38 Carbon tetrachloride

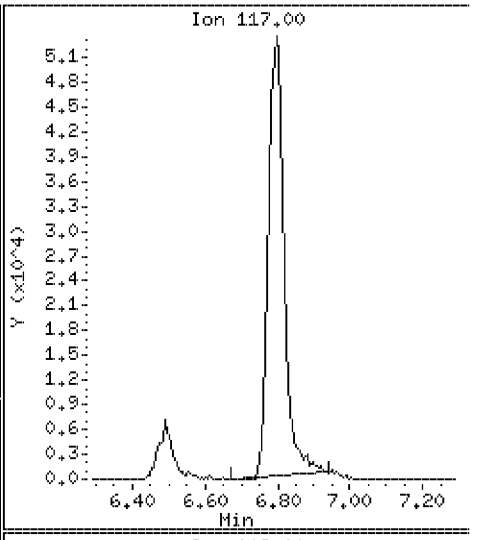
Concentration: 23.6 ug/l

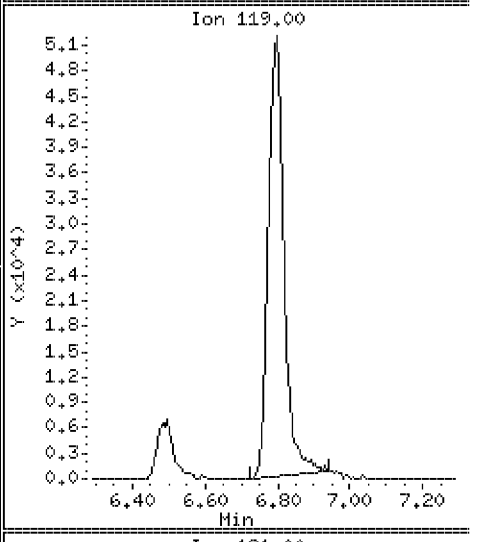


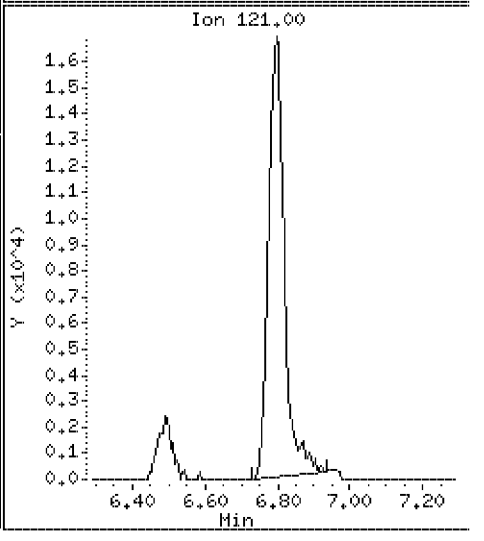












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

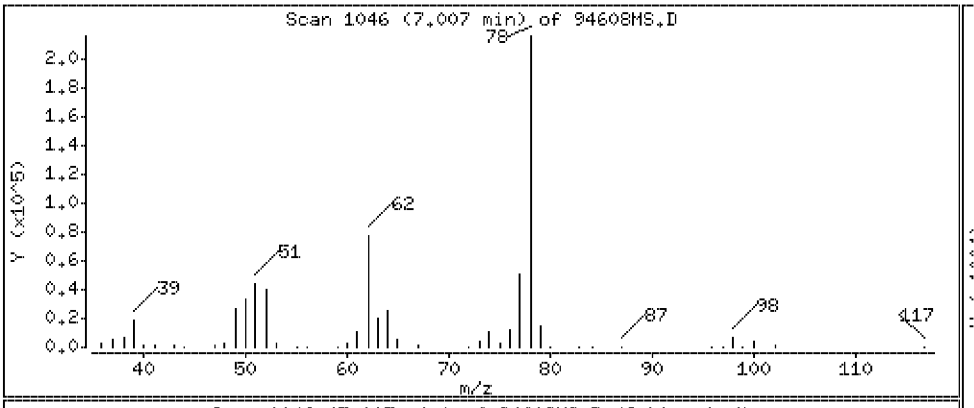
Operator:

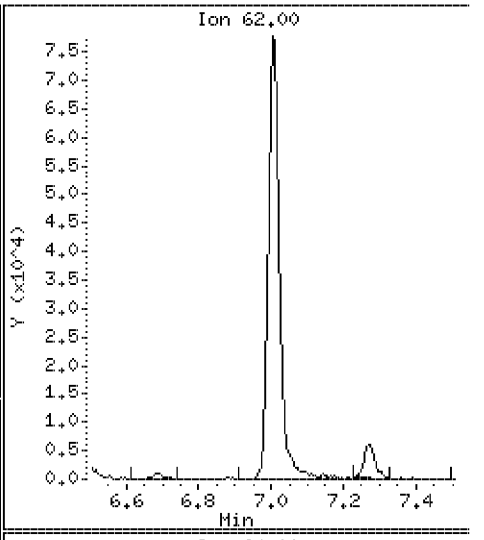
Column phase: DB-624

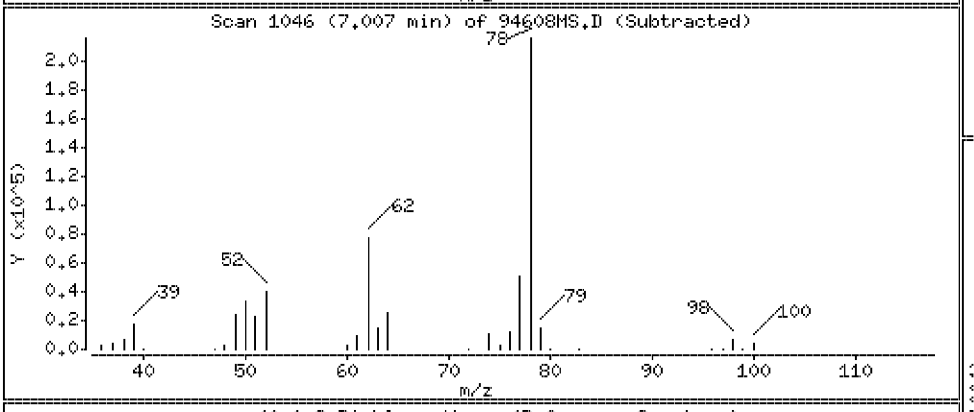
Column diameter: 0.18

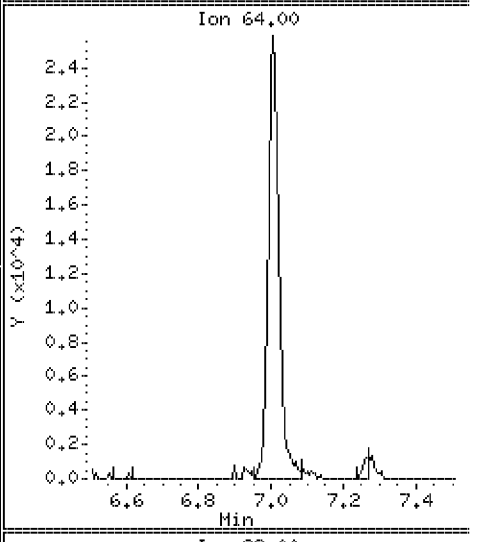
40 1,2-Dichloroethane

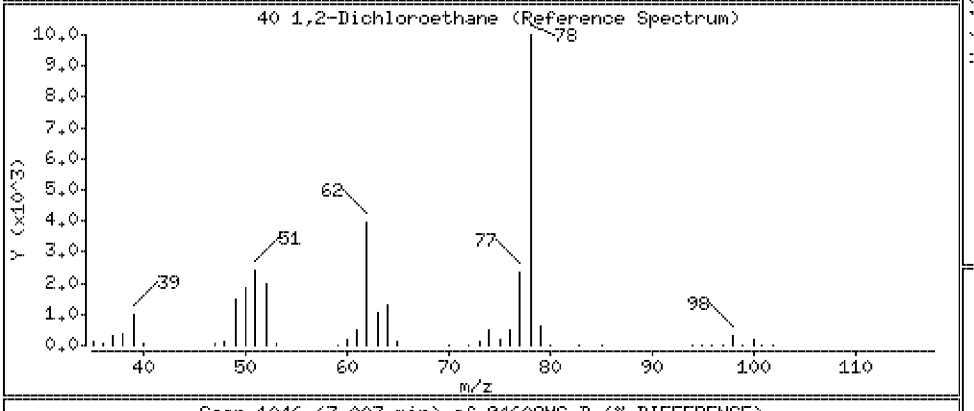
Concentration: 21.8 ug/l

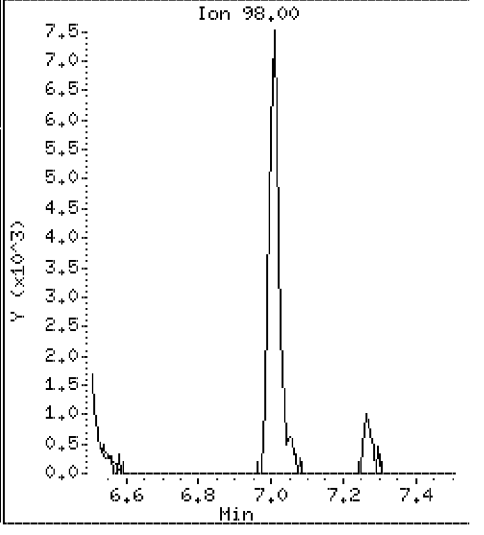


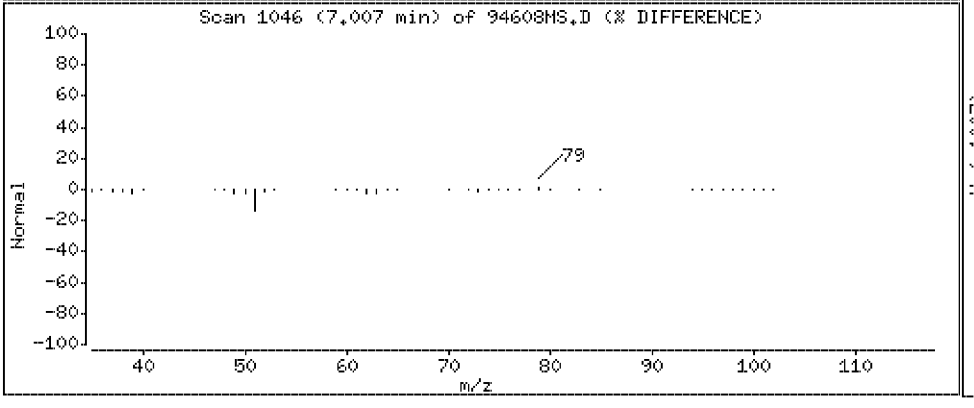












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

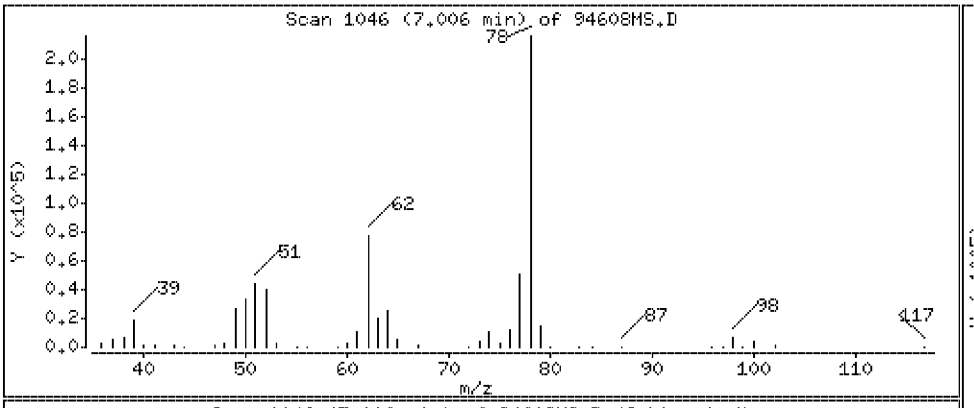
Operator:

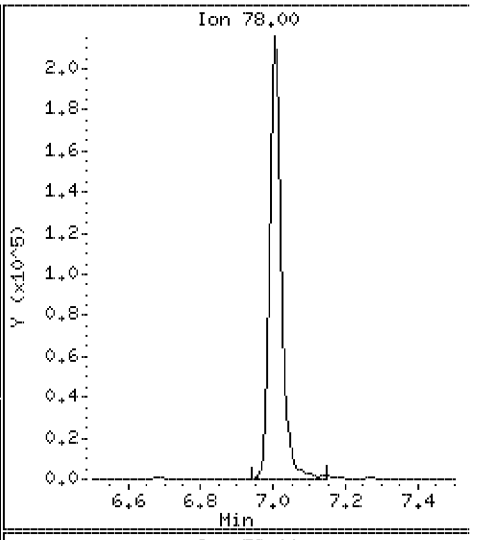
Column phase: DB-624

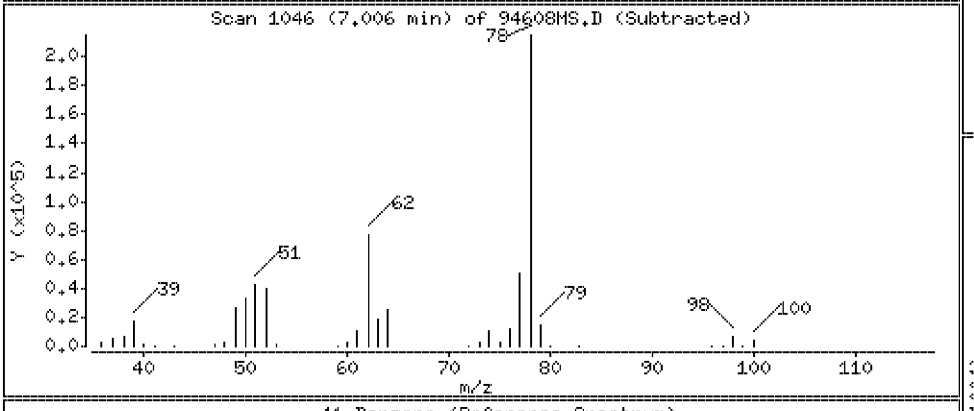
Column diameter: 0.18

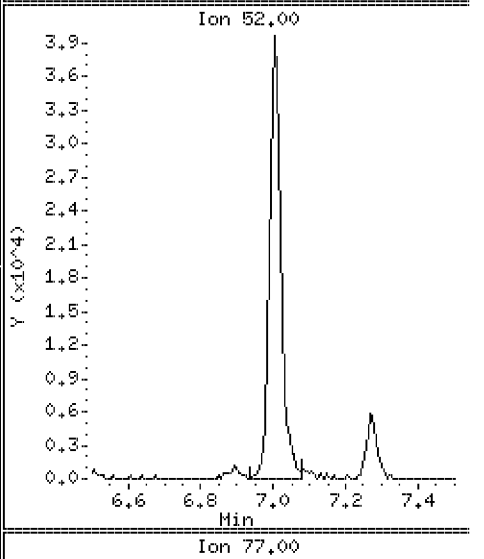
41 Benzene

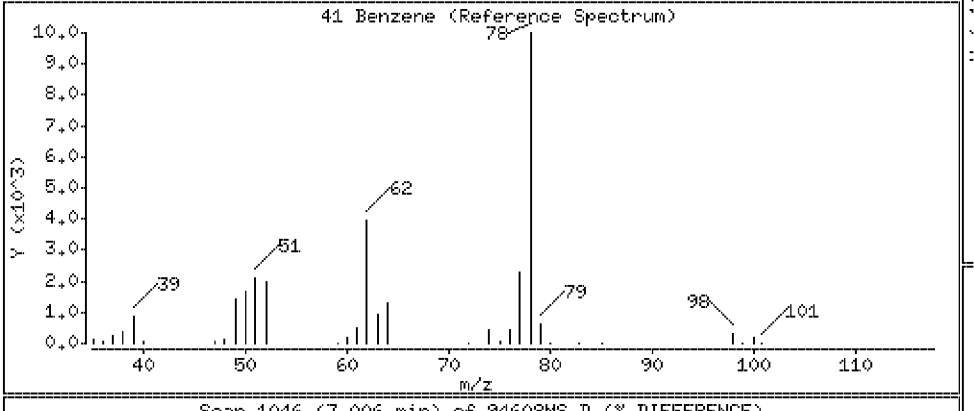
Concentration: 20.7 ug/l

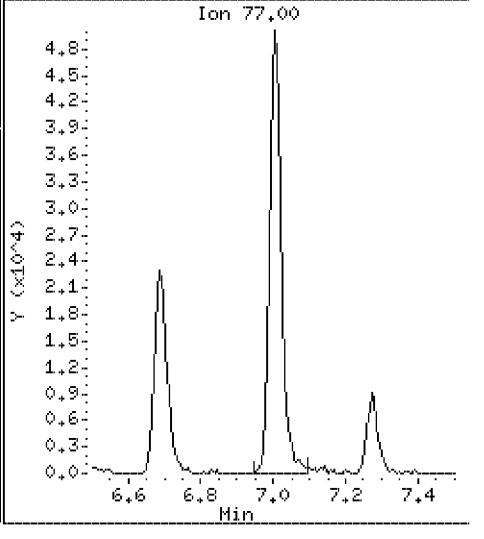


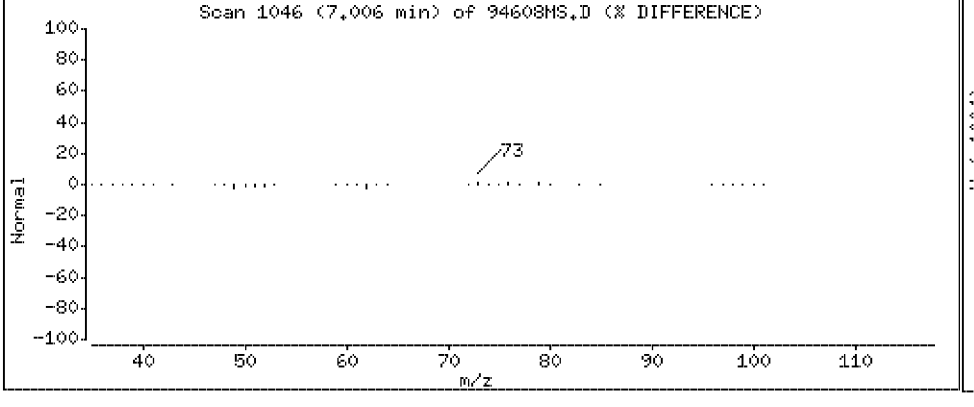












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

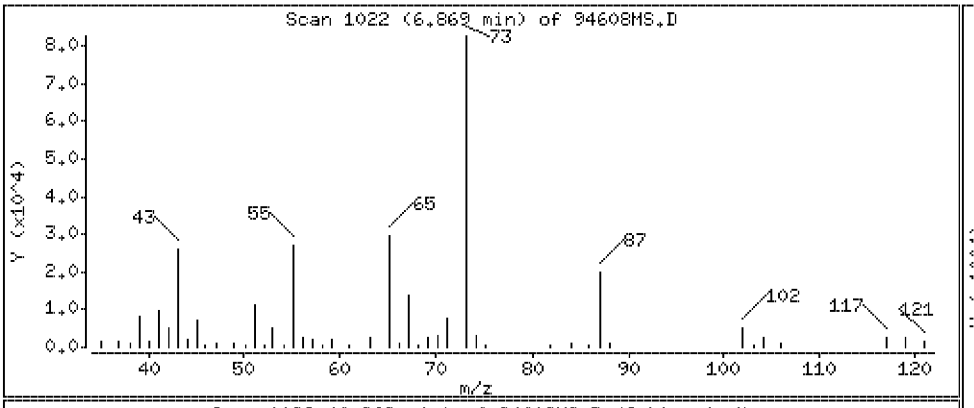
Operator:

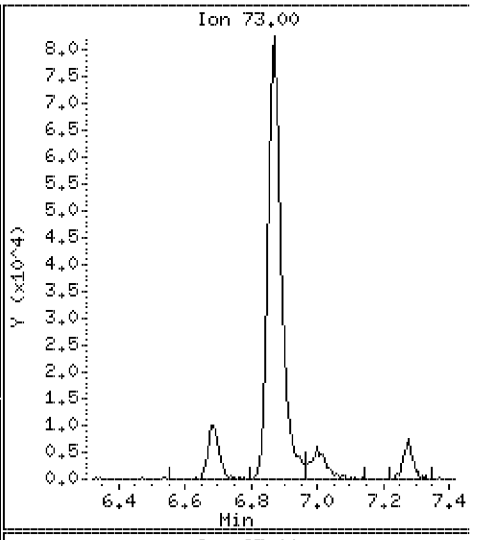
Column phase: DB-624

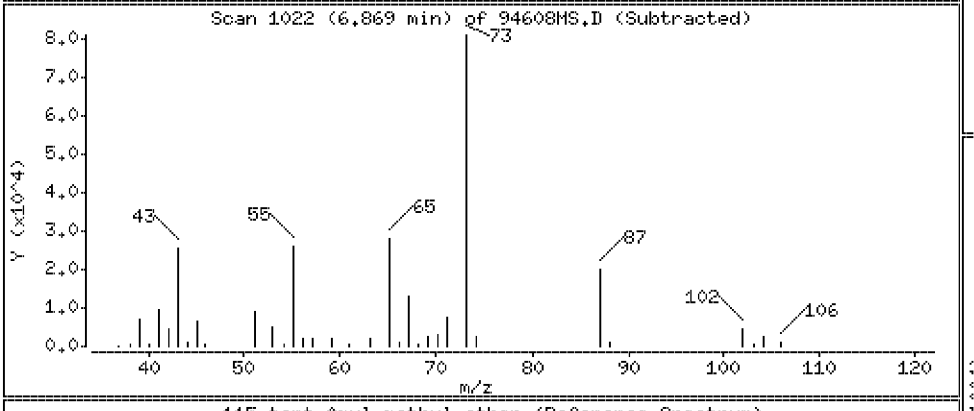
Column diameter: 0.18

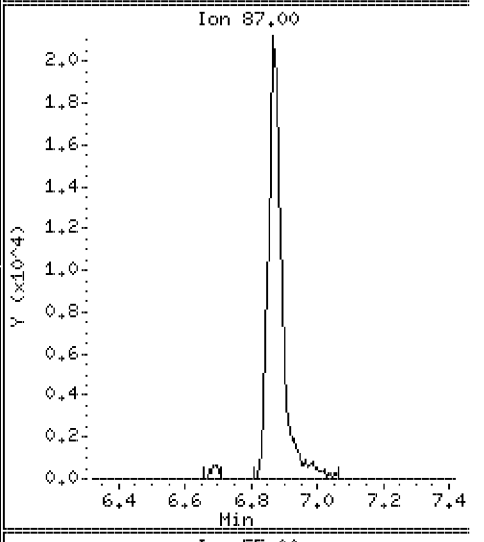
115 tert-Amyl-methyl ether

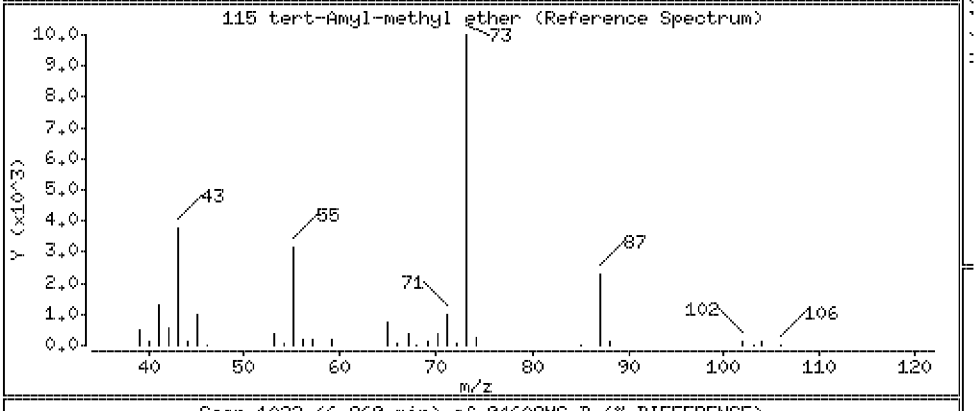
Concentration: 16.7 ug/l

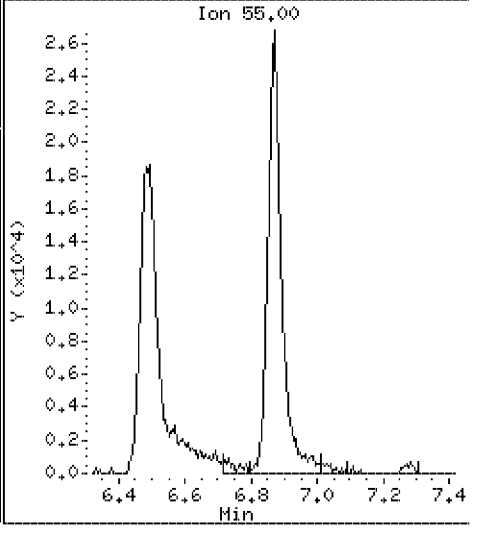


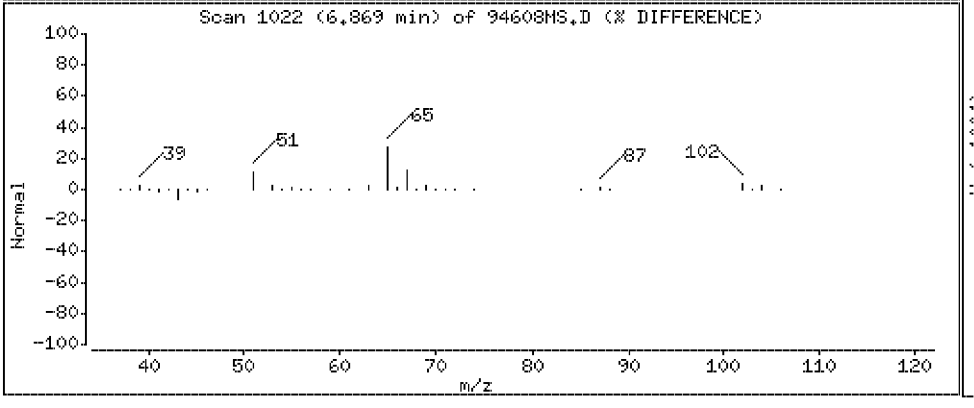












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

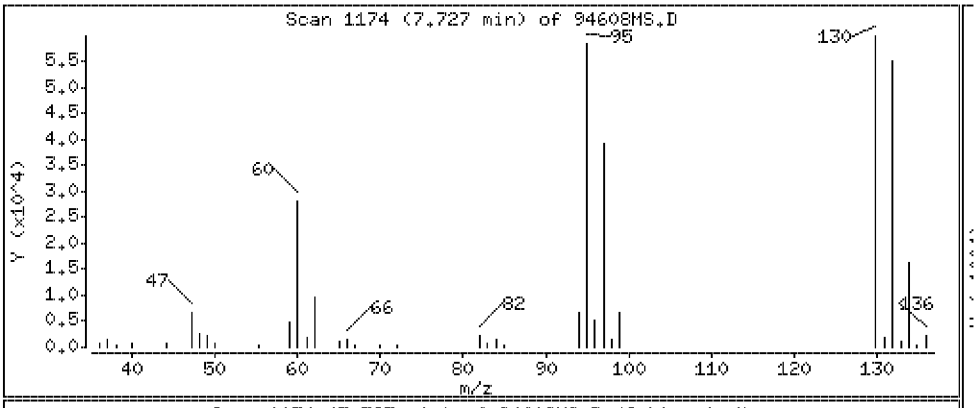
Operator:

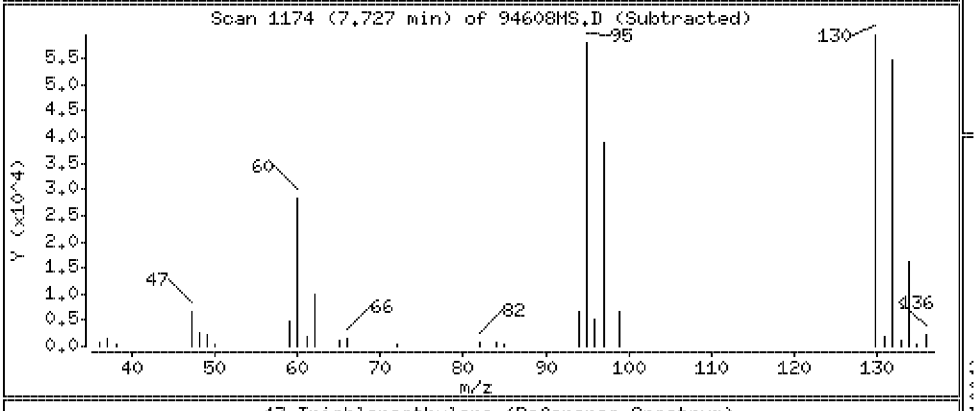
Column phase: DB-624

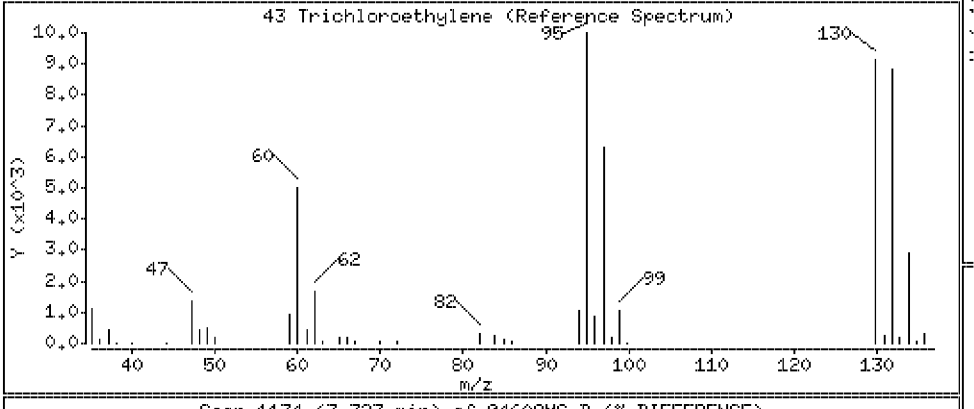
Column diameter: 0.18

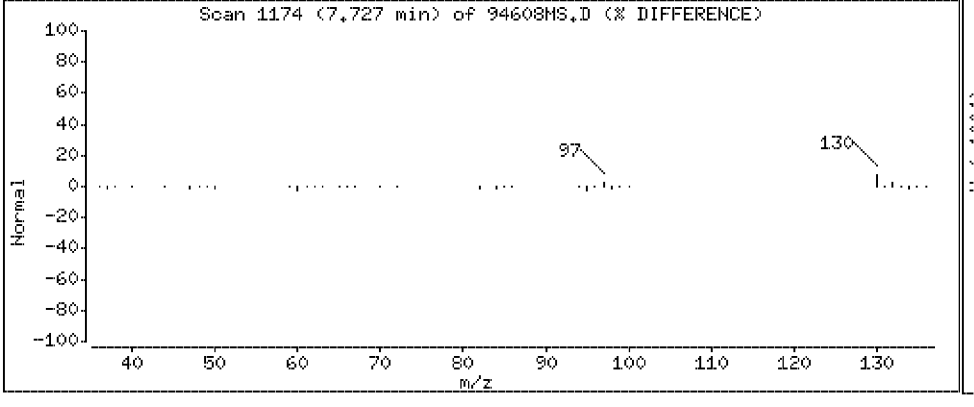
43 Trichloroethylene

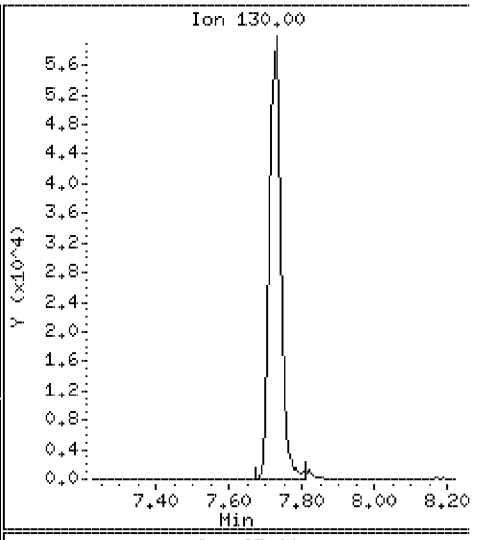
Concentration: 22.4 ug/l

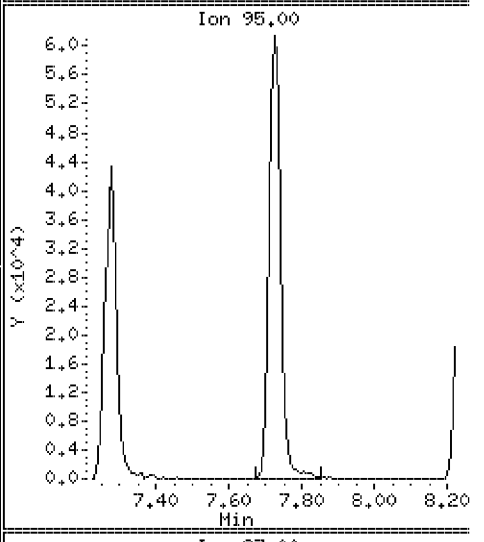


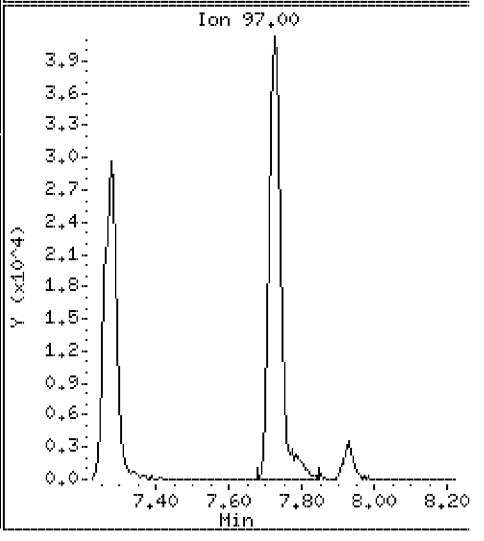












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

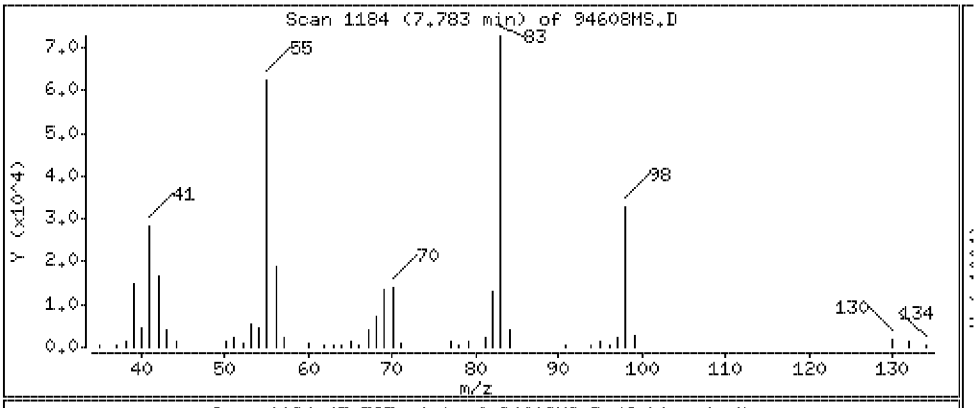
Operator:

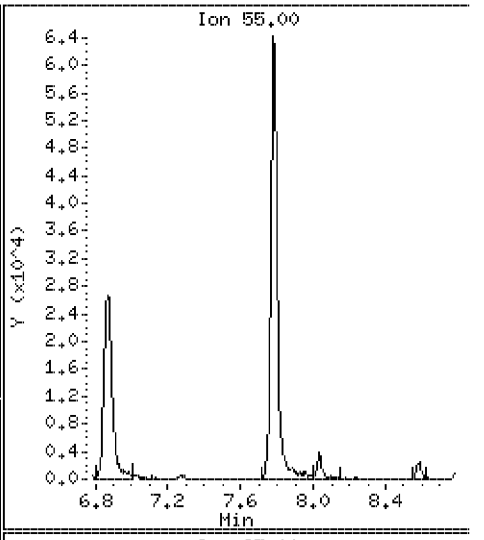
Column phase: DB-624

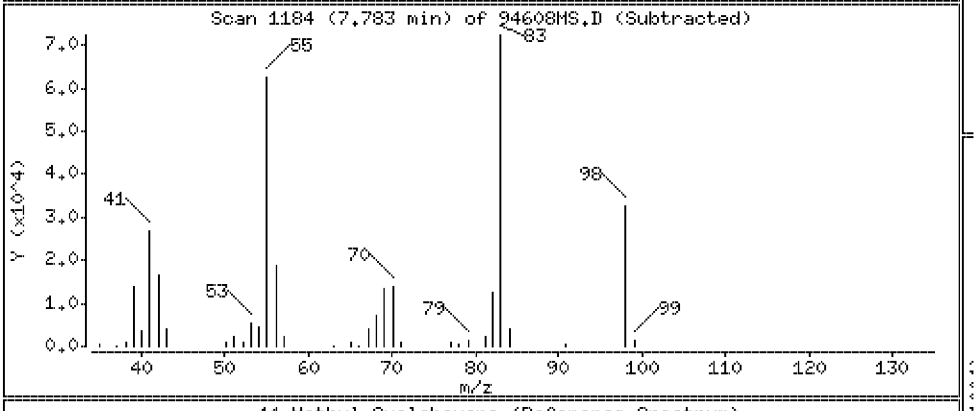
Column diameter: 0.18

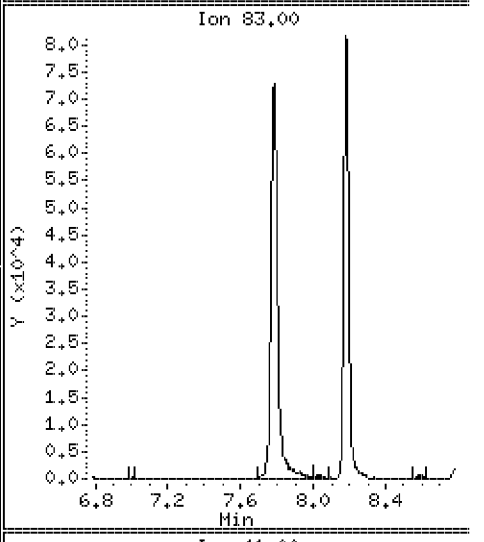
44 Methyl Cyclohexane

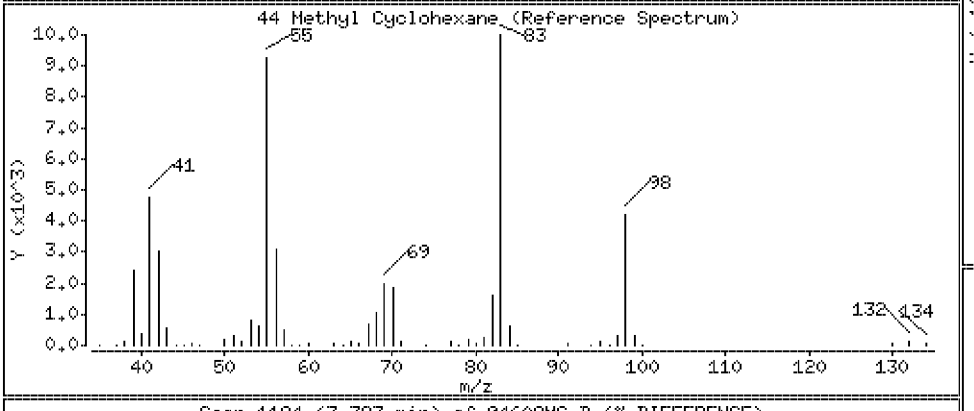
Concentration: 21.3 ug/l

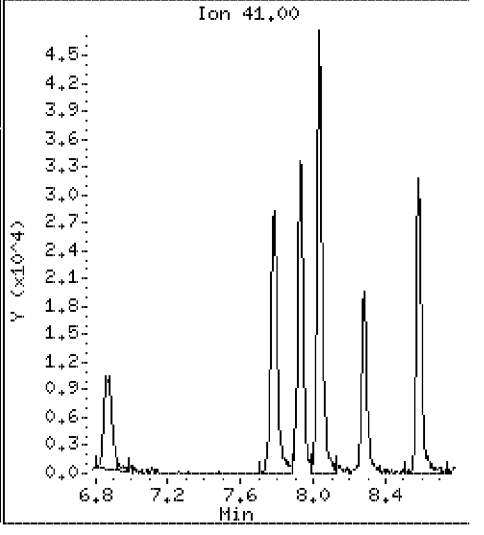


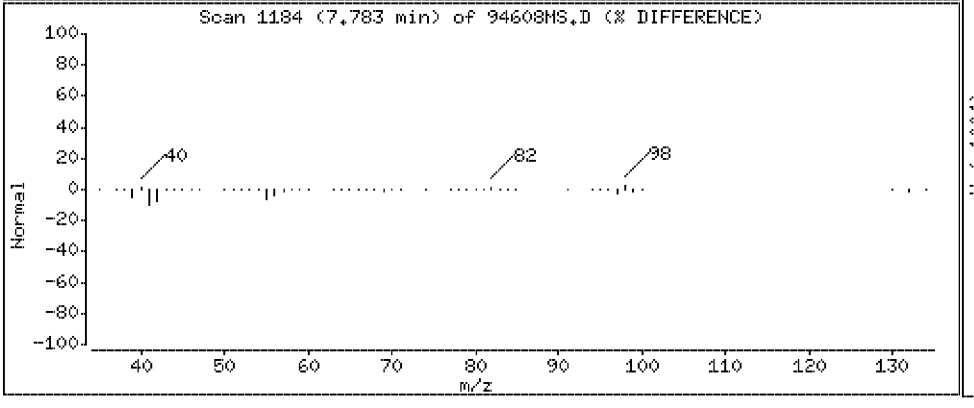












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

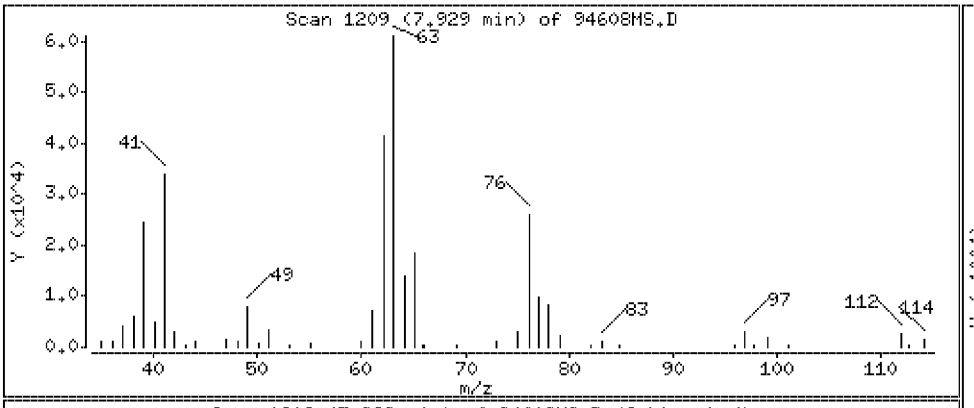
Operator:

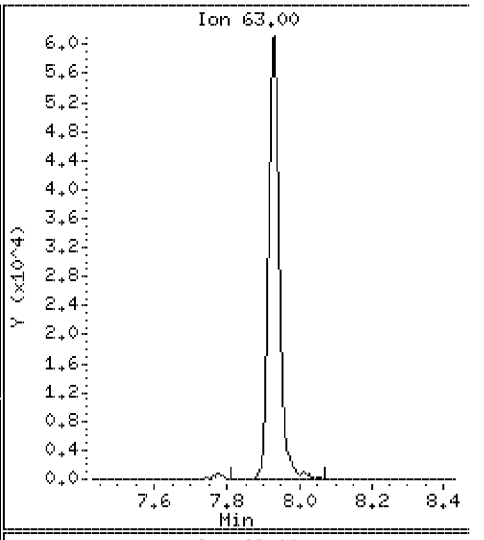
Column phase: DB-624

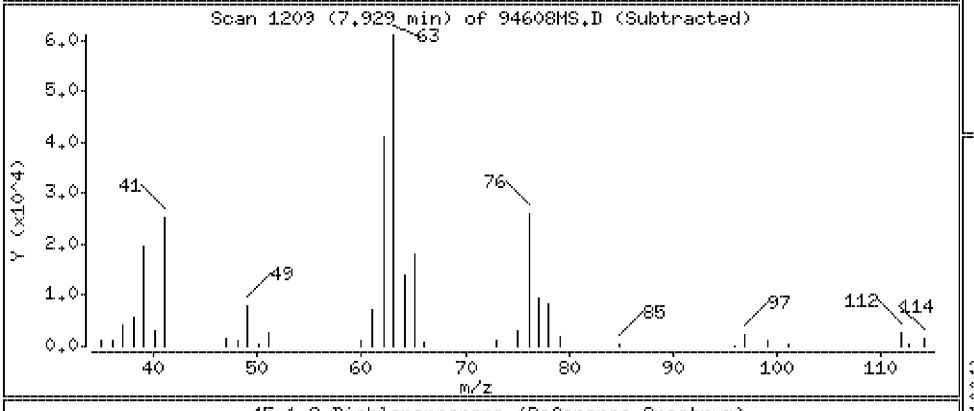
Column diameter: 0.18

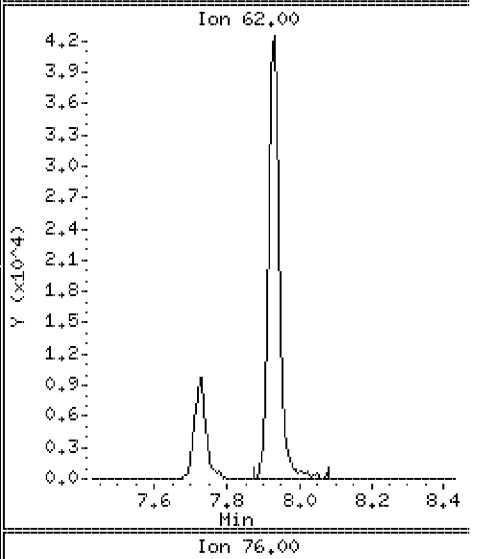
45 1,2-Dichloropropane

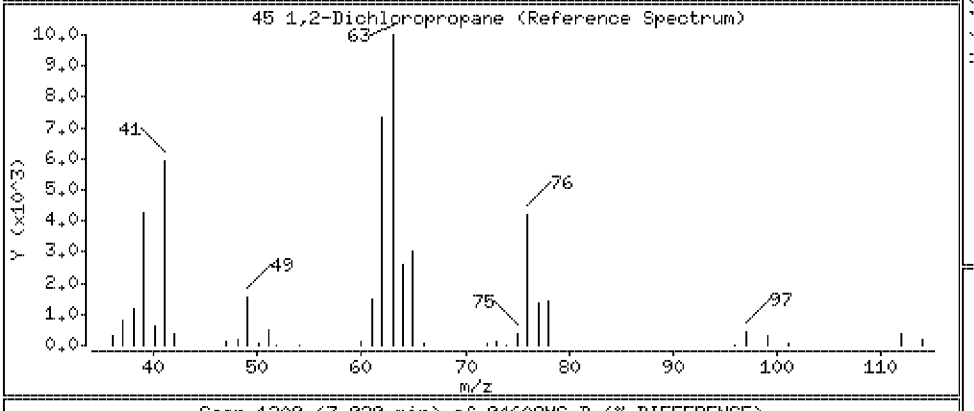
Concentration: 19.5 ug/l

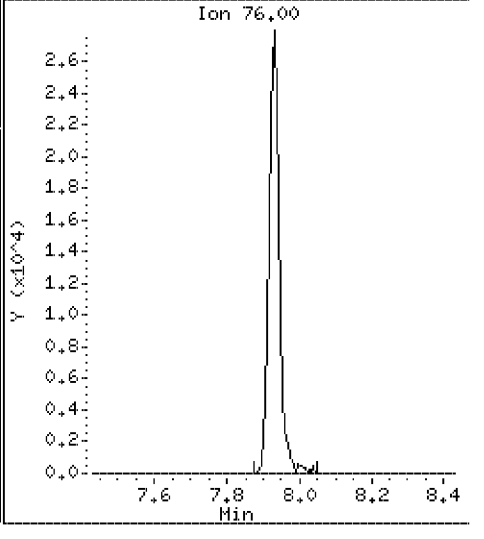


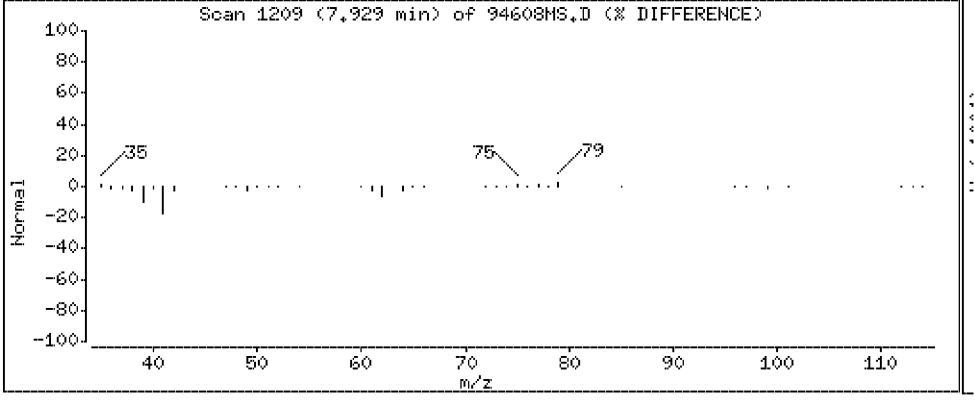












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

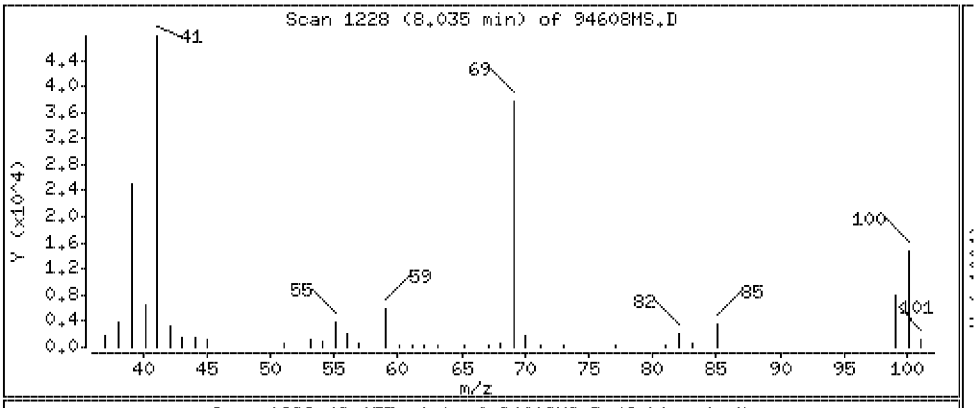
Operator:

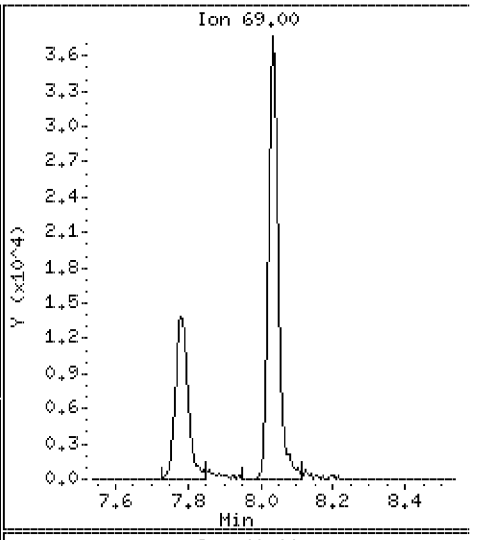
Column phase: DB-624

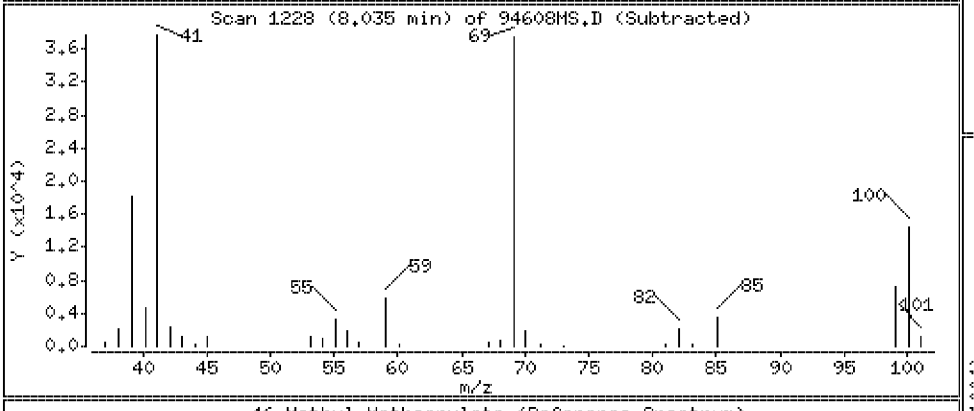
Column diameter: 0.18

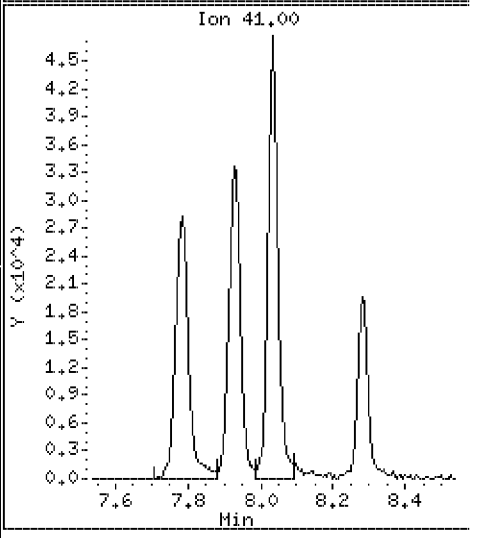
46 Methyl Methacrylate

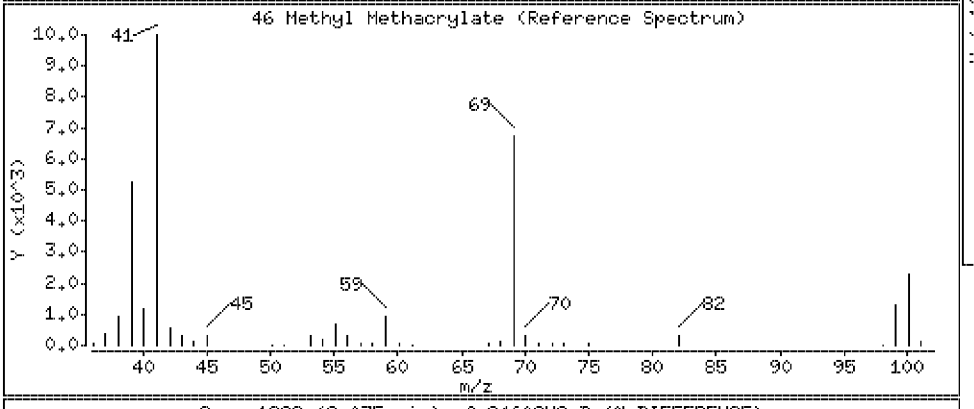
Concentration: 20.3 ug/l

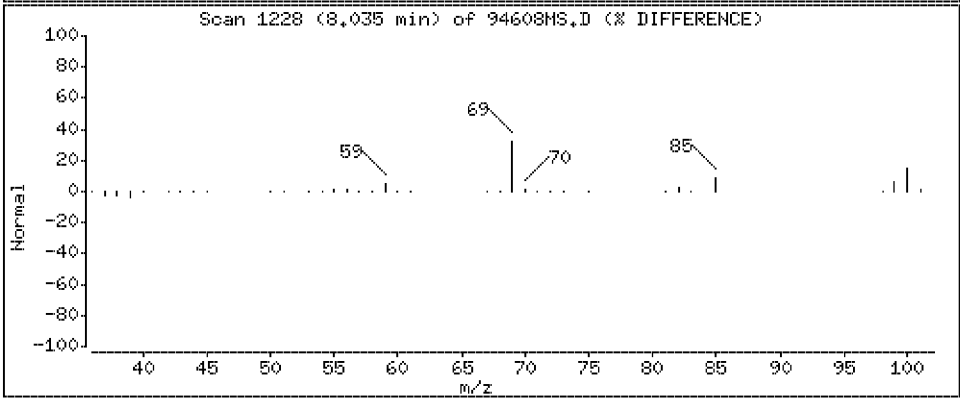












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

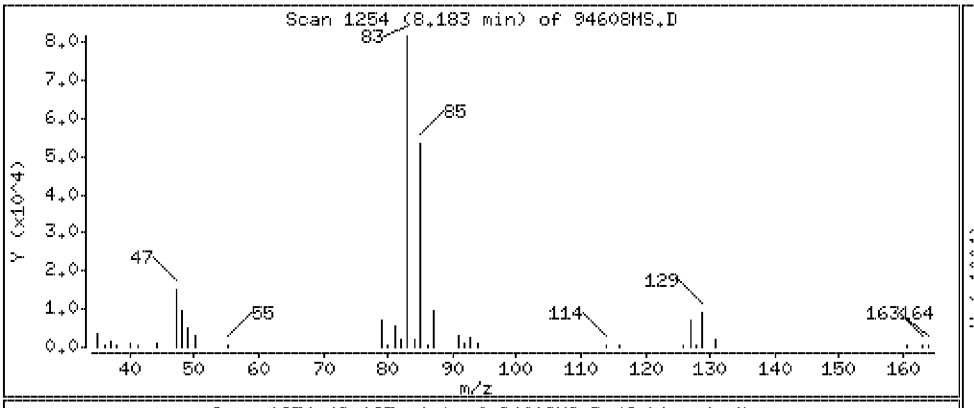
Operator:

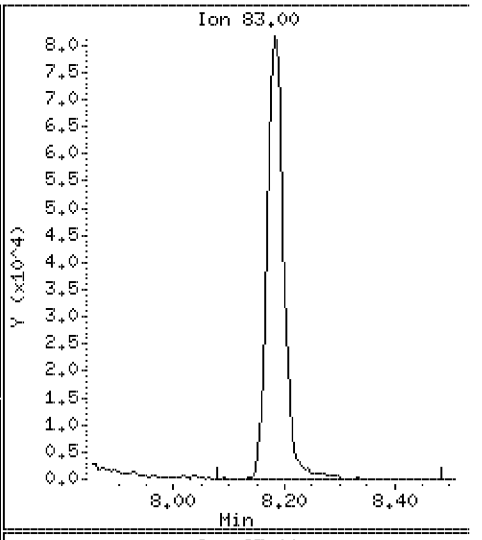
Column phase: DB-624

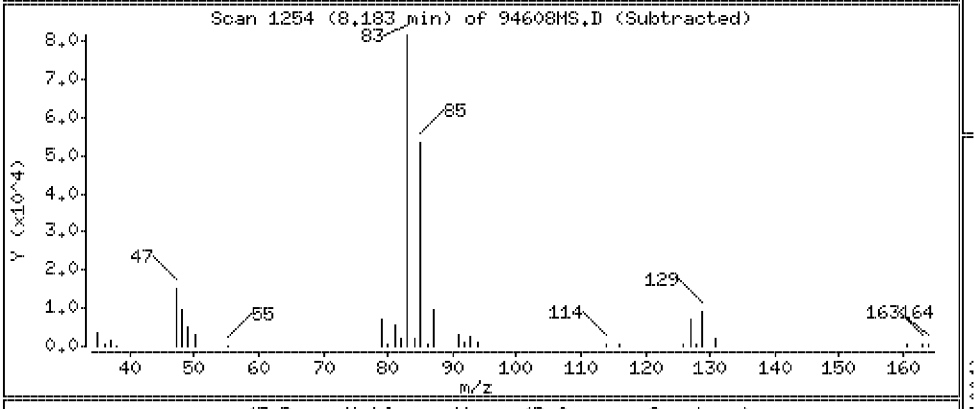
Column diameter: 0.18

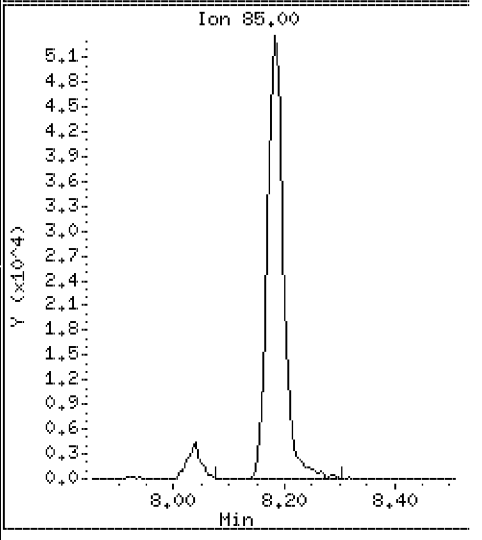
47 Bromodichloromethane

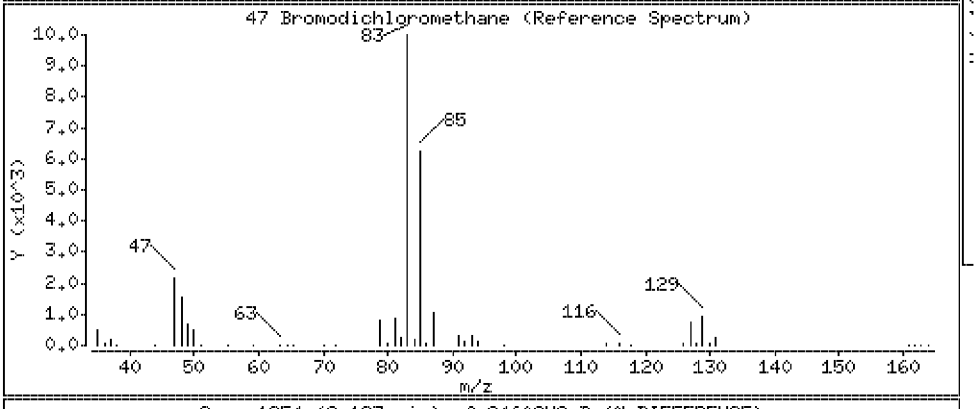
Concentration: 22.1 ug/l

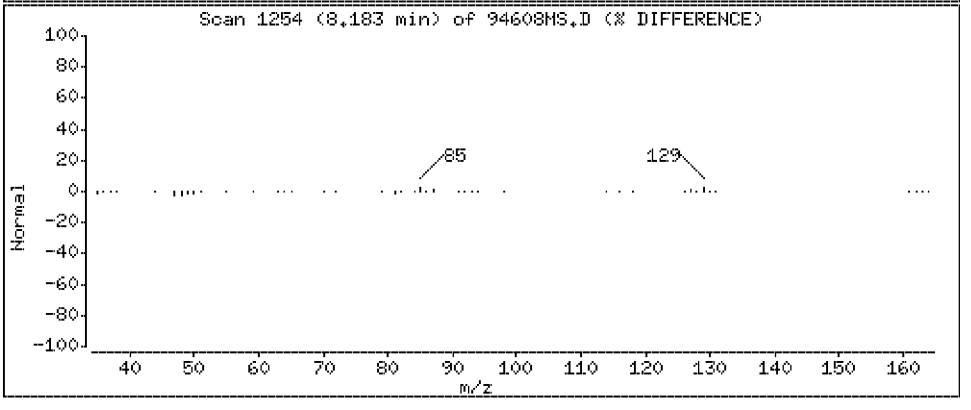












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

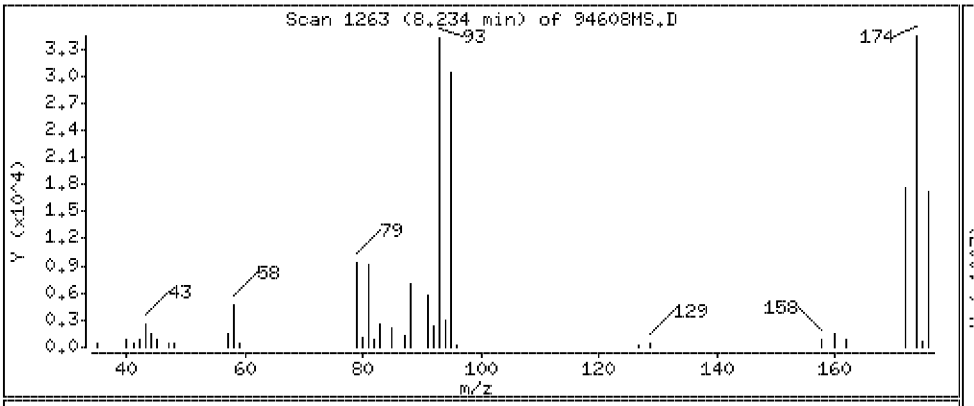
Operator:

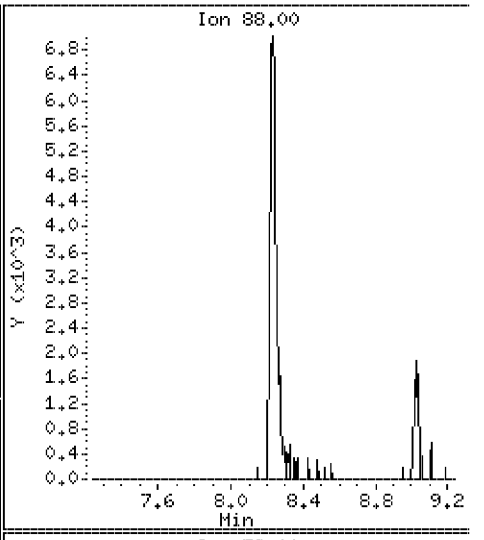
Column phase: DB-624

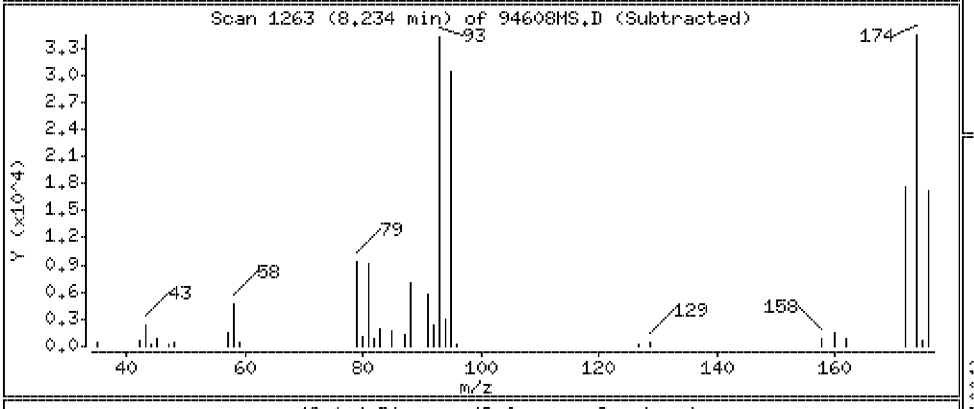
Column diameter: 0.18

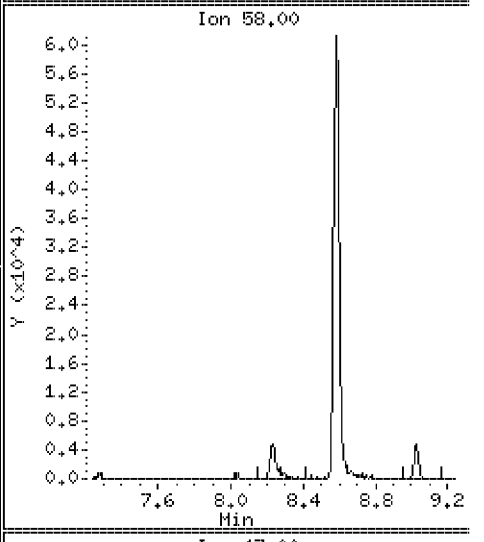
48 1,4 Dioxane

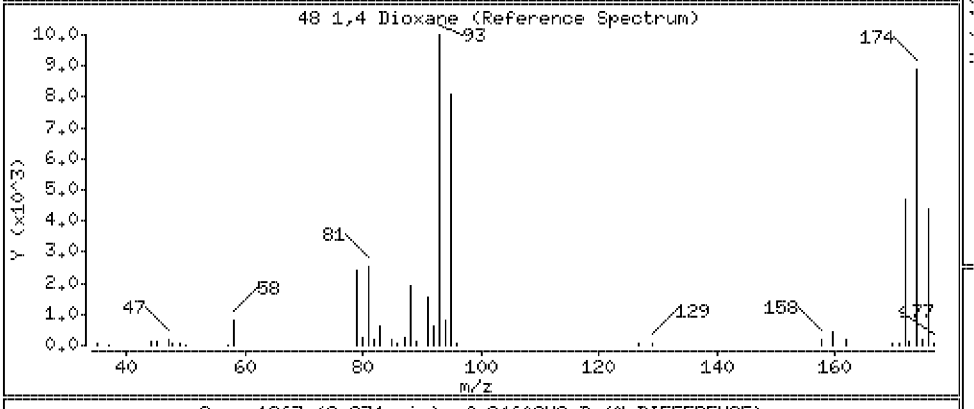
Concentration: 335 ug/l

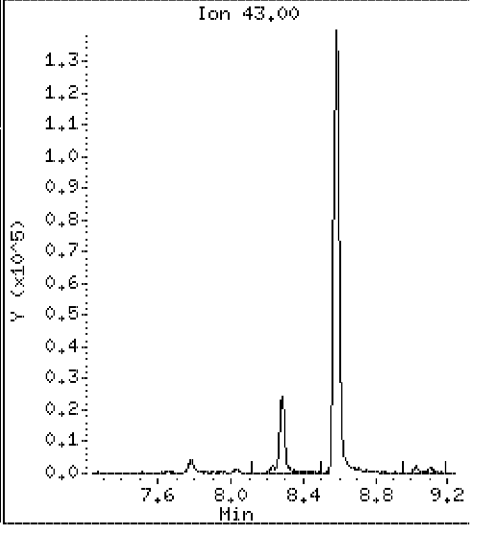


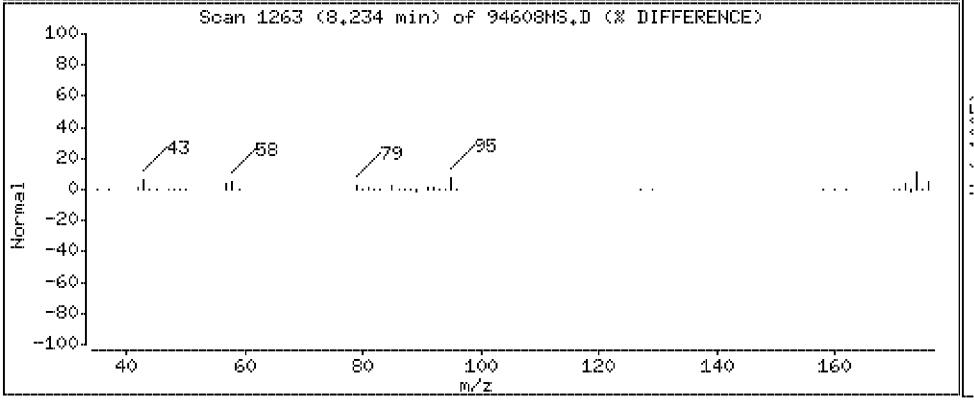












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

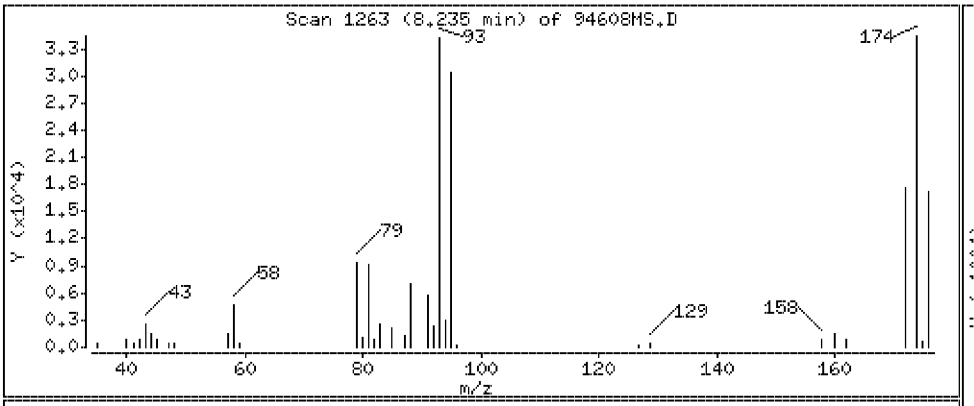
Operator:

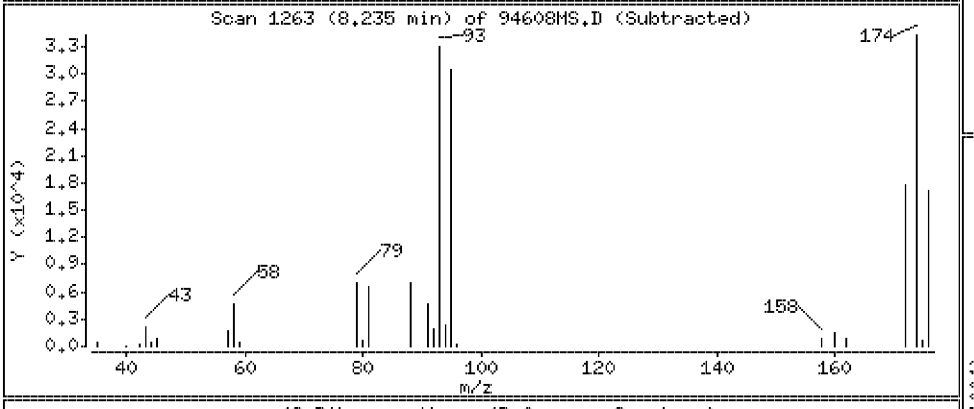
Column phase: DB-624

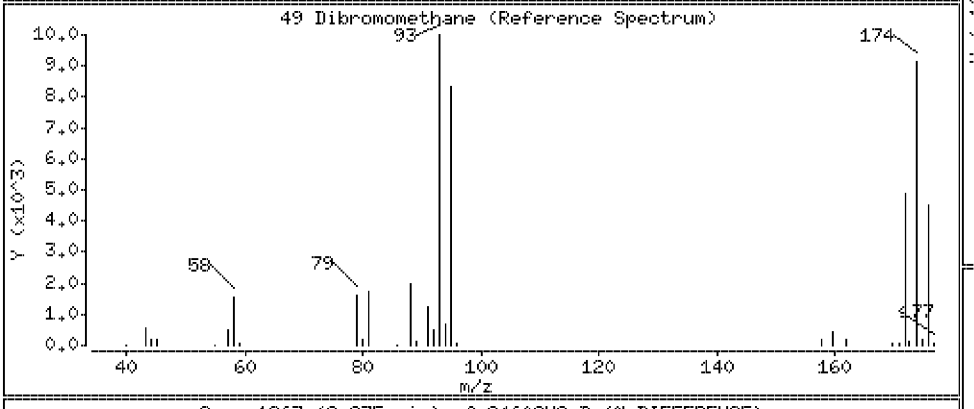
Column diameter: 0.18

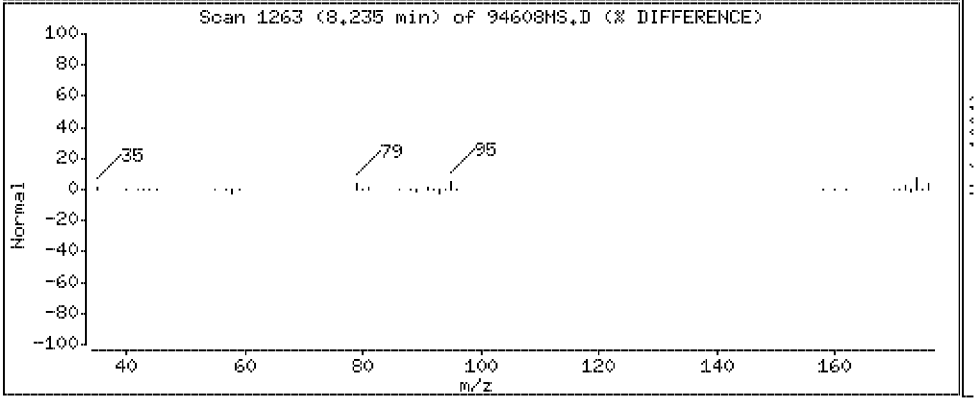
49 Dibromomethane

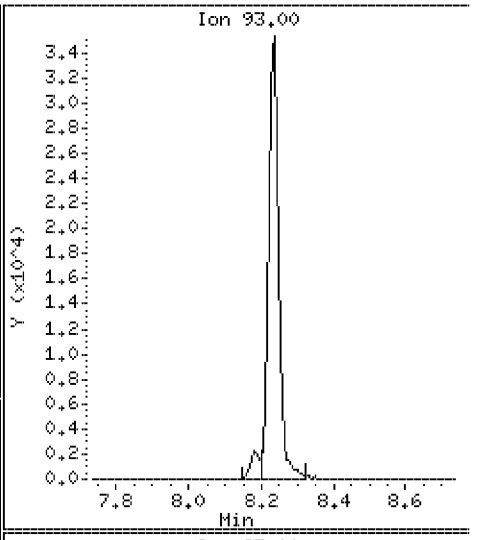
Concentration: 20.8 ug/l

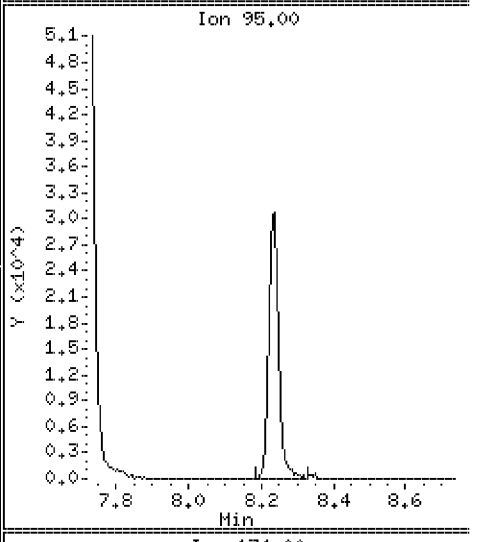


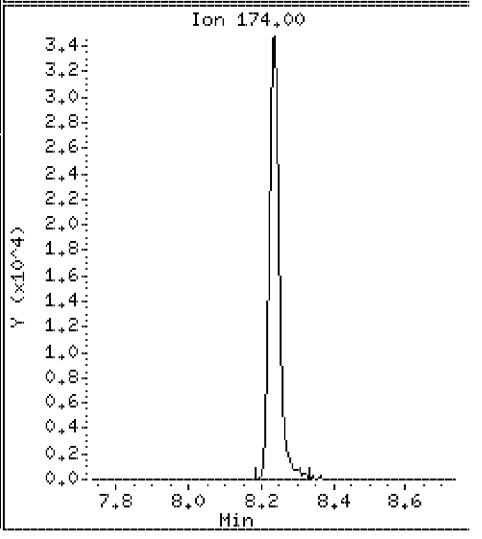












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

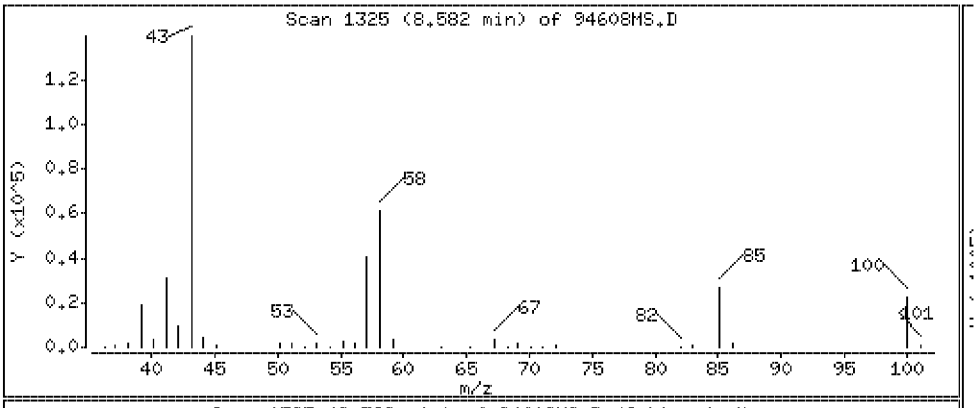
Operator:

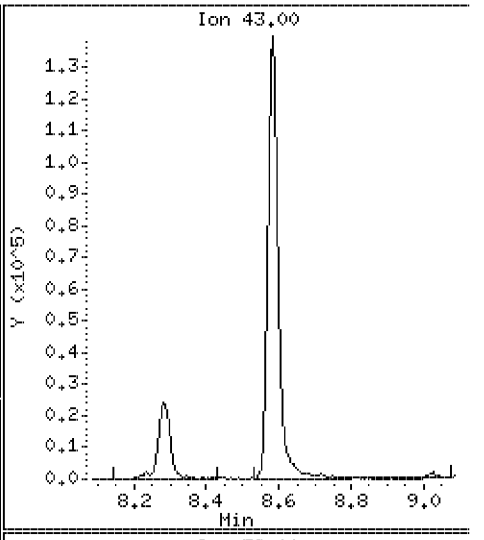
Column phase: DB-624

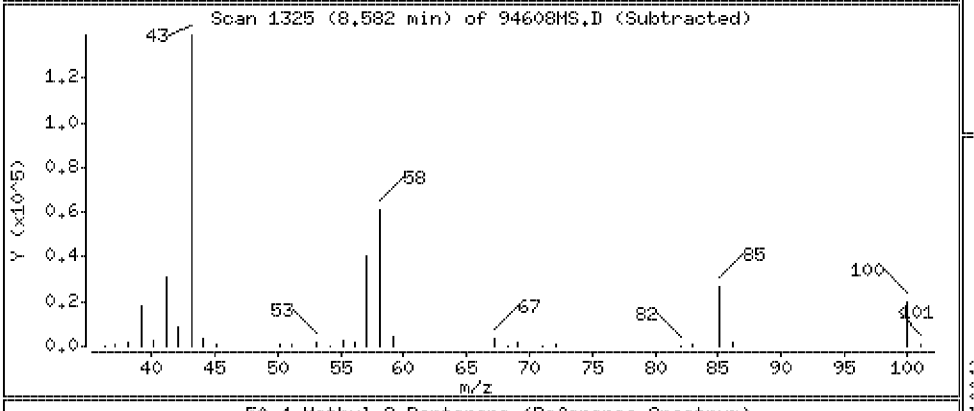
Column diameter: 0.18

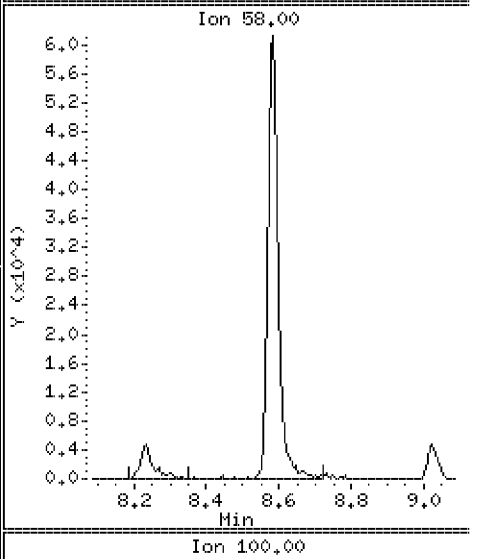
50 4-Methyl-2-Pentanone

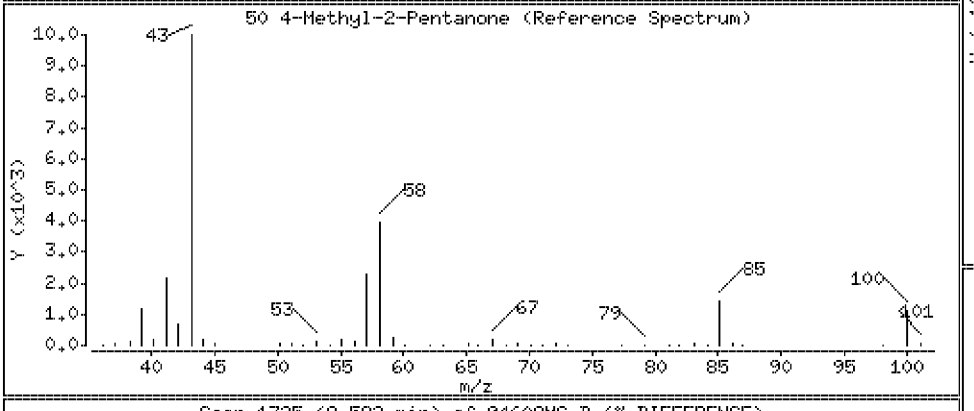
Concentration: 52.9 ug/l

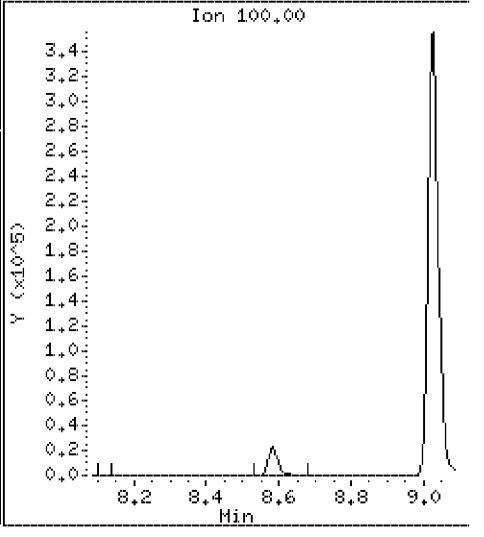


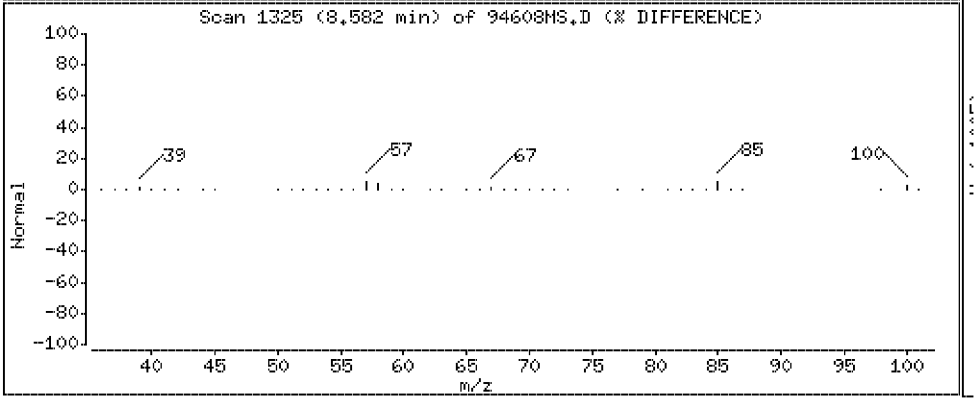












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

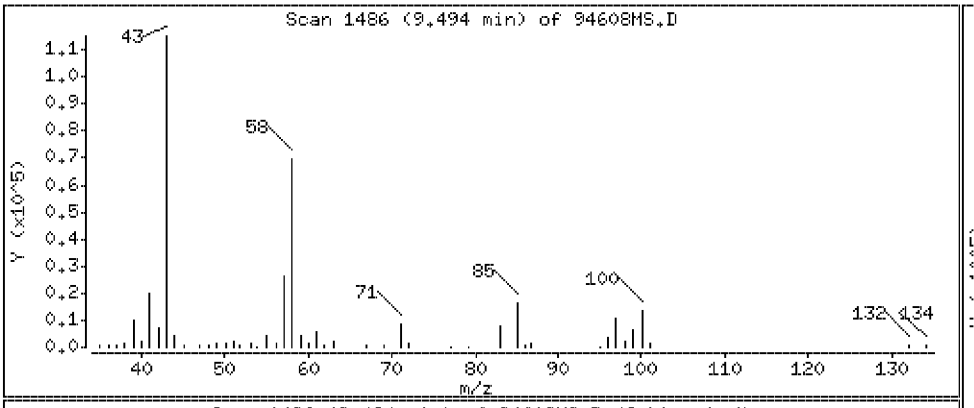
Operator:

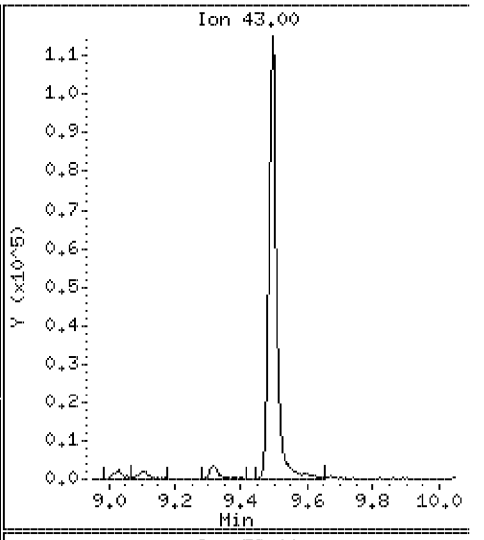
Column phase: DB-624

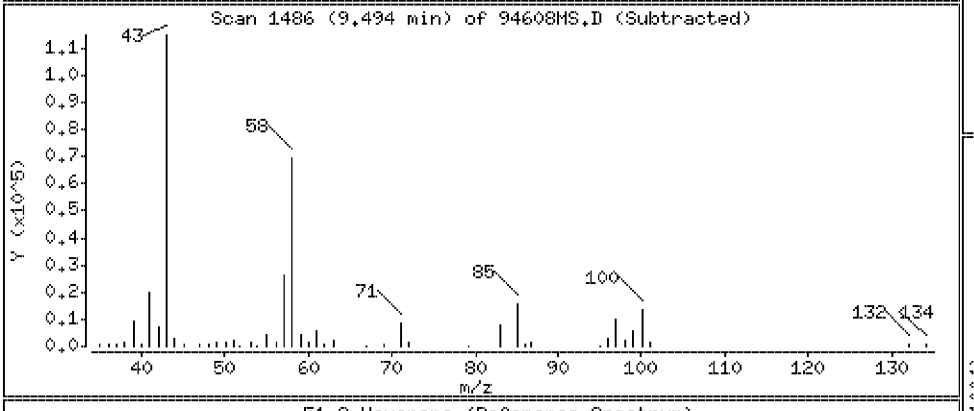
Column diameter: 0.18

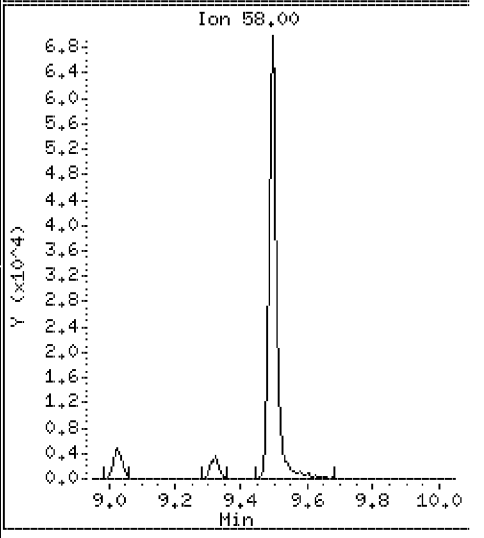
51 2-Hexanone

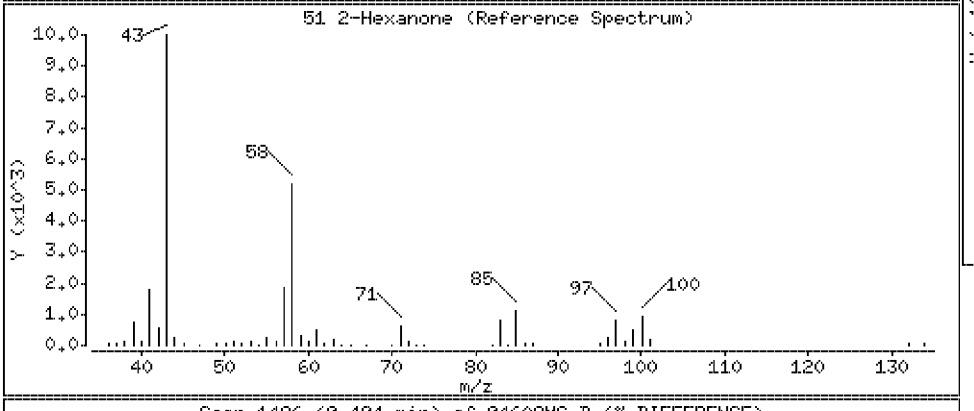
Concentration: 54.2 ug/l

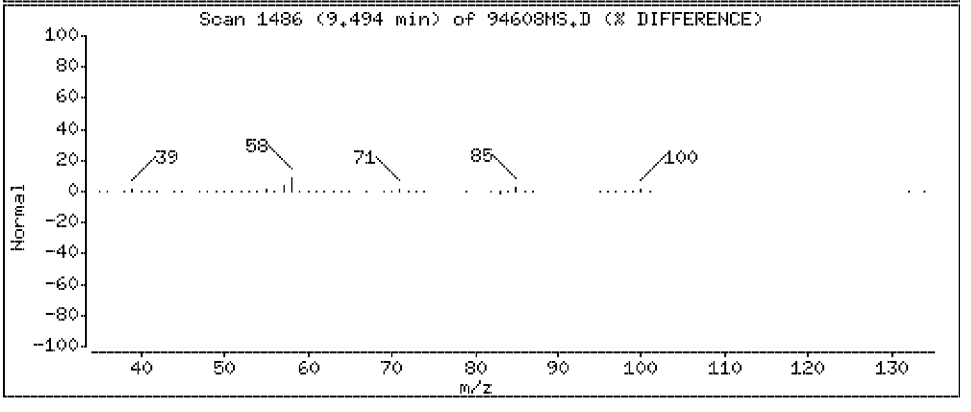












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

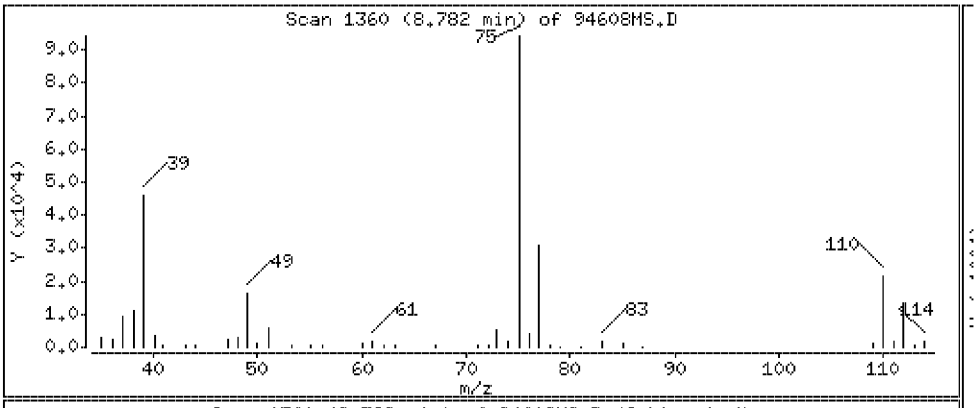
Operator:

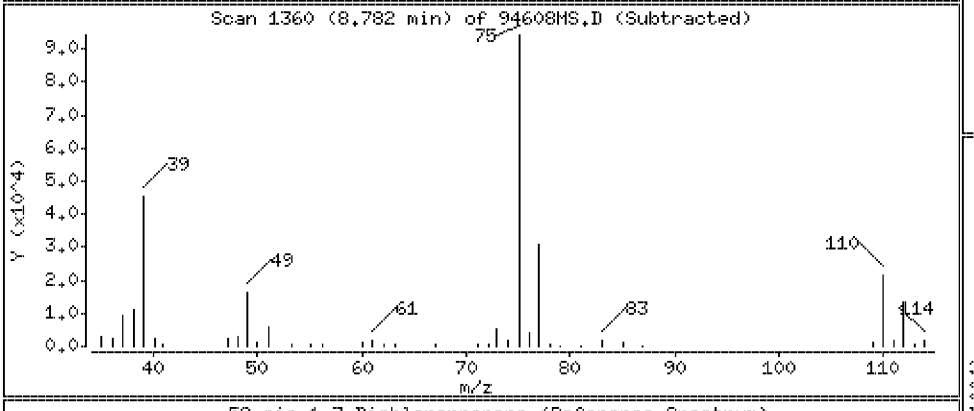
Column phase: DB-624

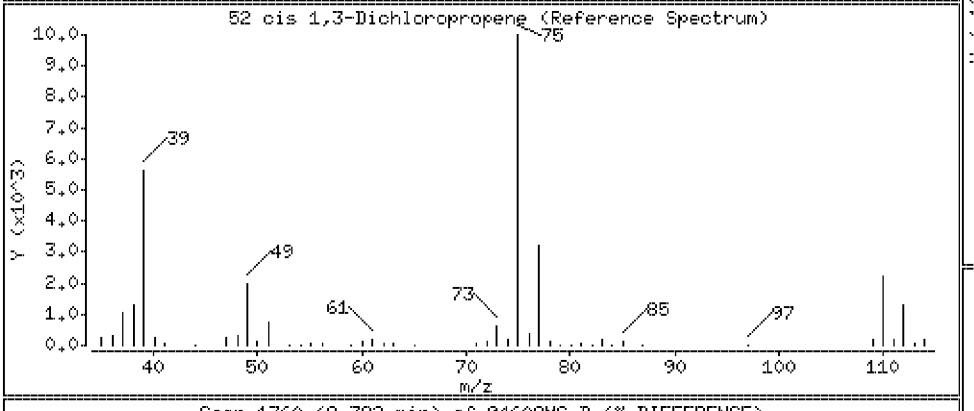
Column diameter: 0.18

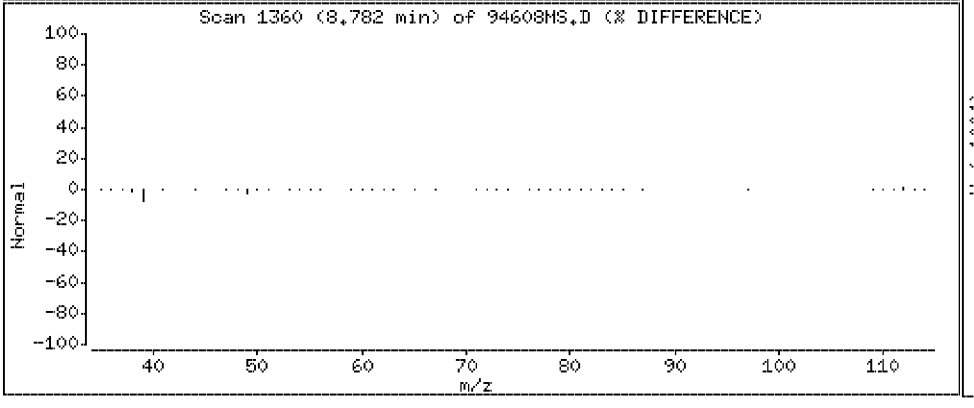
52 cis 1,3-Dichloropropene

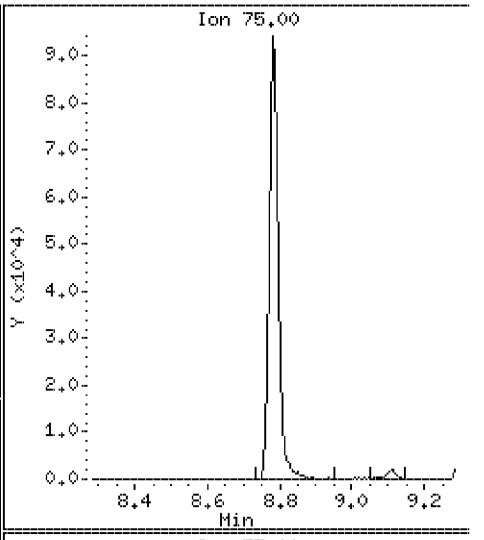
Concentration: 21.6 ug/l

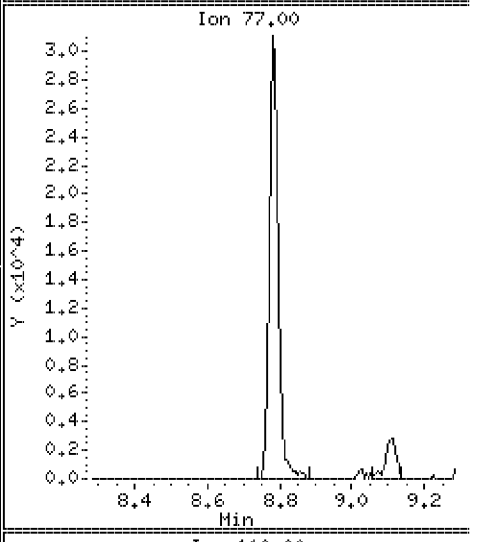


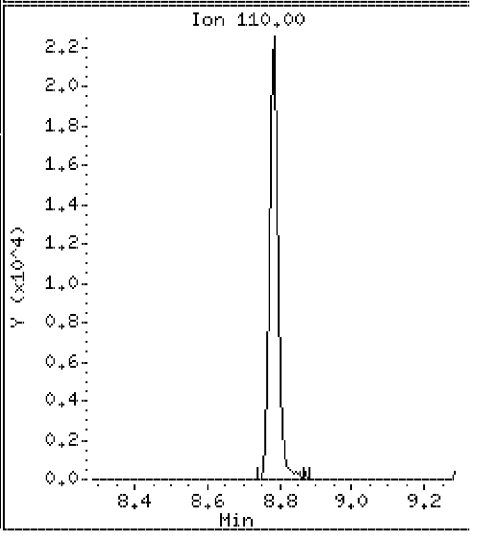












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

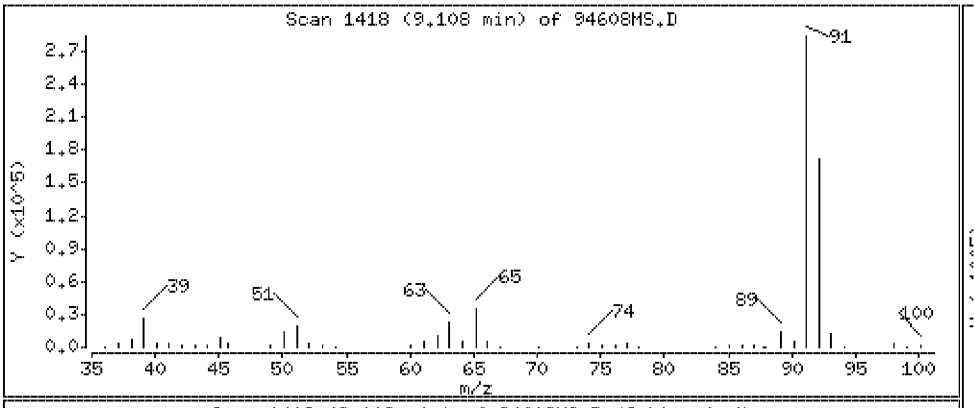
Operator:

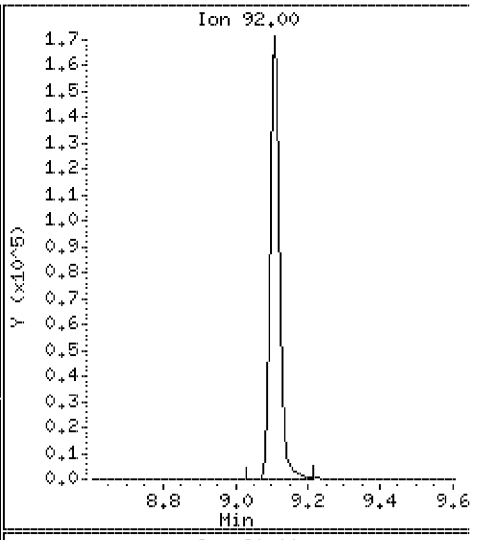
Column phase: DB-624

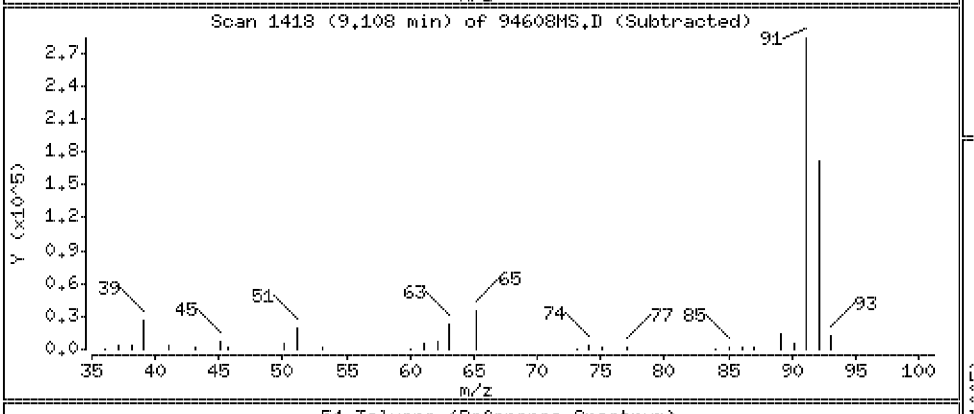
Column diameter: 0.18

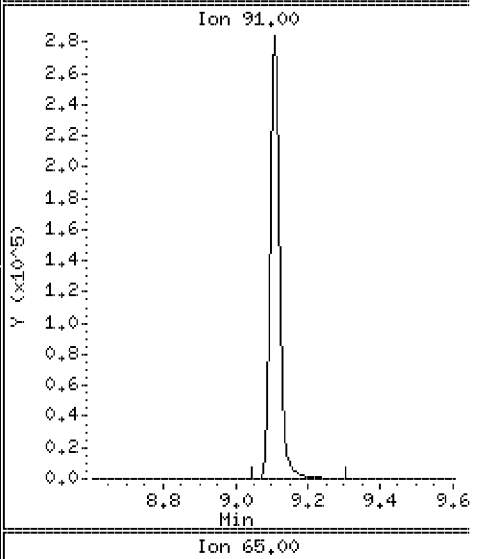
54 Toluene

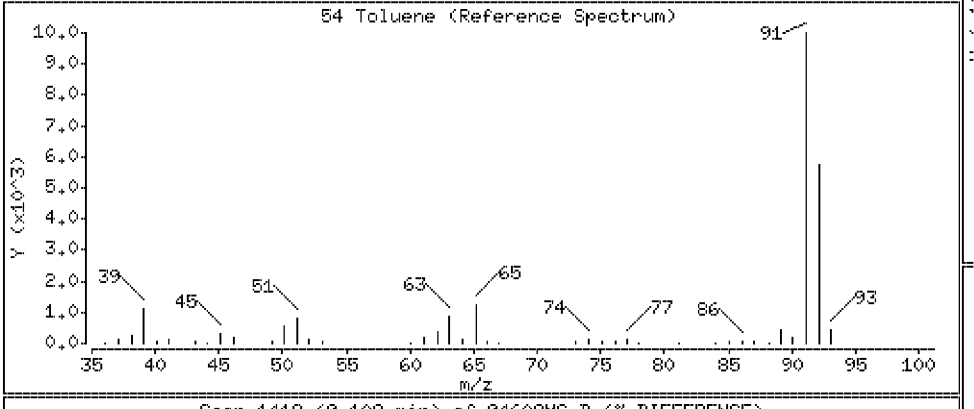
Concentration: 21.6 ug/l

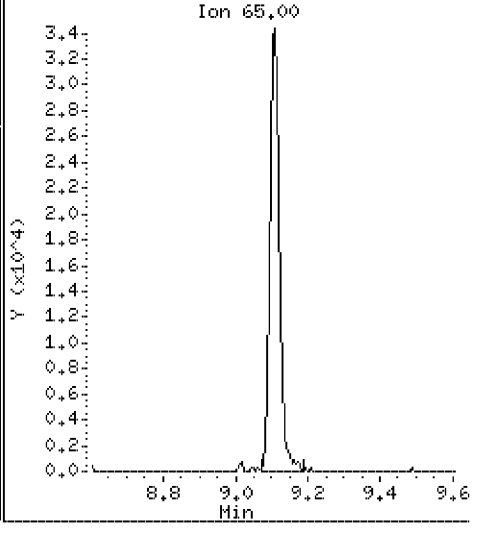


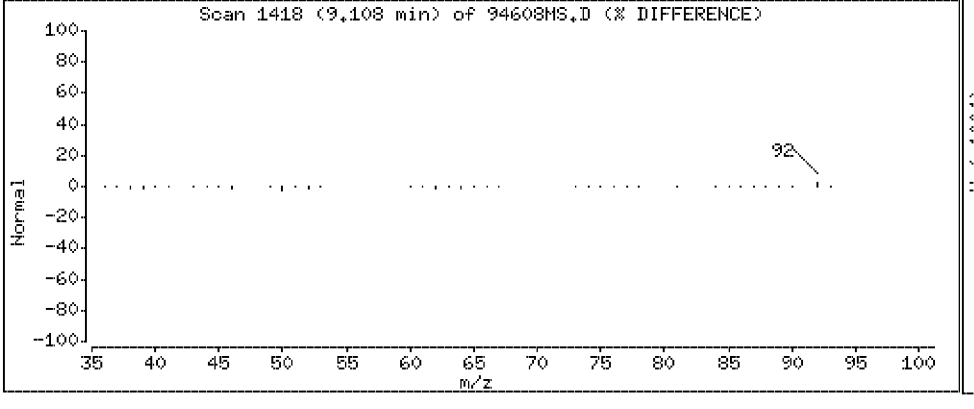












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

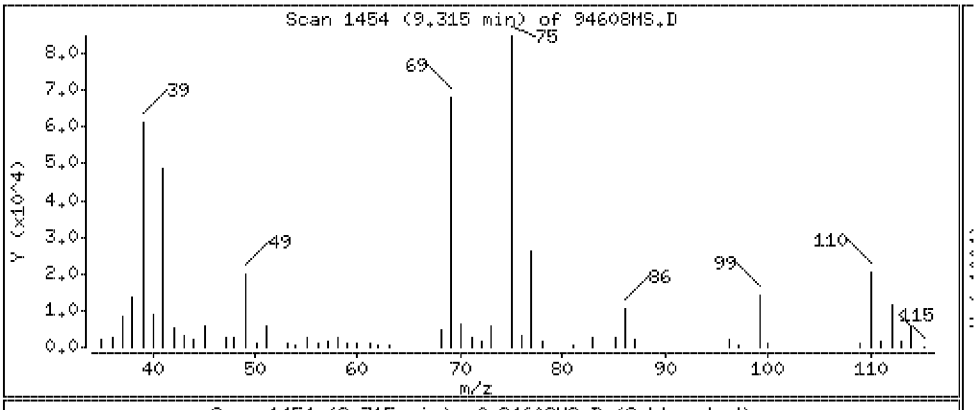
Operator:

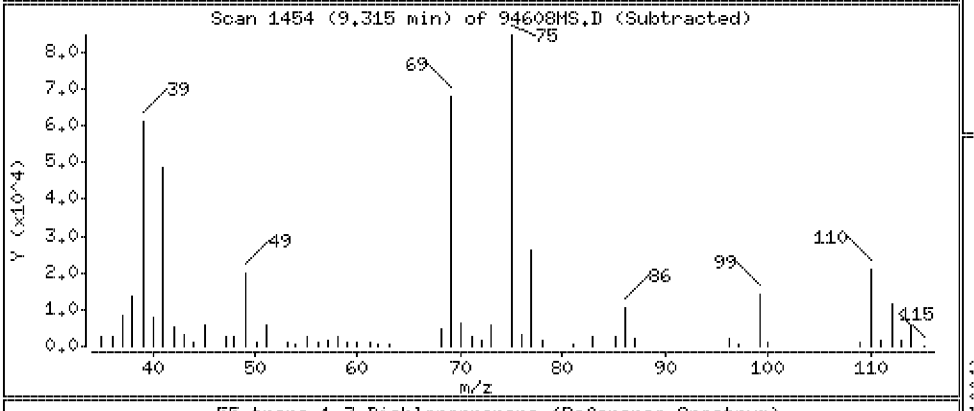
Column phase: DB-624

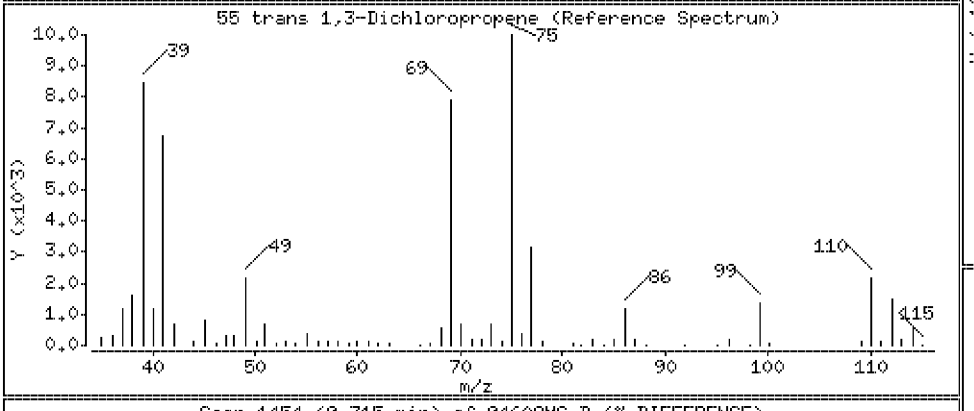
Column diameter: 0.18

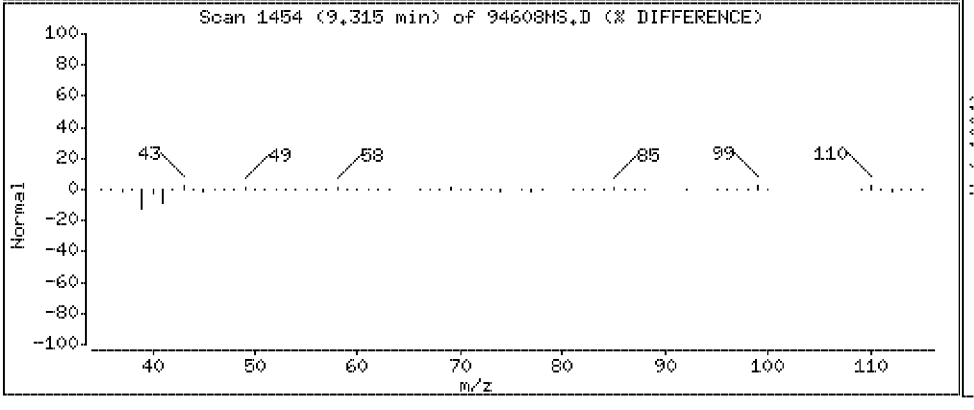
55 trans 1,3-Dichloropropene

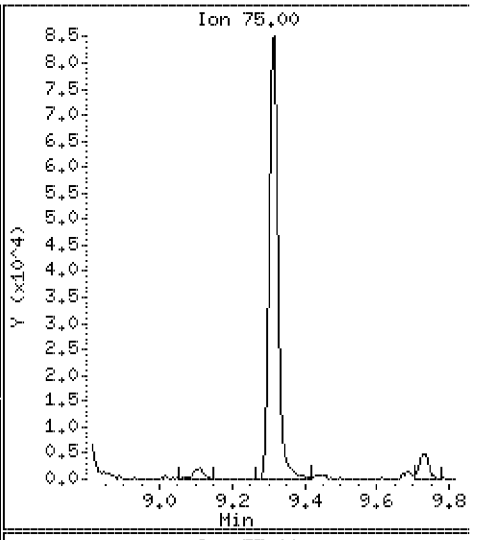
Concentration: 22.8 ug/l

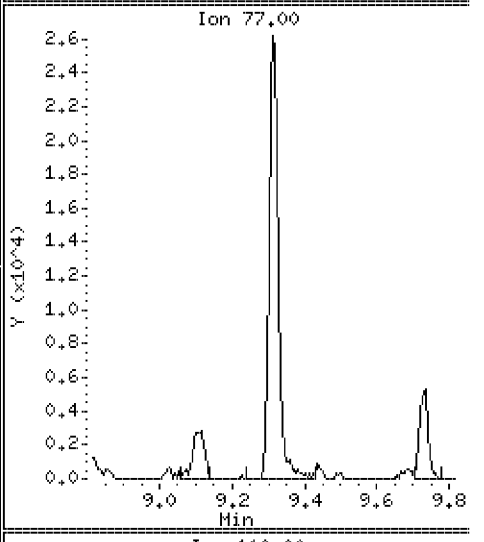


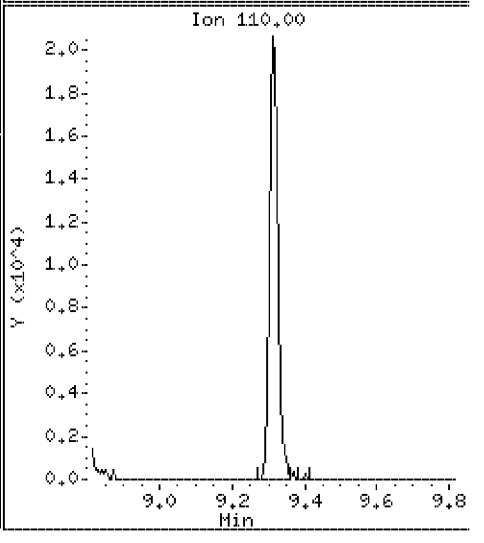












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

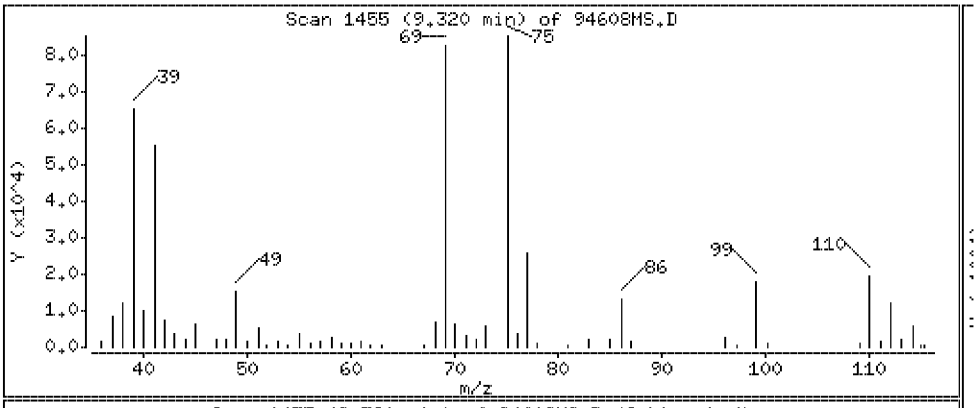
Operator:

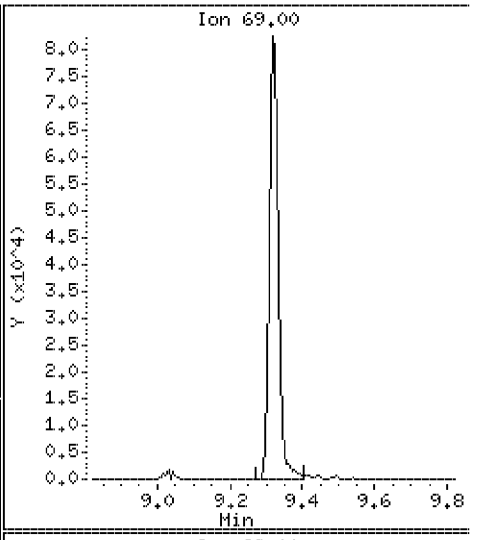
Column phase: DB-624

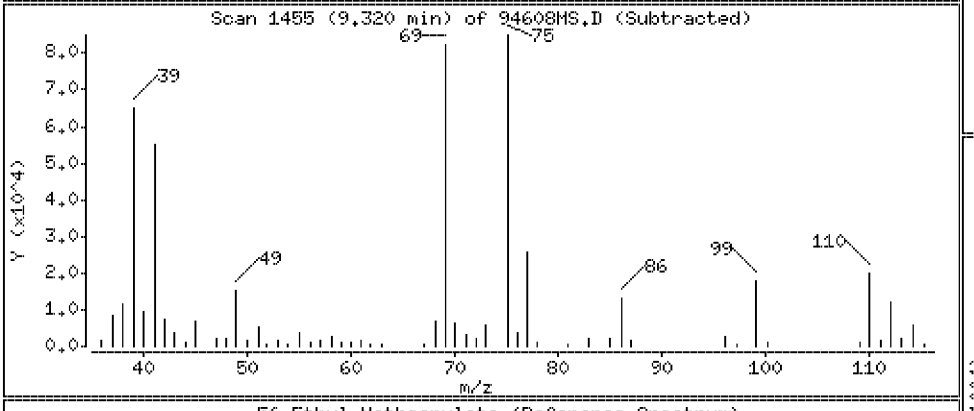
Column diameter: 0.18

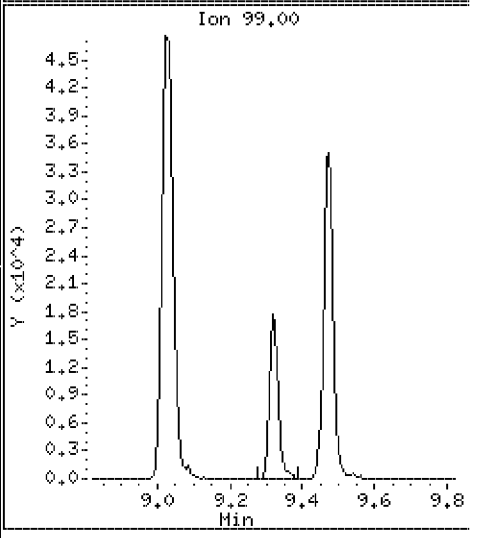
56 Ethyl Methacrylate

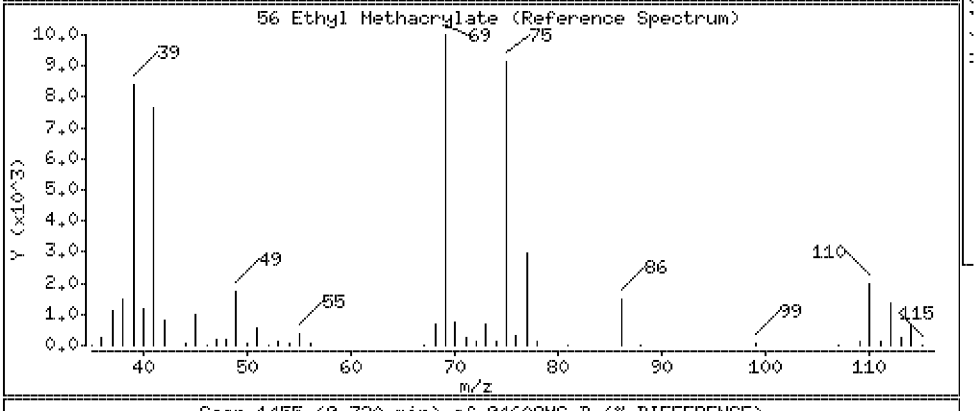
Concentration: 21.6 ug/l

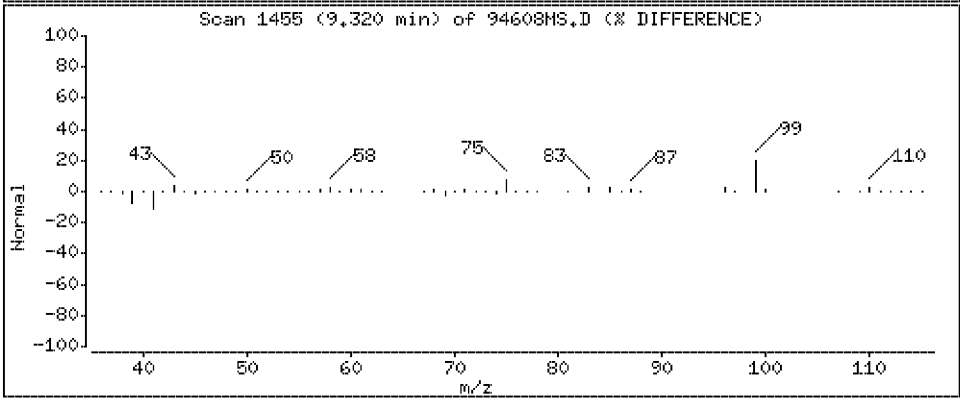












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

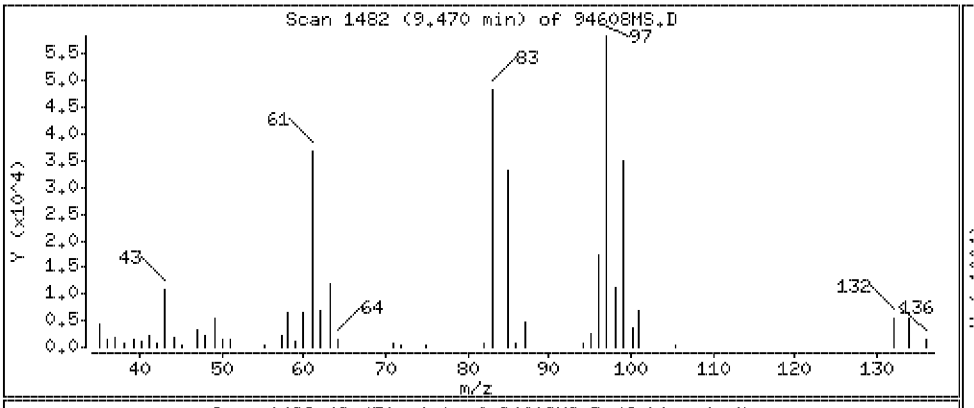
Operator:

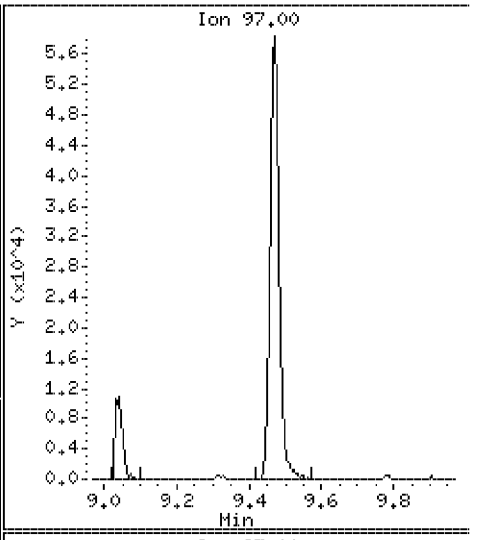
Column phase: DB-624

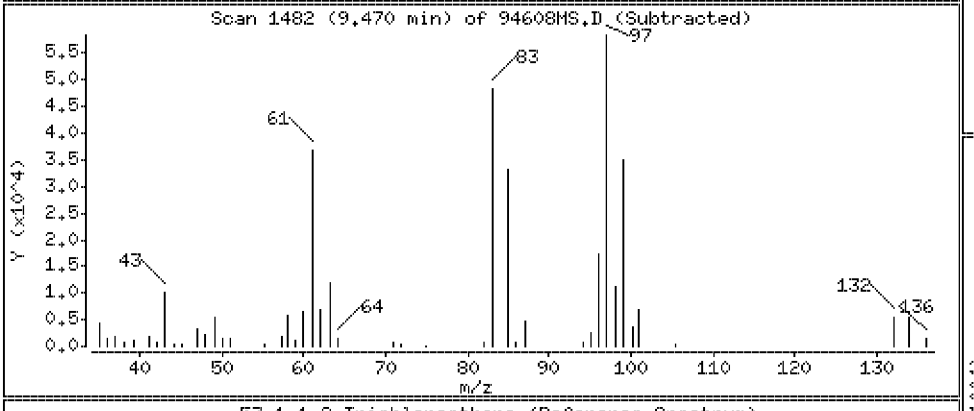
Column diameter: 0.18

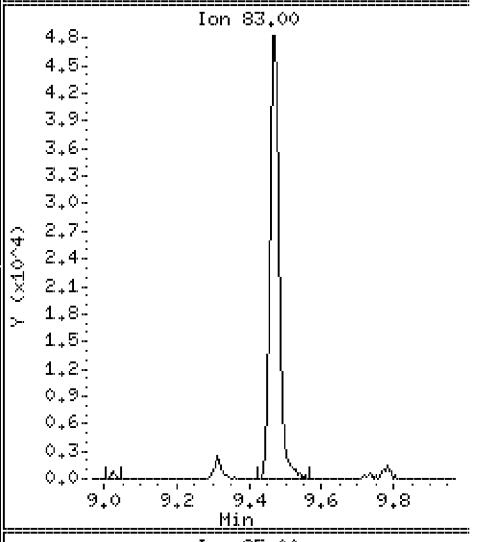
57 1,1,2-Trichloroethane

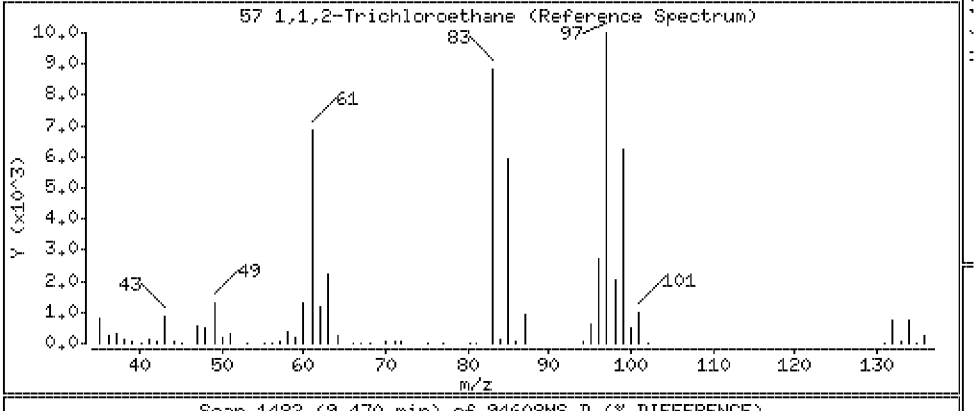
Concentration: 21.0 ug/l

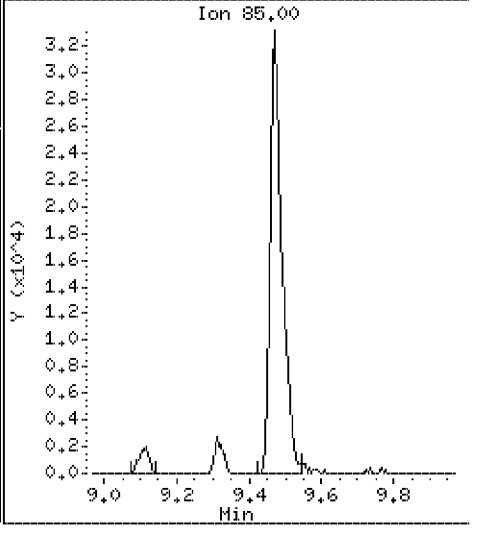


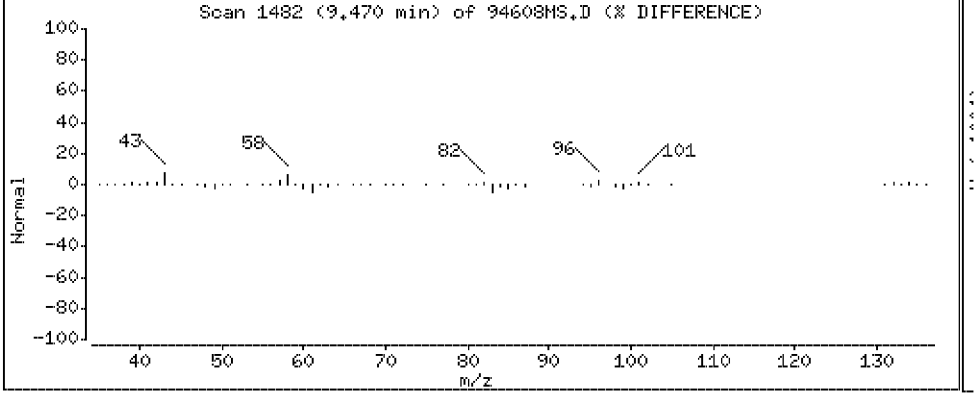












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

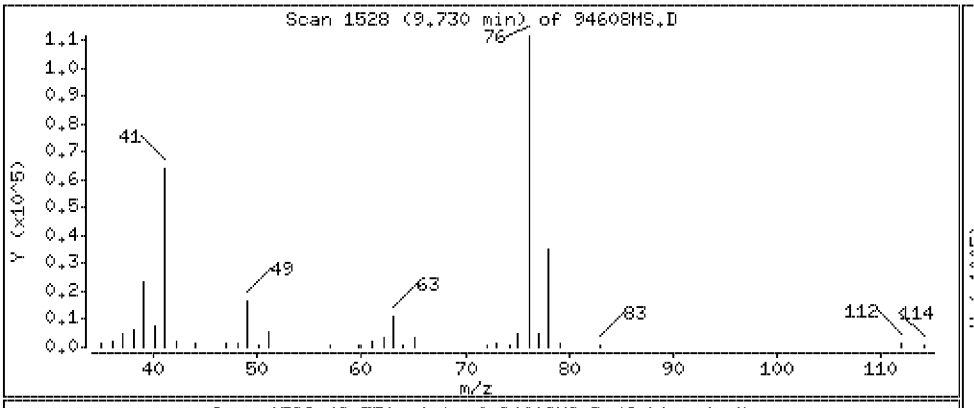
Operator:

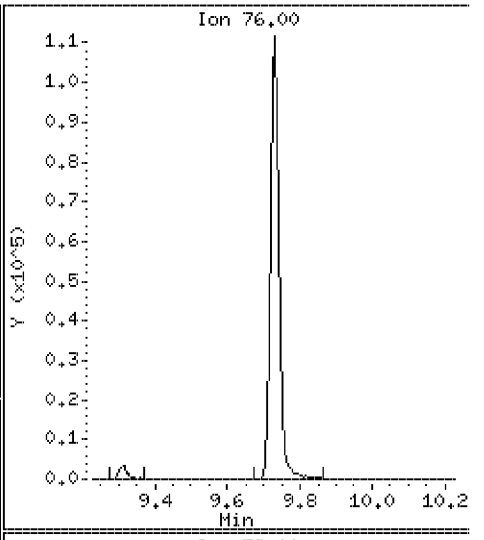
Column phase: DB-624

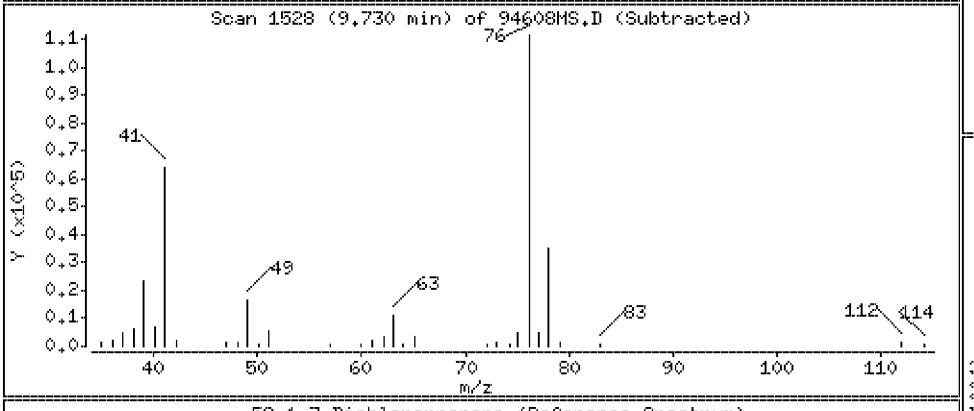
Column diameter: 0.18

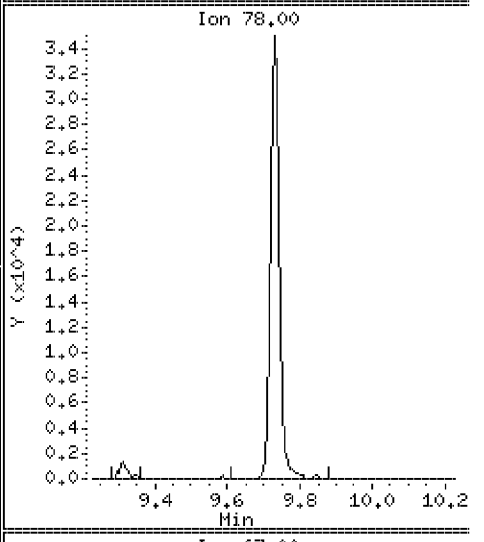
58 1,3-Dichloropropane

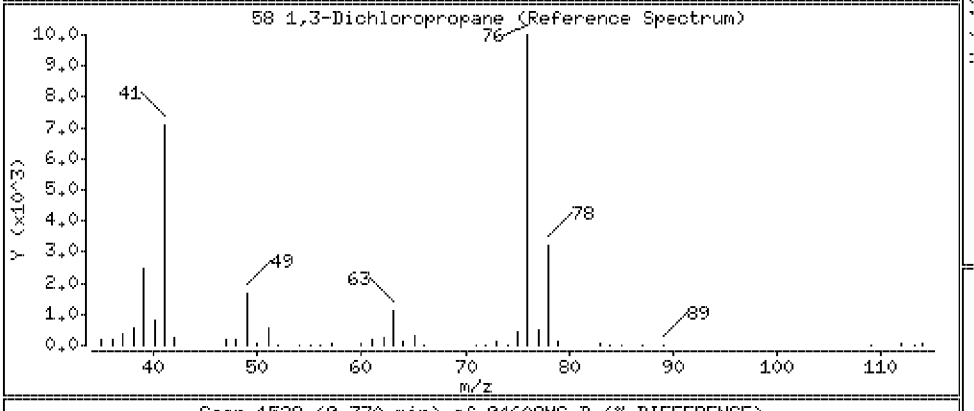
Concentration: 20.9 ug/l

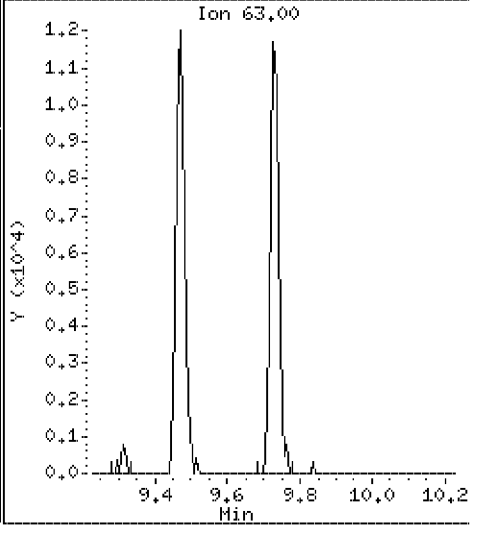


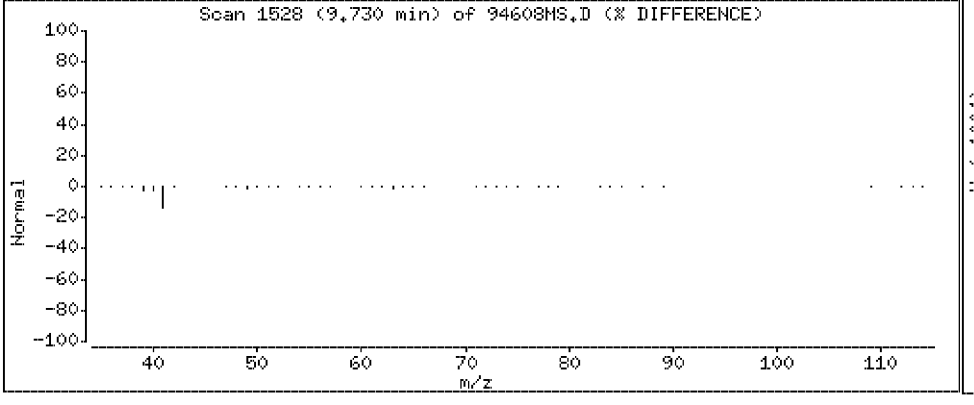












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

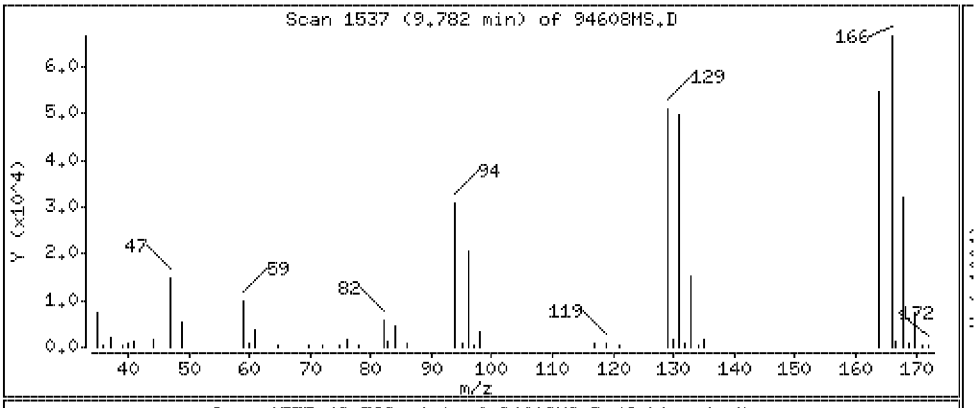
Operator:

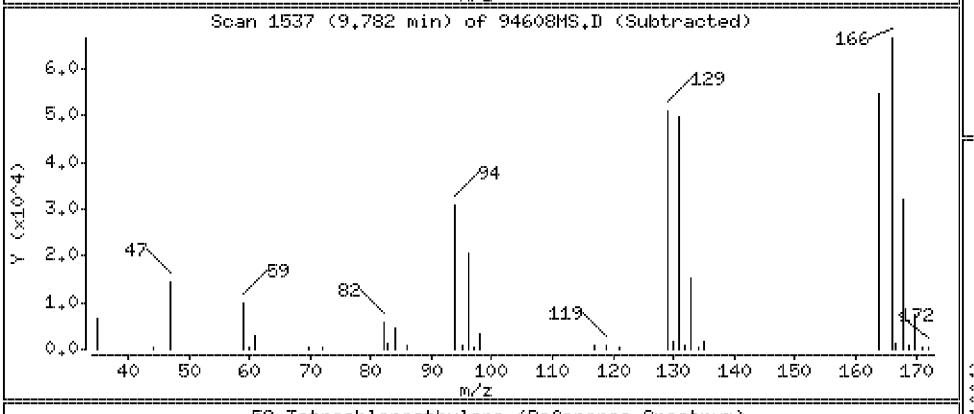
Column phase: DB-624

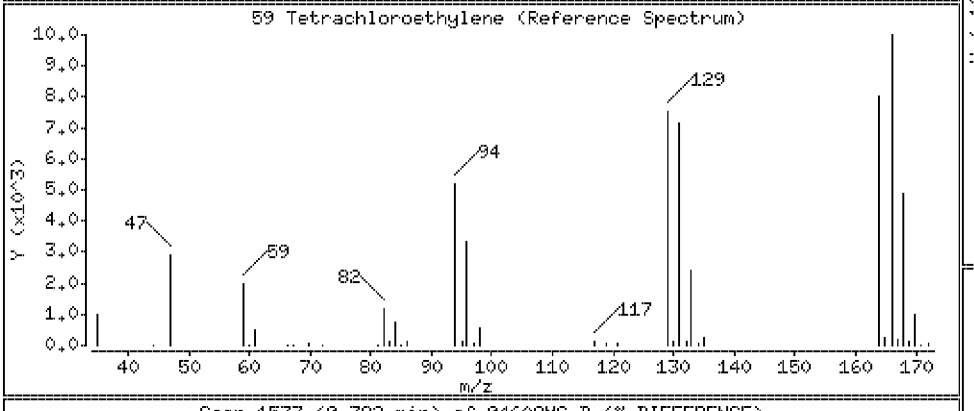
Column diameter: 0.18

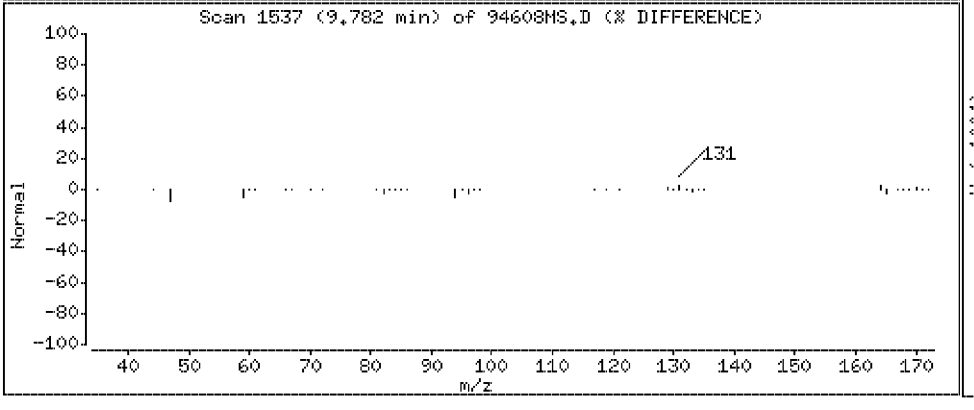
59 Tetrachloroethylene

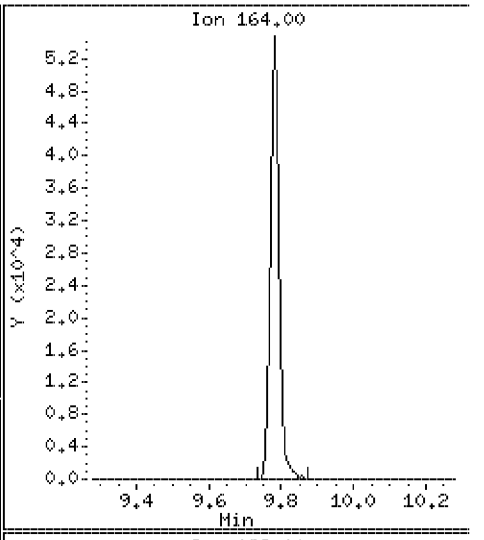
Concentration: 23.0 ug/l

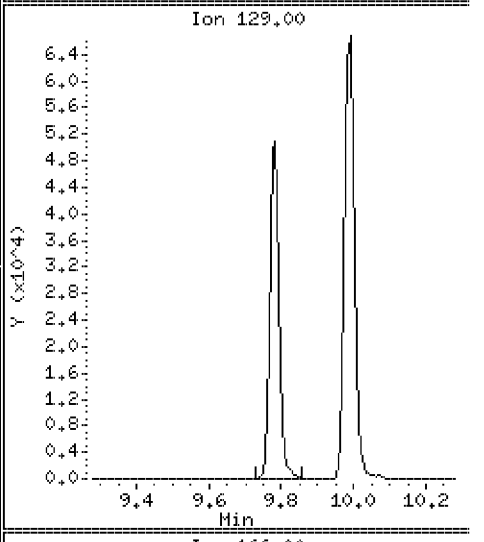


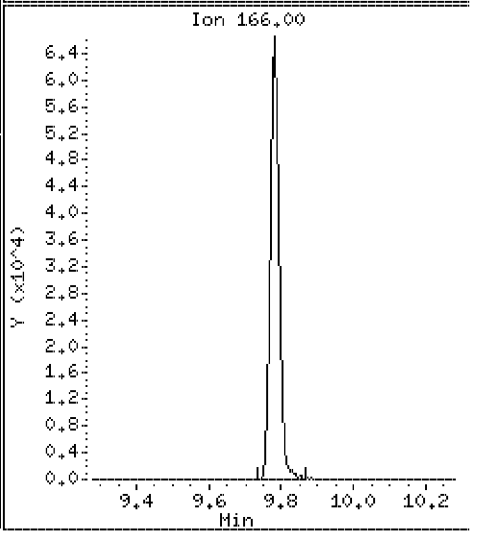












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

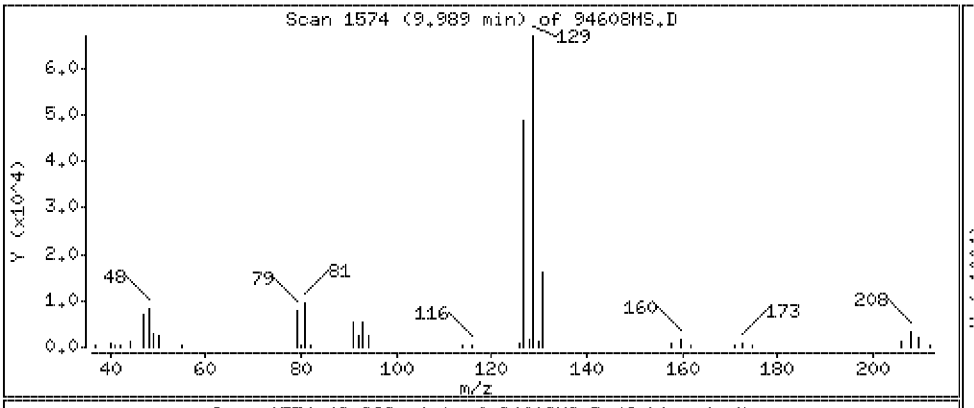
Operator:

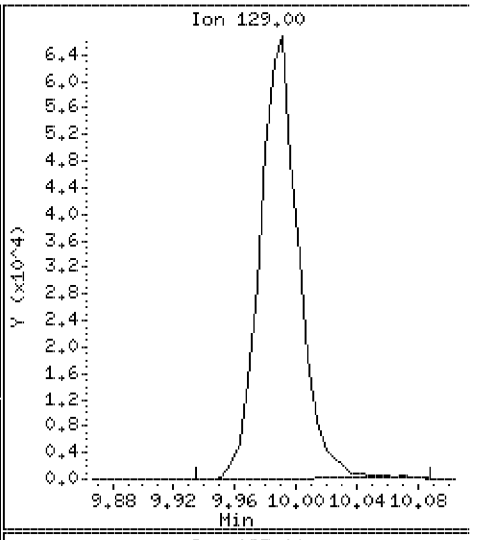
Column phase: DB-624

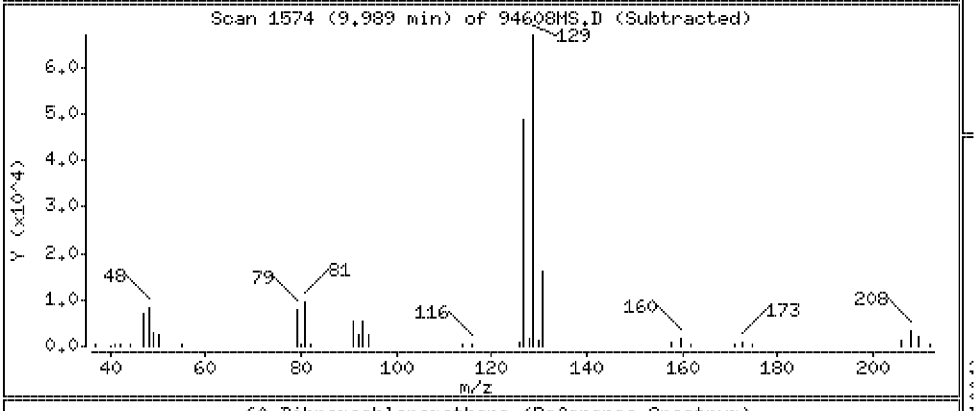
Column diameter: 0.18

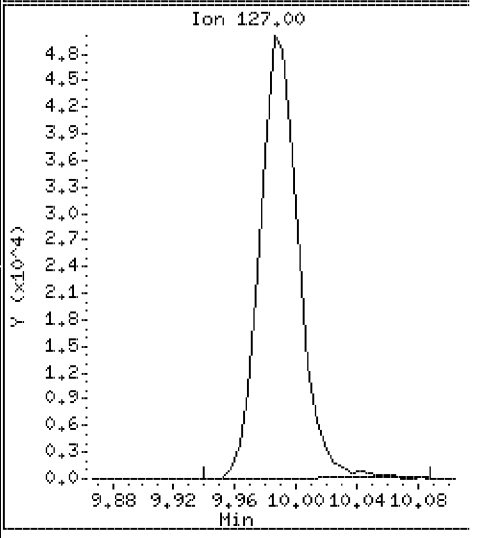
60 Dibromochloromethane

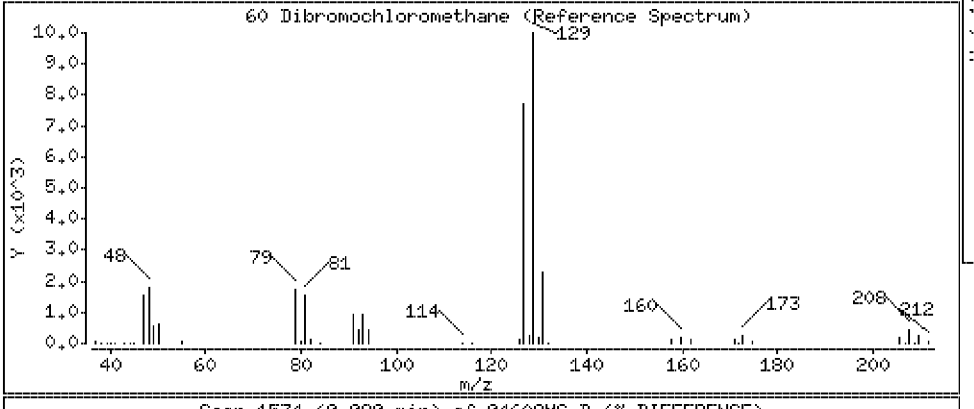
Concentration: 22.1 ug/l

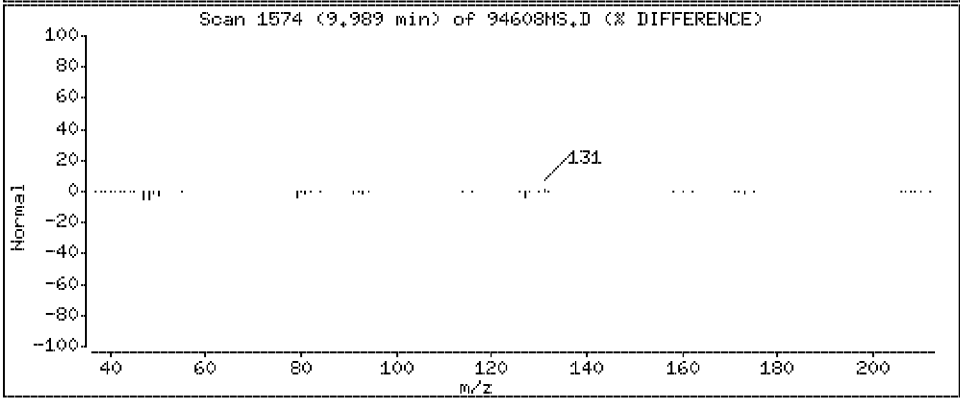












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Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

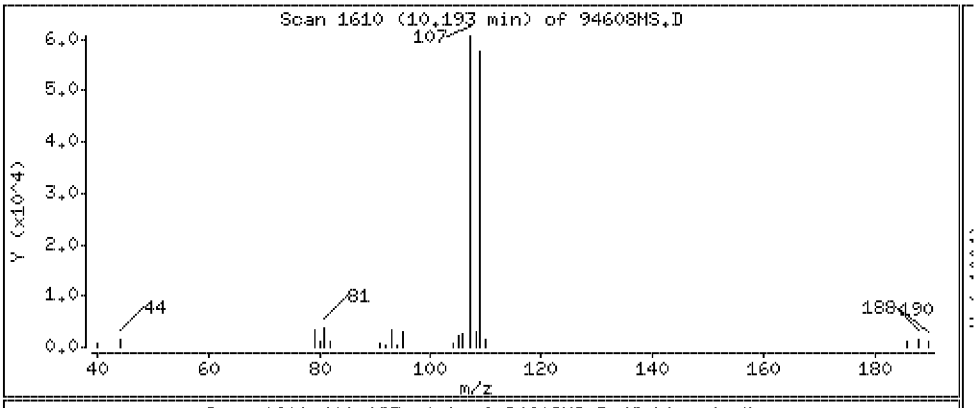
Operator:

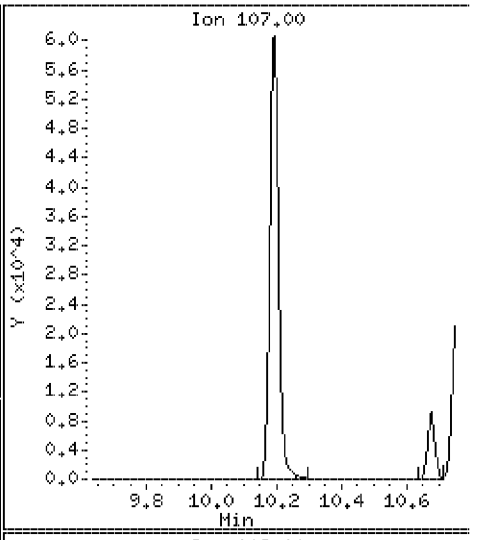
Column phase: DB-624

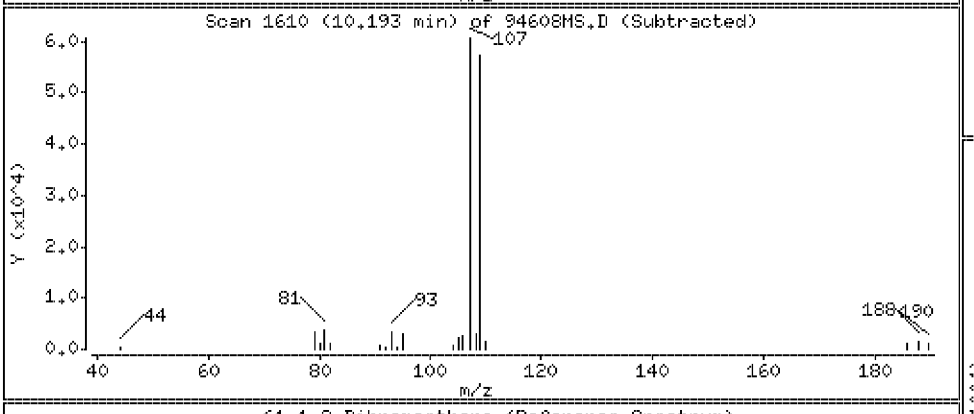
Column diameter: 0.18

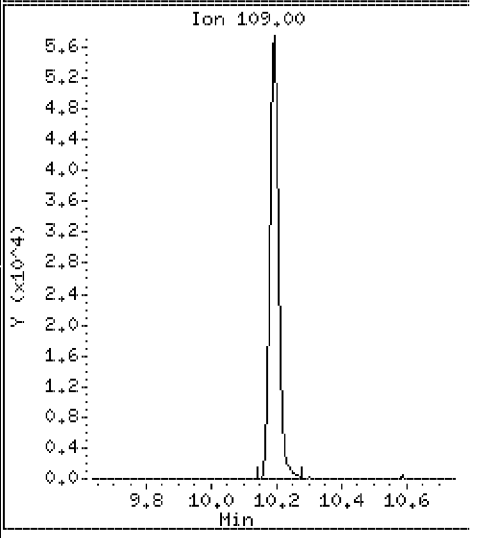
61 1,2-Dibromoethane

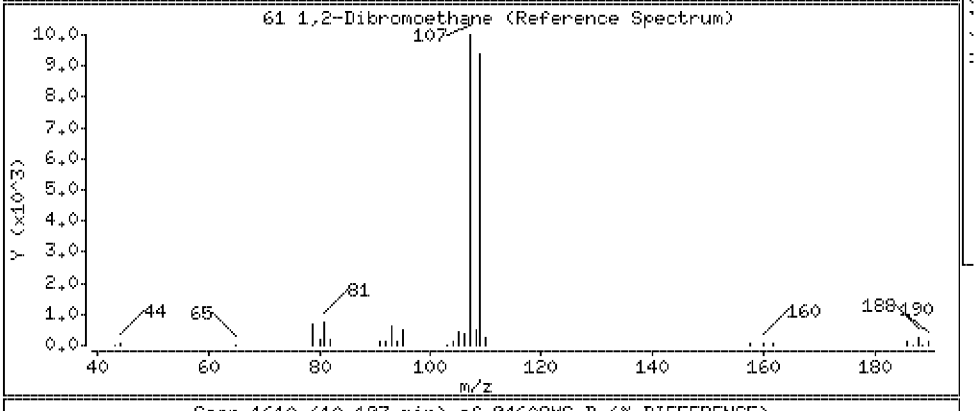
Concentration: 21.1 ug/l

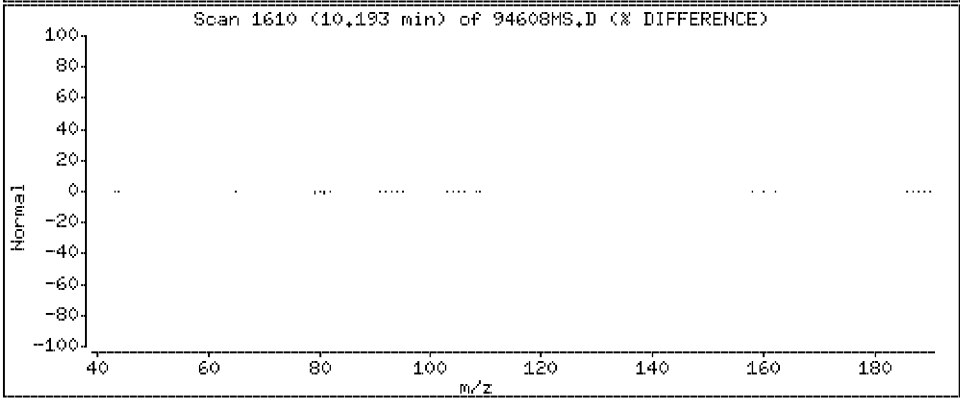












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

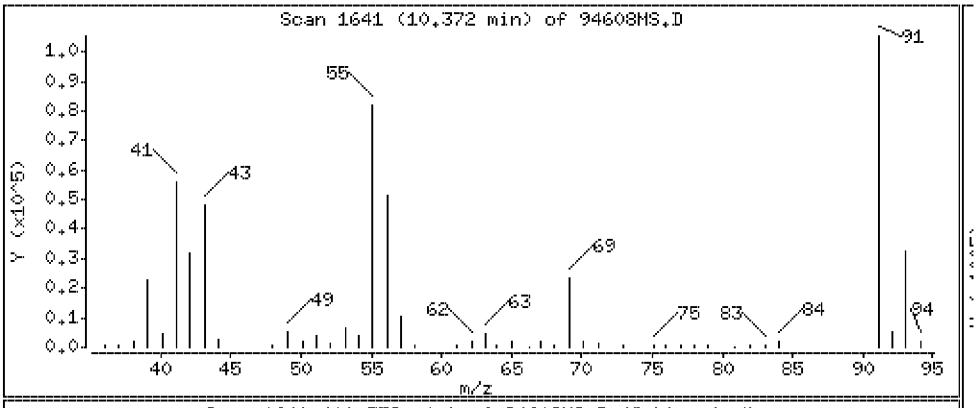
Operator:

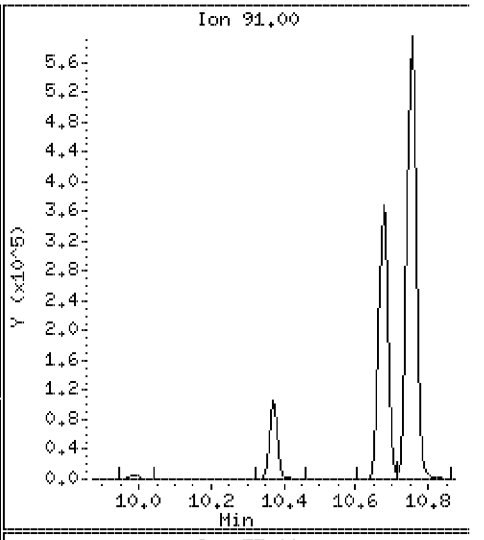
Column phase: DB-624

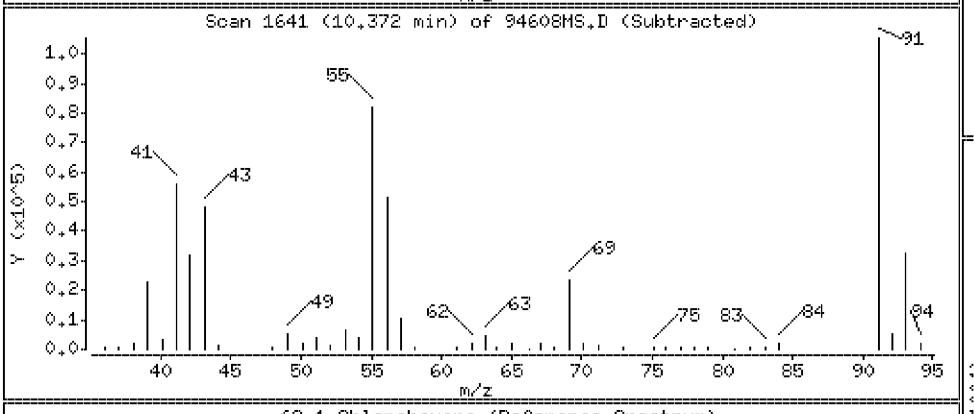
Column diameter: 0.18

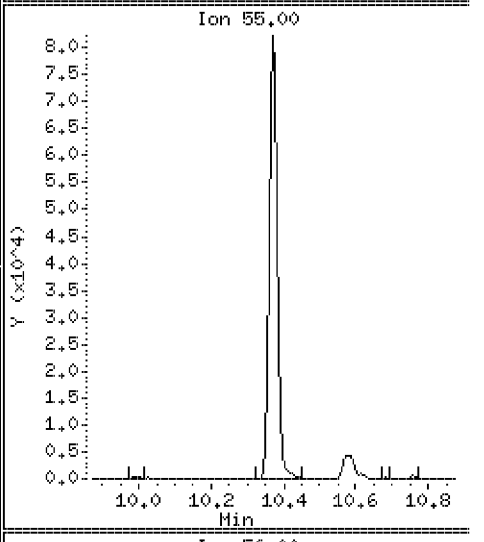
62 1-Chlorohexane

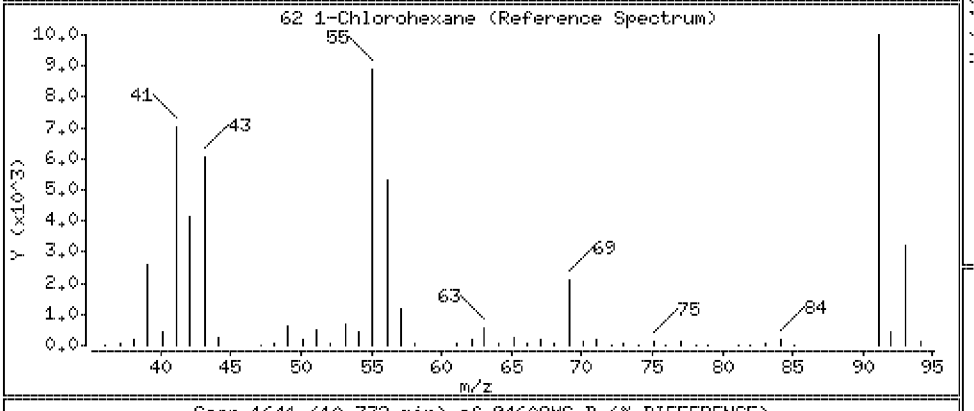
Concentration: 22.6 ug/l

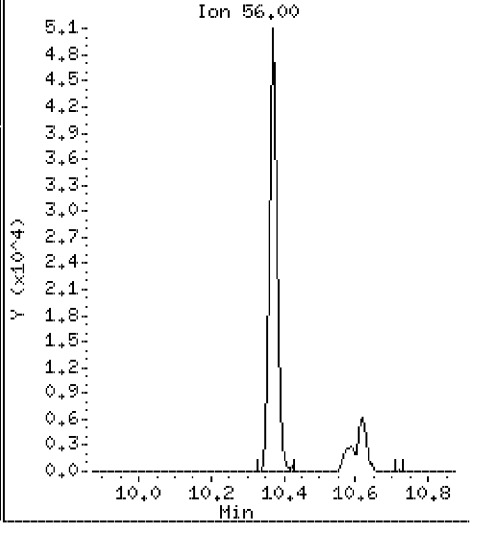


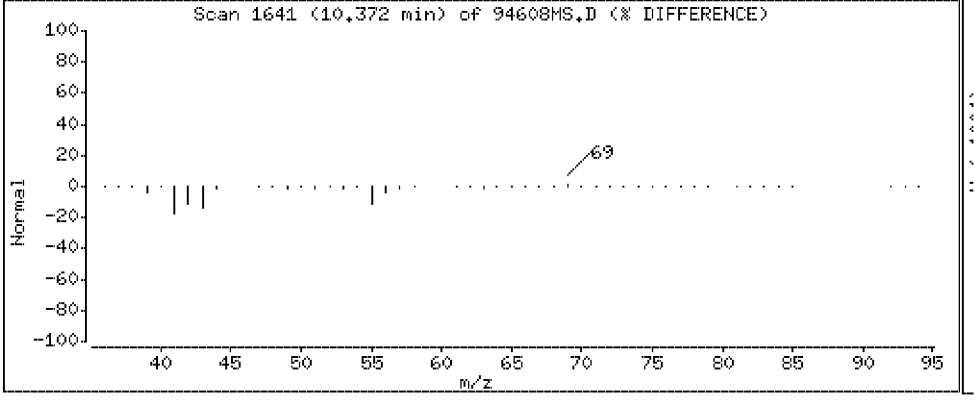












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

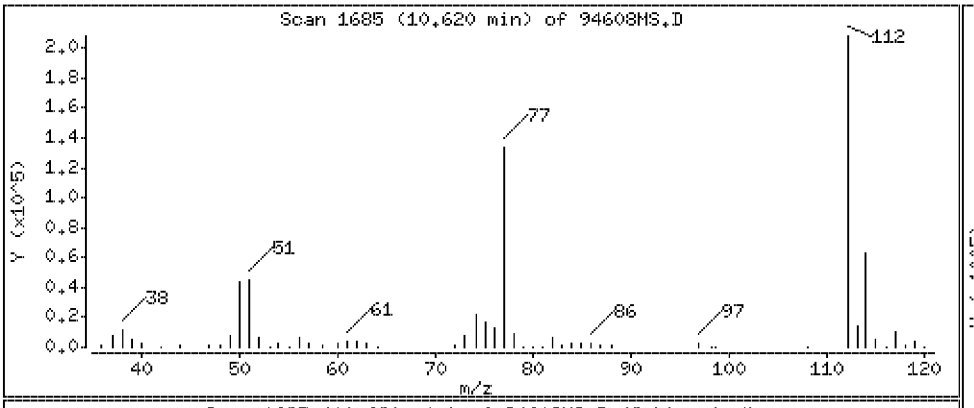
Operator:

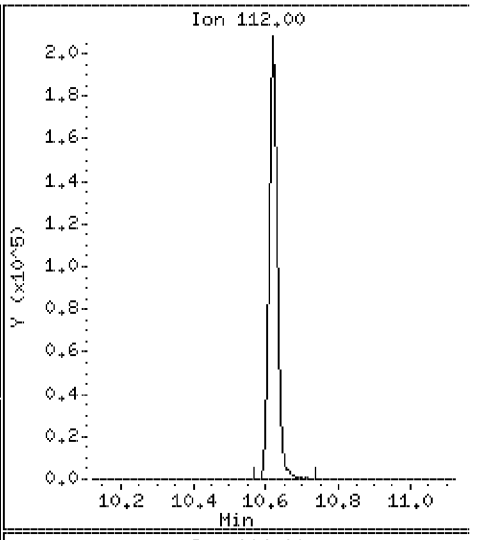
Column phase: DB-624

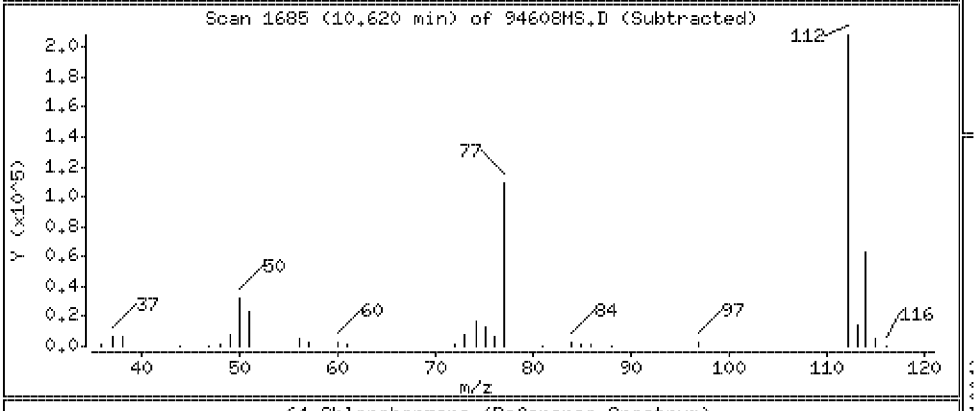
Column diameter: 0.18

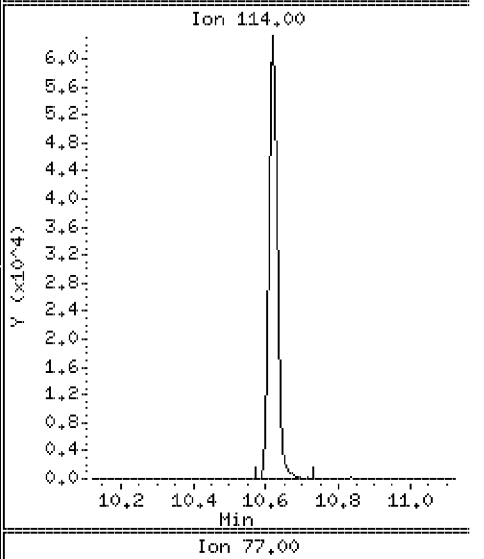
64 Chlorobenzene

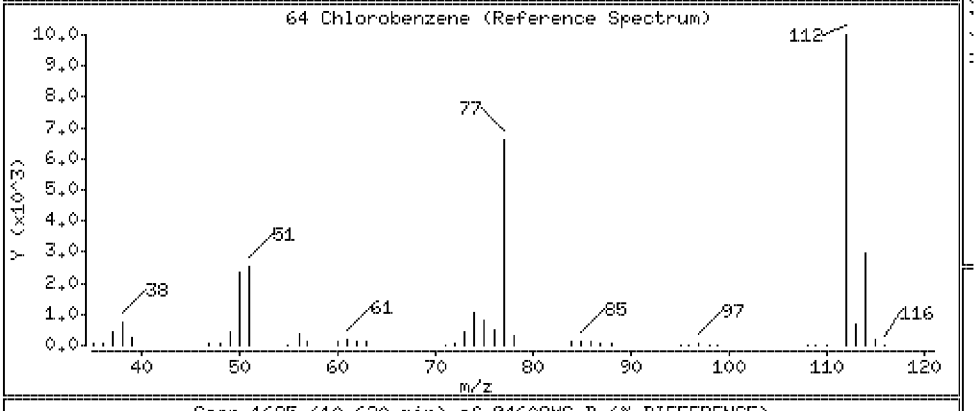
Concentration: 21.3 ug/l

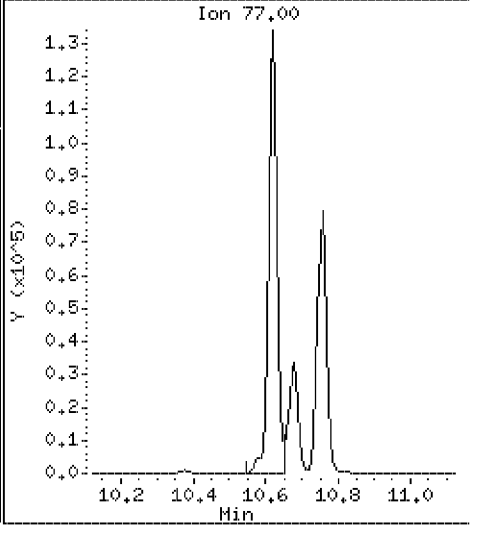


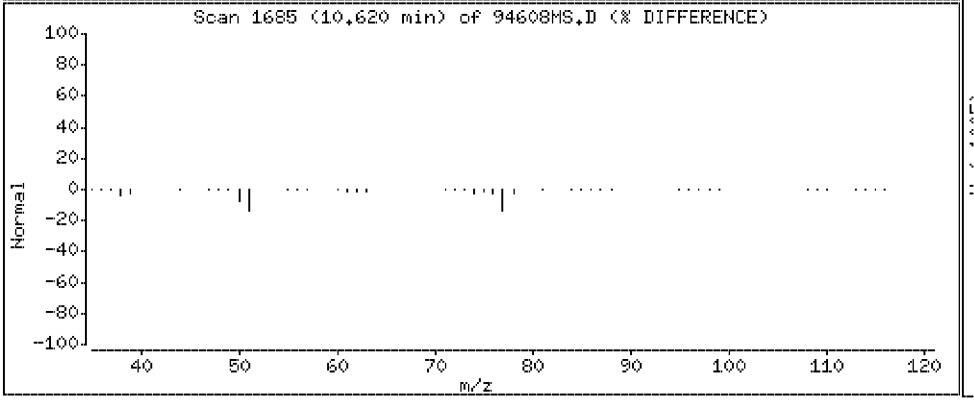












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

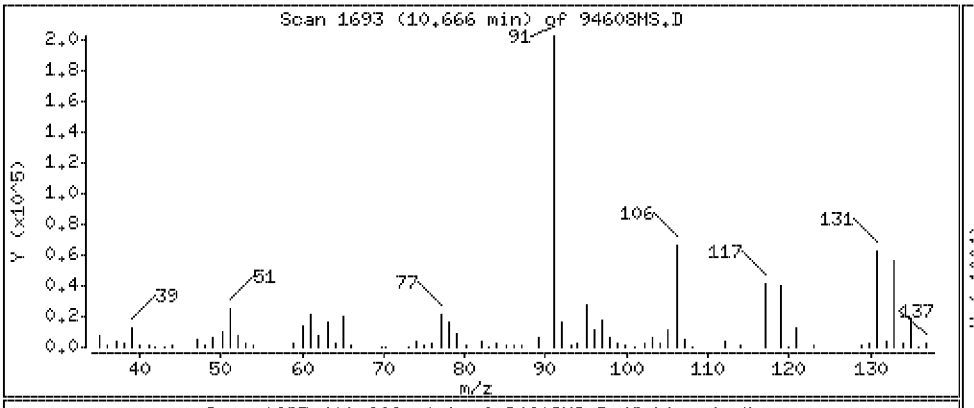
Operator:

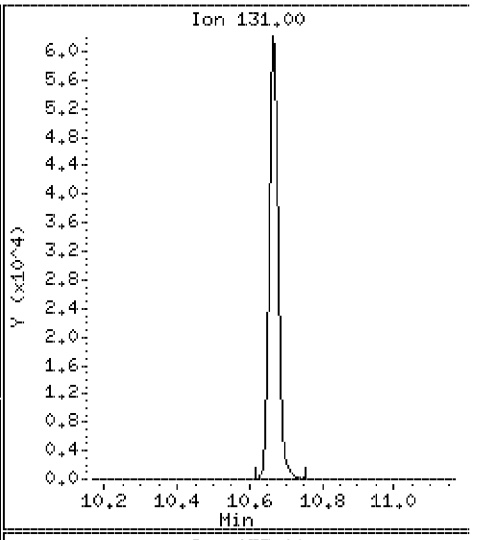
Column phase: DB-624

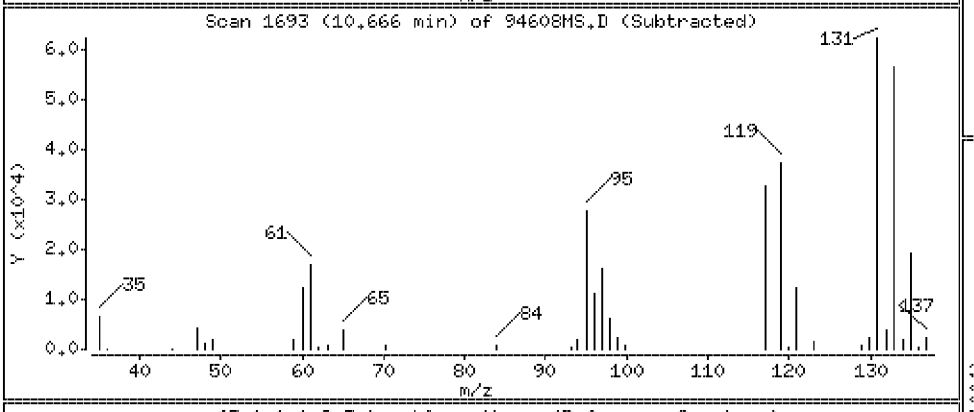
Column diameter: 0.18

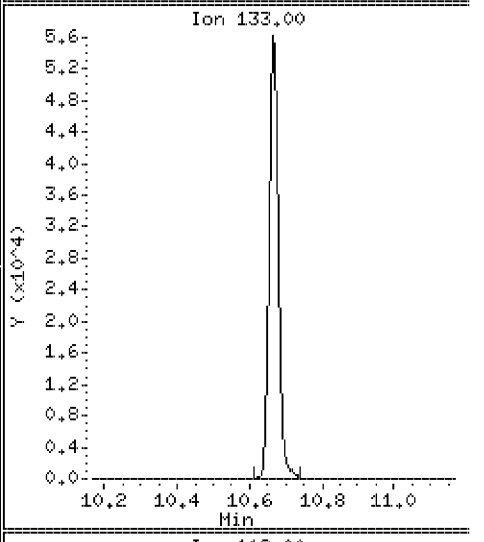
65 1,1,1,2-Tetrachloroethane

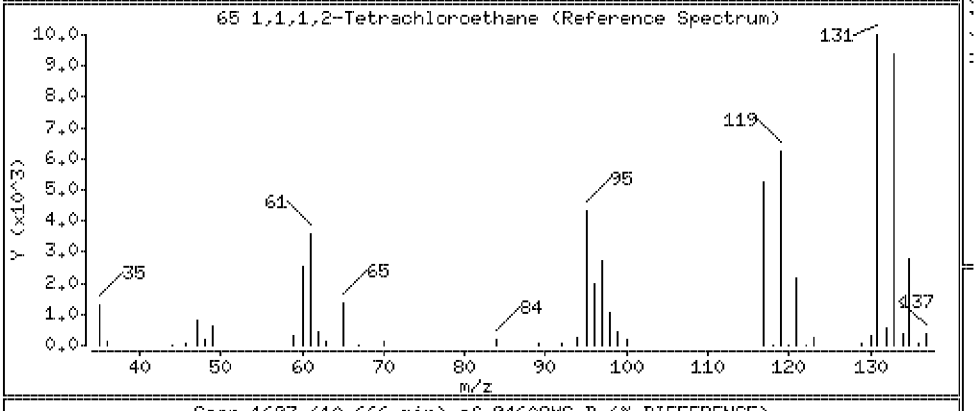
Concentration: 22.7 ug/l

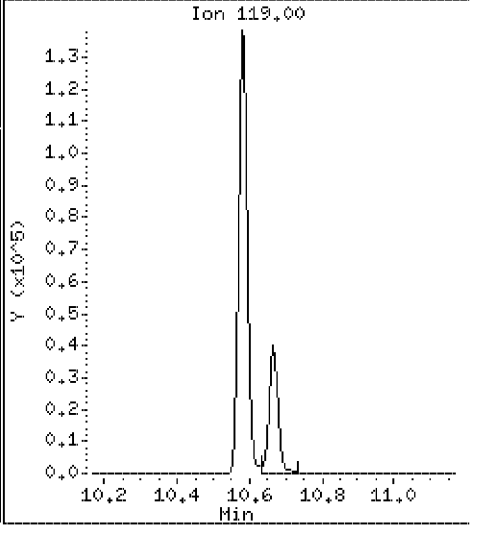


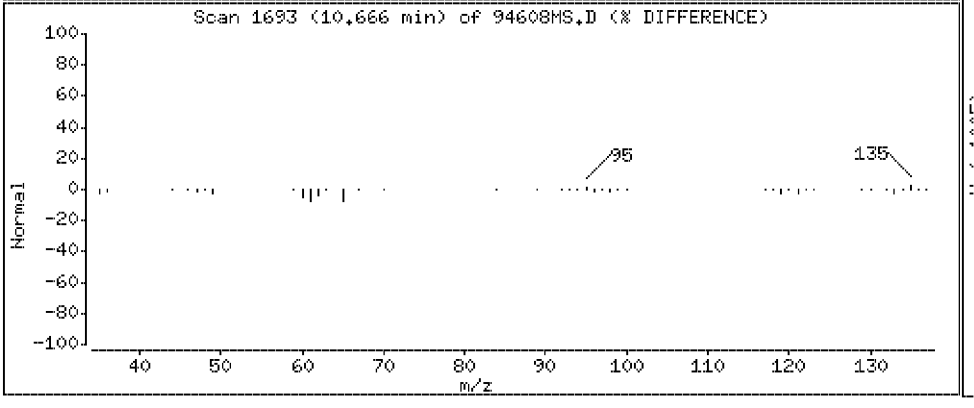












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

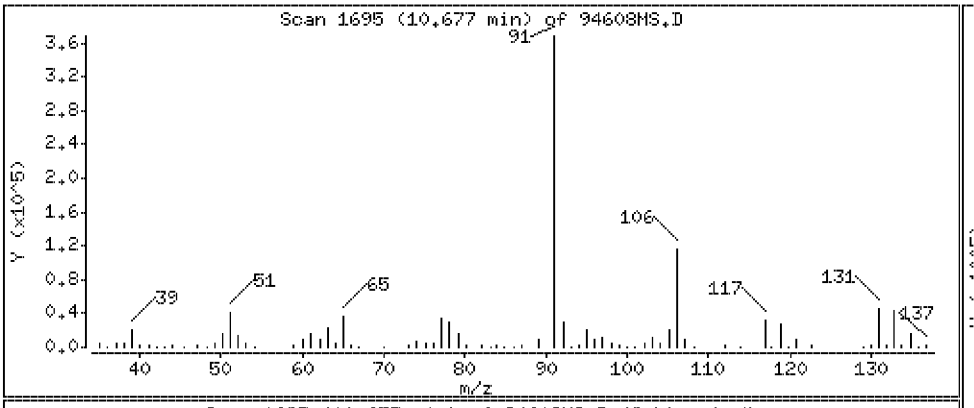
Operator:

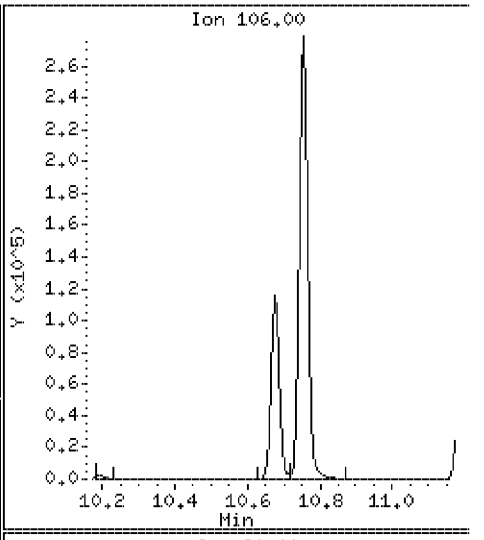
Column phase: DB-624

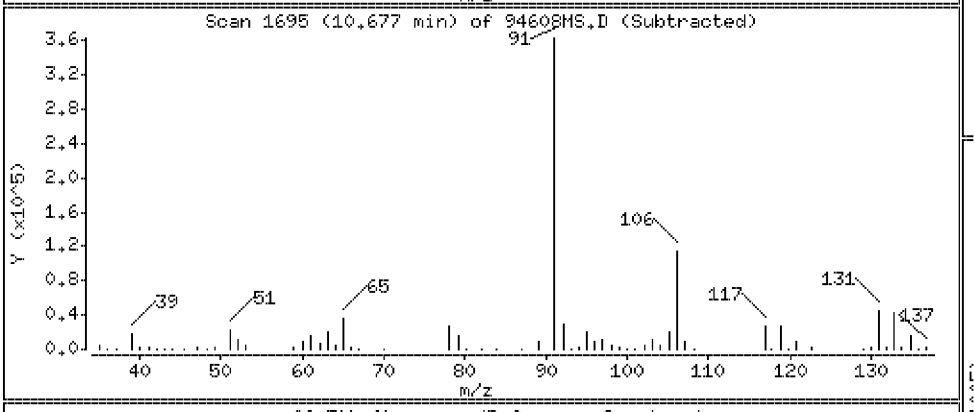
Column diameter: 0.18

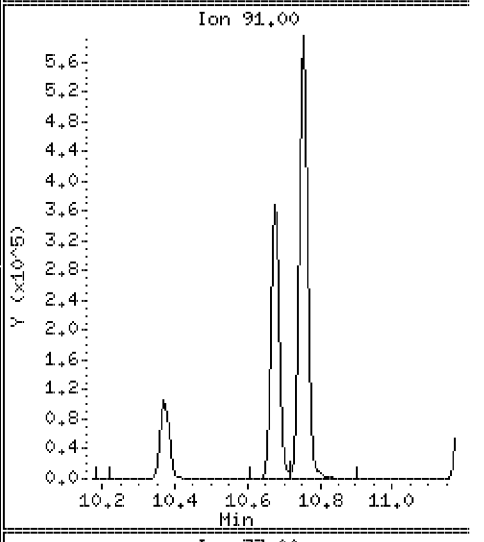
66 Ethylbenzene

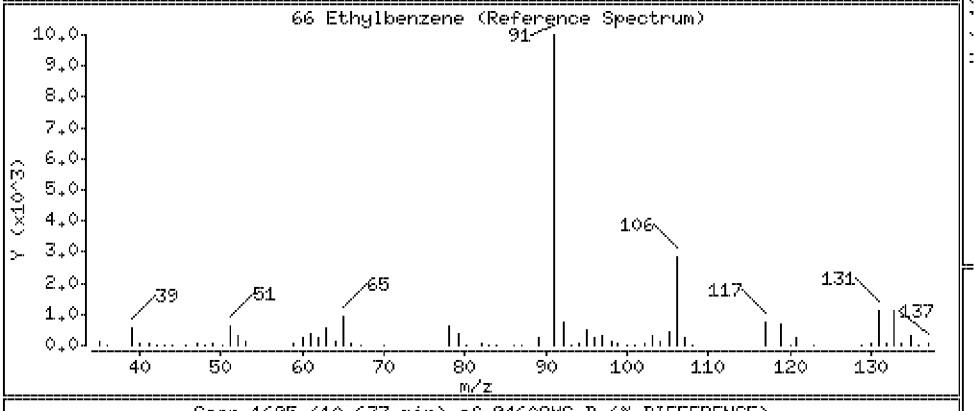
Concentration: 21.7 ug/l

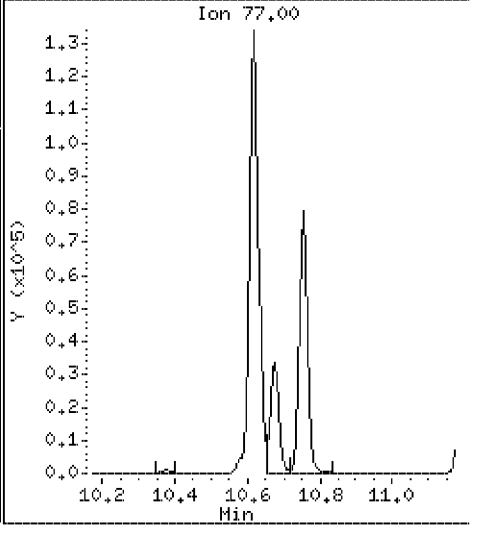


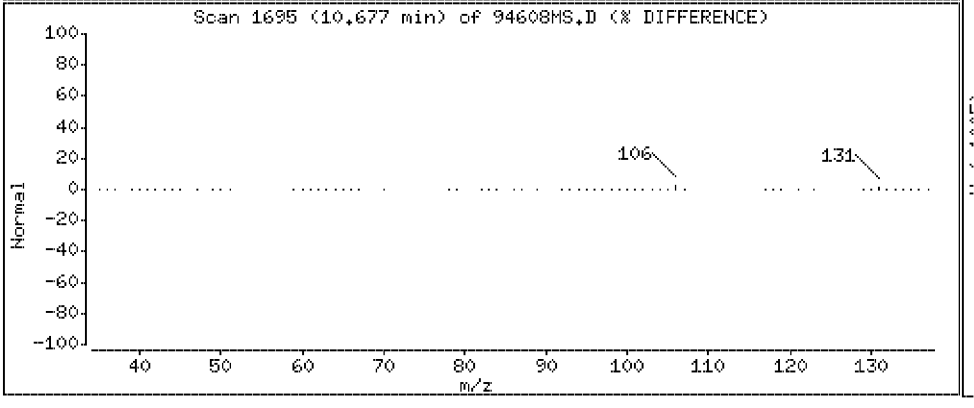












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

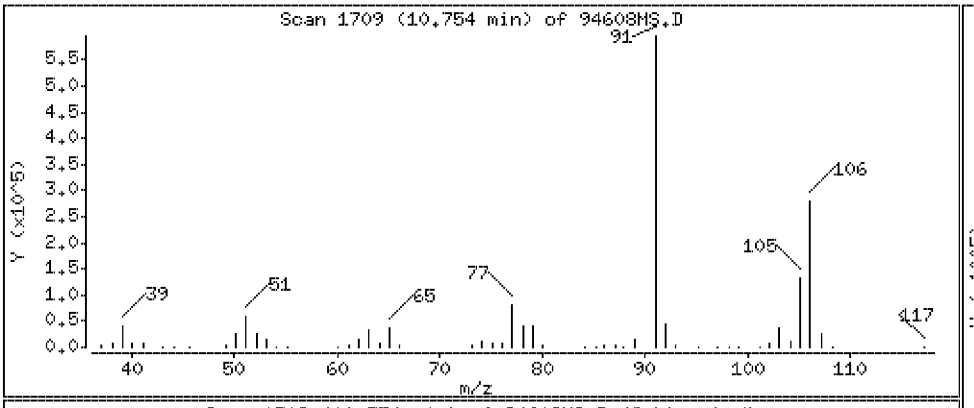
Operator:

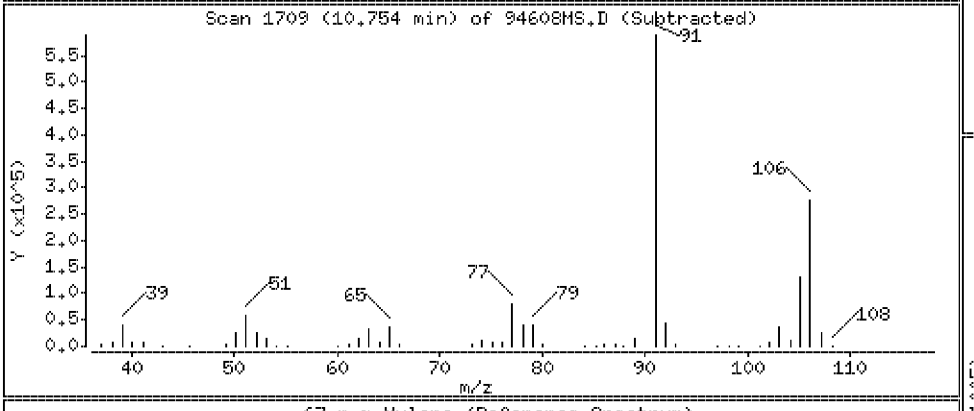
Column phase: DB-624

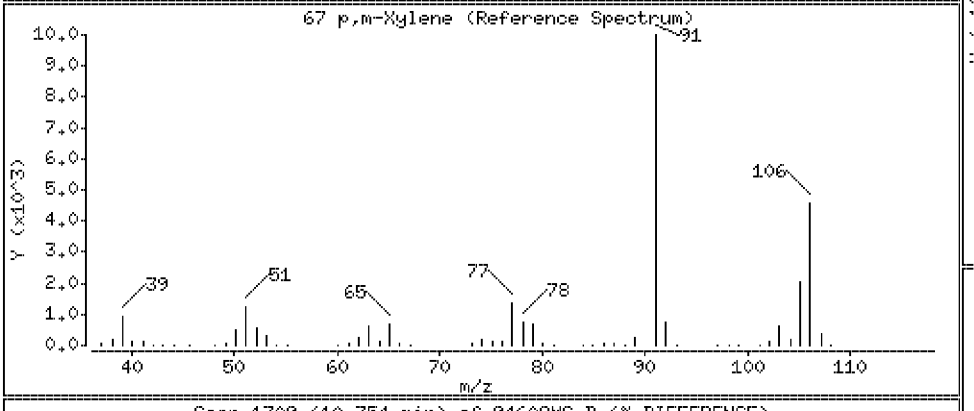
Column diameter: 0.18

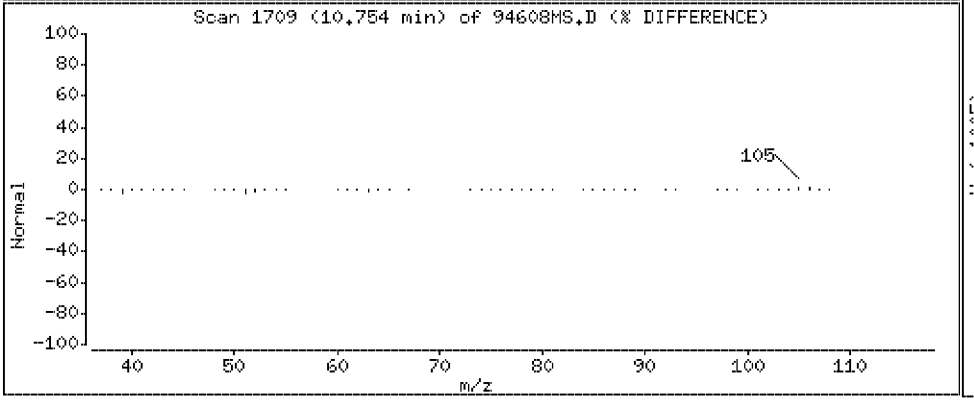
67 p,m-Xylene

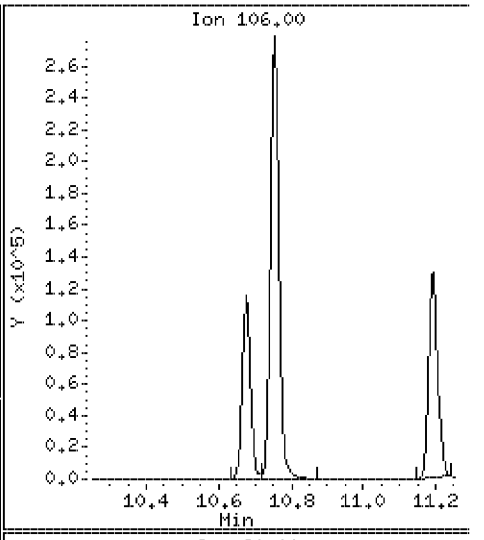
Concentration: 43.6 ug/l

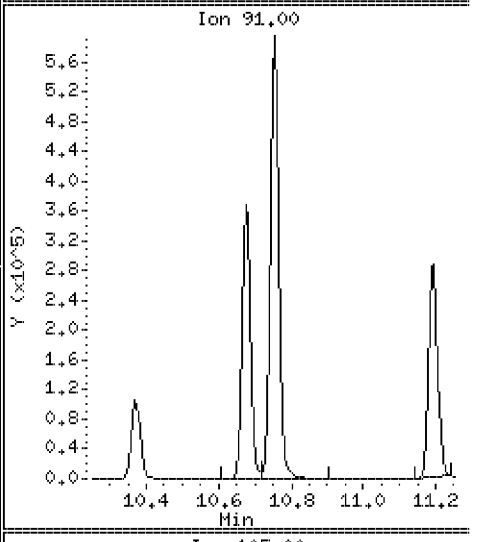


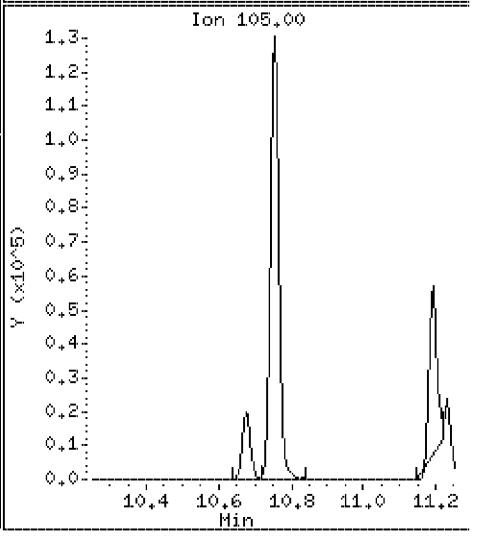












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

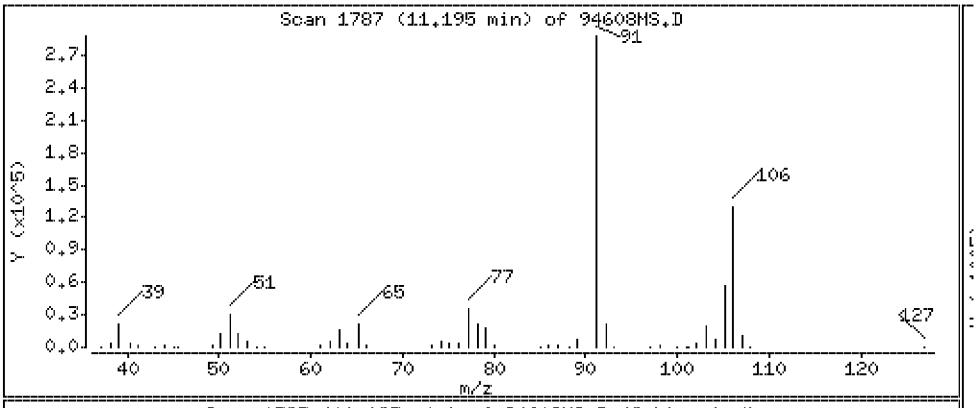
Operator:

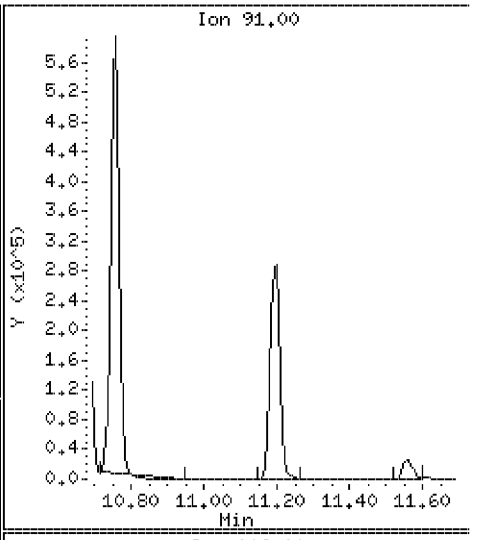
Column phase: DB-624

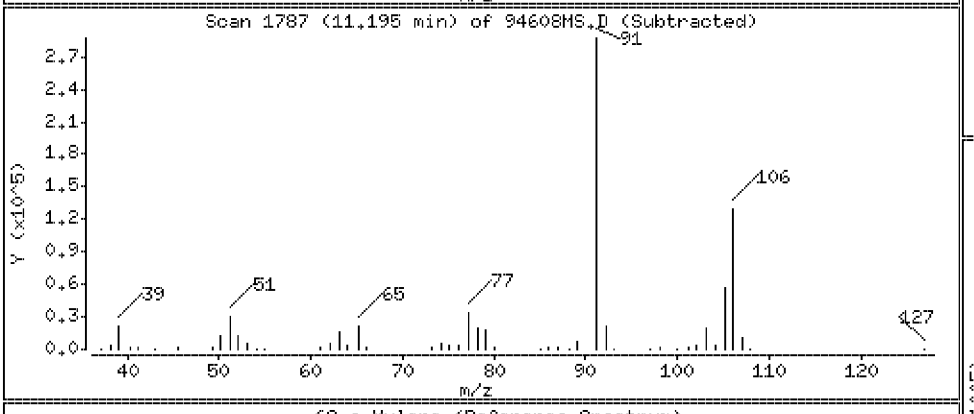
Column diameter: 0.18

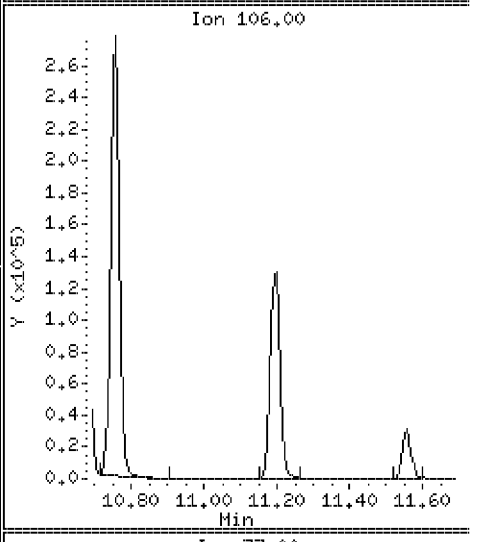
68 o-Xylene

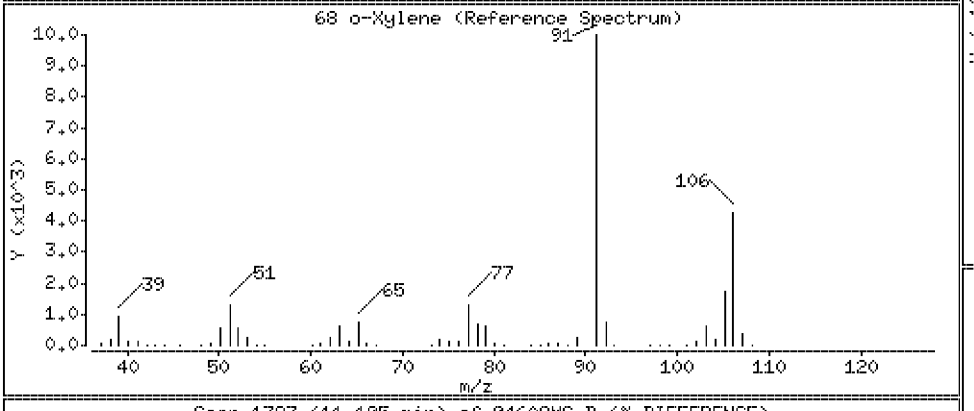
Concentration: 21.8 ug/l

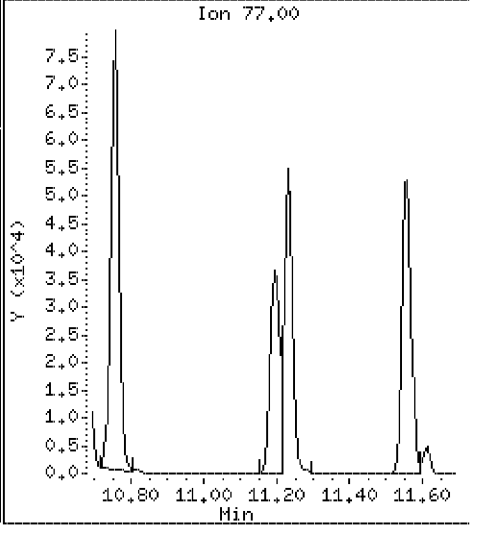


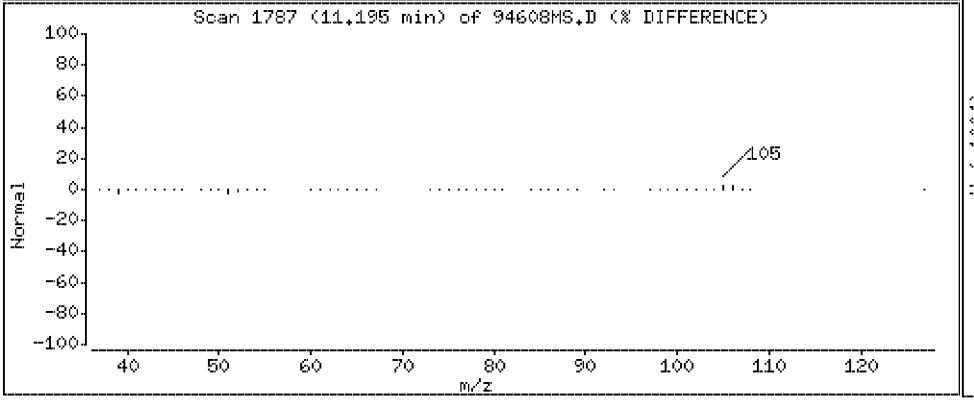












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

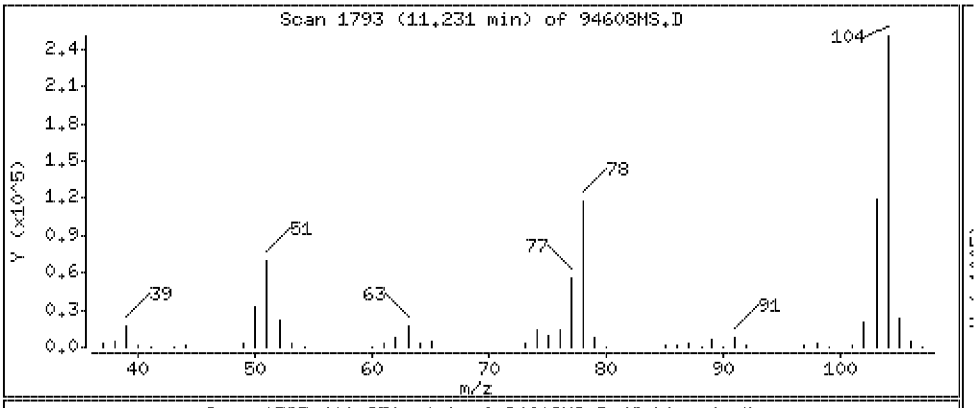
Operator:

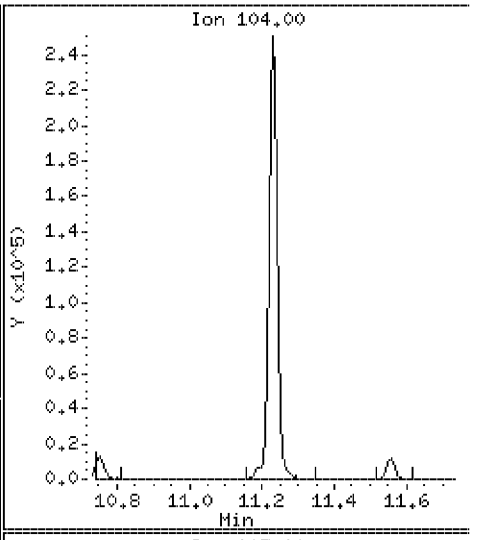
Column phase: DB-624

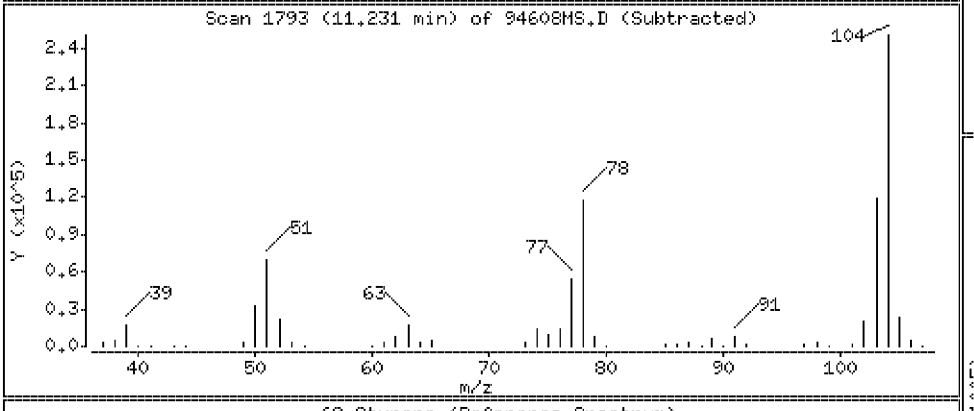
Column diameter: 0.18

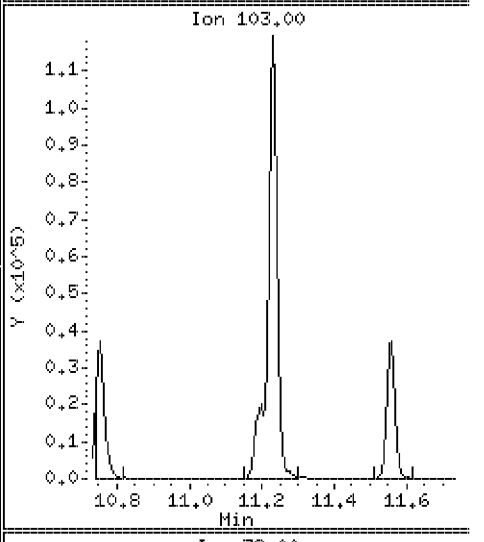
69 Styrene

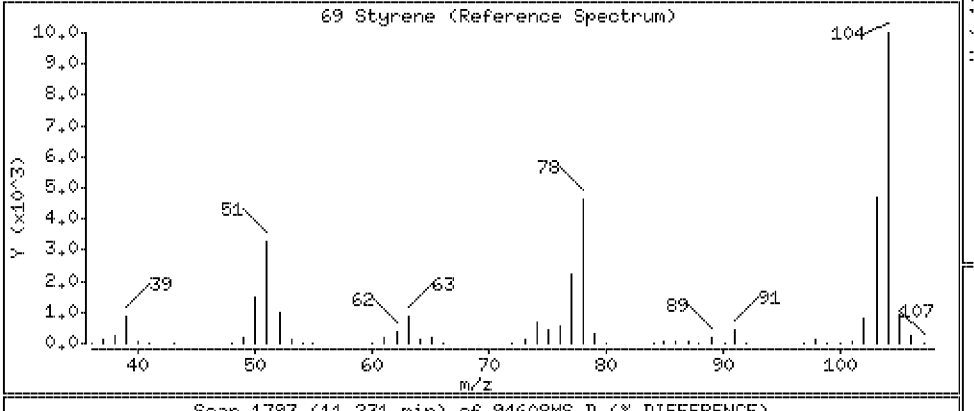
Concentration: 21.9 ug/l

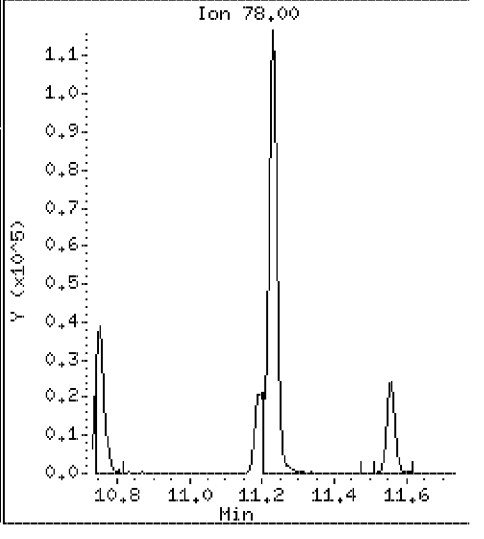


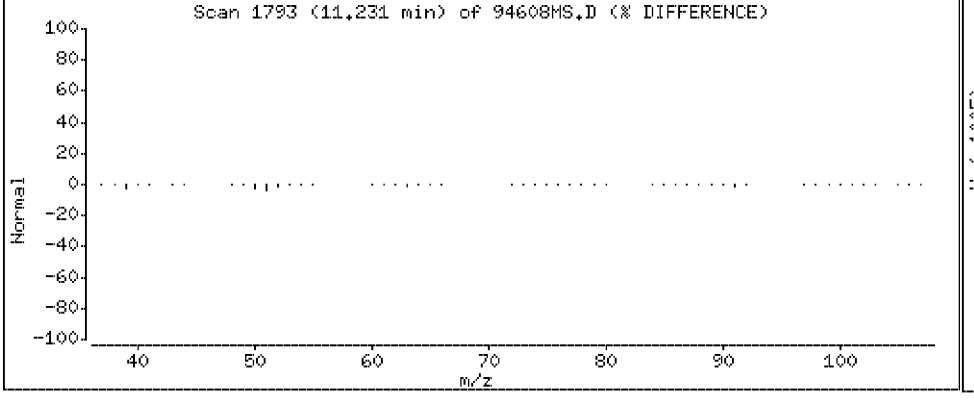












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

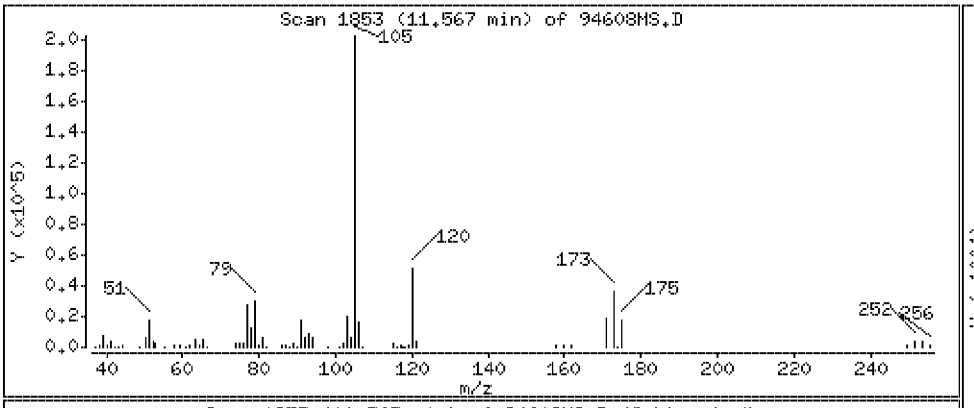
Operator:

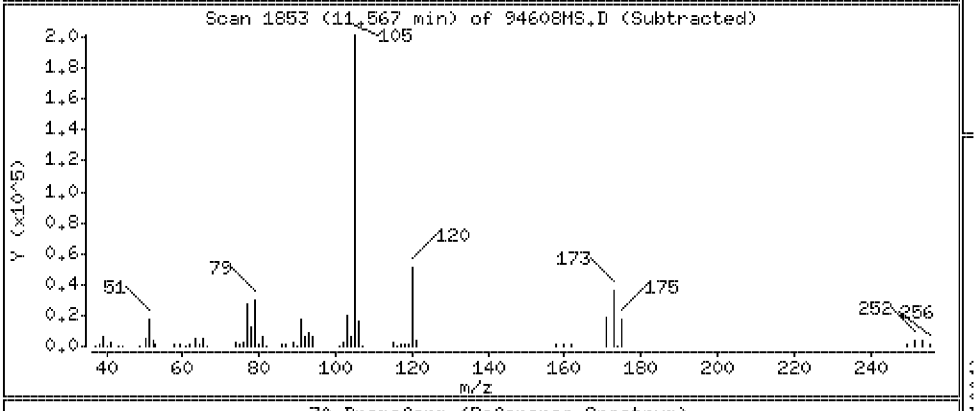
Column phase: DB-624

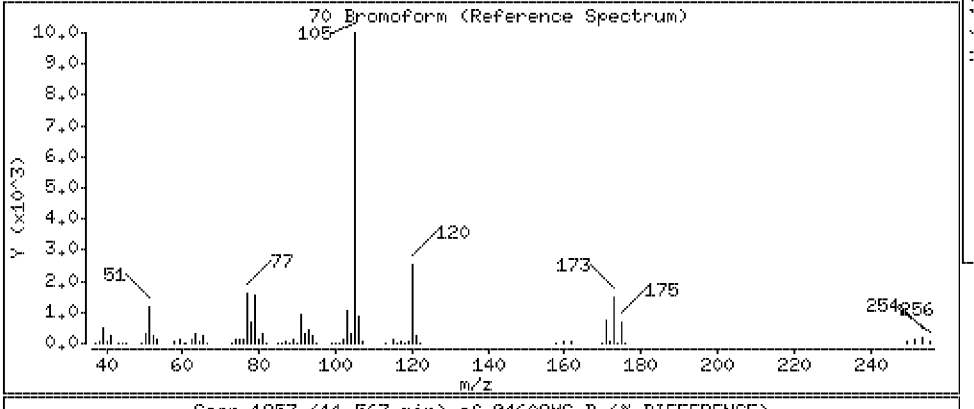
Column diameter: 0.18

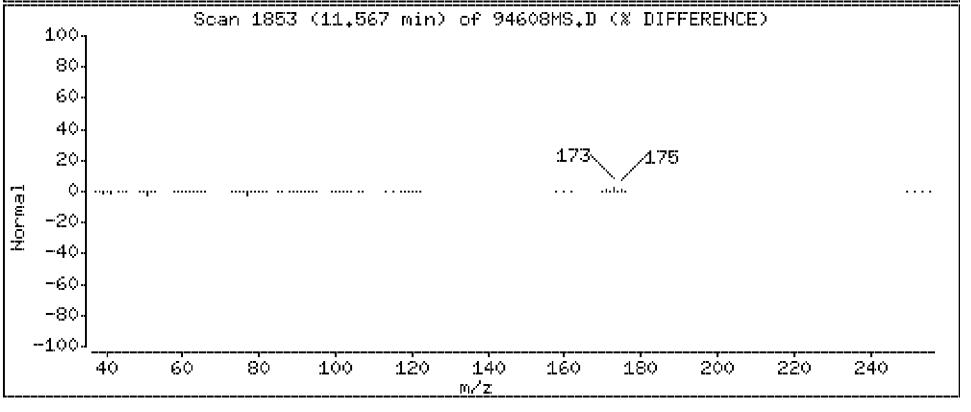
70 Bromoform

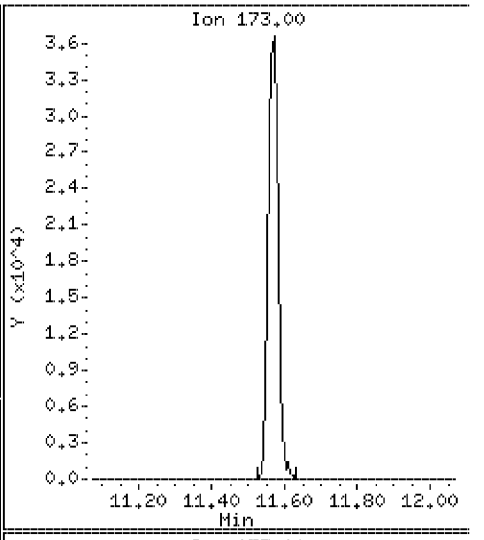
Concentration: 21.1 ug/l

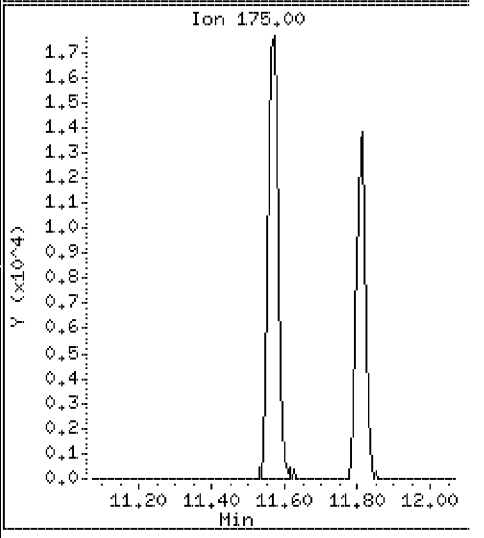












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

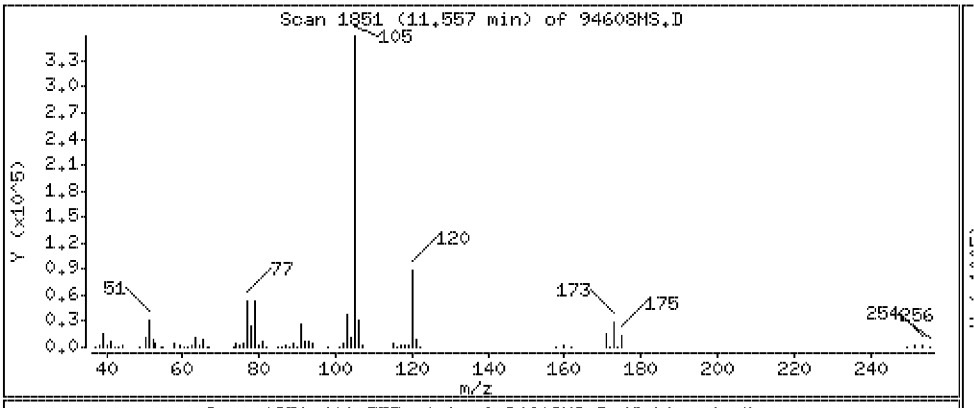
Operator:

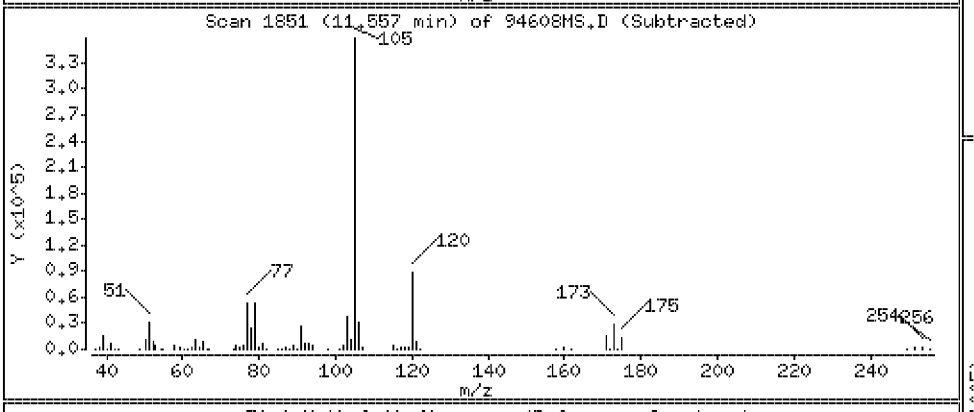
Column phase: DB-624

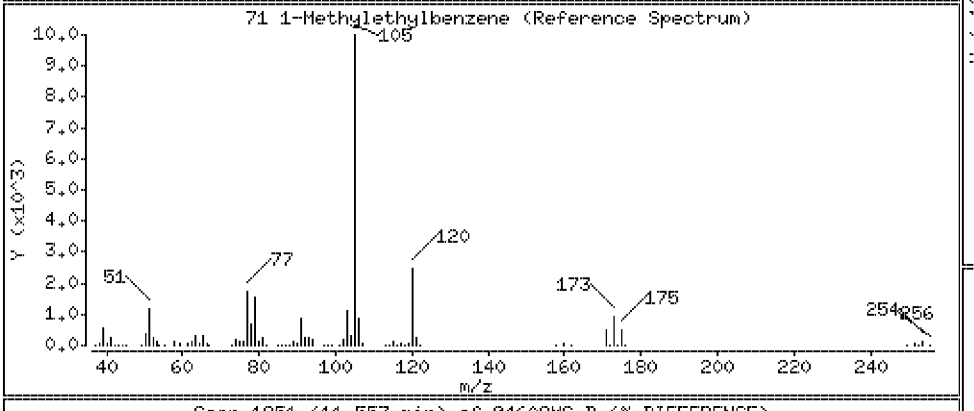
Column diameter: 0.18

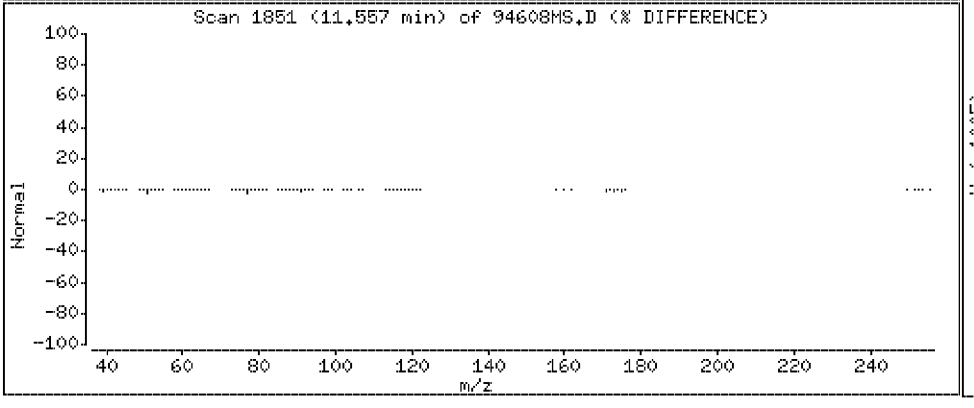
71 1-Methylethylbenzene

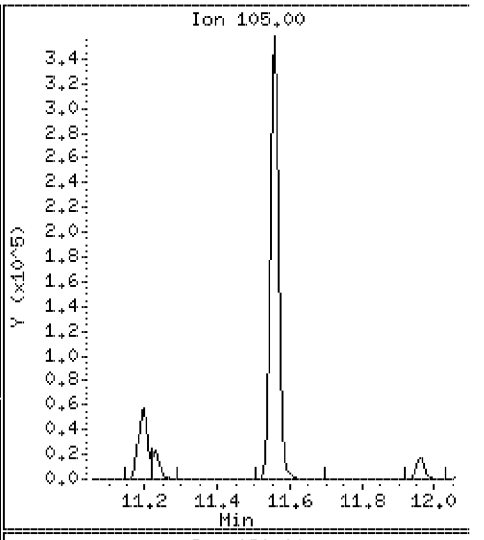
Concentration: 21.6 ug/l

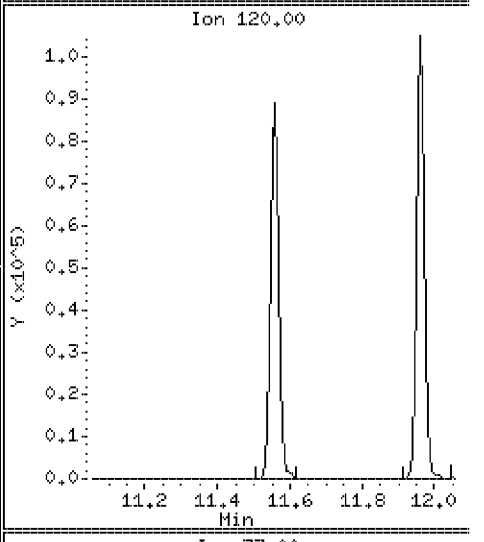


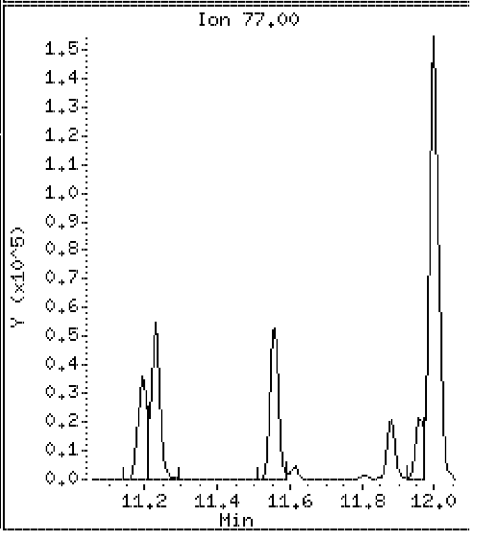












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

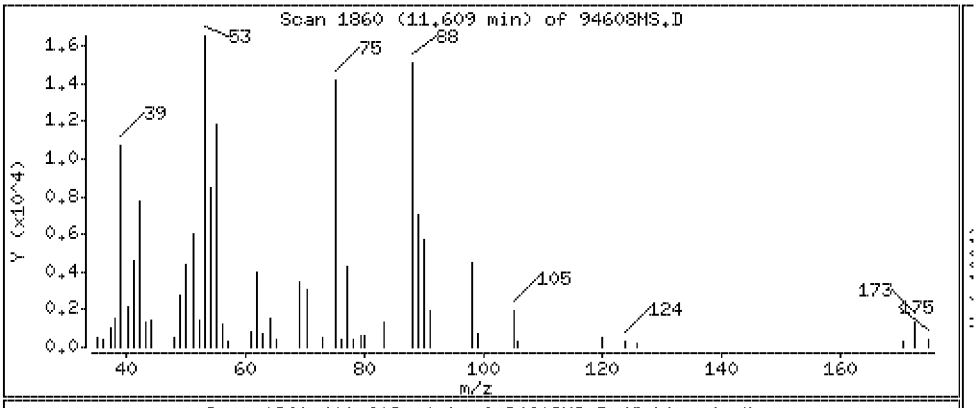
Operator:

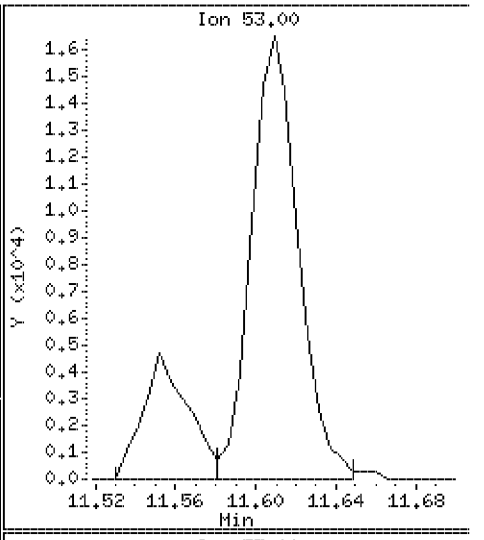
Column phase: DB-624

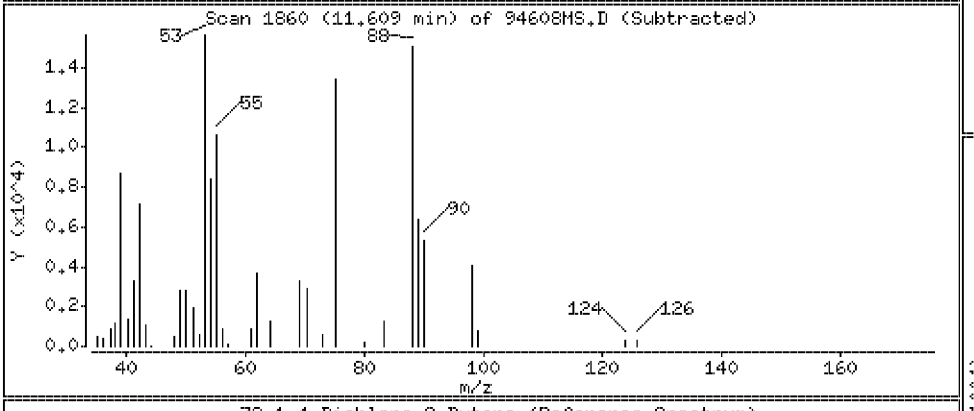
Column diameter: 0.18

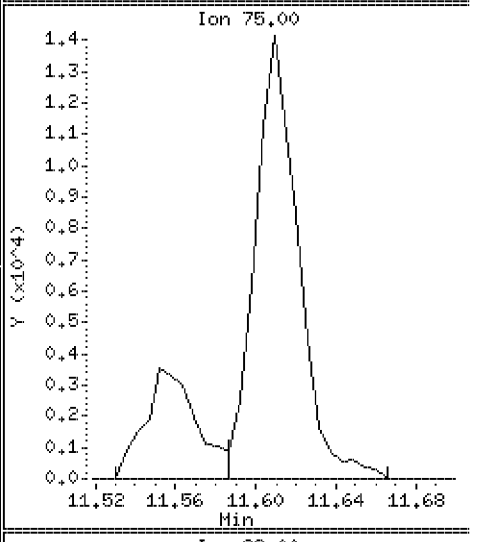
72 1,4-Dichloro-2-Butene

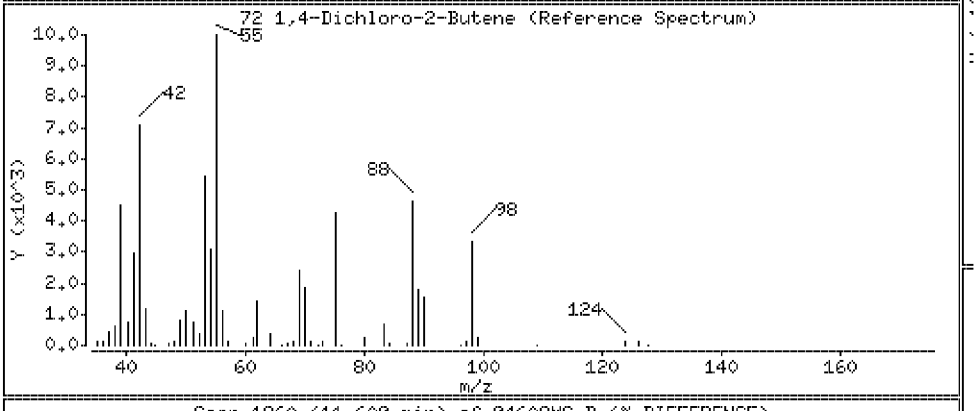
Concentration: 22.2 ug/l

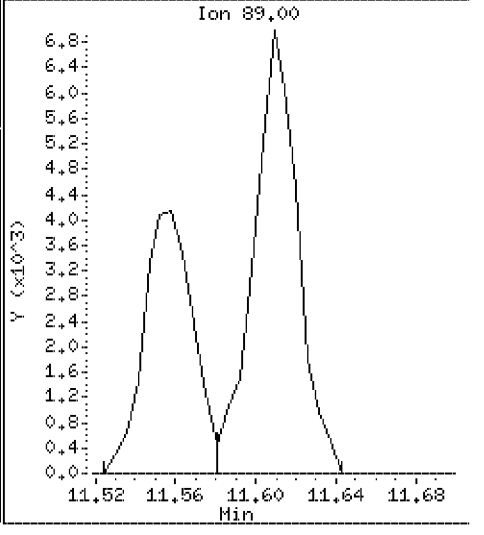


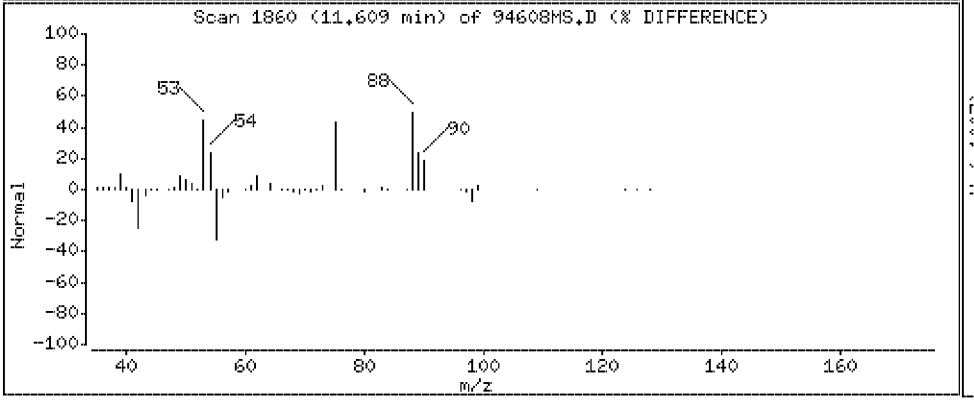












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

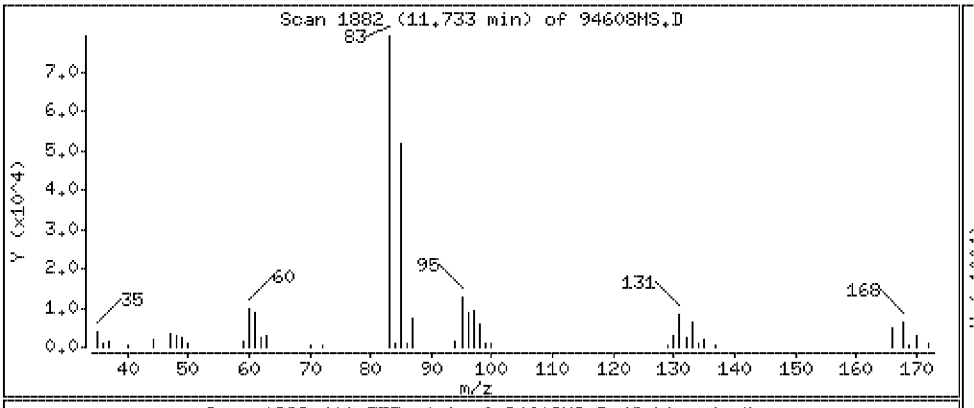
Operator:

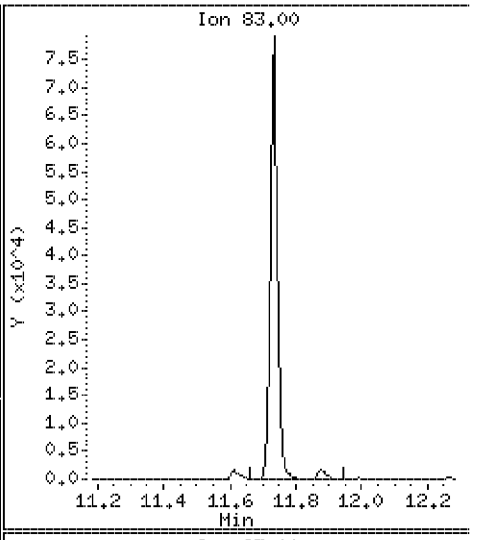
Column phase: DB-624

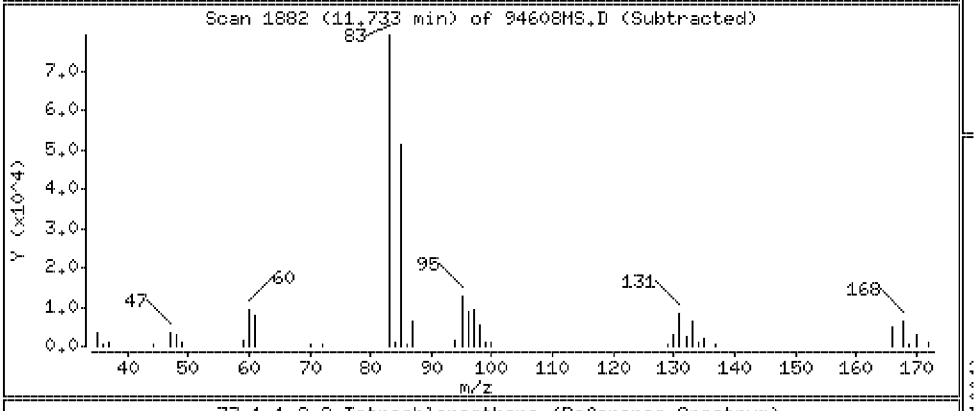
Column diameter: 0.18

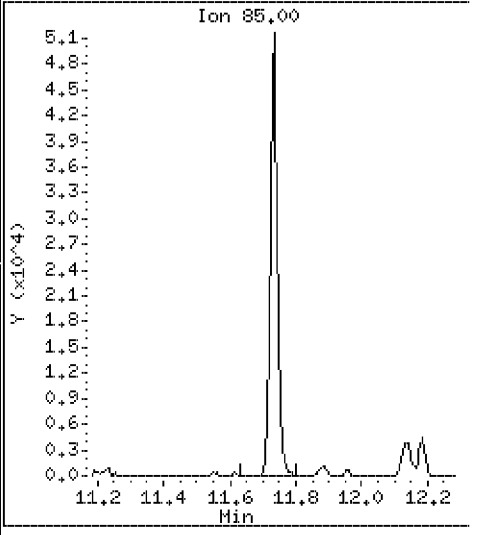
73 1,1,2,2-Tetrachloroethane

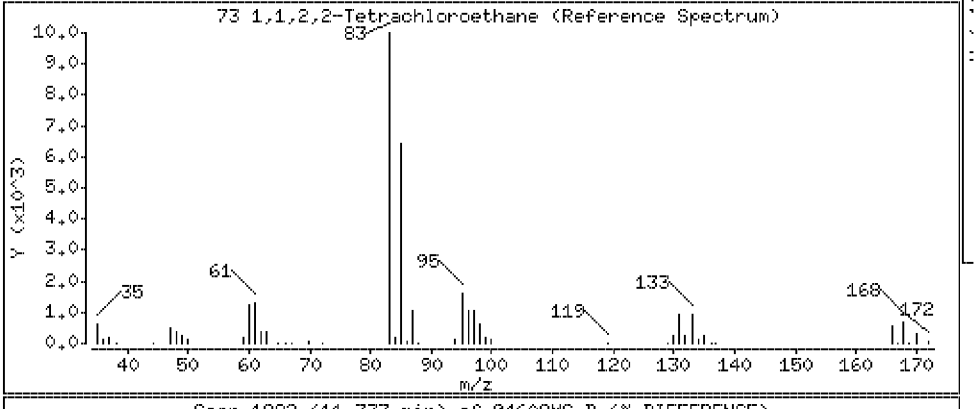
Concentration: 18.6 ug/l

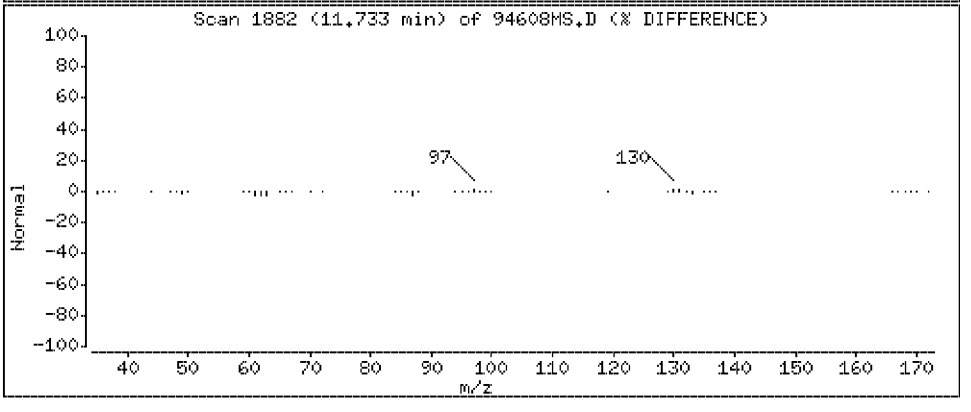












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

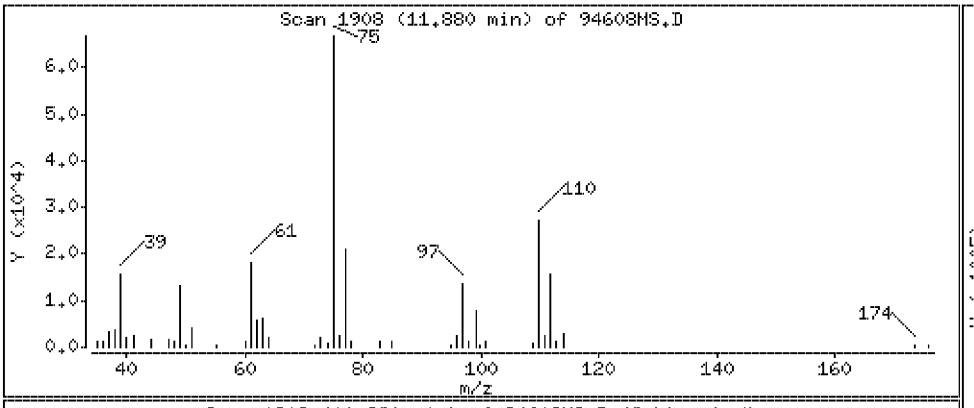
Operator:

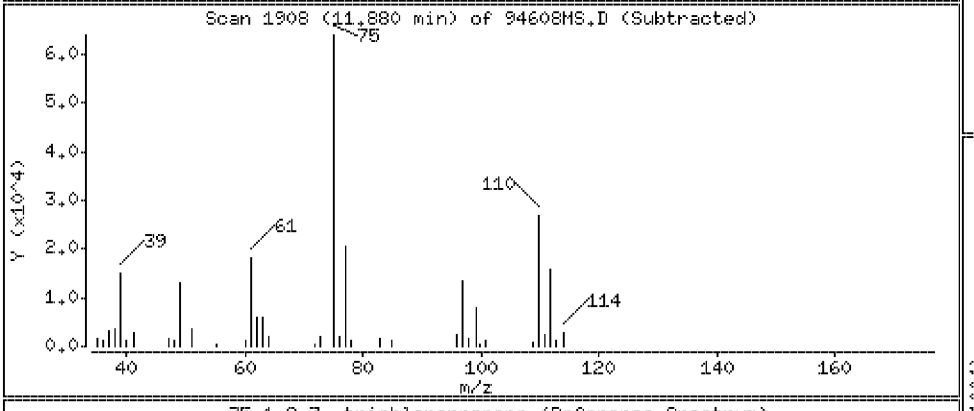
Column phase: DB-624

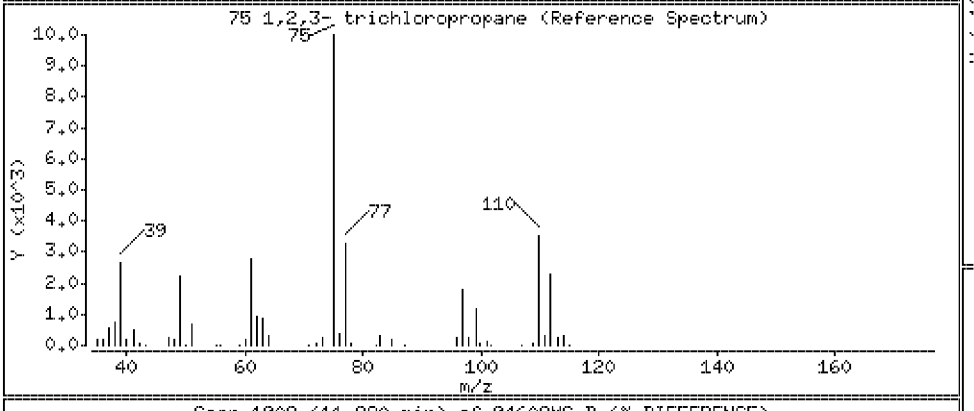
Column diameter: 0.18

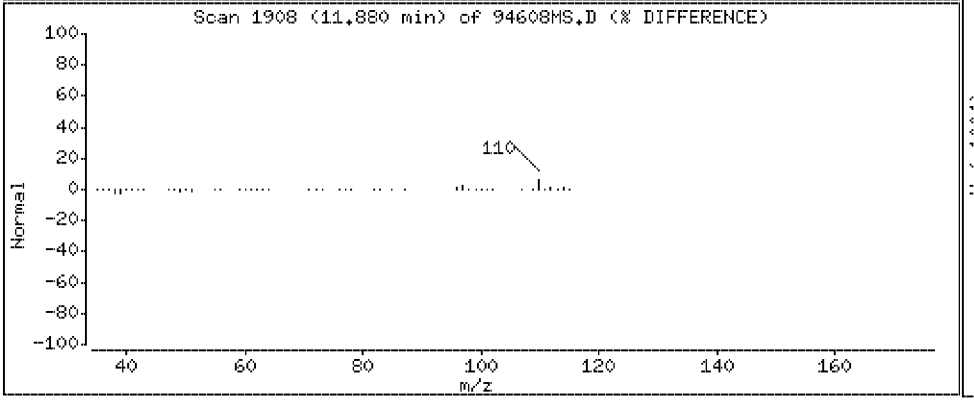
75 1,2,3- trichloropropane

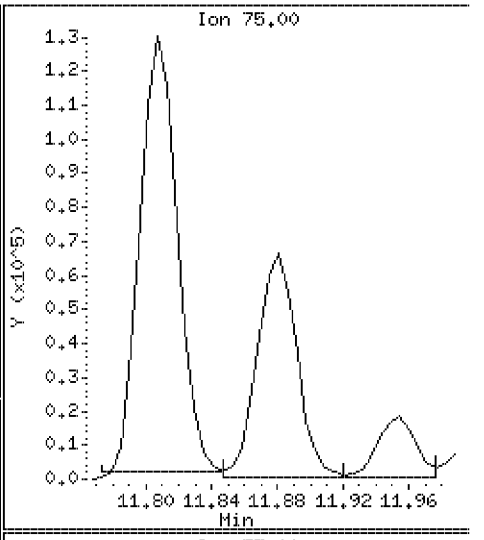
Concentration: 20.4 ug/l

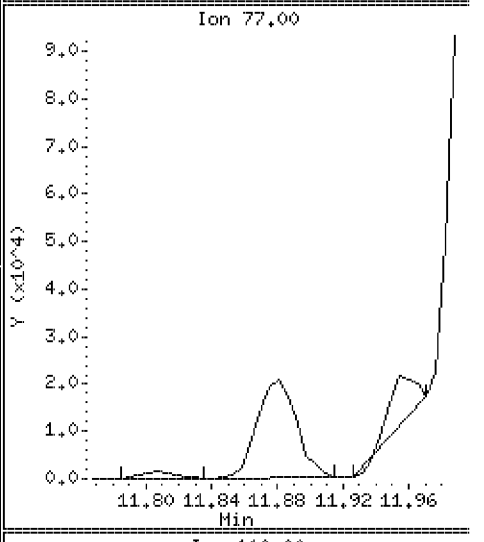


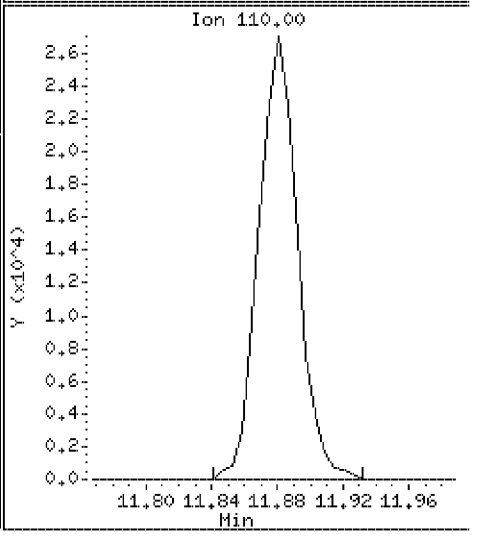












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Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

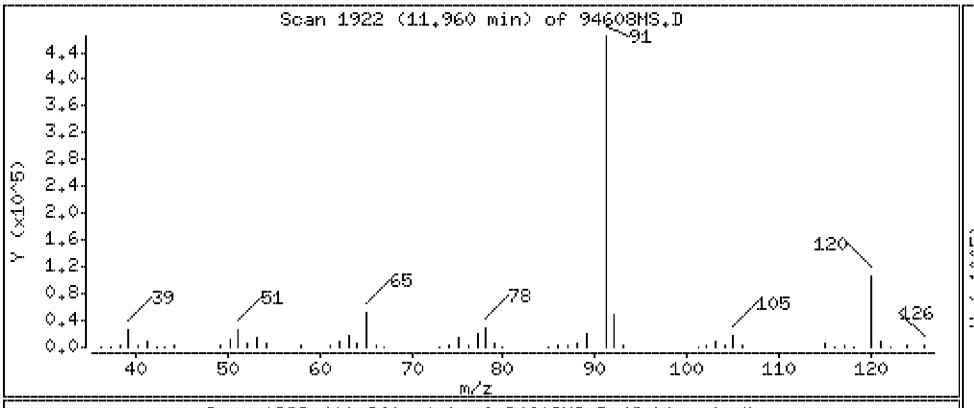
Operator:

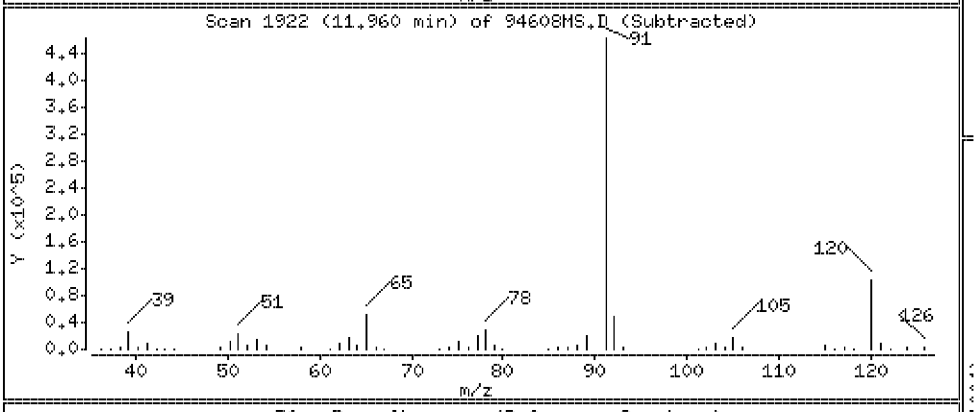
Column phase: DB-624

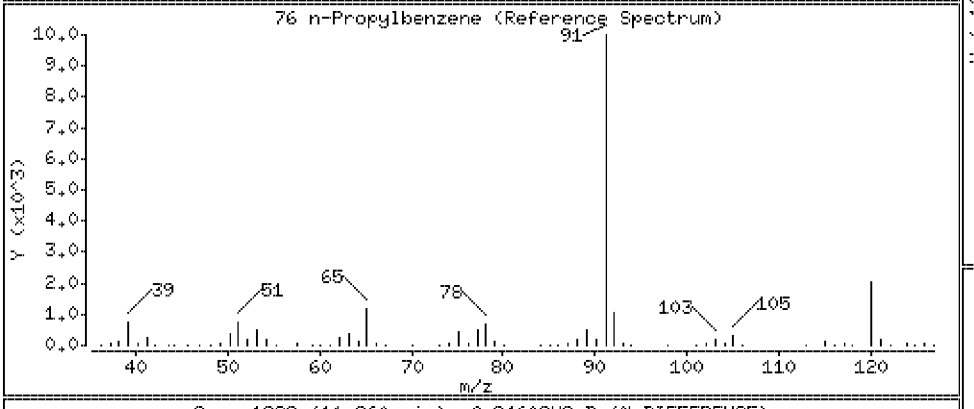
Column diameter: 0.18

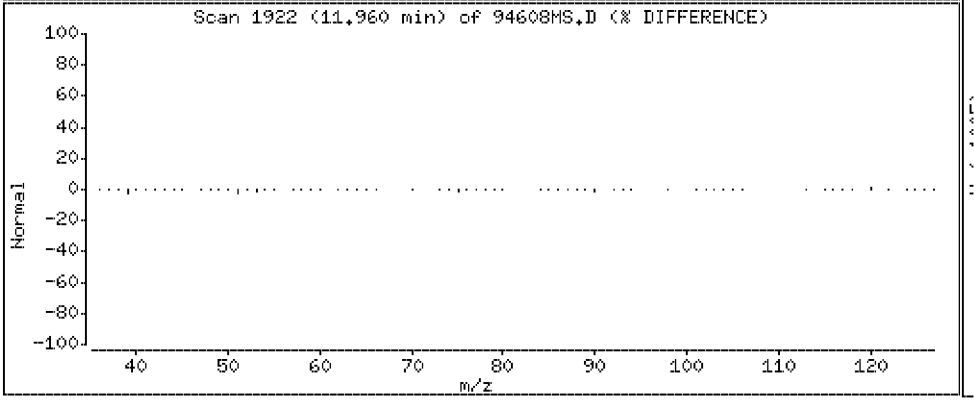
76 n-Propylbenzene

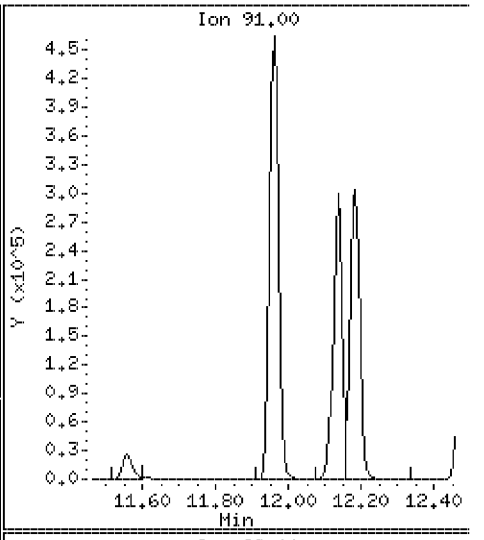
Concentration: 21.3 ug/l

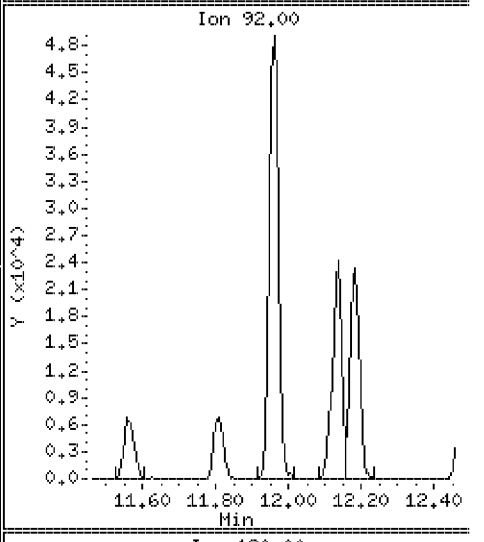


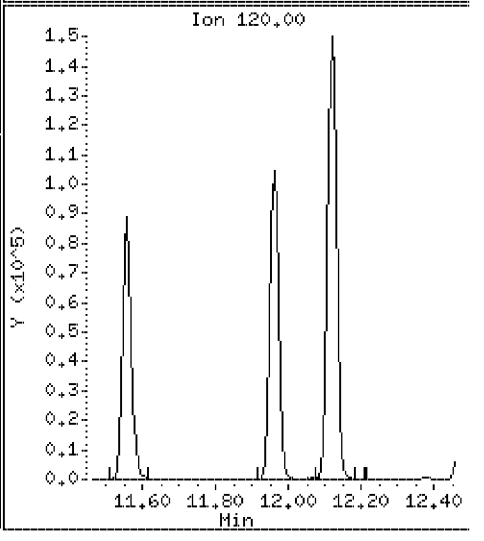












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Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

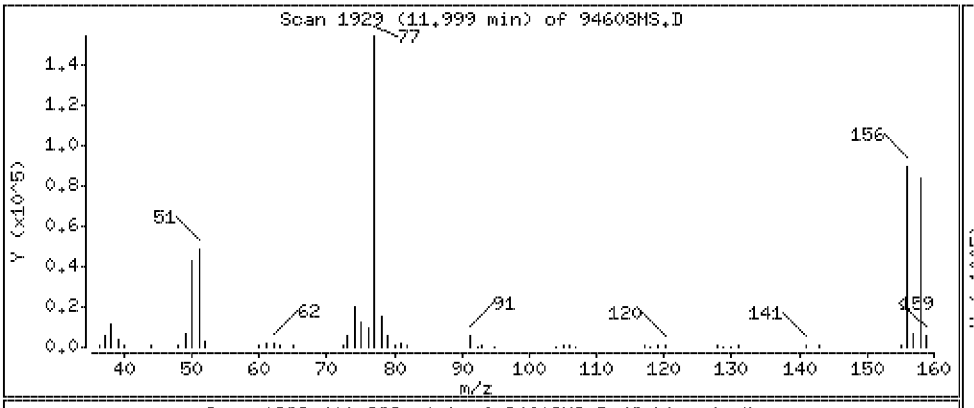
Operator:

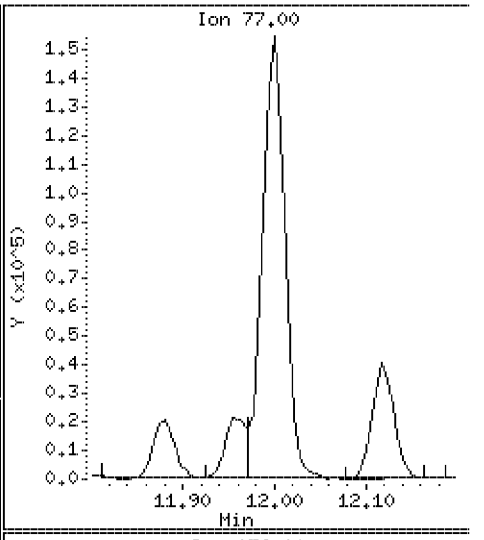
Column phase: DB-624

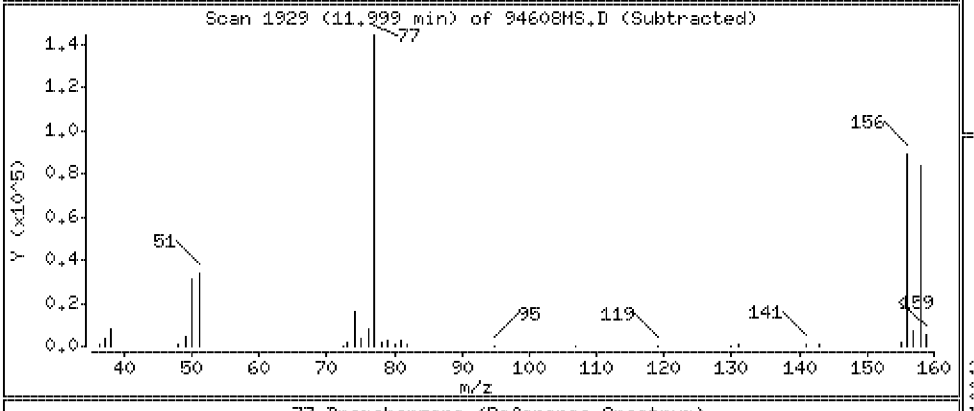
Column diameter: 0.18

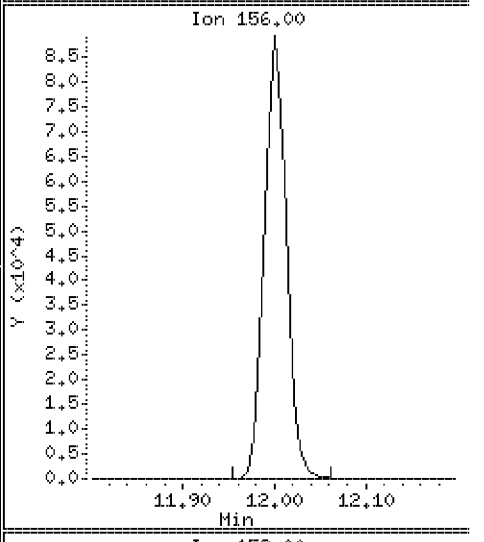
77 Bromobenzene

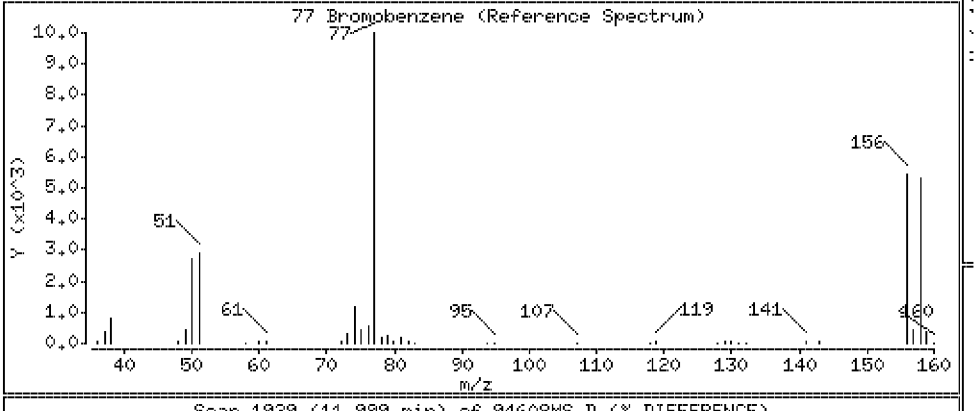
Concentration: 19.0 ug/l

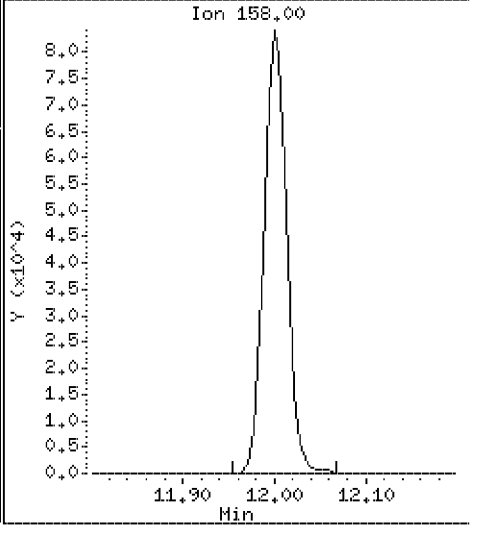


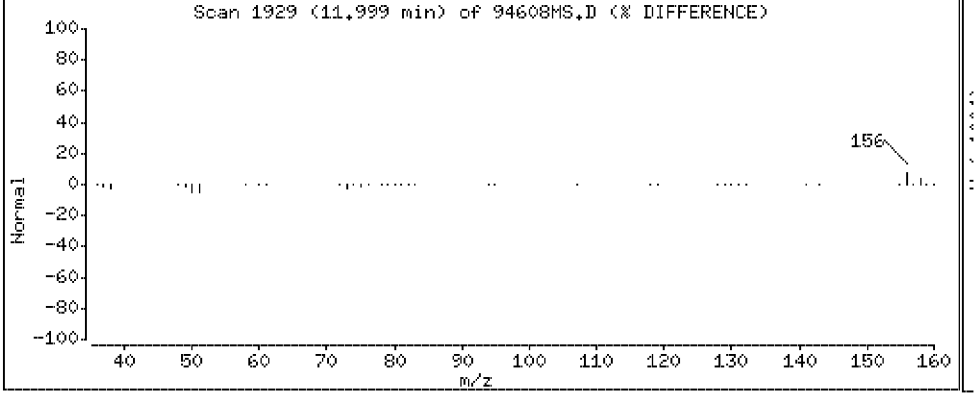












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

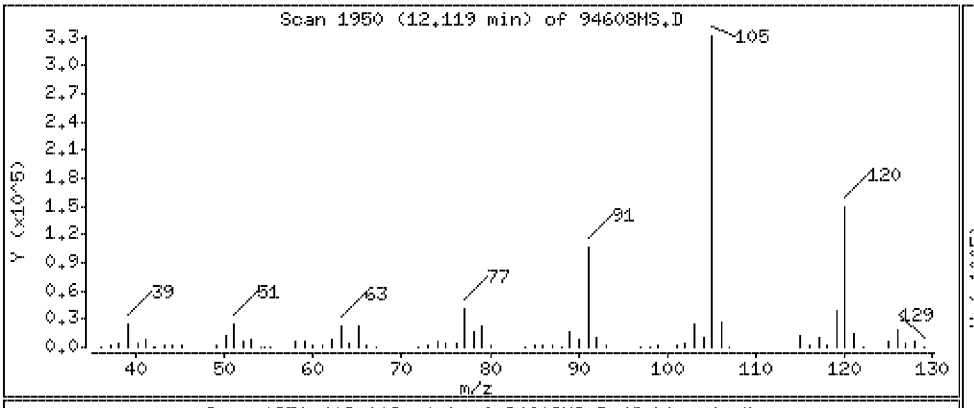
Operator:

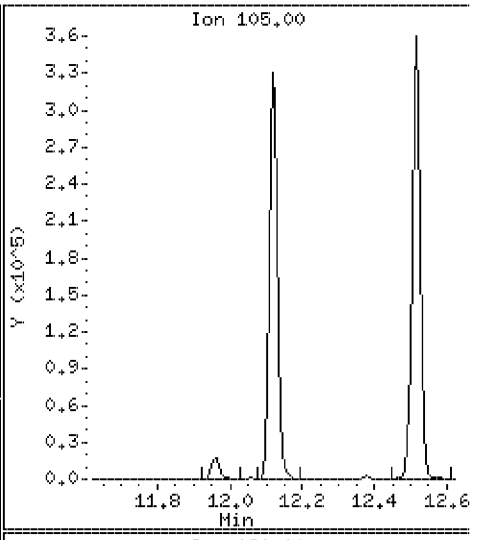
Column phase: DB-624

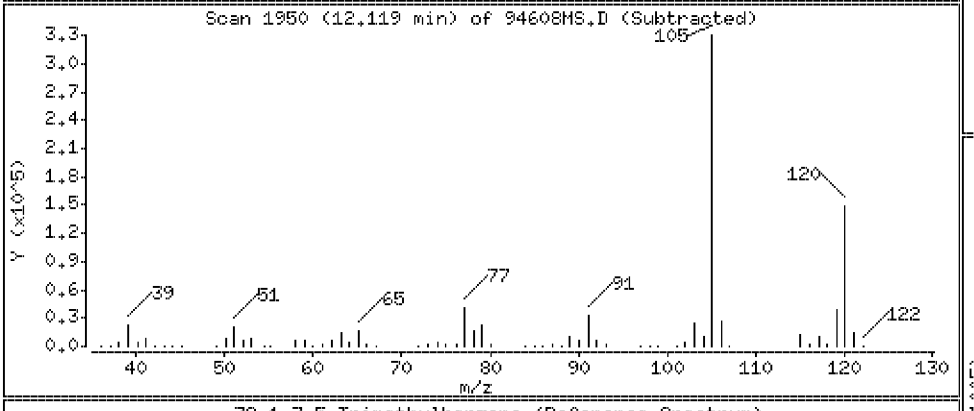
Column diameter: 0.18

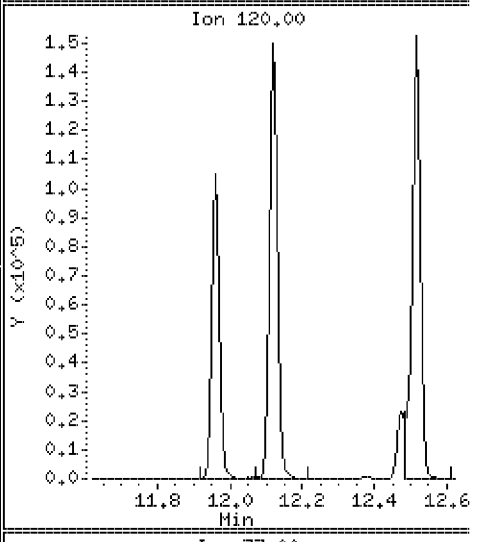
78 1,3,5-Trimethylbenzene

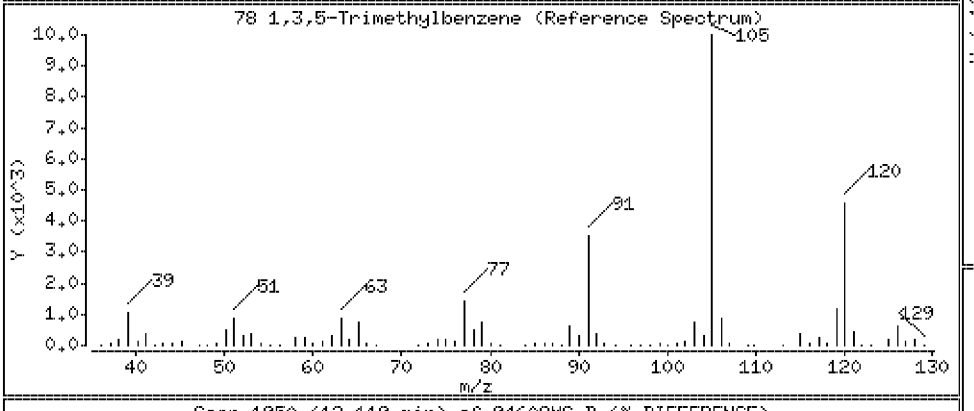
Concentration: 21.7 ug/l

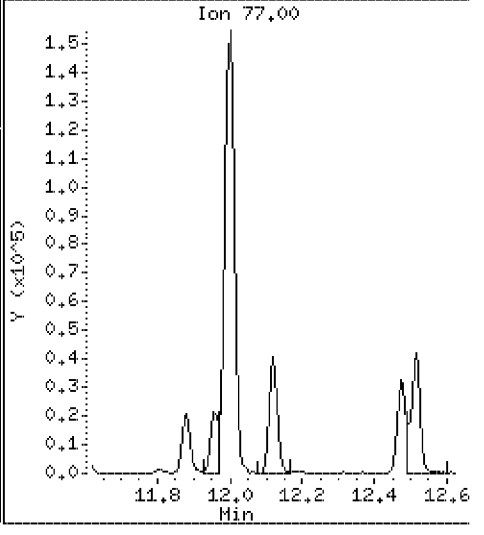


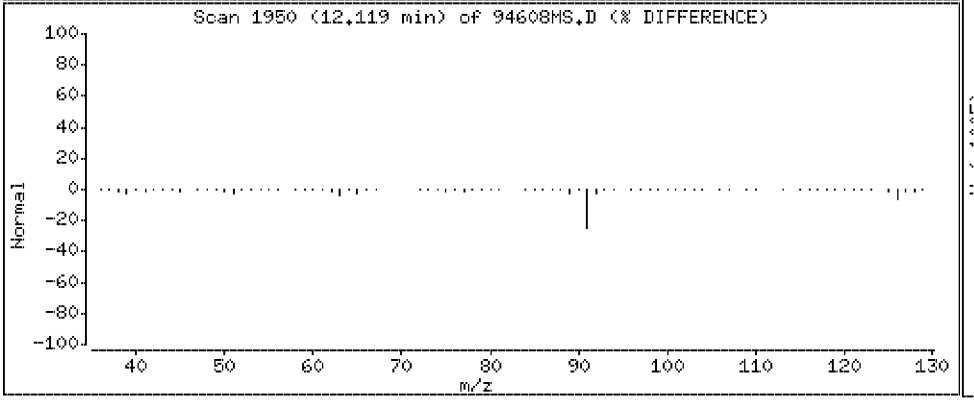












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

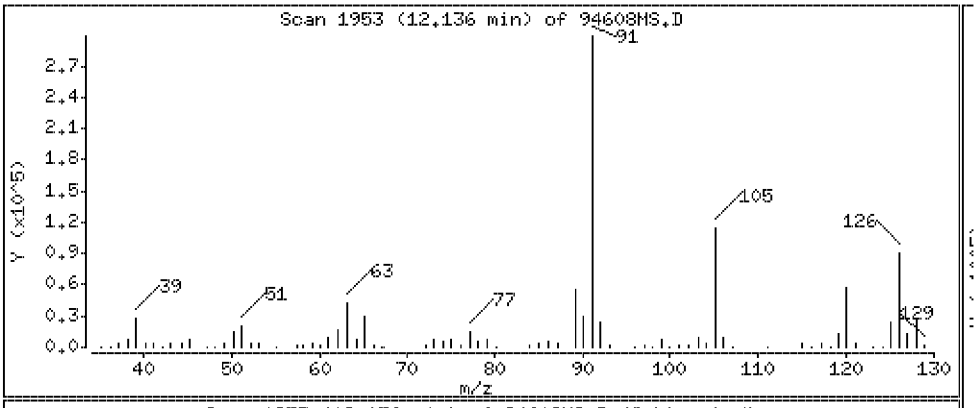
Operator:

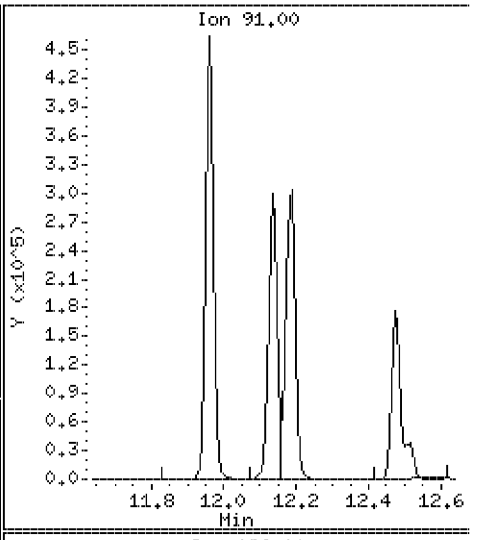
Column phase: DB-624

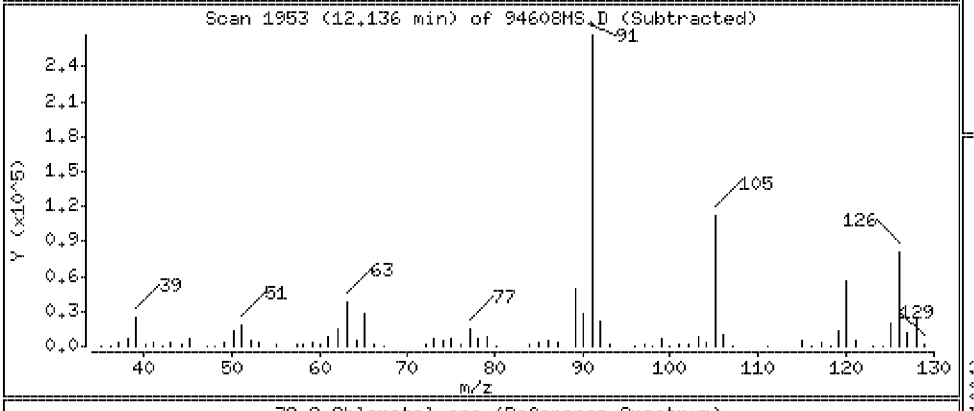
Column diameter: 0.18

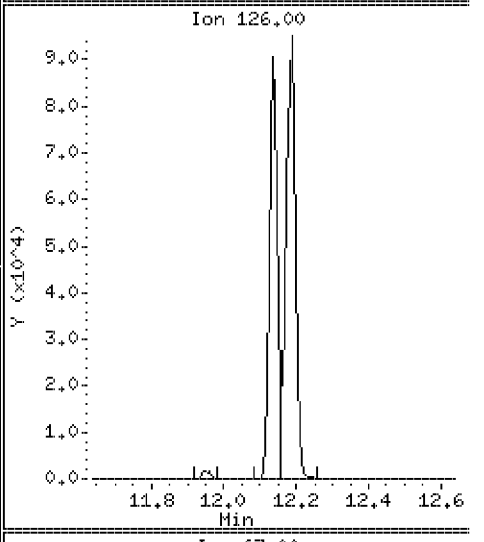
79 2-Chlorotoluene

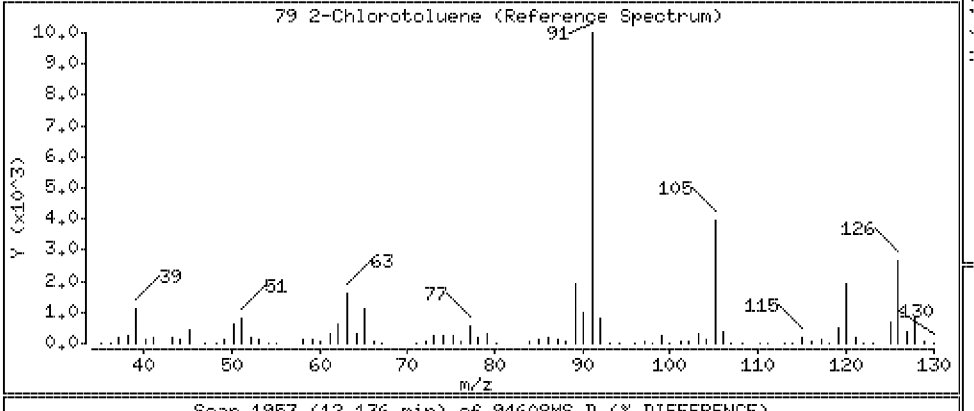
Concentration: 21.1 ug/l

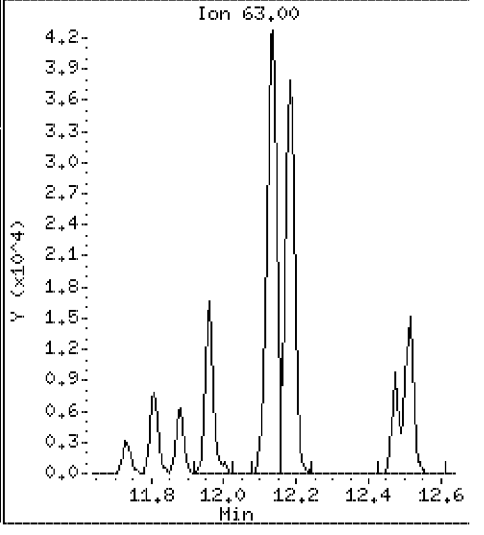


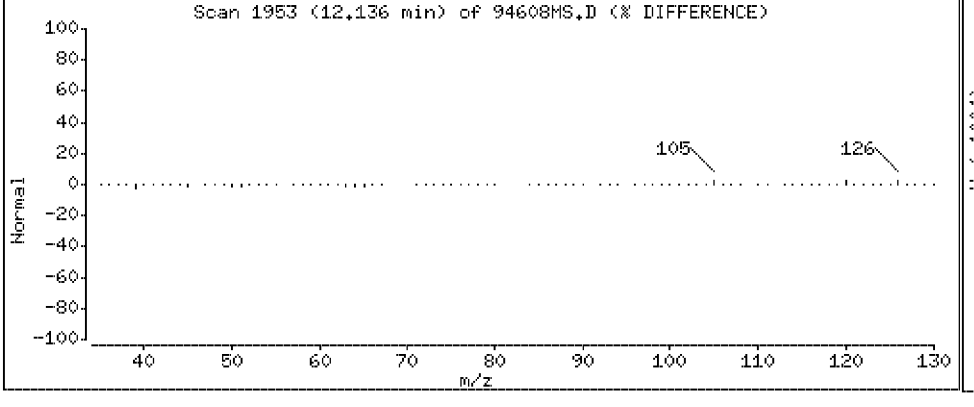












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

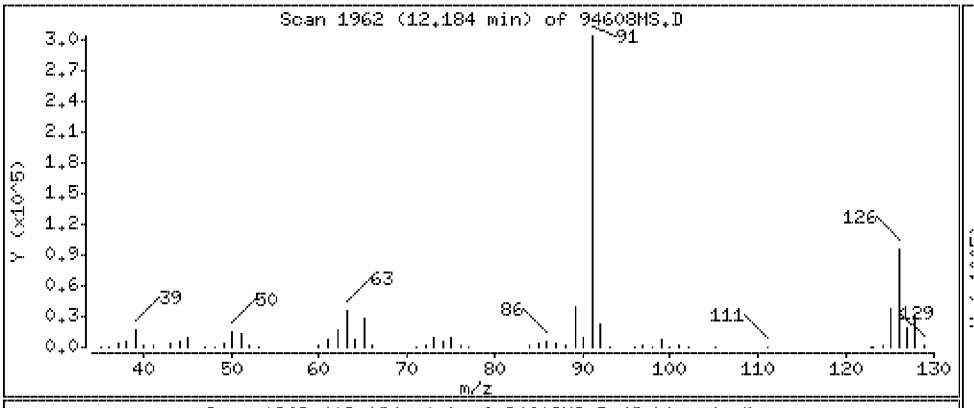
Operator:

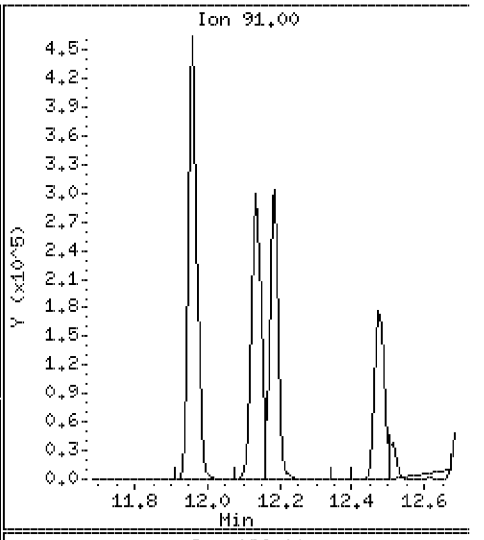
Column phase: DB-624

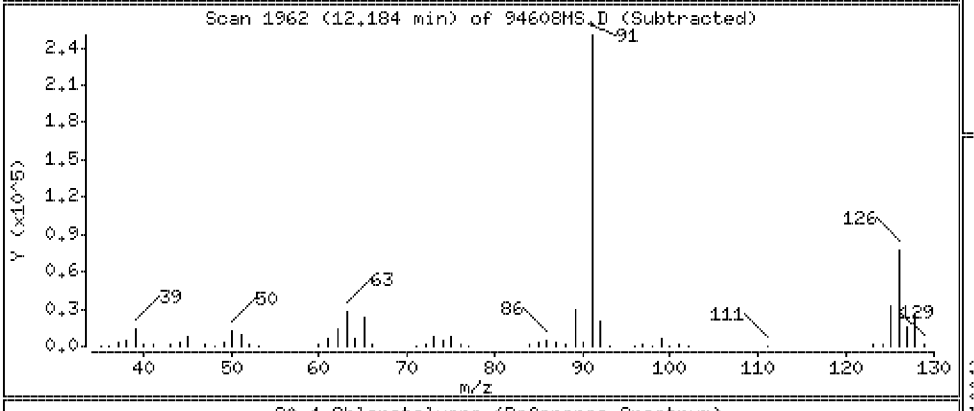
Column diameter: 0.18

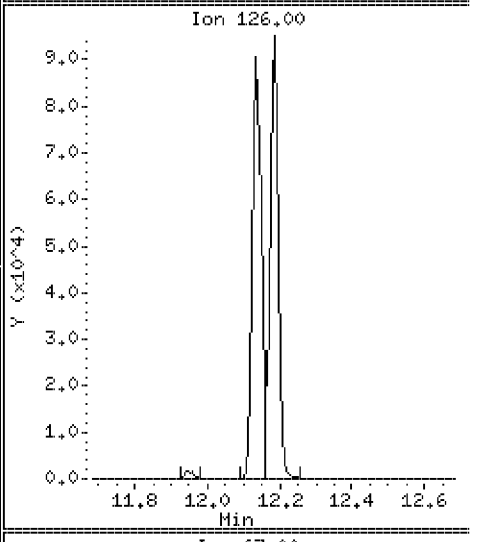
80 4-Chlorotoluene

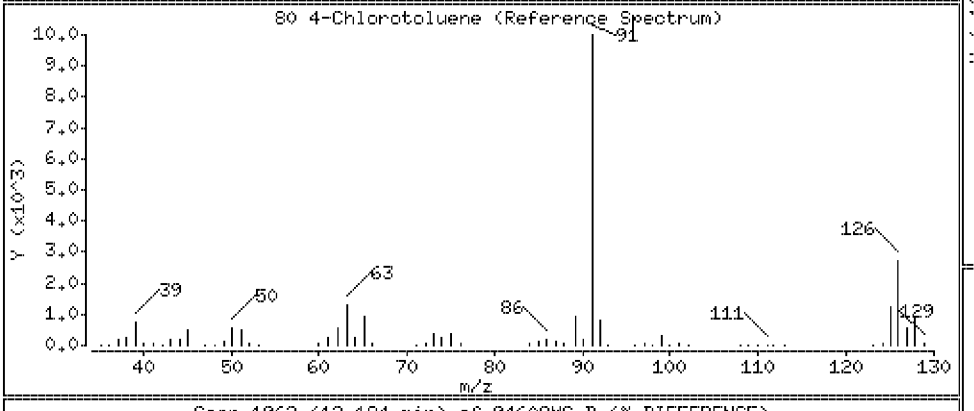
Concentration: 21.3 ug/l

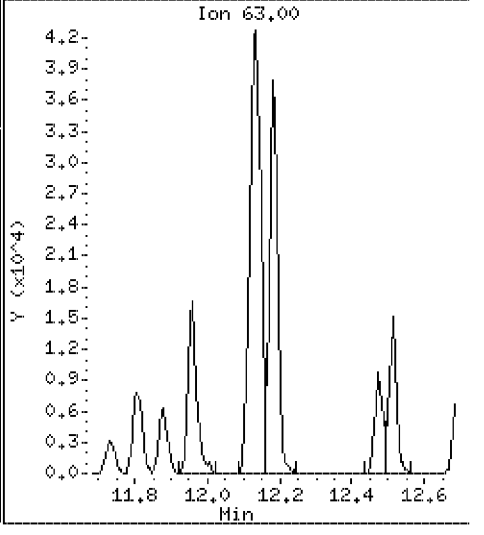


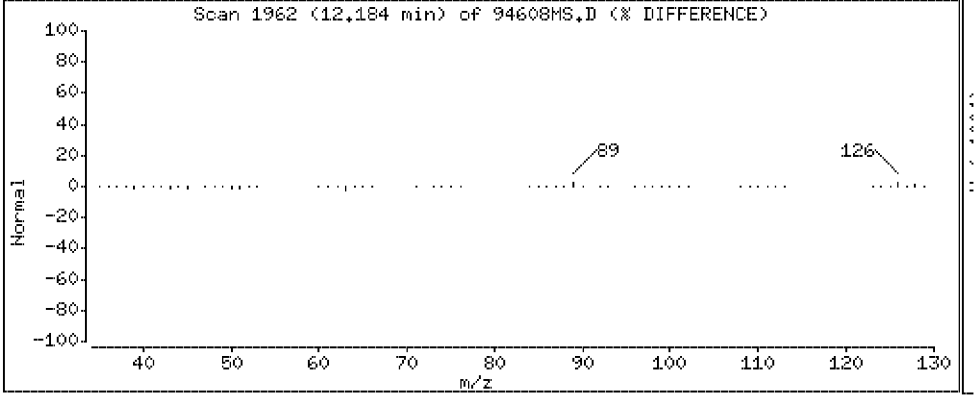












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Date : 04-APR-2008 07:29

Client ID: SLO[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

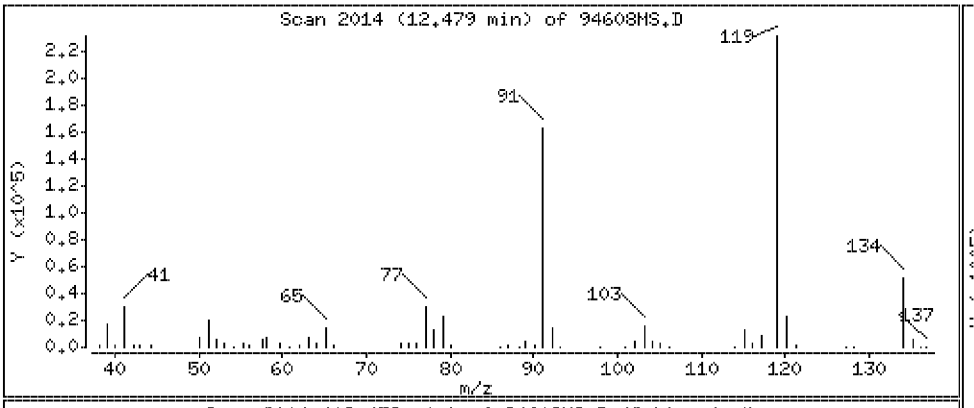
Operator:

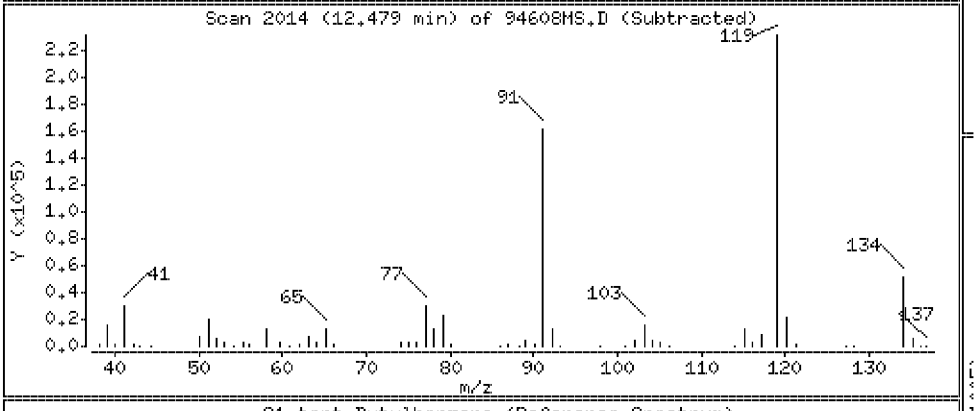
Column phase: DB-624

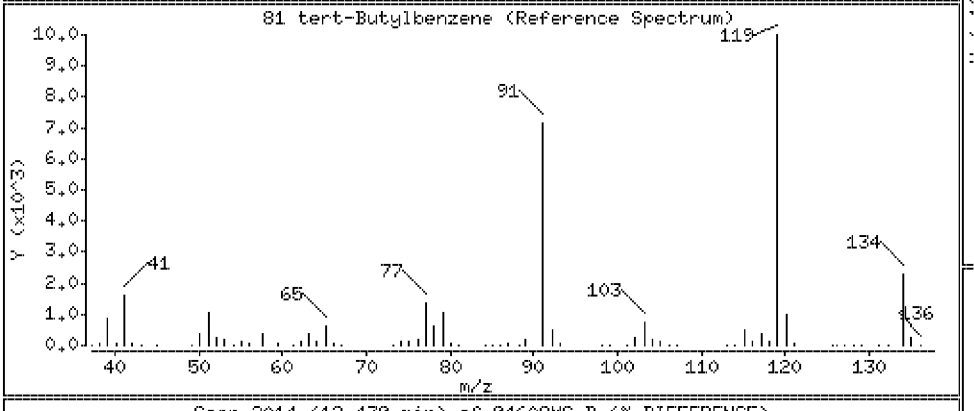
Column diameter: 0.18

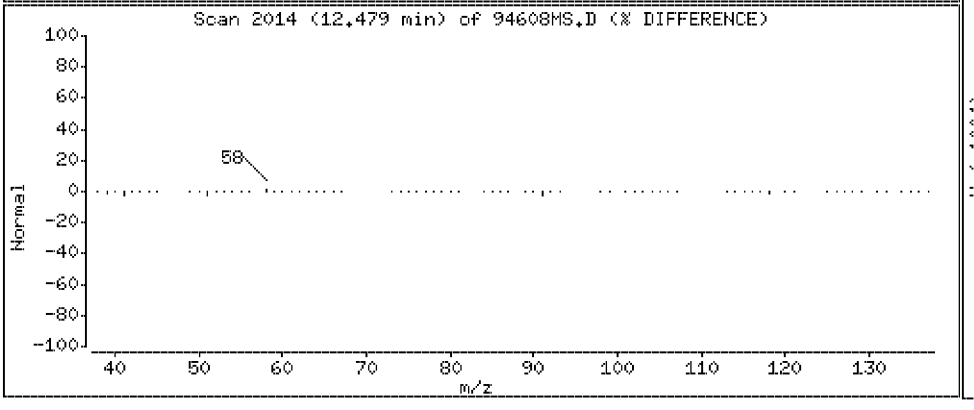
81 tert-Butylbenzene

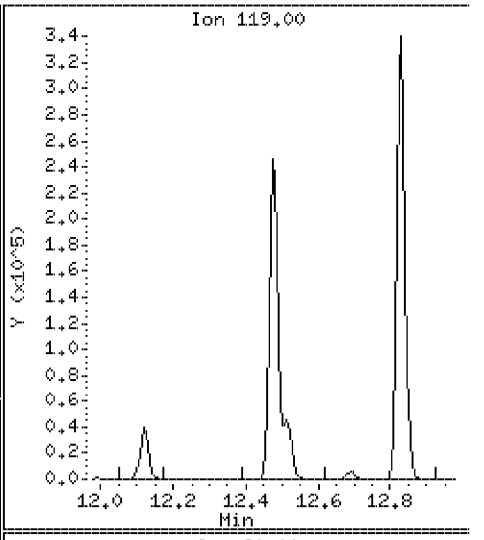
Concentration: 22.0 ug/l

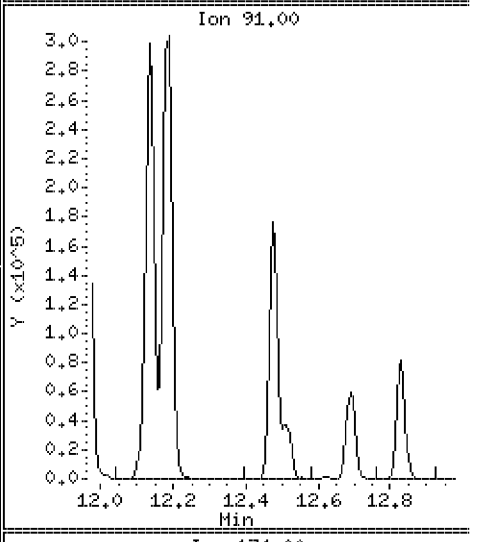


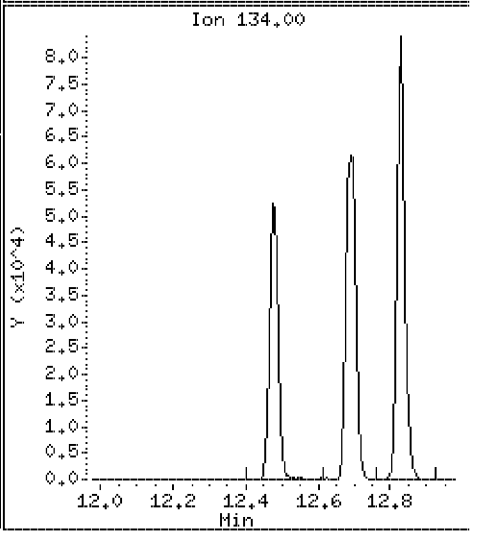












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

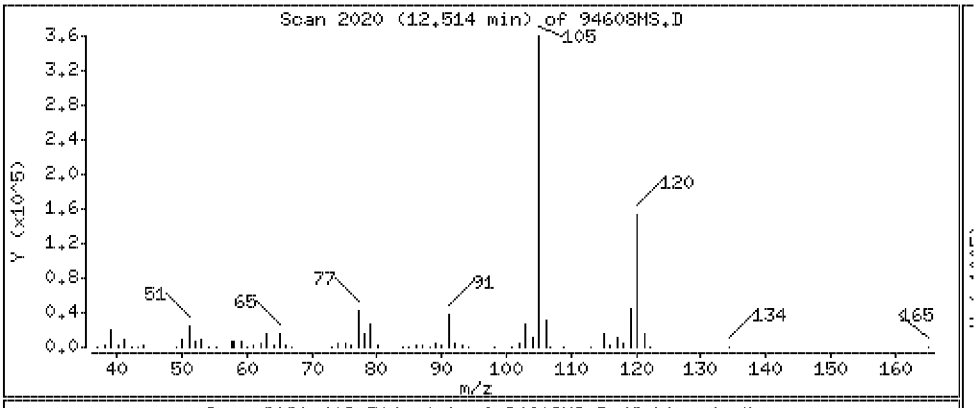
Operator:

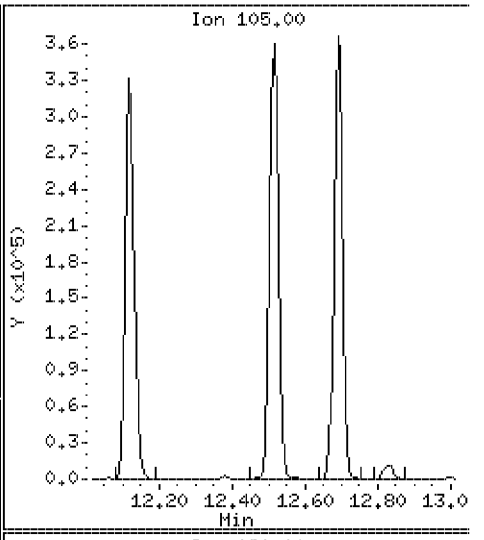
Column phase: DB-624

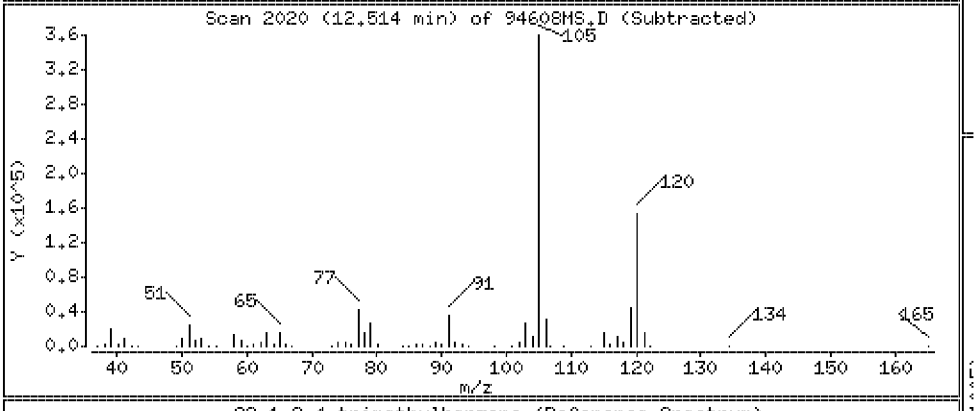
Column diameter: 0.18

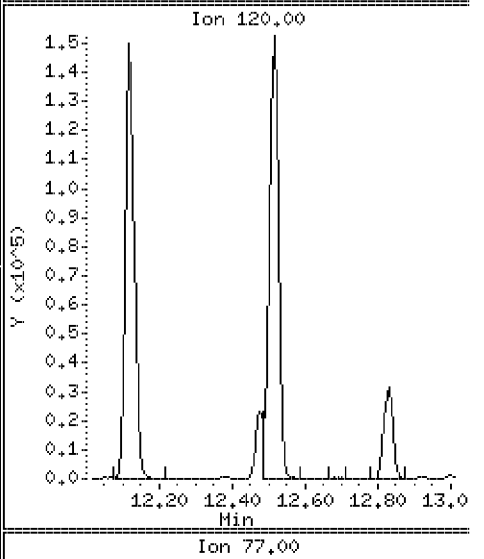
82 1,2,4-trimethylbenzene

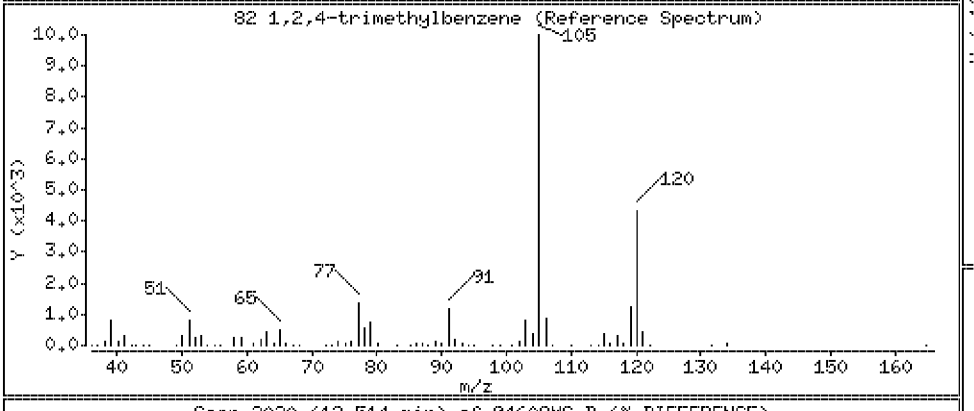
Concentration: 21.6 ug/l

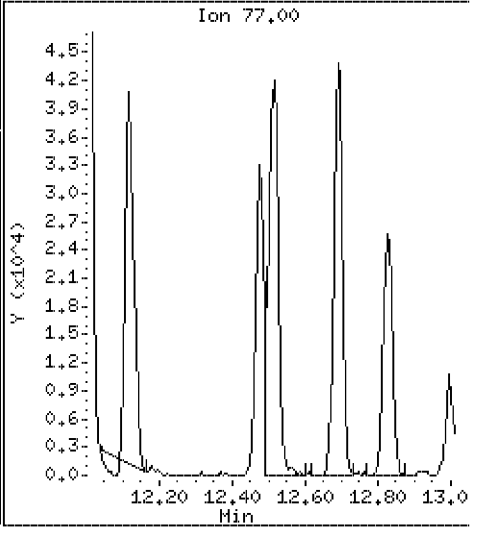


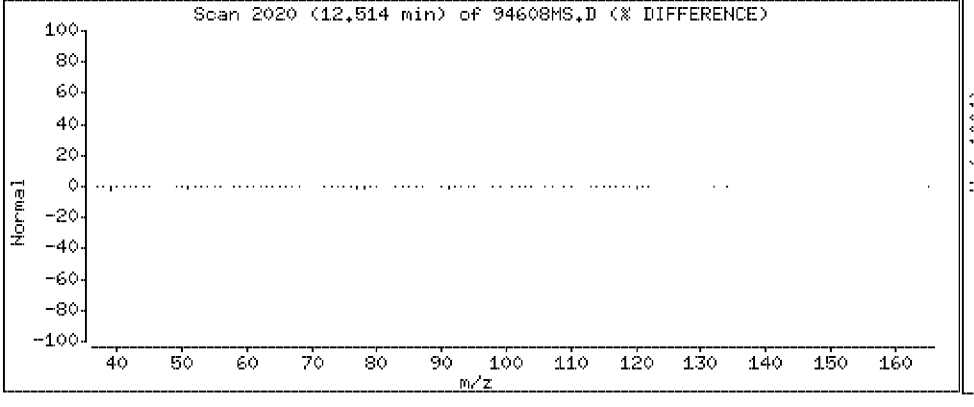












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

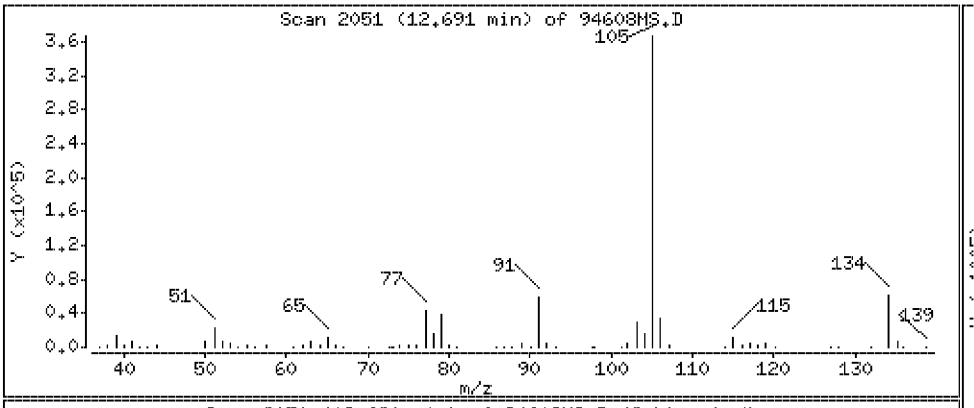
Operator:

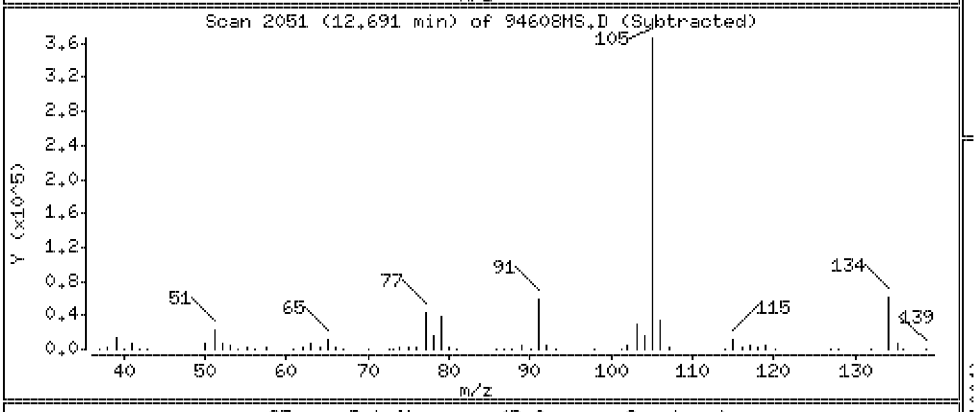
Column phase: DB-624

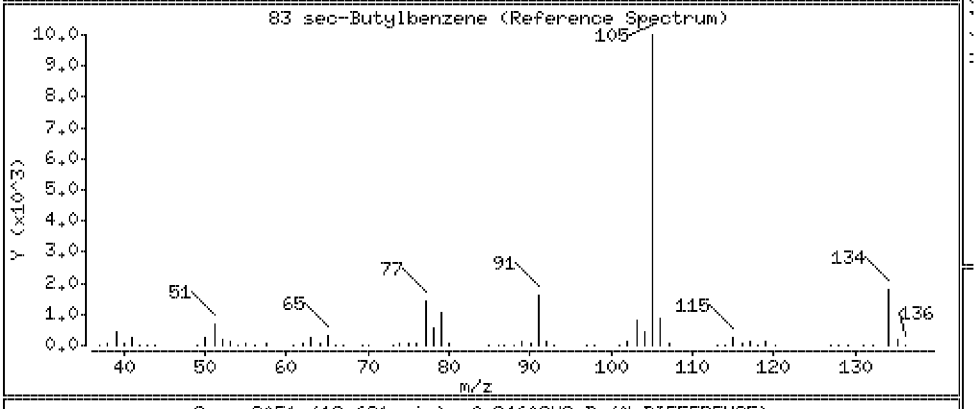
Column diameter: 0.18

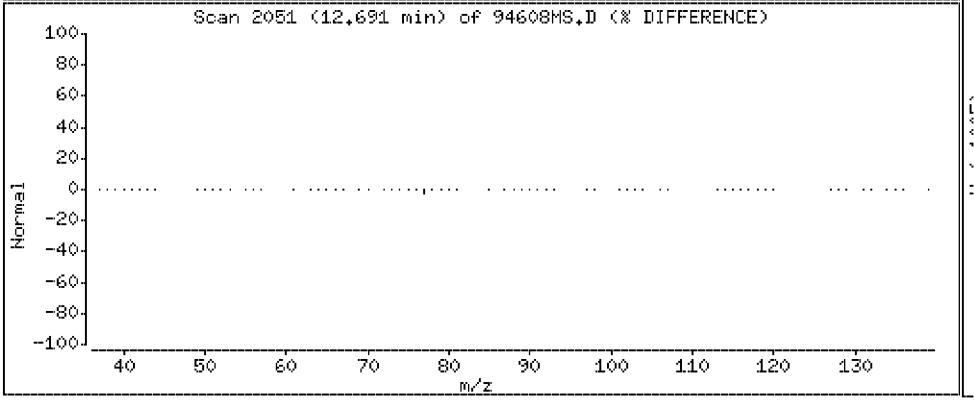
83 sec-Butylbenzene

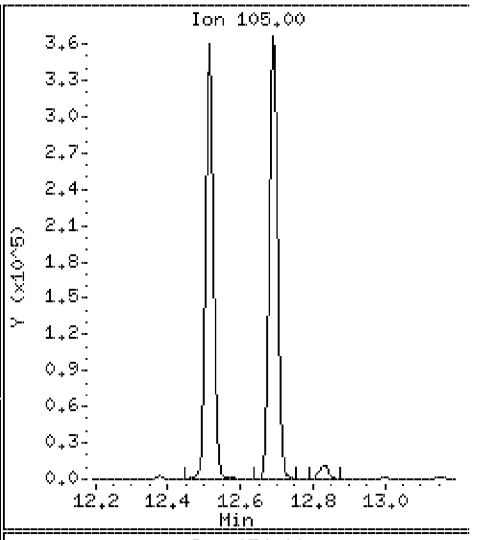
Concentration: 21.4 ug/l

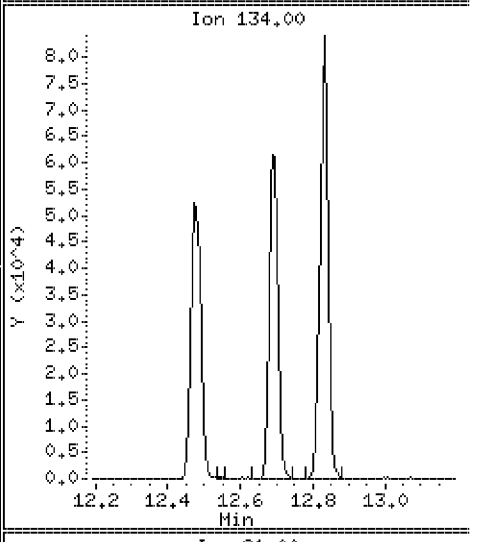


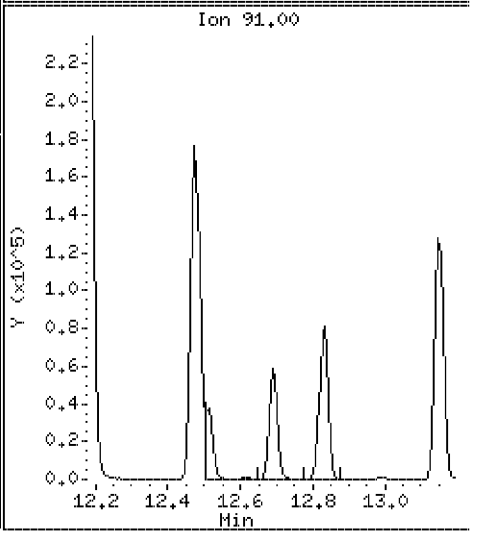












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

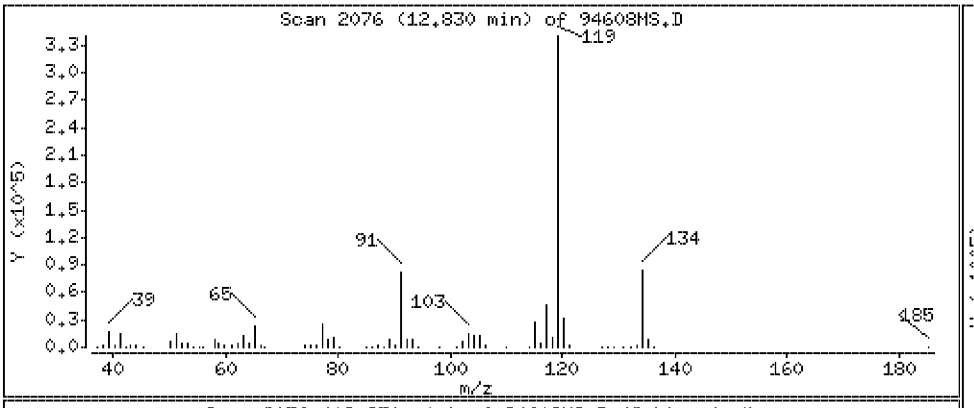
Operator:

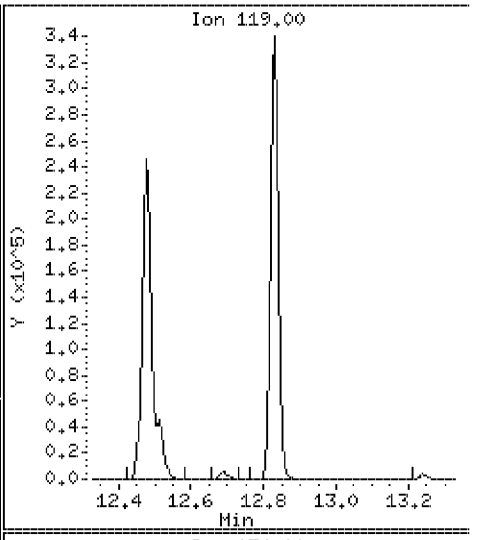
Column phase: DB-624

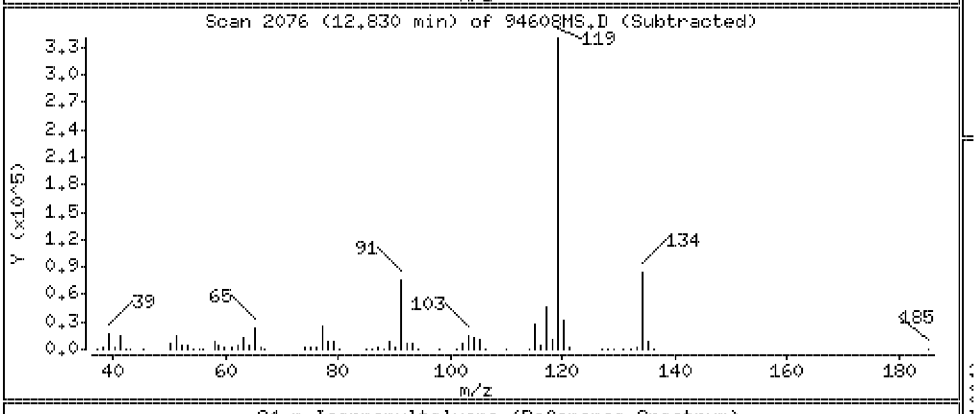
Column diameter: 0.18

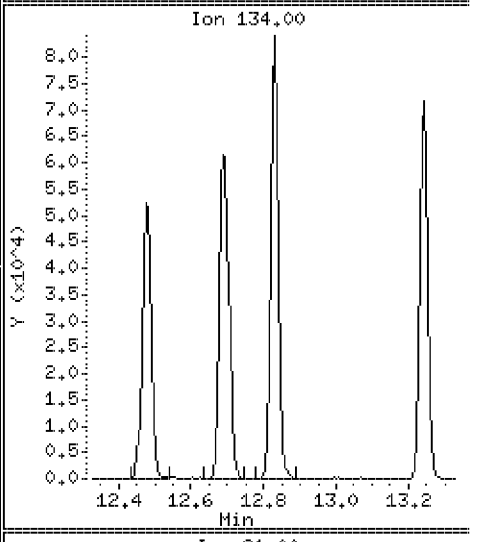
84 p-Isopropyltoluene

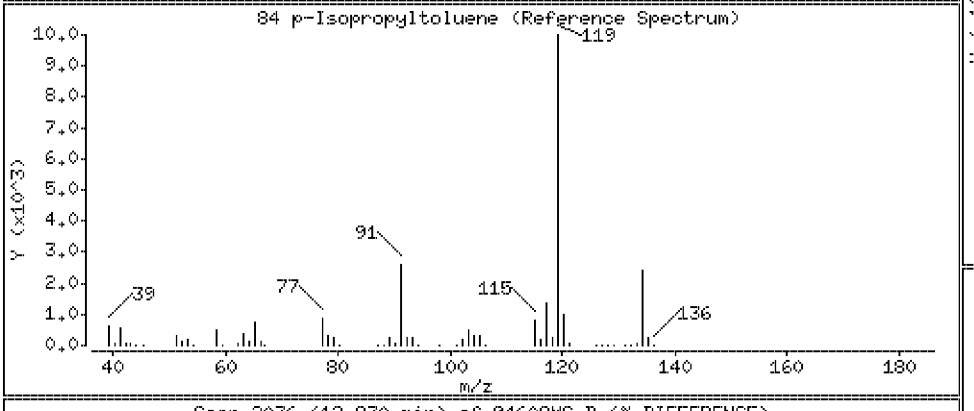
Concentration: 21.8 ug/l

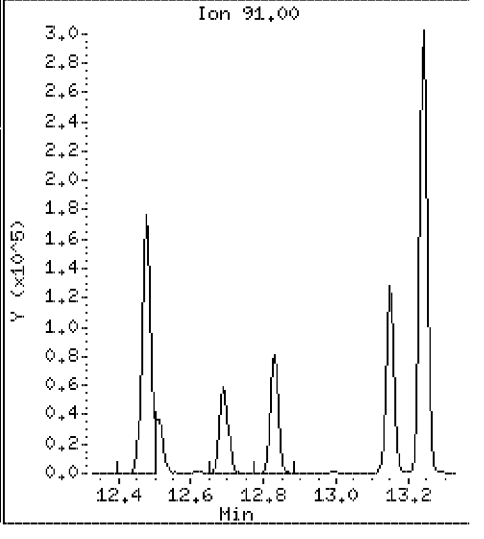


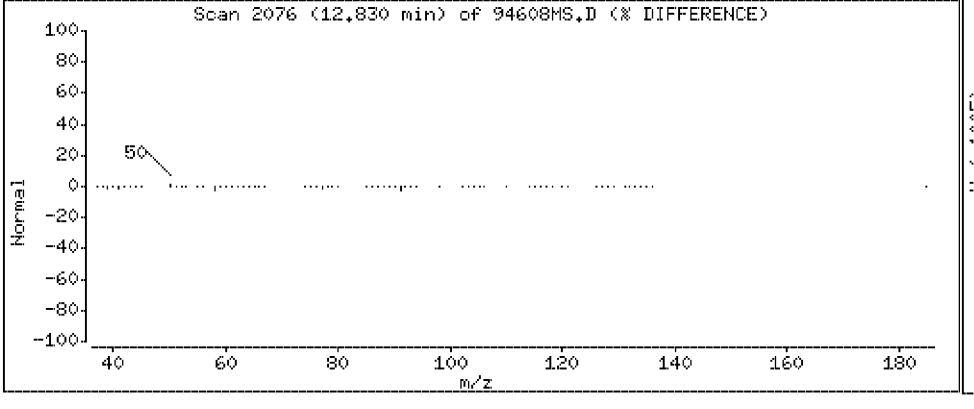












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

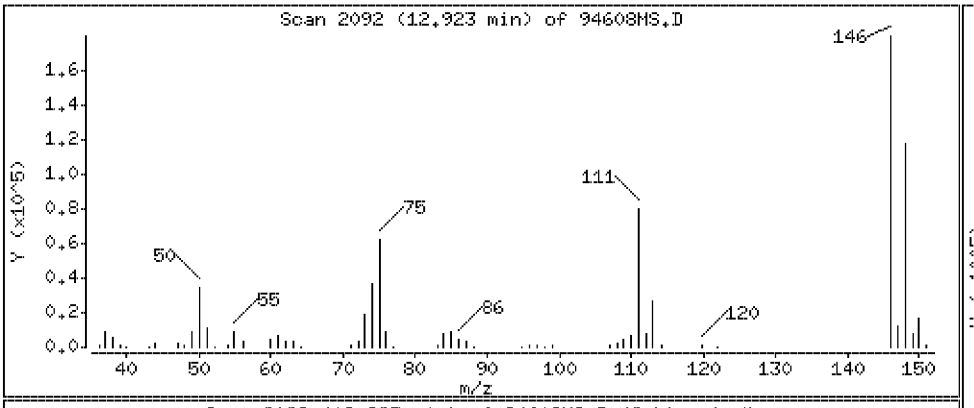
Operator:

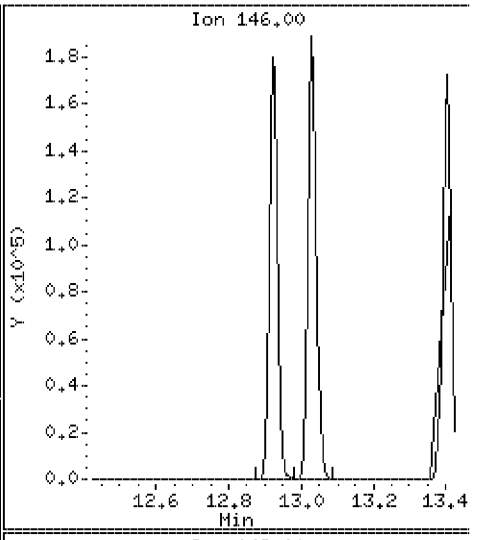
Column phase: DB-624

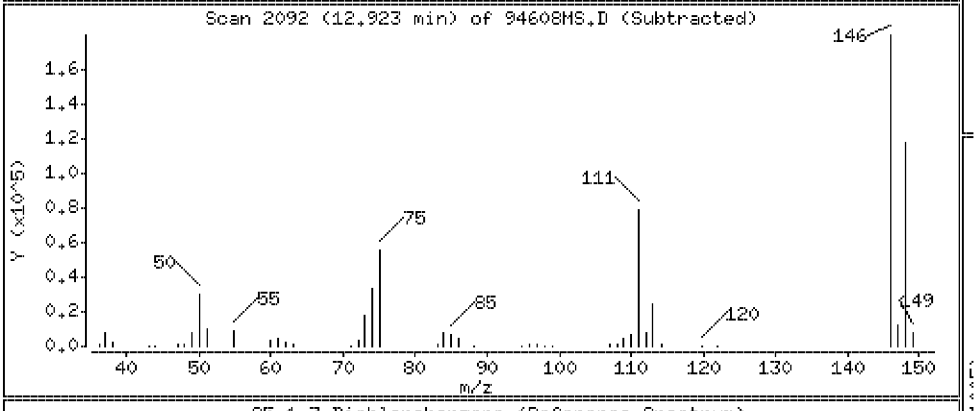
Column diameter: 0.18

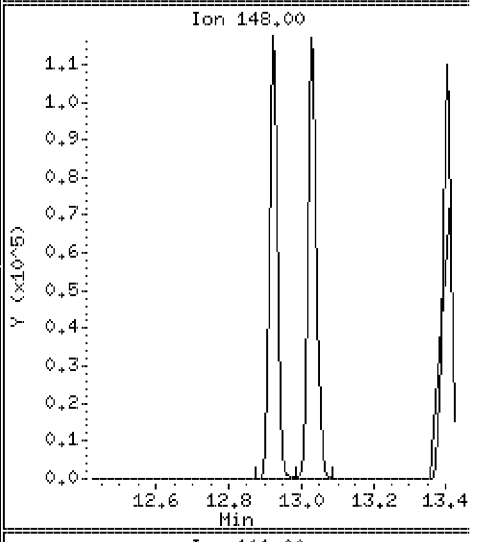
85 1,3-Dichlorobenzene

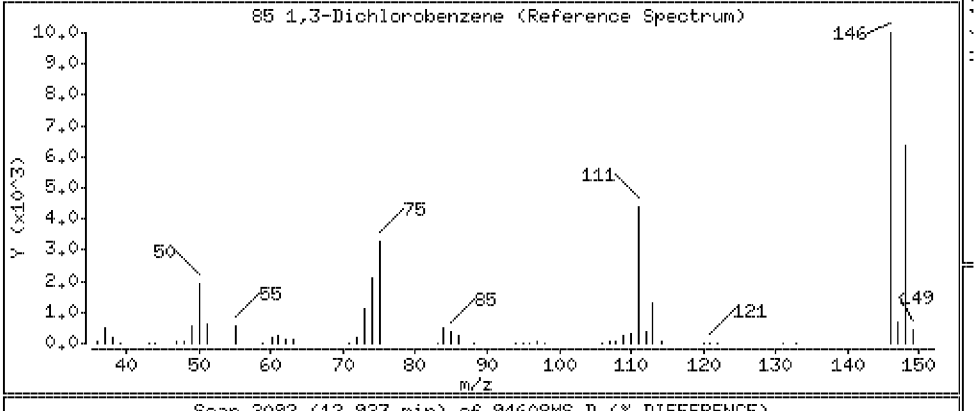
Concentration: 21.2 ug/l

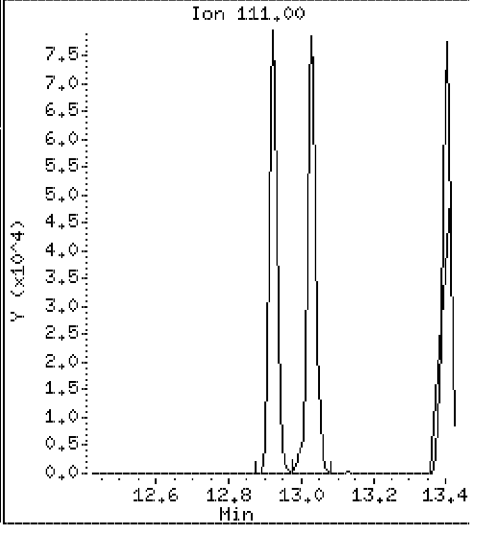


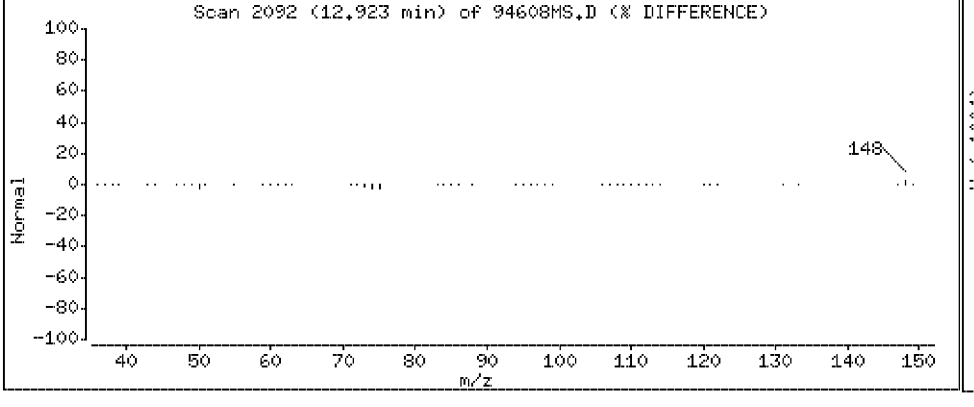












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

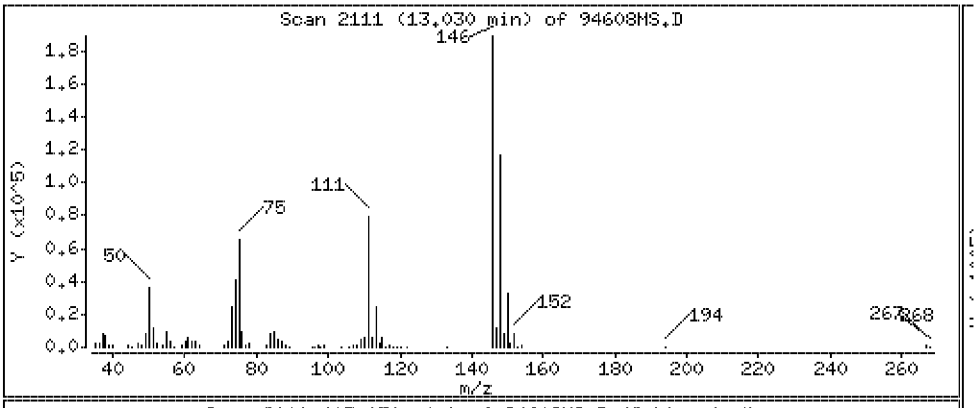
Operator:

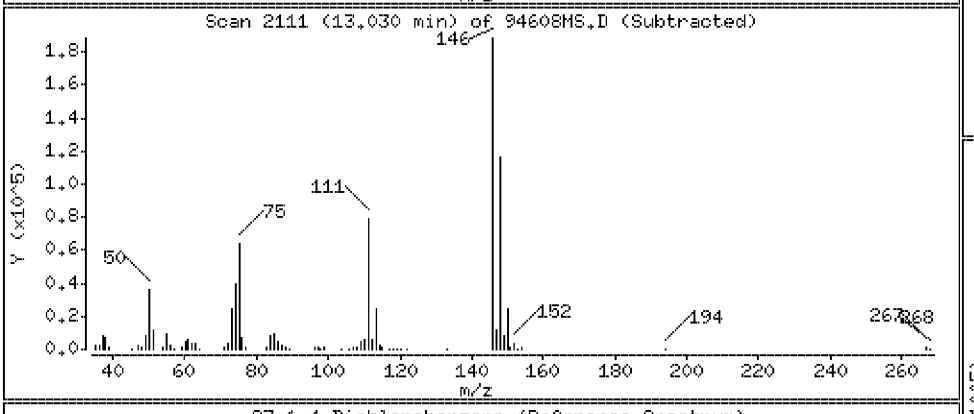
Column phase: DB-624

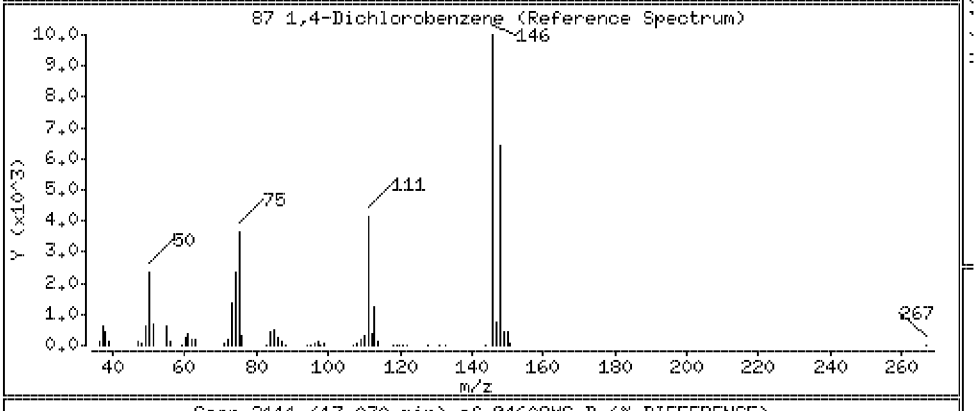
Column diameter: 0.18

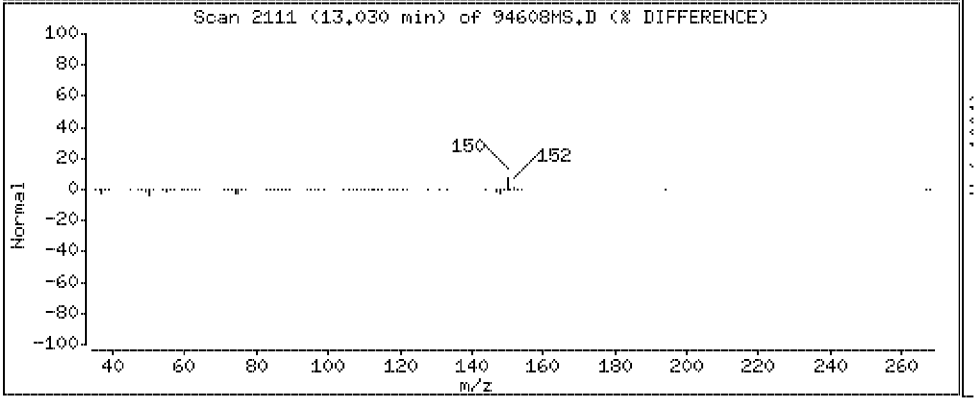
87 1,4-Dichlorobenzene

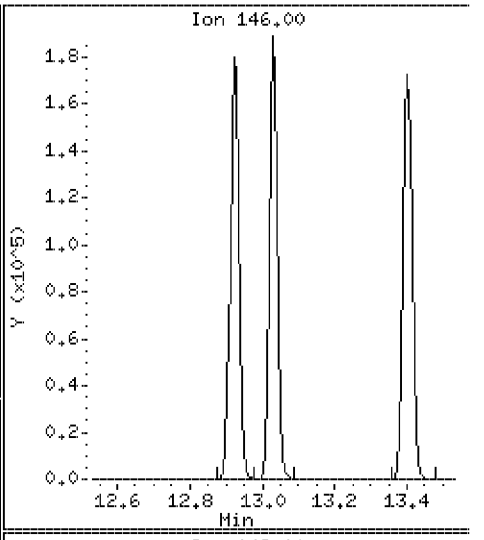
Concentration: 21.0 ug/l

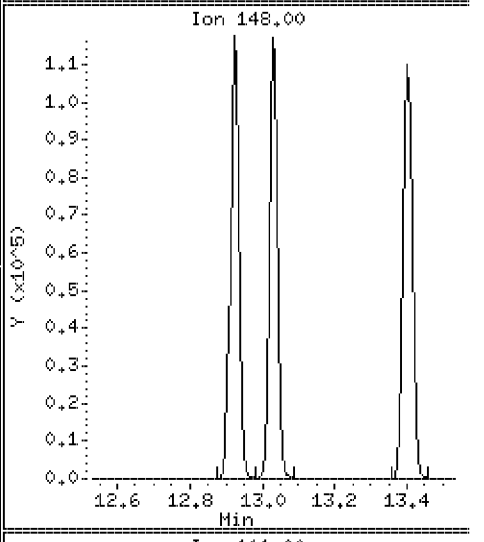


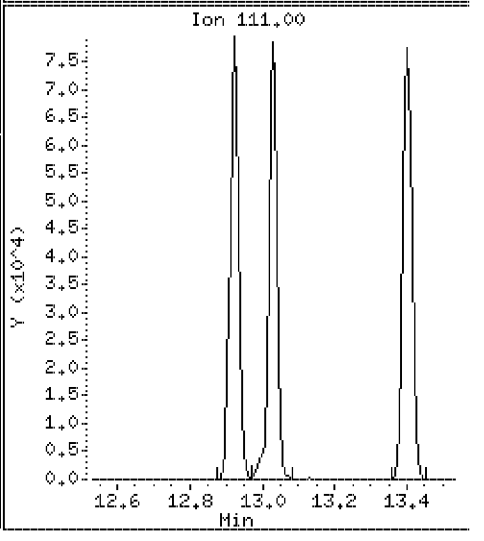












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

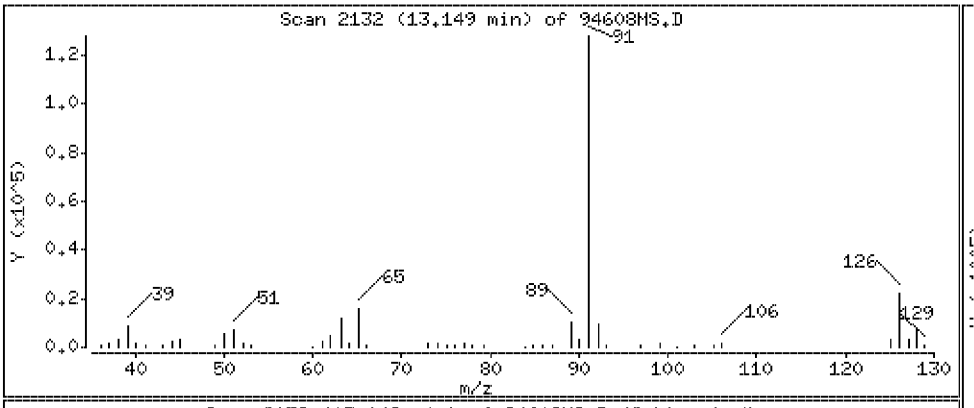
Operator:

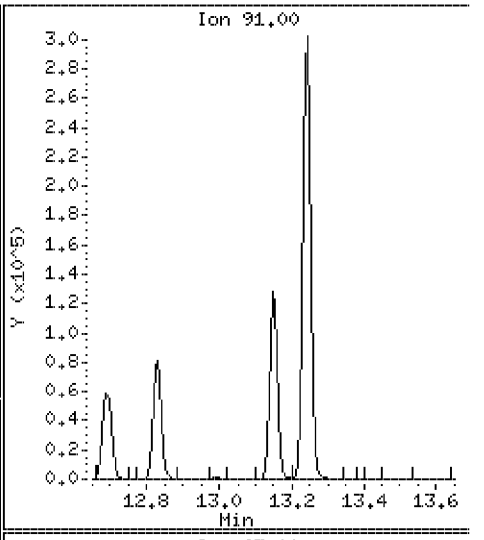
Column phase: DB-624

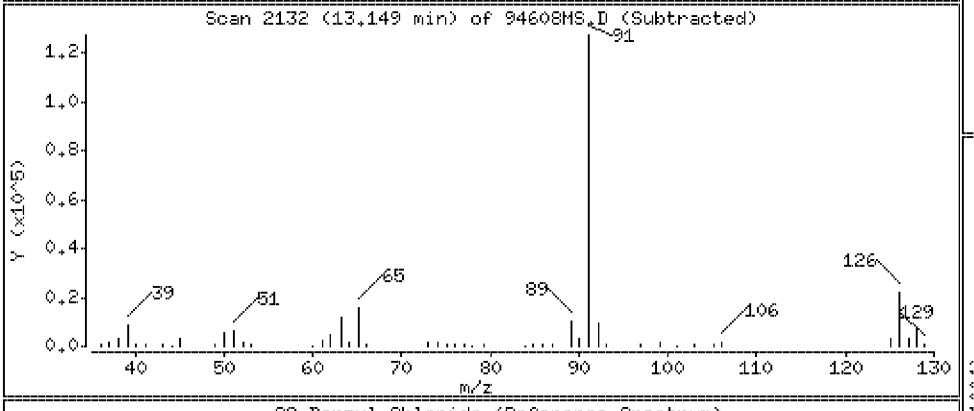
Column diameter: 0.18

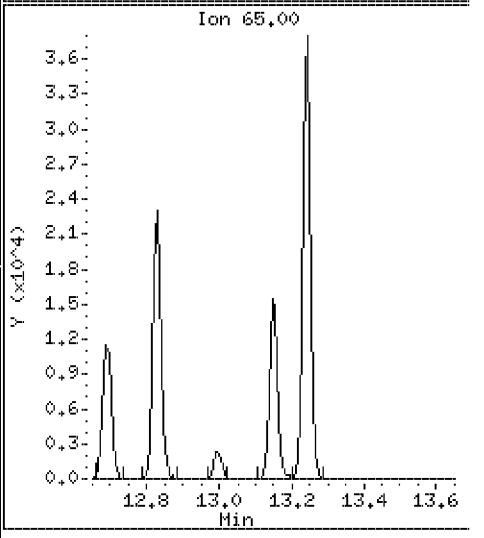
88 Benzyl Chloride

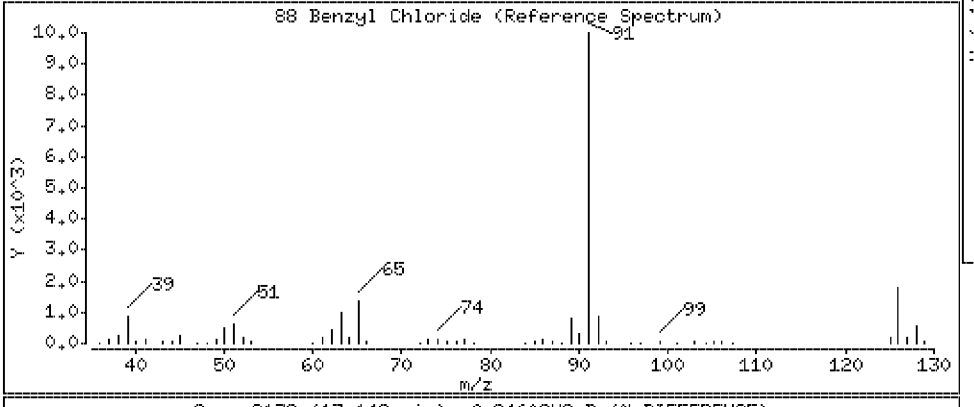
Concentration: 24.0 ug/l

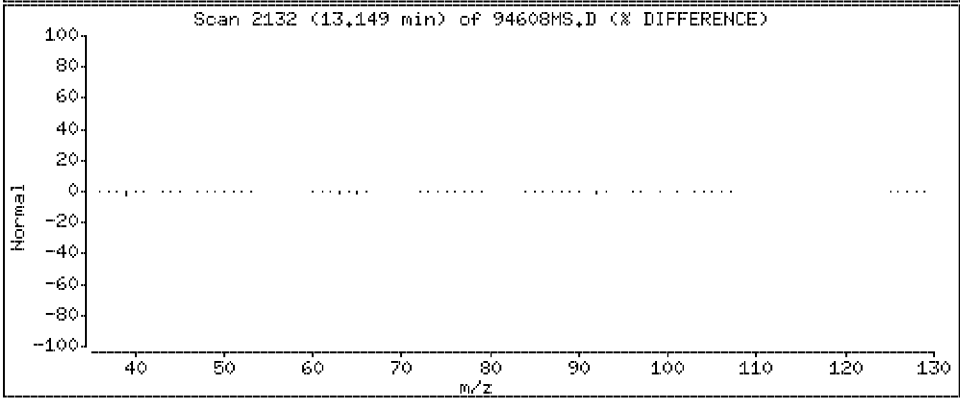












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

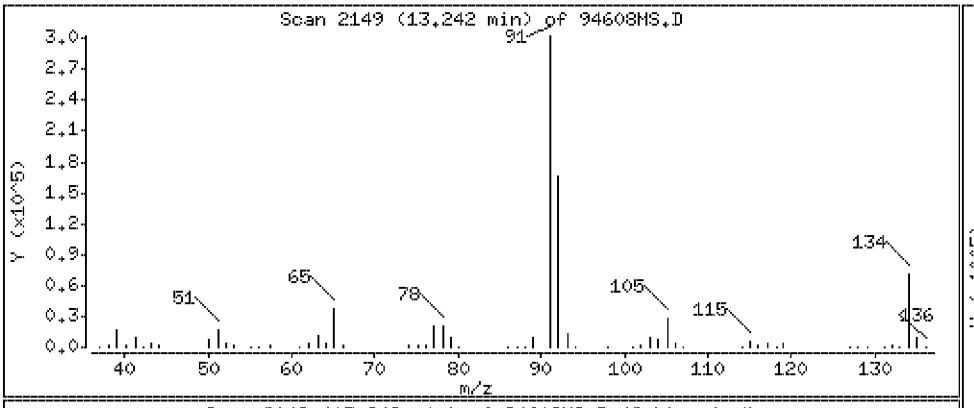
Operator:

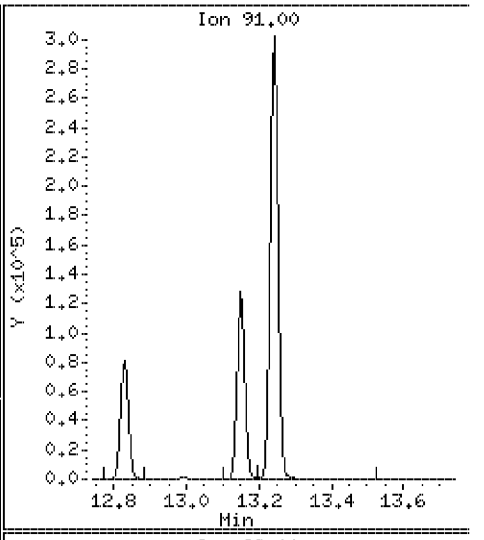
Column phase: DB-624

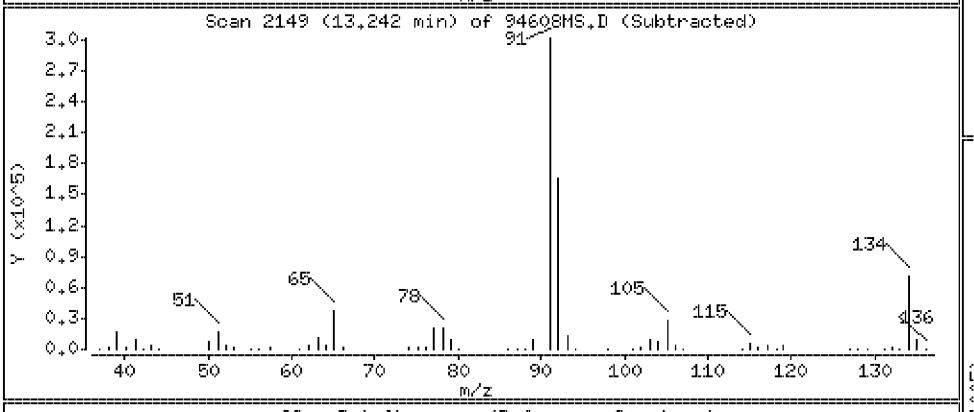
Column diameter: 0.18

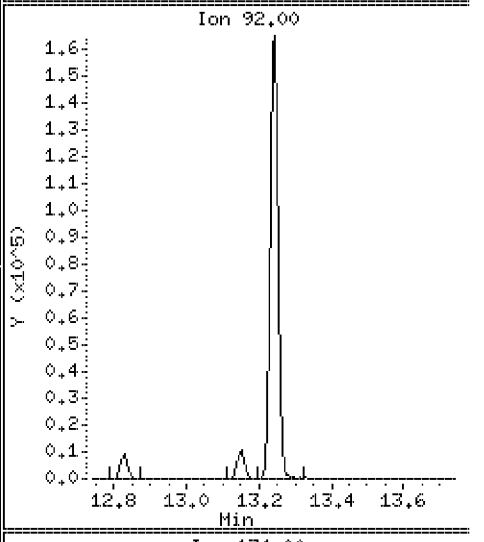
89 n-Butylbenzene

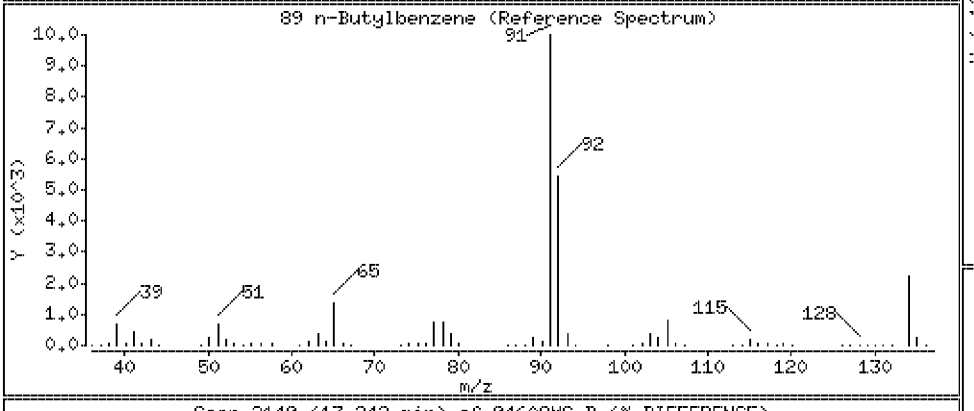
Concentration: 21.6 ug/l

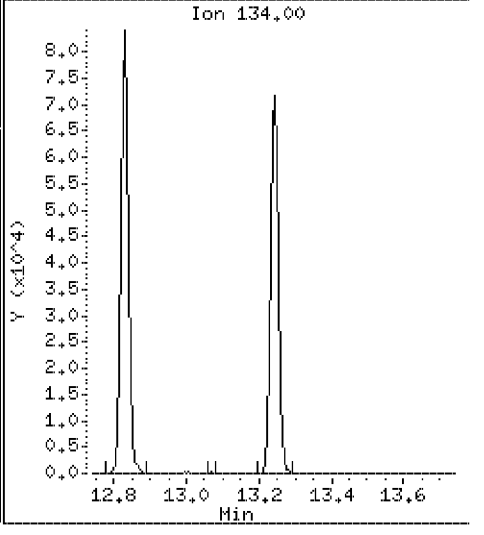


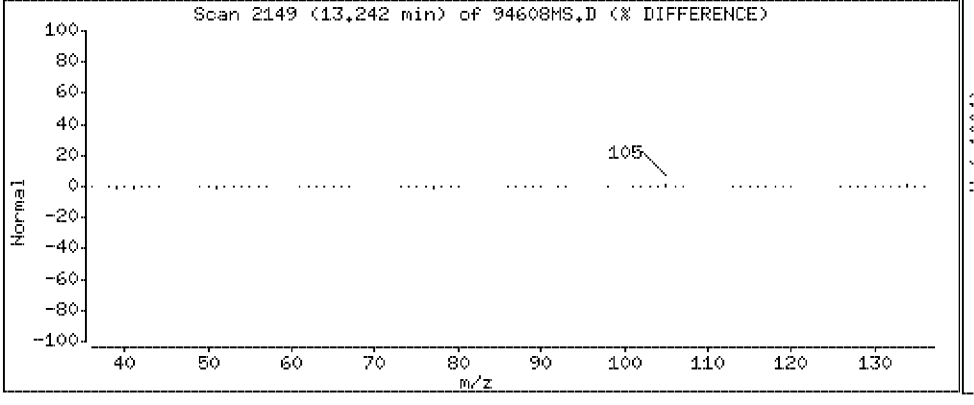












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

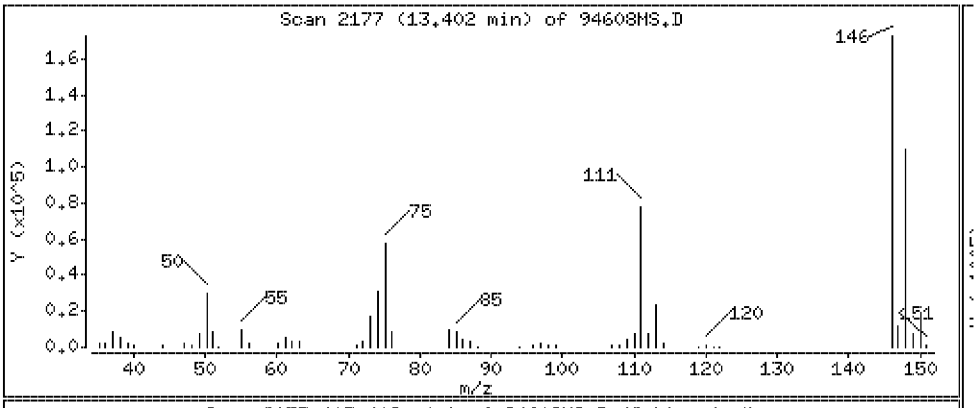
Operator:

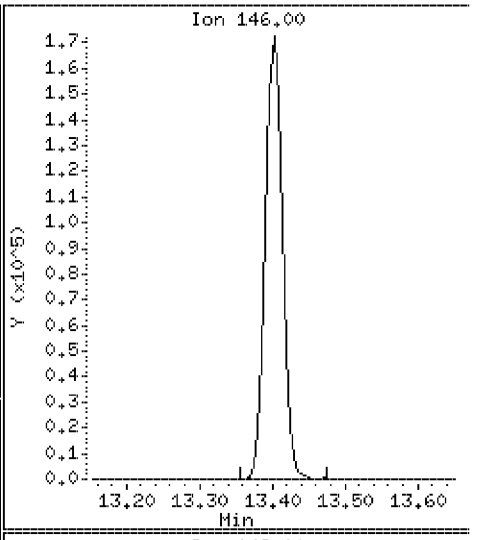
Column phase: DB-624

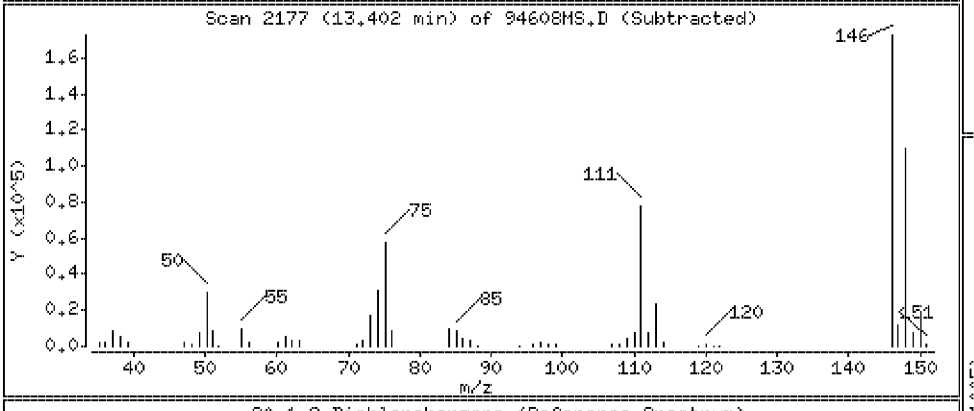
Column diameter: 0.18

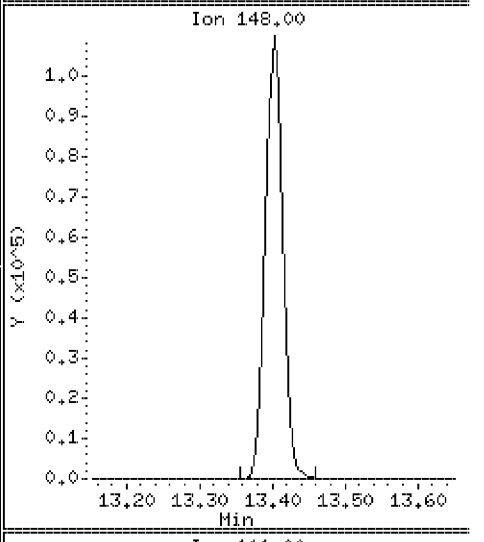
90 1,2-Dichlorobenzene

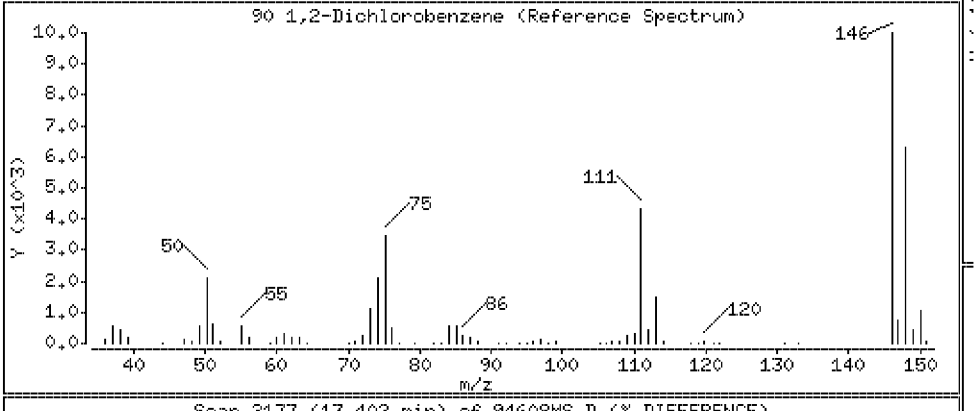
Concentration: 20.7 ug/l

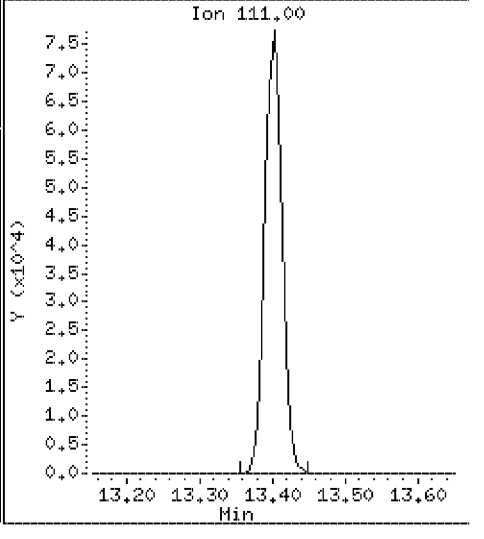


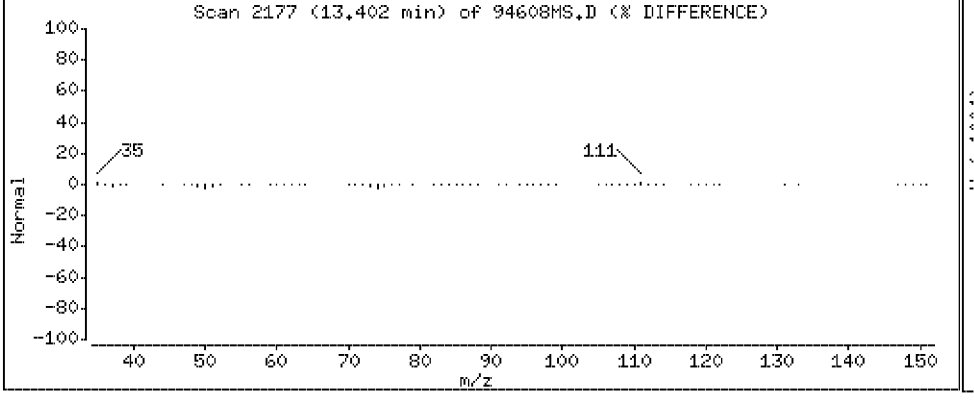












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

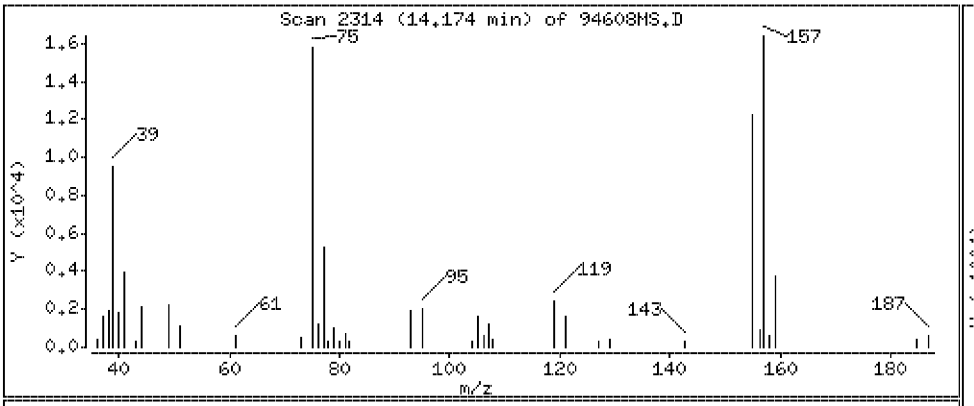
Operator:

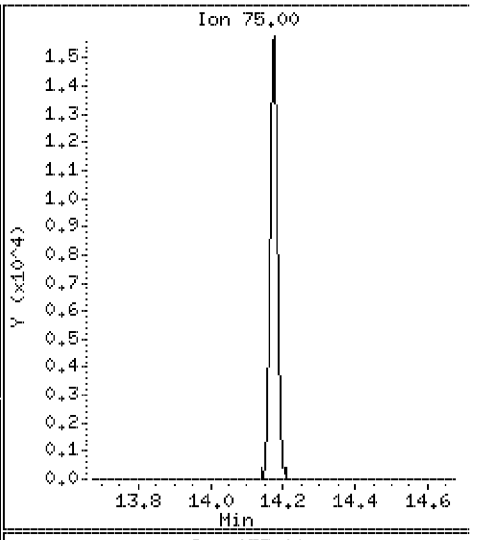
Column phase: DB-624

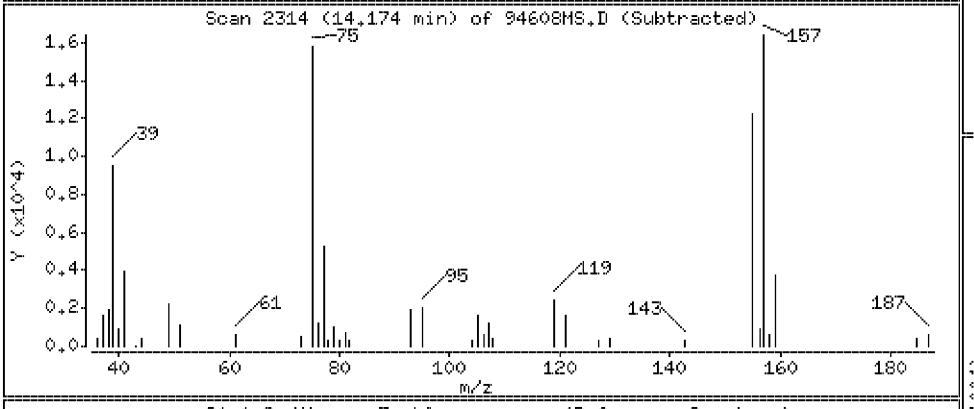
Column diameter: 0.18

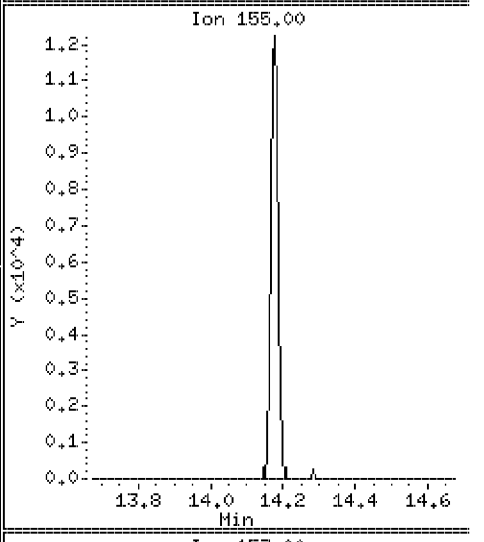
91 1,2-dibromo-3-chloropropane

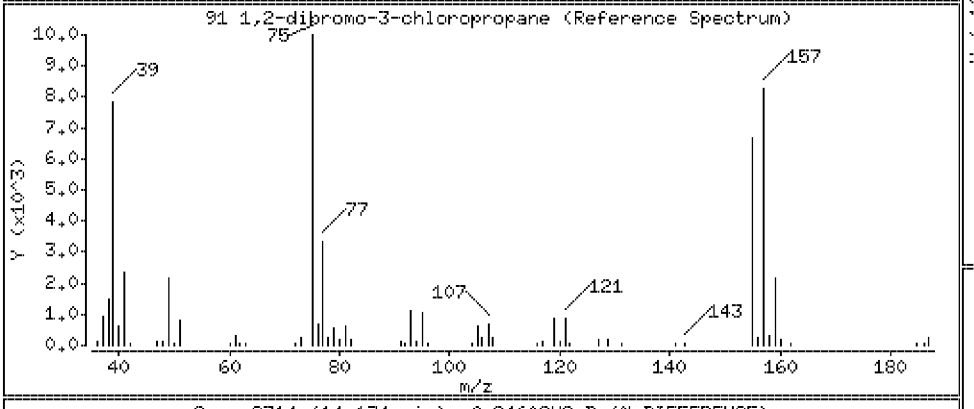
Concentration: 20.6 ug/l

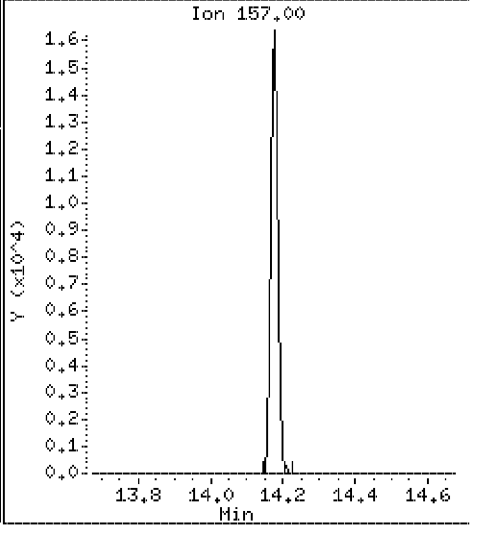


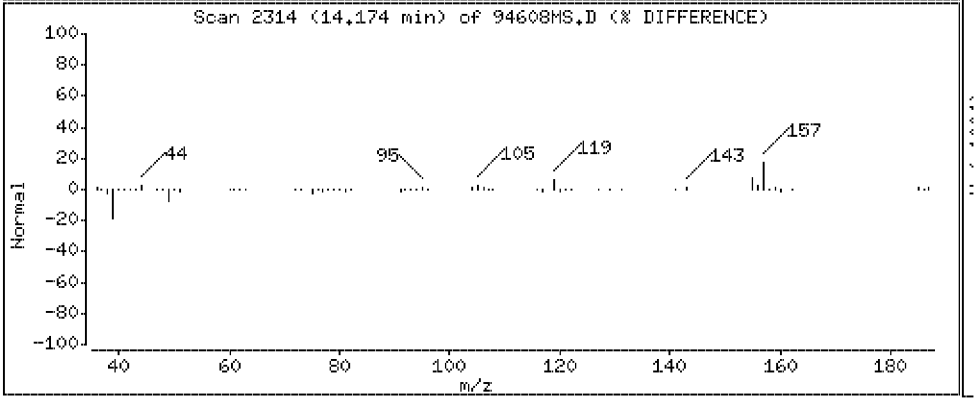












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

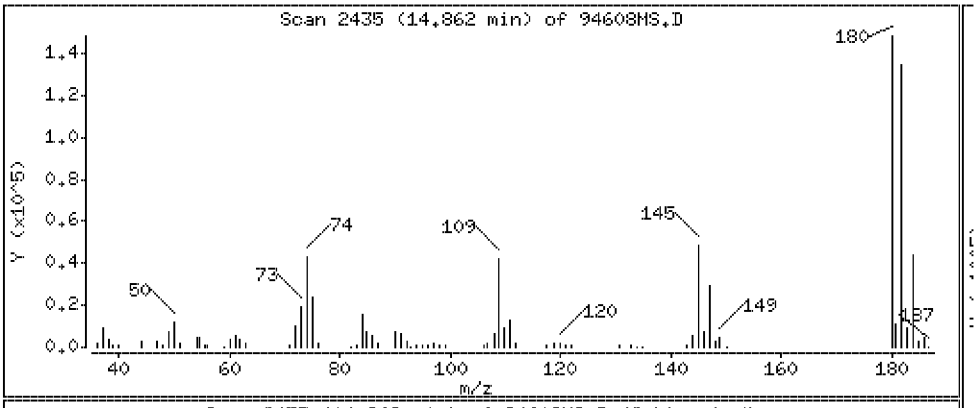
Operator:

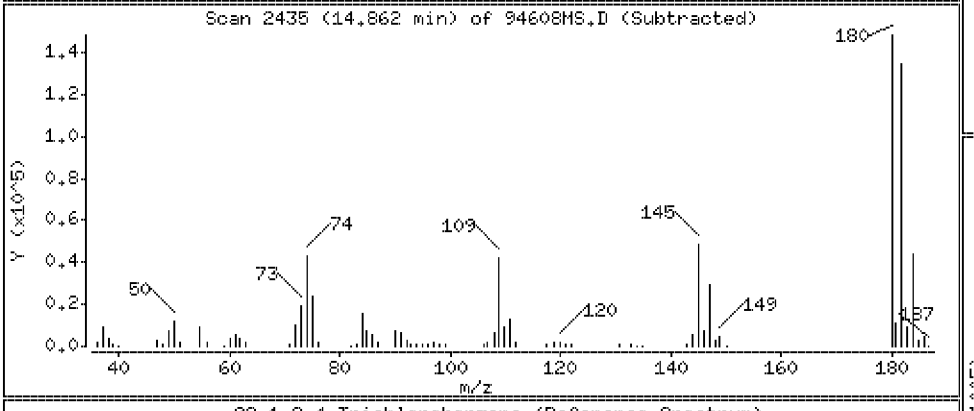
Column phase: DB-624

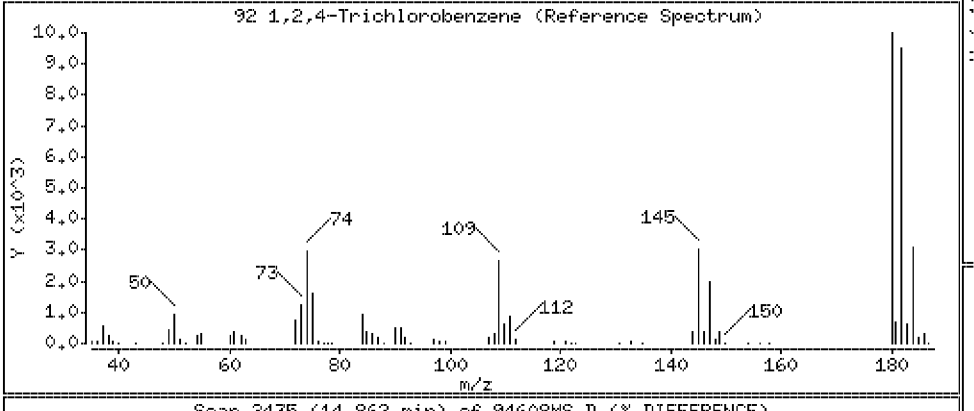
Column diameter: 0.18

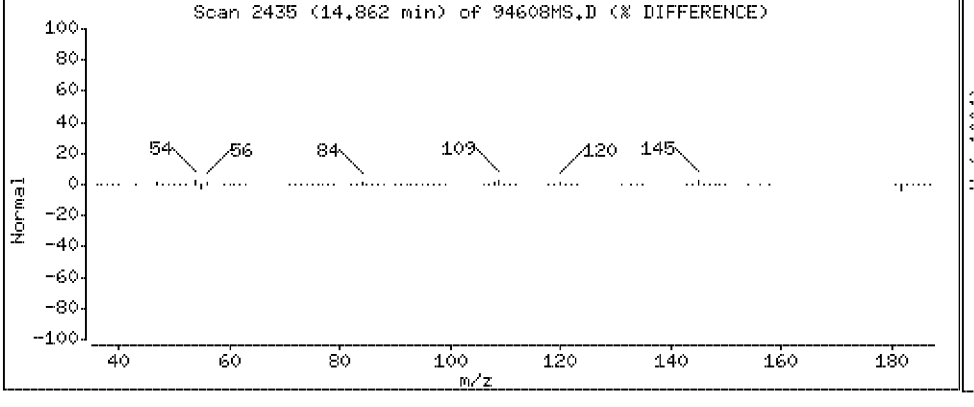
92 1,2,4-Trichlorobenzene

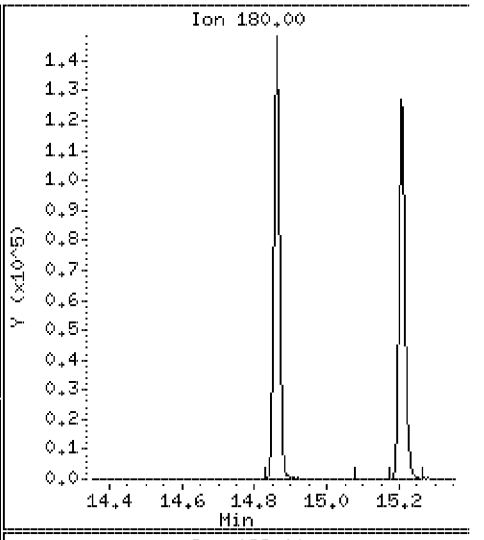
Concentration: 21.4 ug/l

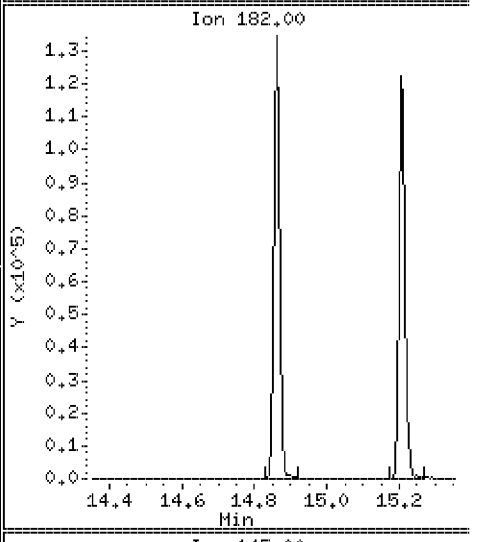


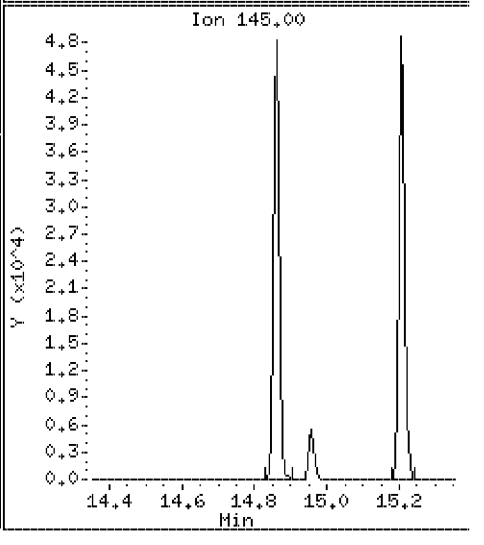












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

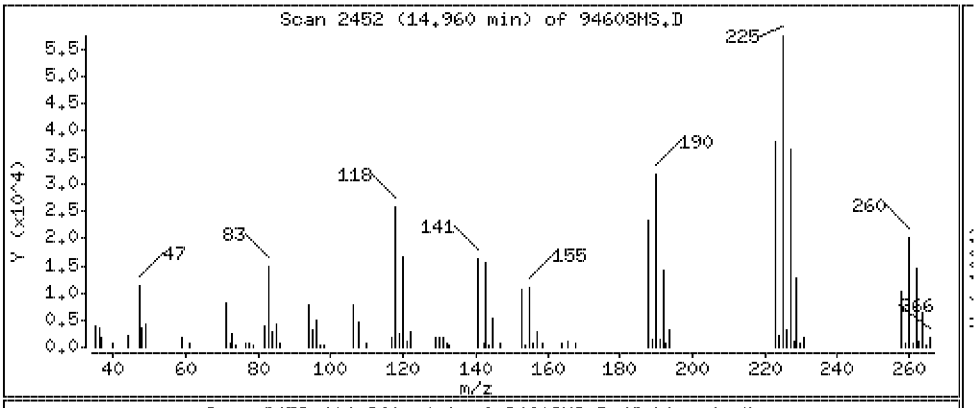
Operator:

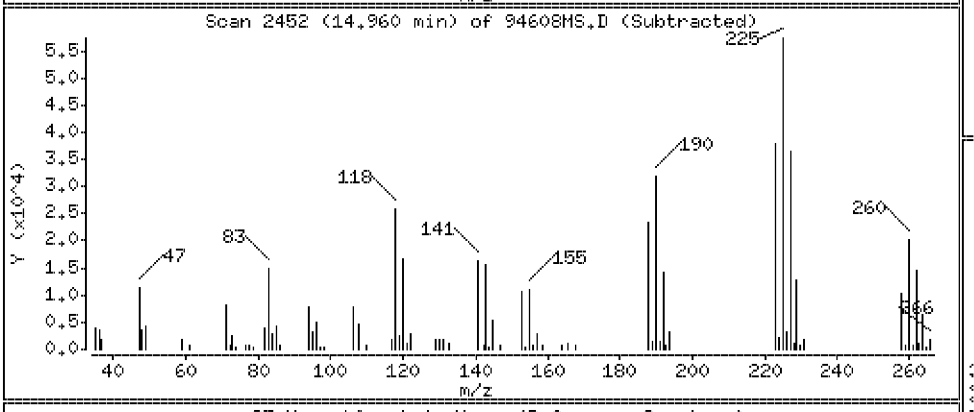
Column phase: DB-624

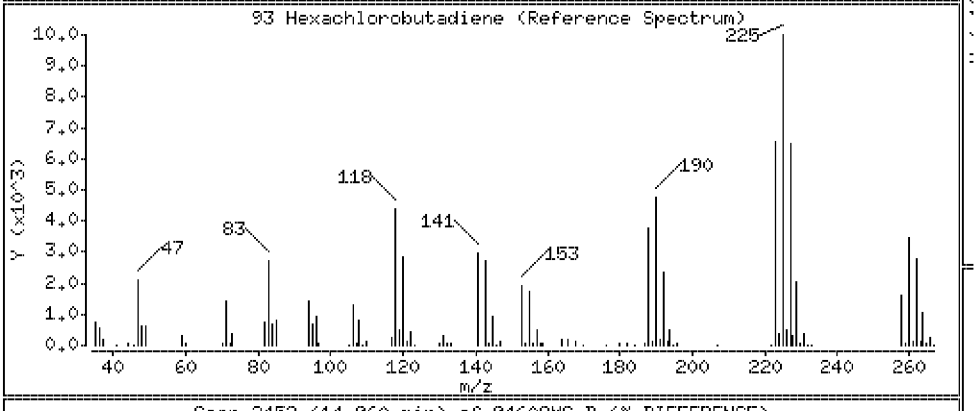
Column diameter: 0.18

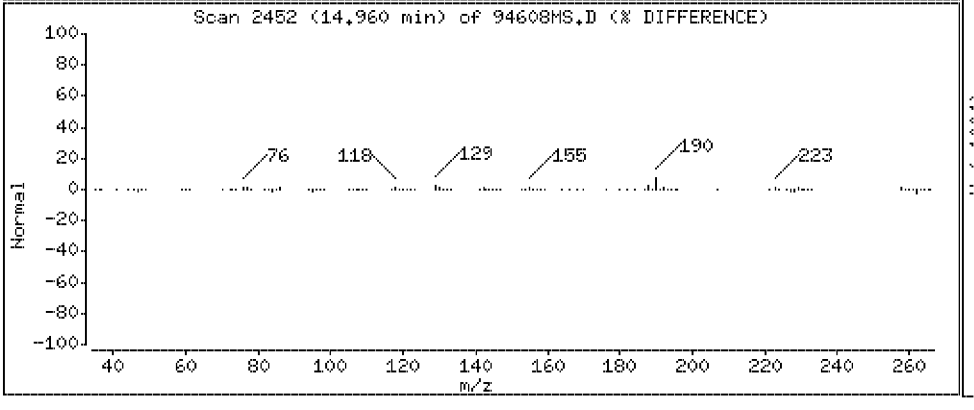
93 Hexachlorobutadiene

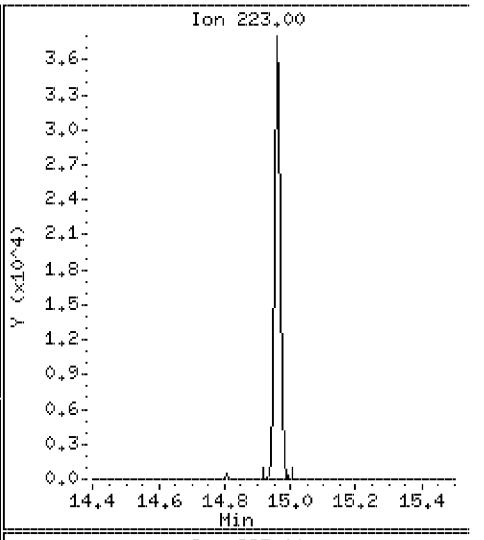
Concentration: 23.7 ug/l

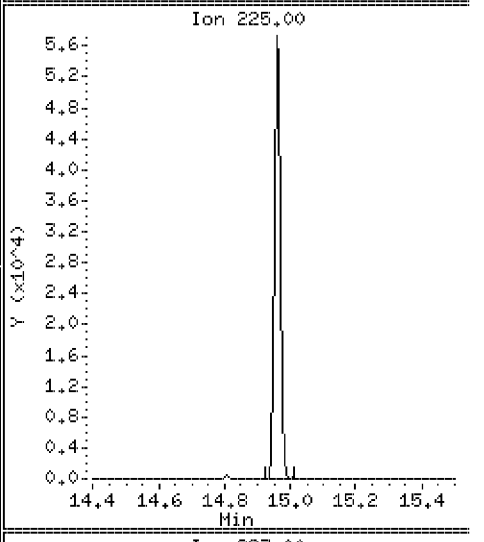


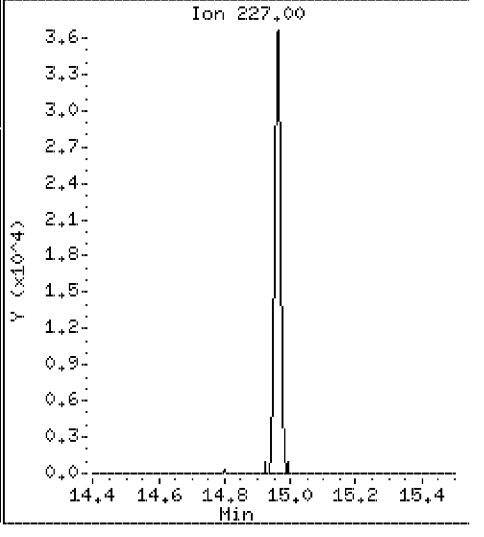












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

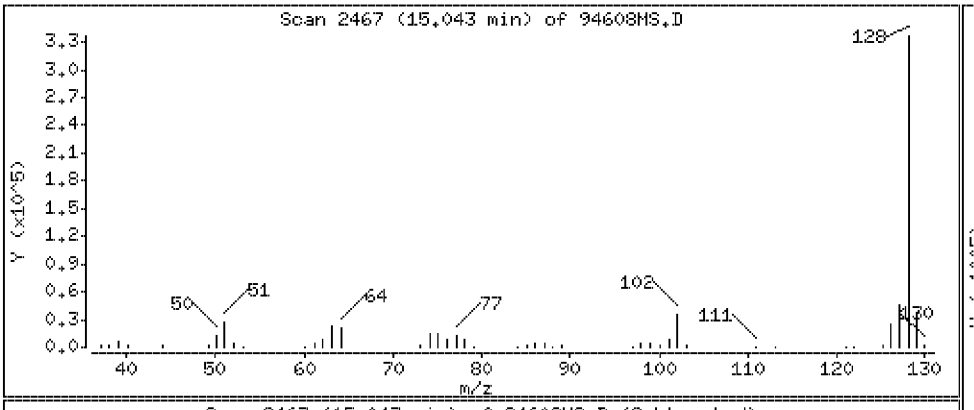
Operator:

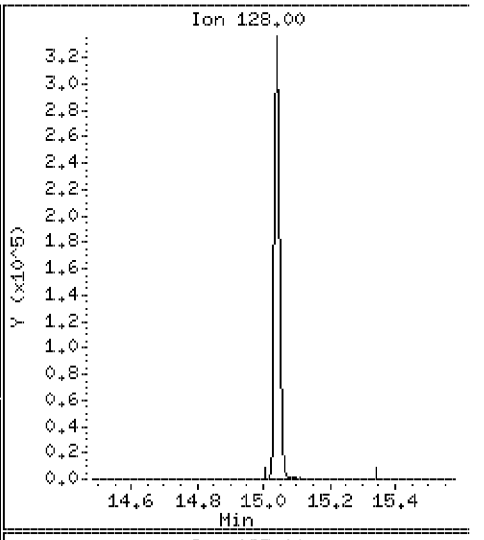
Column phase: DB-624

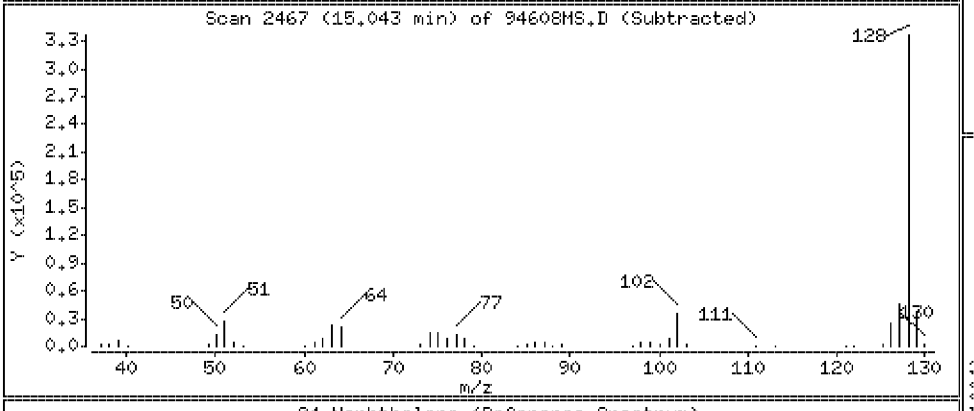
Column diameter: 0.18

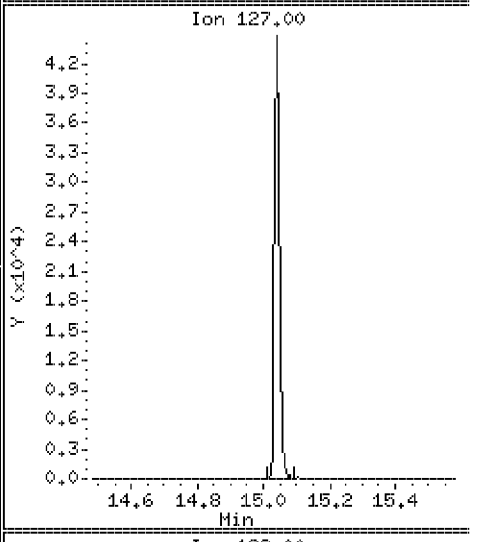
94 Naphthalene

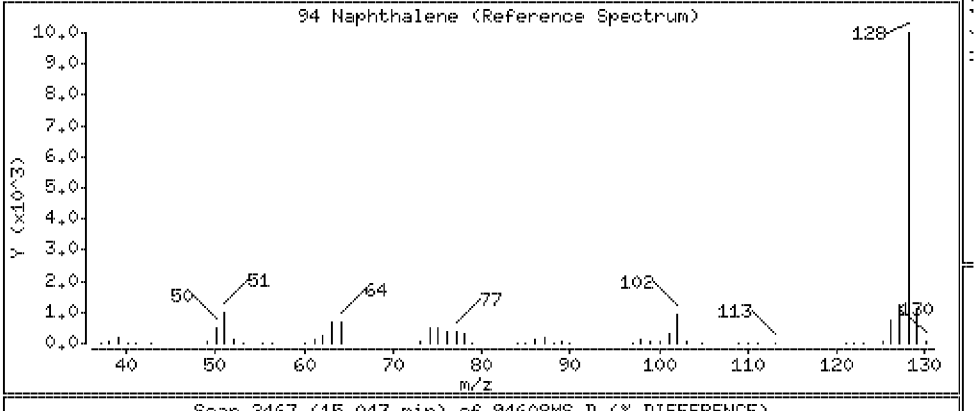
Concentration: 20.5 ug/l

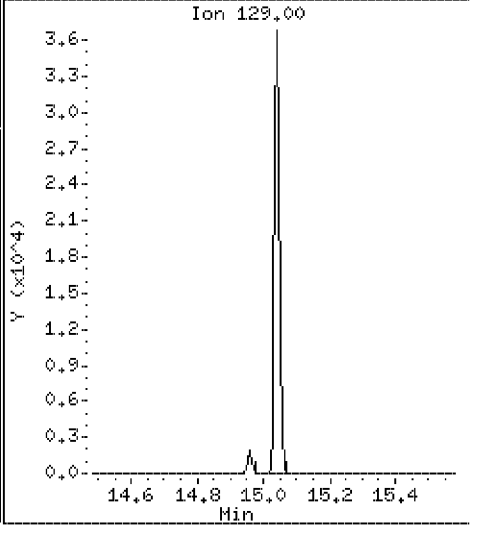


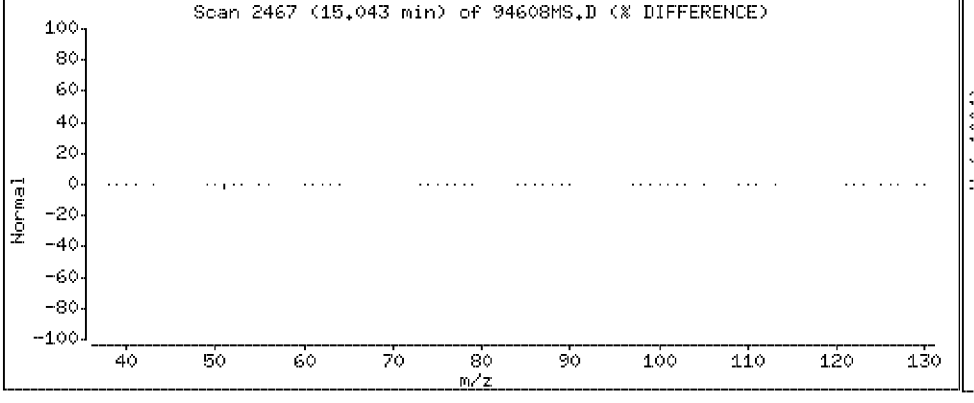












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

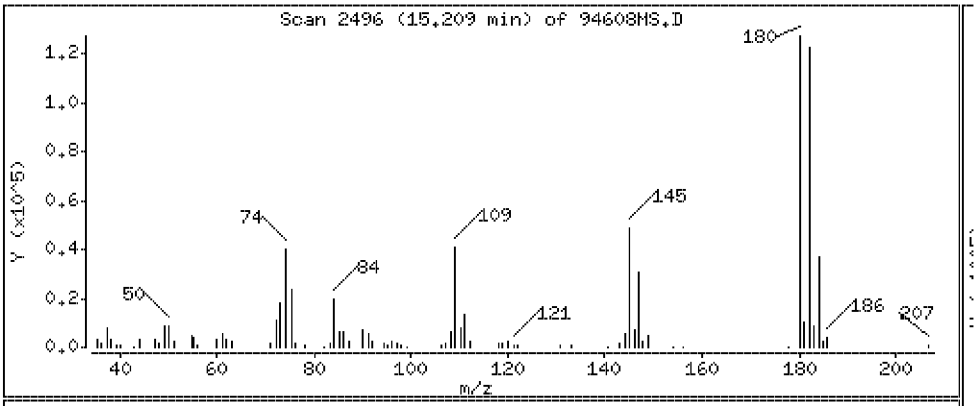
Operator:

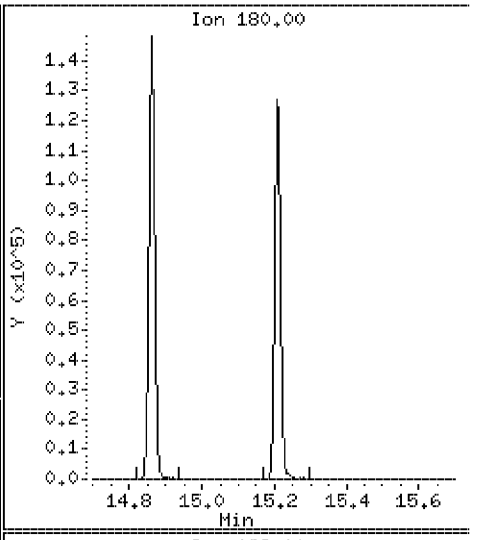
Column phase: DB-624

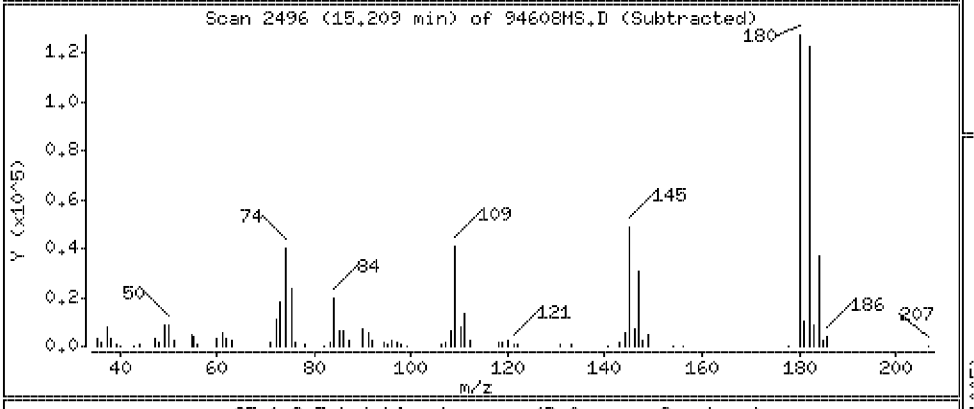
Column diameter: 0.18

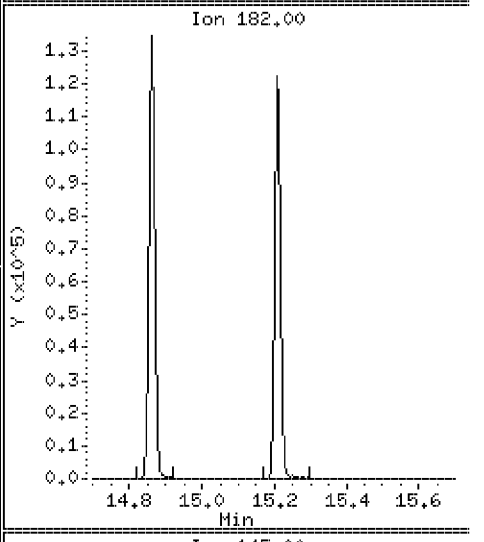
95 1,2,3-trichlorobenzene

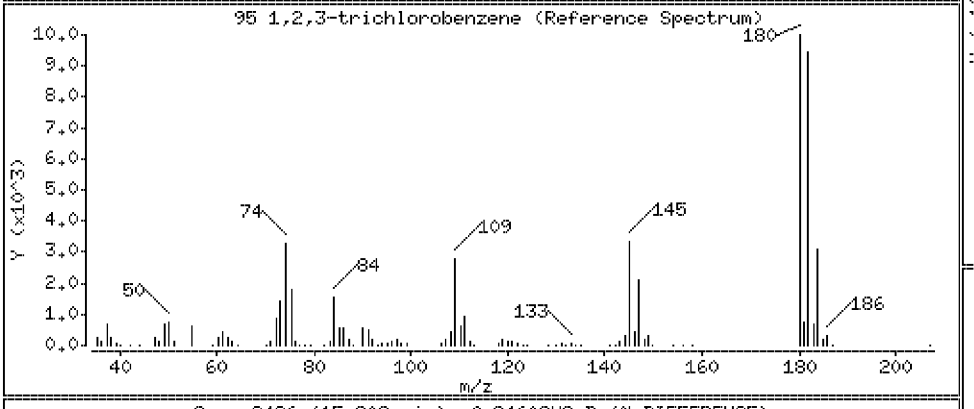
Concentration: 21.0 ug/l

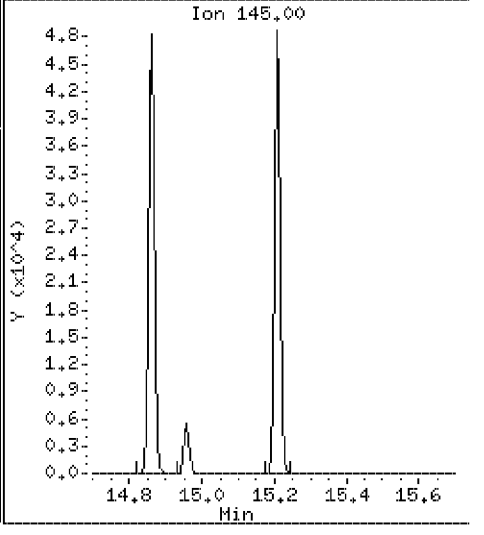


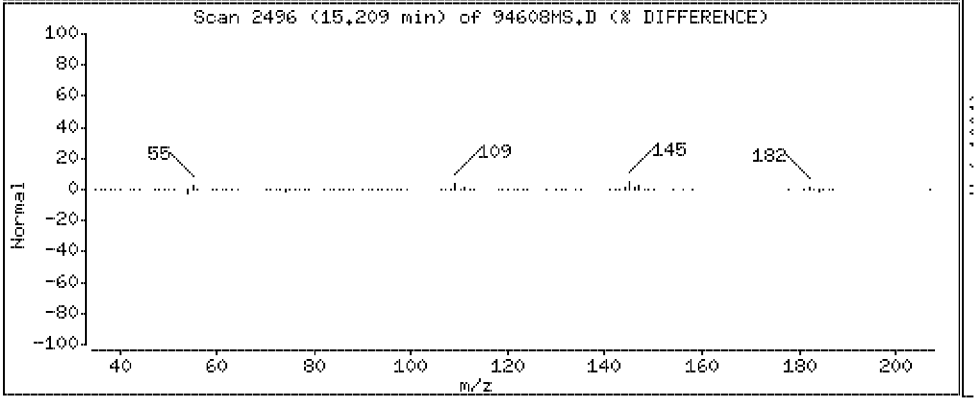












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

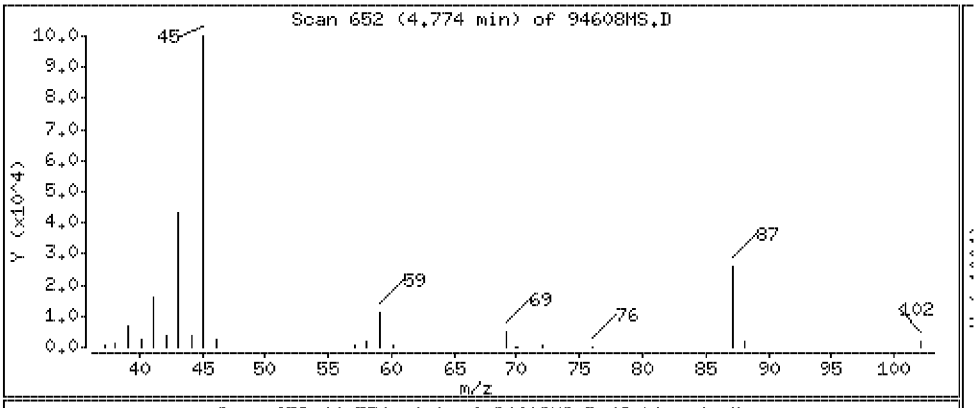
Operator:

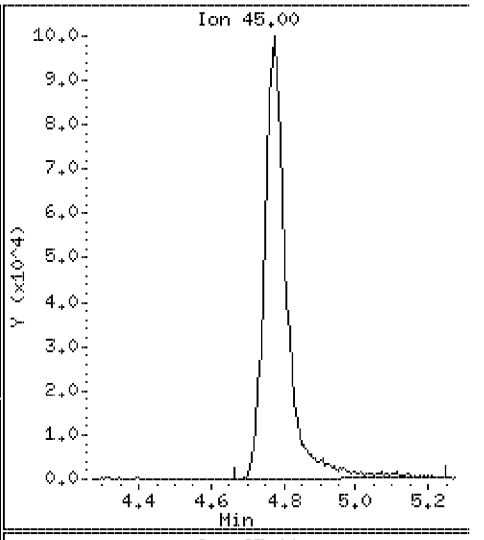
Column phase: DB-624

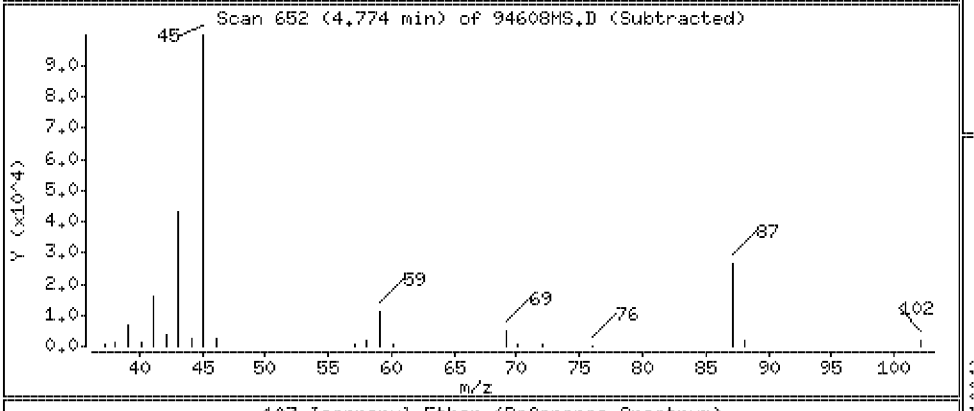
Column diameter: 0.18

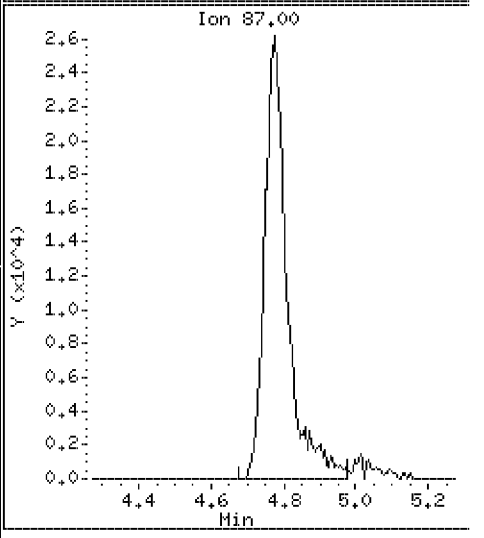
103 Isopropyl Ether

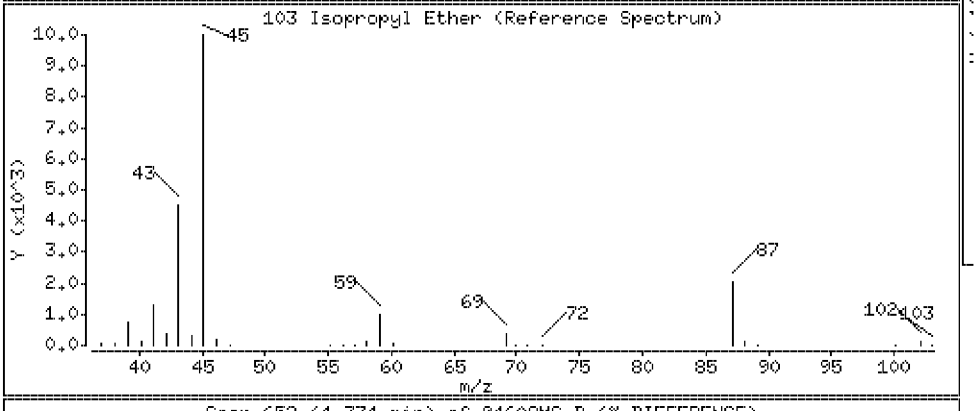
Concentration: 19.3 ug/l

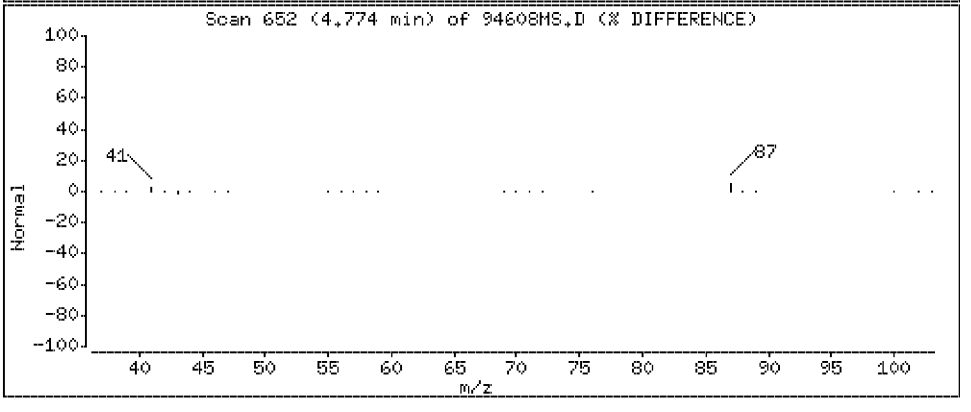












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

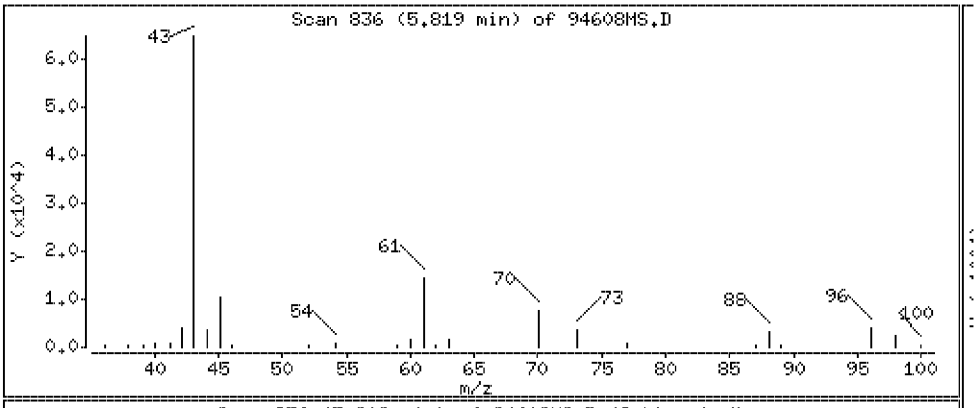
Operator:

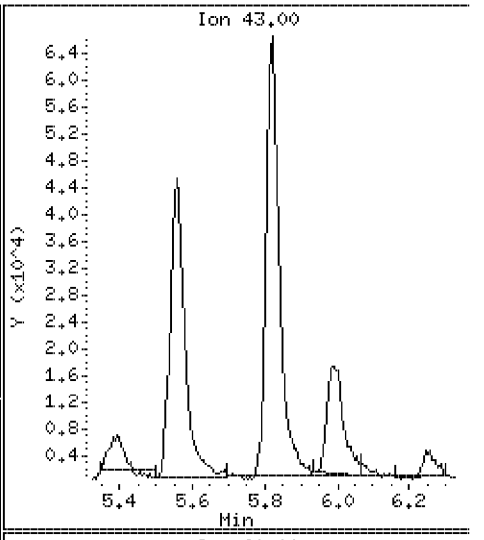
Column phase: DB-624

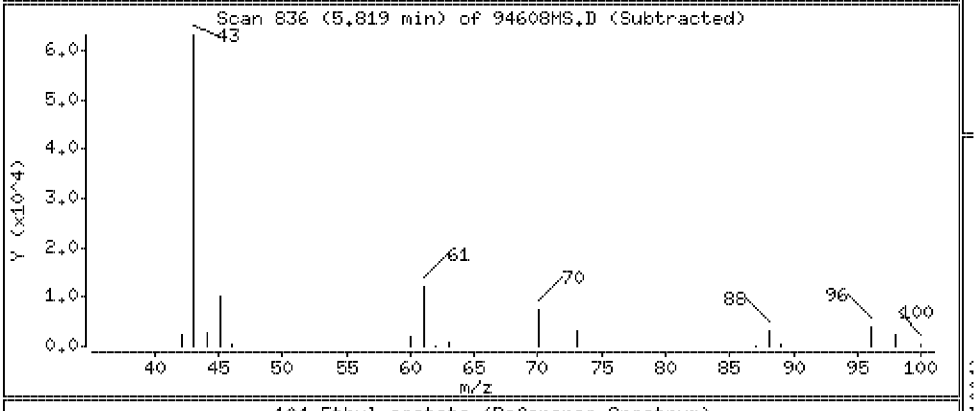
Column diameter: 0.18

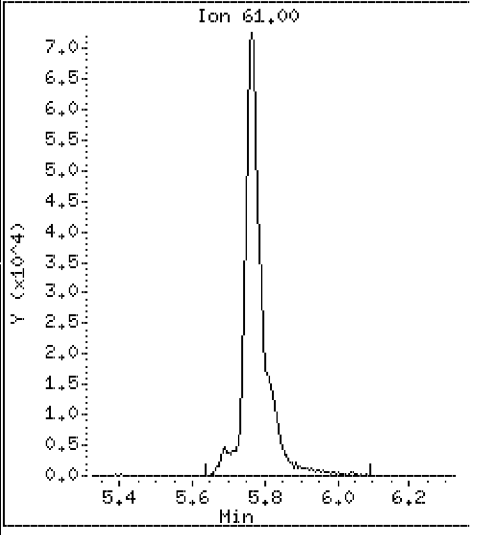
104 Ethyl acetate

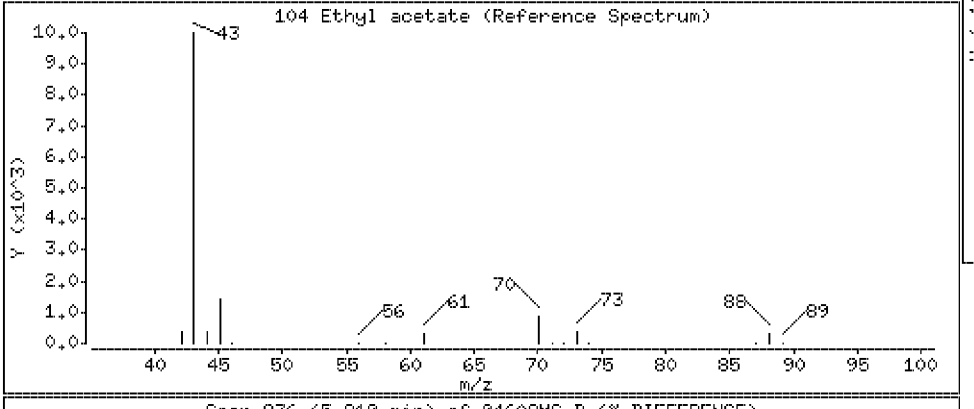
Concentration: 34.8 ug/l

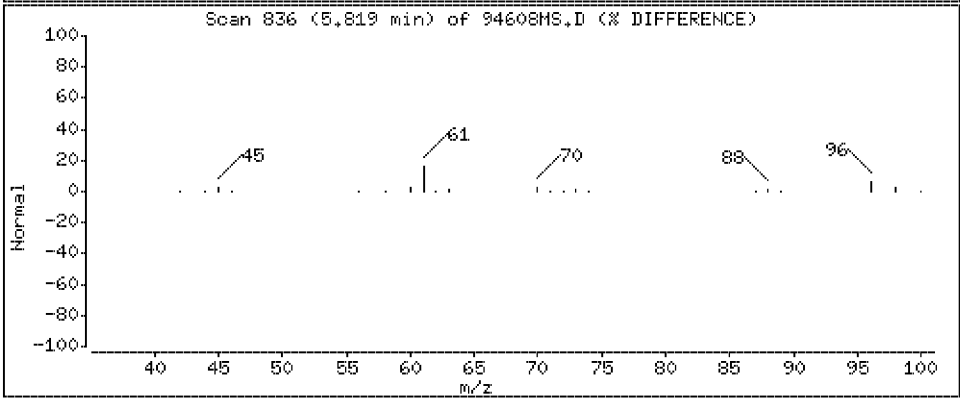












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

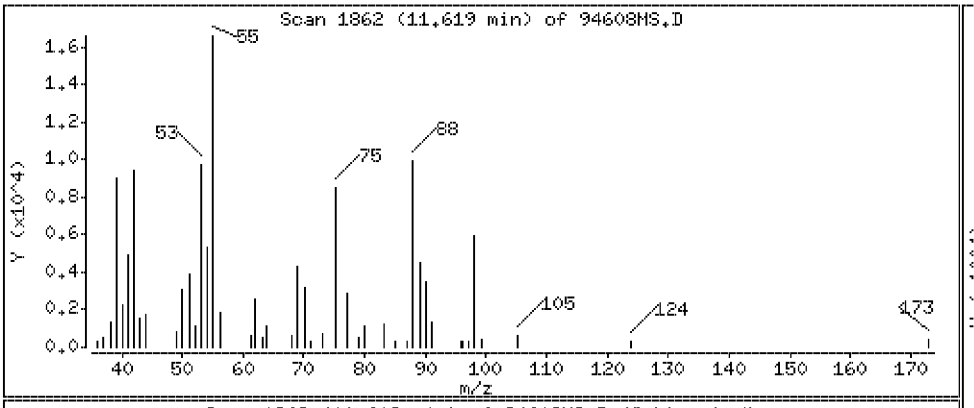
Operator:

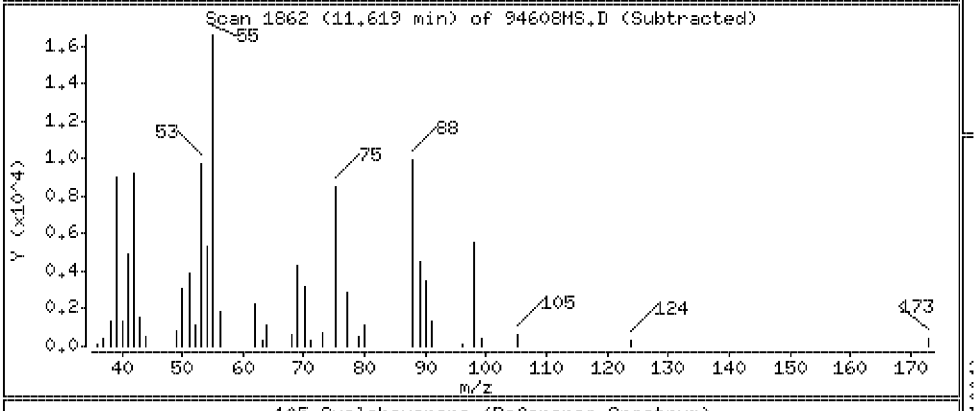
Column phase: DB-624

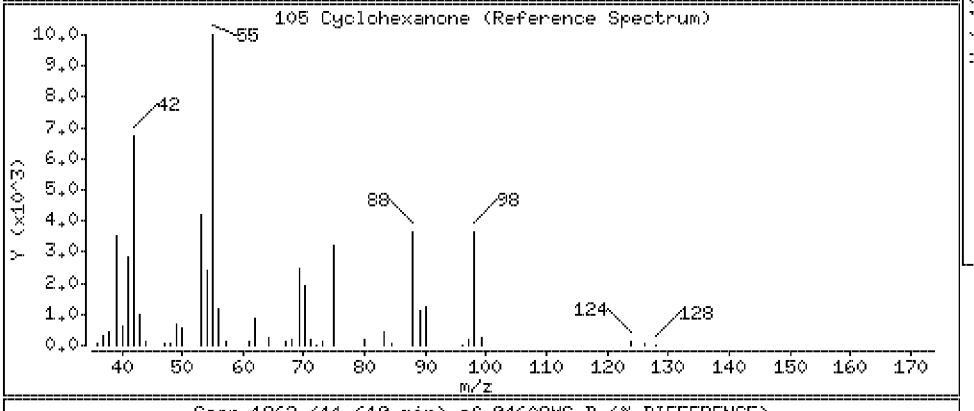
Column diameter: 0.18

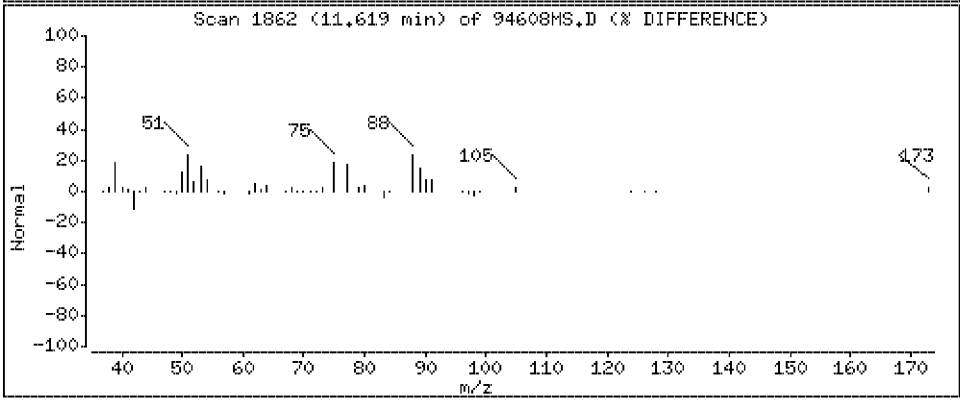
105 Cyclohexanone

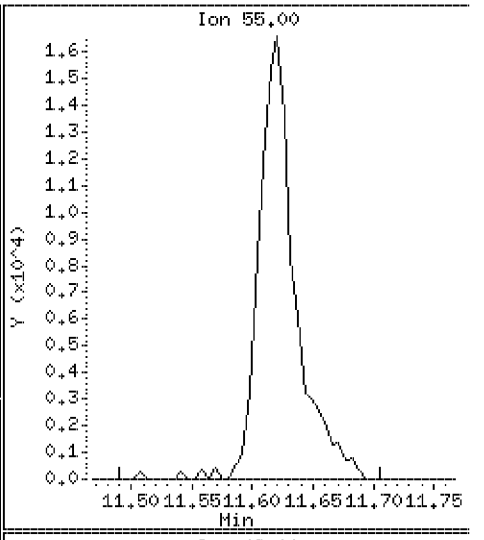
Concentration: 73.2 ug/l

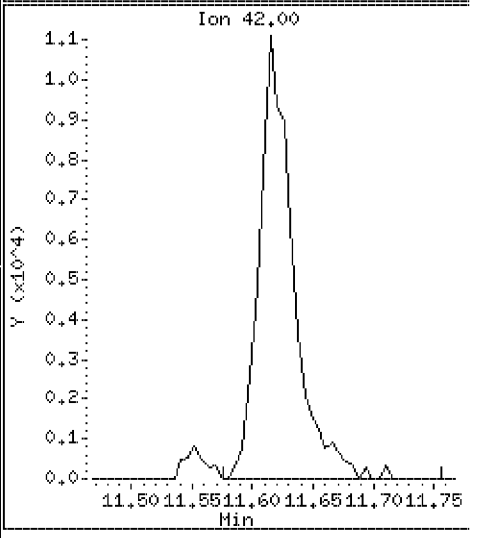












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

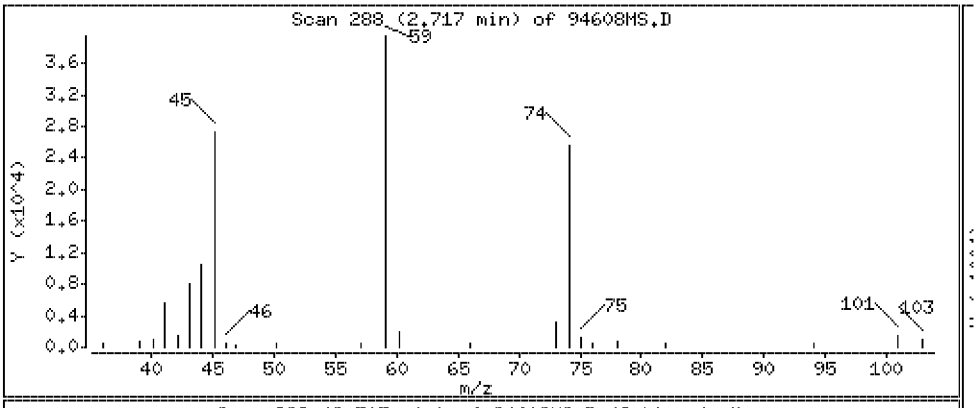
Operator:

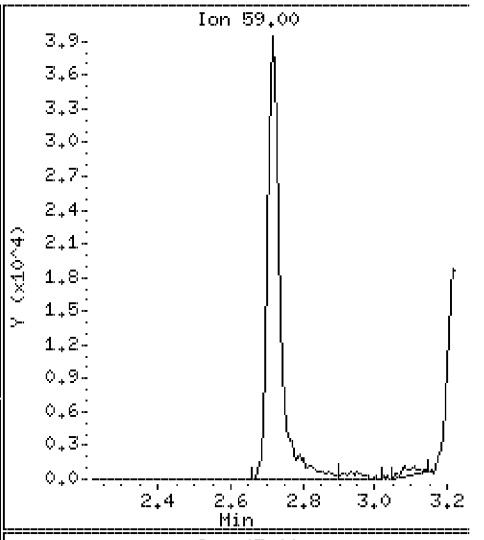
Column phase: DB-624

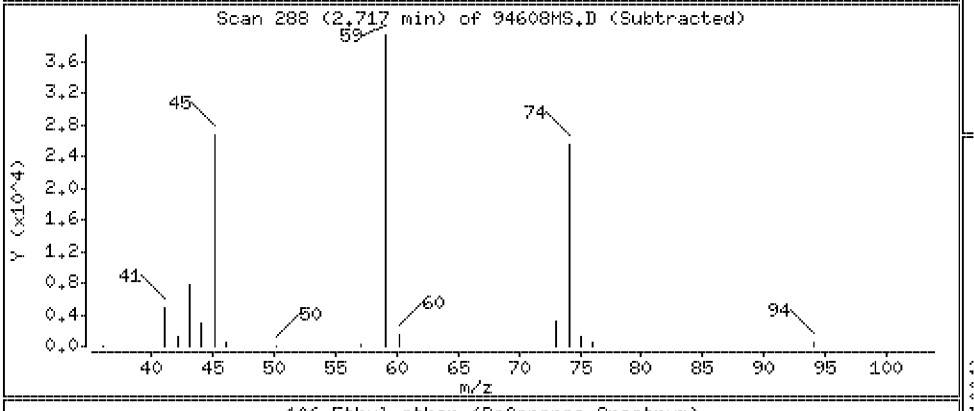
Column diameter: 0.18

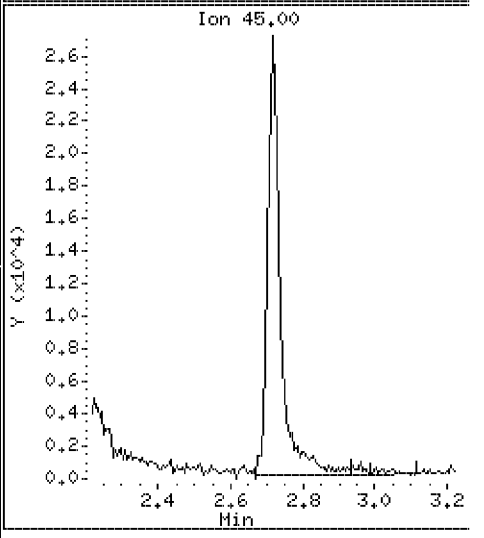
106 Ethyl ether

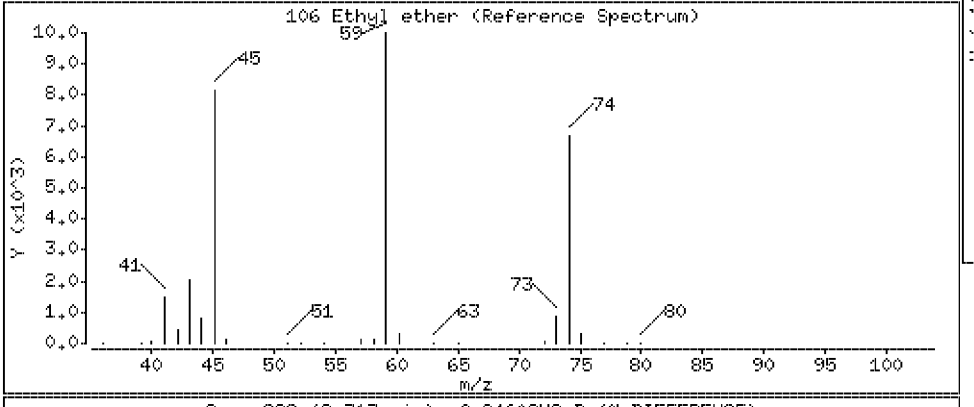
Concentration: 20.7 ug/l

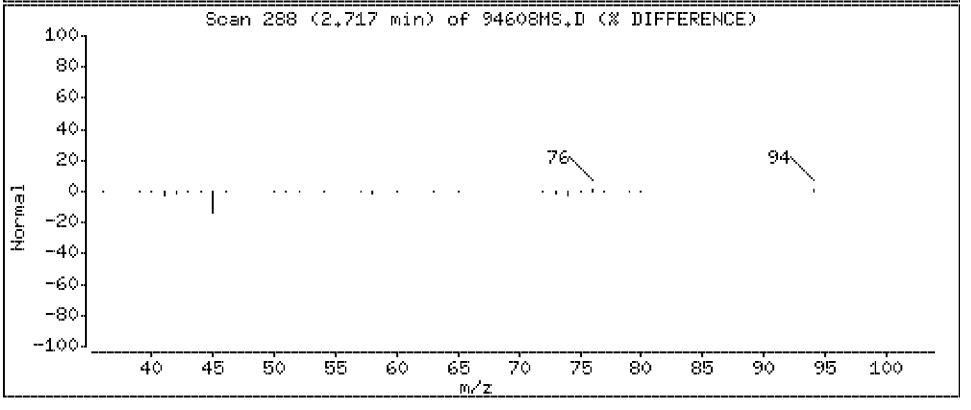












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Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

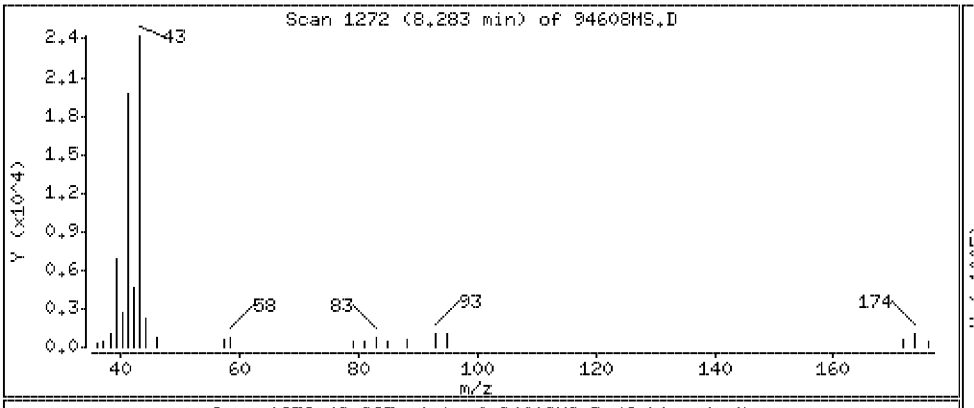
Operator:

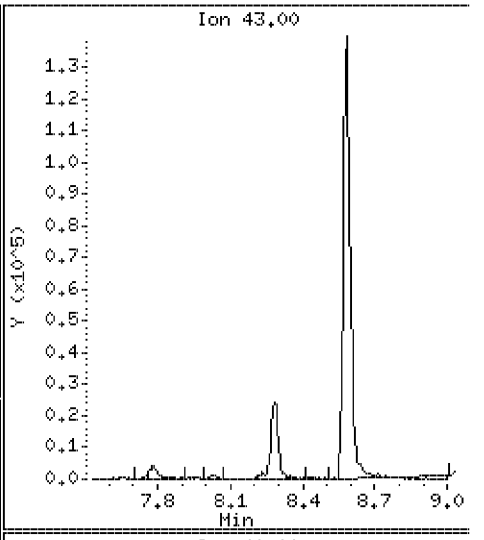
Column phase: DB-624

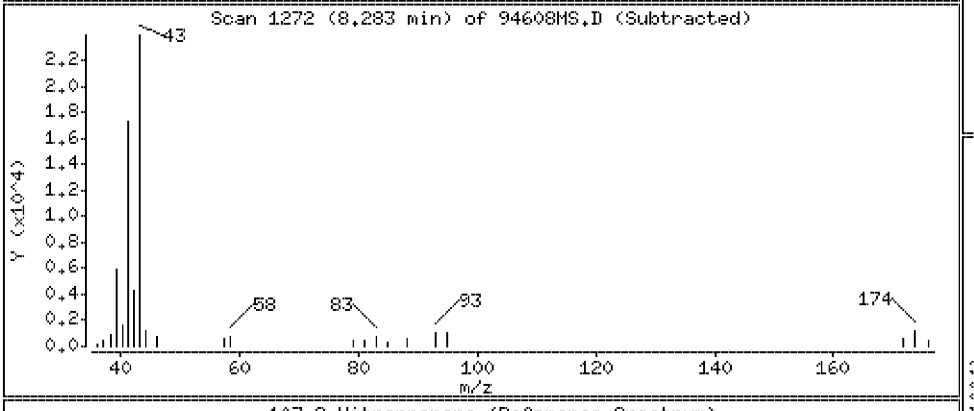
Column diameter: 0.18

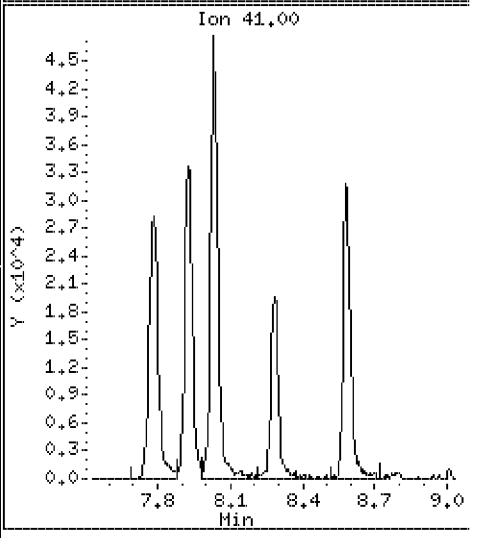
107 2-Nitropropane

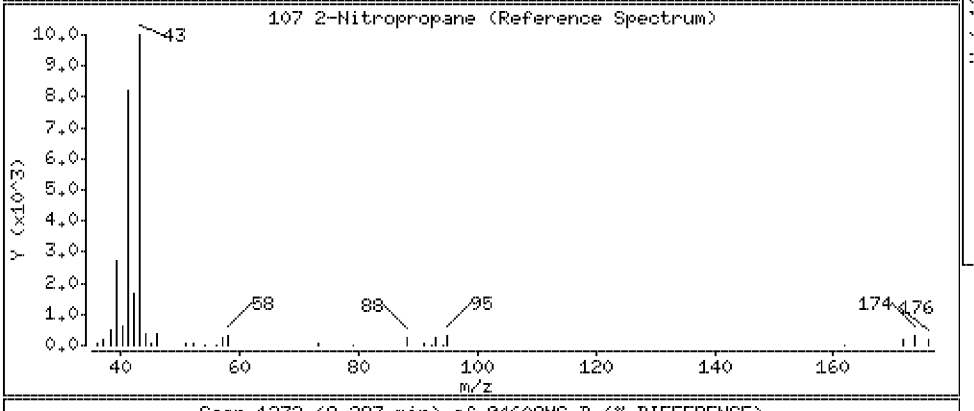
Concentration: 44.6 ug/l

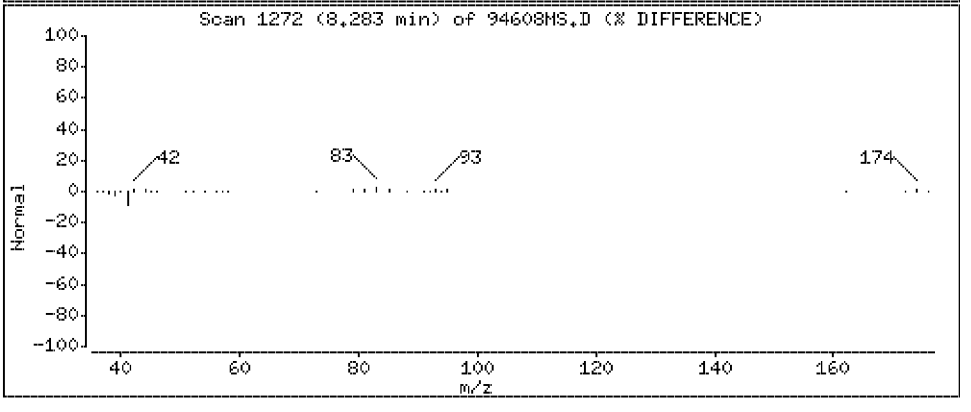












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94608MS.D

Date : 04-APR-2008 07:29

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894608;2508946;1;

Purge Volume: 5.0

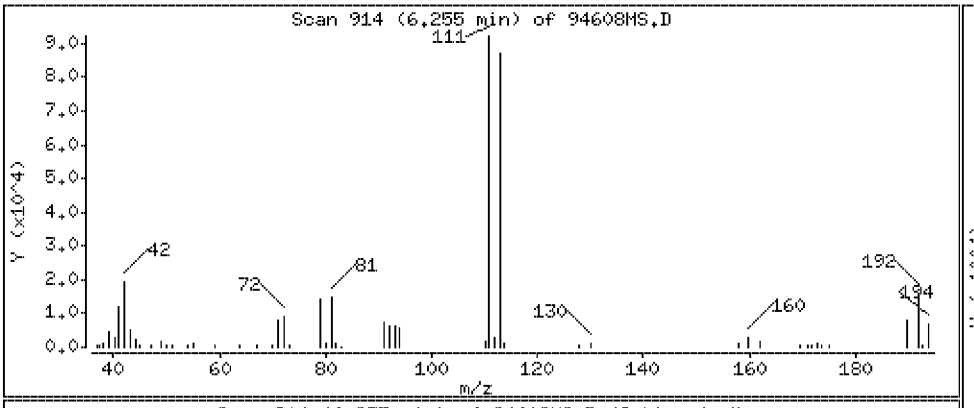
Operator:

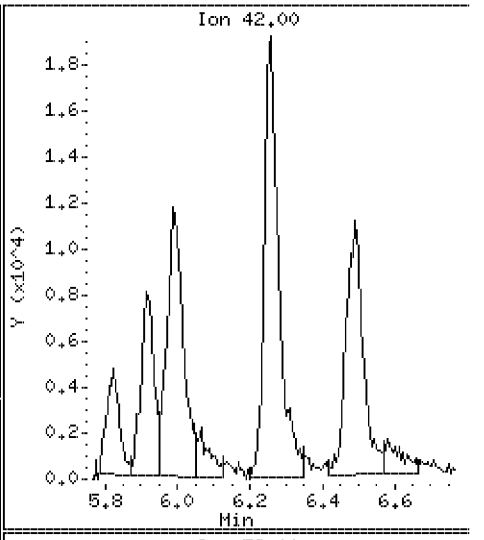
Column phase: DB-624

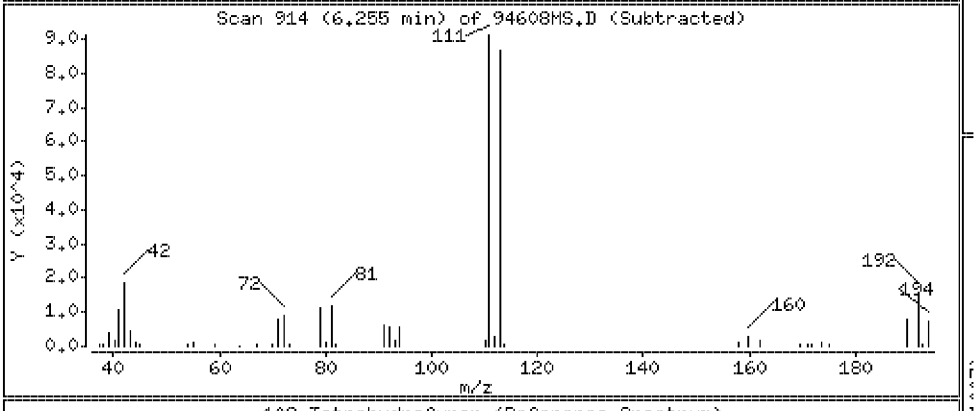
Column diameter: 0.18

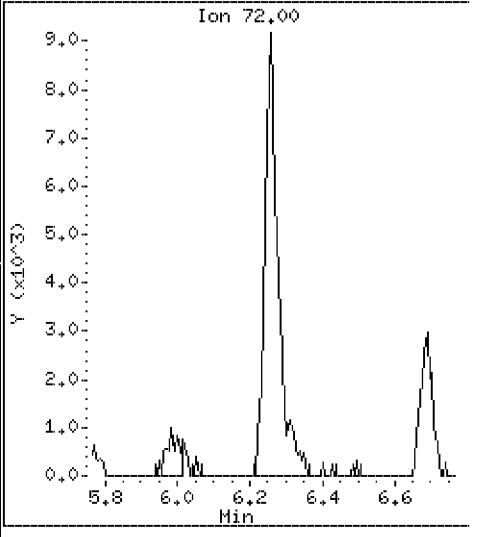
108 Tetrahydrofuran

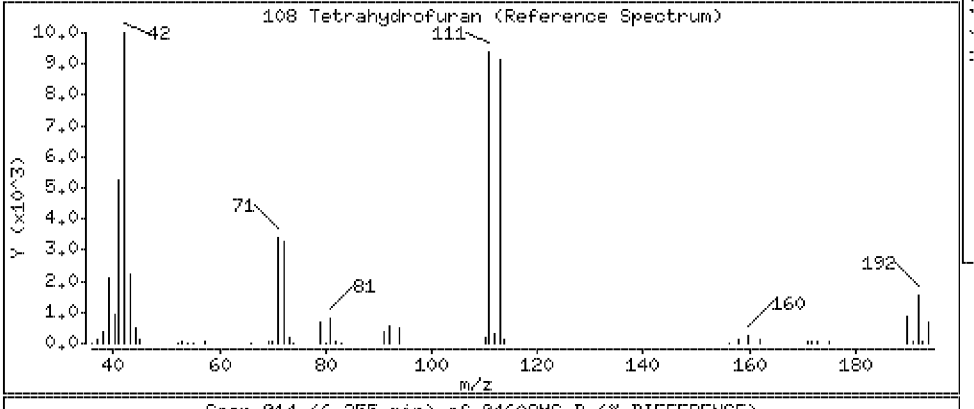
Concentration: 32.2 ug/l

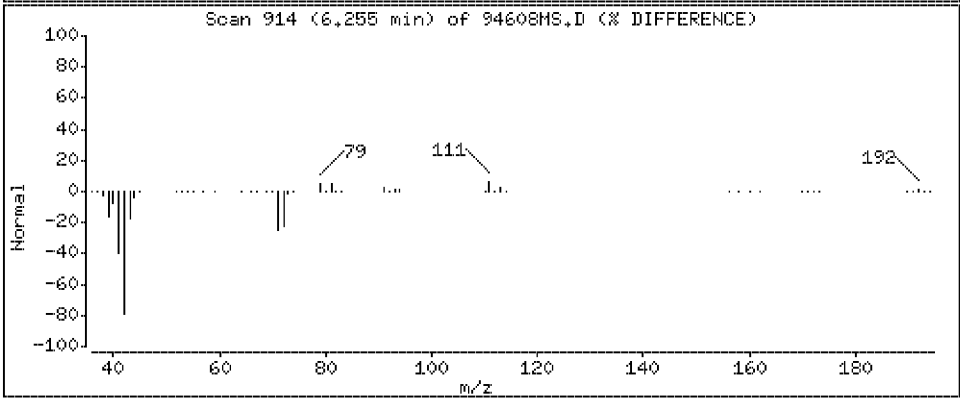












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D
Lab Smp Id: 250894609 Client Smp ID: SLOP-6317-5-25SD
Inj Date : 04-APR-2008 07:52
Operator : Inst ID: vms03.i
Smp Info : 250894609;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Meth Date : 04-Apr-2008 12:52 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 6 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOLS11

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				325741	42.6504	42.6
M 2 Xylenes (Total)	100				974071	64.6600	64.7
M 3 Trihalomethanes (Total)	100				595502	87.9733	88.0
4 Dichlorodifluoromethane	85	1.385	1.389	(0.190)	126576	22.1799	22.2
5 Chloromethane	50	1.588	1.573	(0.218)	140259	21.0486	21.0
6 Vinyl Chloride	62	1.682	1.676	(0.231)	97088	21.2093	21.2
7 Bromomethane	96	2.091	2.075	(0.288)	74381	25.4342	25.4(Q)
8 Chloroethane	64	2.181	2.160	(0.300)	85990	22.6956	22.7
9 Trichlorofluoromethane	101	2.405	2.403	(0.331)	179231	22.0547	22.0
113 Bromoethane	108	3.388	3.420	(0.466)	94485	22.4011	22.4
10 Acrolein	56	2.869	2.873	(0.395)	51508	55.8861	55.9
11 1,1,2 Trichlorotrifluoromethan	101	2.903	2.897	(0.399)	97172	20.3197	20.3
12 Acetone	43	2.947	2.945	(0.405)	97295	63.5838	63.6
13 1,1-Dichloroethene	61	3.103	3.097	(0.427)	200270	21.8860	21.9
109 t-Butyl-Alcohol	59	3.222	3.230	(0.443)	111845	253.837	254(Q)
14 Acetonitrile	41	3.288	3.291	(0.452)	137648	187.979	188
15 Iodomethane	142	3.516	3.496	(0.483)	152072	18.3224	18.3
16 Methyl Acetate	43	3.568	3.571	(0.491)	102041	18.1716	18.2
17 Allyl Chloride	41	3.586	3.582	(0.493)	180908	19.7867	19.8
18 Carbon Disulfide	76	3.730	3.724	(0.513)	309432	20.1857	20.2
19 Methylene Chloride	49	3.766	3.778	(0.518)	175888	18.1429	18.1
20 Acrylonitrile	53	3.976	3.981	(0.547)	138160	58.7990	58.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	21 Methyl-tert-butyl ether	73	4.022	4.020	(0.553)	298868	19.4563	19.4
	22 trans 1,2-Dichloroethene	61	4.210	4.208	(0.579)	189347	20.9156	20.9
	23 1,1-Dichloroethane	63	4.882	4.880	(0.671)	225184	20.6615	20.7
	24 Vinyl Acetate	43	4.941	4.944	(0.679)	180474	20.5794	20.6
	25 Chloroprene	53	5.014	5.012	(0.689)	191133	21.3958	21.4
	26 2-Butanone	43	5.555	5.564	(0.764)	140053	57.5918	57.6
	27 Propionitrile	54	5.656	5.662	(0.778)	164954	194.057	194
	114 tert-Butyl ethyl ether	59	5.387	5.389	(0.741)	307532	15.7662	15.8
	28 2,2-Dichloropropane	77	5.701	5.699	(0.784)	100374	24.2773	24.3
	29 cis-1,2-Dichloroethene	96	5.767	5.765	(0.793)	136394	21.7348	21.7
	30 Methyacrylonitrile	67	5.918	5.922	(0.814)	468615	211.751	212
	31 Isobutyl Alcohol	43	5.987	5.995	(0.823)	69418	316.662	317(Q)
	32 Chloroform	83	5.981	5.979	(0.822)	238025	22.1478	22.1
	33 Bromochloromethane	49	6.185	6.184	(0.850)	111061	19.0456	19.0
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.266	6.264	(0.862)	277147	52.5093	52.5
	35 1,1,1-Trichloroethane	97	6.490	6.487	(0.892)	163528	23.2749	23.3
	36 Cyclohexane	56	6.488	6.489	(0.892)	204453	19.6556	19.6
	37 1,1-Dichloropropene	75	6.688	6.685	(0.919)	171050	21.7700	21.8
	38 Carbon tetrachloride	117	6.794	6.789	(0.934)	149321	23.0566	23.0
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.893	6.891	(0.948)	64466	52.3180	52.3(Q)
	40 1,2-Dichloroethane	62	7.005	7.006	(0.963)	177540	22.0024	22.0
	41 Benzene	78	7.005	7.001	(0.963)	505959	20.8568	20.8
	115 tert-Amyl-methyl ether	73	6.869	6.869	(0.944)	256481	17.0463	17.0
*	42 FLUOROBENZENE (IS)	96	7.274	7.273	(1.000)	1040301	50.0000	
	43 Trichloroethylene	130	7.725	7.722	(1.062)	120285	21.9801	22.0
	44 Methyl Cyclohexane	55	7.782	7.781	(1.070)	160804	20.6318	20.6
	45 1,2-Dichloropropane	63	7.928	7.927	(1.090)	135425	19.9723	20.0
	46 Methyl Methacrylate	69	8.034	8.036	(1.105)	75521	20.6496	20.6
	47 Bromodichloromethane	83	8.183	8.180	(1.125)	170788	21.8540	21.8
	48 1,4 Dioxane	88	8.232	8.238	(1.132)	19718	382.858	383(Q)
	49 Dibromomethane	93	8.234	8.232	(1.132)	74031	21.4666	21.5
	50 4-Methyl-2-Pentanone	43	8.581	8.583	(0.660)	316291	55.5978	55.6
	51 2-Hexanone	43	9.494	9.499	(0.897)	232404	58.7080	58.7
	52 cis 1,3-Dichloropropene	75	8.782	8.781	(1.207)	176600	22.2952	22.3
$	53 TOLUENE d8 (surr)	98	9.026	9.025	(1.241)	1075533	51.4666	51.5
	54 Toluene	92	9.108	9.107	(1.252)	320384	21.5015	21.5
	55 trans 1,3-Dichloropropene	75	9.314	9.313	(1.280)	154955	23.2278	23.2
	56 Ethyl Methacrylate	69	9.319	9.321	(1.281)	157809	22.8499	22.8
	57 1,1,2-Trichloroethane	97	9.469	9.467	(1.302)	107833	21.3744	21.4
	58 1,3-Dichloropropane	76	9.730	9.729	(0.920)	192235	20.6491	20.6
	59 Tetrachloroethylene	164	9.781	9.780	(0.924)	90883	21.7759	21.8
	60 Dibromochloromethane	129	9.989	9.987	(0.944)	119271	22.0975	22.1
	61 1,2-Dibromoethane	107	10.193	10.192	(0.963)	110436	21.2924	21.3
	62 1-Chlorohexane	91	10.371	10.373	(0.980)	162721	21.5208	21.5
*	63 CHLOROBENZENE d5 (IS)	117	10.581	10.580	(1.000)	763475	50.0000	
	64 Chlorobenzene	112	10.619	10.620	(1.004)	336584	20.6730	20.7
	65 1,1,1,2-Tetrachloroethane	131	10.668	10.667	(1.008)	115274	22.8057	22.8(q)
	66 Ethylbenzene	106	10.677	10.672	(1.009)	190126	21.3390	21.3
	67 p,m-Xylene	106	10.754	10.753	(1.016)	478496	43.1009	43.1
	68 o-Xylene	91	11.191	11.190	(1.058)	495575	21.5591	21.6
	69 Styrene	104	11.231	11.230	(1.061)	414257	21.3620	21.4
	70 Bromoform	173	11.566	11.569	(1.093)	67418	21.8740	21.9
	71 1-Methylethylbenzene	105	11.557	11.555	(0.889)	595546	20.8957	20.9
	72 1,4-Dichloro-2-Butene	53	11.610	11.609	(0.893)	28079	22.5374	22.5(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	73 1,1,2,2-Tetrachloroethane	83	11.733	11.732	(0.903)	143571	19.4854	19.5
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.808	11.808	(0.908)	444782	47.5966	47.6
	75 1,2,3- trichloropropane	110	11.881	11.879	(0.914)	46924	21.3721	21.4
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	710029	20.1546	20.2
	77 Bromobenzene	77	11.999	11.998	(0.923)	257773	19.0570	19.0
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	537701	21.2417	21.2
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	523111	20.3960	20.4
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	505243	20.6270	20.6
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	482469	21.7341	21.7
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	563086	21.0330	21.0
	83 sec-Butylbenzene	105	12.691	12.692	(0.976)	617670	20.9451	20.9
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	528883	21.2229	21.2
	85 1,3-Dichlorobenzene	146	12.923	12.923	(0.994)	294676	20.8383	20.8
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	436931	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	295963	20.4027	20.4
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	205478	24.4184	24.4
	89 n-Butylbenzene	91	13.242	13.242	(1.019)	477168	20.9386	20.9
	90 1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	283480	20.8120	20.8
	91 1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	24337	20.8200	20.8
	92 1,2,4-Trichlorobenzene	180	14.860	14.853	(1.143)	168019	20.9371	20.9
	93 Hexachlorobutadiene	223	14.959	14.950	(1.151)	42230	22.4703	22.5
	94 Naphthalene	128	15.041	15.032	(1.157)	404481	21.2155	21.2
	95 1,2,3-trichlorobenzene	180	15.206	15.196	(1.170)	152554	21.0155	21.0
	103 Isopropyl Ether	45	4.774	4.771	(0.656)	423623	19.4882	19.5
	104 Ethyl acetate	43	5.818	5.824	(0.800)	186305	38.9593	39.0(q)
	105 Cyclohexanone	55	11.617	11.616	(1.098)	37183	79.1418	79.1
	106 Ethyl ether	59	2.715	2.719	(0.373)	98780	20.5087	20.5(Q)
	107 2-Nitropropane	43	8.282	8.279	(1.139)	59414	47.6386	47.6
	108 Tetrahydrofuran	42	6.260	6.264	(0.861)	58111	34.5126	34.5

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94609SD.D
Lab Smp Id: 250894609
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOP-6317-5-25S
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1040301	-10.79
63 CHLOROBENZENE d5	822247	411124	1644494	763475	-7.15
86 1,4-DICHLOROBENZE	457500	228750	915000	436931	-4.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.04
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D
Date : 04-APR-2008 07:52
Client ID: SL[redacted]
Sample Info: 2508946609;2508946;1;
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18

\\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Y (x10^7)

0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5

Min

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Ethyl ether
-Acrolein+
-1,1-Dichloroethene
-Bromoethane+
-Iodomethane+
-Carbon Disulfide+
-Acrylonitrile+
-trans 1,2-Dichloroethene
-Isopropyl Ether
-1,1-Dichloroethane+
-Chloroprene
-2-Butanone+
-Propionitrile+
-Methyacrylonitrile+
-Bromochloromethane+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene
-Carbon tetrachloride+
-1,2-Dichloroethane+
-FLUOROBENZENE (IS)
-Trichloroethylene+
-1,2-Dichloropropane
-Methyl Methacrylate
-Bromodichloromethane+
-4-Methyl-2-Pentanone
-cis 1,3-Dichloropropene
-TOLUENE d8 (surr)+
-trans 1,3-Dichloropropene+
-2-Hexanone+
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-1-Chlorohexane
-CHLOROBENZENE d5 (IS)+
-Xylene+
-Bromoform+
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene+
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene+
-sec-Butylbenzene+
-1,3-Dichlorobenzene+
-Benzyl Chloride+
-1,2-Dichlorobenzene
-1,2-dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-trichlorobenzene

Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

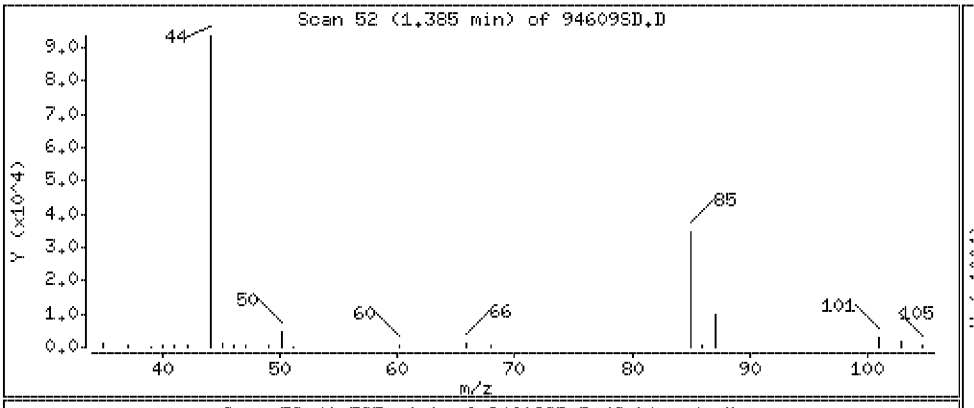
Operator:

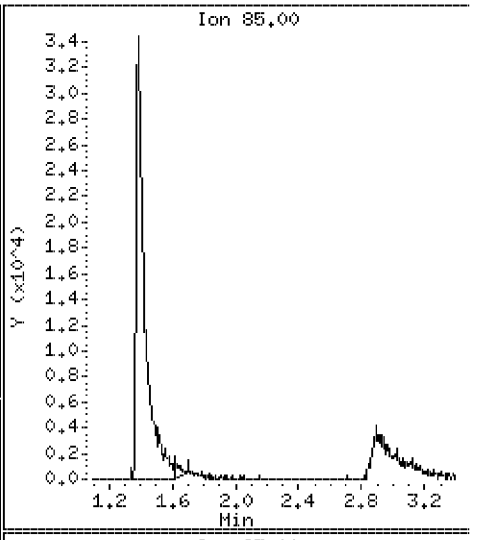
Column phase: DB-624

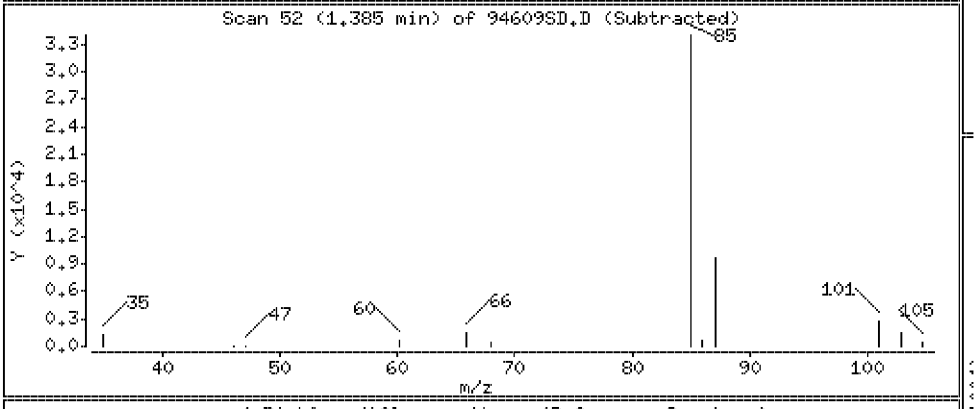
Column diameter: 0.18

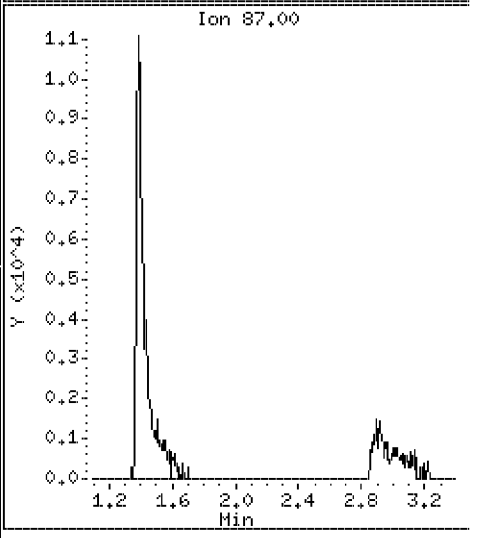
4 Dichlorodifluoromethane

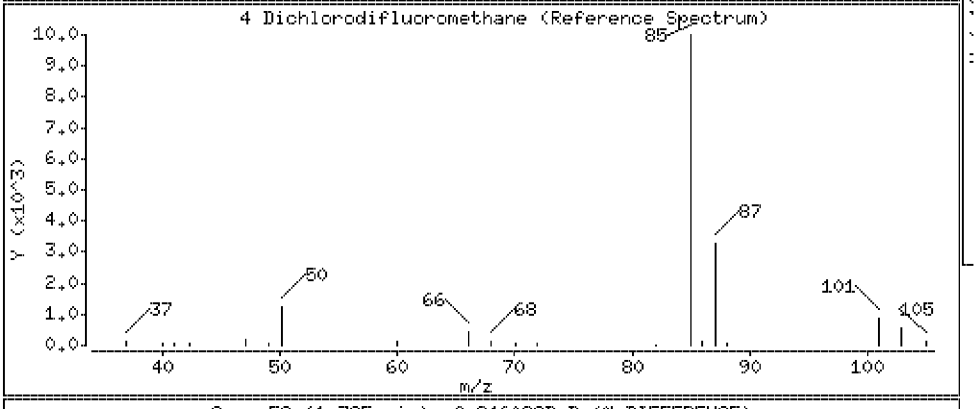
Concentration: 22.2 ug/l

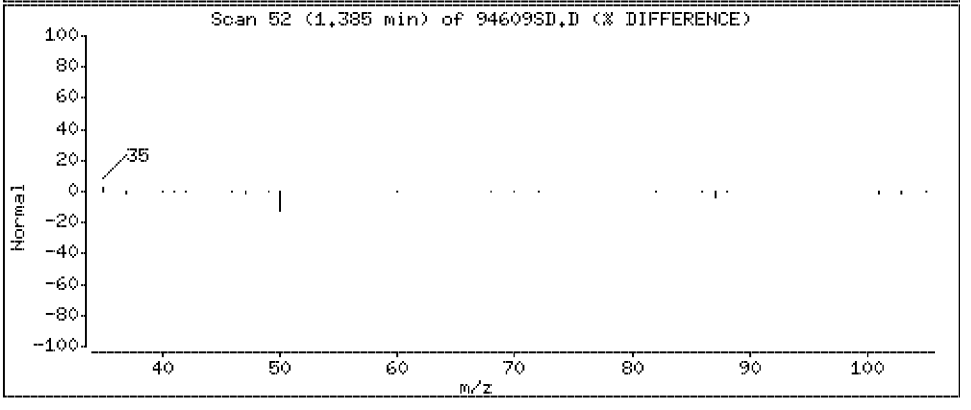












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

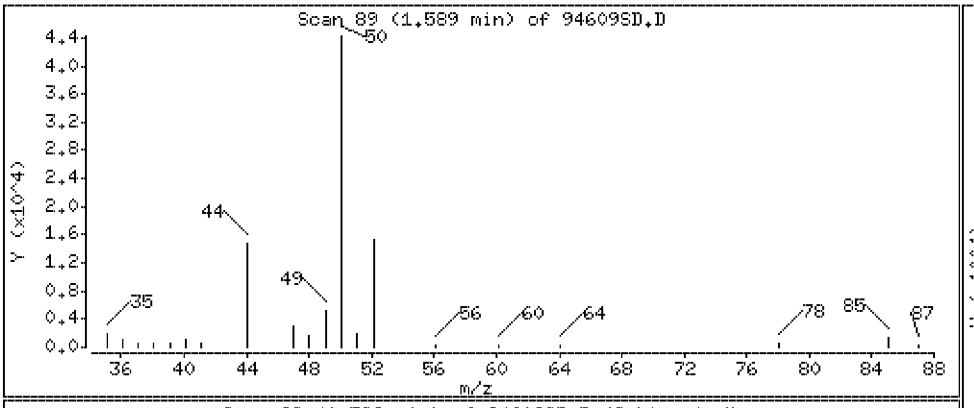
Operator:

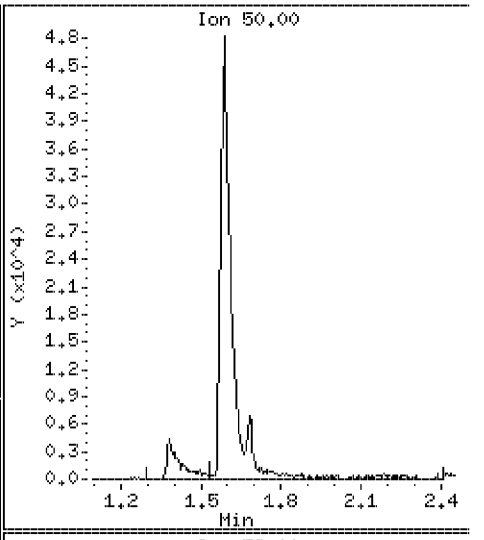
Column phase: DB-624

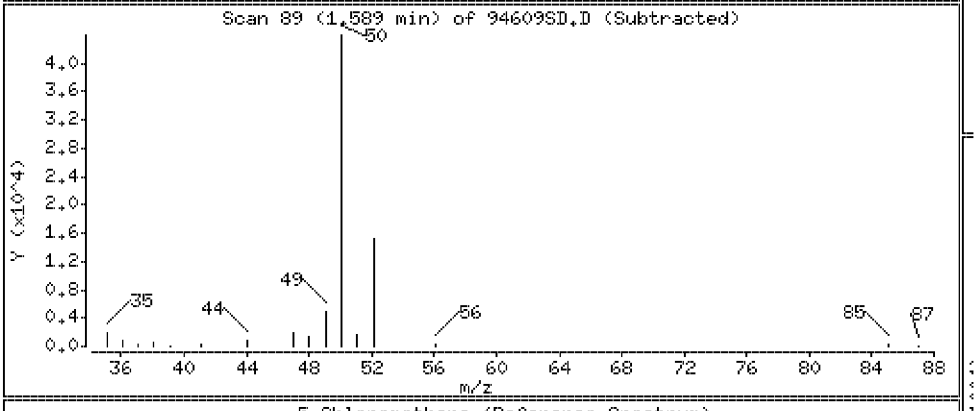
Column diameter: 0.18

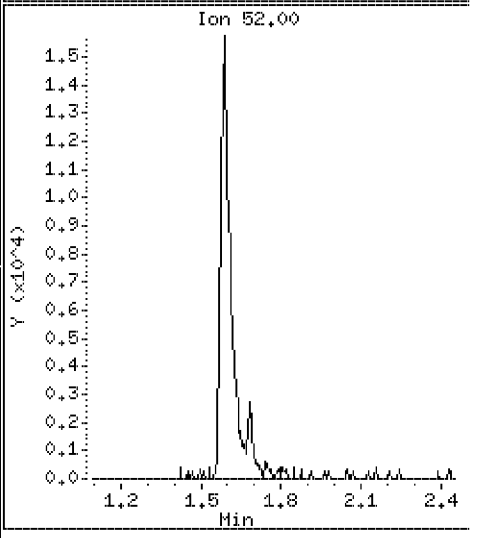
5 Chloromethane

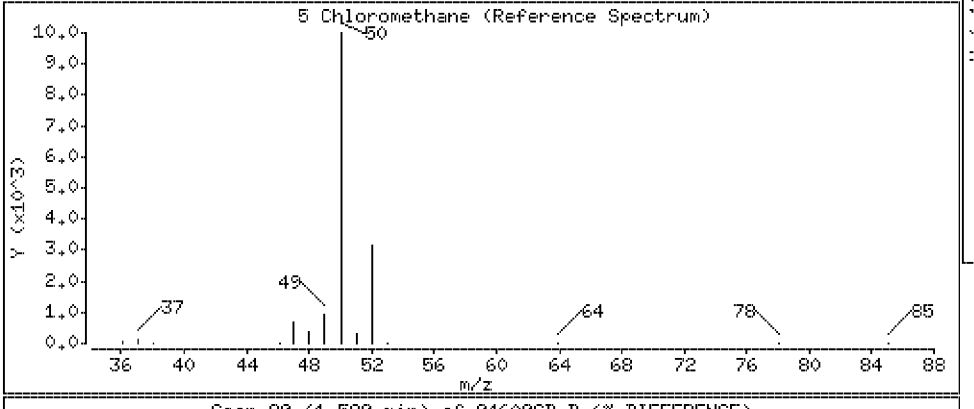
Concentration: 21.0 ug/l

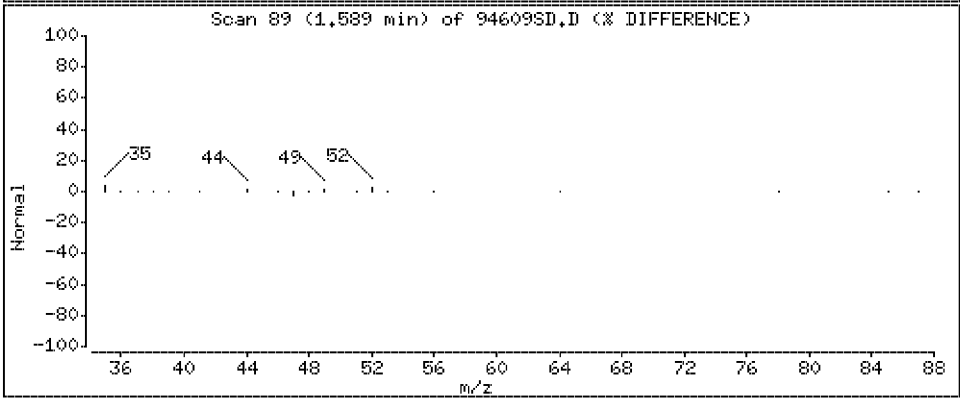












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

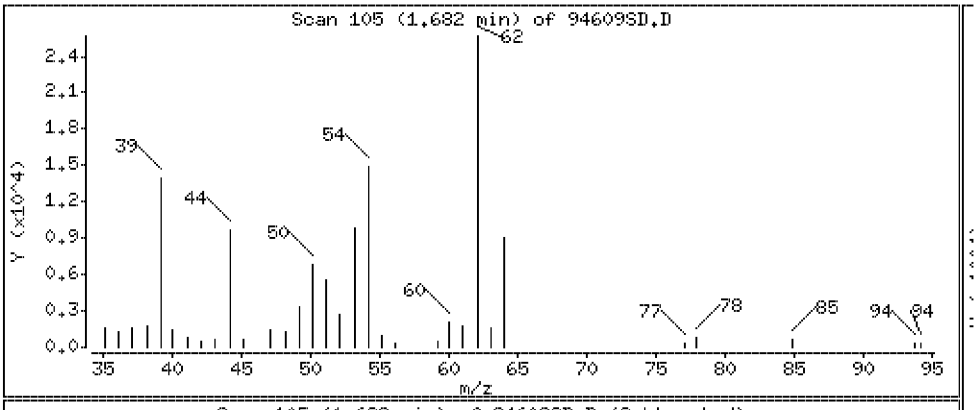
Operator:

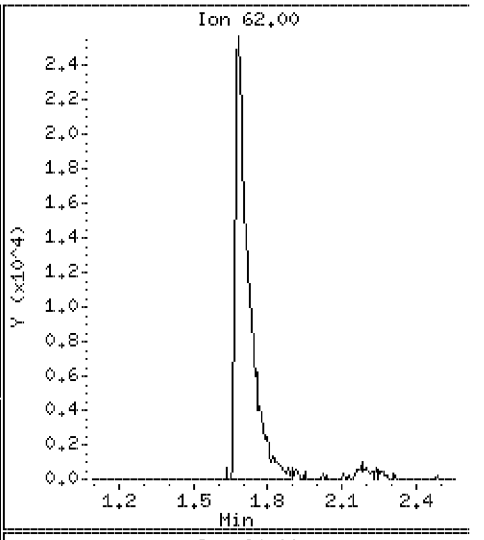
Column phase: DB-624

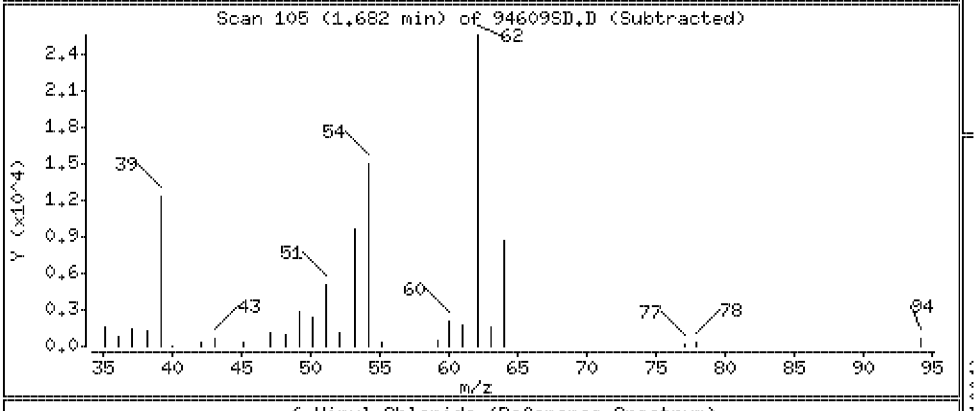
Column diameter: 0.18

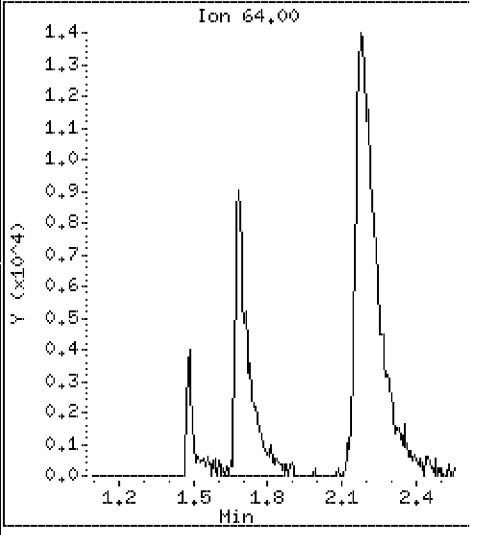
6 Vinyl Chloride

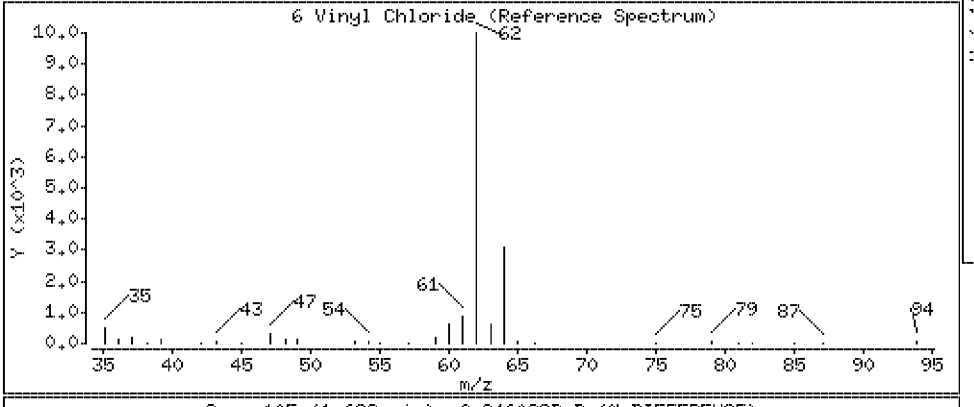
Concentration: 21.2 ug/l

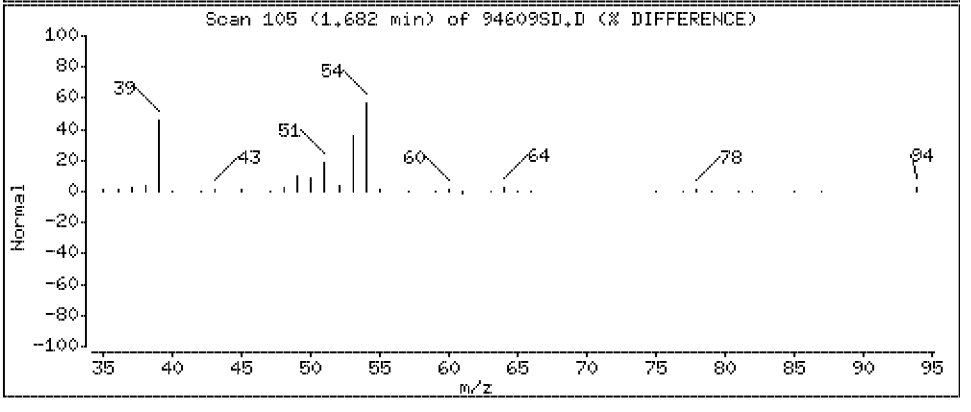












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

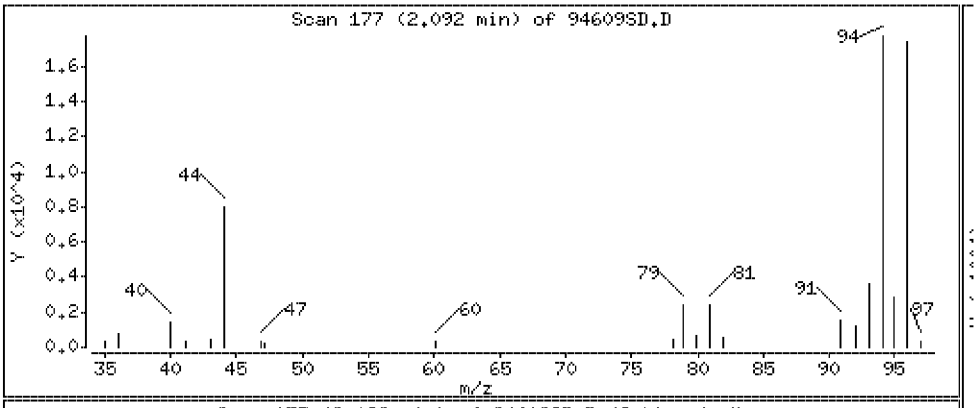
Operator:

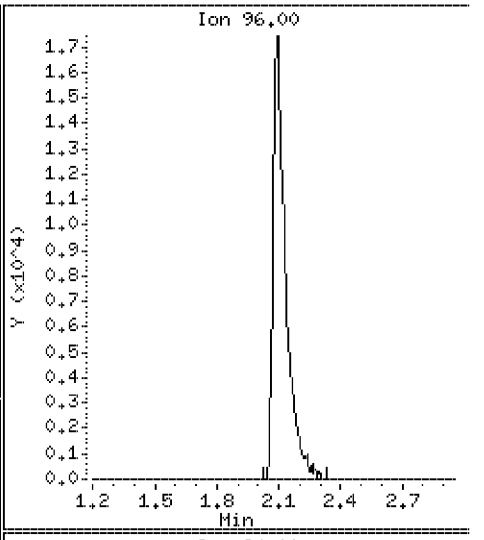
Column phase: DB-624

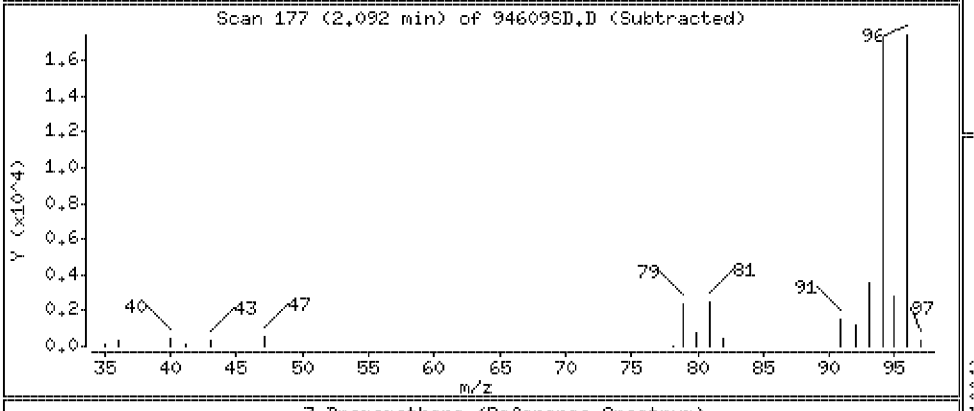
Column diameter: 0.18

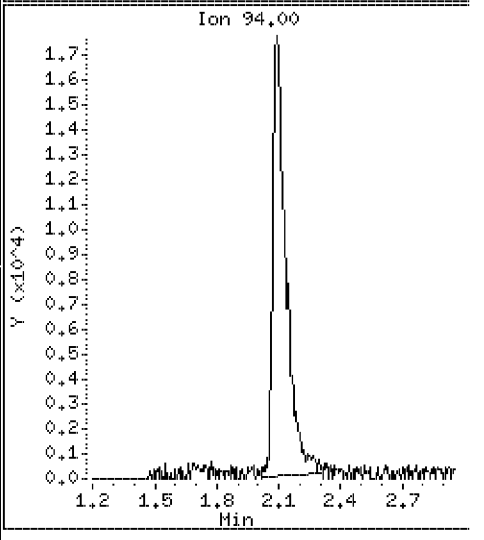
7 Bromomethane

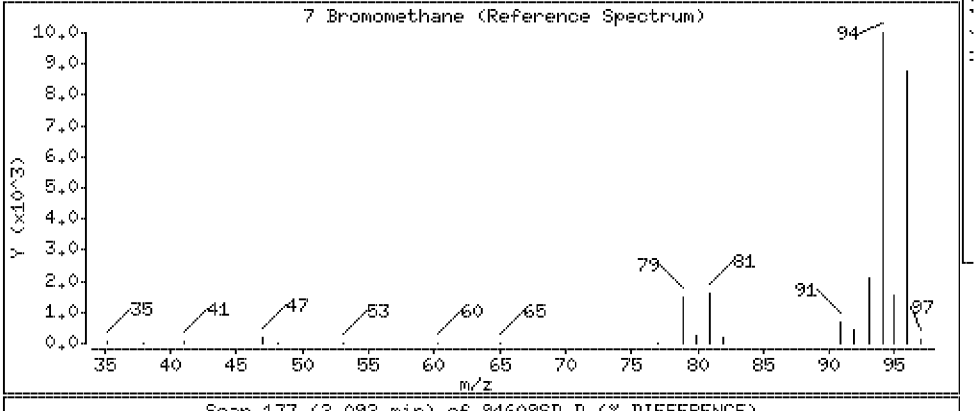
Concentration: 25.4 ug/l

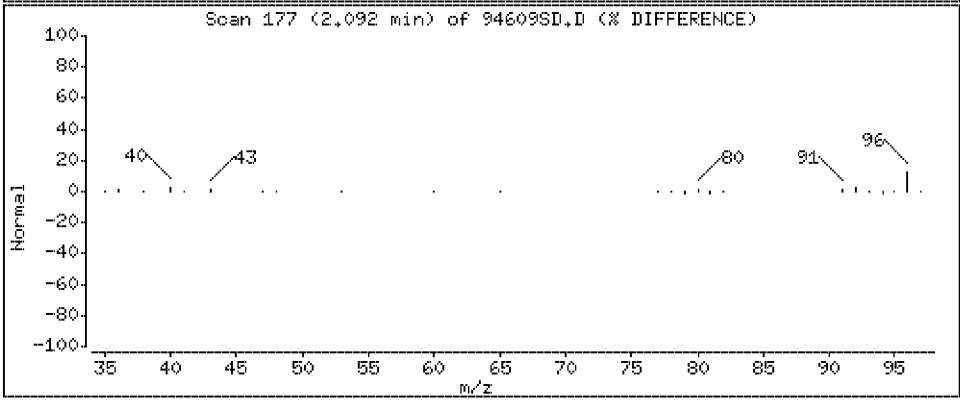












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

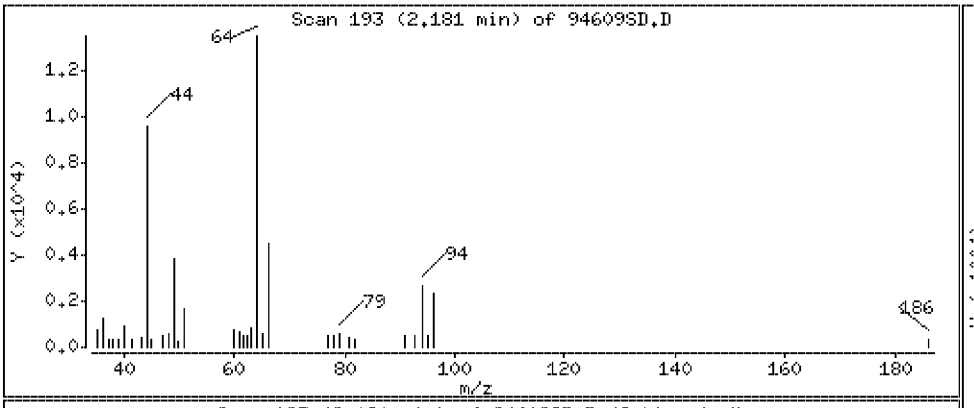
Operator:

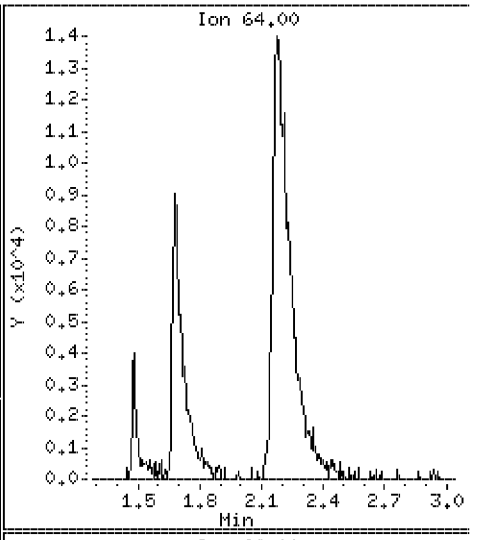
Column phase: DB-624

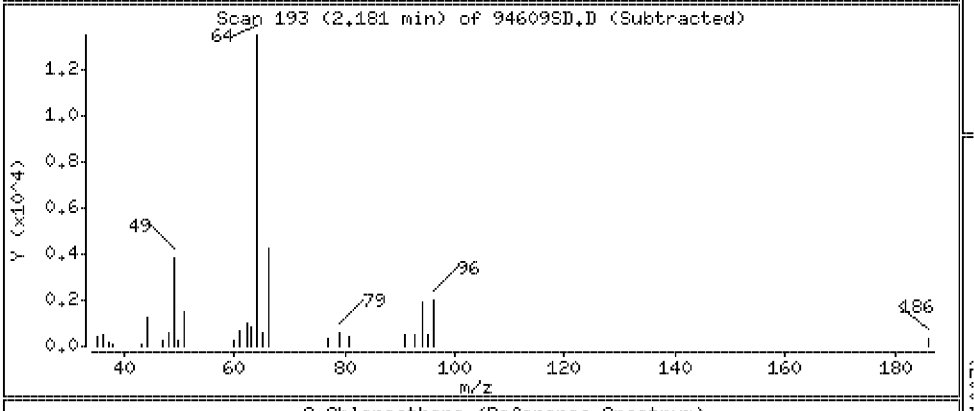
Column diameter: 0.18

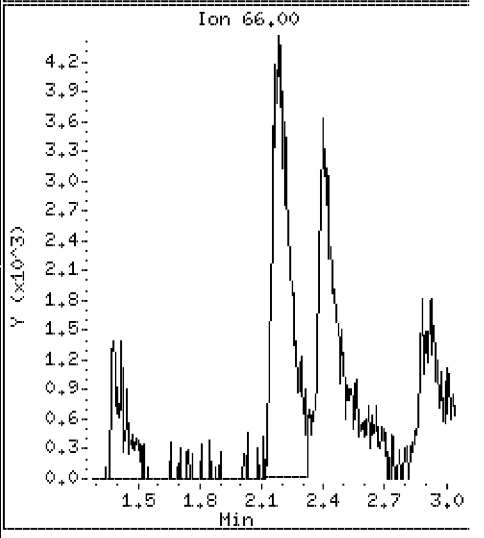
8 Chloroethane

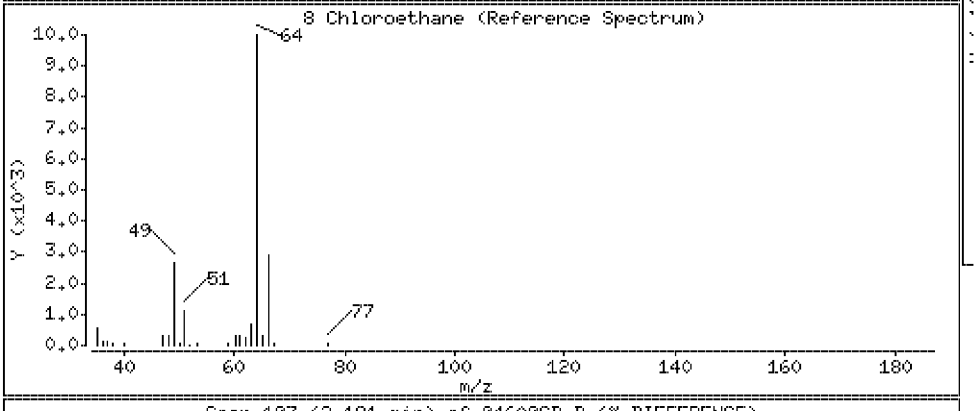
Concentration: 22.7 ug/l

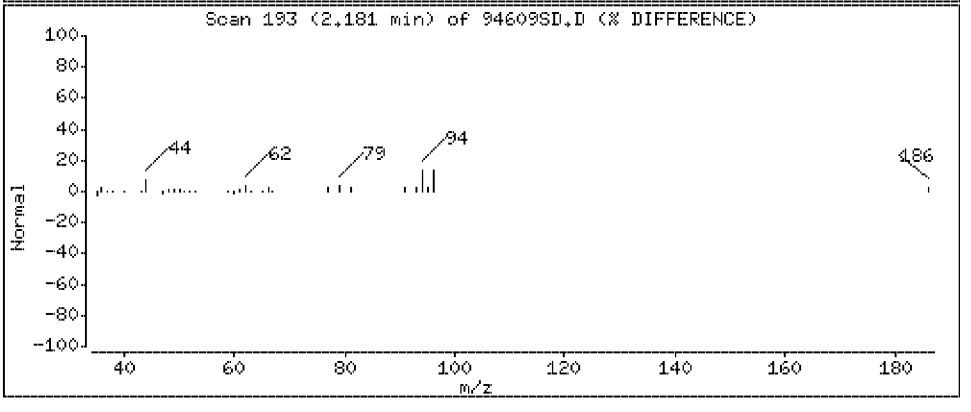












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Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

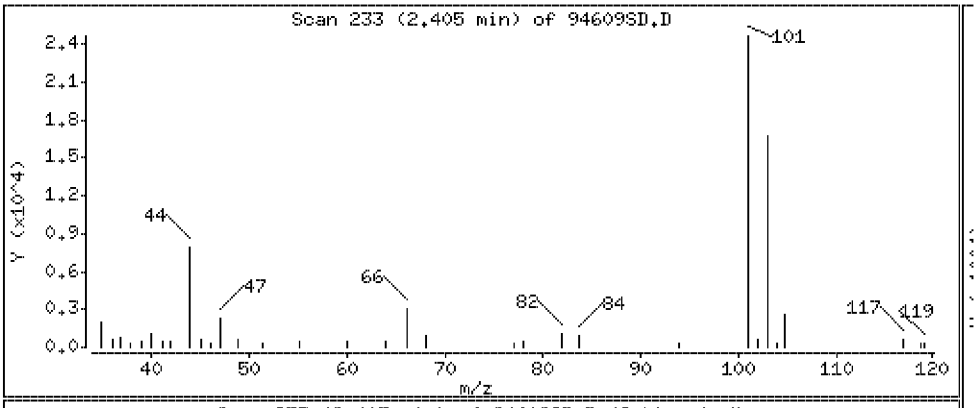
Operator:

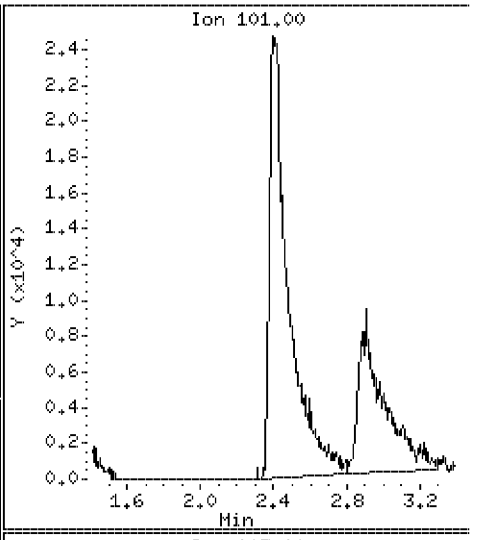
Column phase: DB-624

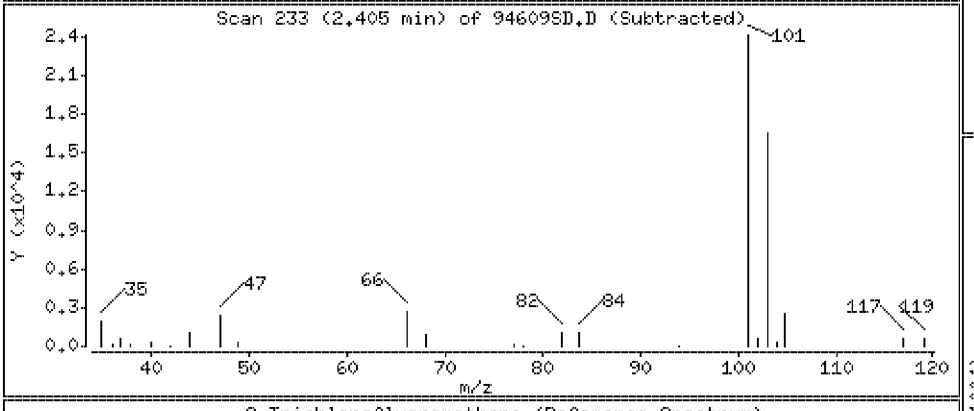
Column diameter: 0.18

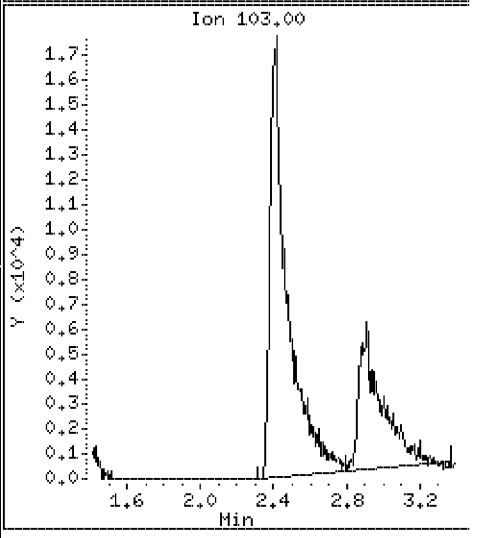
9 Trichlorofluoromethane

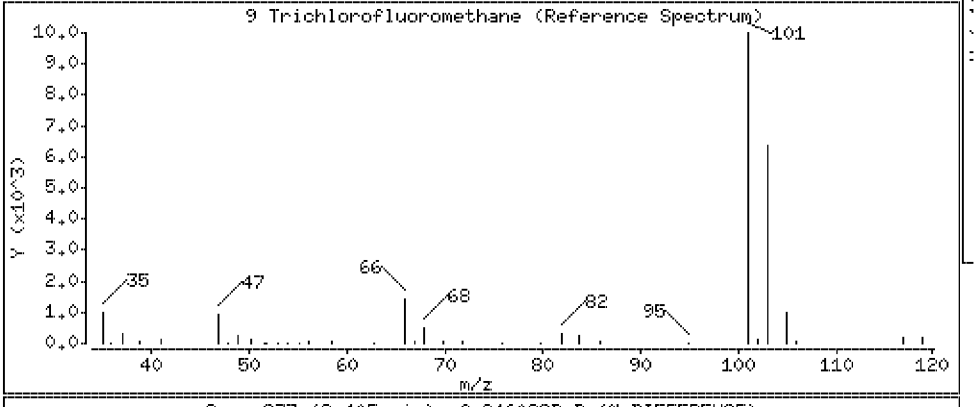
Concentration: 22.0 ug/l

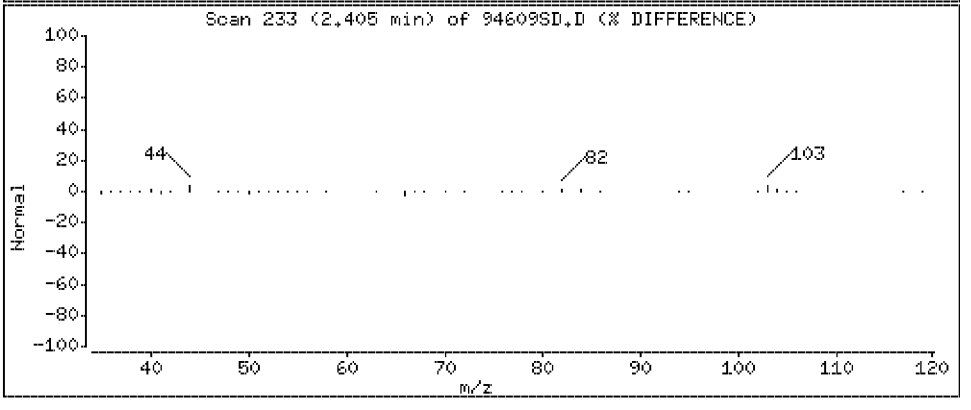












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

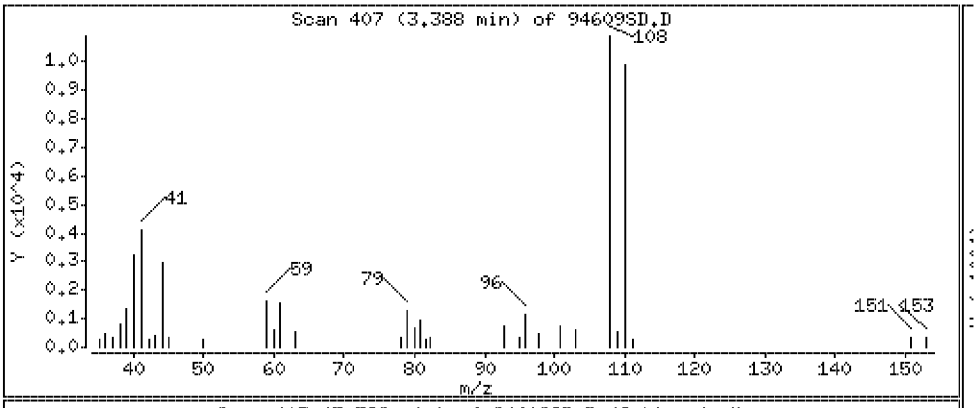
Operator:

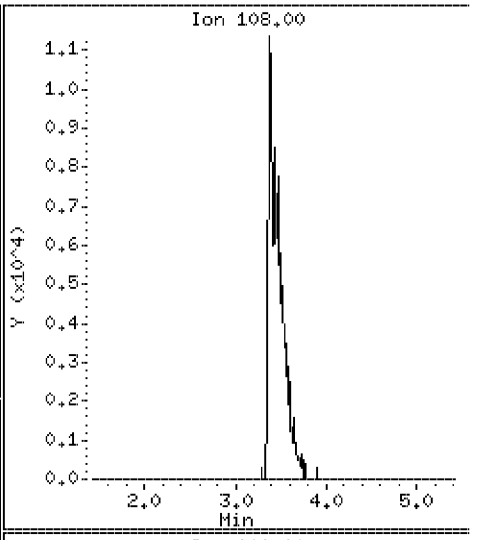
Column phase: DB-624

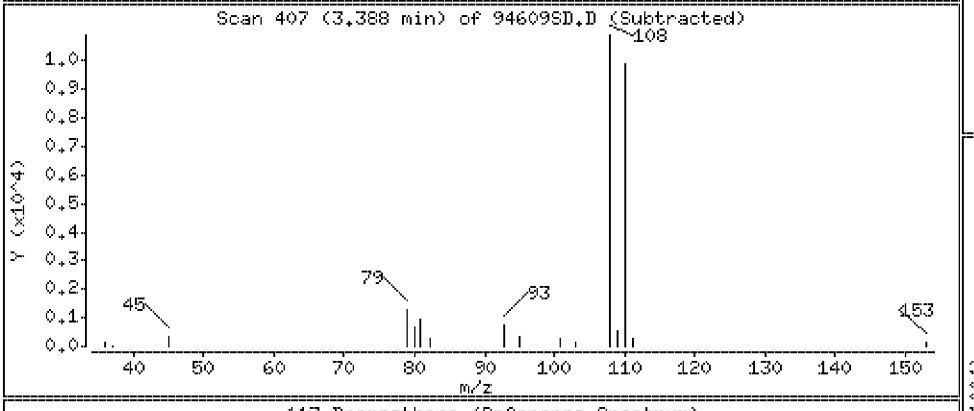
Column diameter: 0.18

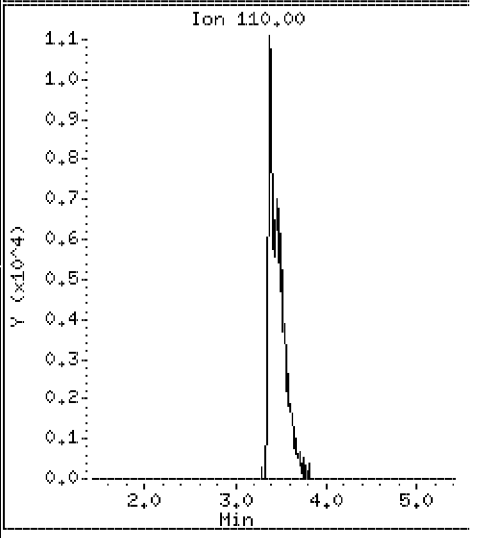
113 Bromoethane

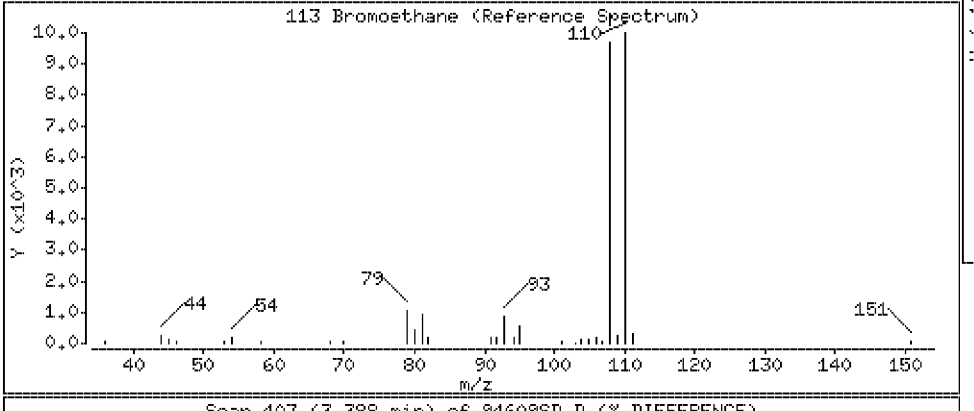
Concentration: 22.4 ug/l

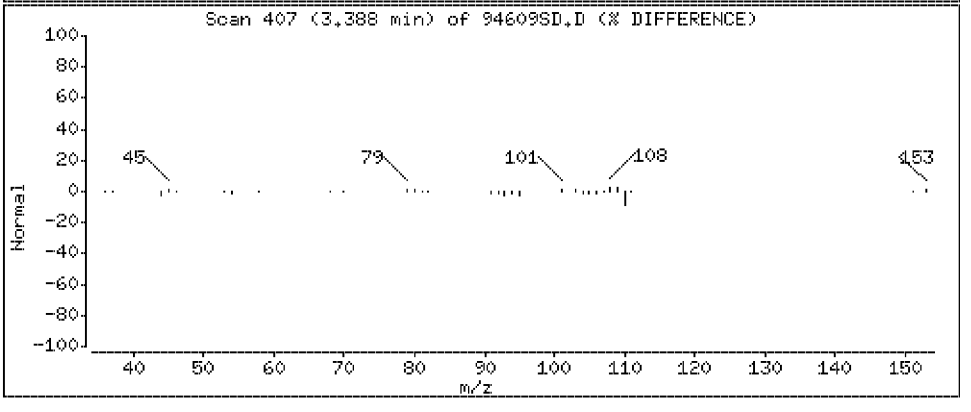












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

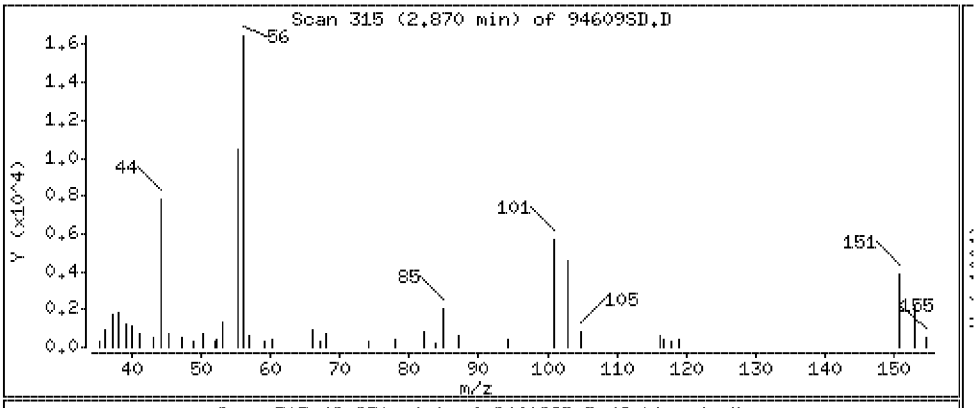
Operator:

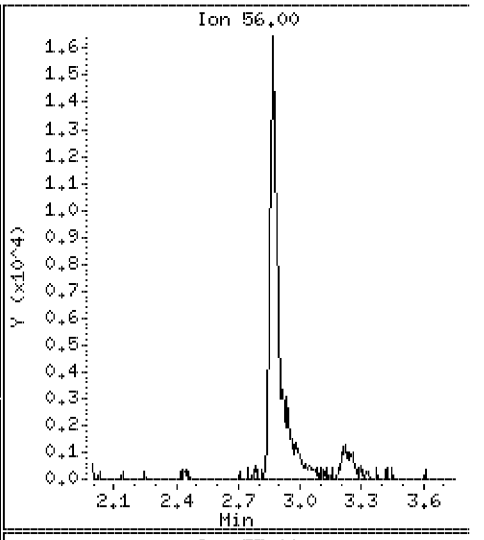
Column phase: DB-624

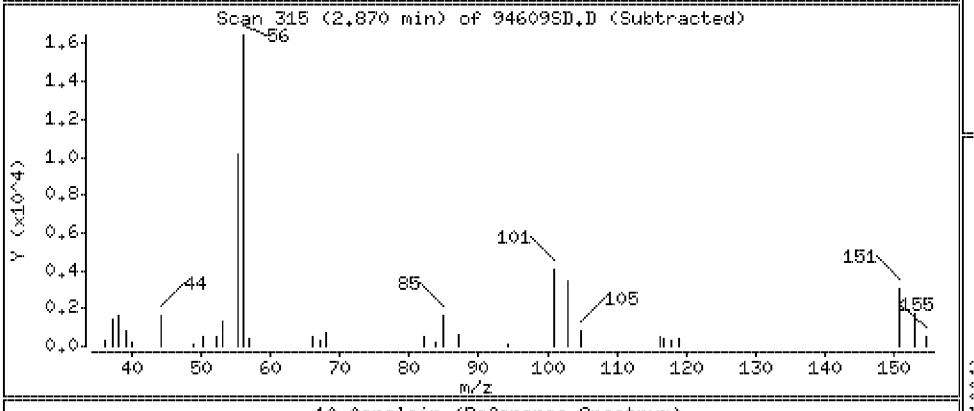
Column diameter: 0.18

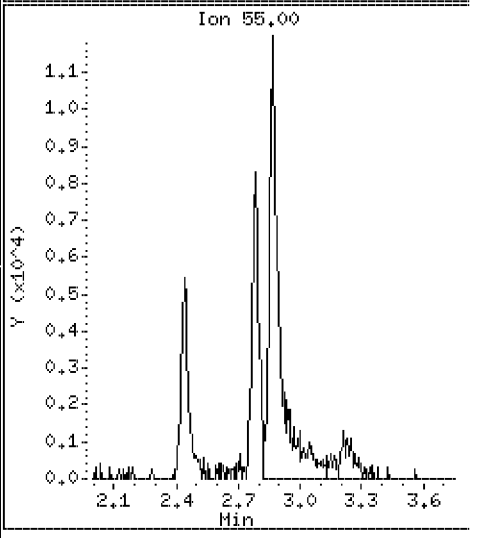
10 Acrolein

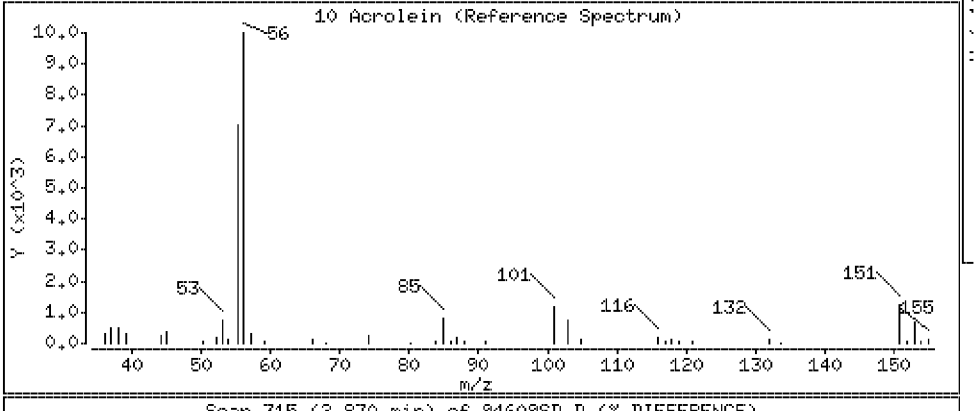
Concentration: 55.9 ug/l

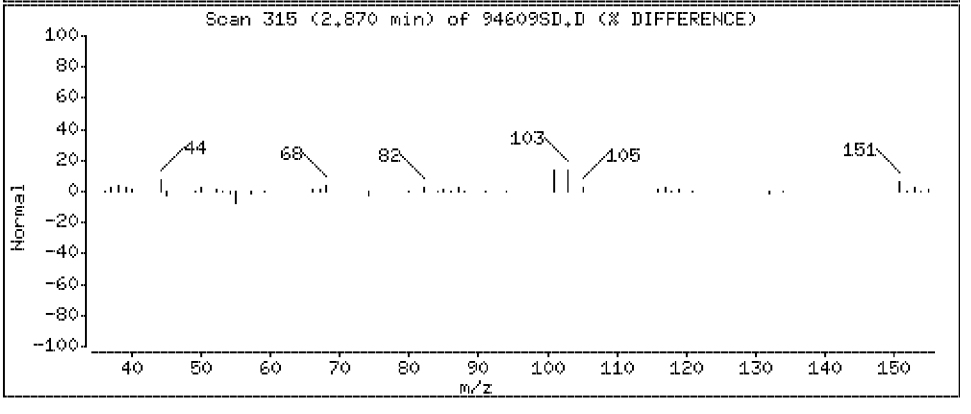












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

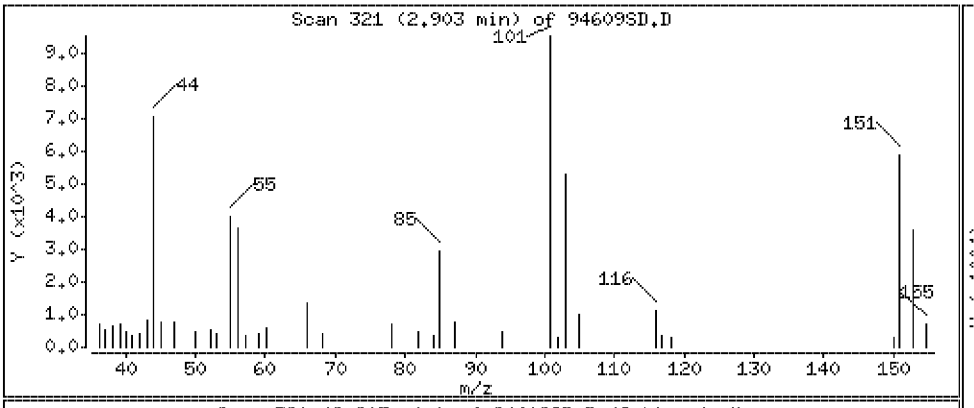
Operator:

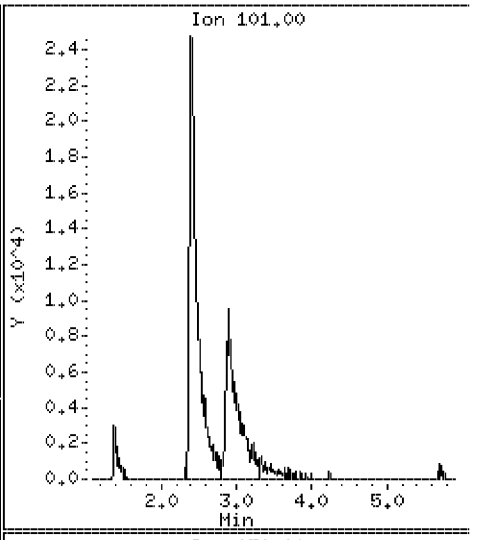
Column phase: DB-624

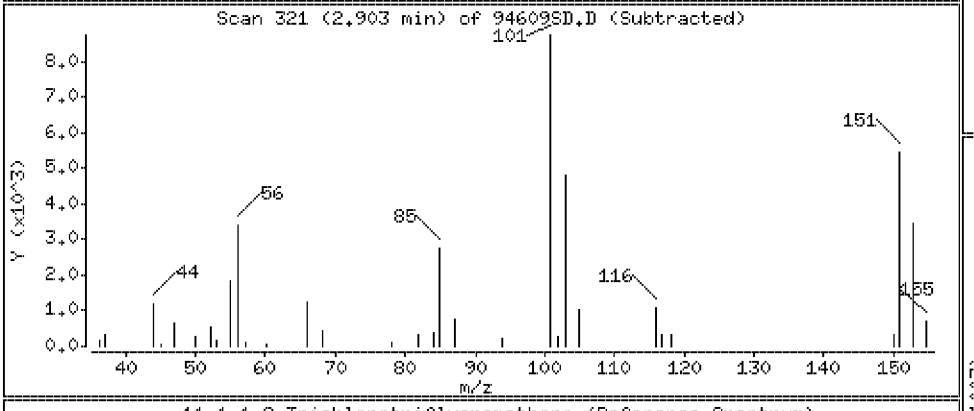
Column diameter: 0.18

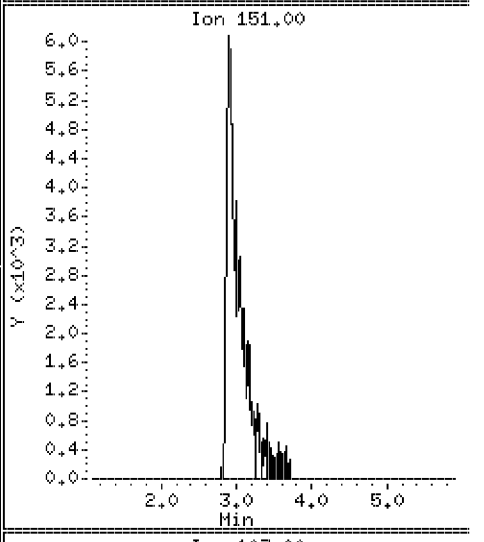
11 1,1,2 Trichlorotrifluoromethane

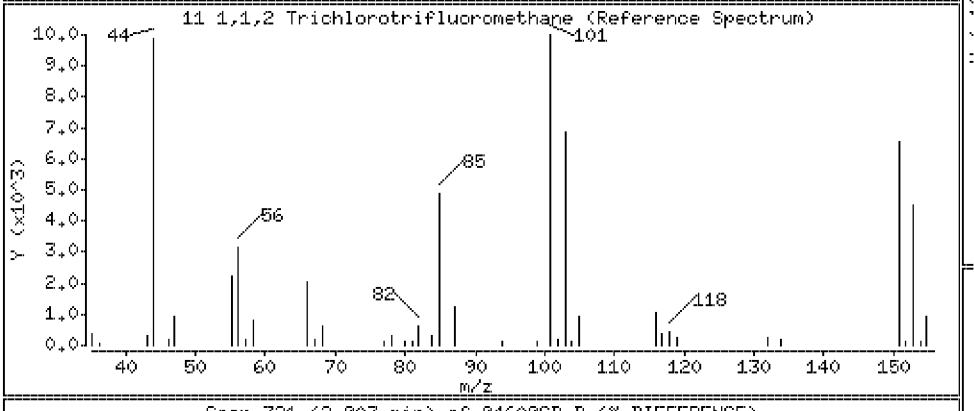
Concentration: 20.3 ug/l

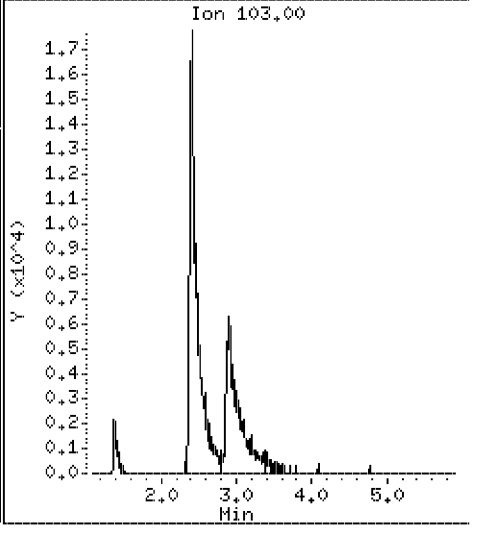


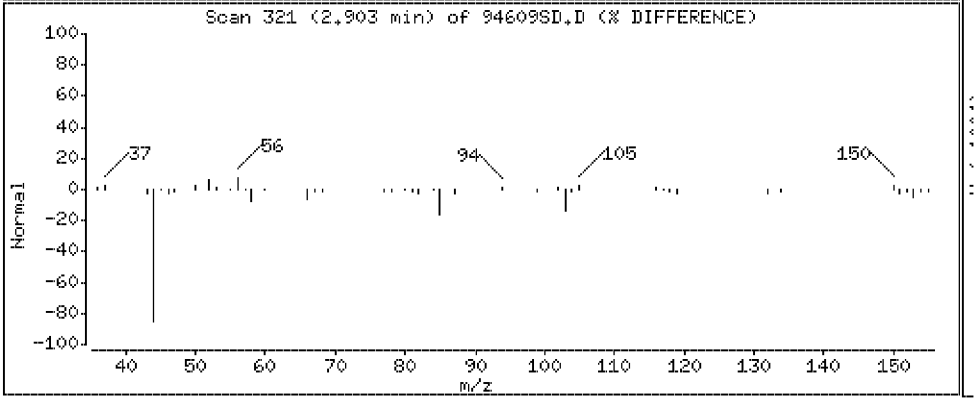












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

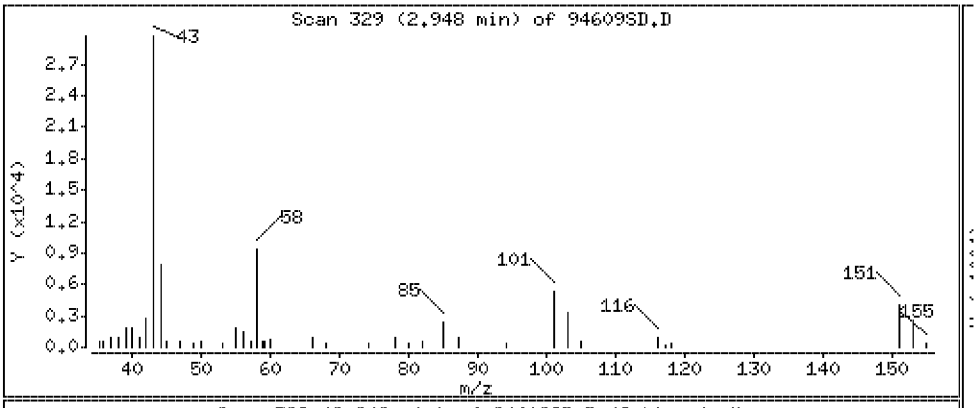
Operator:

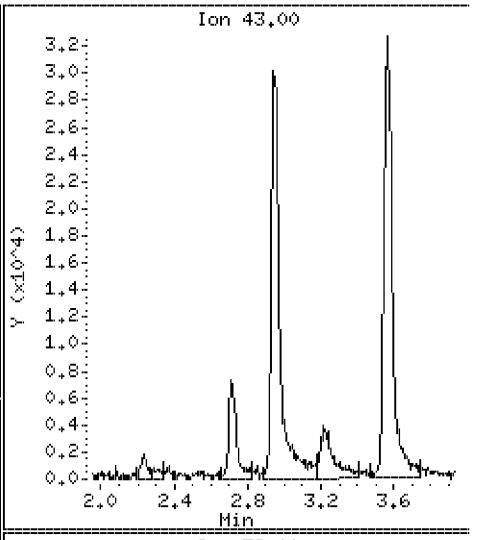
Column phase: DB-624

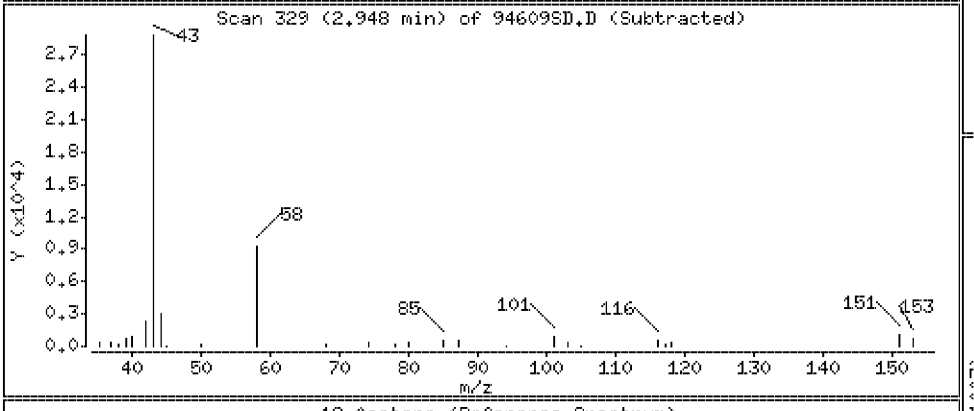
Column diameter: 0.18

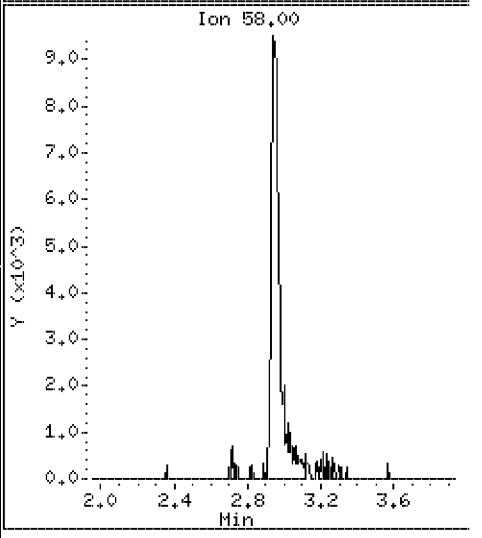
12 Acetone

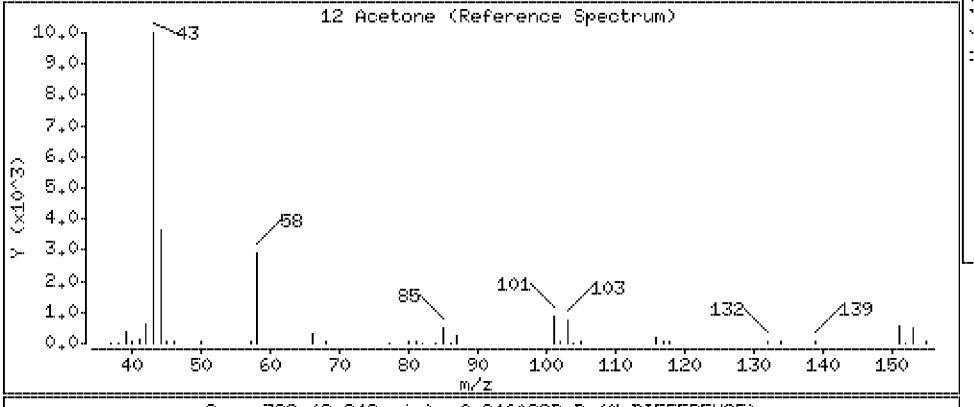
Concentration: 63.6 ug/l

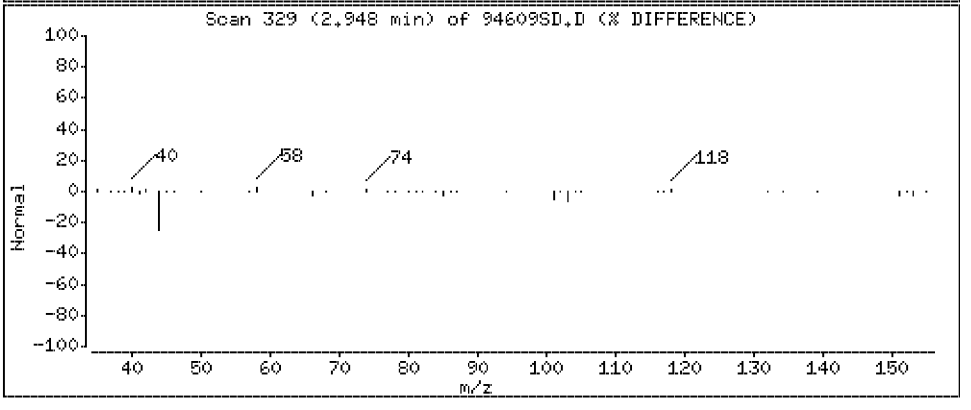












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

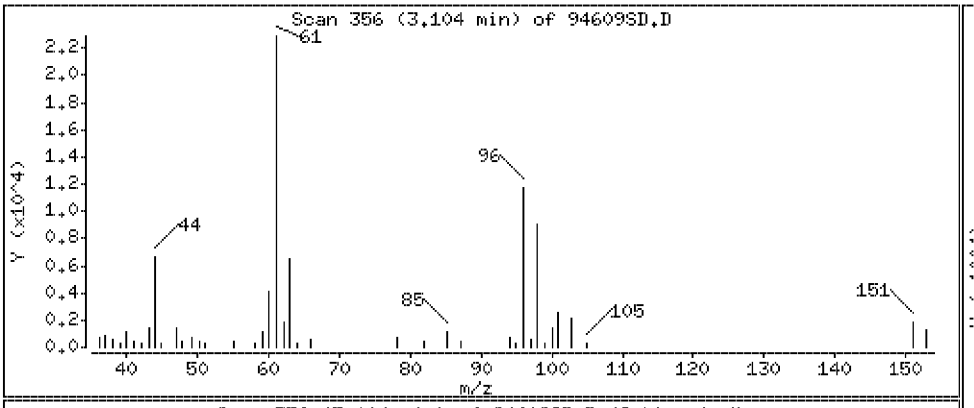
Operator:

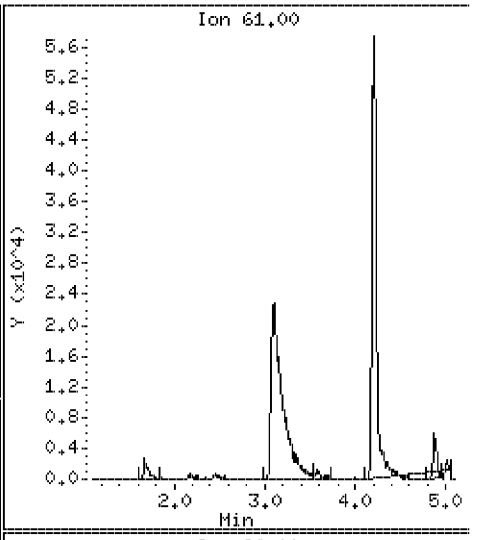
Column phase: DB-624

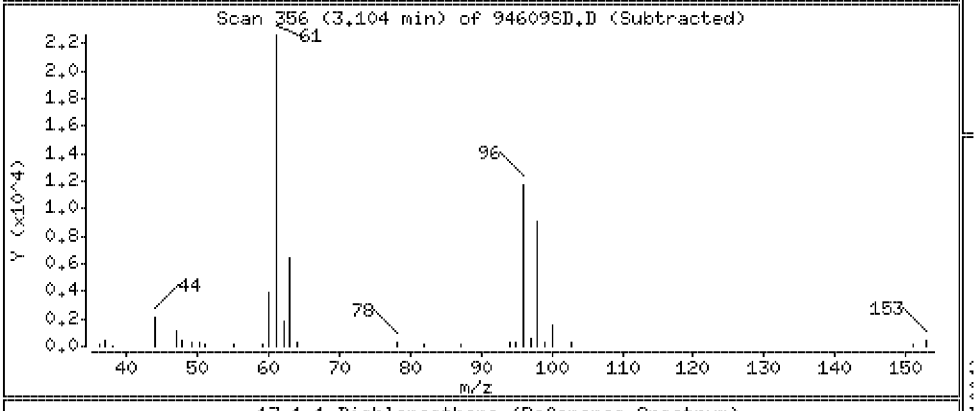
Column diameter: 0.18

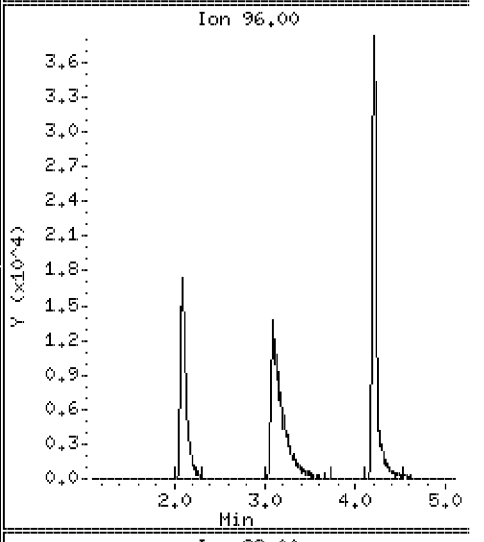
13 1,1-Dichloroethene

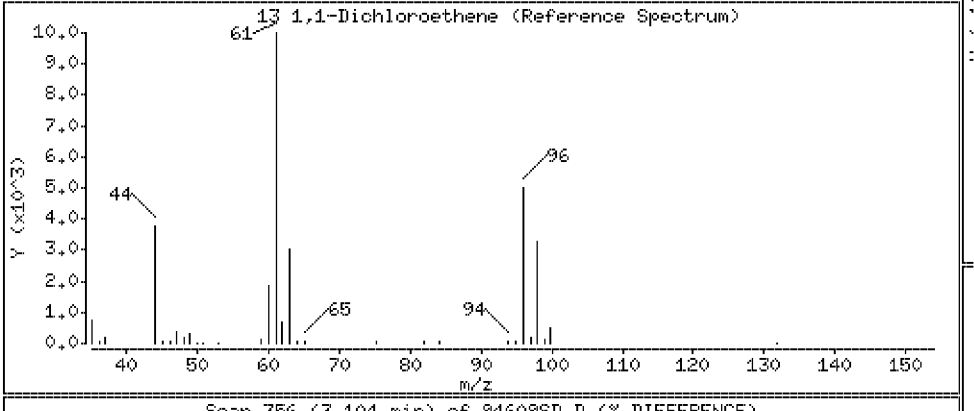
Concentration: 21.9 ug/l

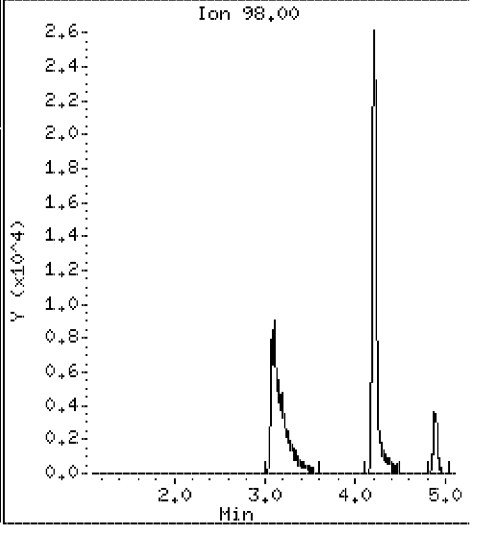


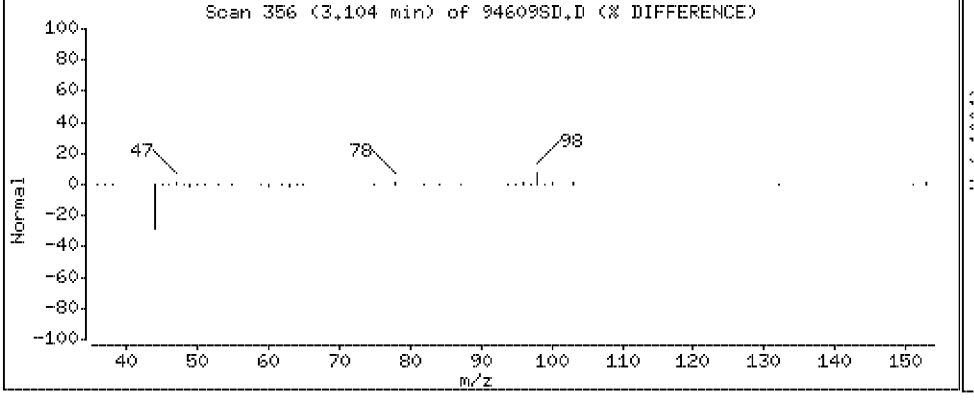












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Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

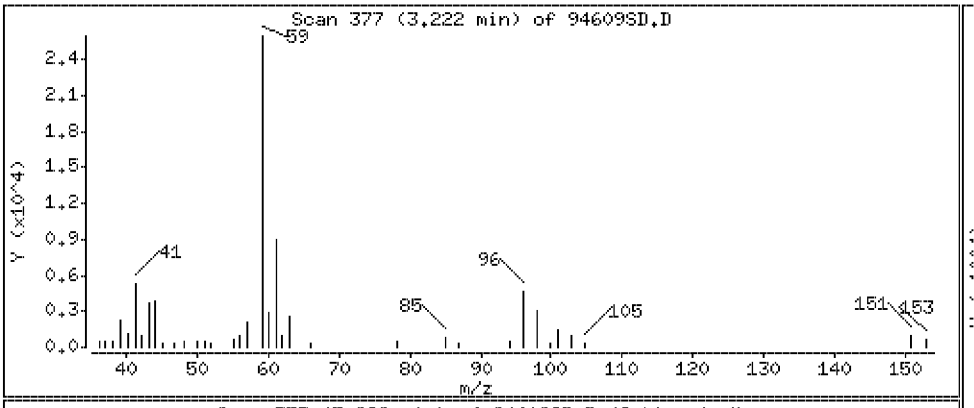
Operator:

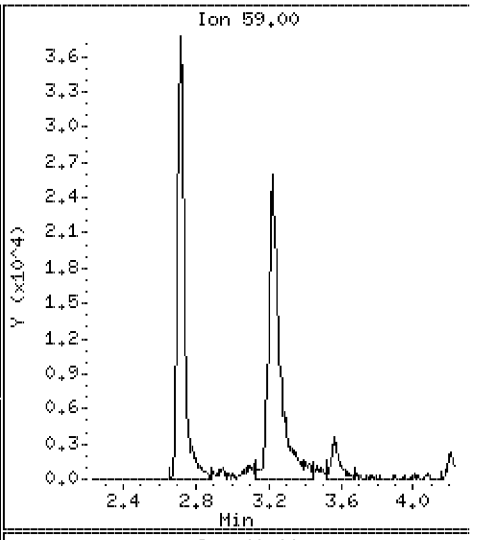
Column phase: DB-624

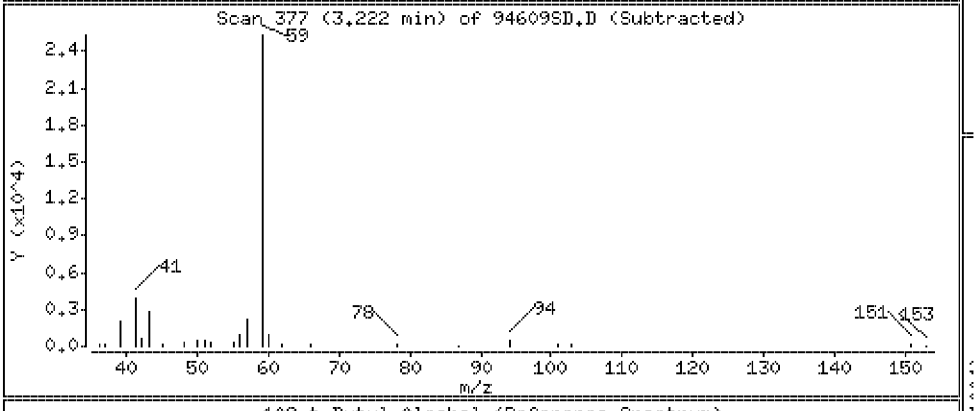
Column diameter: 0.18

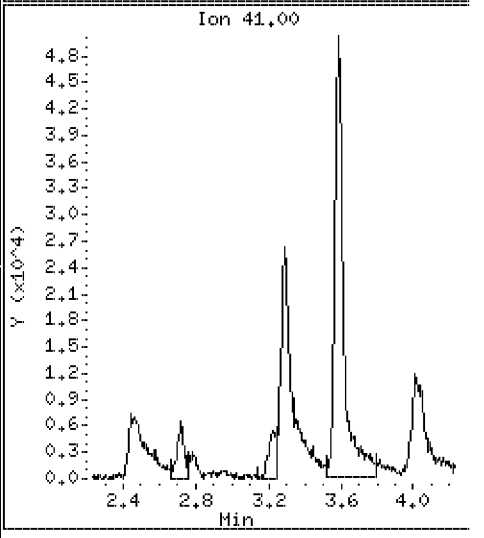
109 t-Butyl-Alcohol

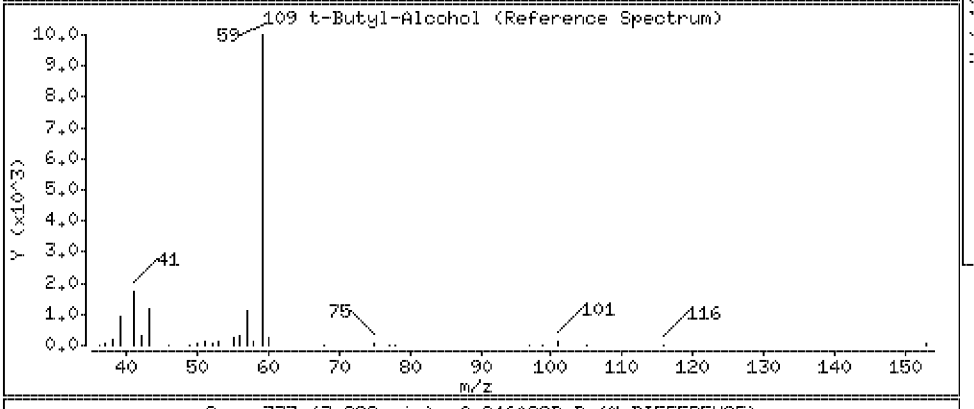
Concentration: 254 ug/l

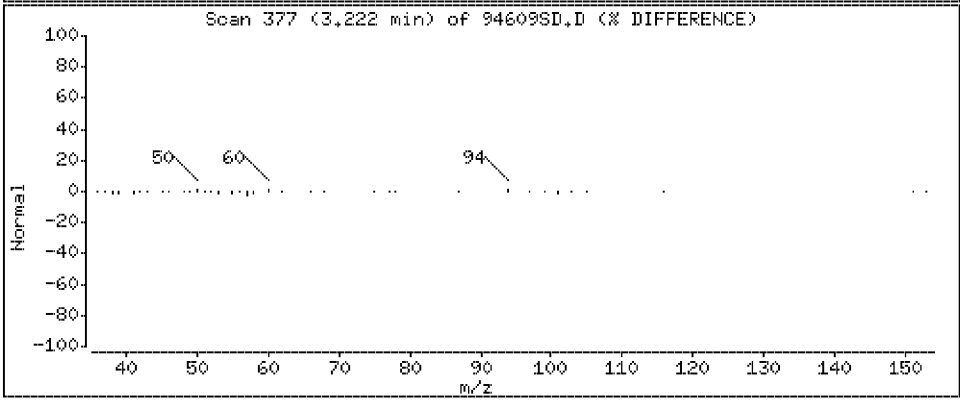












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

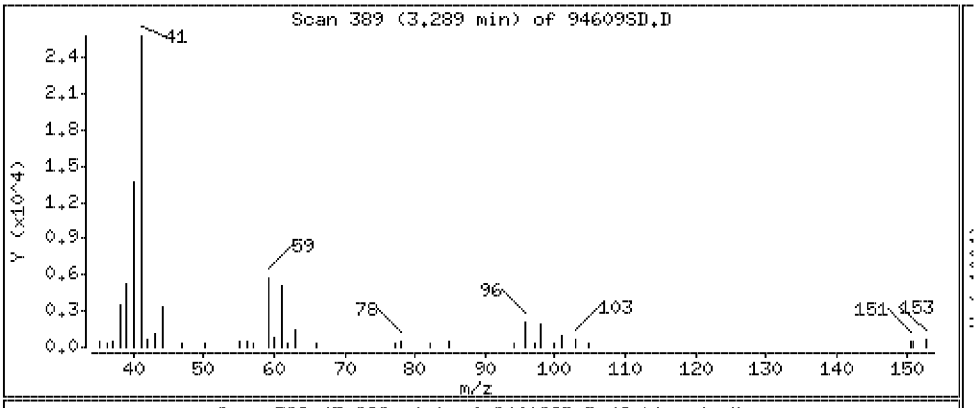
Operator:

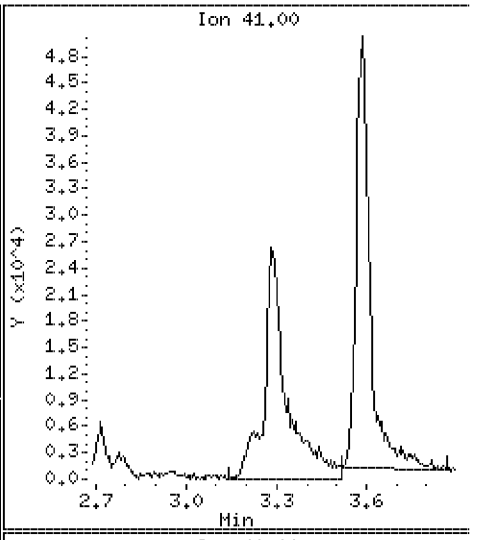
Column phase: DB-624

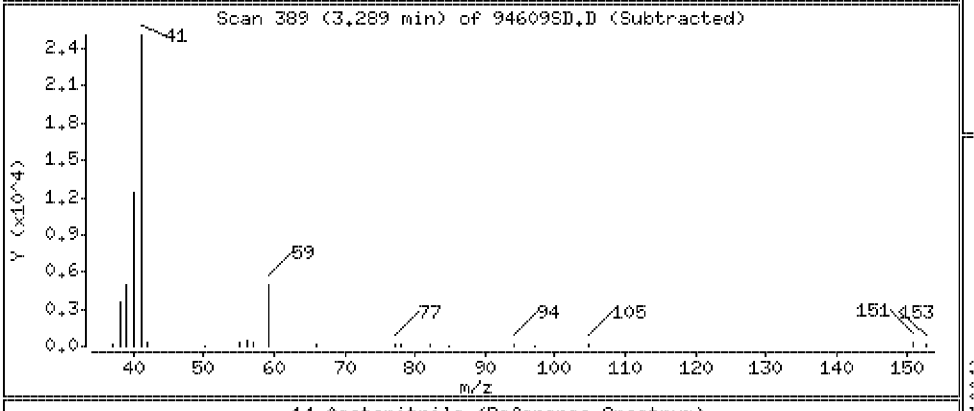
Column diameter: 0.18

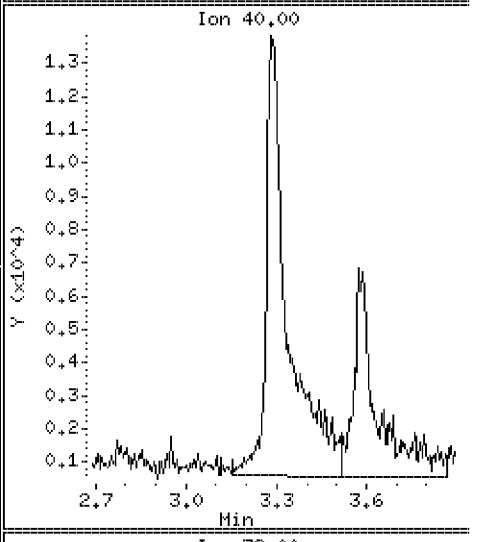
14 Acetonitrile

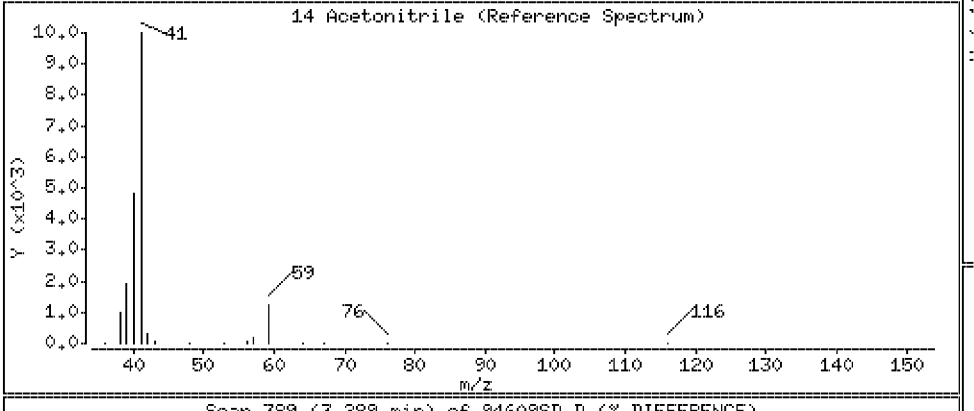
Concentration: 188 ug/l

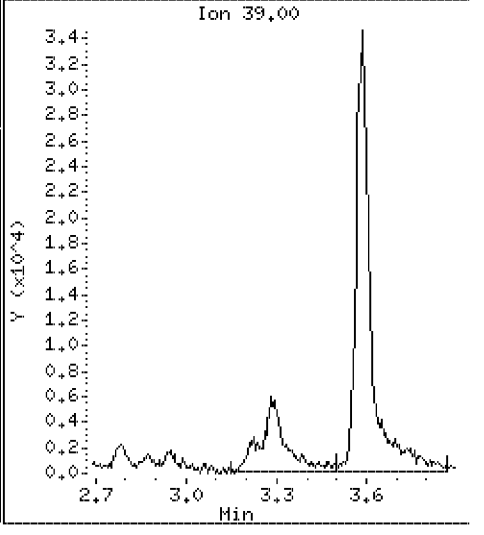


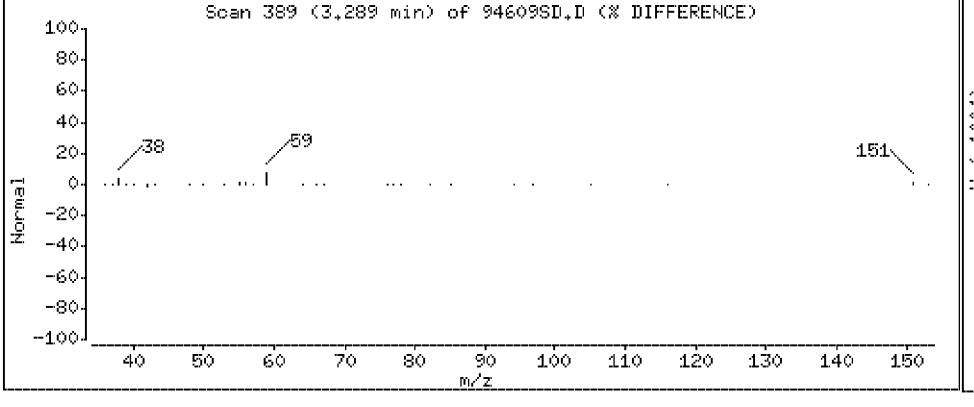












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

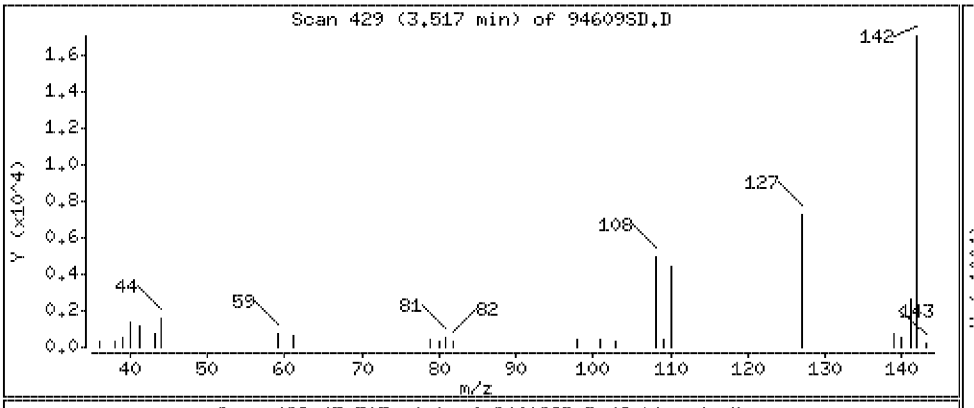
Operator:

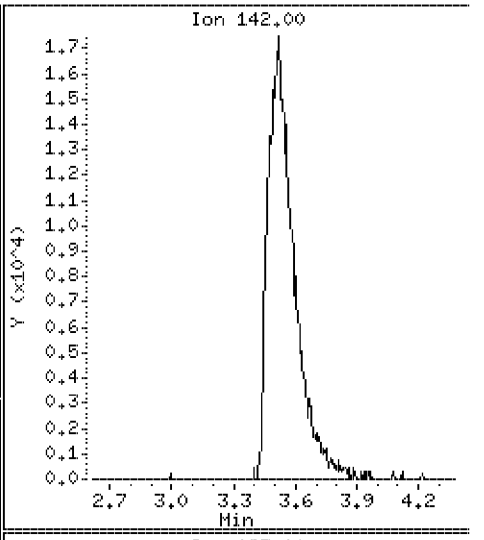
Column phase: DB-624

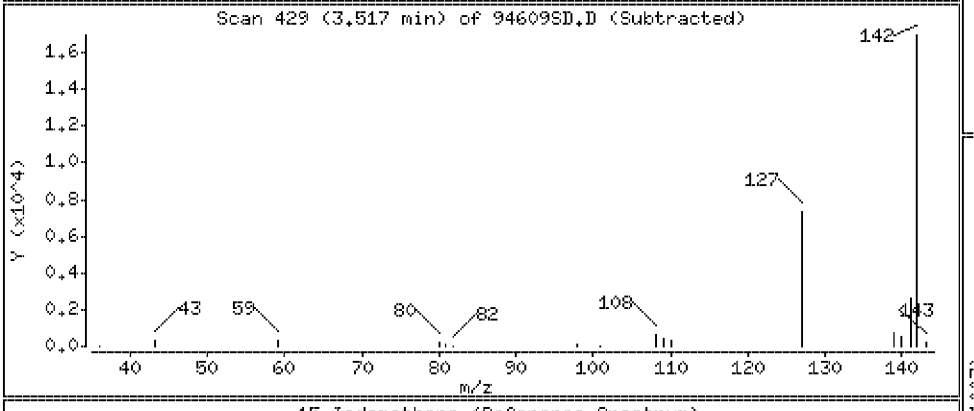
Column diameter: 0.18

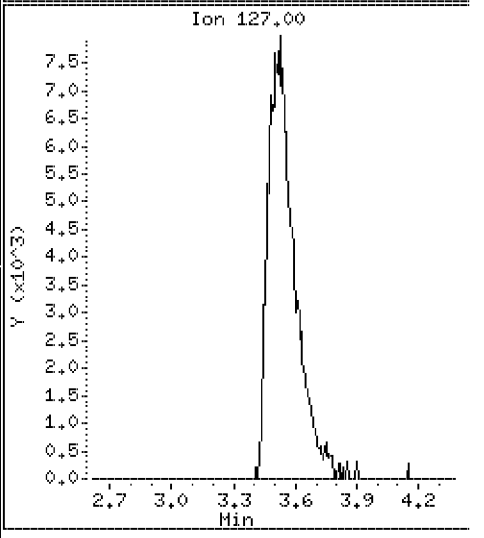
15 Iodomethane

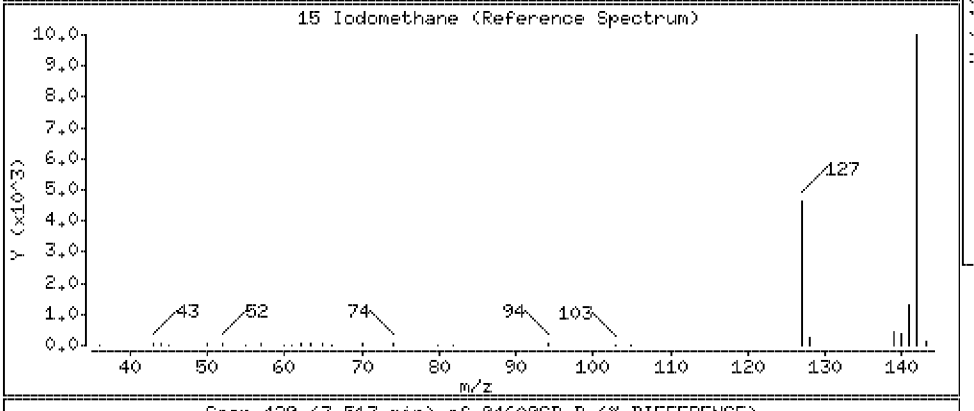
Concentration: 18.3 ug/l

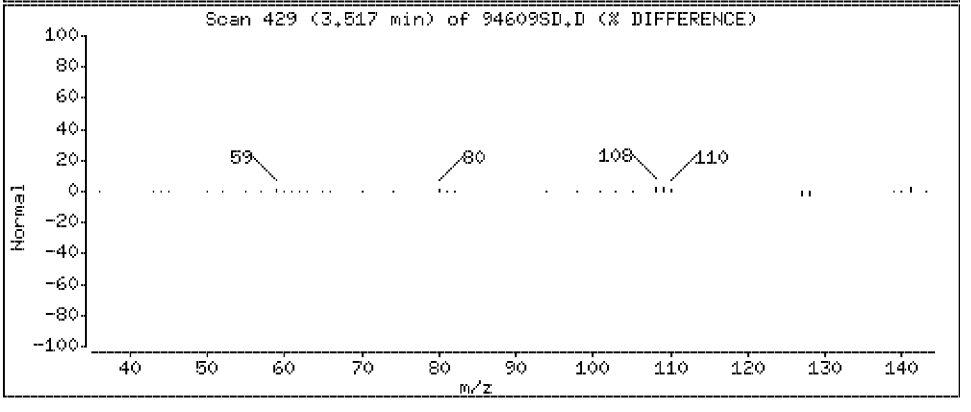












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

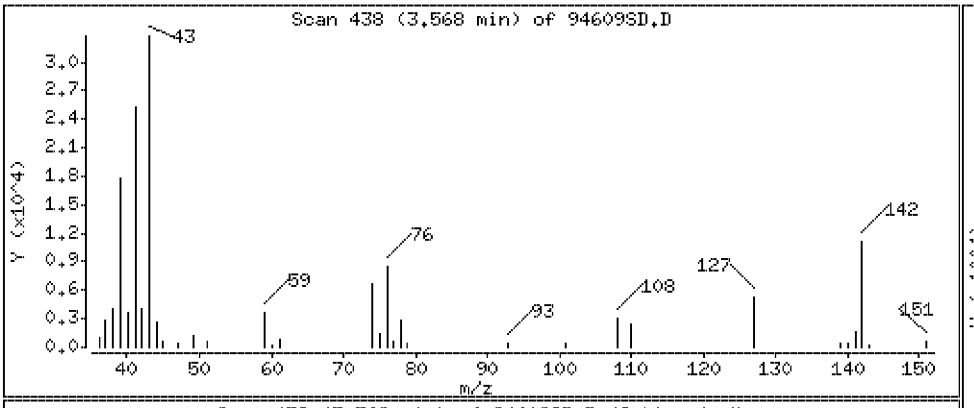
Operator:

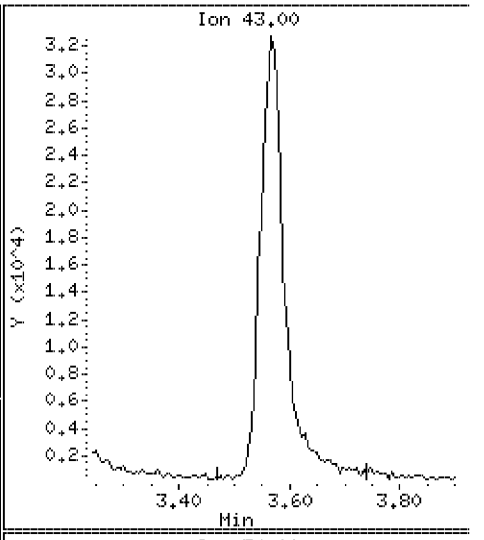
Column phase: DB-624

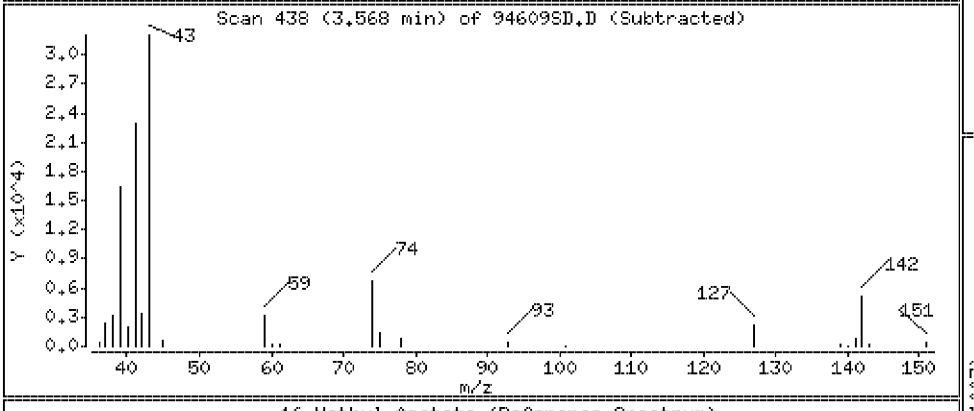
Column diameter: 0.18

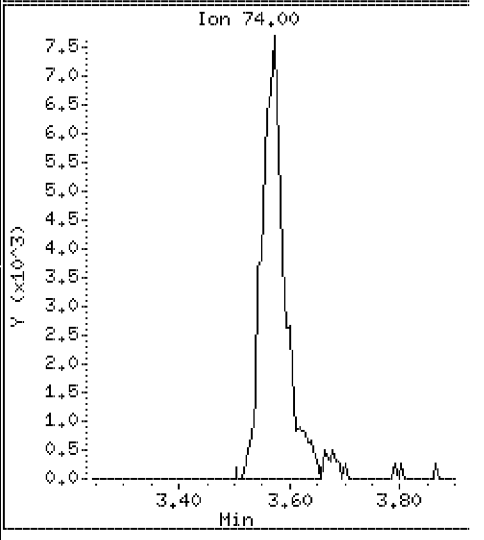
16 Methyl Acetate

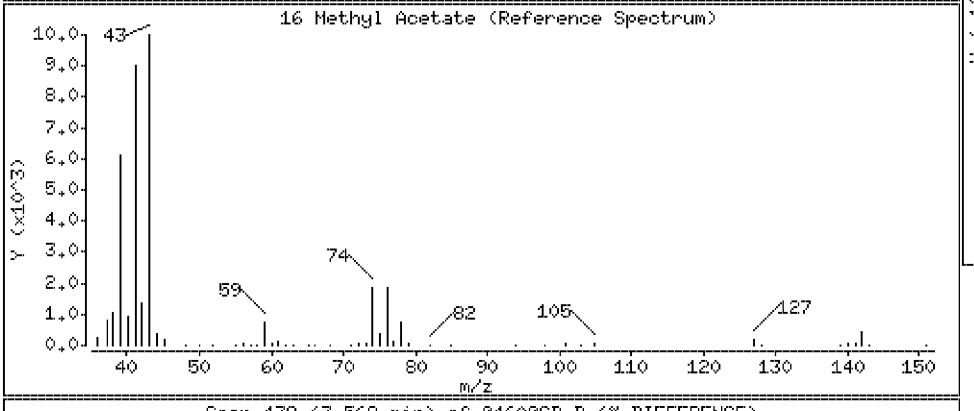
Concentration: 18.2 ug/l

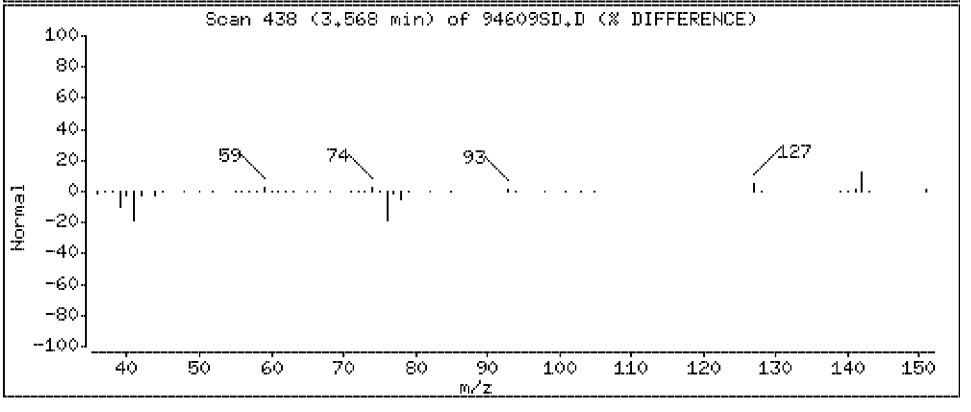












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

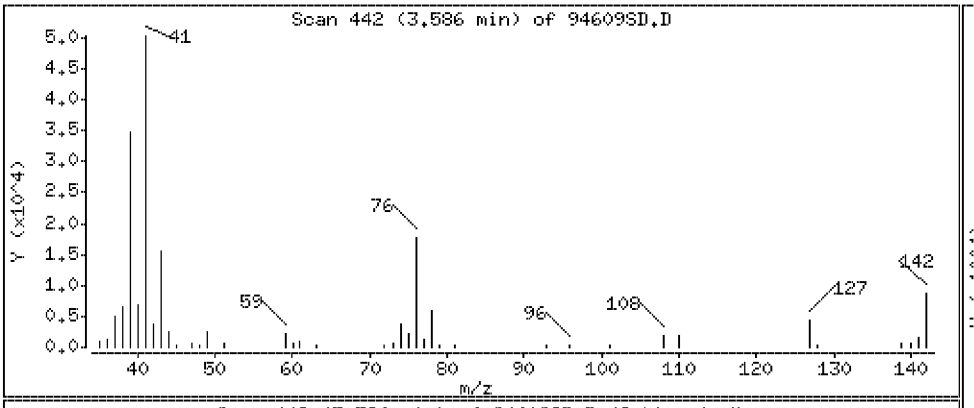
Operator:

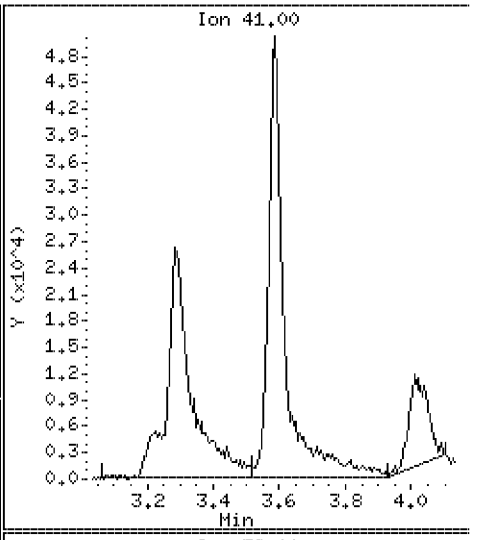
Column phase: DB-624

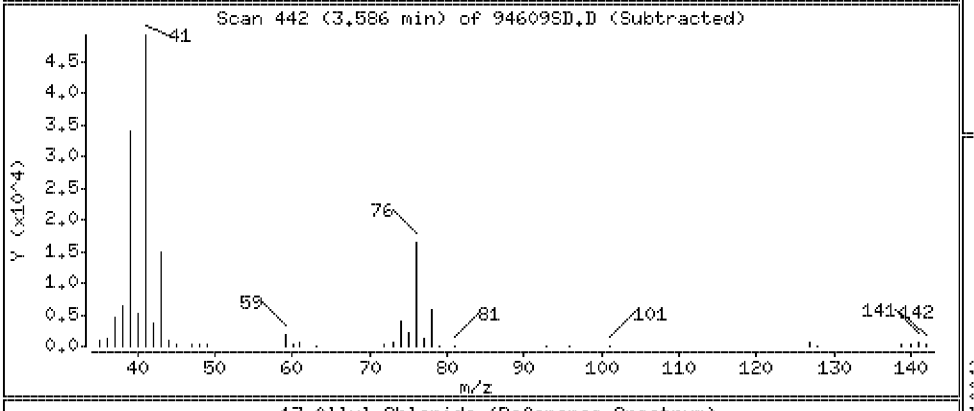
Column diameter: 0.18

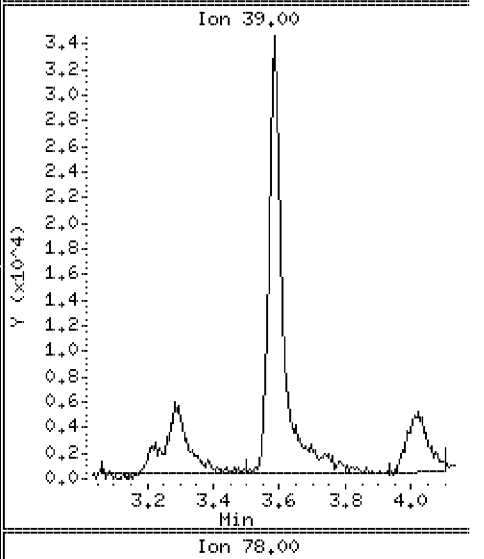
17 Allyl Chloride

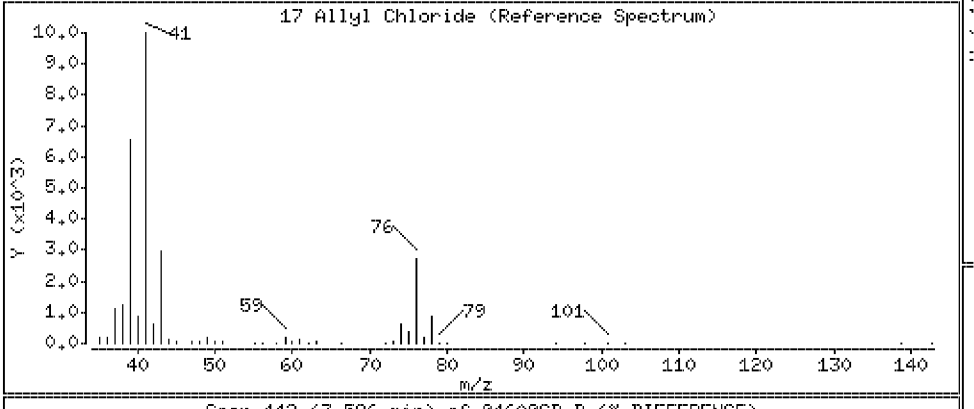
Concentration: 19.8 ug/l

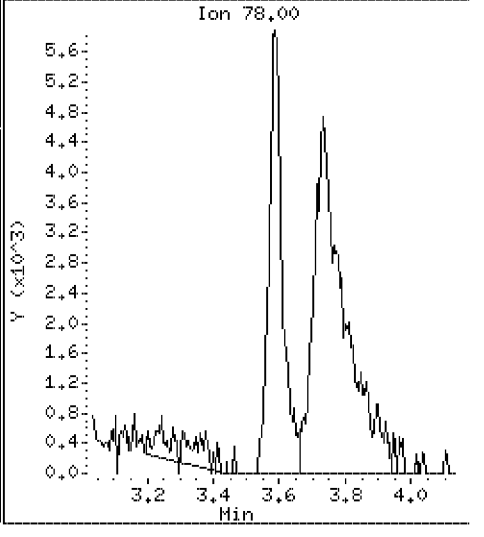


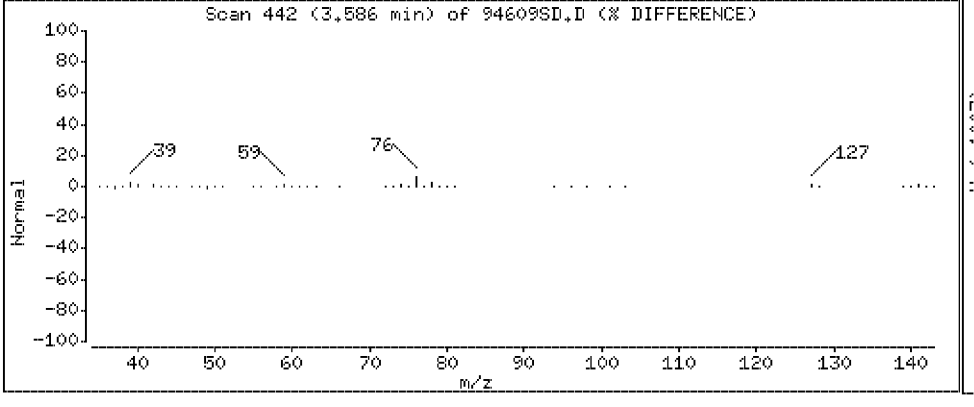












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

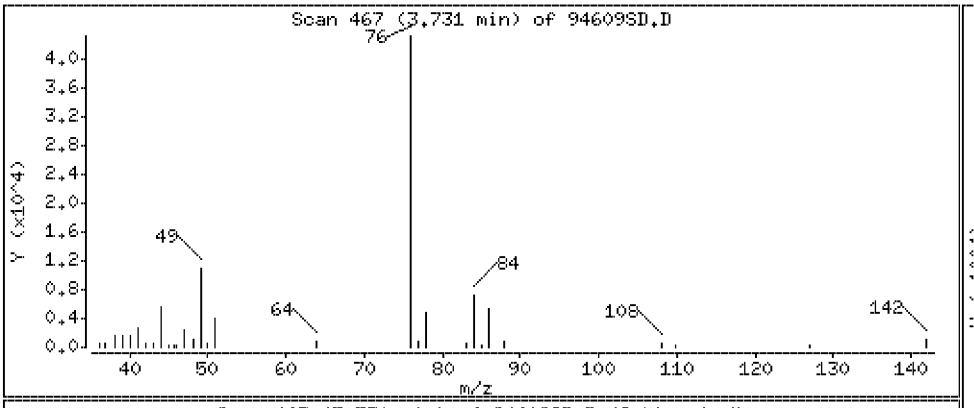
Operator:

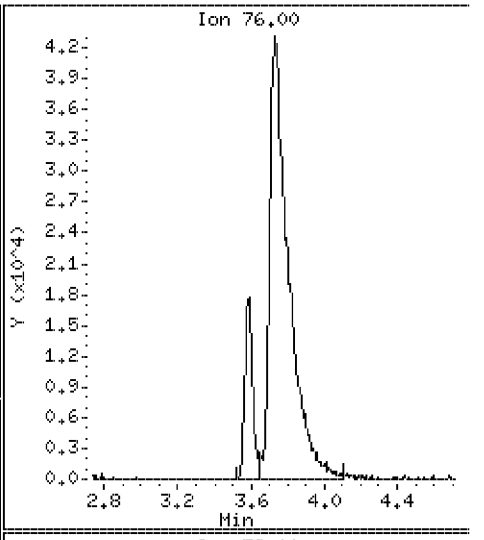
Column phase: DB-624

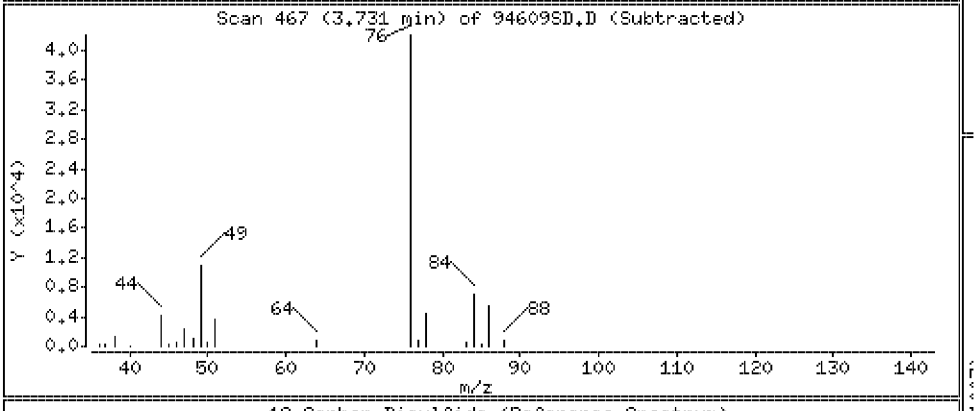
Column diameter: 0.18

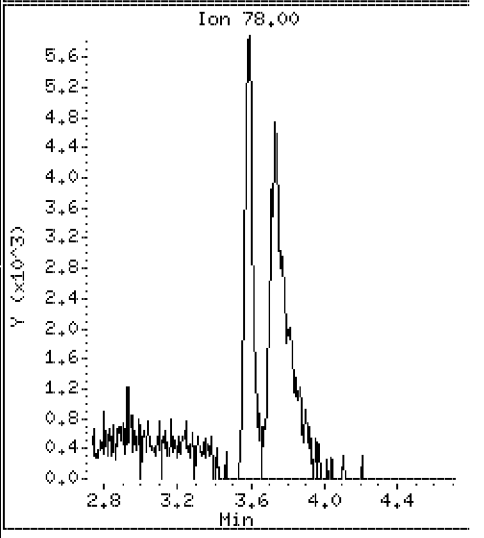
18 Carbon Disulfide

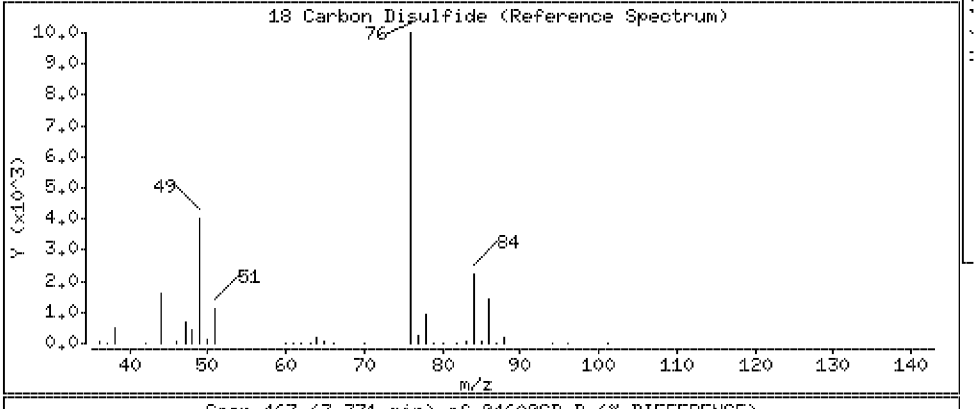
Concentration: 20.2 ug/l

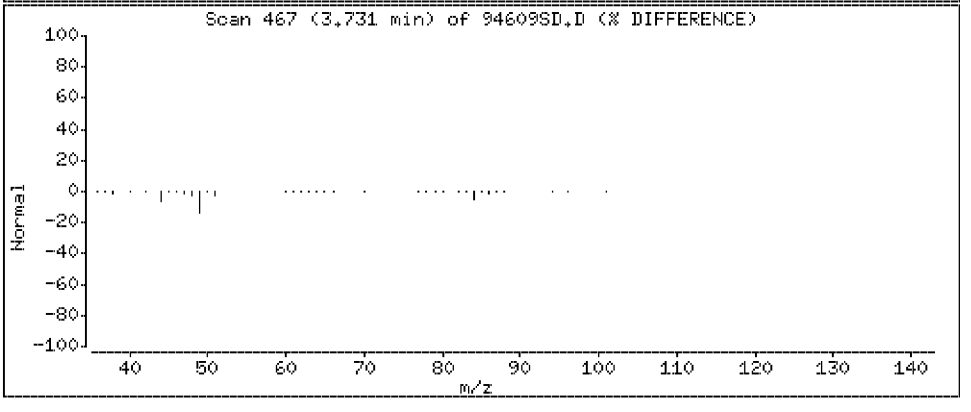












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

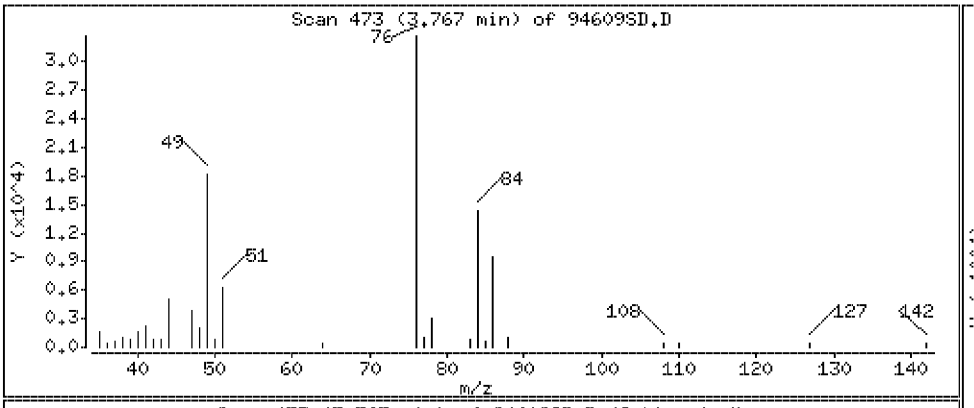
Operator:

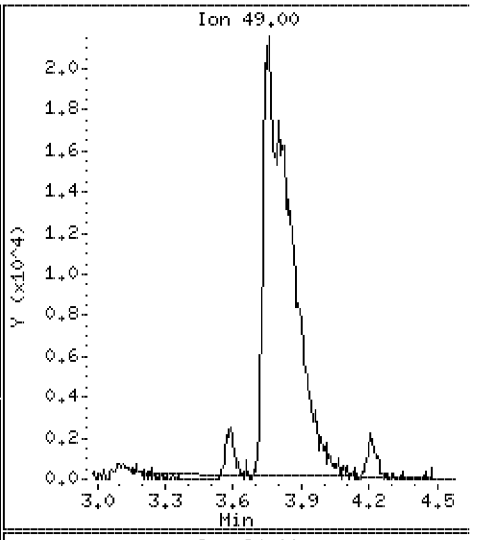
Column phase: DB-624

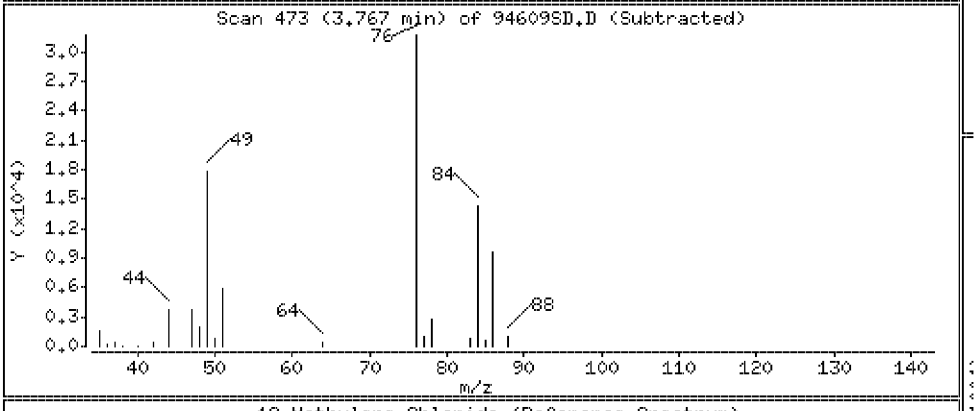
Column diameter: 0.18

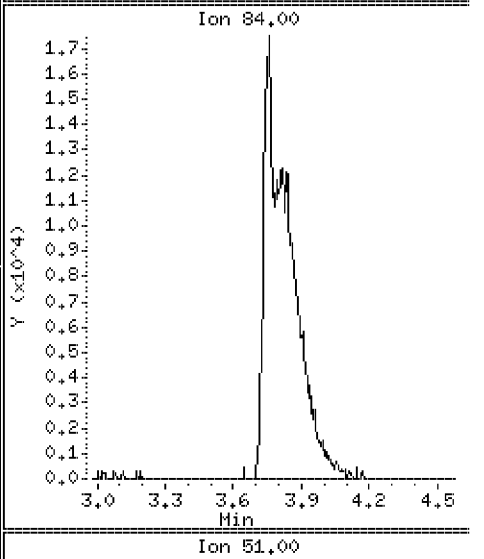
19 Methylene Chloride

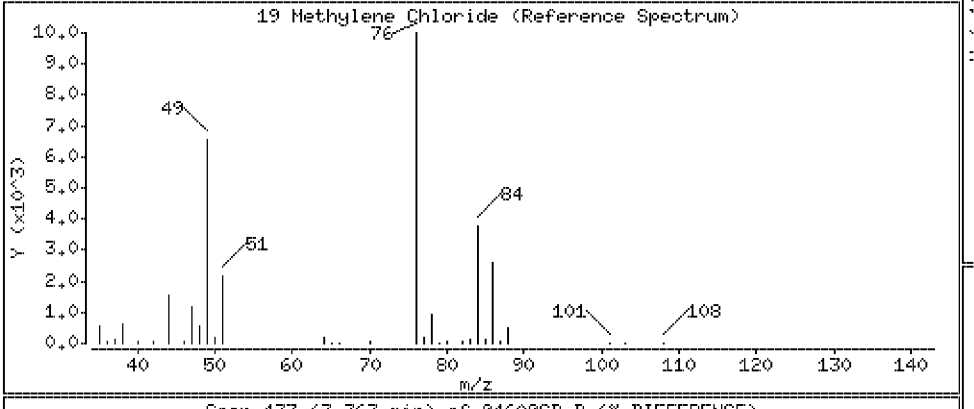
Concentration: 18.1 ug/l

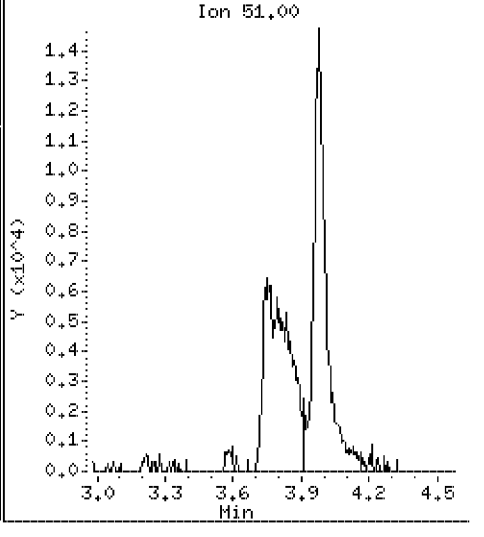


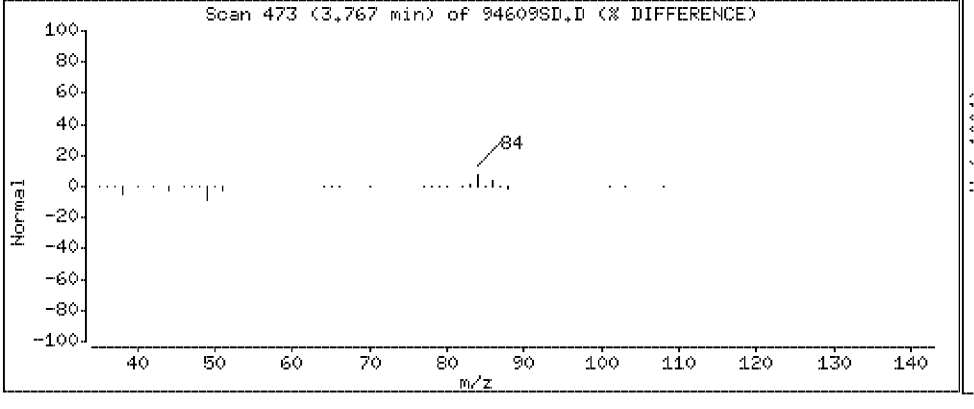












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

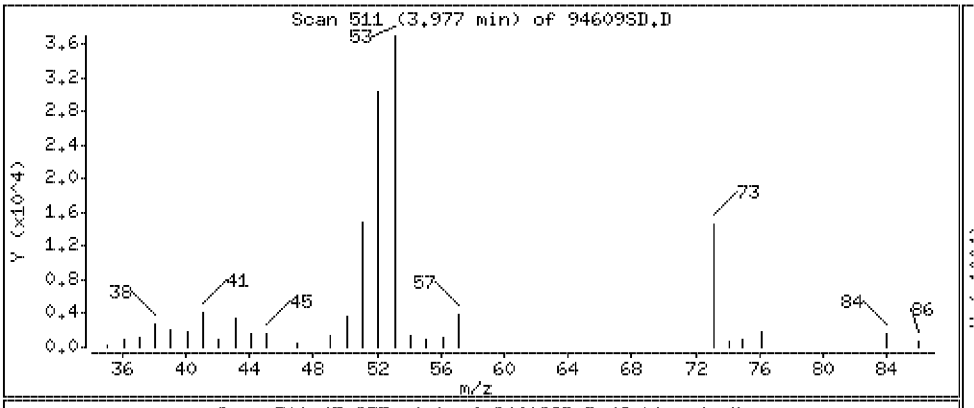
Operator:

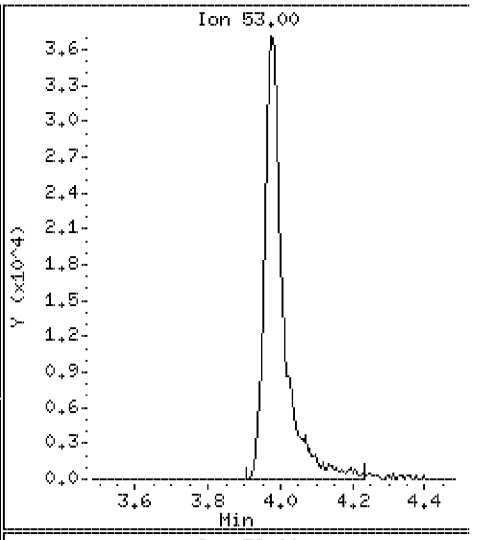
Column phase: DB-624

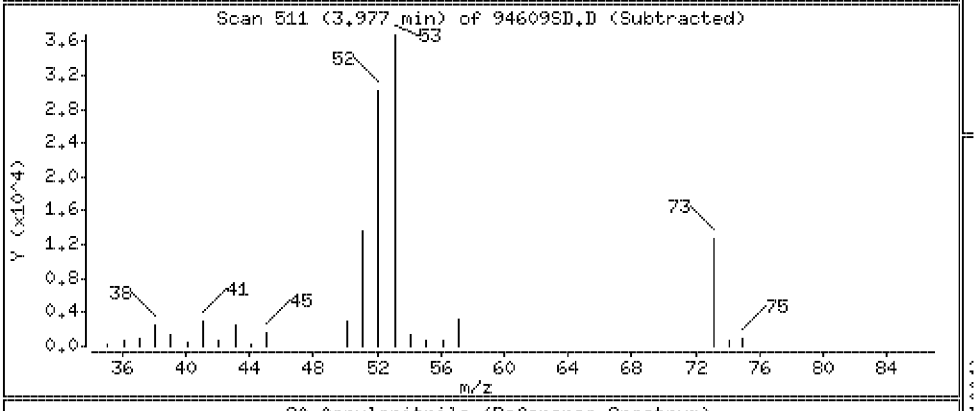
Column diameter: 0.18

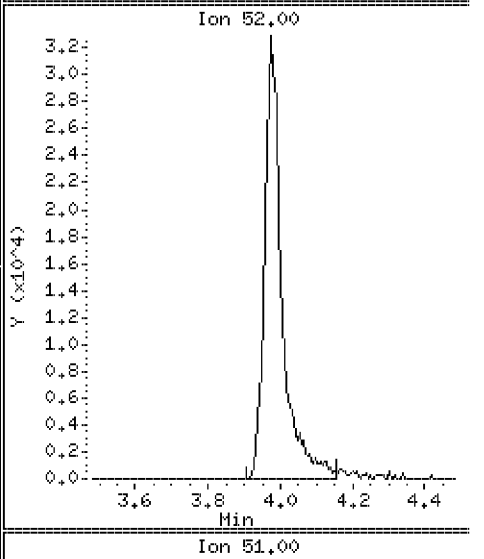
20 Acrylonitrile

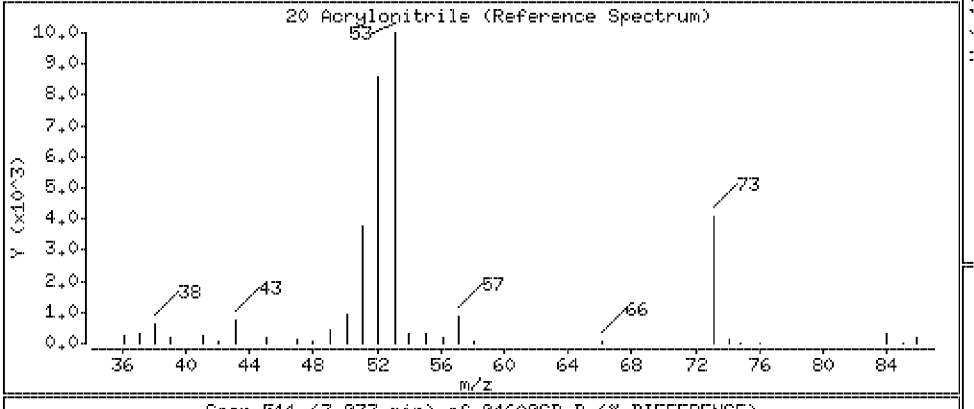
Concentration: 58.8 ug/l

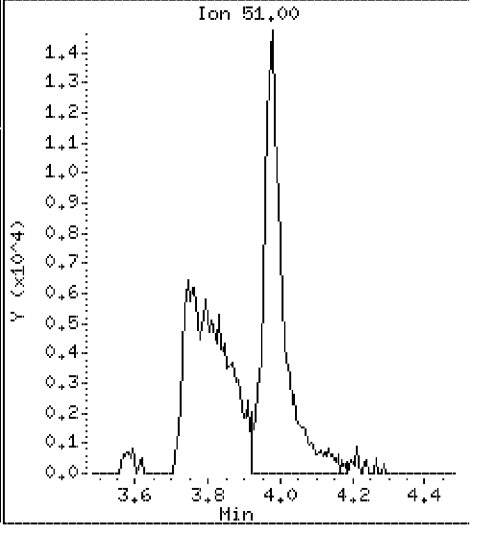


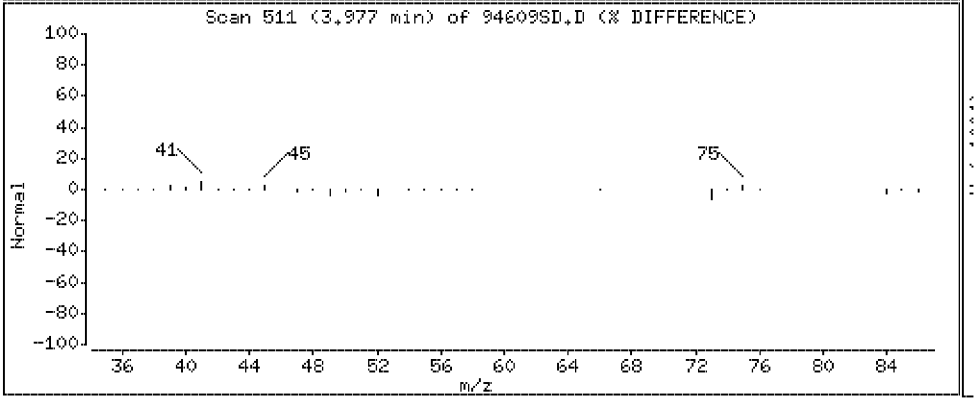












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

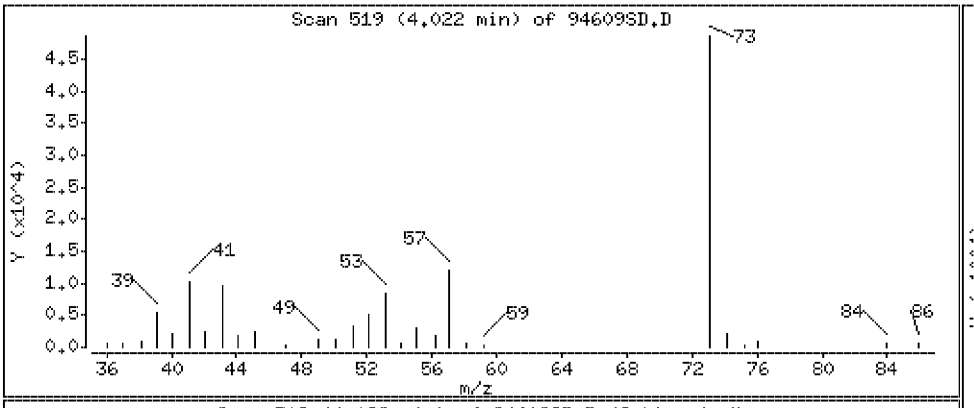
Operator:

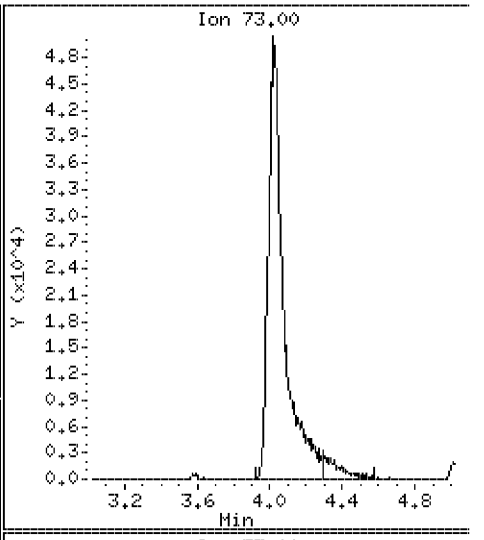
Column phase: DB-624

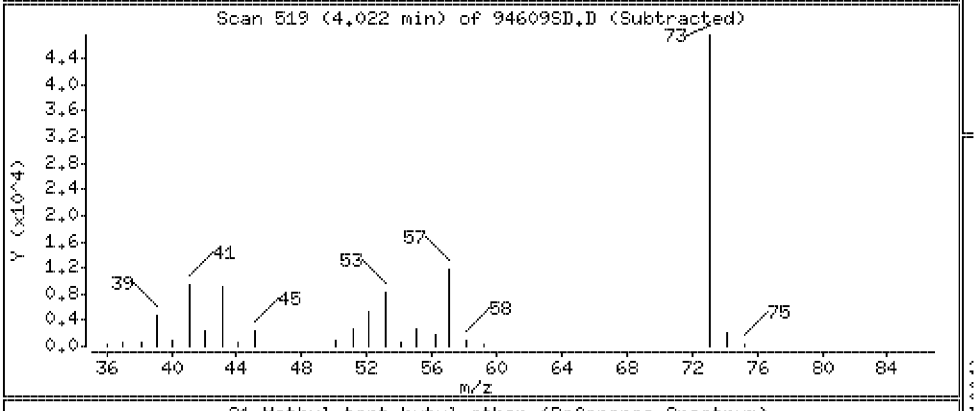
Column diameter: 0.18

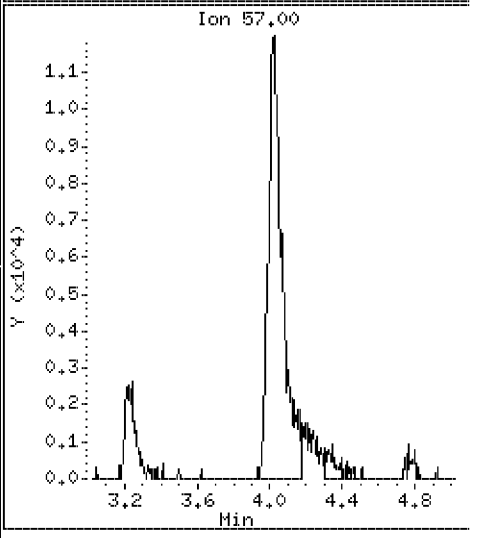
21 Methyl-tert-butyl ether

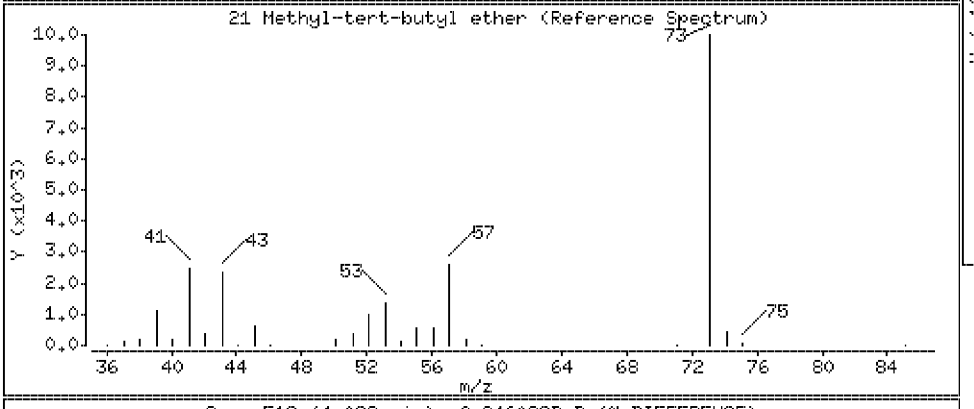
Concentration: 19.4 ug/l

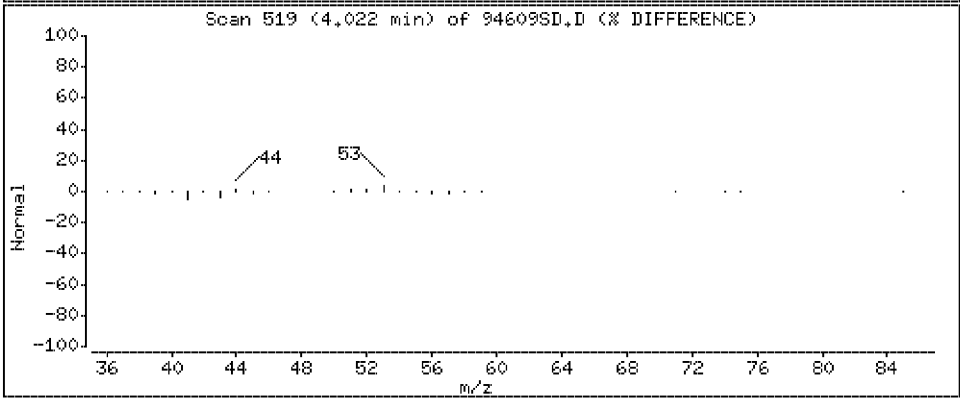












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

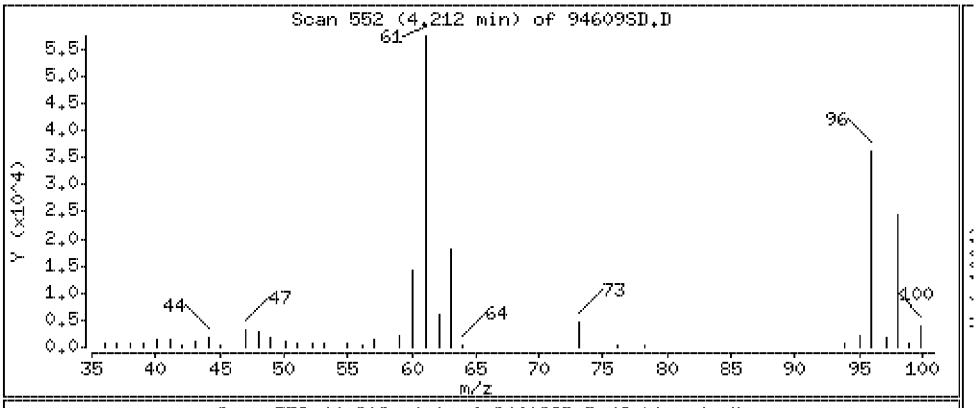
Operator:

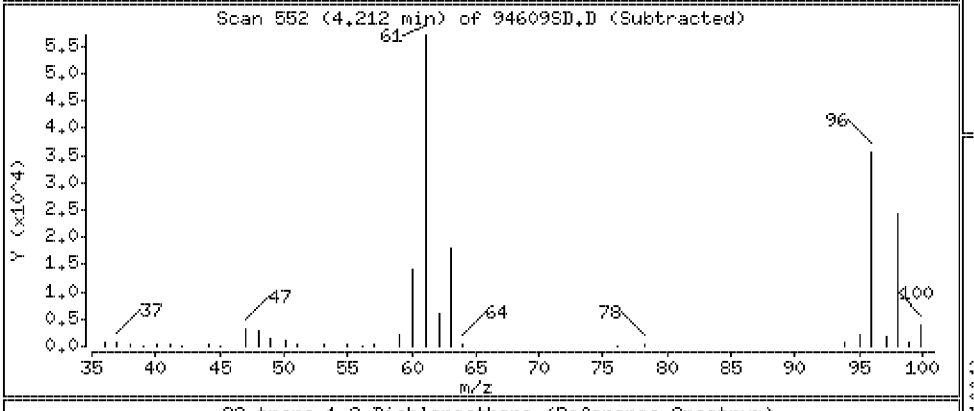
Column phase: DB-624

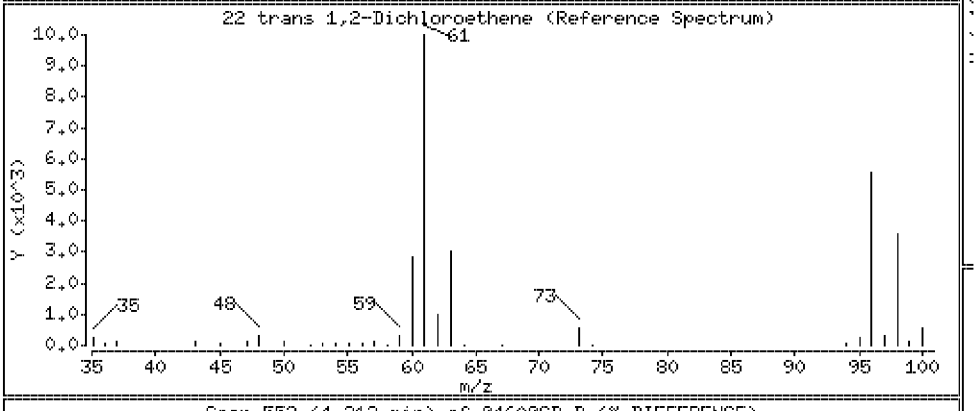
Column diameter: 0.18

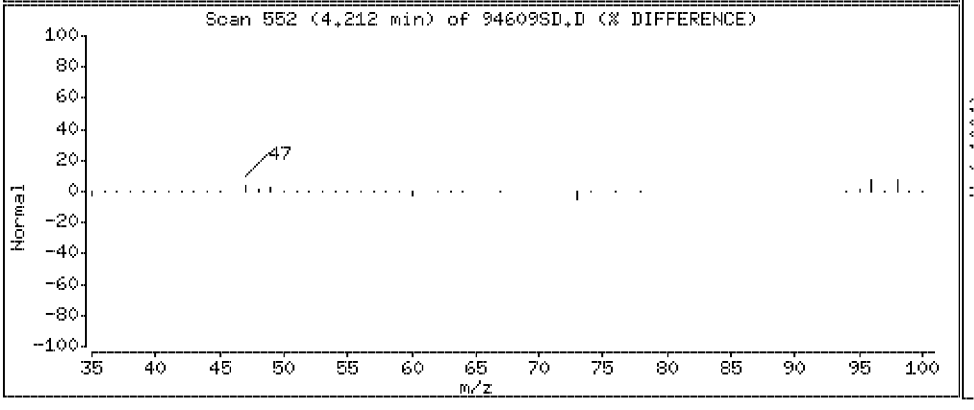
22 trans 1,2-Dichloroethene

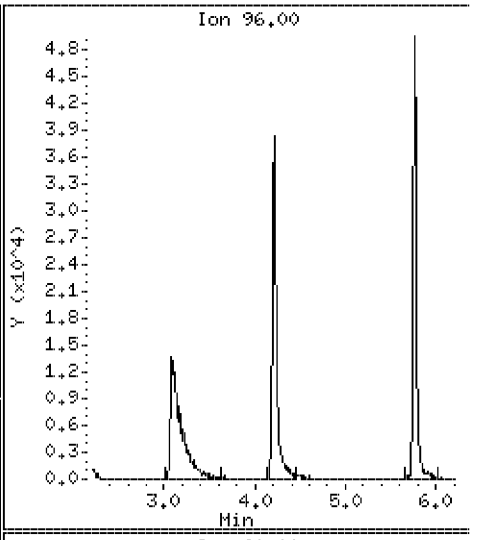
Concentration: 20.9 ug/l

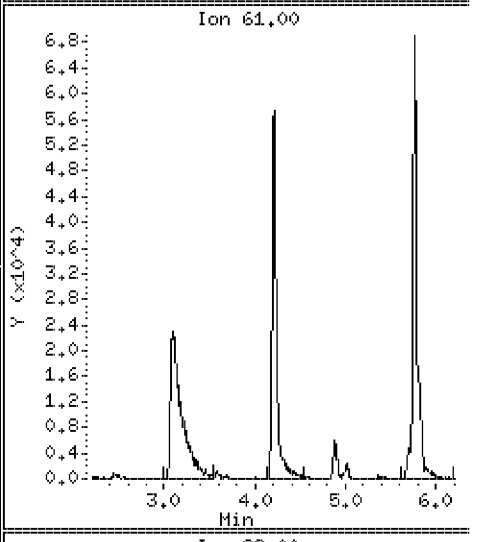


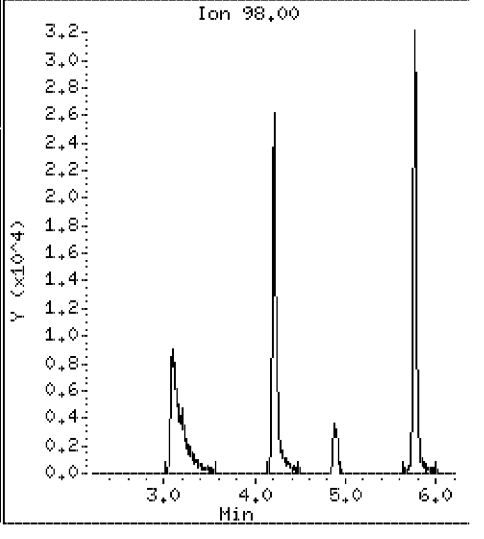












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

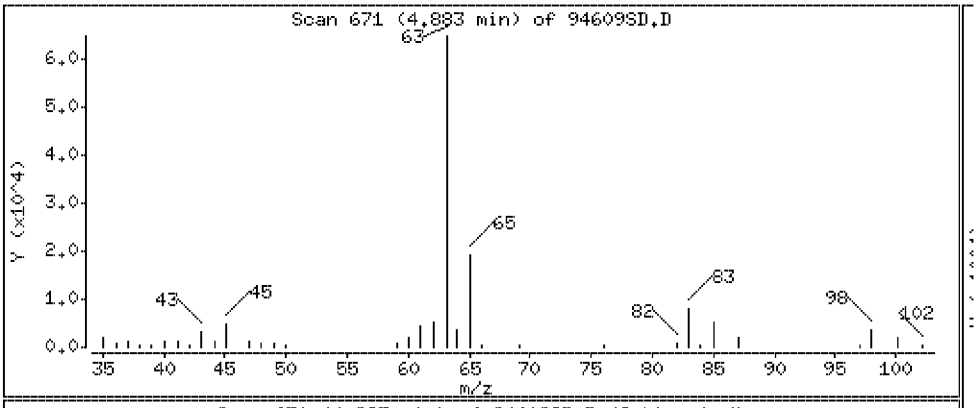
Operator:

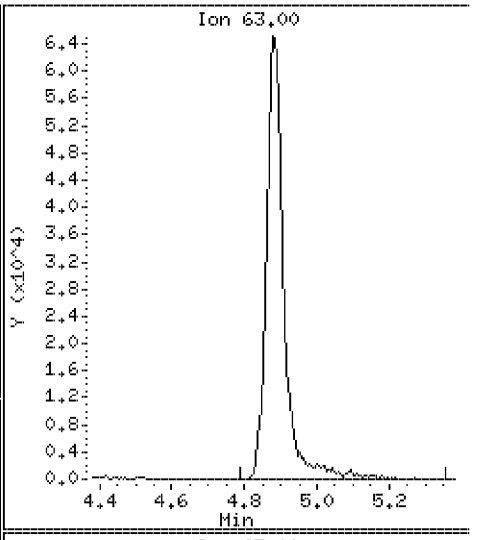
Column phase: DB-624

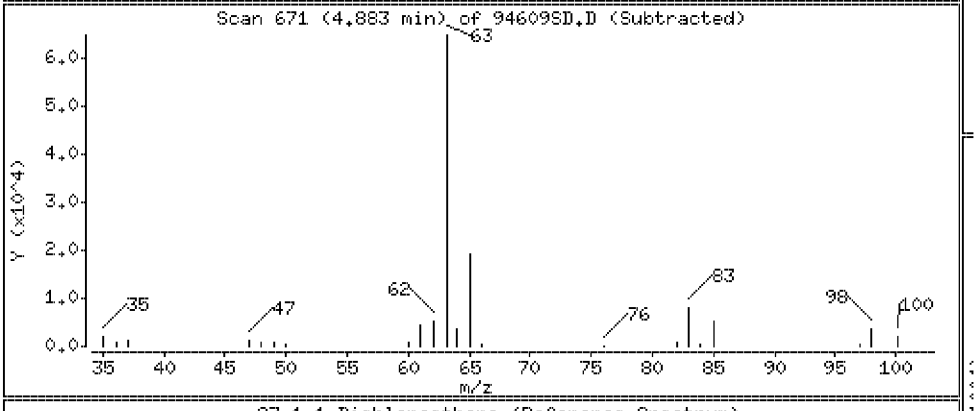
Column diameter: 0.18

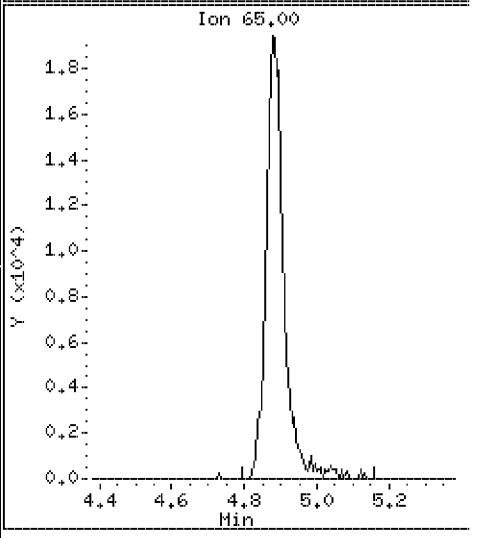
23 1,1-Dichloroethane

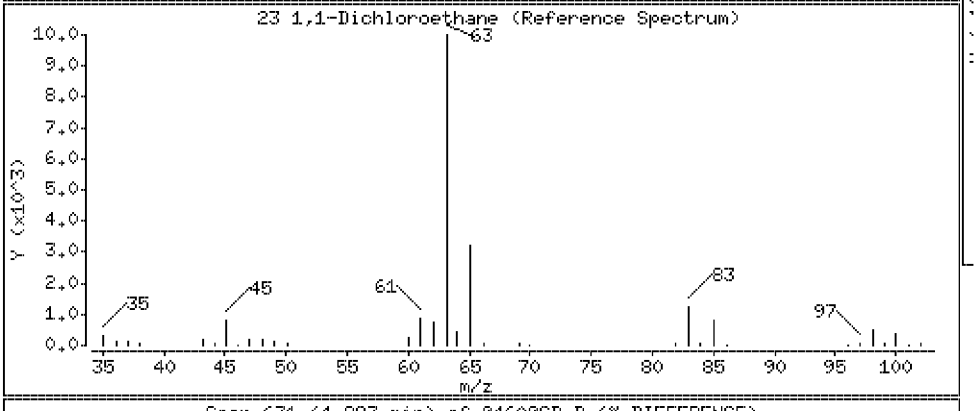
Concentration: 20.7 ug/l

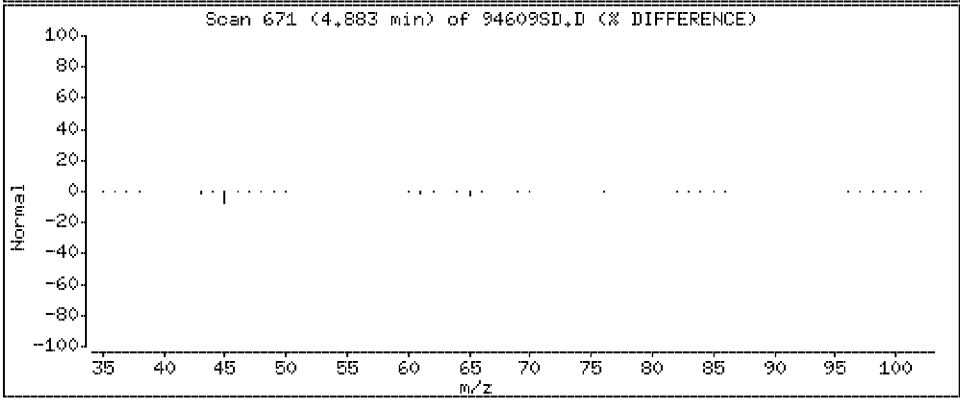












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

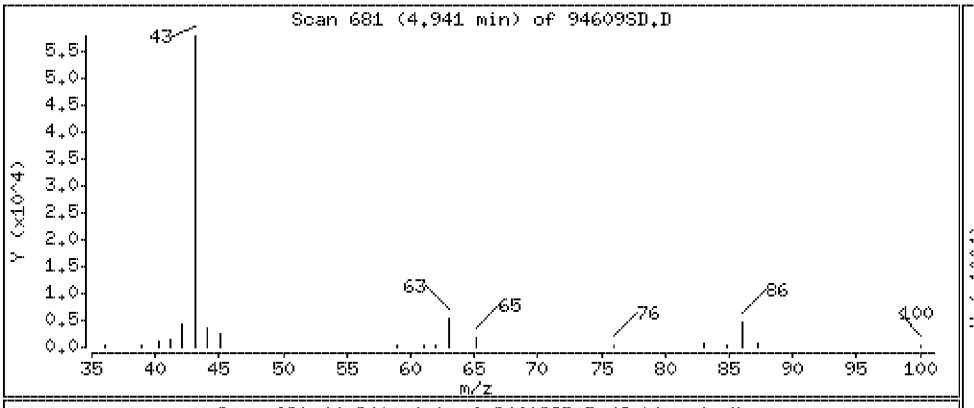
Operator:

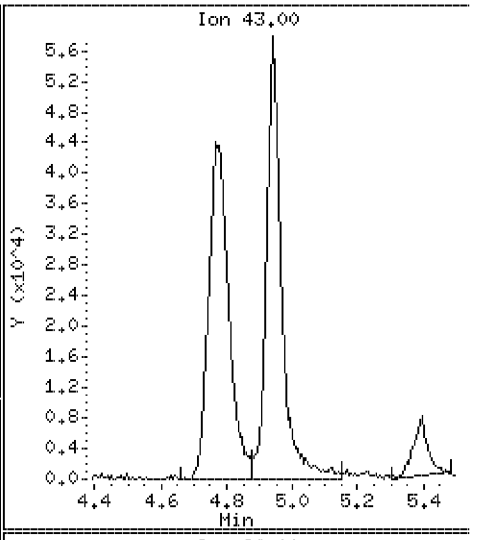
Column phase: DB-624

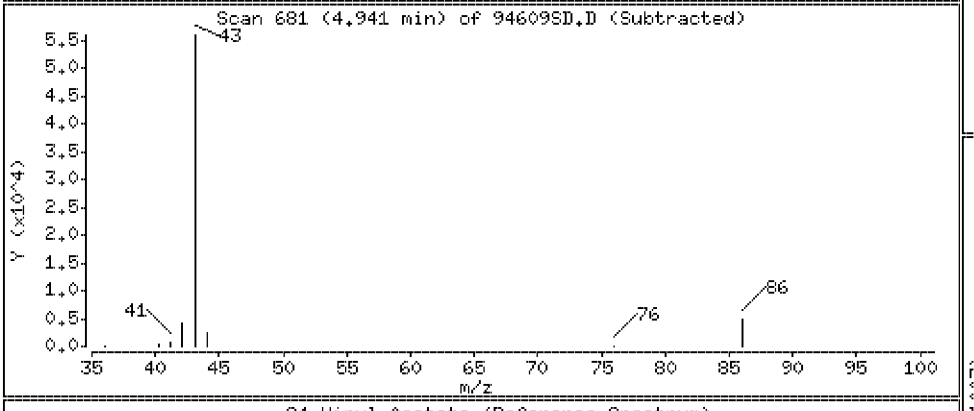
Column diameter: 0.18

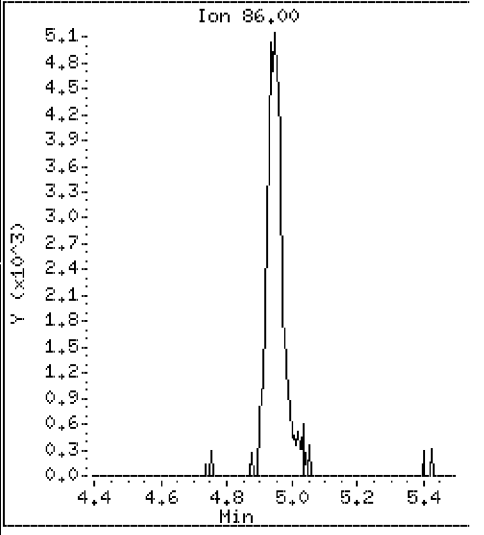
24 Vinyl Acetate

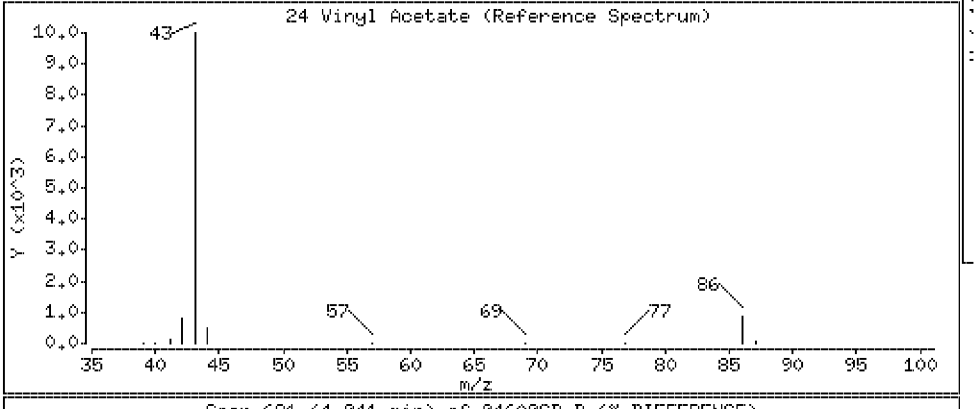
Concentration: 20.6 ug/l

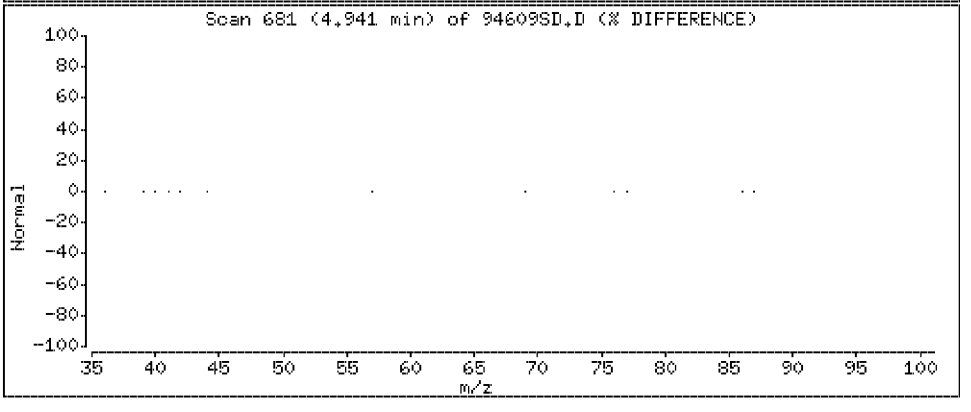












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

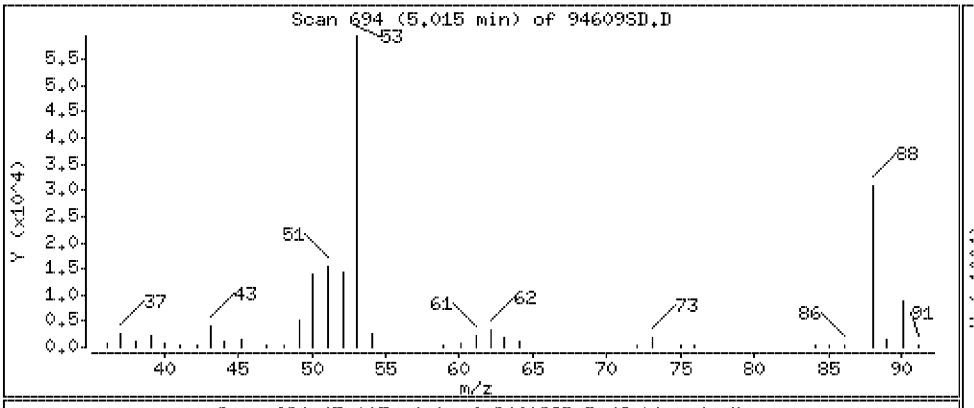
Operator:

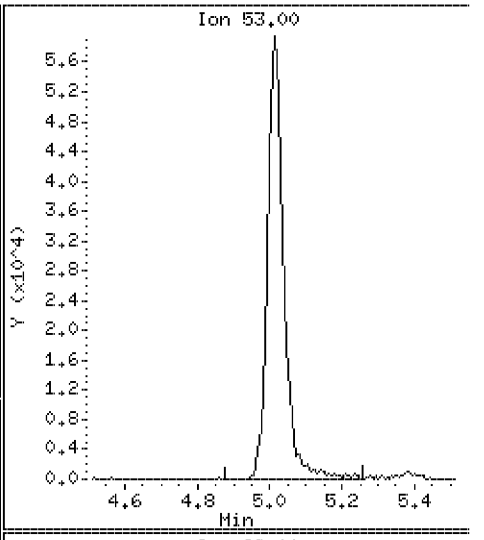
Column phase: DB-624

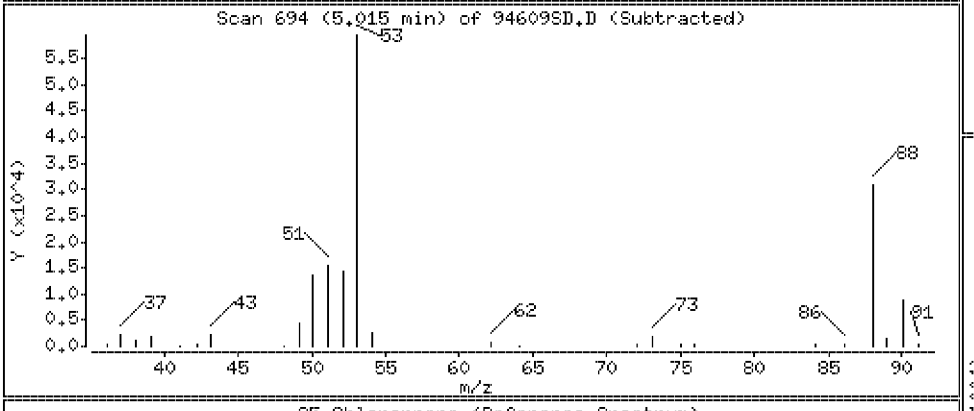
Column diameter: 0.18

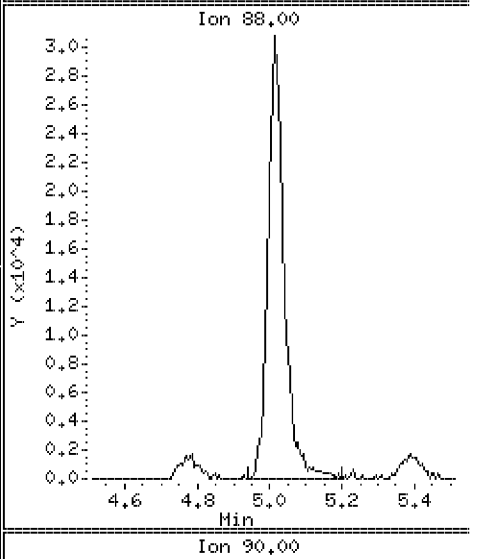
25 Chloroprene

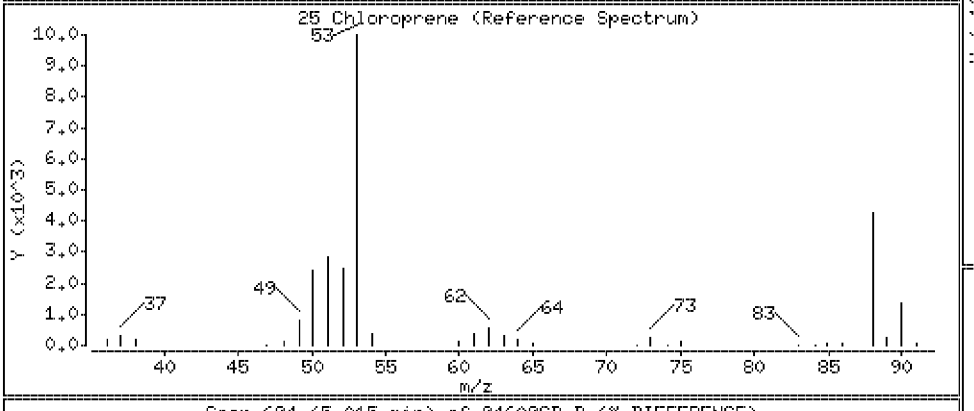
Concentration: 21.4 ug/l

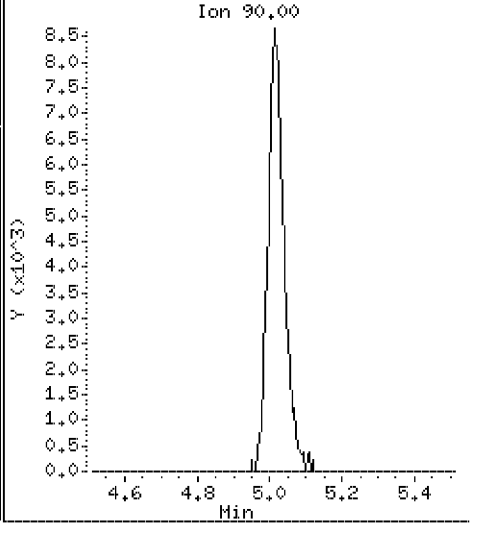


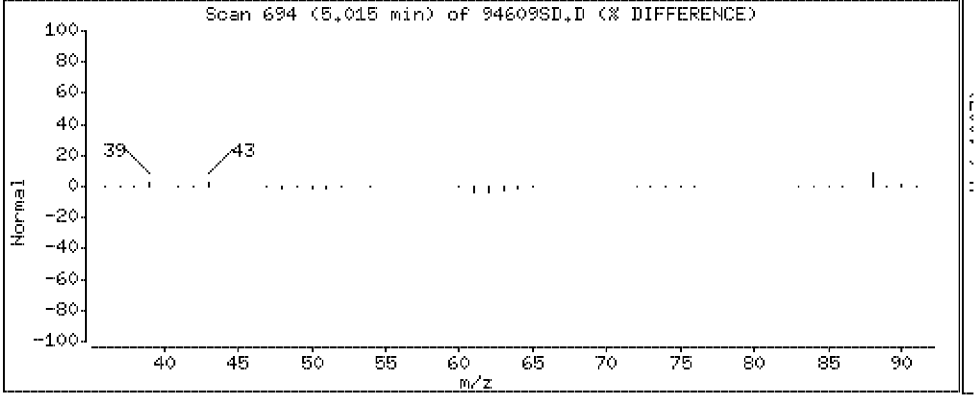












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

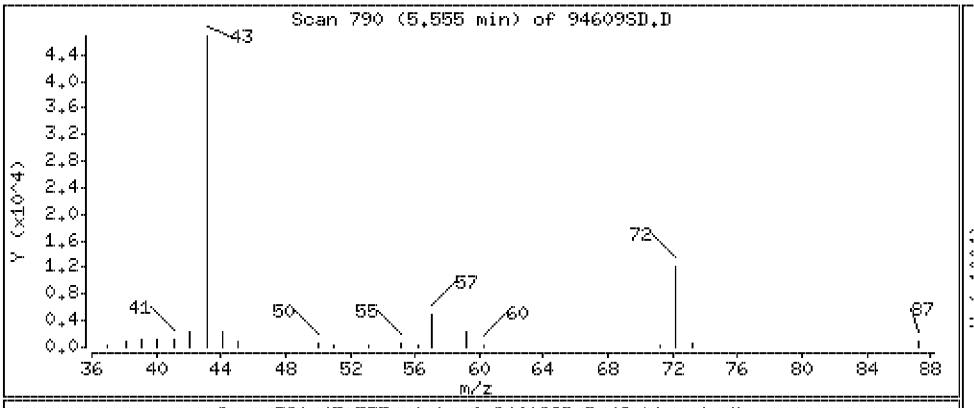
Operator:

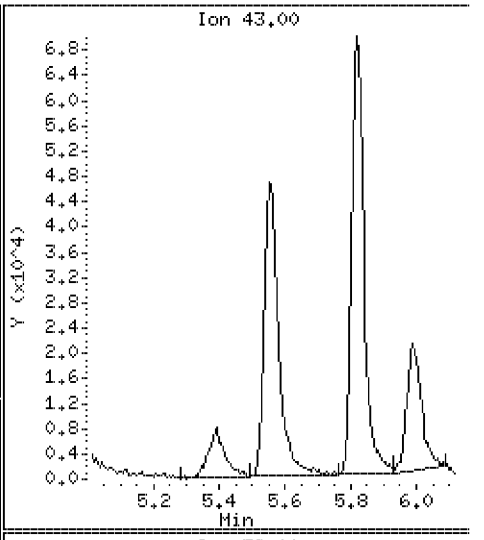
Column phase: DB-624

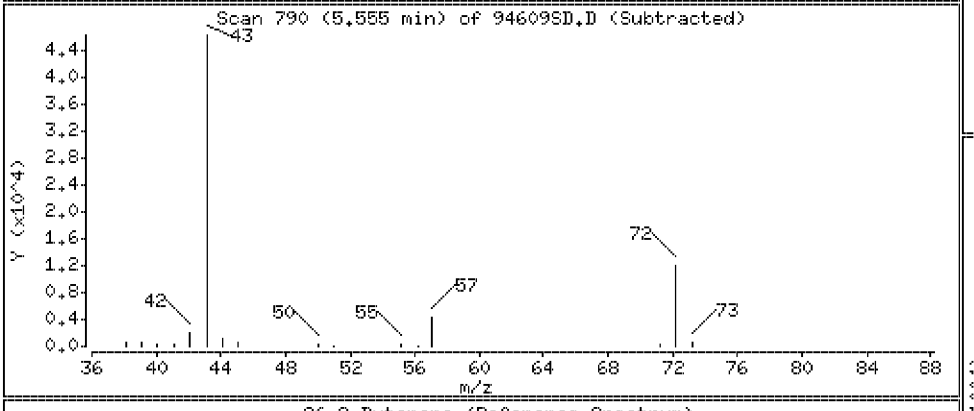
Column diameter: 0.18

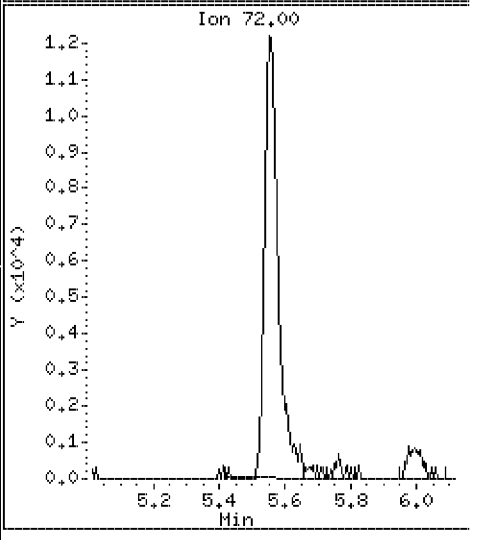
26 2-Butanone

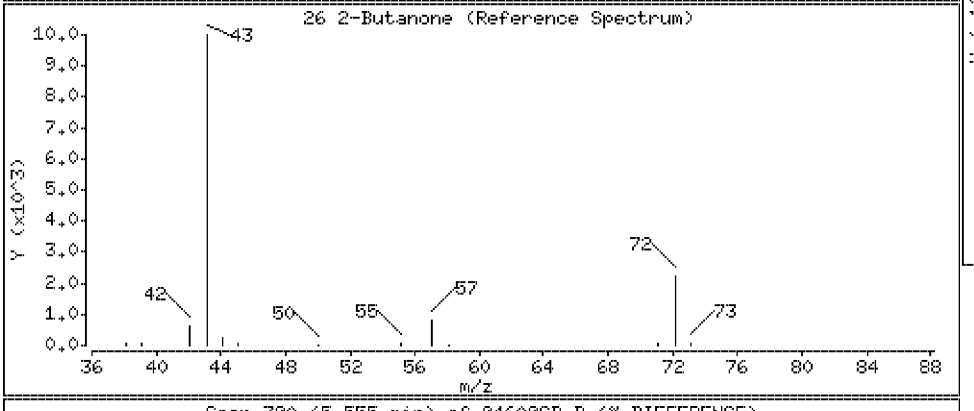
Concentration: 57.6 ug/l

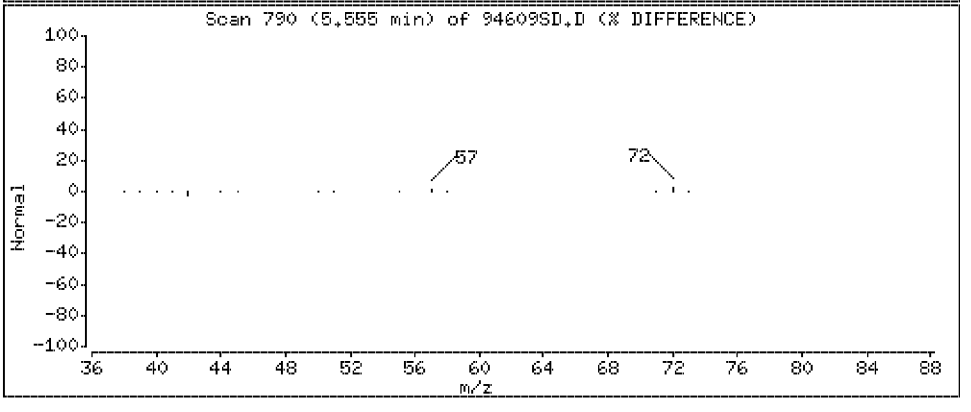












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

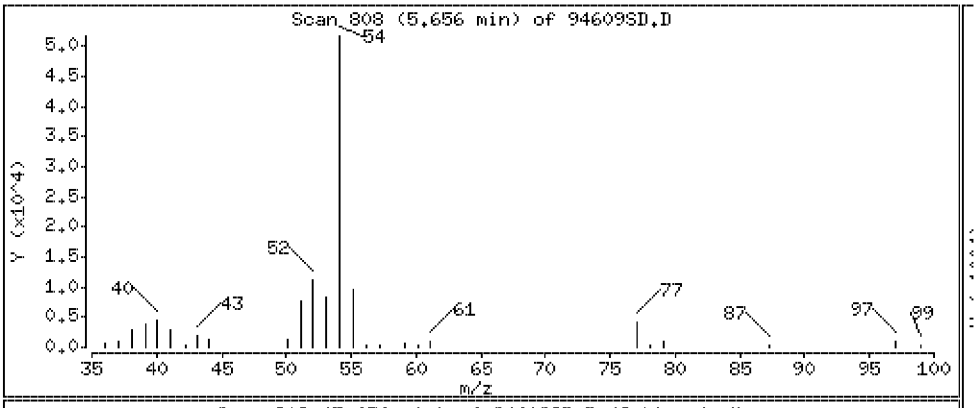
Operator:

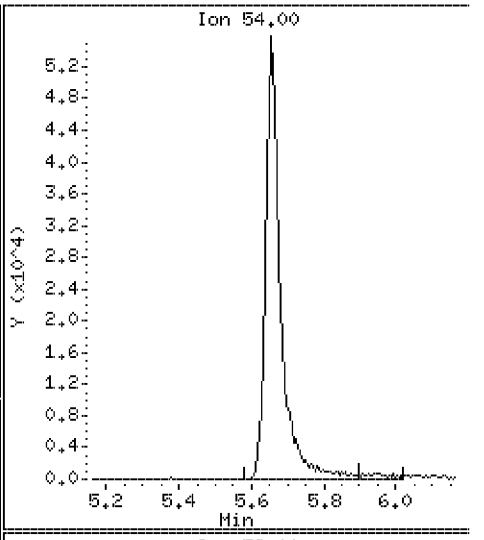
Column phase: DB-624

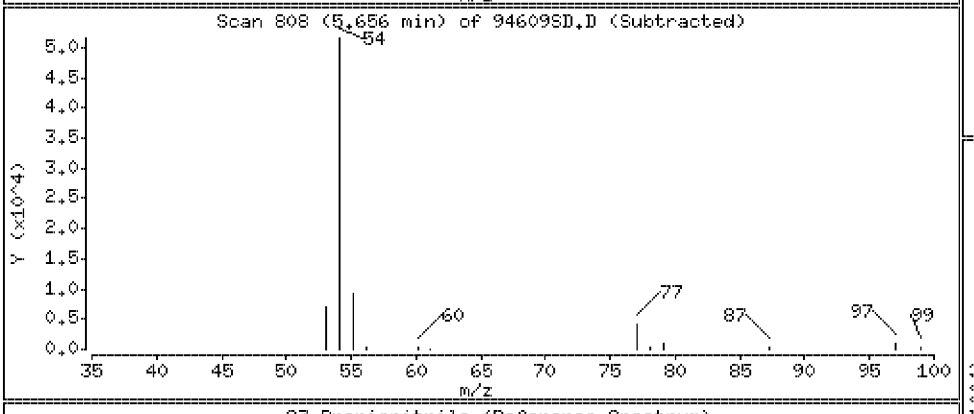
Column diameter: 0.18

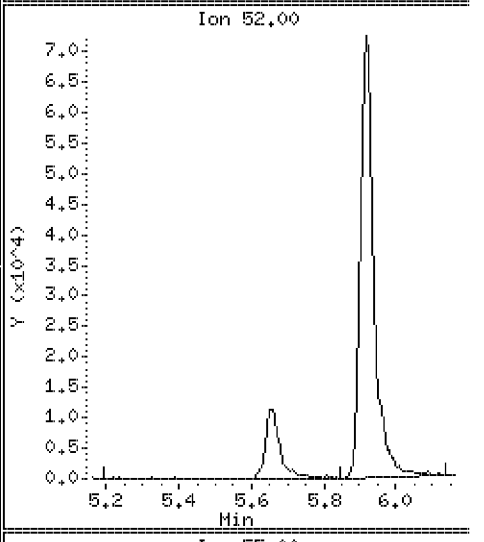
27 Propionitrile

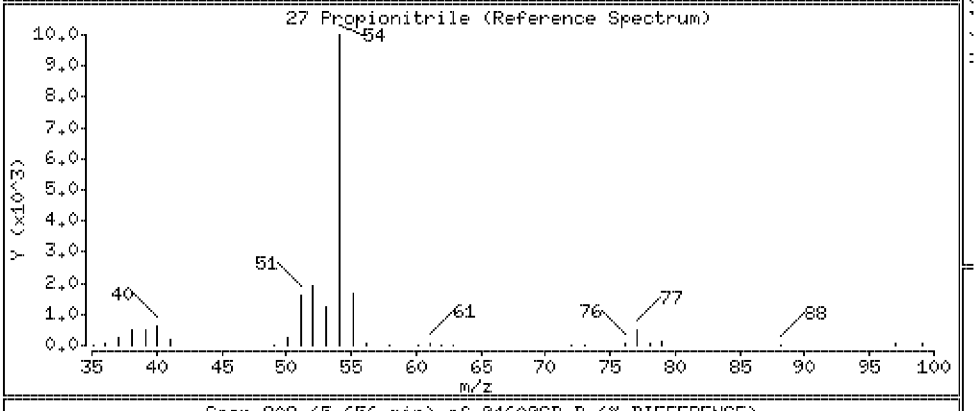
Concentration: 194 ug/l

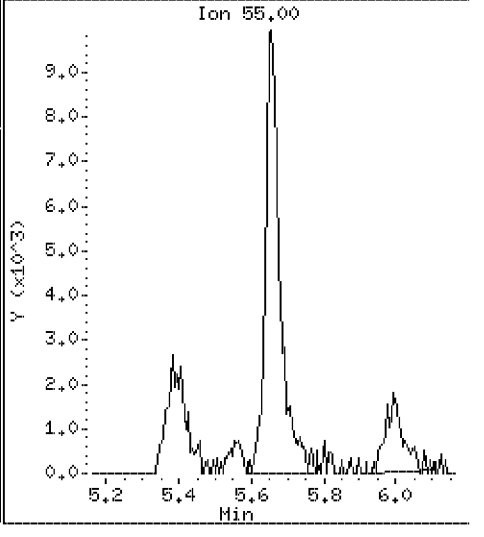


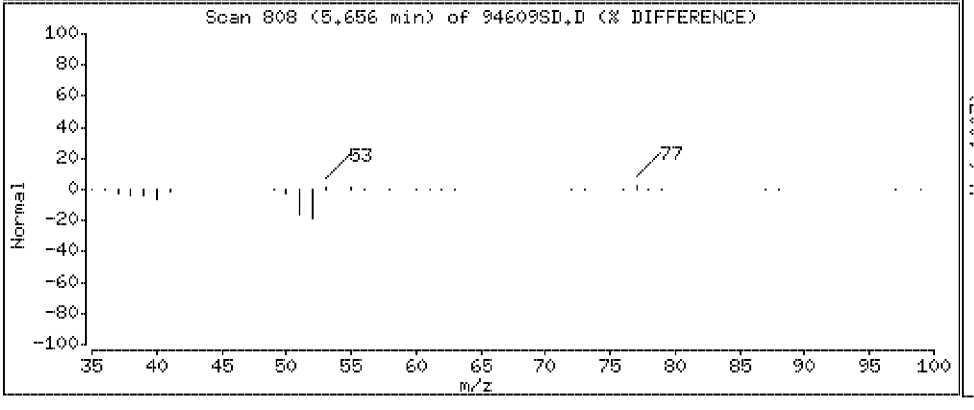












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

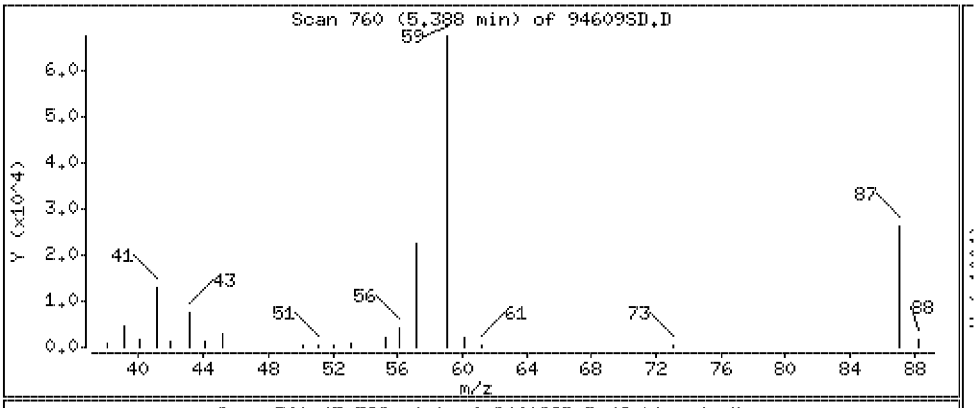
Operator:

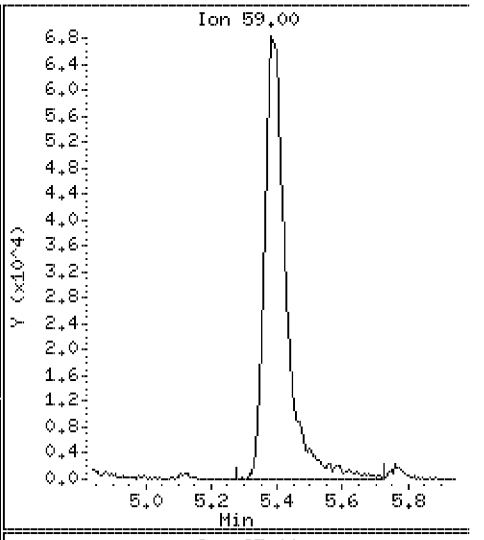
Column phase: DB-624

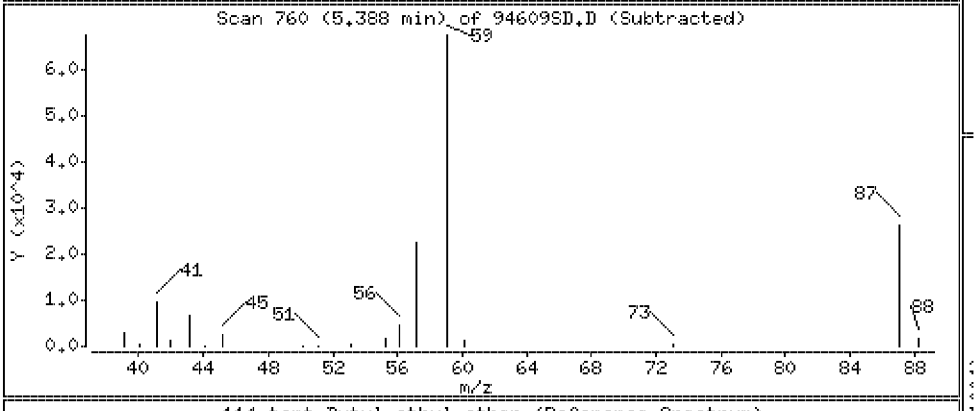
Column diameter: 0.18

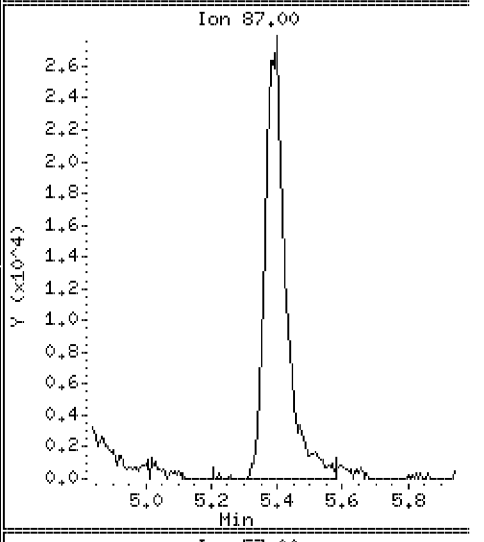
114 tert-Butyl ethyl ether

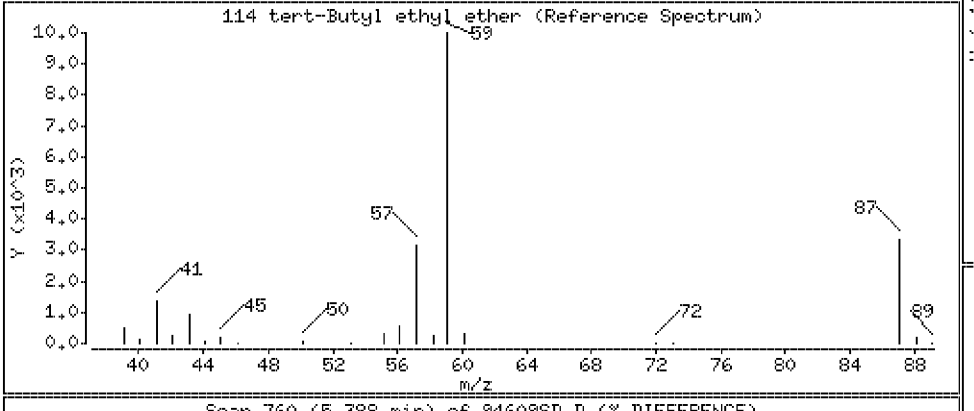
Concentration: 15.8 ug/l

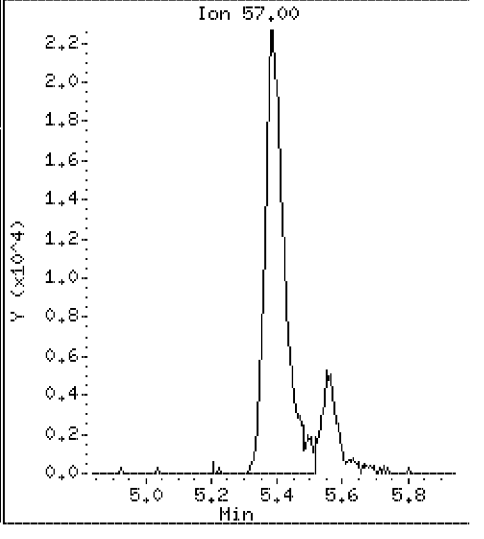


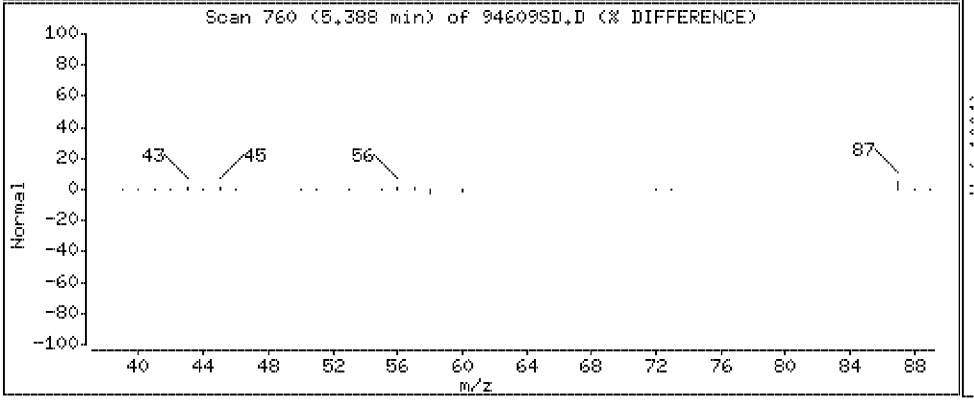












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

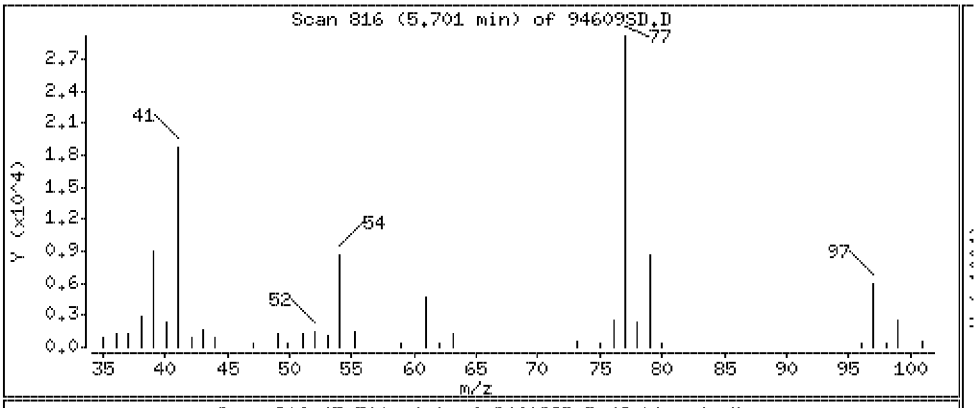
Operator:

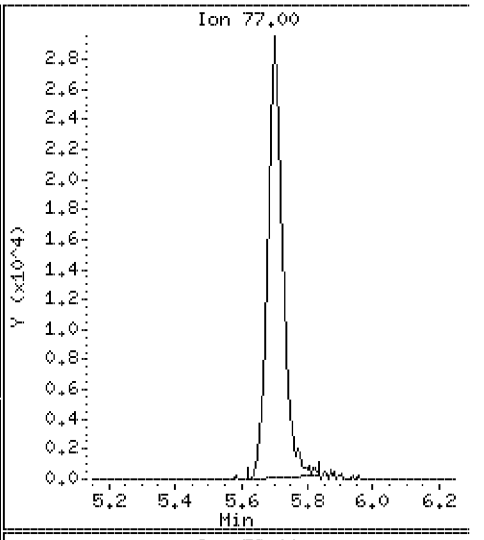
Column phase: DB-624

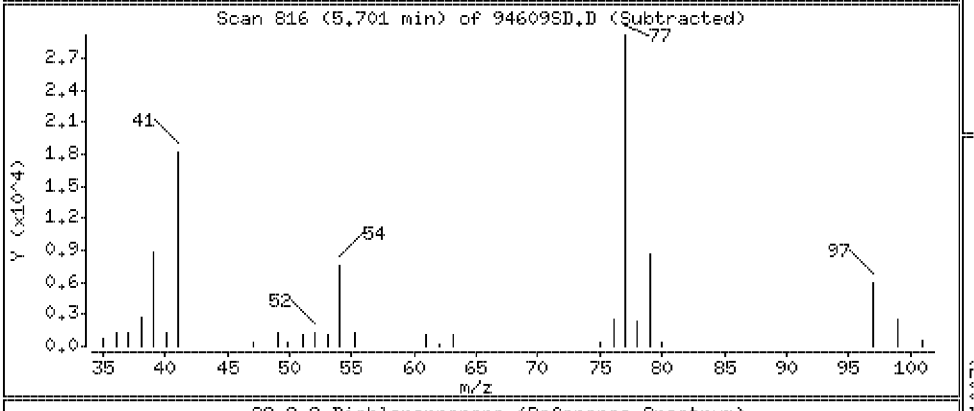
Column diameter: 0.18

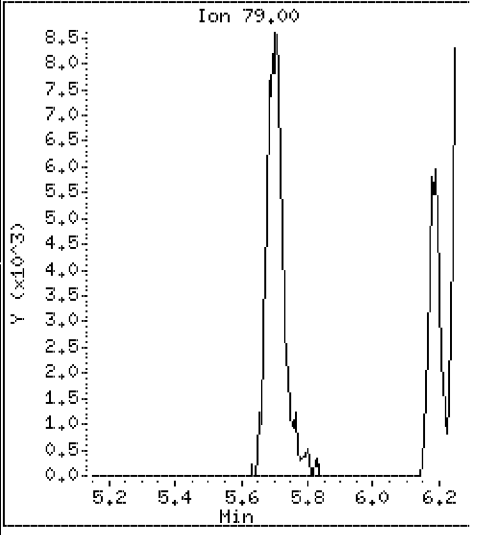
28 2,2-Dichloropropane

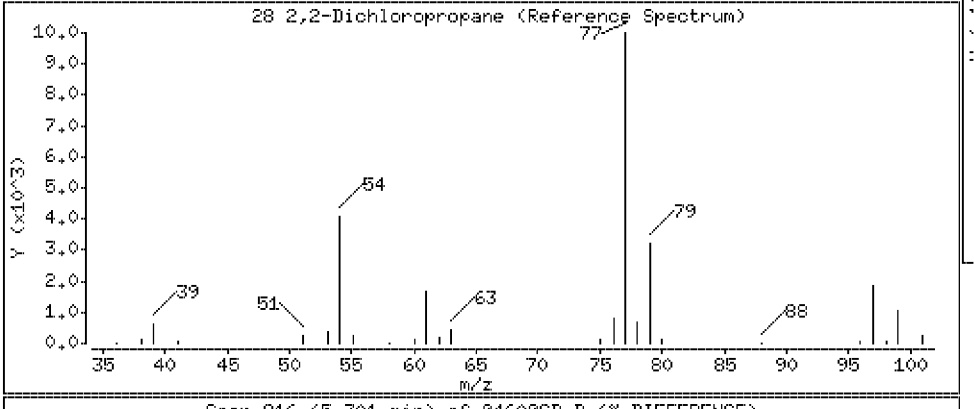
Concentration: 24.3 ug/l

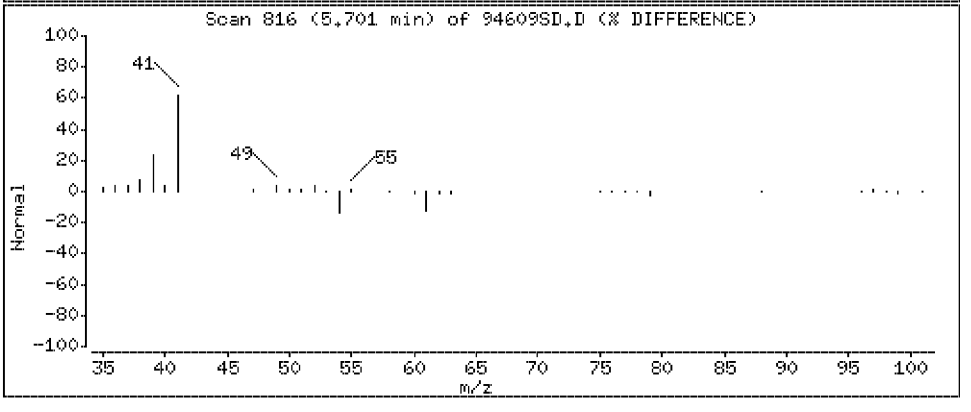












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

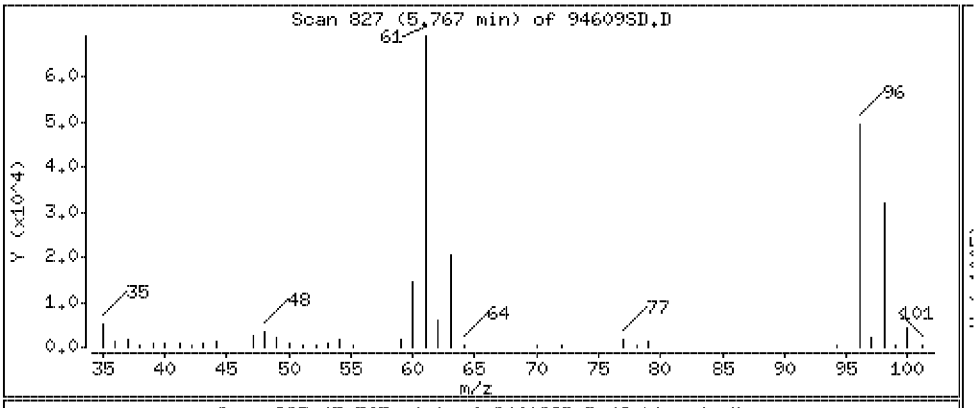
Operator:

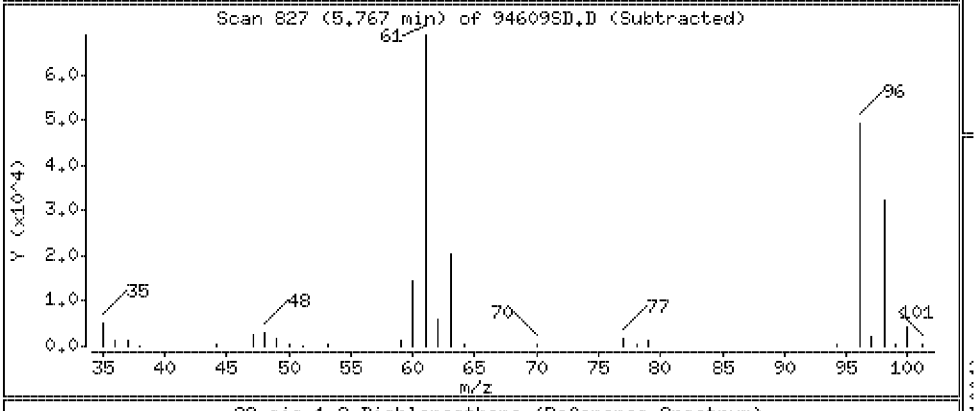
Column phase: DB-624

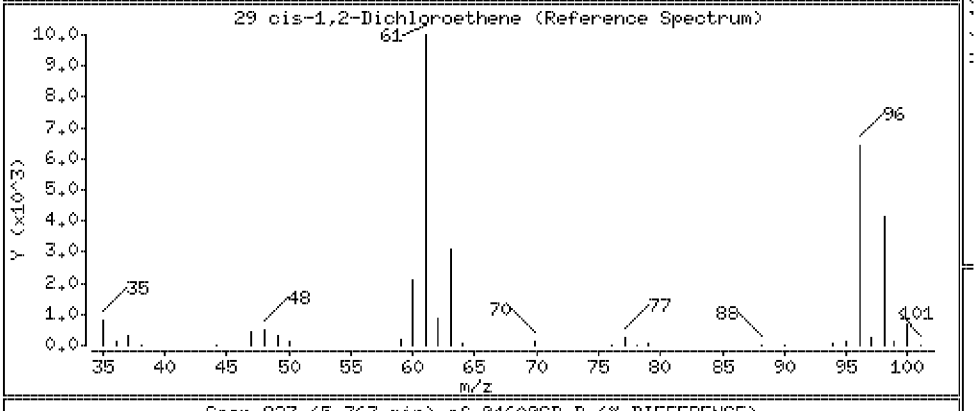
Column diameter: 0.18

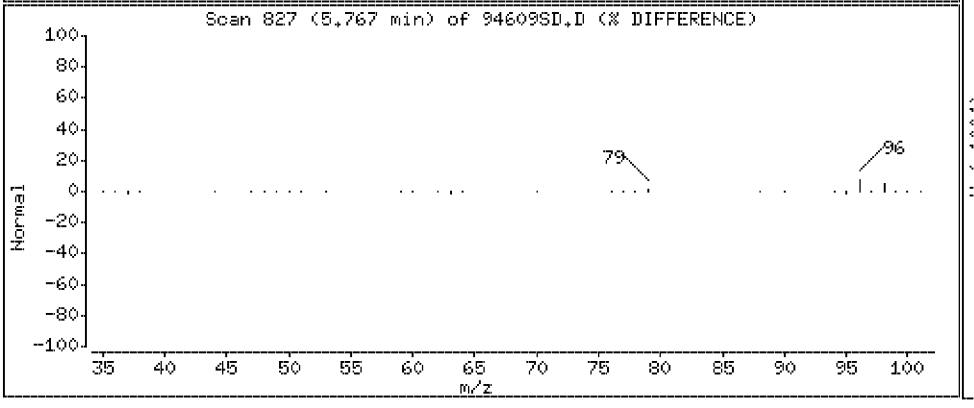
29 cis-1,2-Dichloroethene

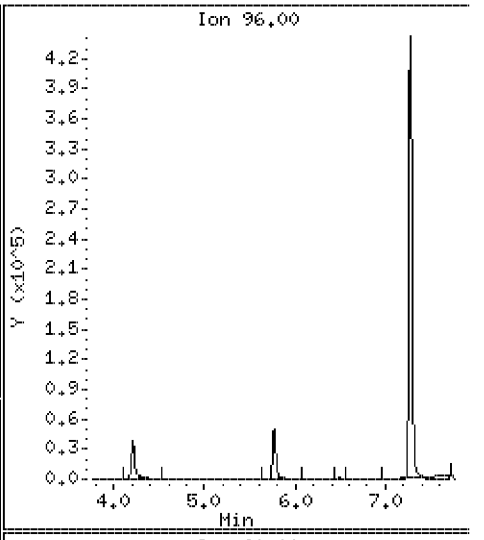
Concentration: 21.7 ug/l

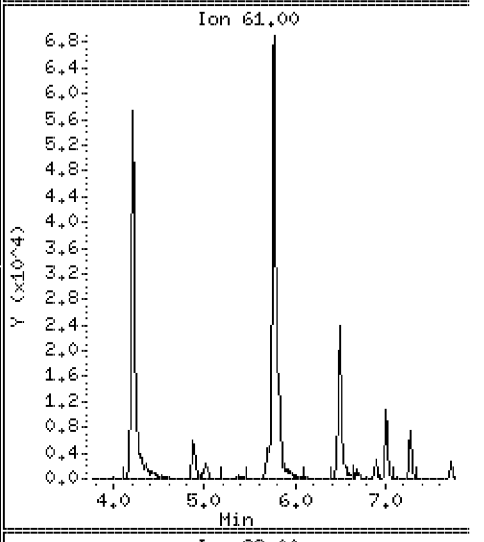


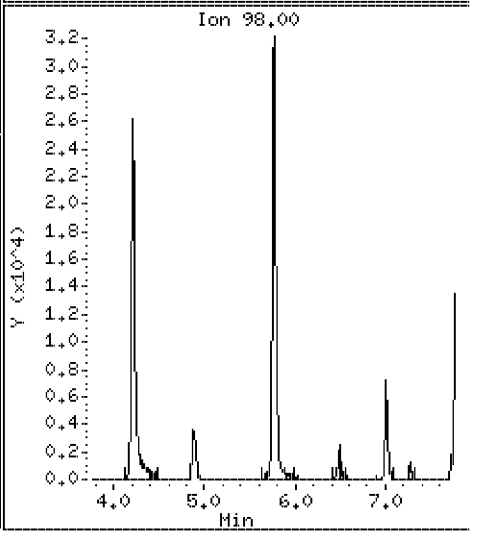












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

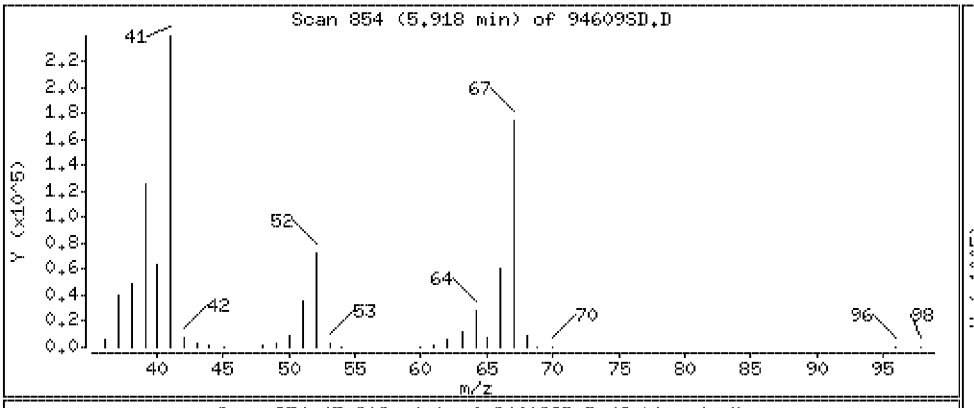
Operator:

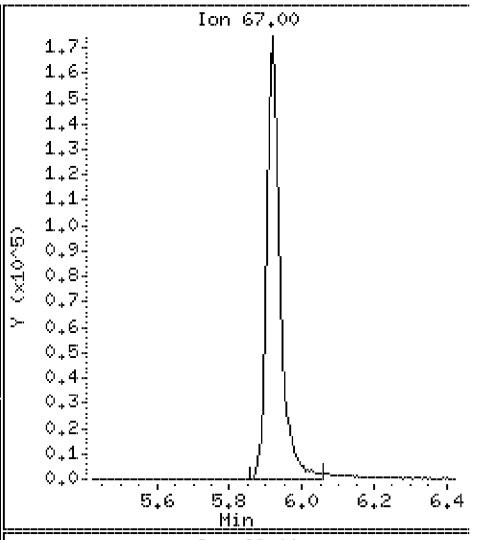
Column phase: DB-624

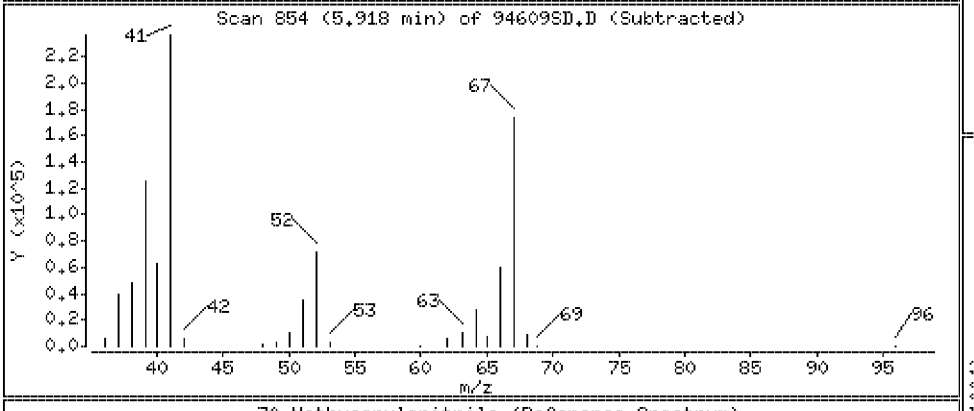
Column diameter: 0.18

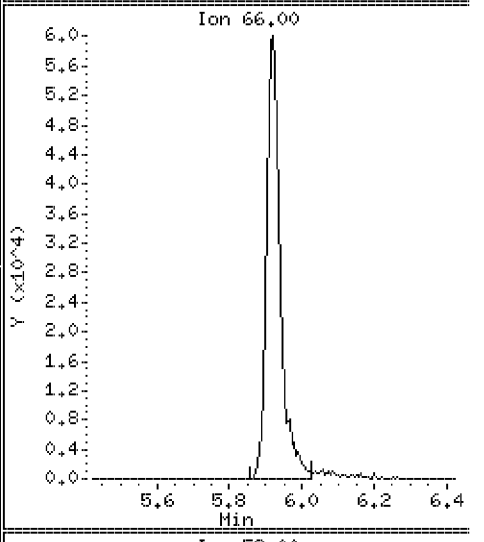
30 Methyacrylonitrile

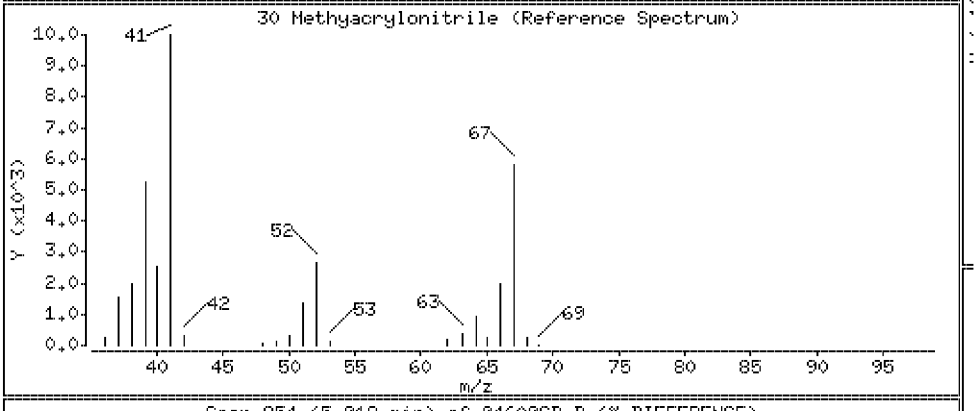
Concentration: 212 ug/l

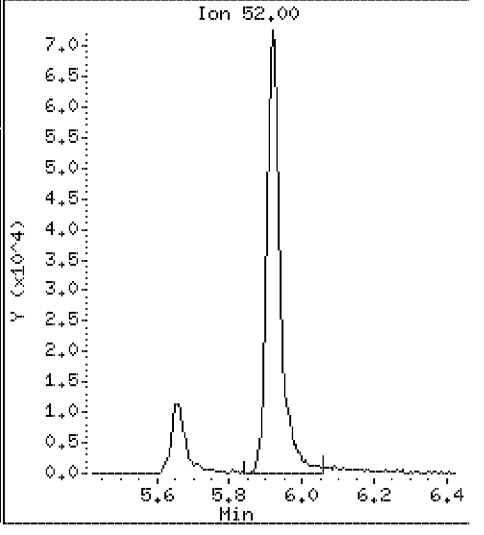


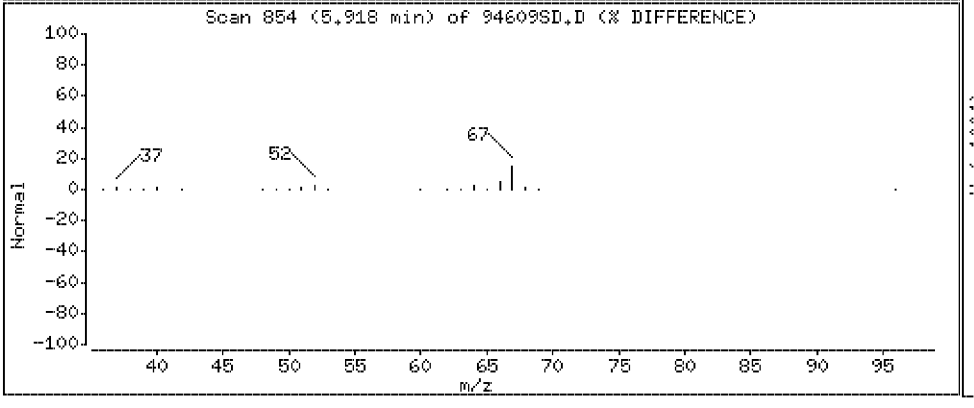












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

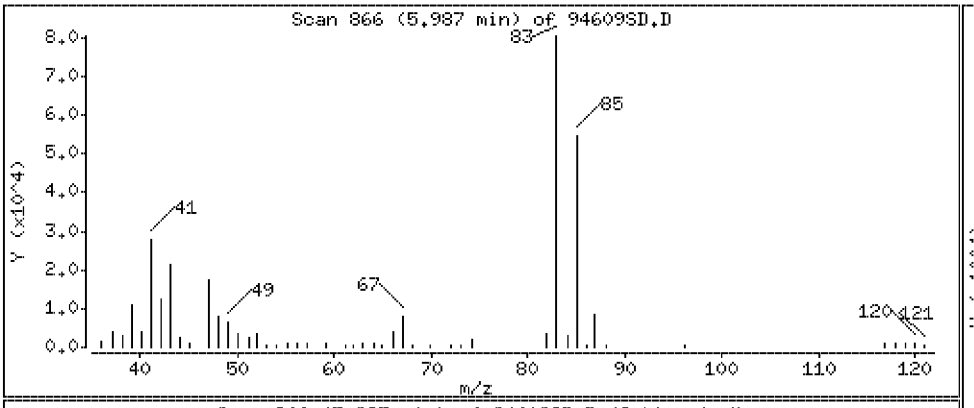
Operator:

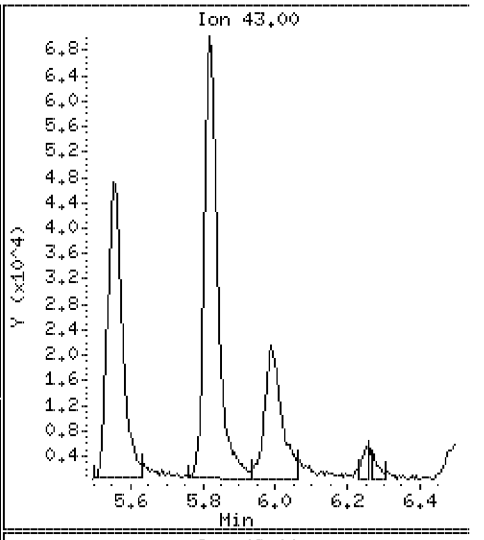
Column phase: DB-624

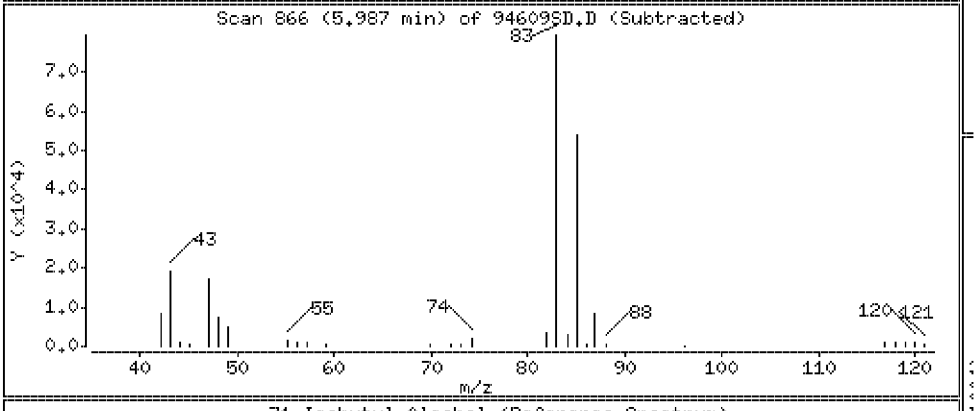
Column diameter: 0.18

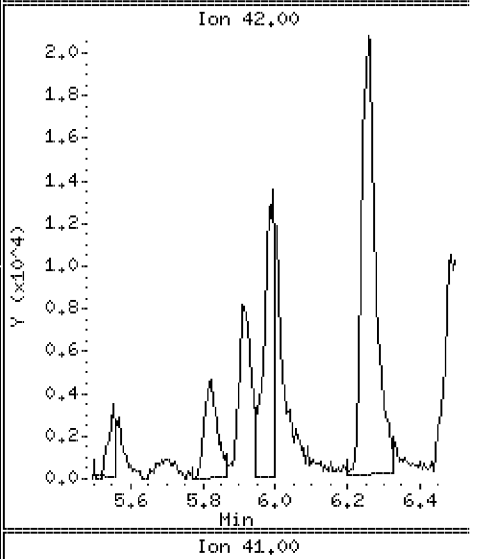
31 Isobutyl Alcohol

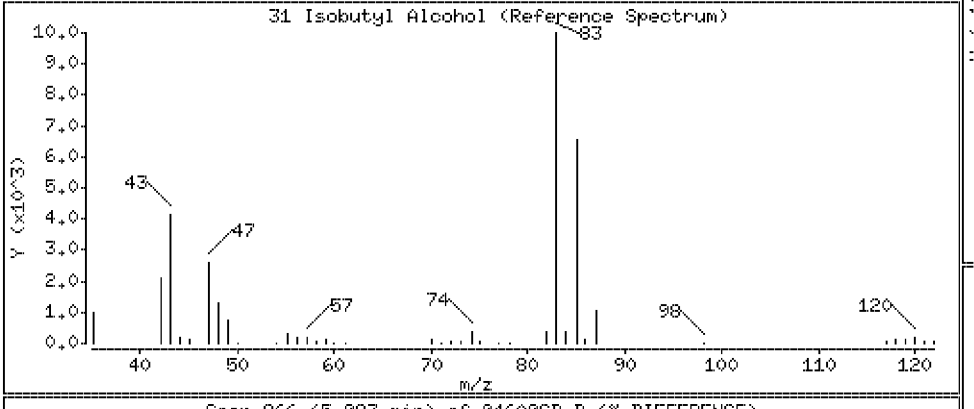
Concentration: 317 ug/l

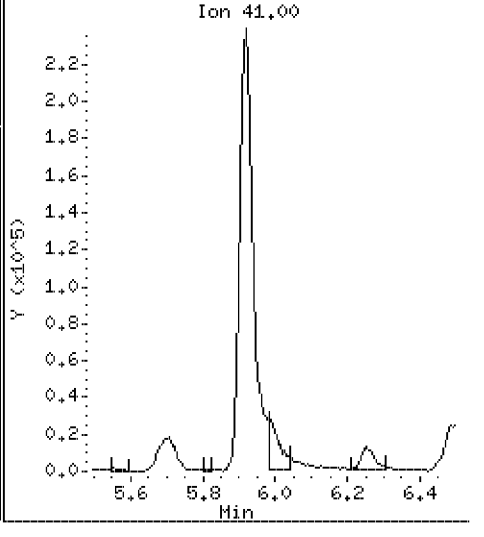


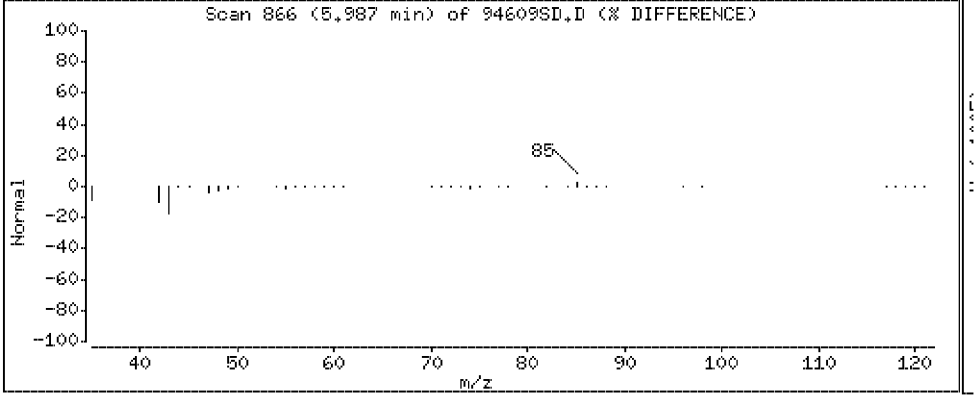












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

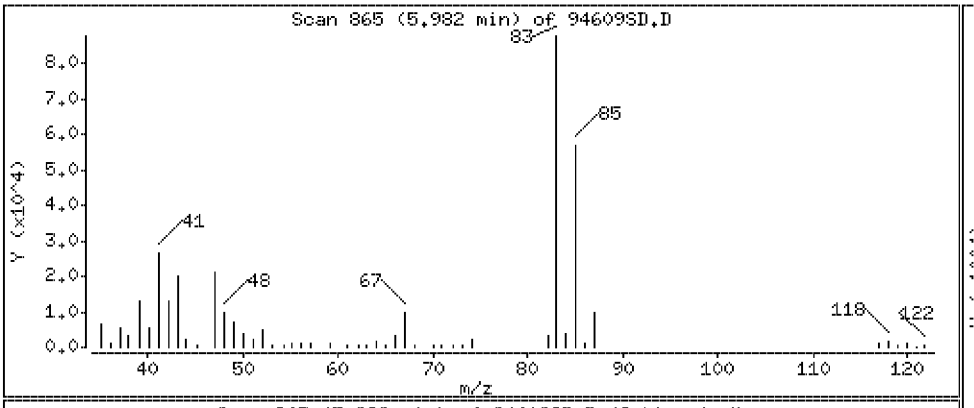
Operator:

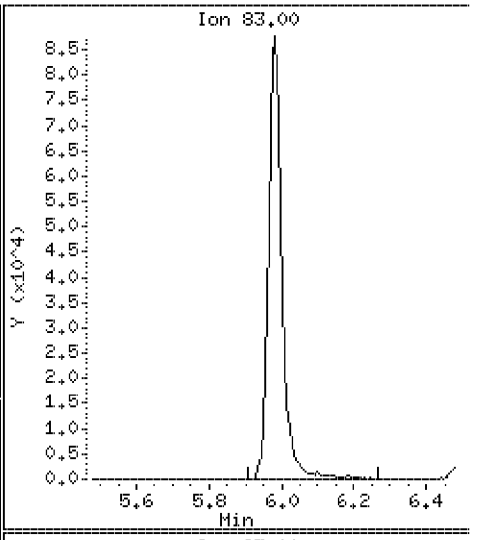
Column phase: DB-624

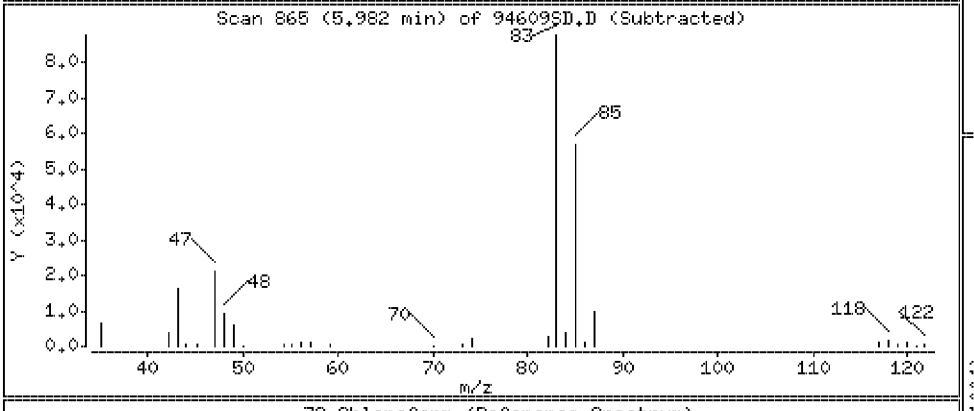
Column diameter: 0.18

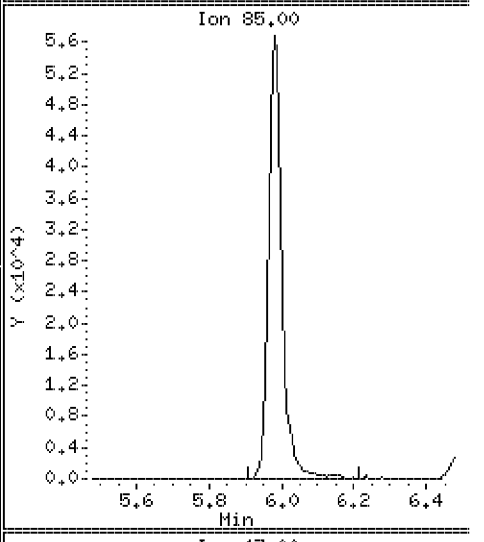
32 Chloroform

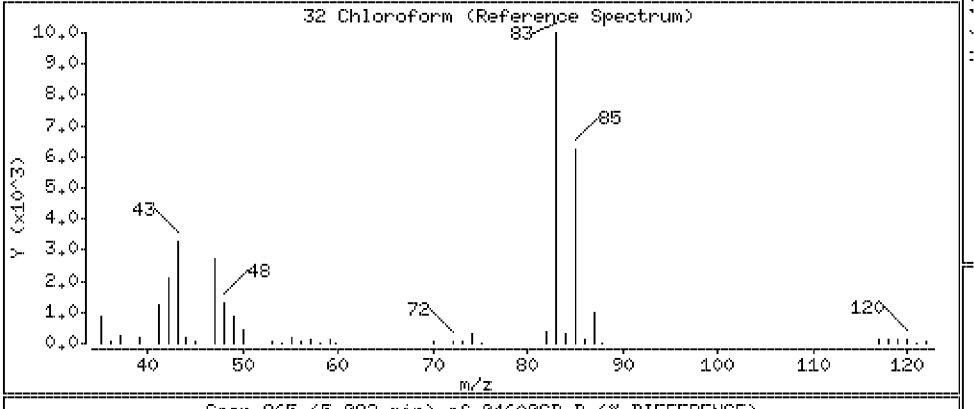
Concentration: 22.1 ug/l

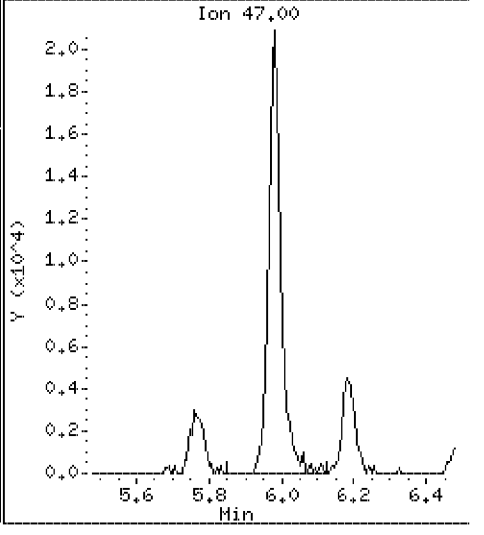


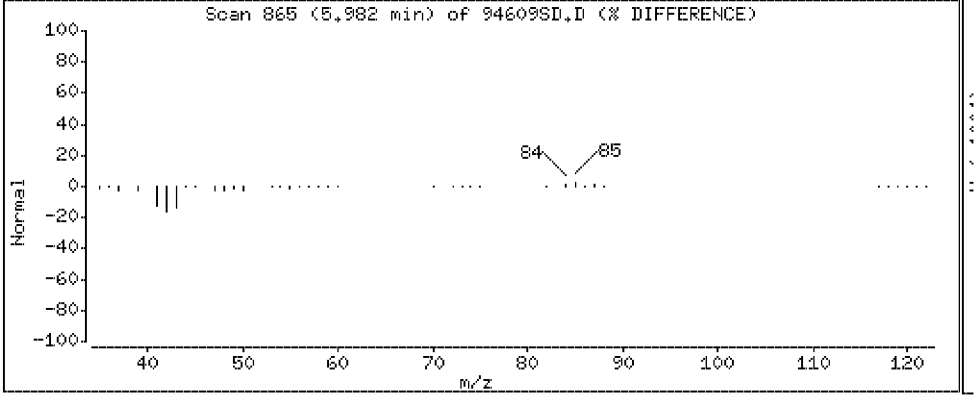












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

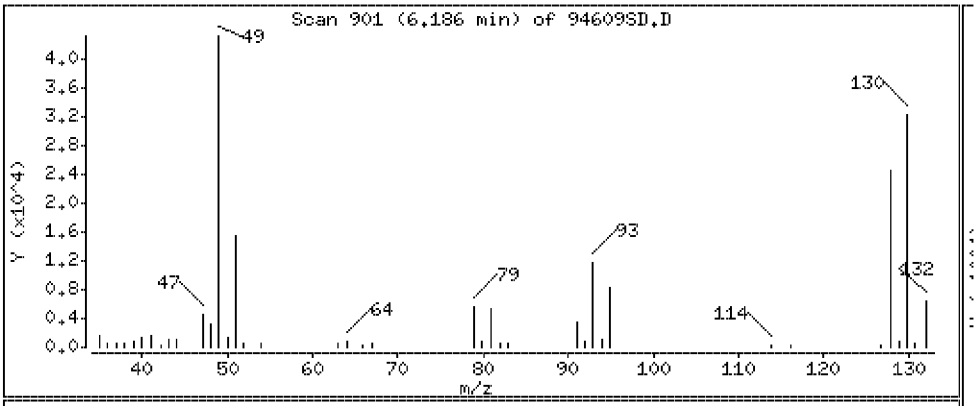
Operator:

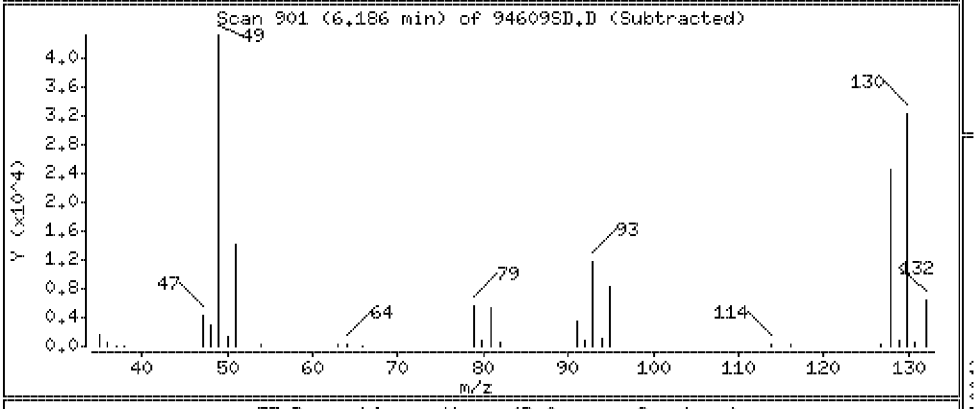
Column phase: DB-624

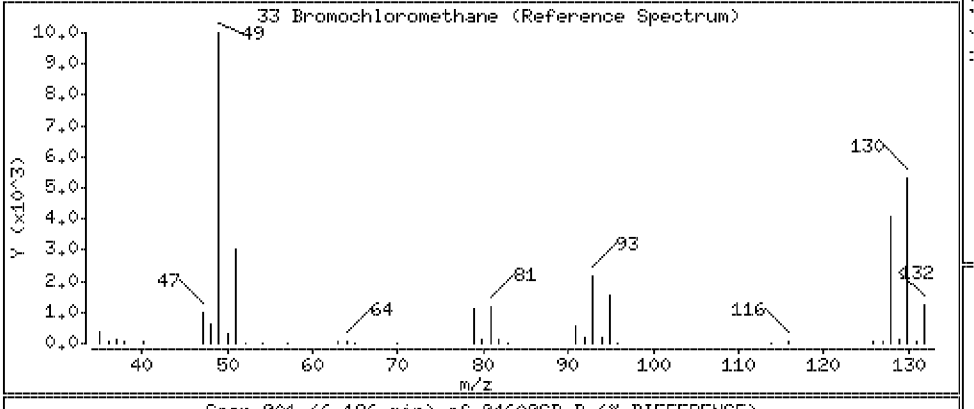
Column diameter: 0.18

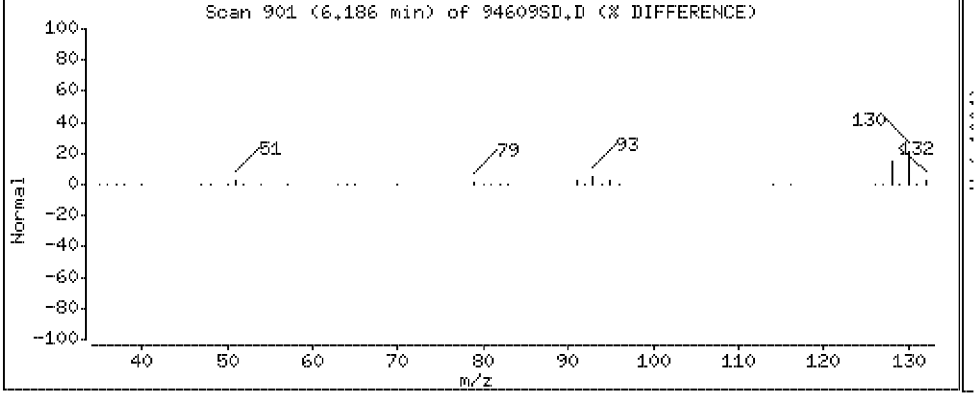
33 Bromochloromethane

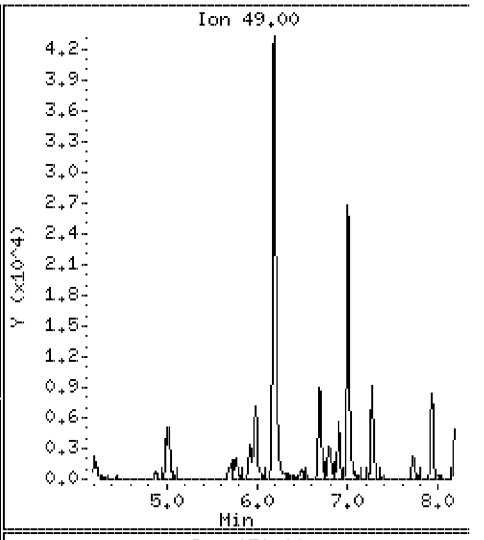
Concentration: 19.0 ug/l

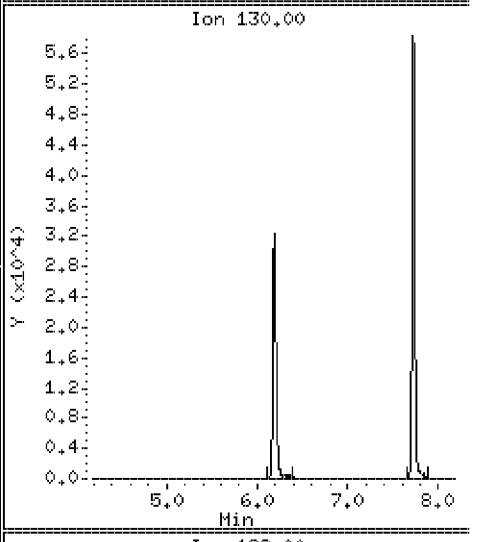


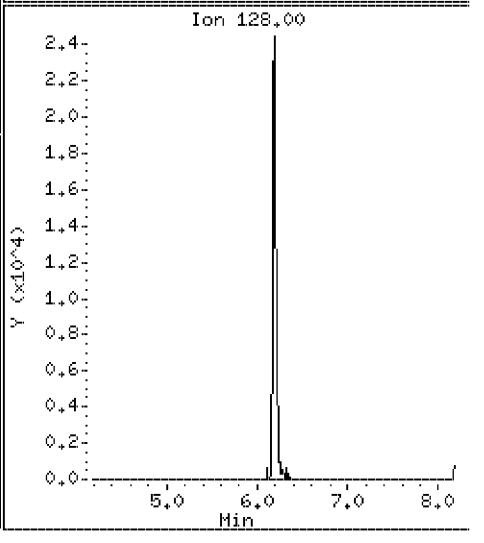












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

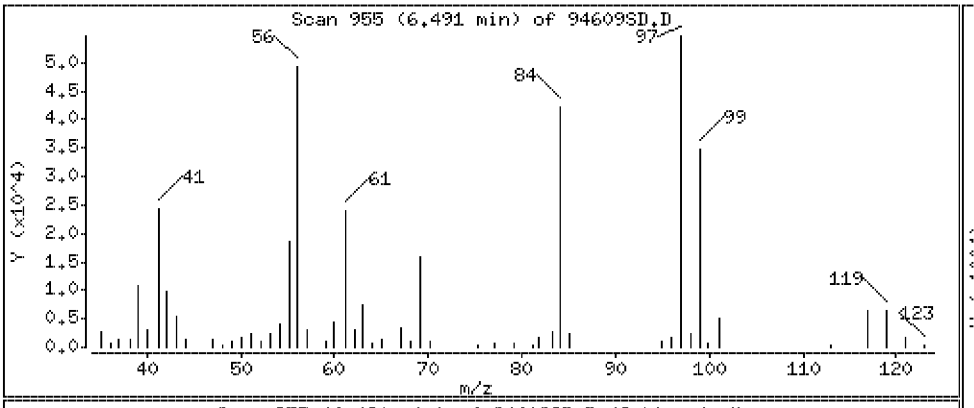
Operator:

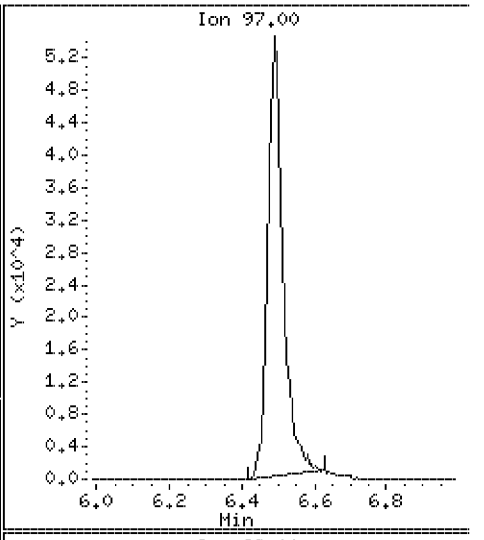
Column phase: DB-624

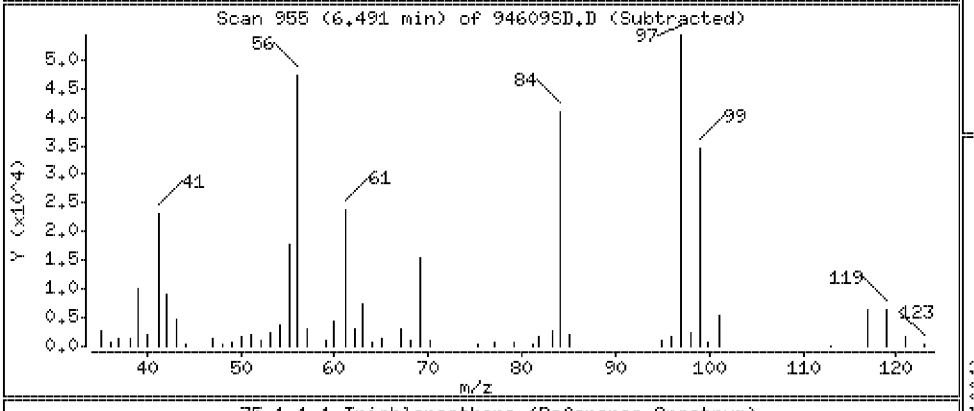
Column diameter: 0.18

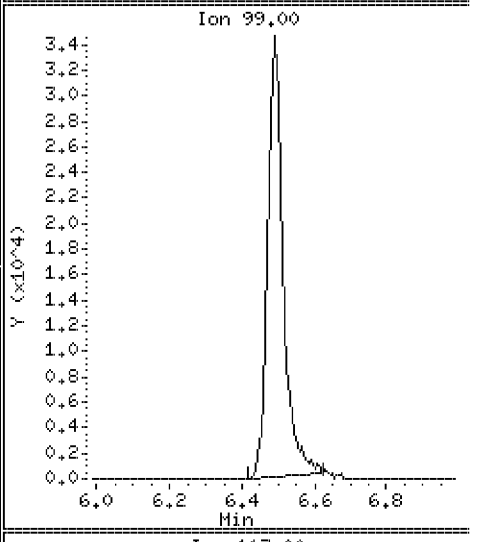
35 1,1,1-Trichloroethane

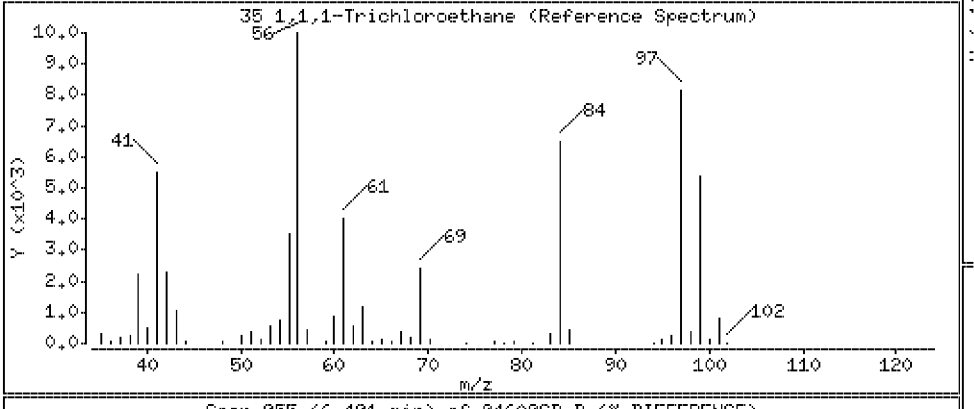
Concentration: 23.3 ug/l

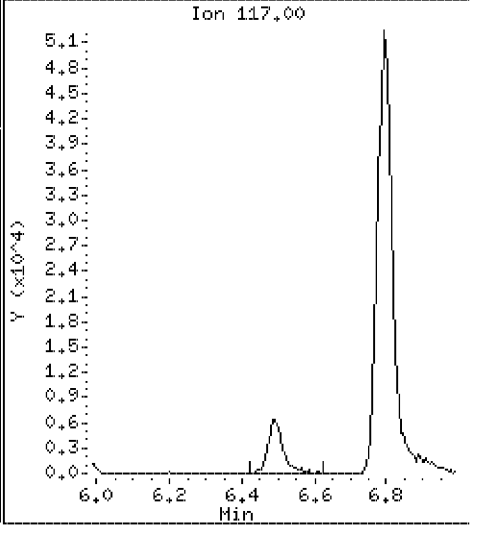


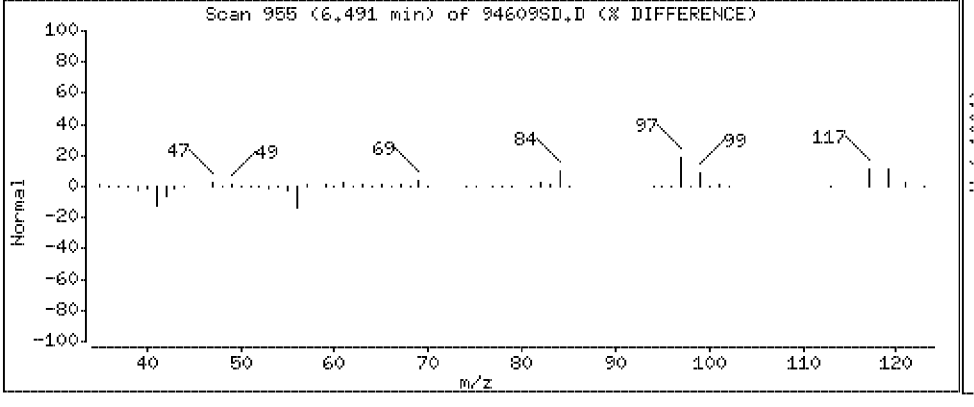












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

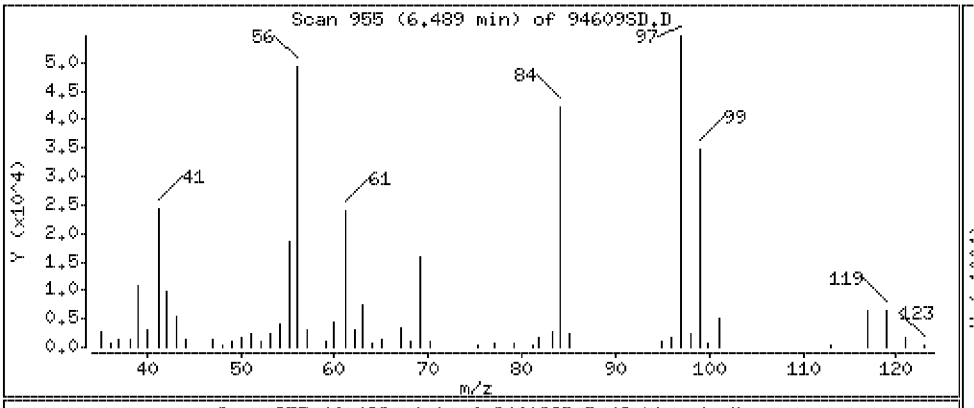
Operator:

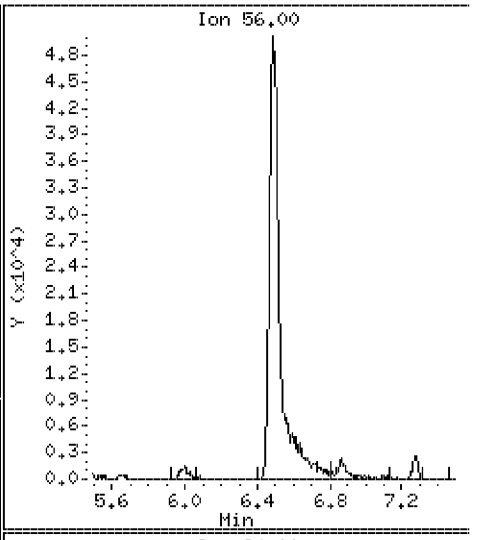
Column phase: DB-624

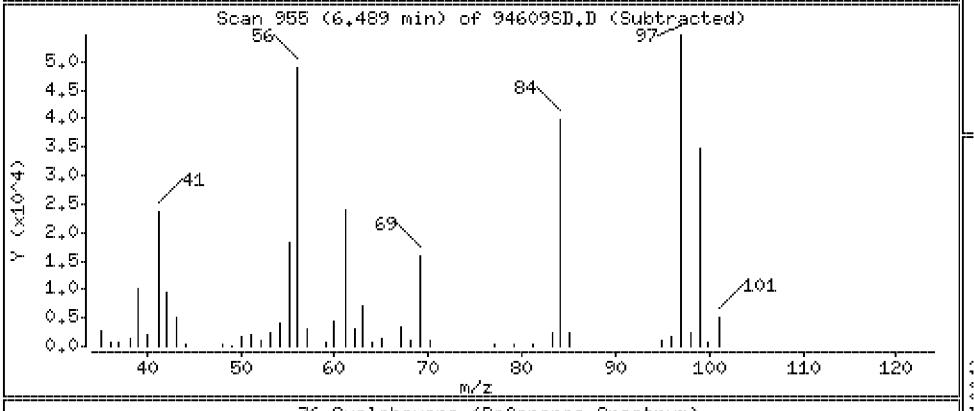
Column diameter: 0.18

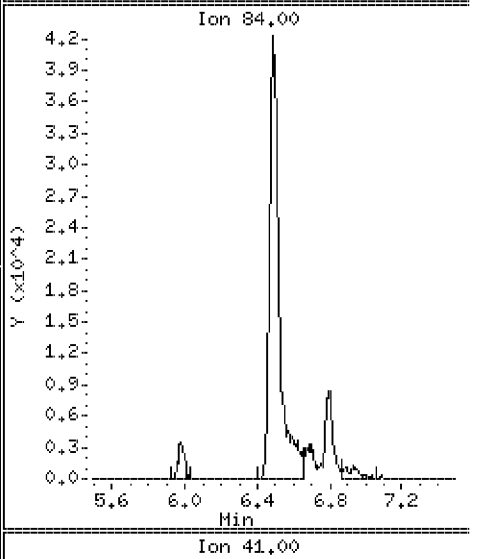
36 Cyclohexane

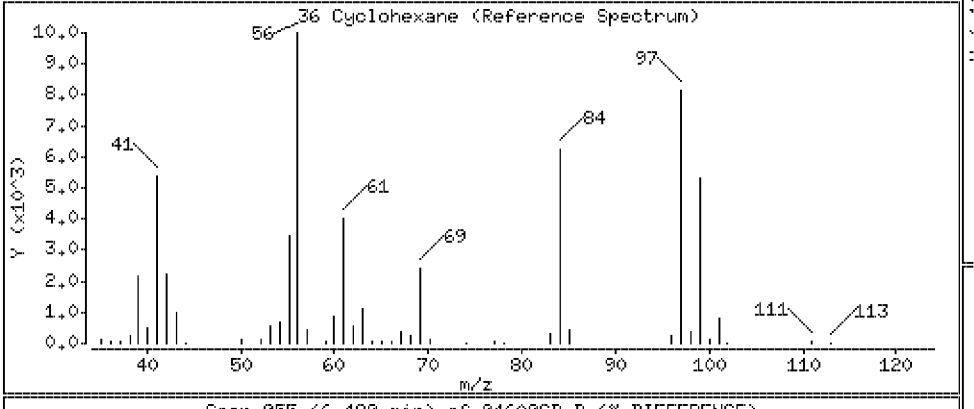
Concentration: 19.6 ug/l

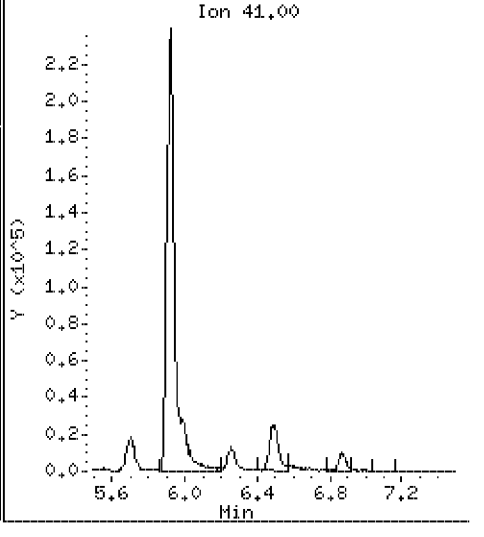


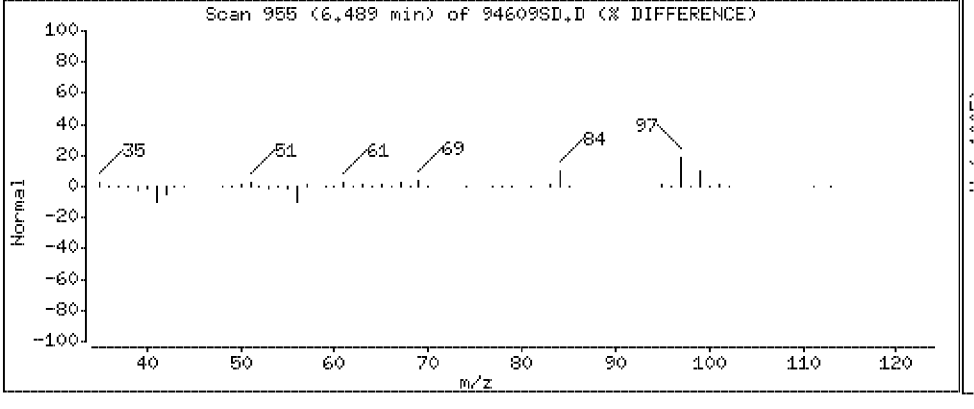












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

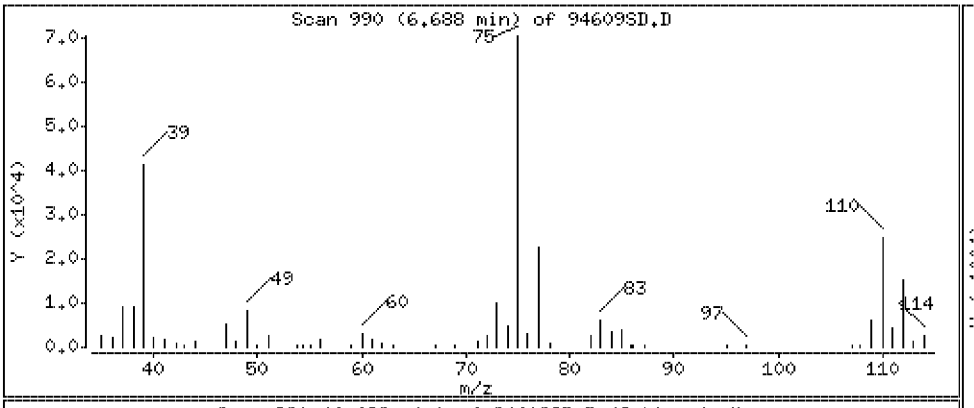
Operator:

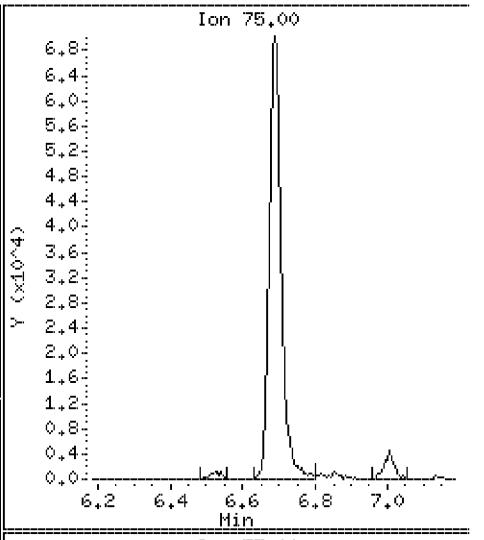
Column phase: DB-624

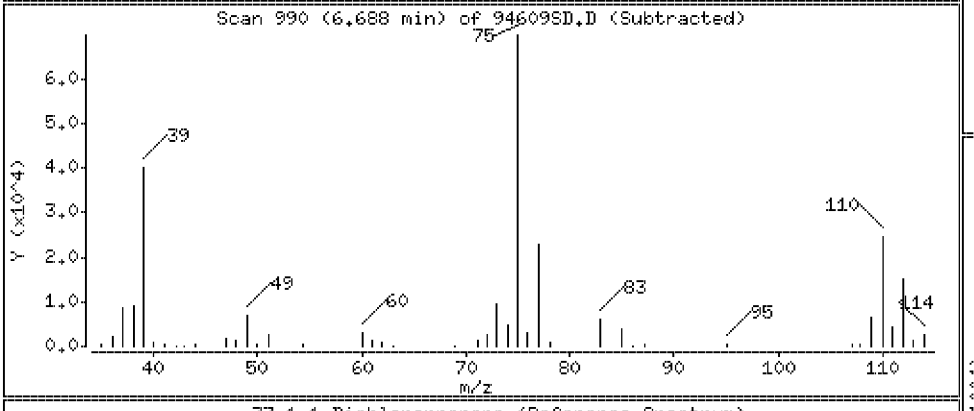
Column diameter: 0.18

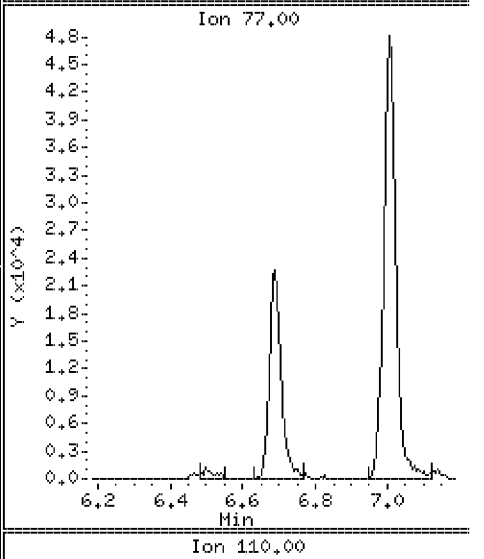
37 1,1-Dichloropropene

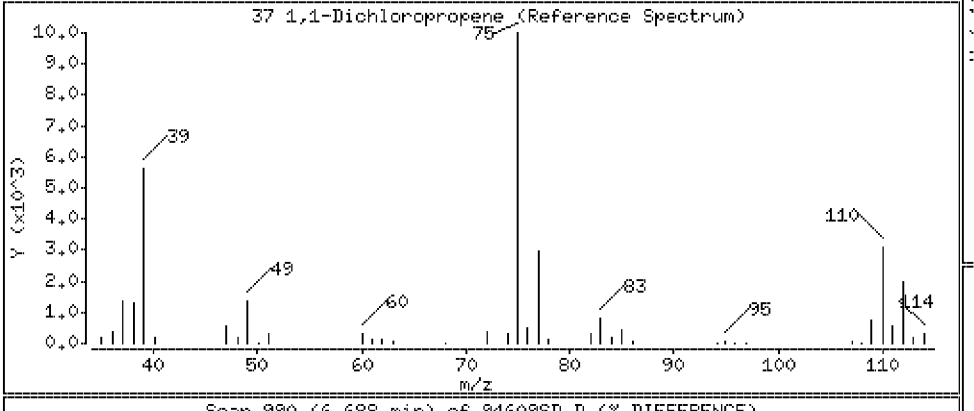
Concentration: 21.8 ug/l

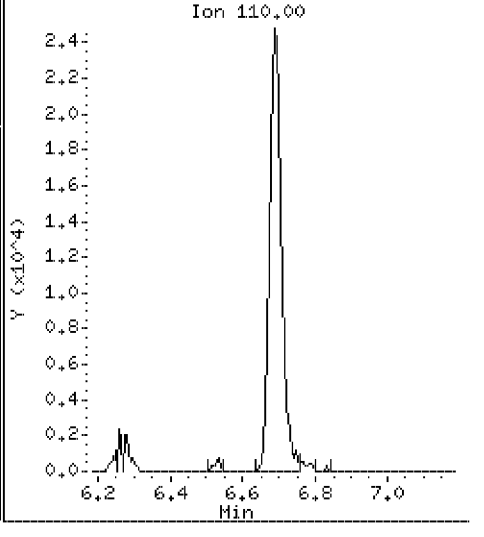


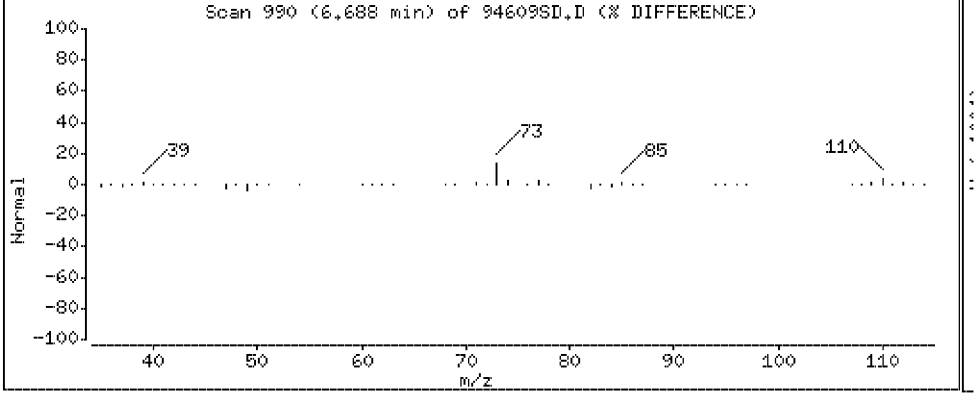












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

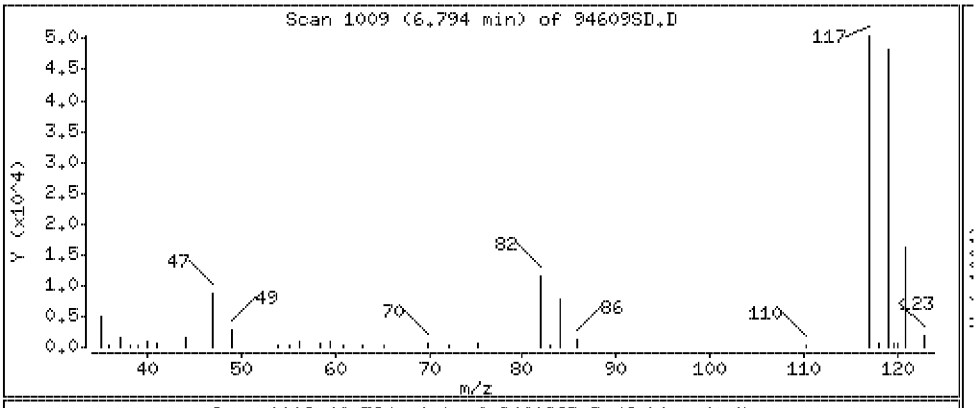
Operator:

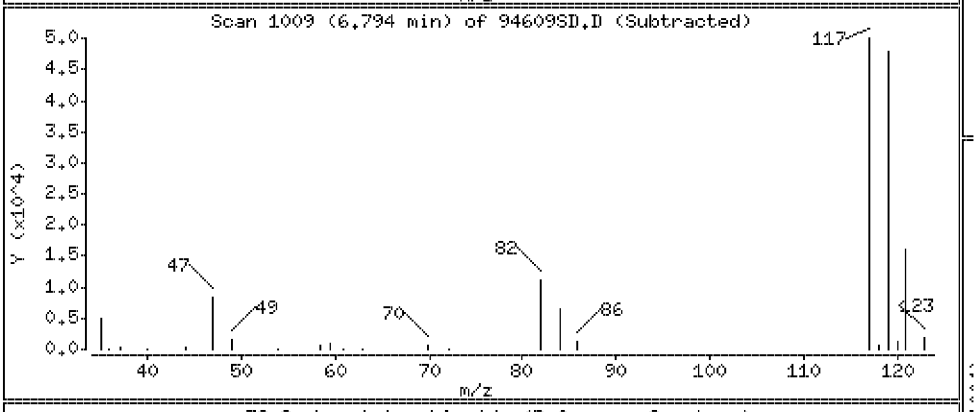
Column phase: DB-624

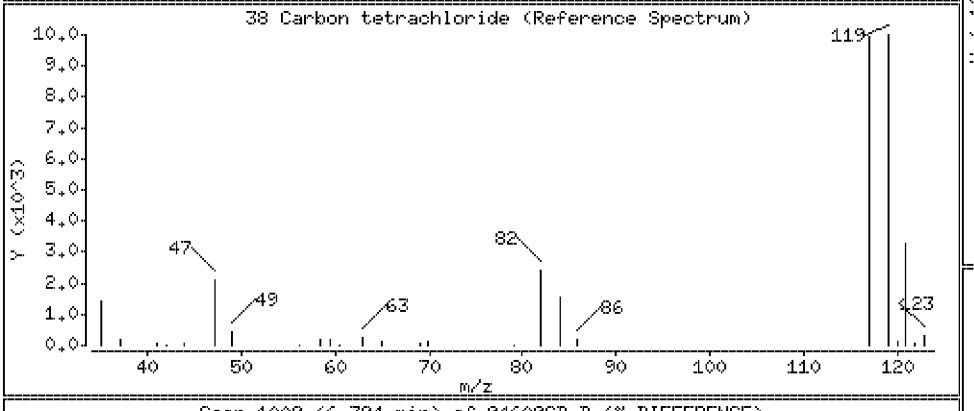
Column diameter: 0.18

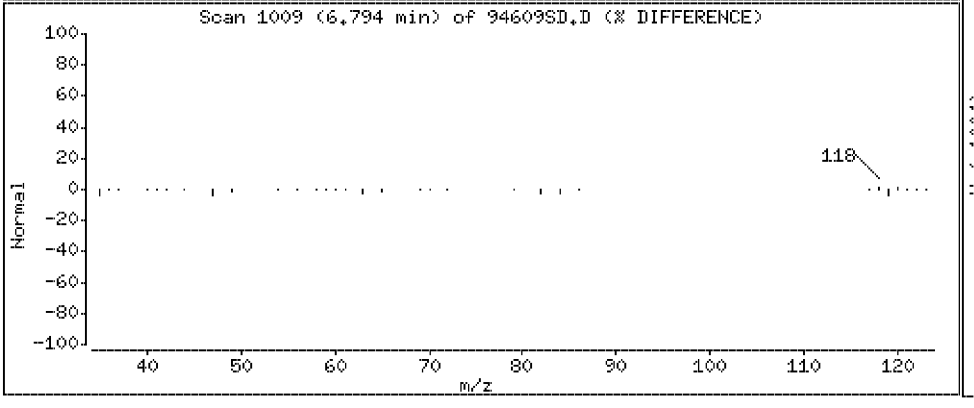
38 Carbon tetrachloride

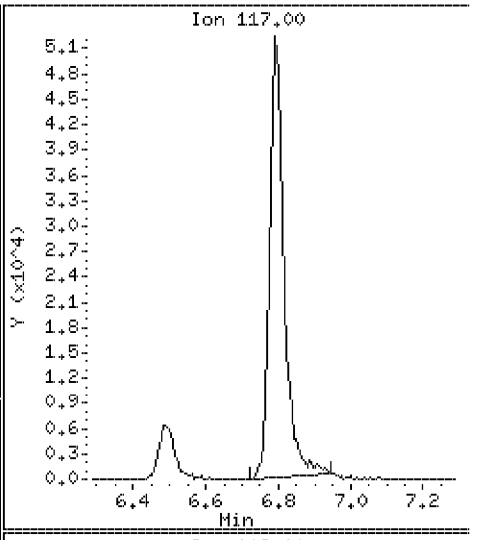
Concentration: 23.0 ug/l

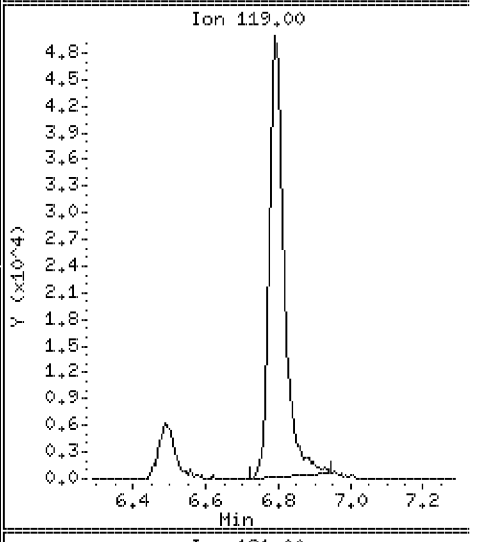


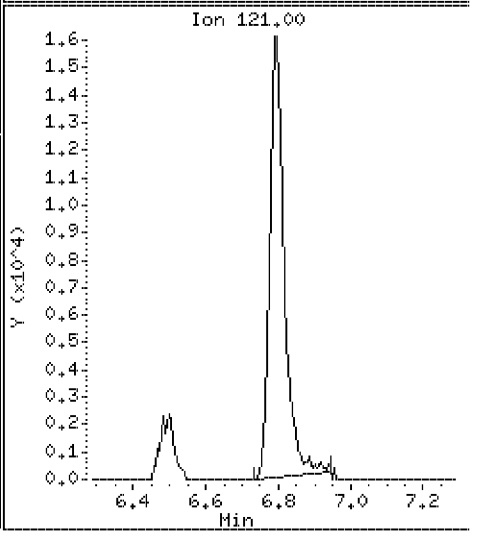












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

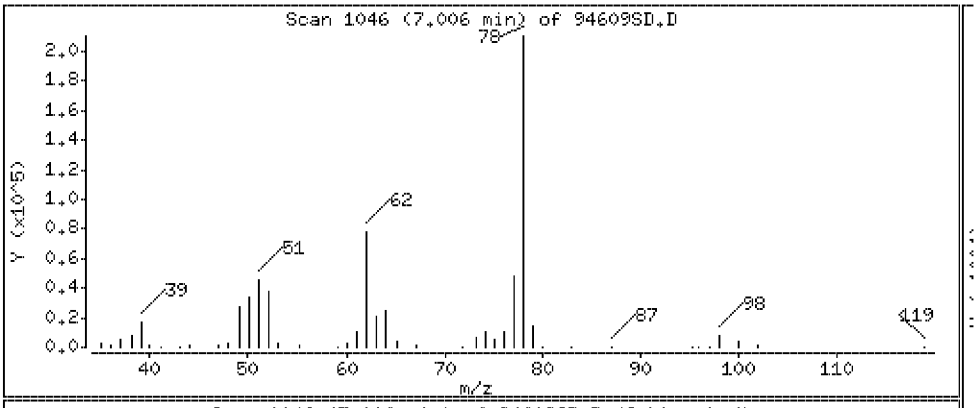
Operator:

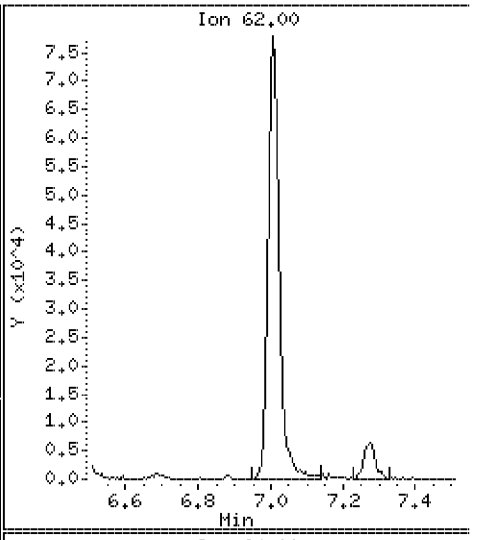
Column phase: DB-624

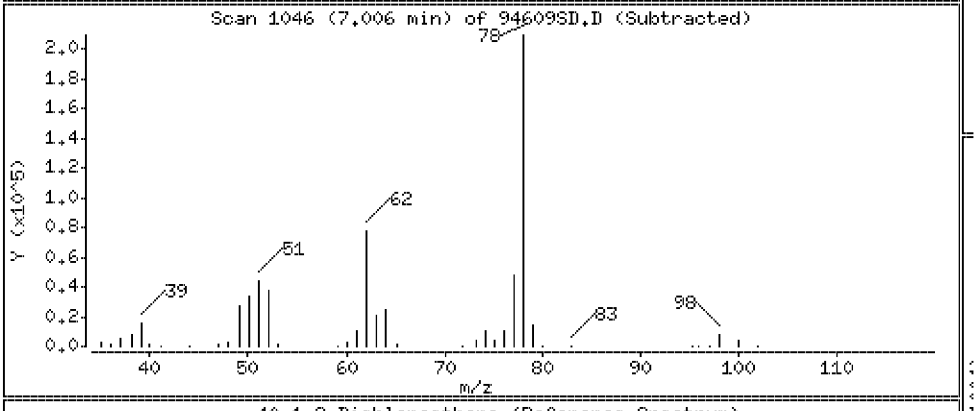
Column diameter: 0.18

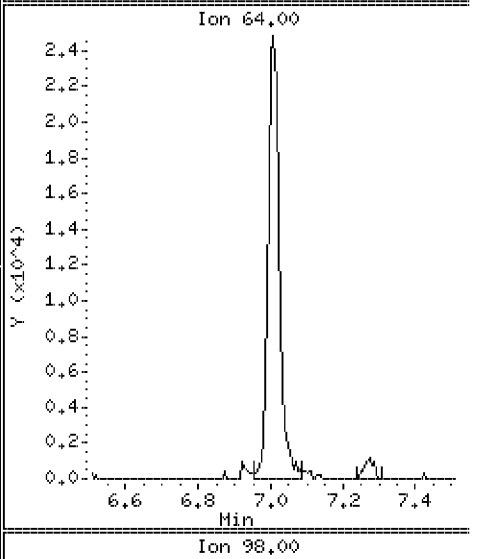
40 1,2-Dichloroethane

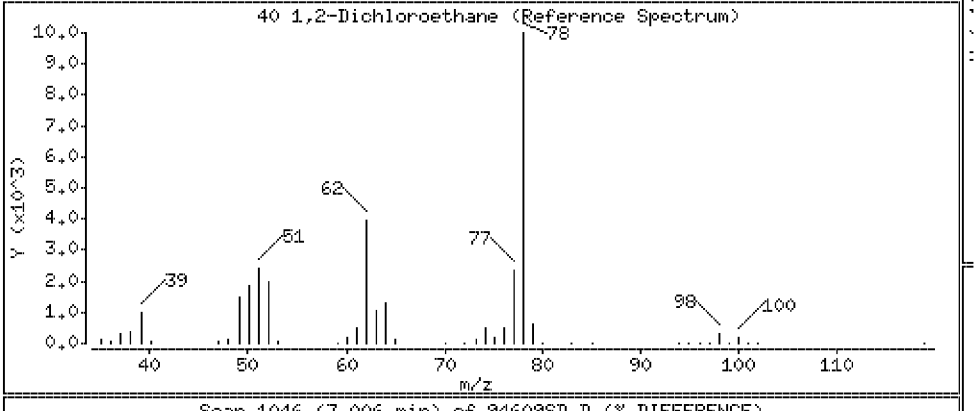
Concentration: 22.0 ug/l

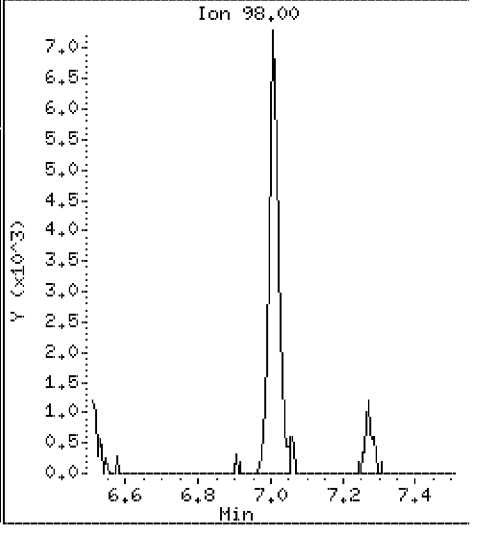


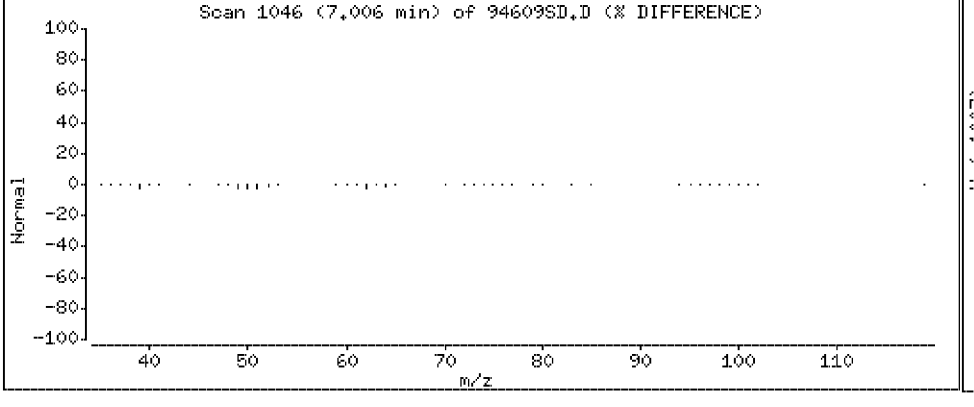












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

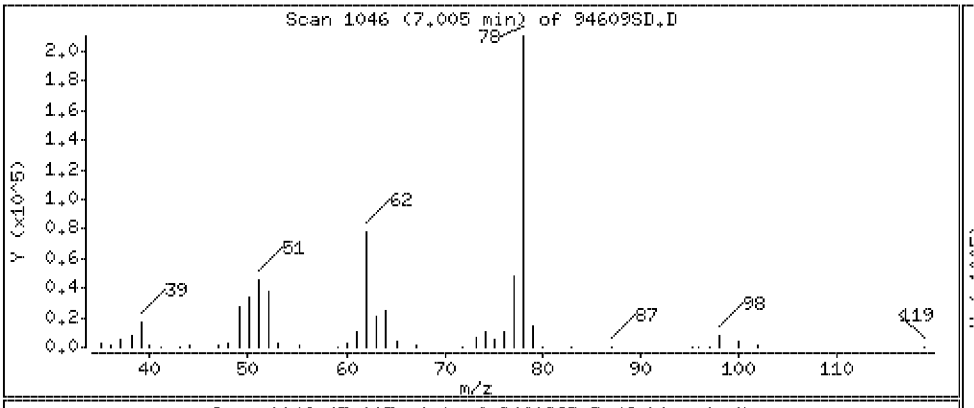
Operator:

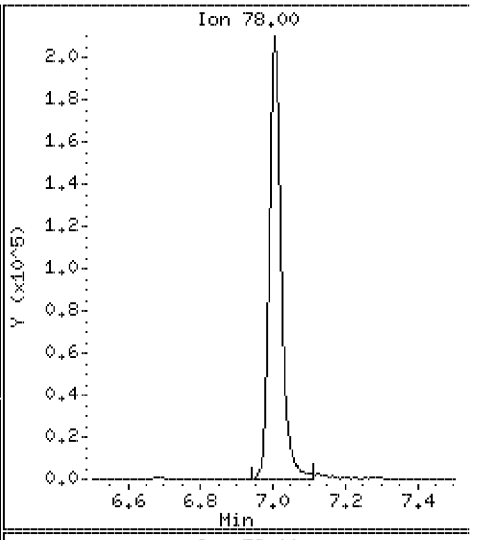
Column phase: DB-624

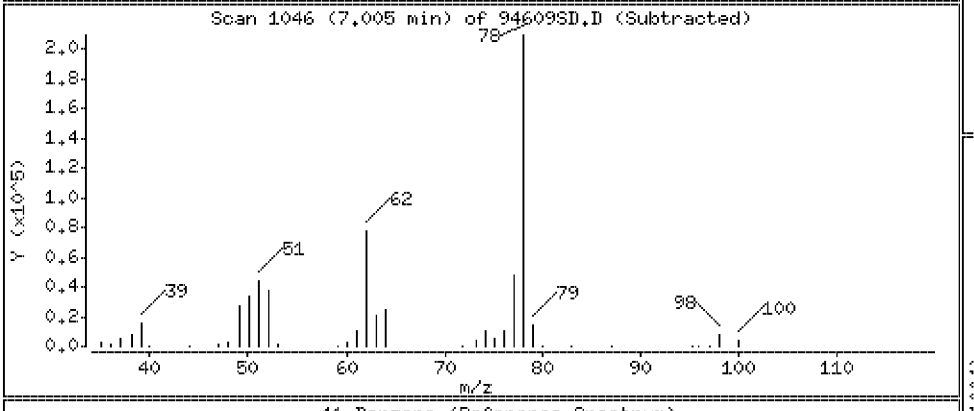
Column diameter: 0.18

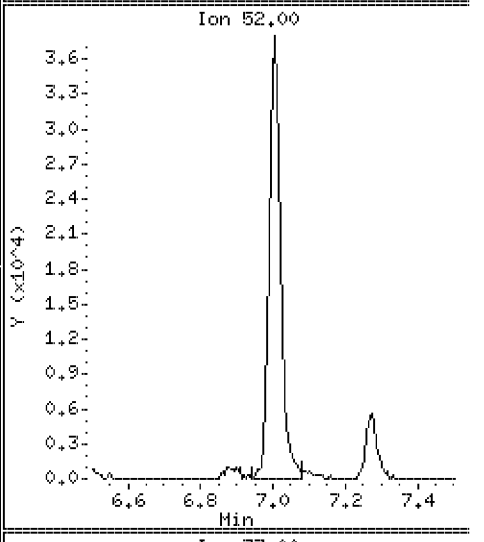
41 Benzene

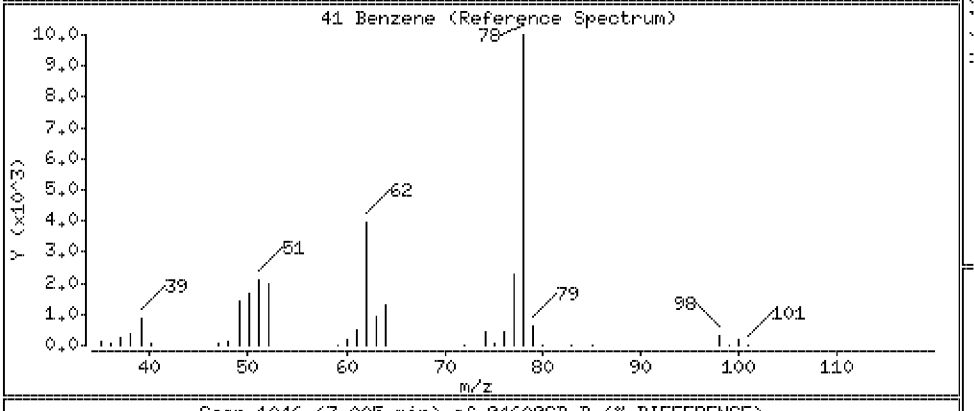
Concentration: 20.8 ug/l

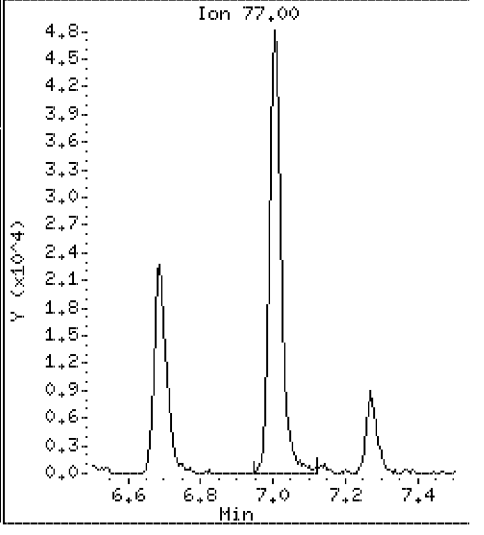


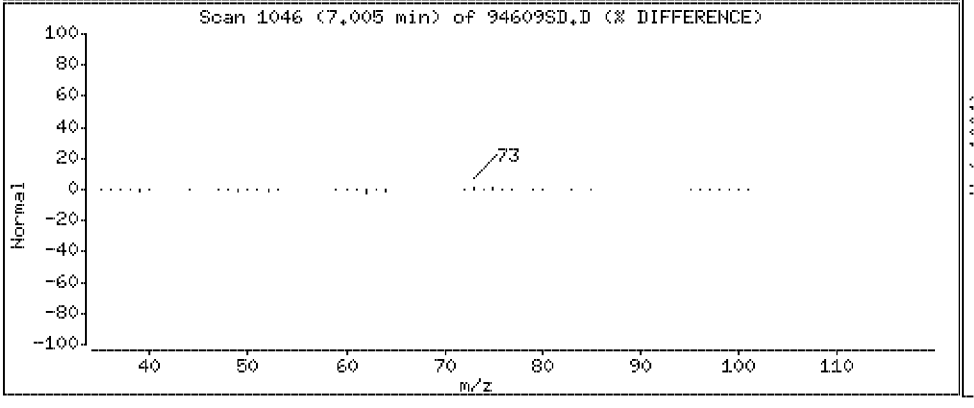












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

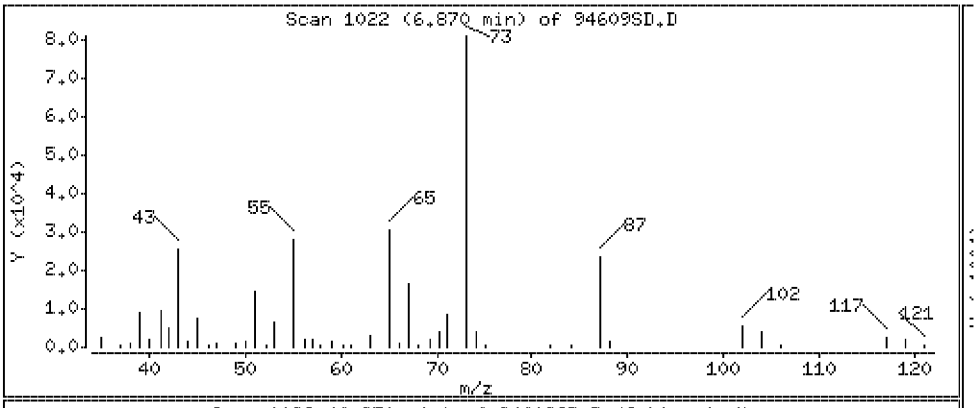
Operator:

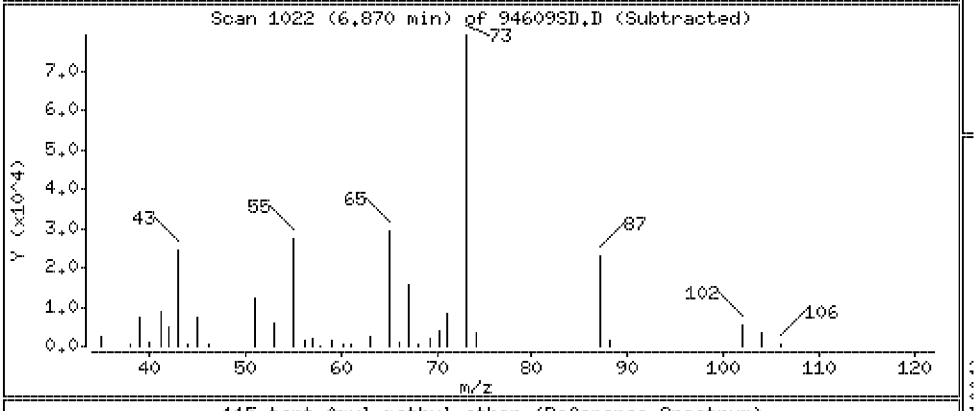
Column phase: DB-624

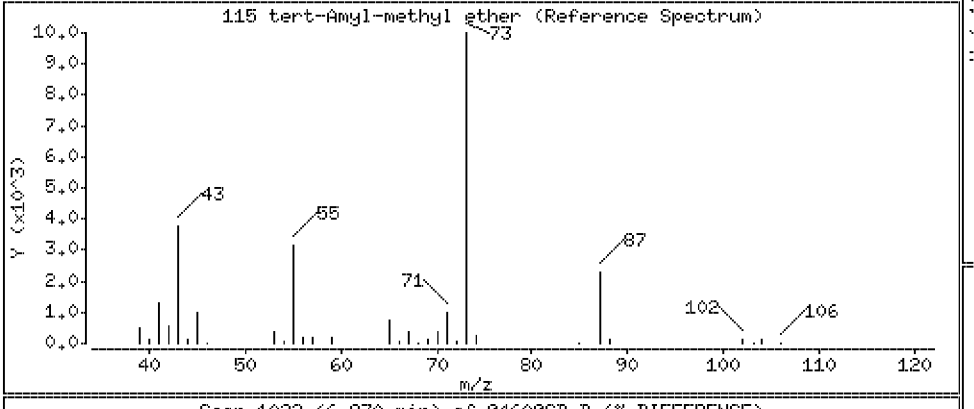
Column diameter: 0.18

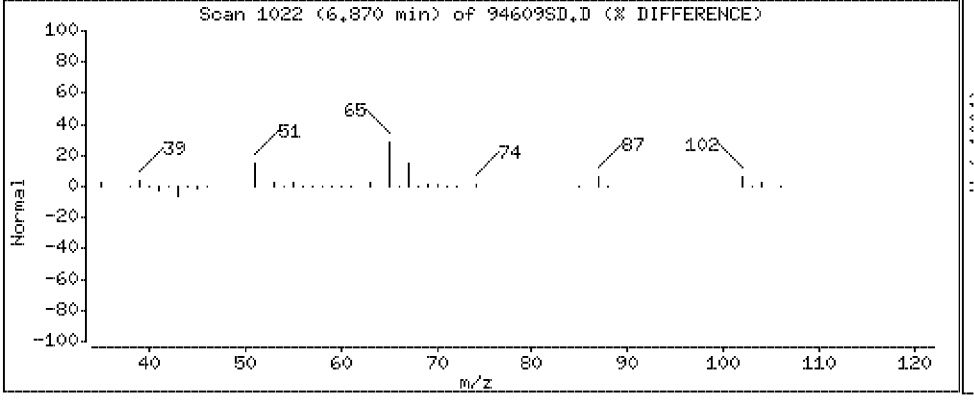
115 tert-Amyl-methyl ether

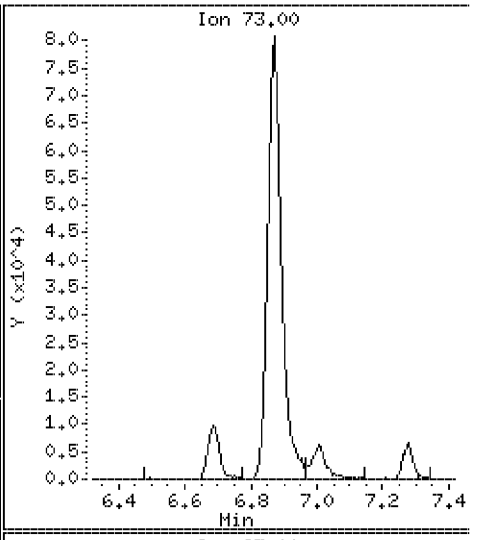
Concentration: 17.0 ug/l

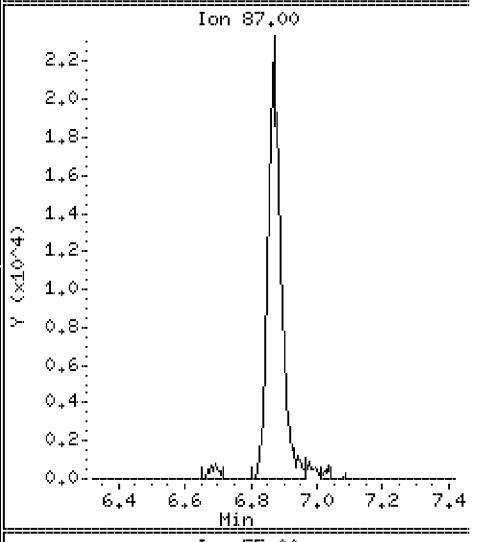


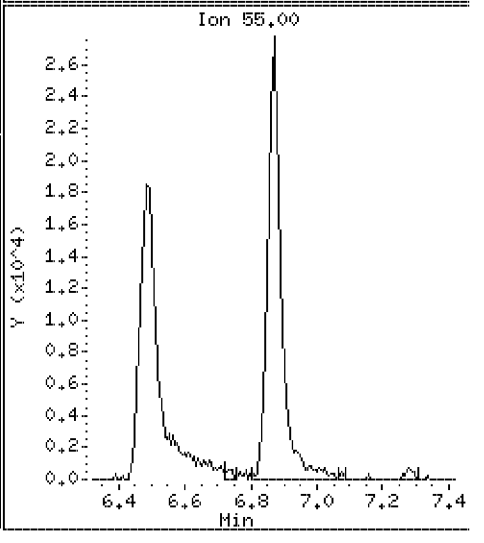












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

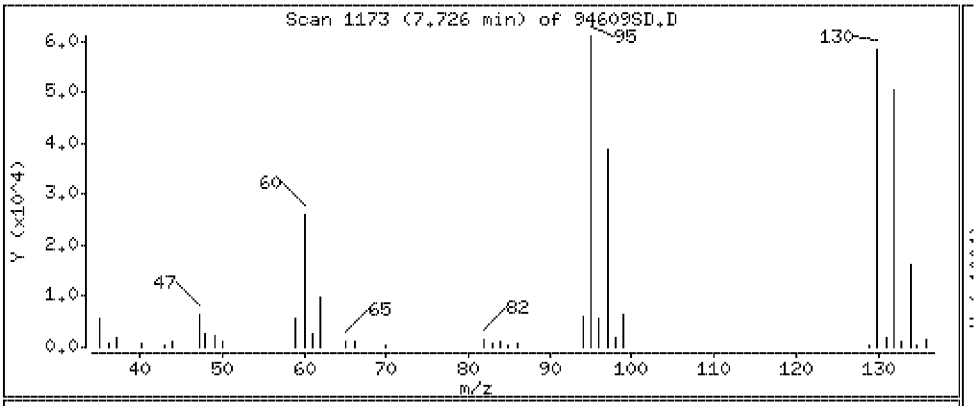
Operator:

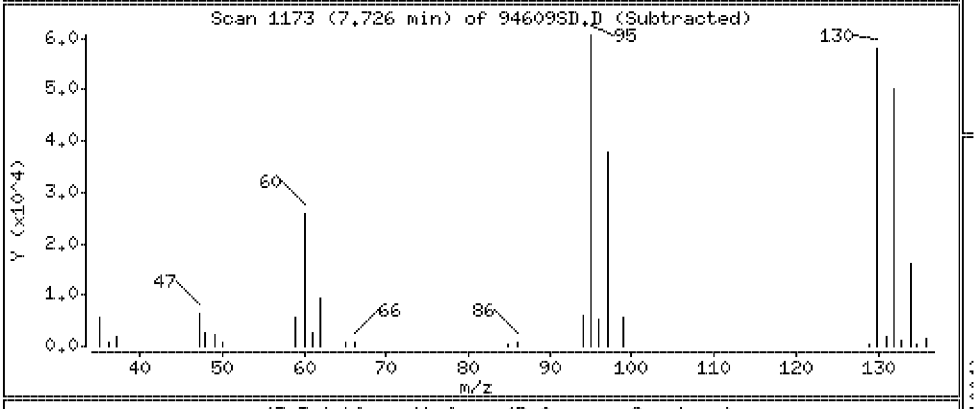
Column phase: DB-624

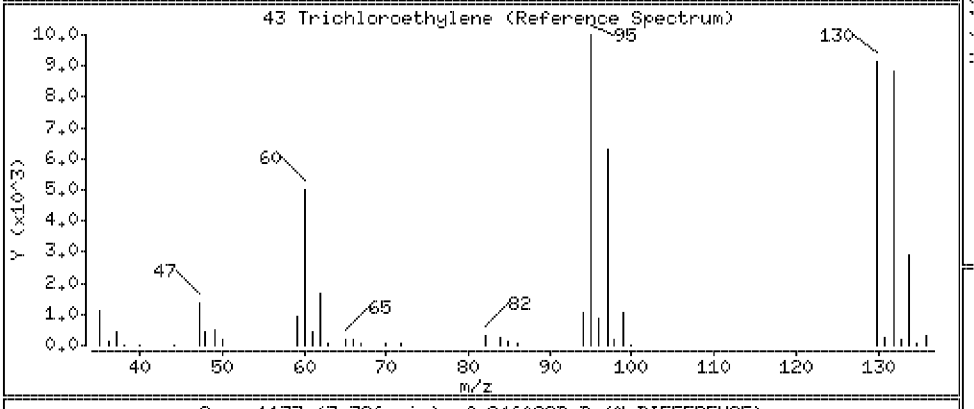
Column diameter: 0.18

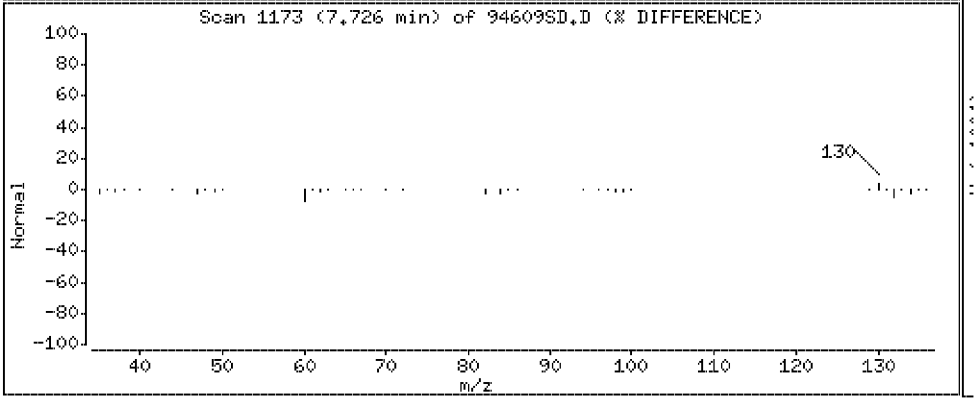
43 Trichloroethylene

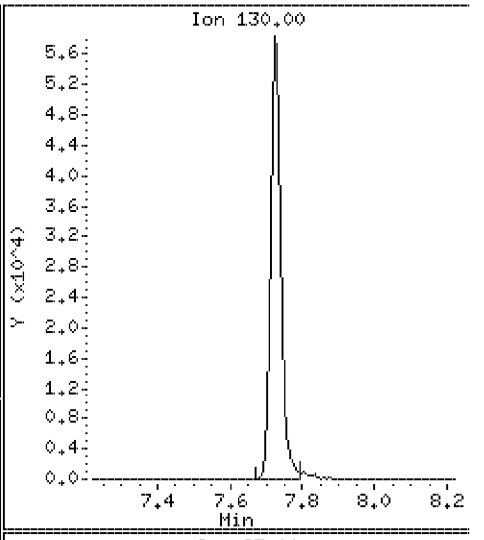
Concentration: 22.0 ug/l

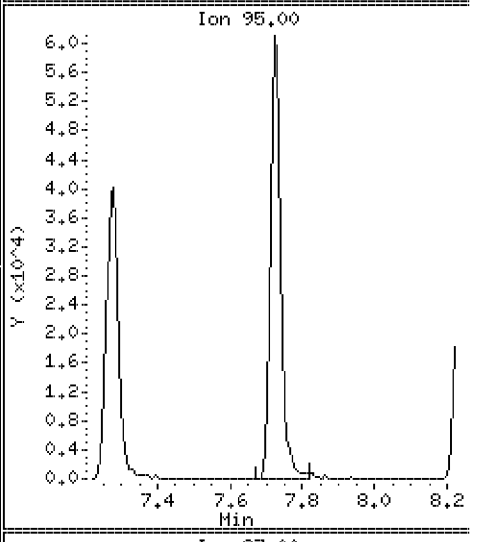


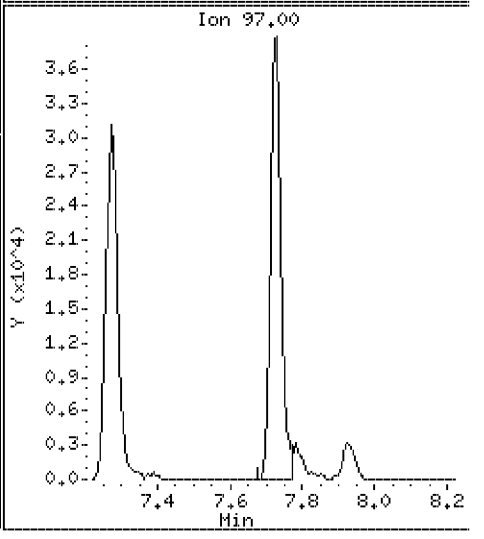












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

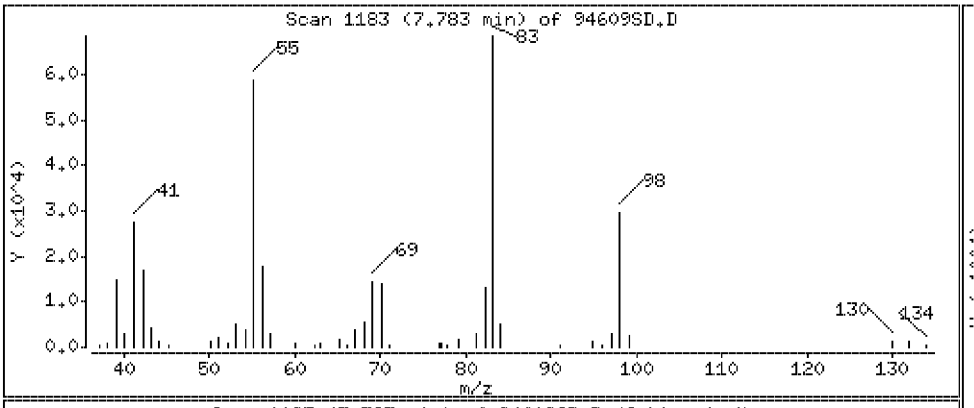
Operator:

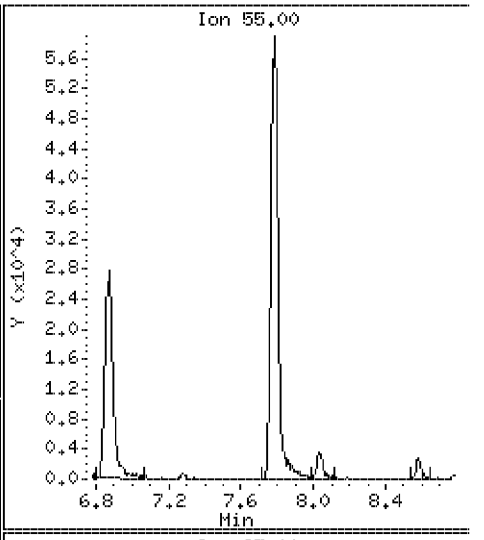
Column phase: DB-624

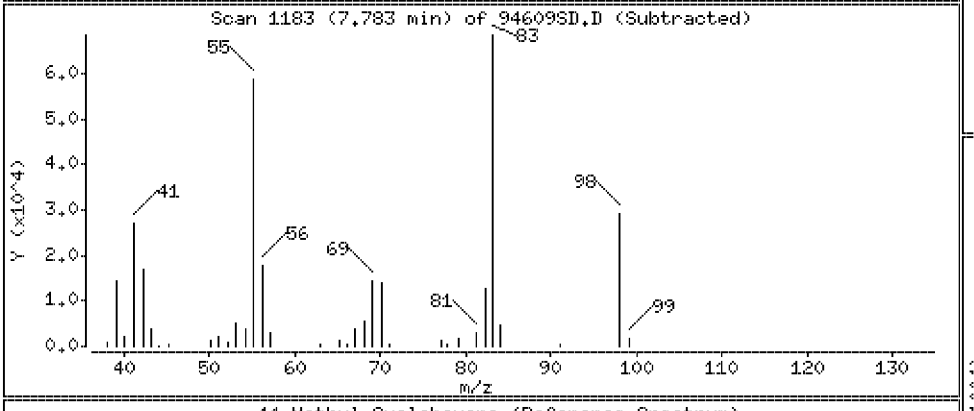
Column diameter: 0.18

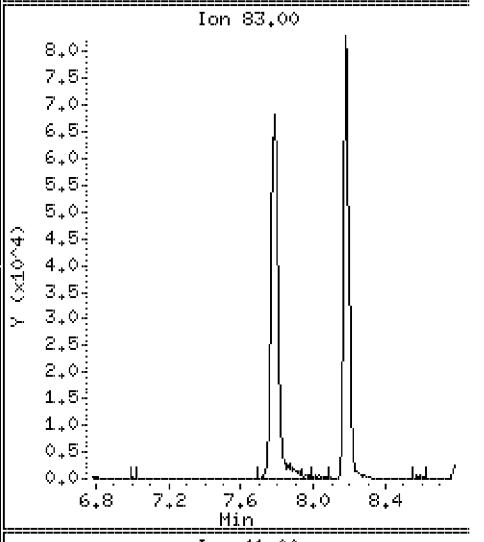
44 Methyl Cyclohexane

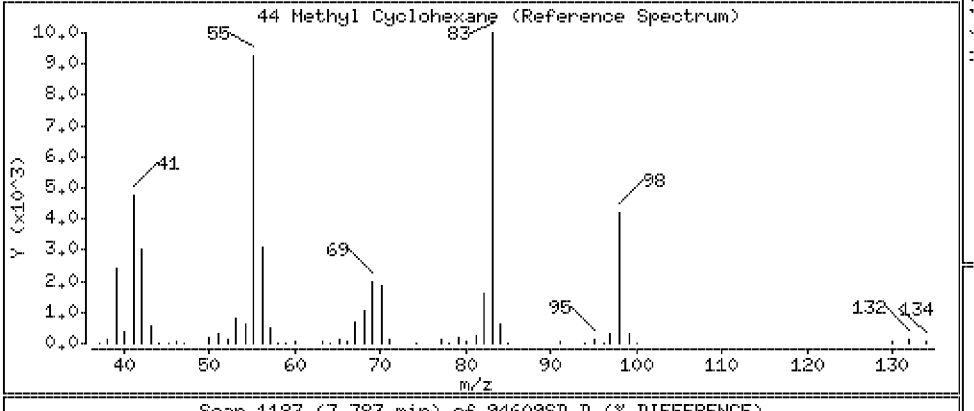
Concentration: 20.6 ug/l

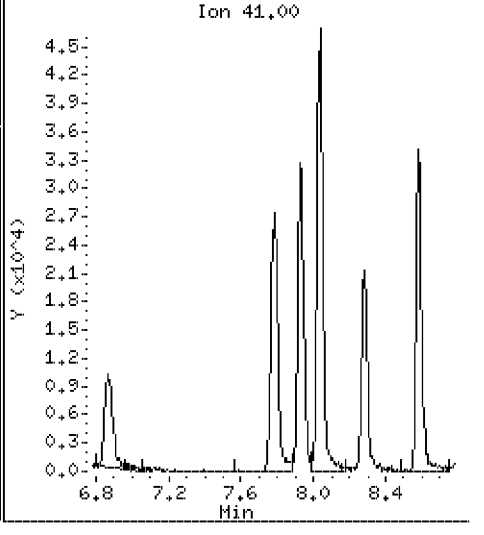


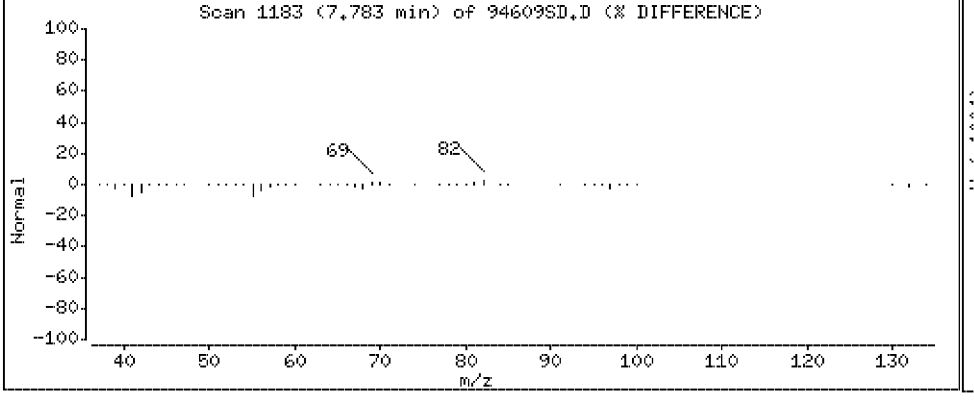












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

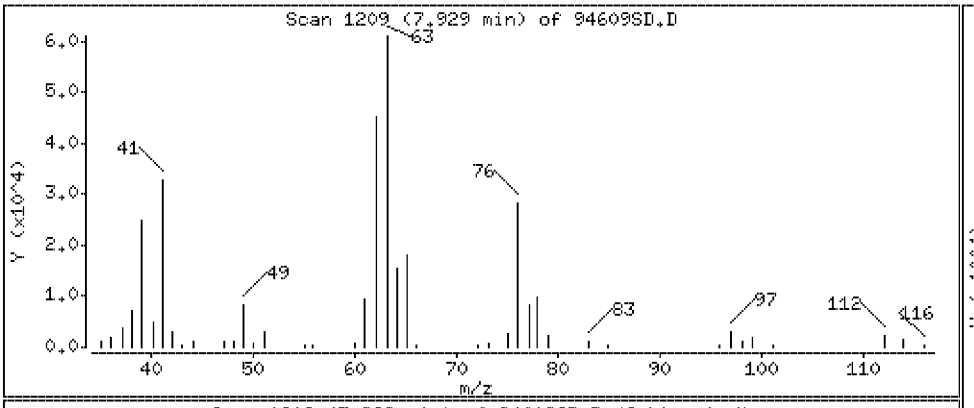
Operator:

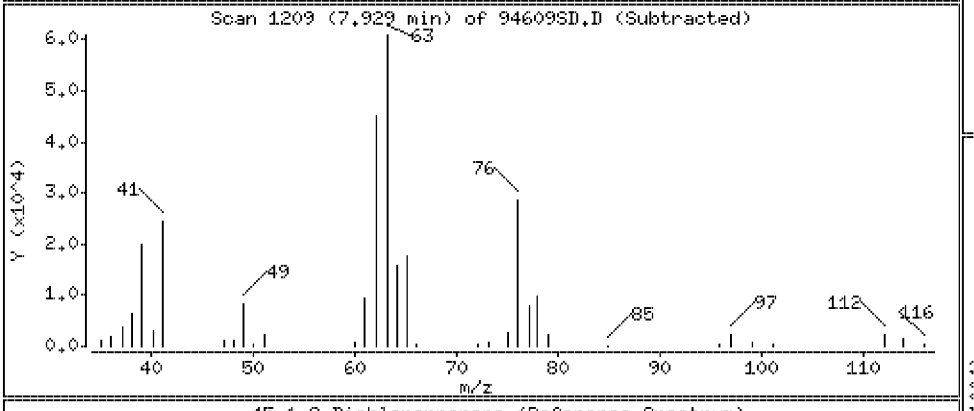
Column phase: DB-624

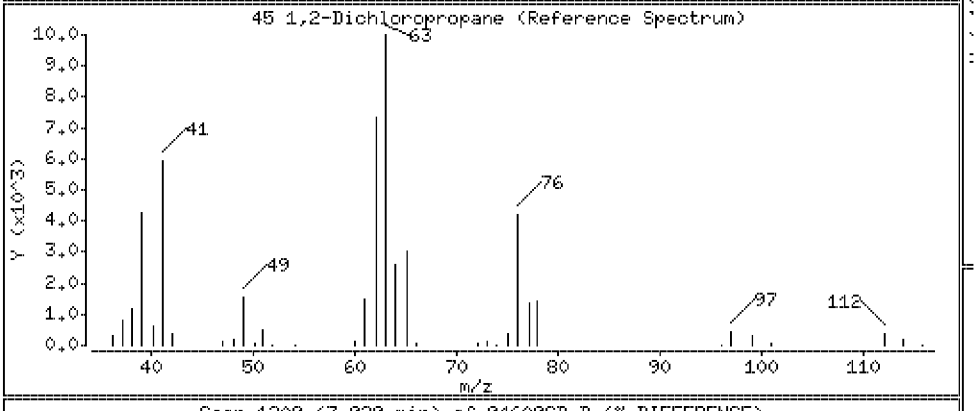
Column diameter: 0.18

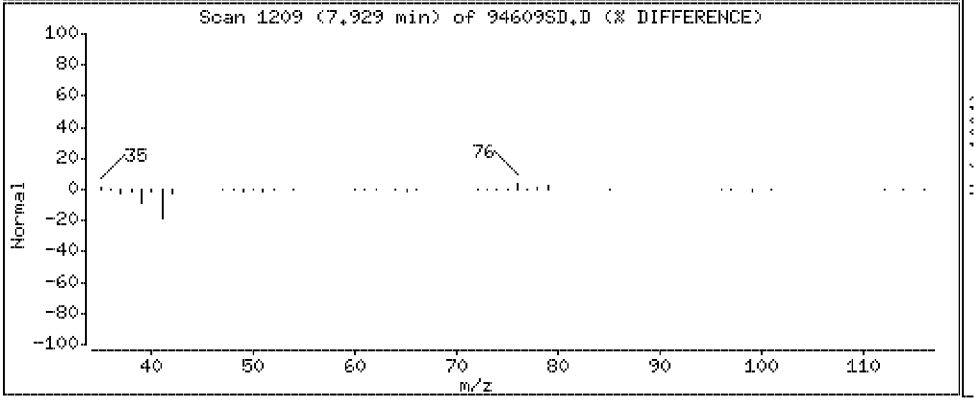
45 1,2-Dichloropropane

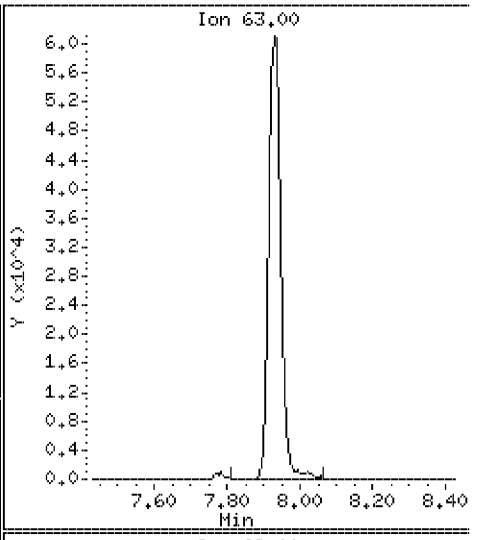
Concentration: 20.0 ug/l

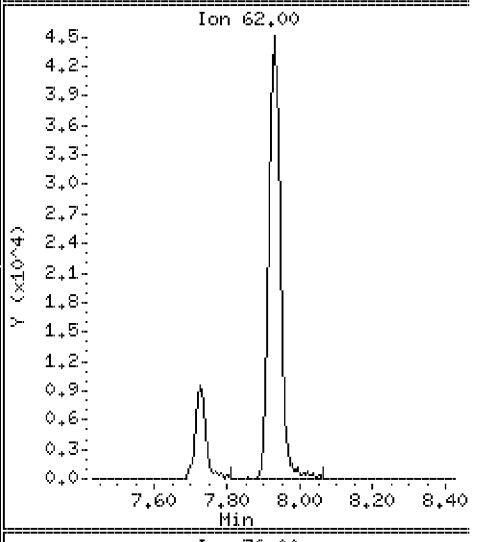


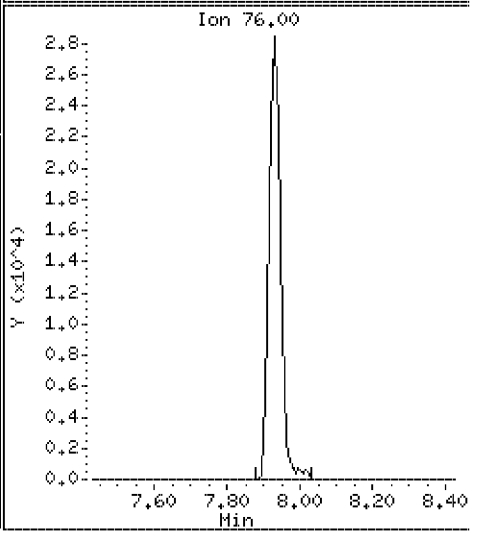












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

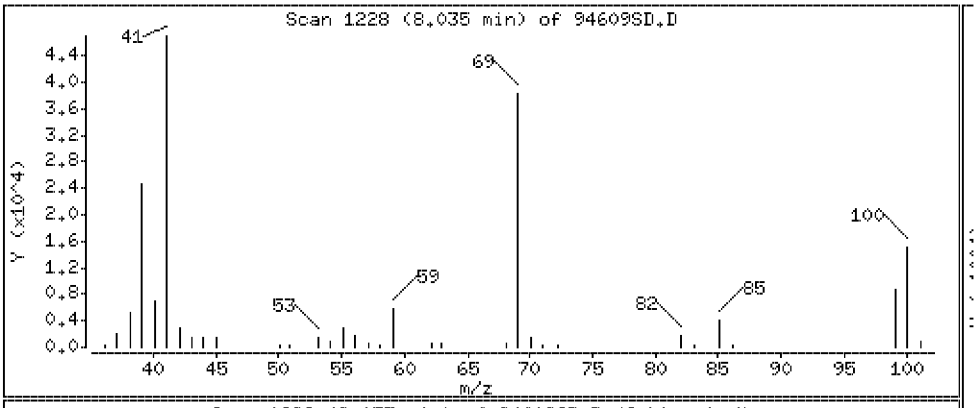
Operator:

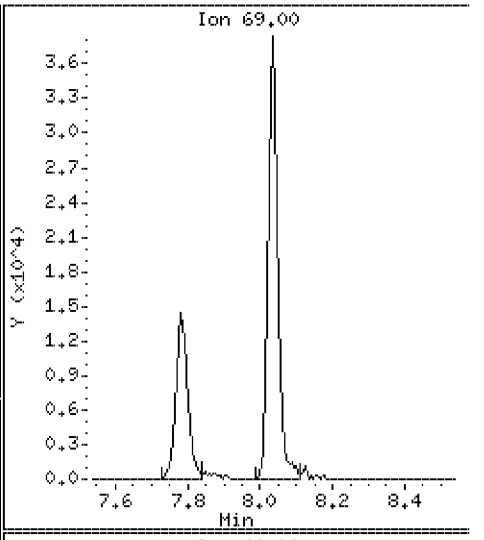
Column phase: DB-624

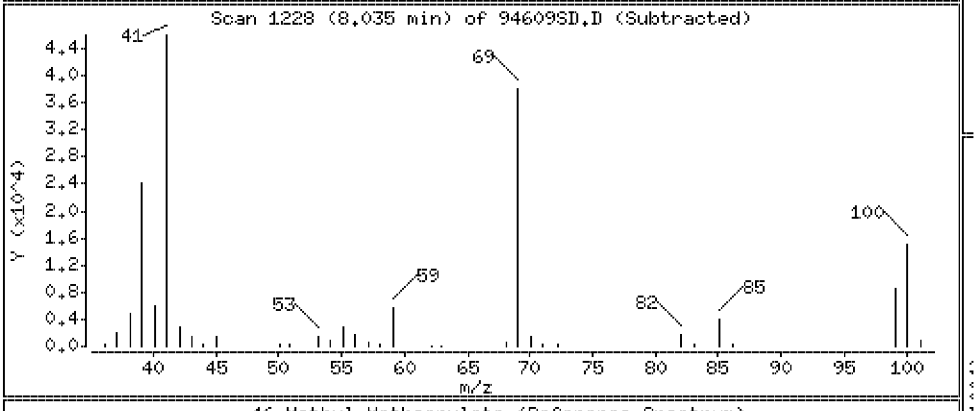
Column diameter: 0.18

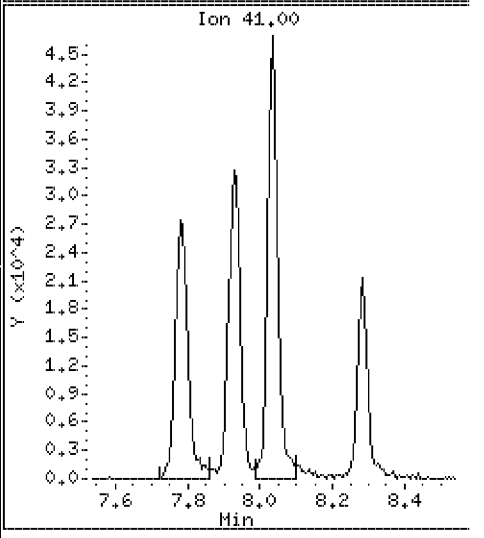
46 Methyl Methacrylate

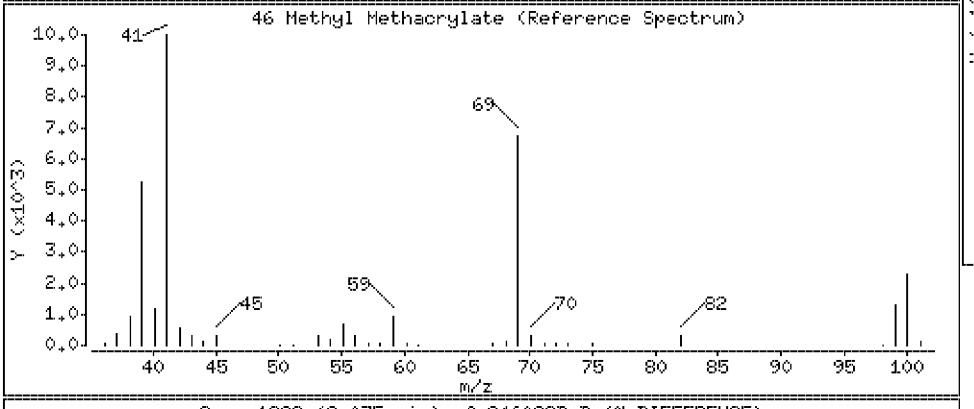
Concentration: 20.6 ug/l

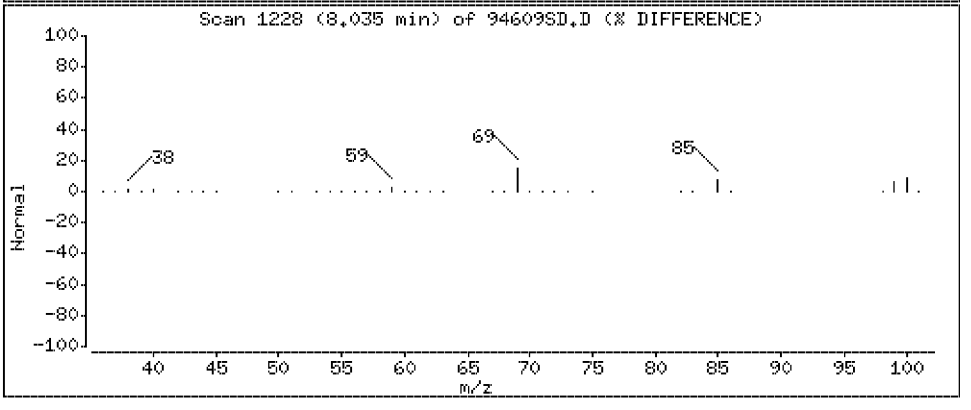












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

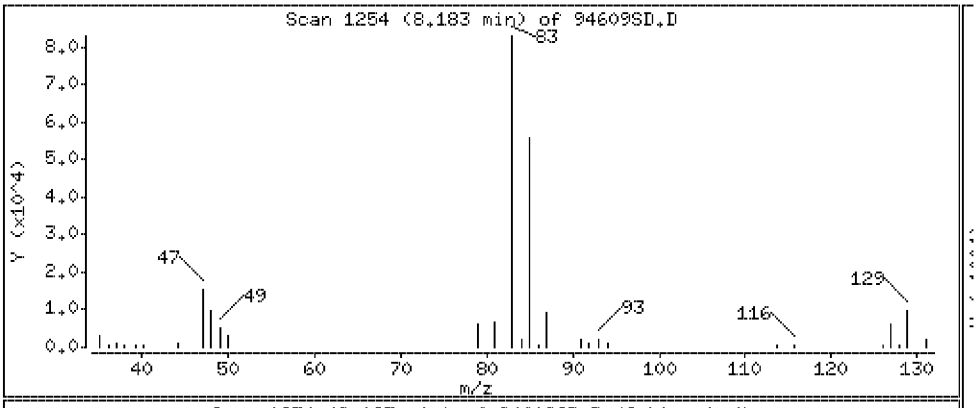
Operator:

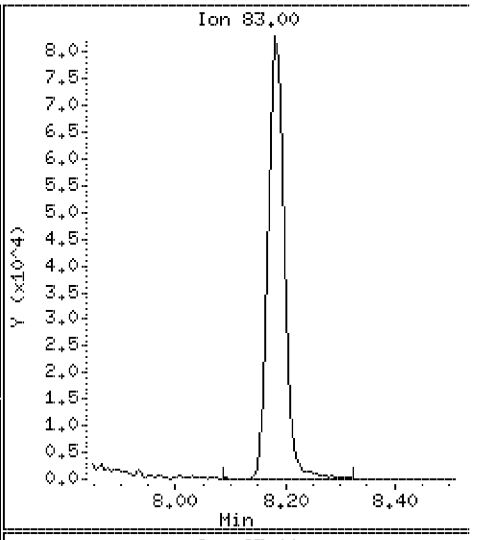
Column phase: DB-624

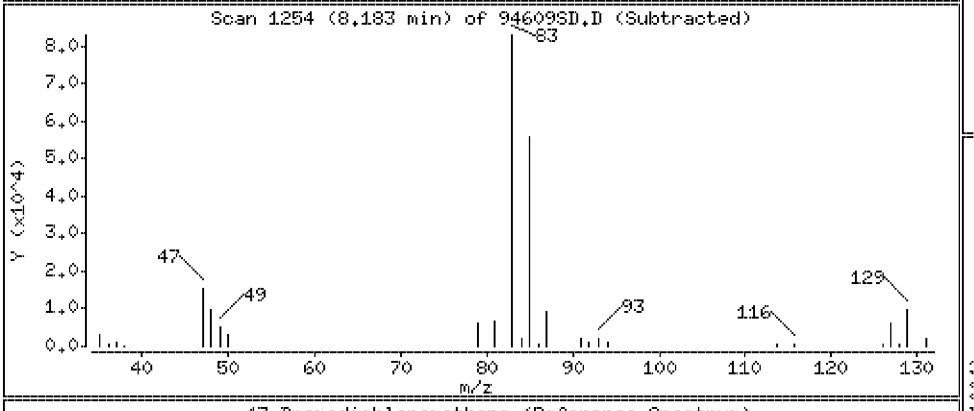
Column diameter: 0.18

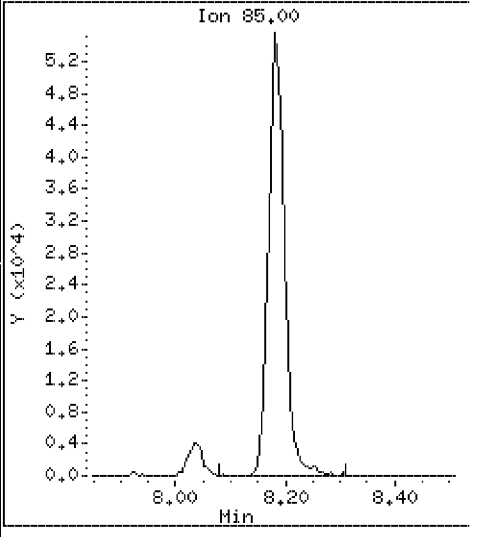
47 Bromodichloromethane

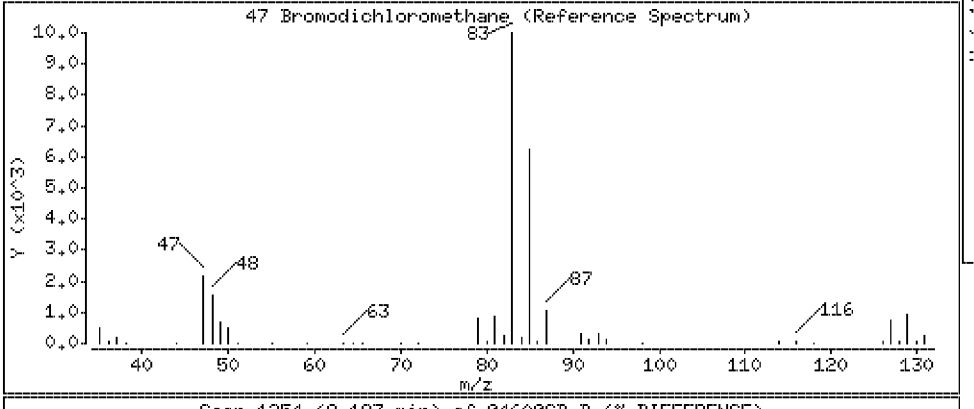
Concentration: 21.8 ug/l

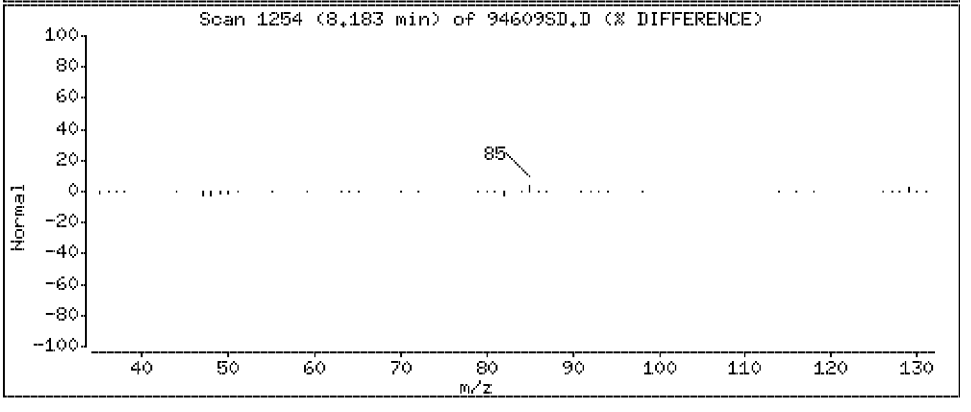












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

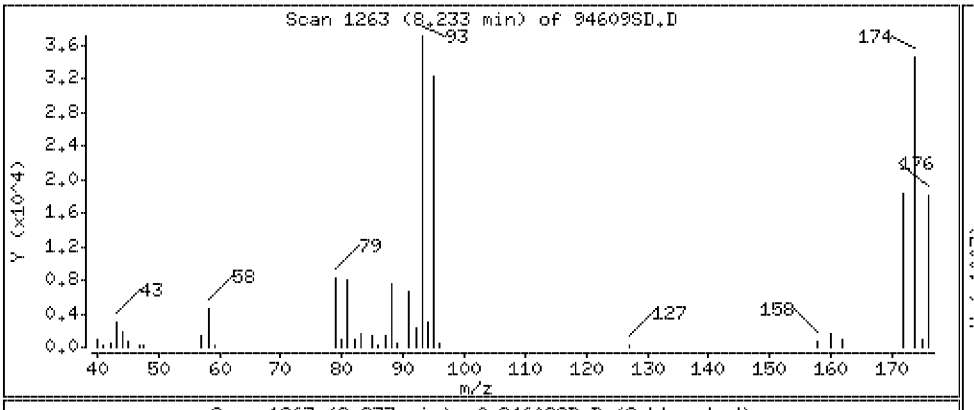
Operator:

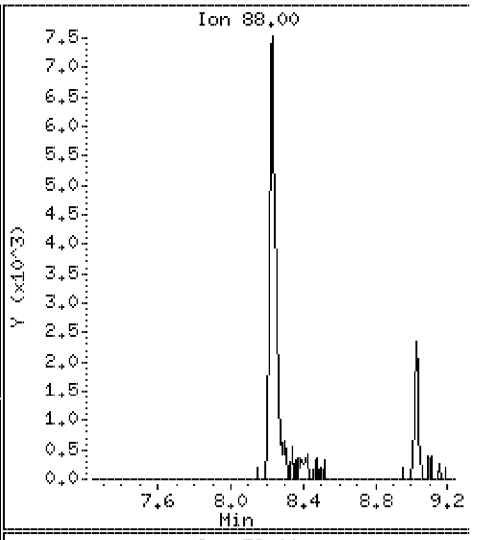
Column phase: DB-624

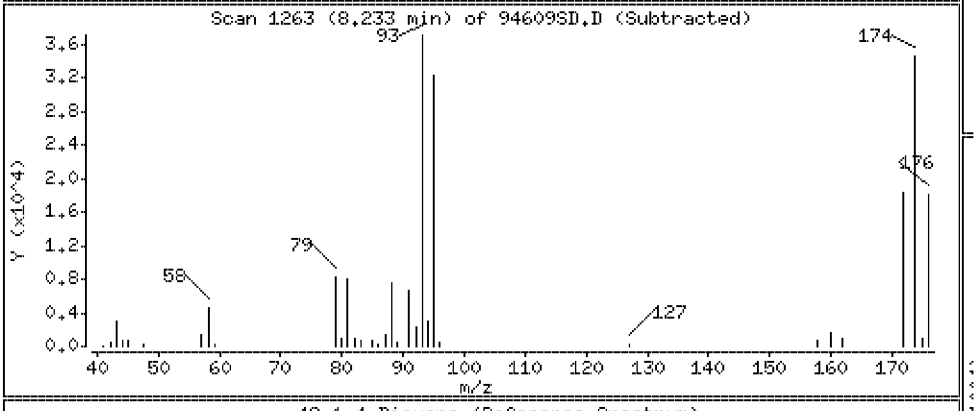
Column diameter: 0.18

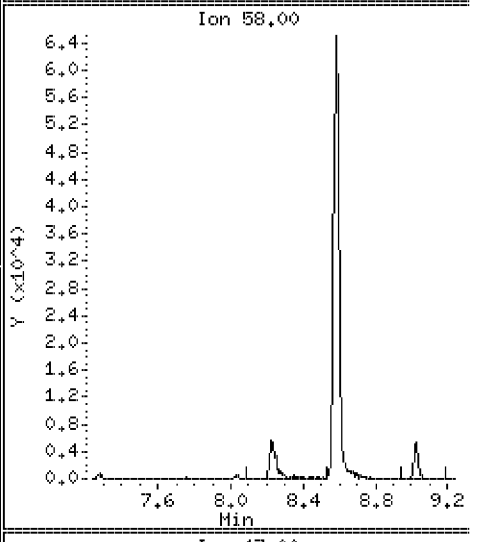
48 1,4 Dioxane

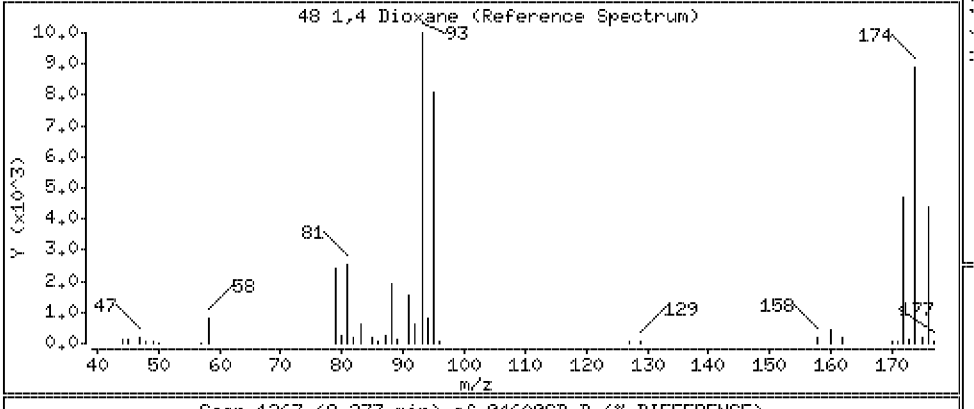
Concentration: 383 ug/l

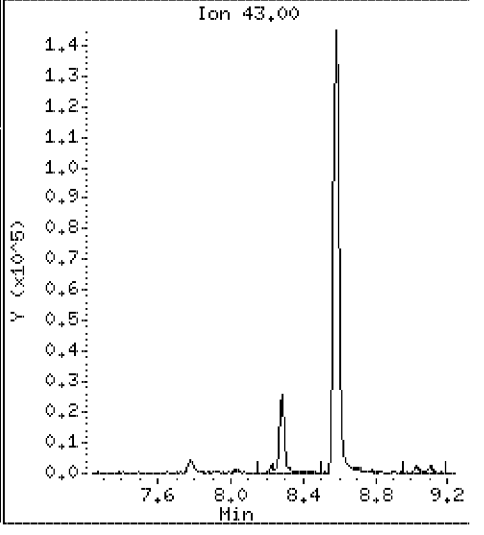


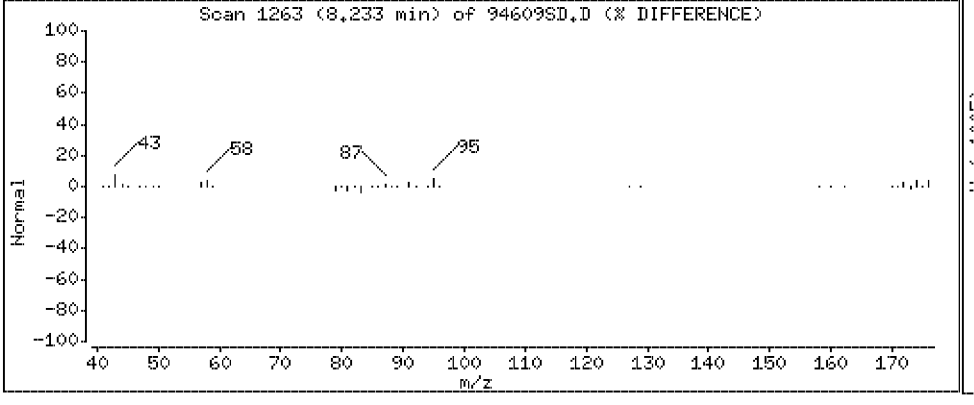












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

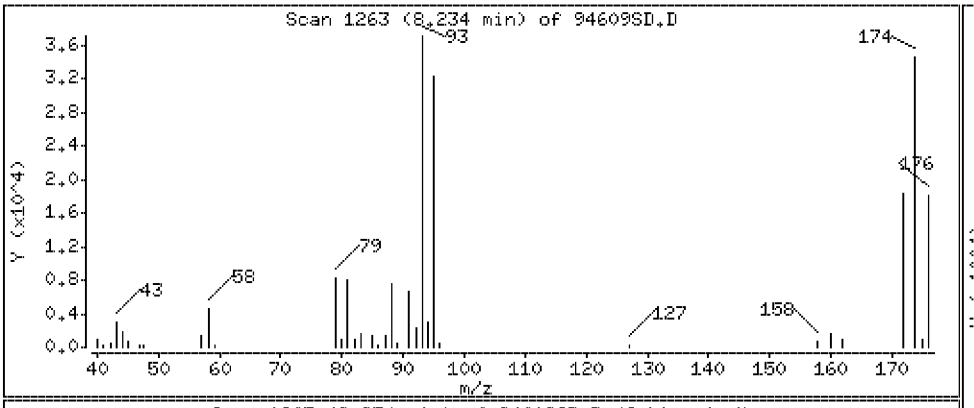
Operator:

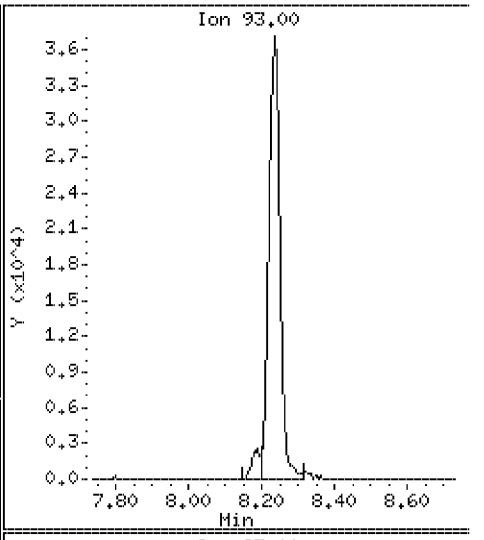
Column phase: DB-624

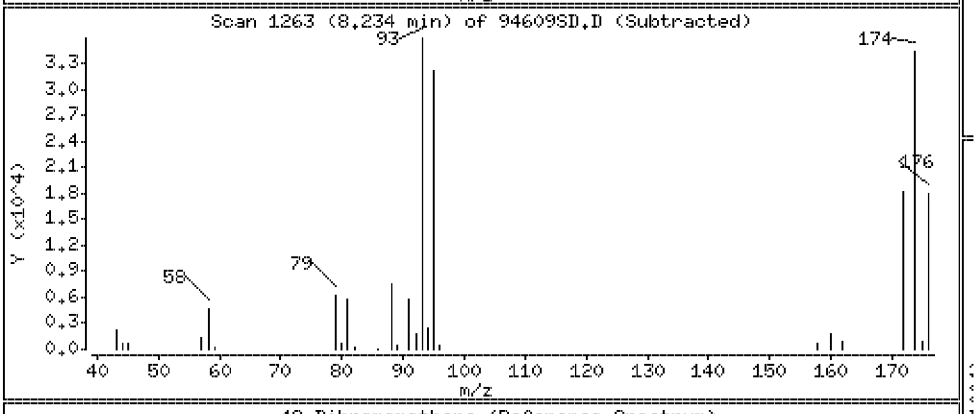
Column diameter: 0.18

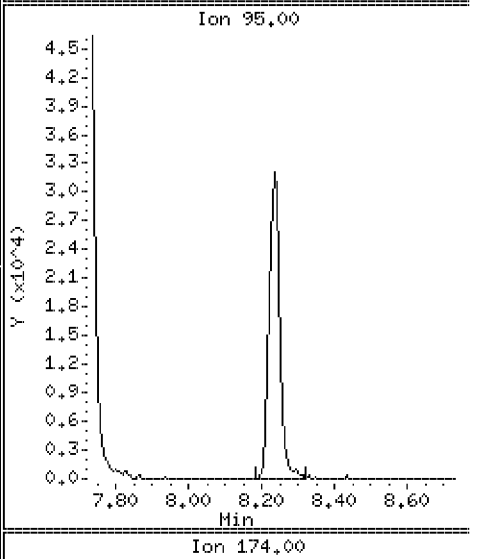
49 Dibromomethane

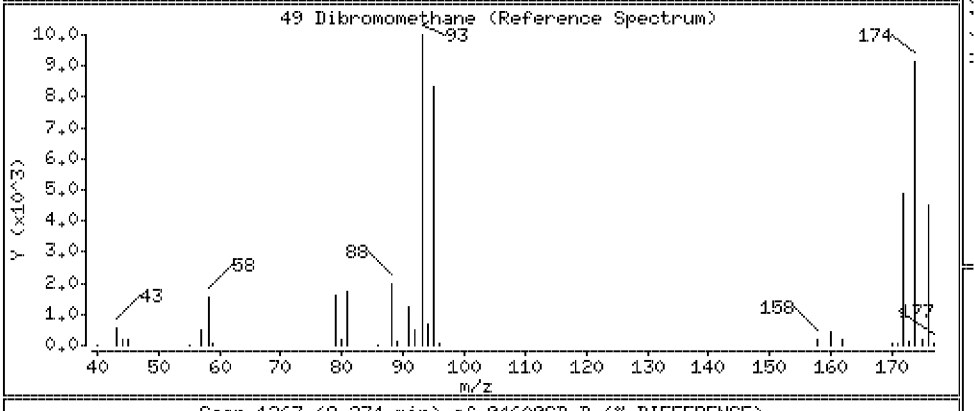
Concentration: 21.5 ug/l

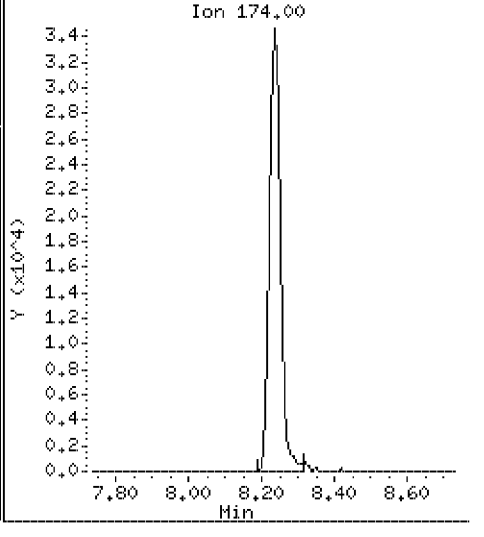


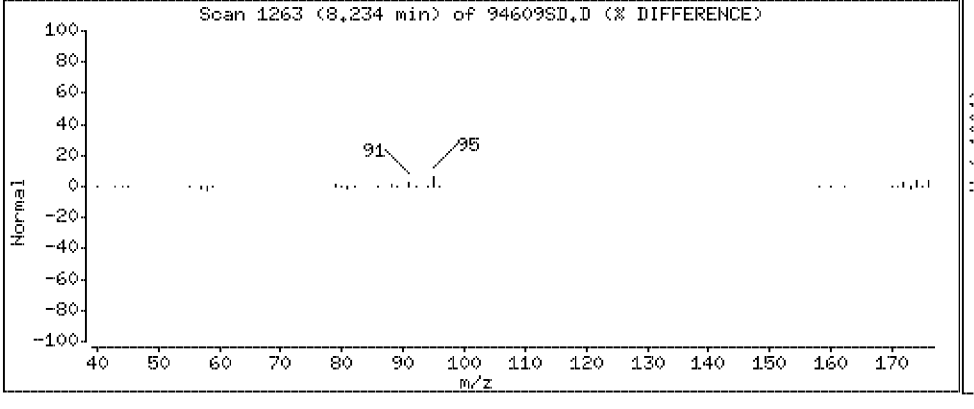












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

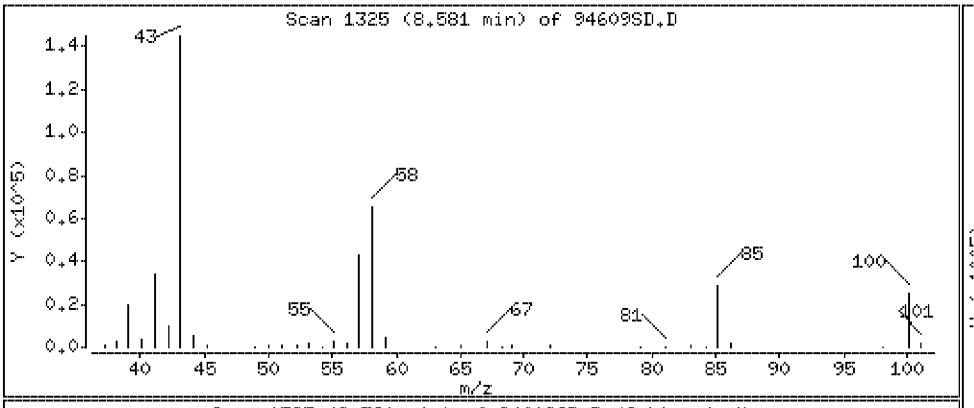
Operator:

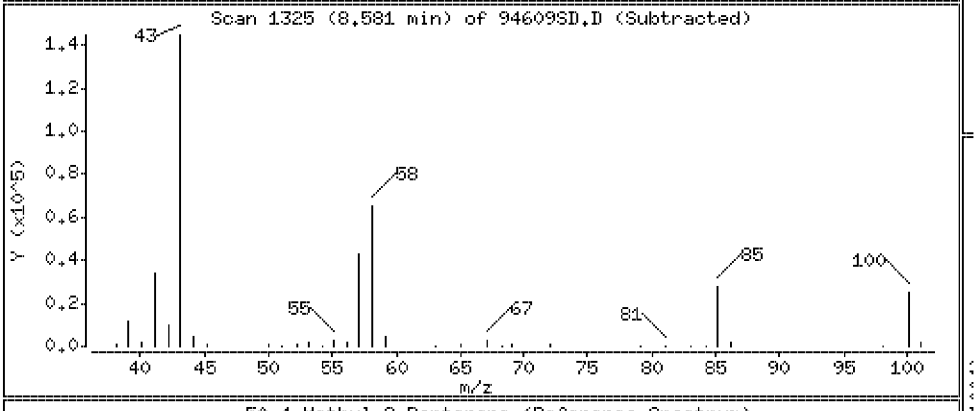
Column phase: DB-624

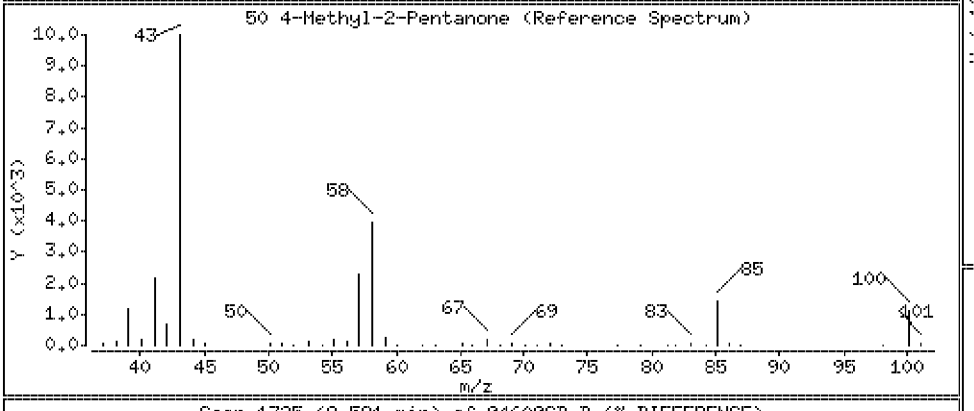
Column diameter: 0.18

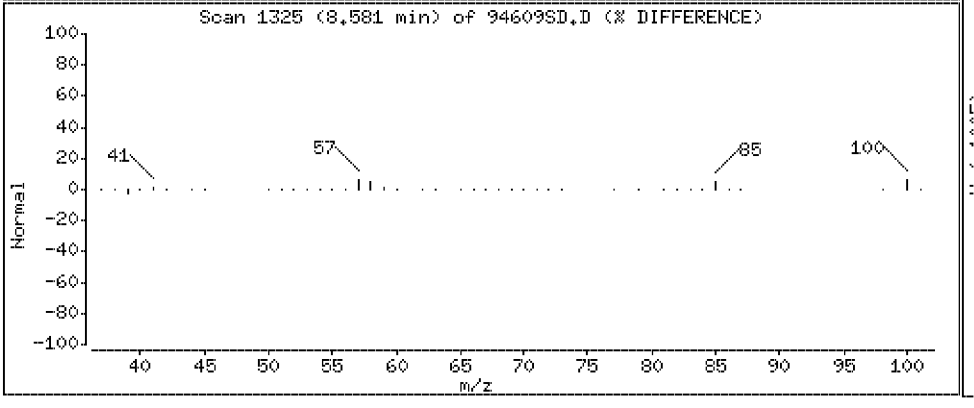
50 4-Methyl-2-Pentanone

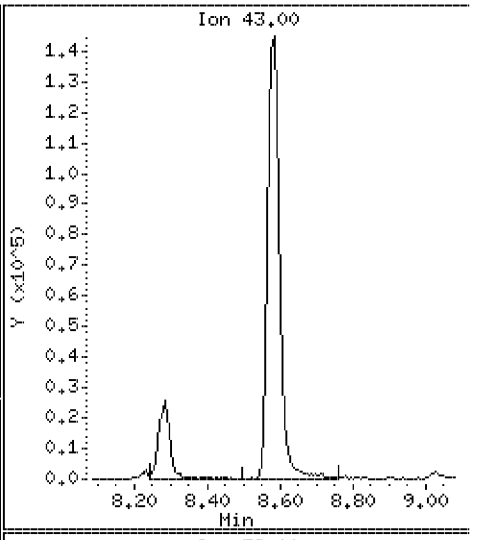
Concentration: 55.6 ug/l

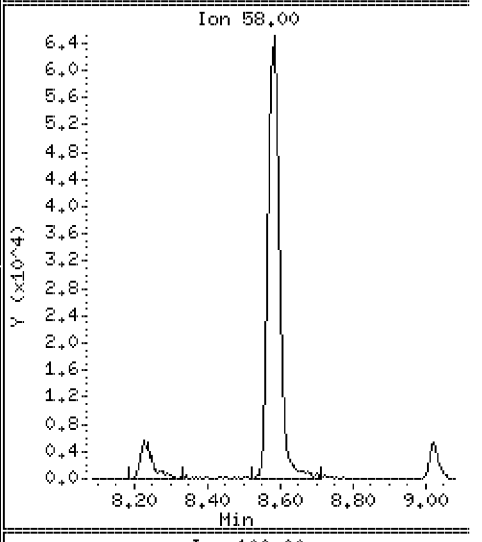


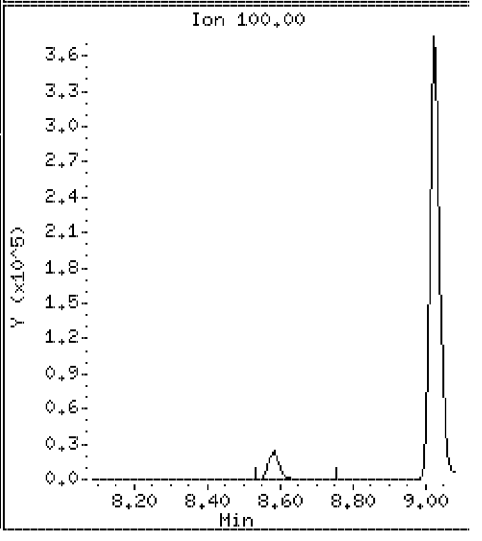












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

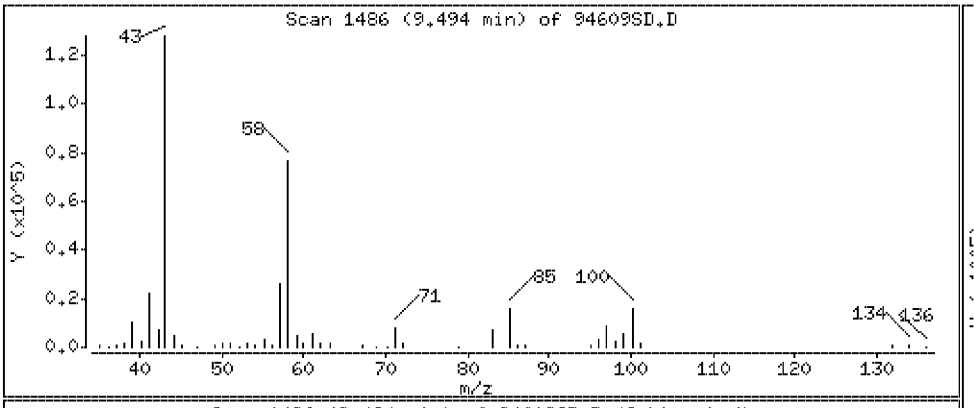
Operator:

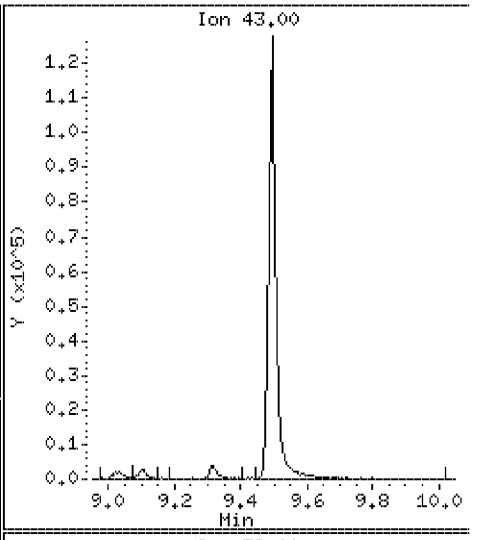
Column phase: DB-624

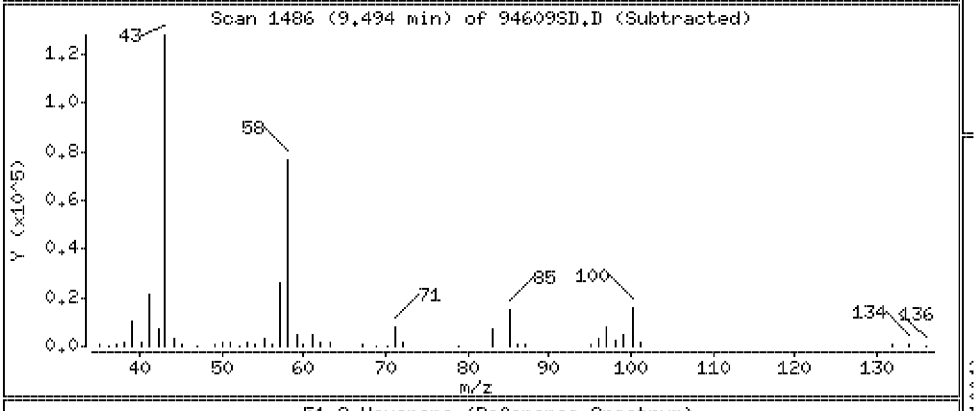
Column diameter: 0.18

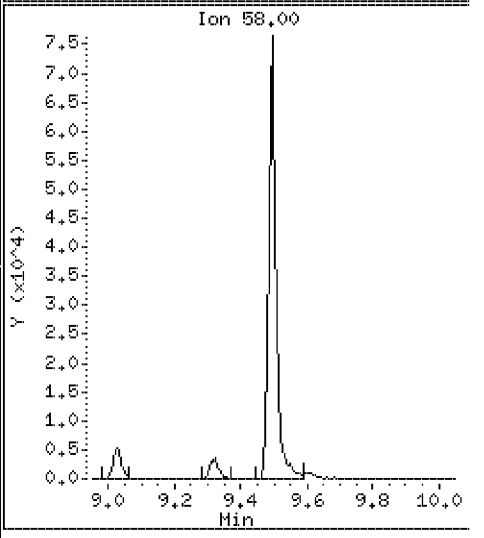
51 2-Hexanone

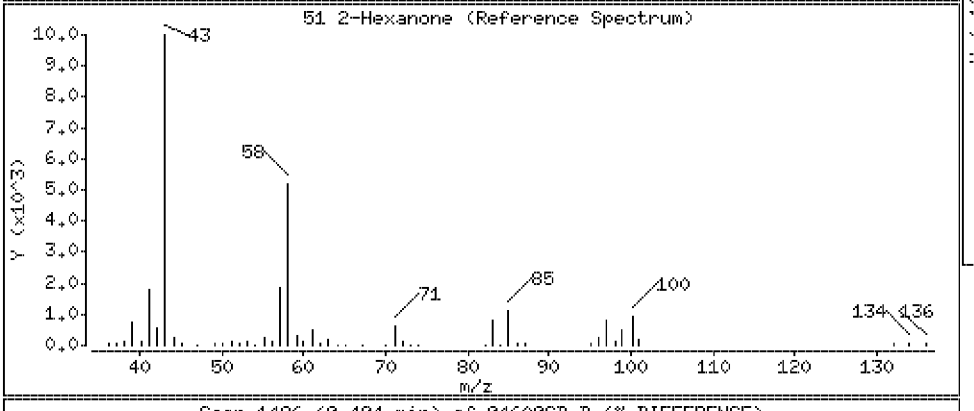
Concentration: 58.7 ug/l

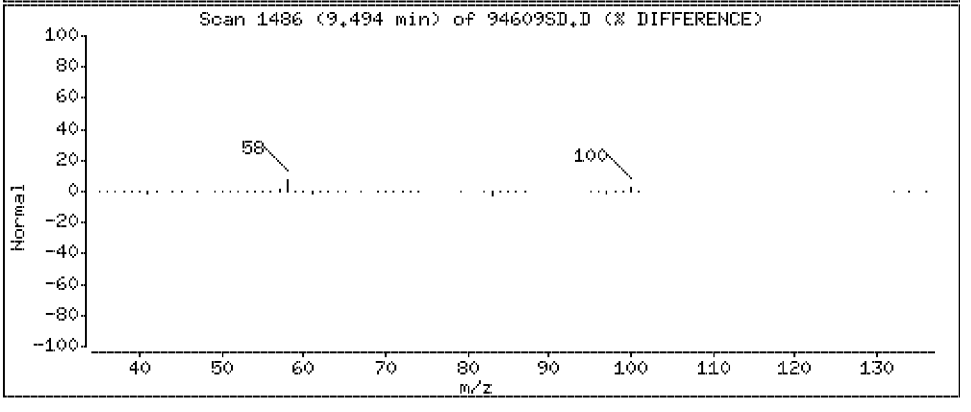












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

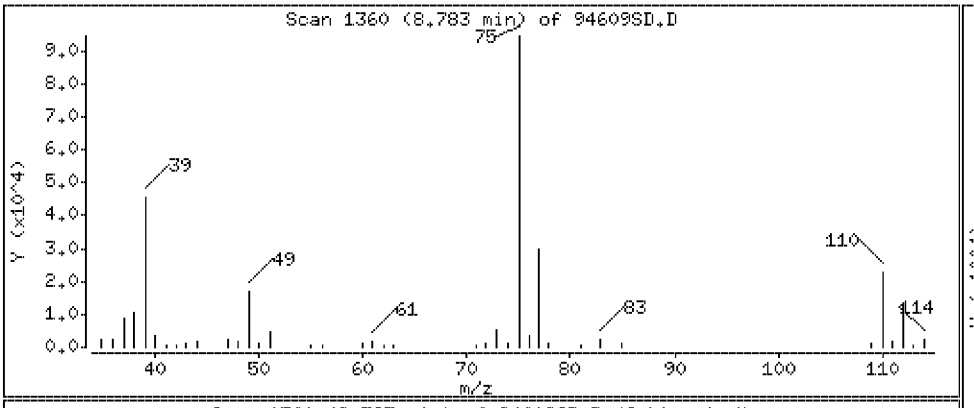
Operator:

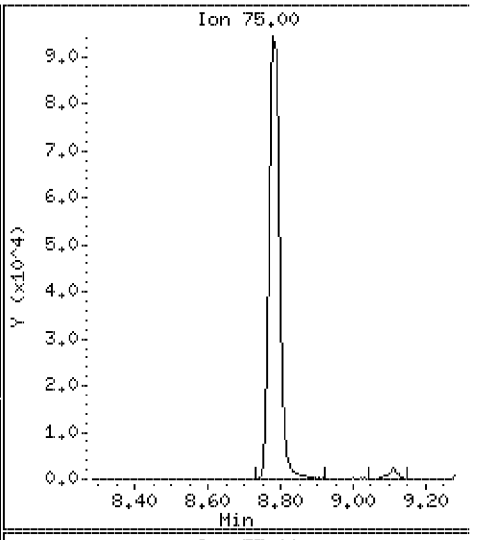
Column phase: DB-624

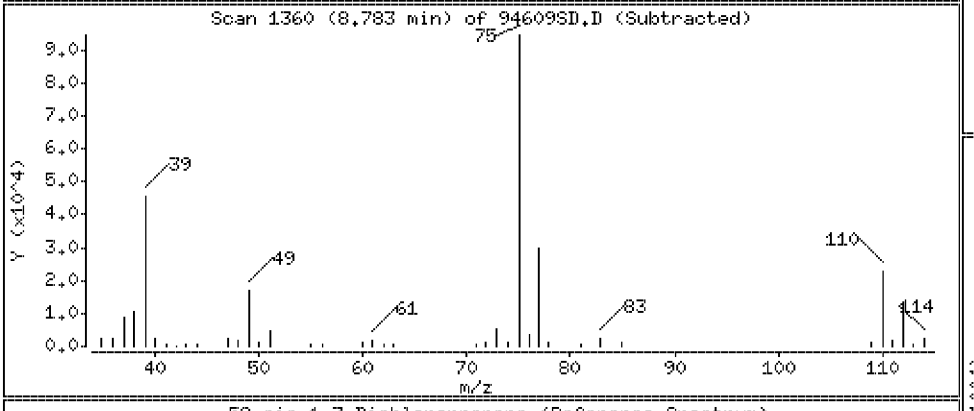
Column diameter: 0.18

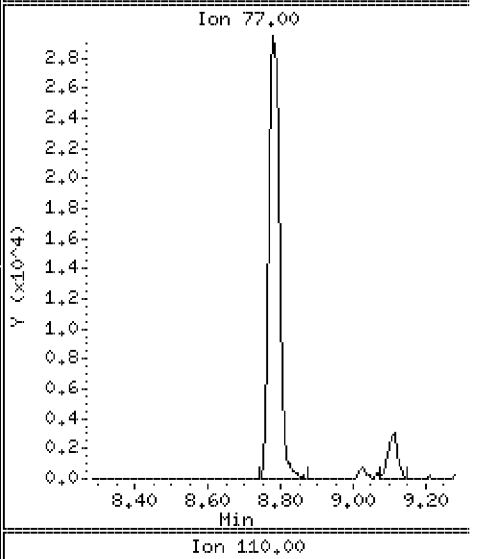
52 cis 1,3-Dichloropropene

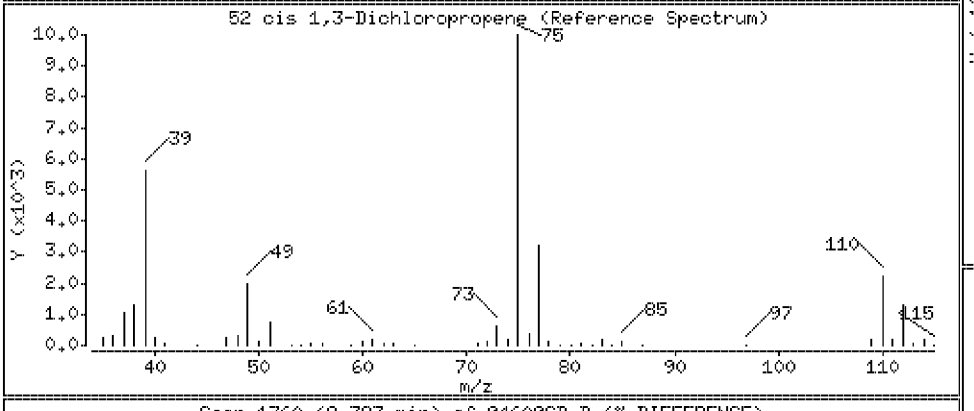
Concentration: 22.3 ug/l

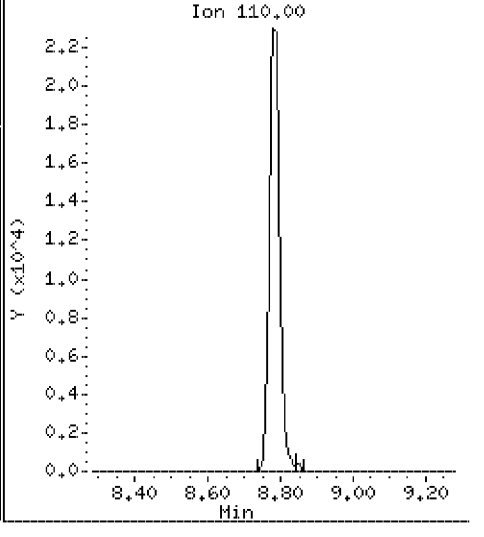


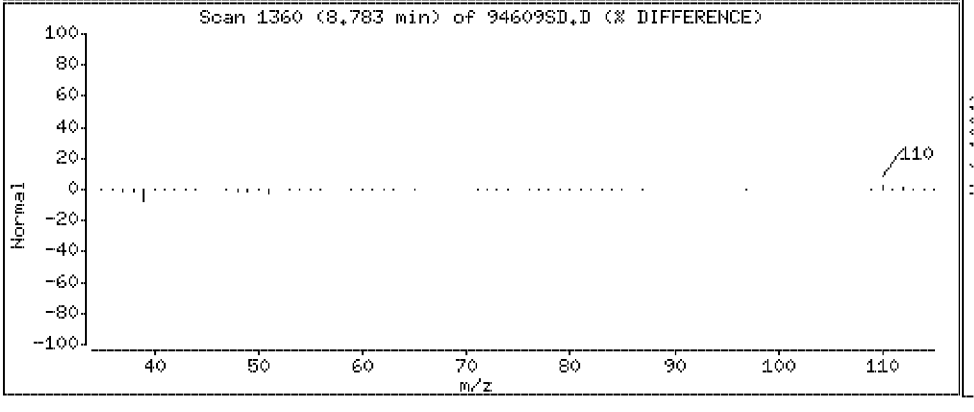












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

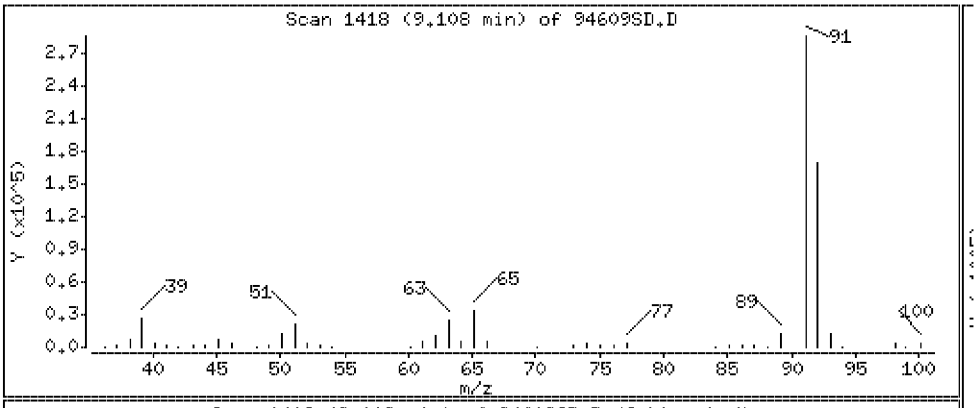
Operator:

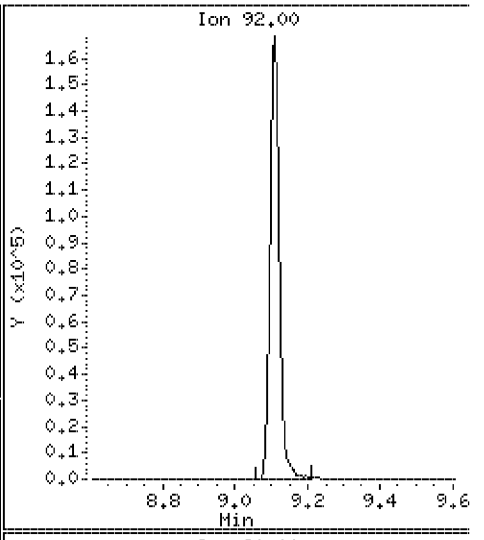
Column phase: DB-624

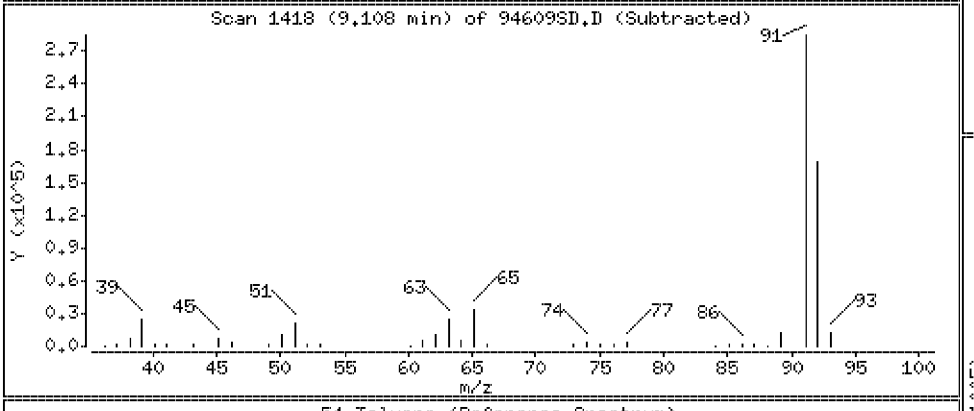
Column diameter: 0.18

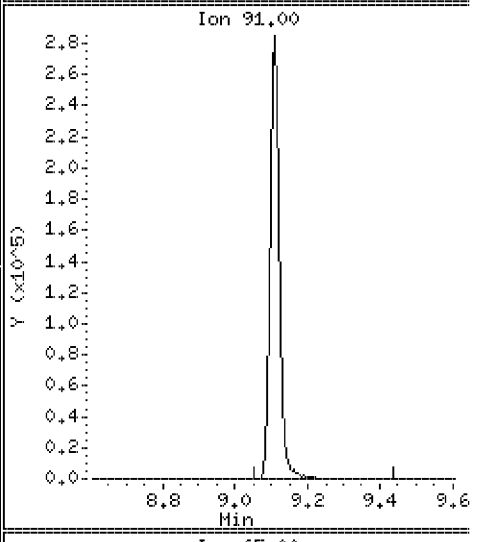
54 Toluene

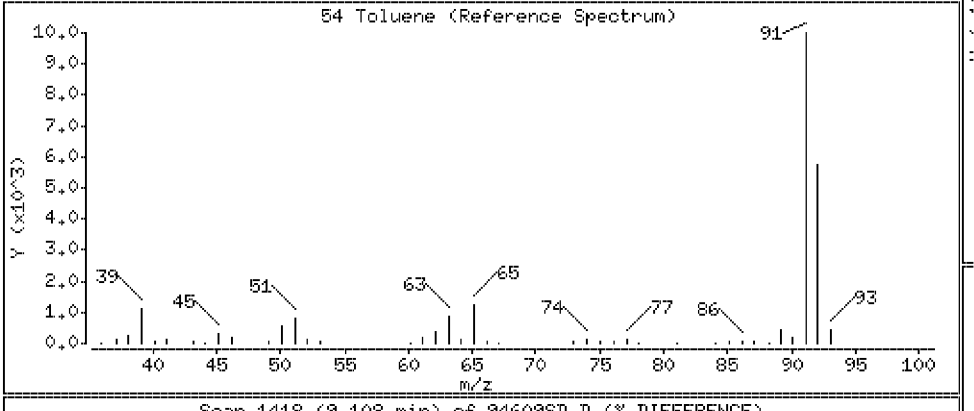
Concentration: 21.5 ug/l

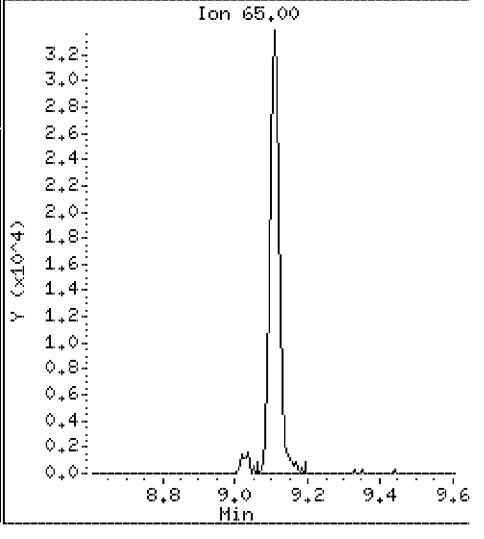


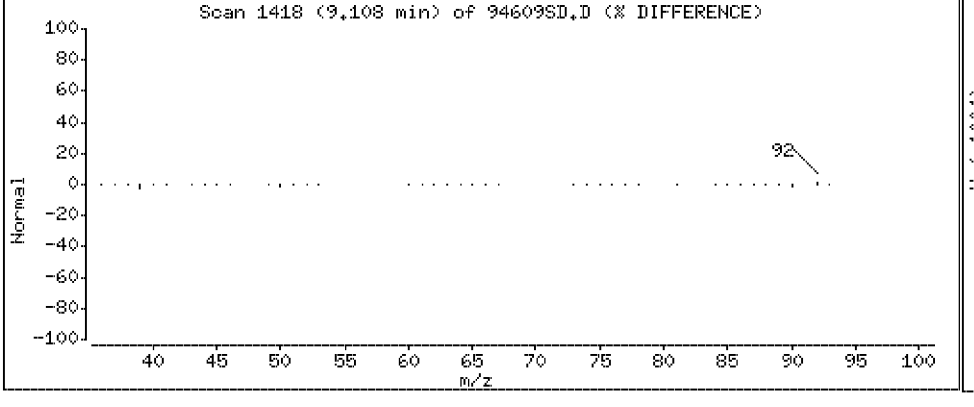












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SL0[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

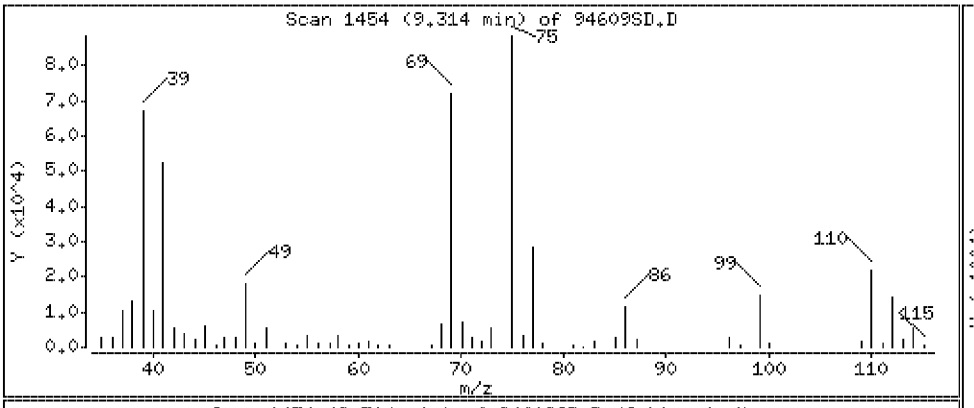
Operator:

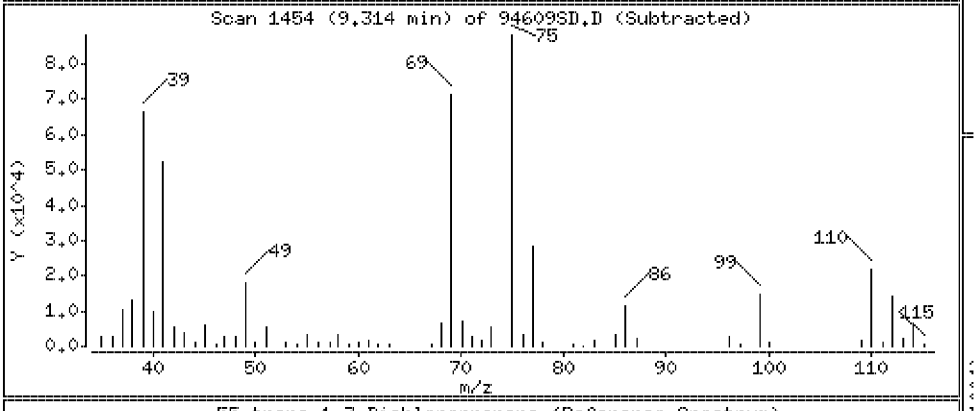
Column phase: DB-624

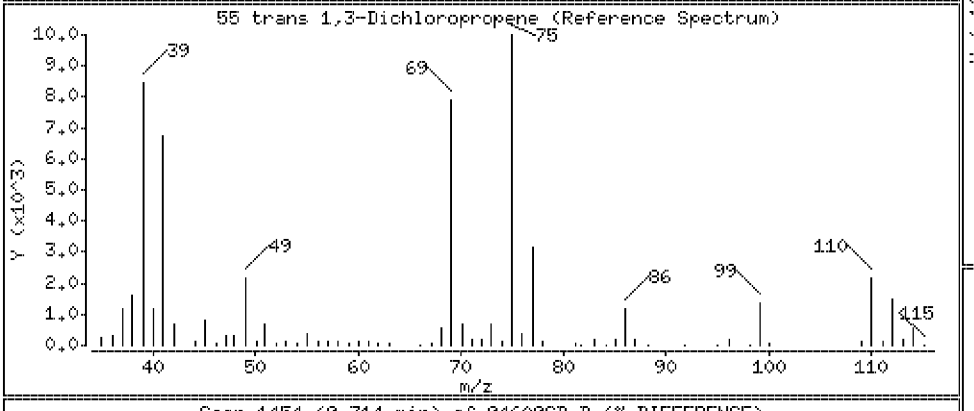
Column diameter: 0.18

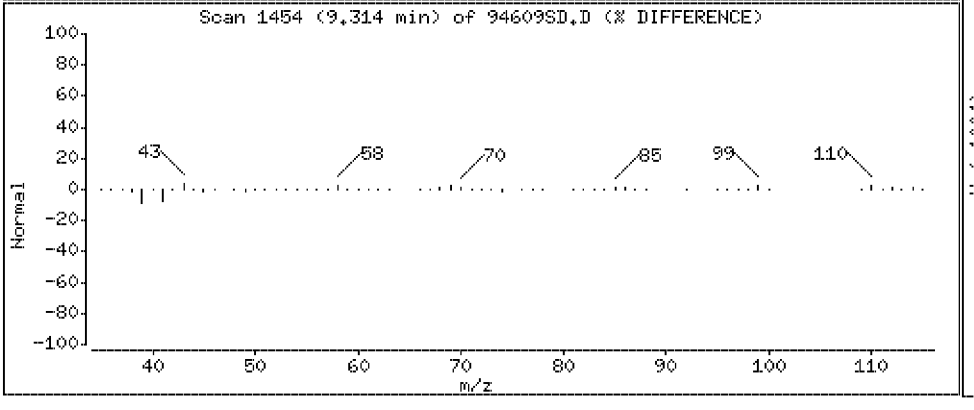
55 trans 1,3-Dichloropropene

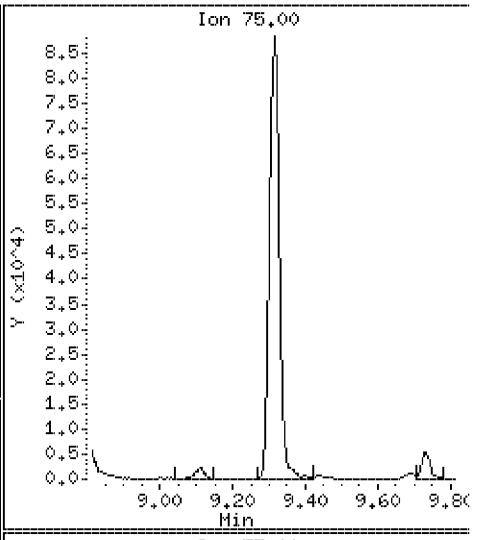
Concentration: 23.2 ug/l

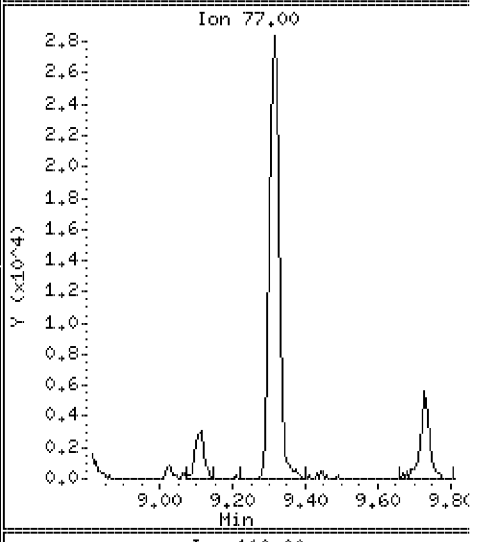


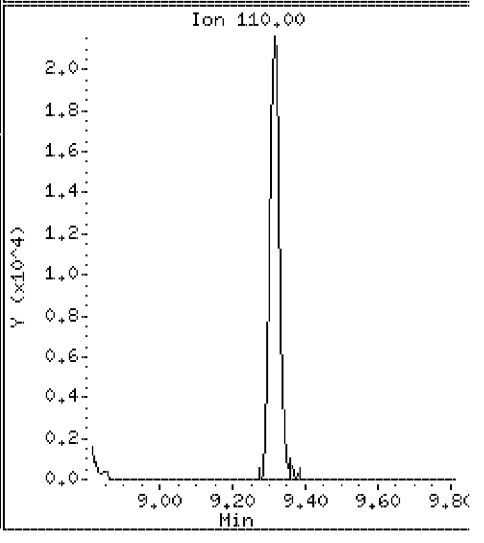












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

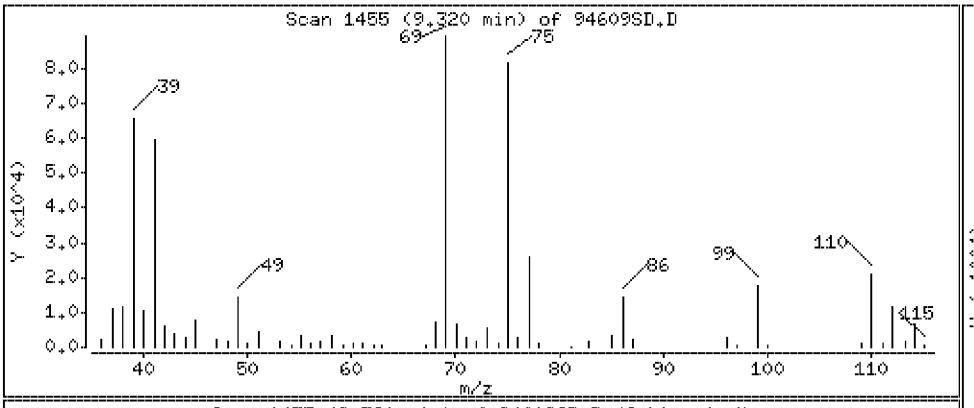
Operator:

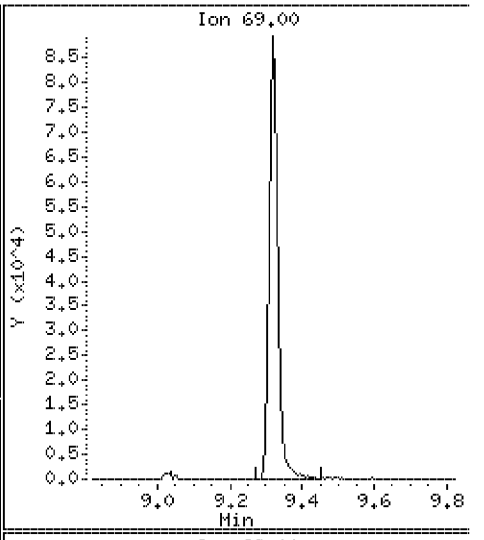
Column phase: DB-624

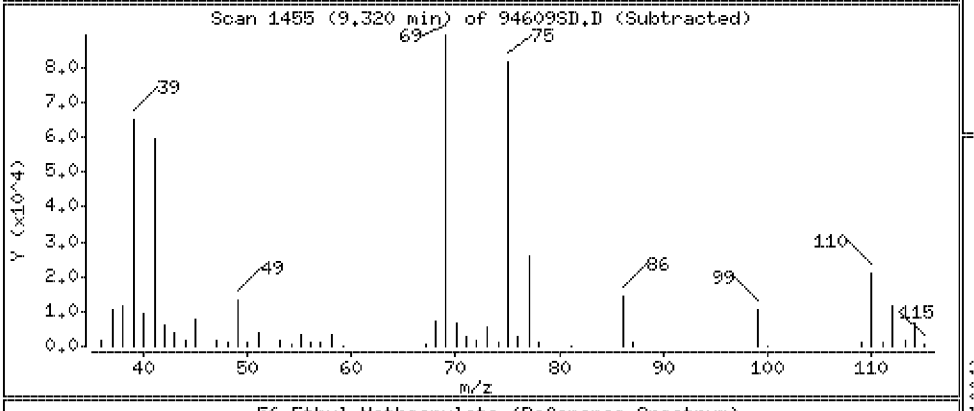
Column diameter: 0.18

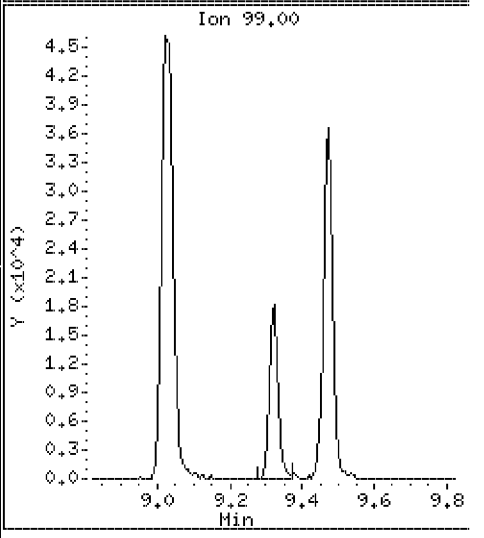
56 Ethyl Methacrylate

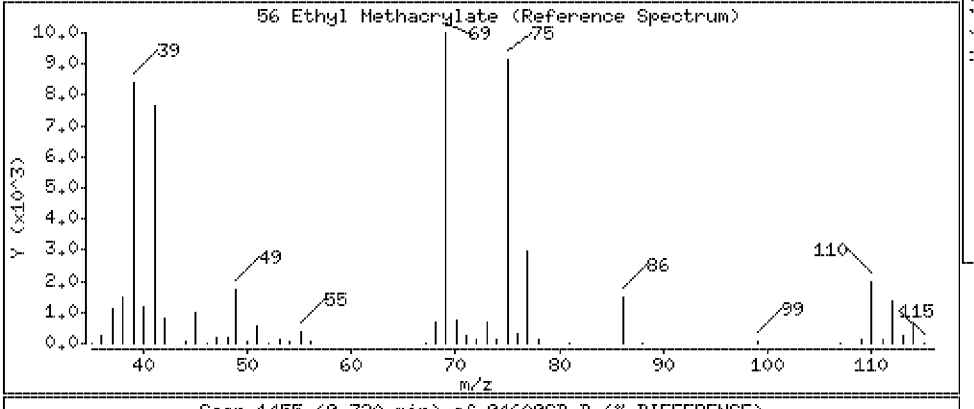
Concentration: 22.8 ug/l

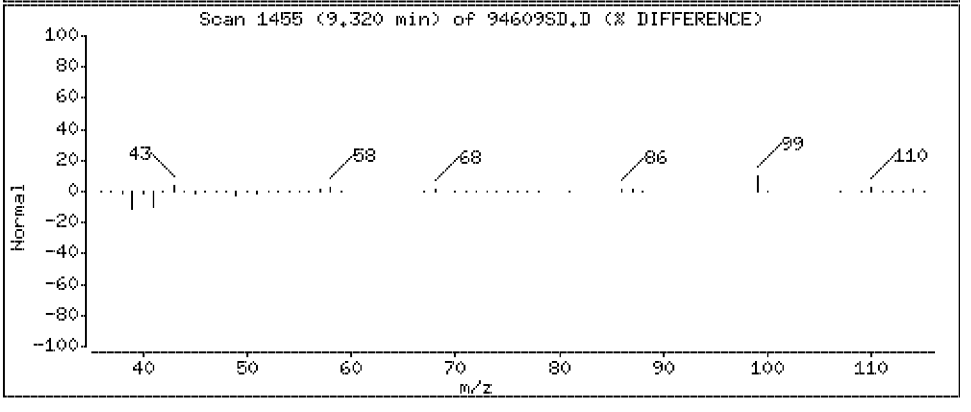












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

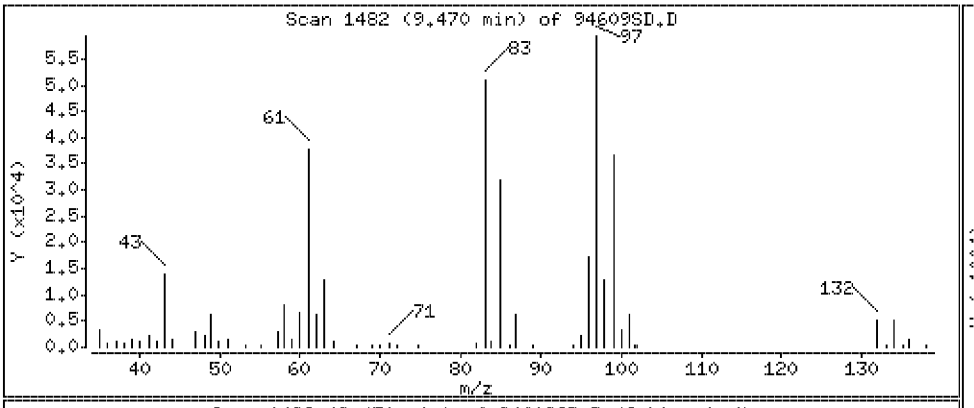
Operator:

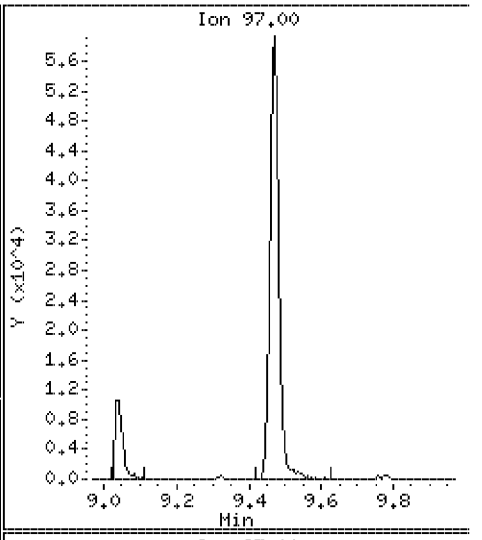
Column phase: DB-624

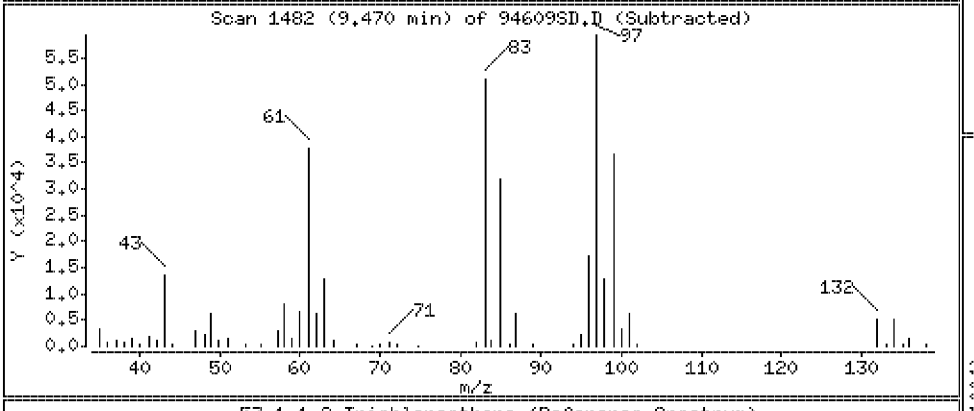
Column diameter: 0.18

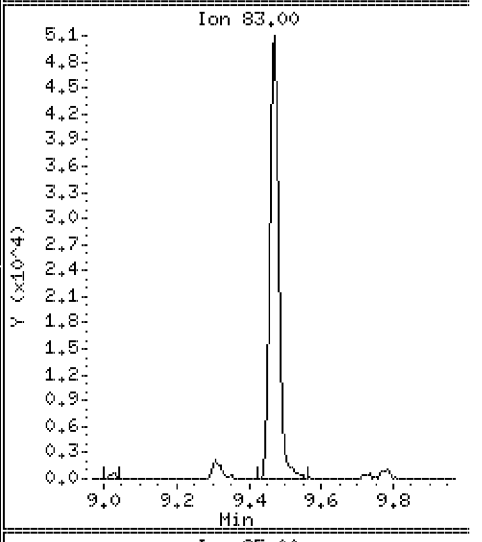
57 1,1,2-Trichloroethane

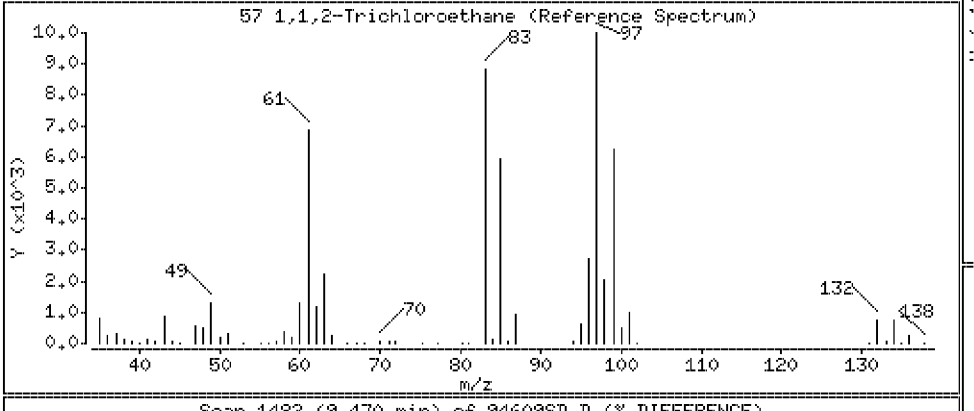
Concentration: 21.4 ug/l

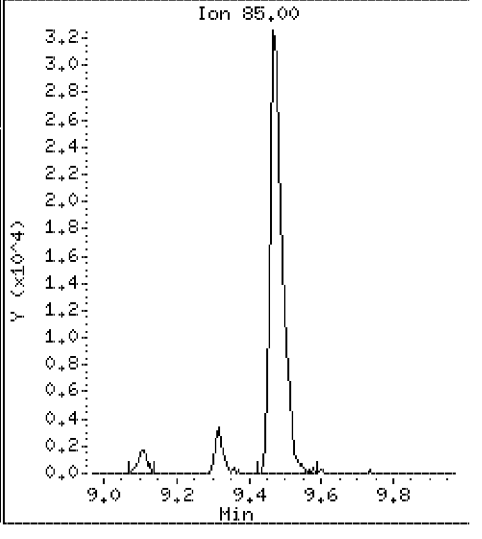


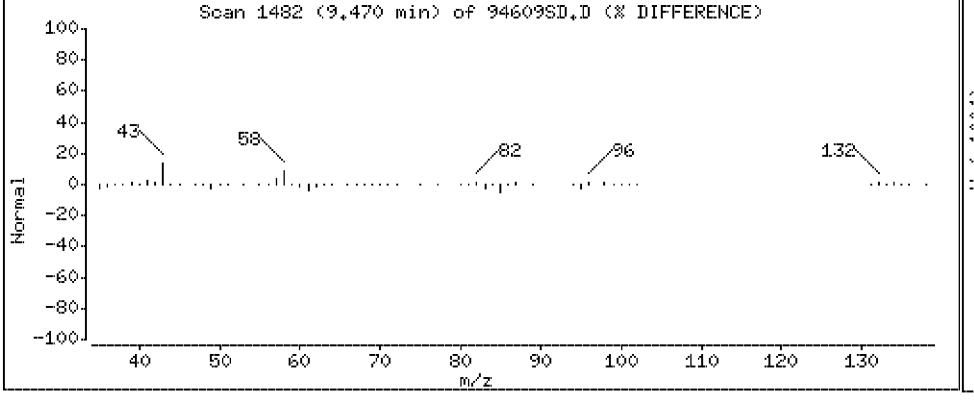












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

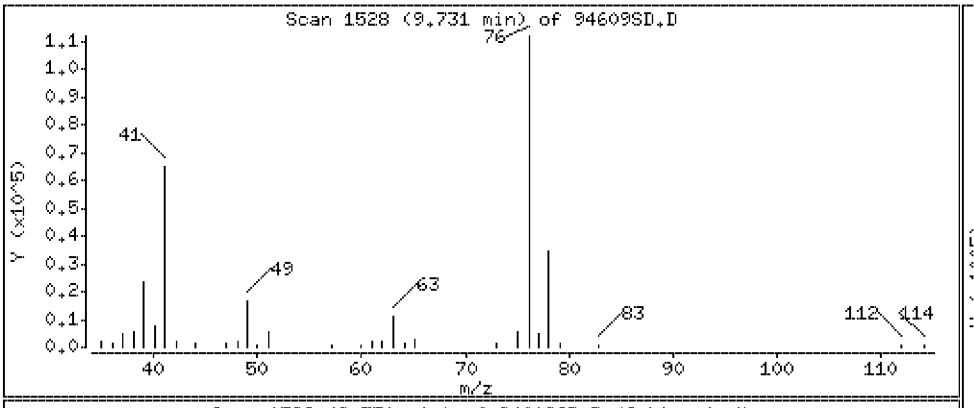
Operator:

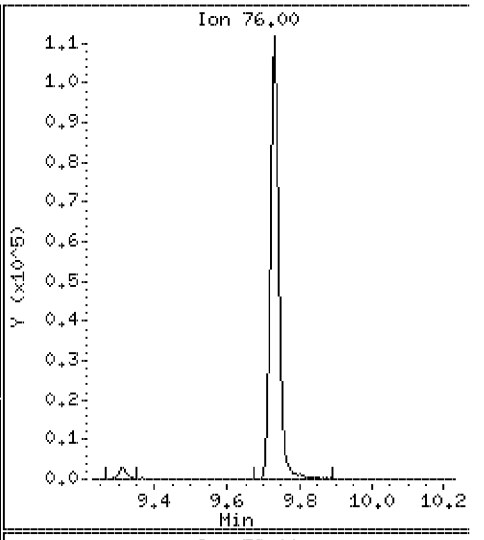
Column phase: DB-624

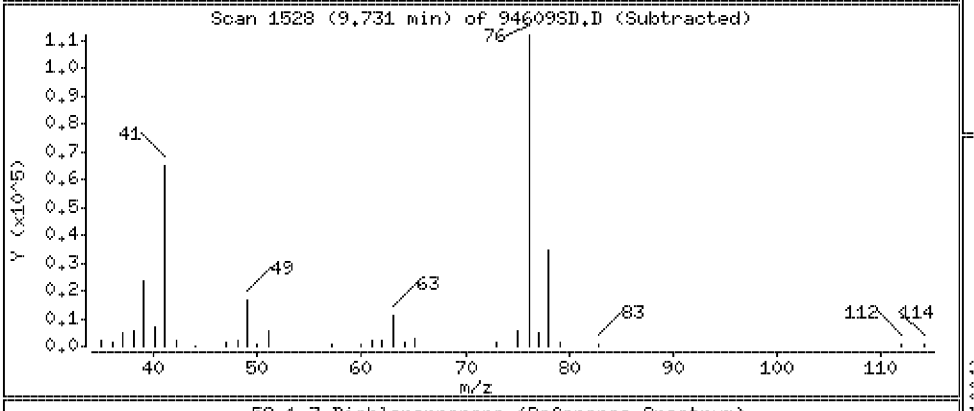
Column diameter: 0.18

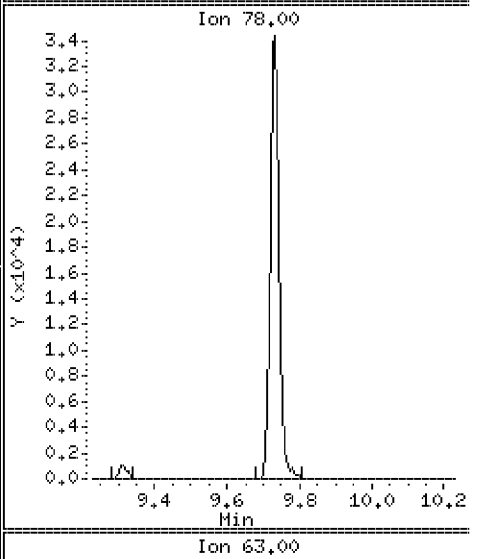
58 1,3-Dichloropropane

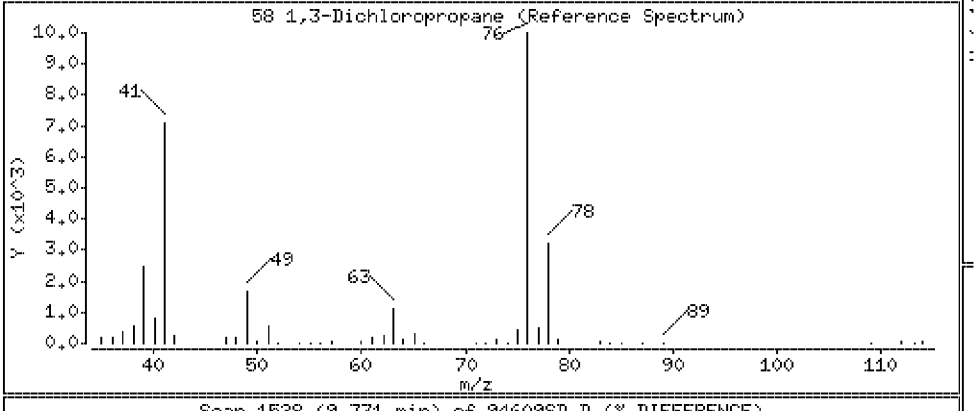
Concentration: 20.6 ug/l

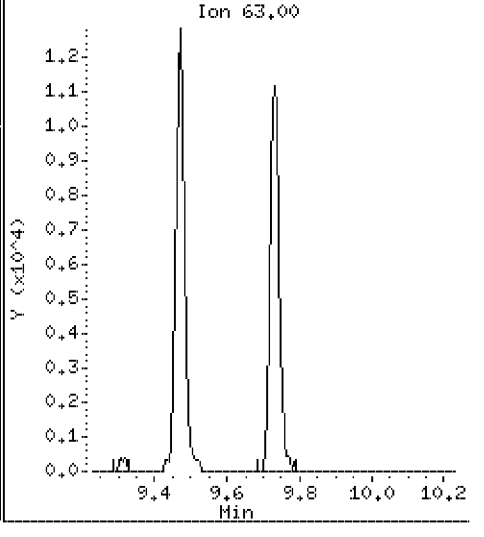


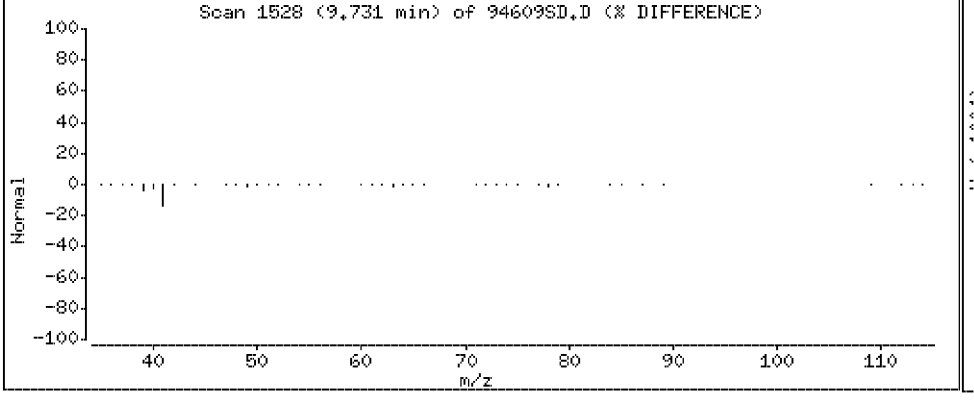












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

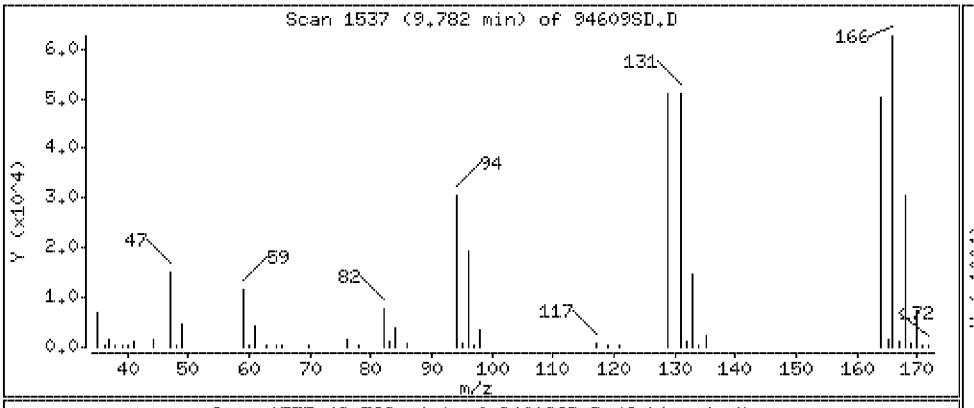
Operator:

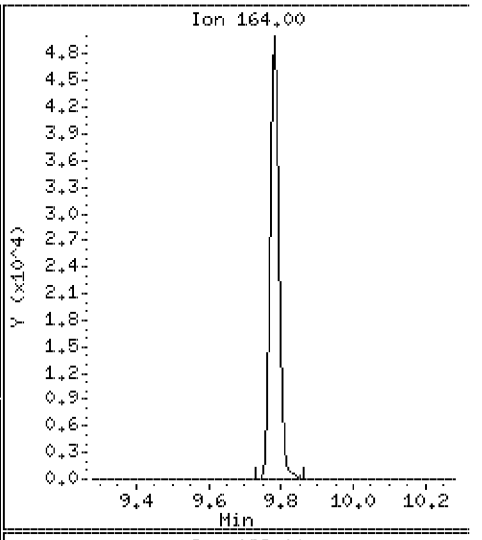
Column phase: DB-624

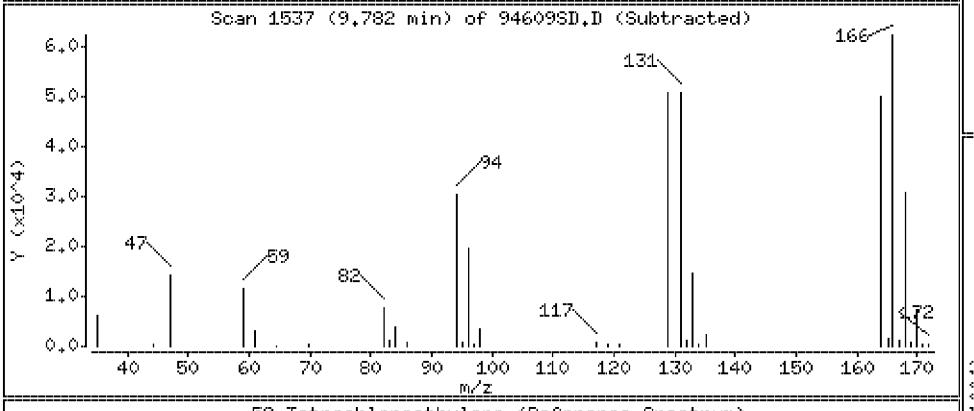
Column diameter: 0.18

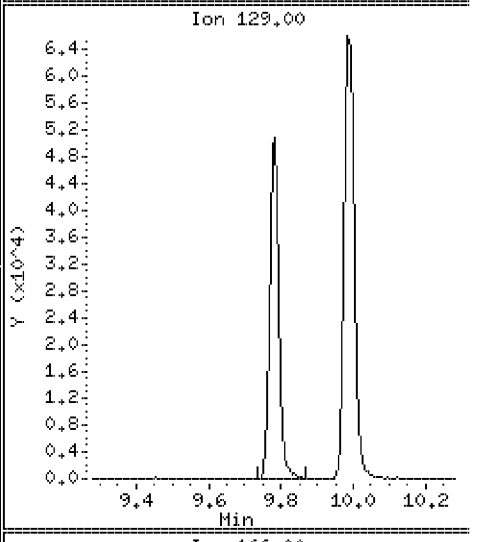
59 Tetrachloroethylene

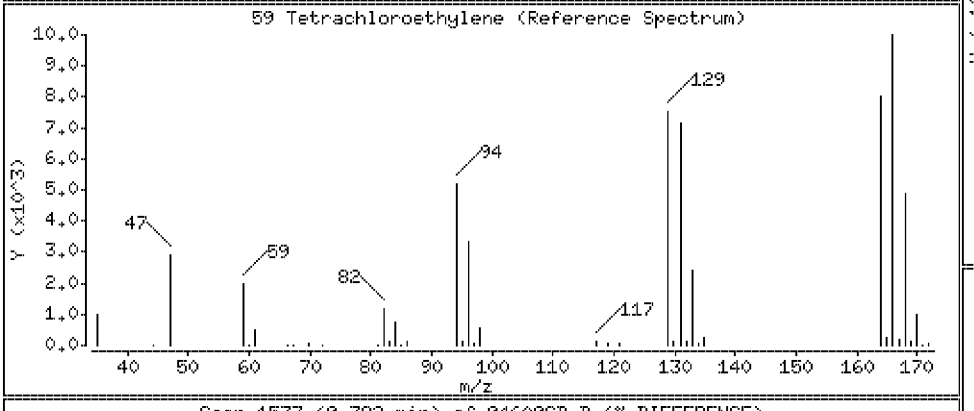
Concentration: 21.8 ug/l

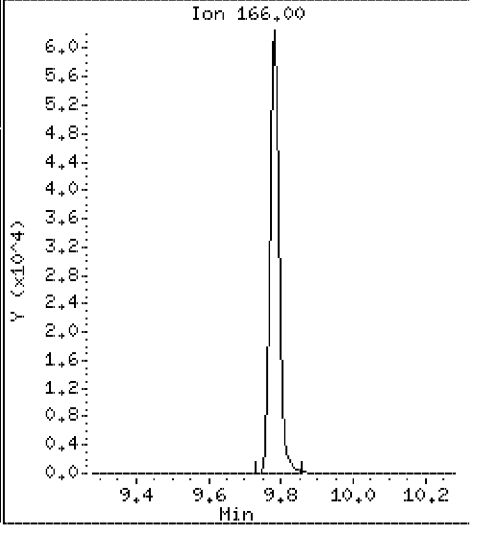


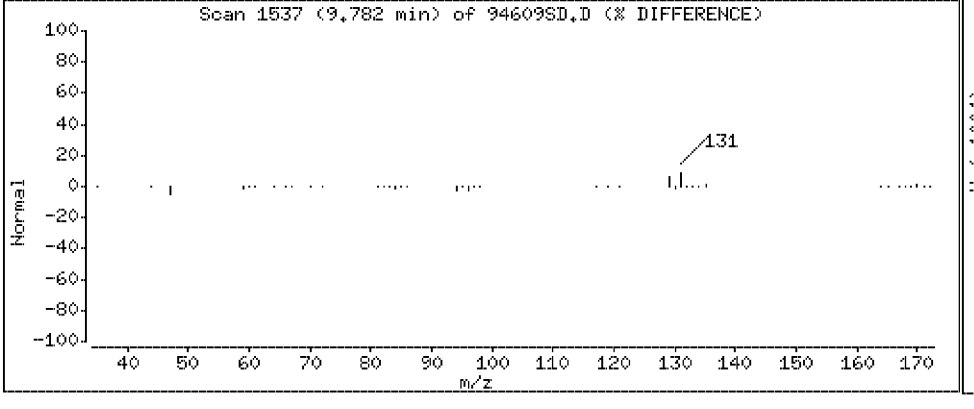












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

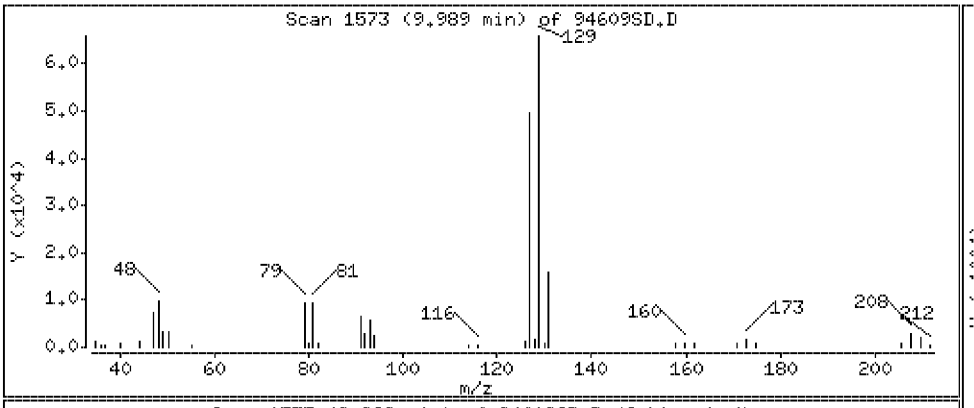
Operator:

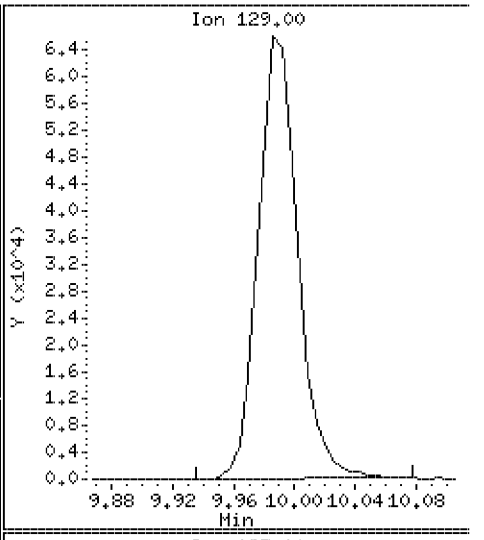
Column phase: DB-624

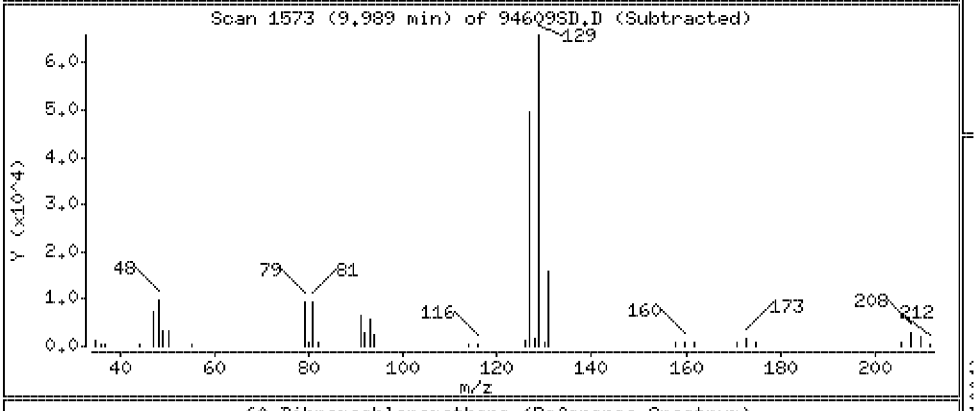
Column diameter: 0.18

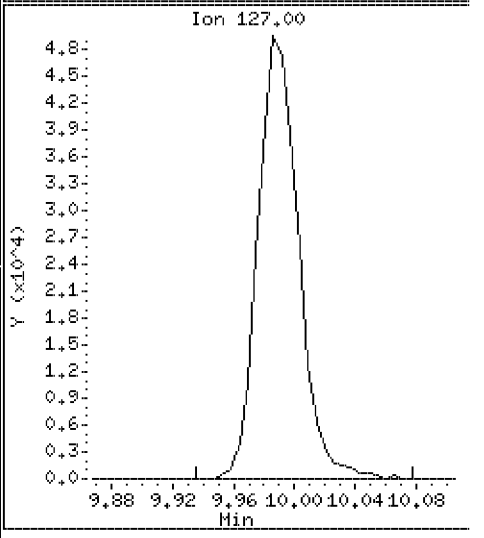
60 Dibromochloromethane

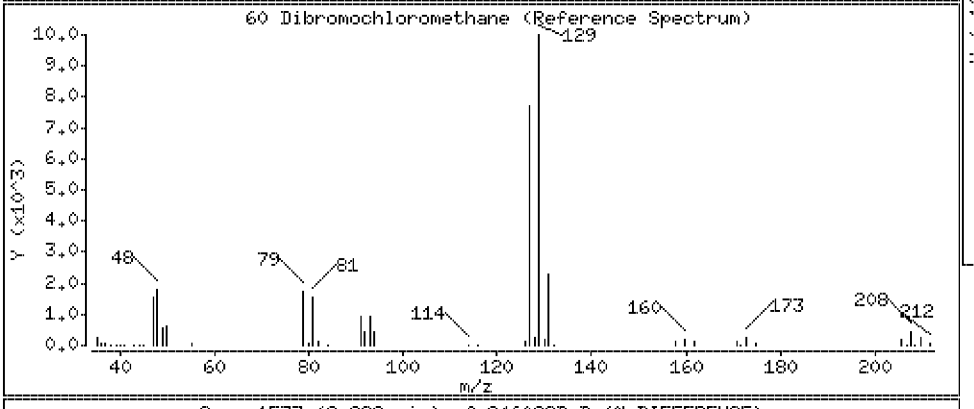
Concentration: 22.1 ug/l

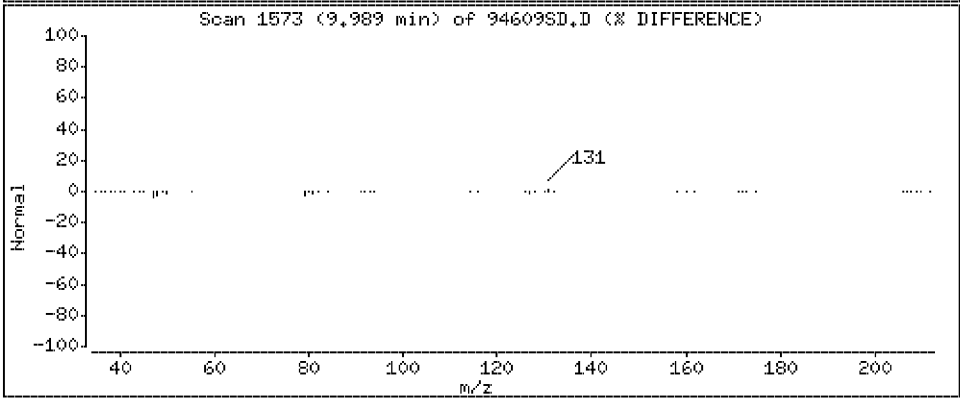












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

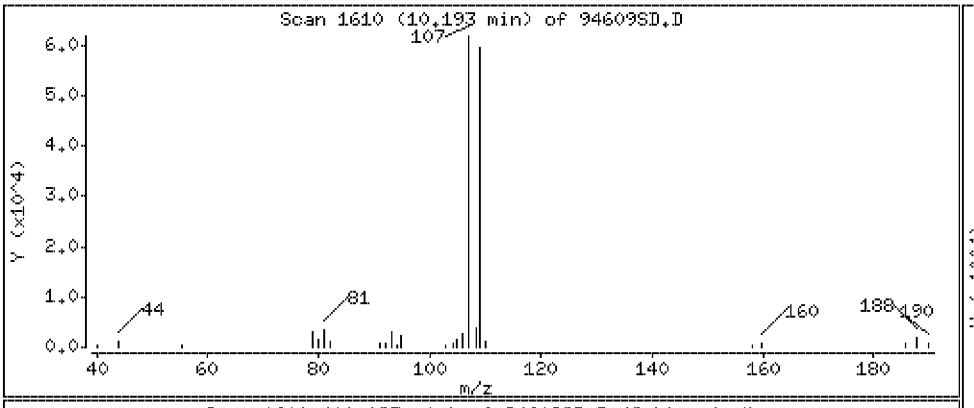
Operator:

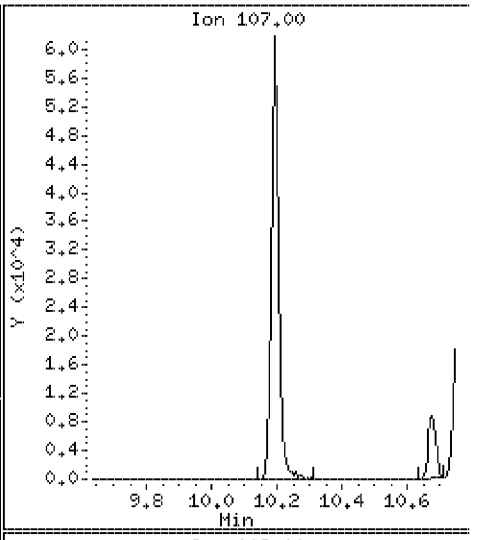
Column phase: DB-624

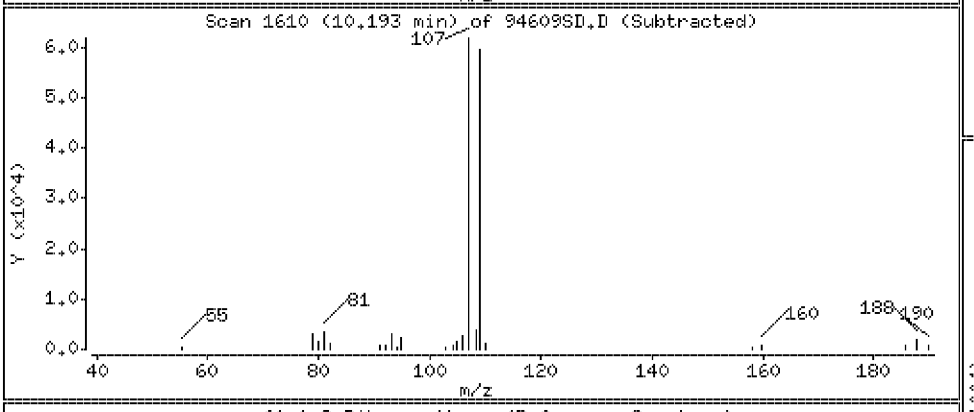
Column diameter: 0.18

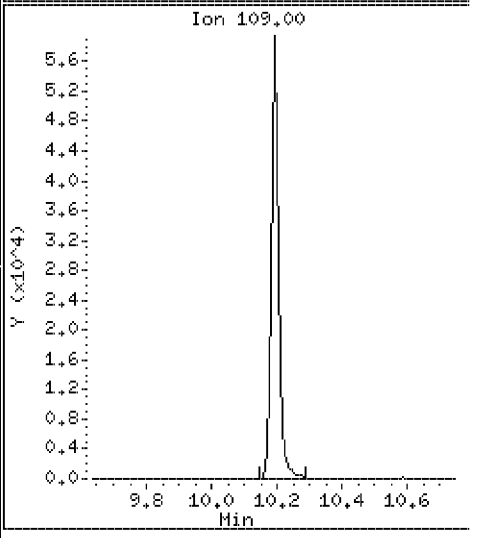
61 1,2-Dibromoethane

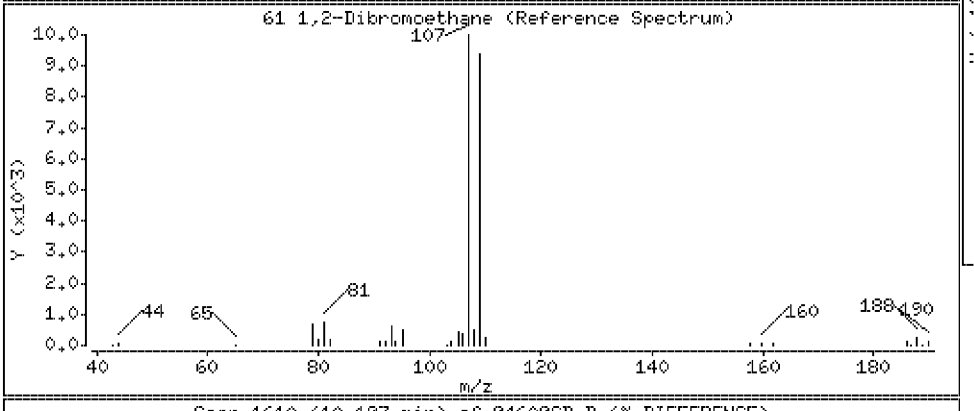
Concentration: 21.3 ug/l

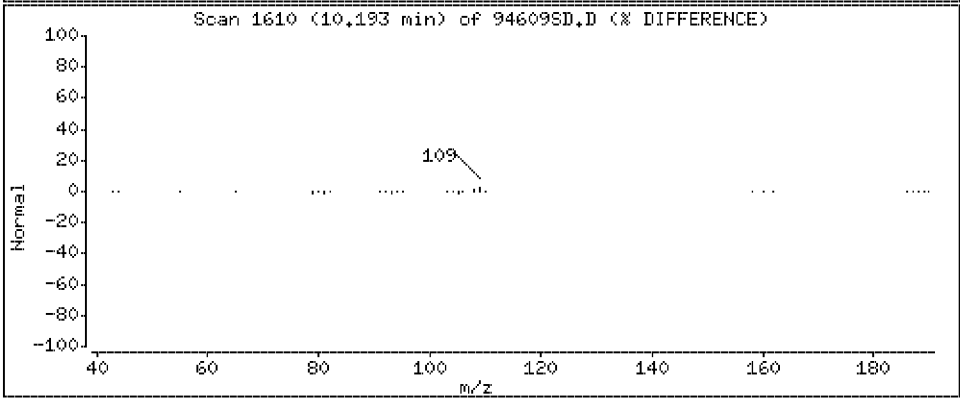












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

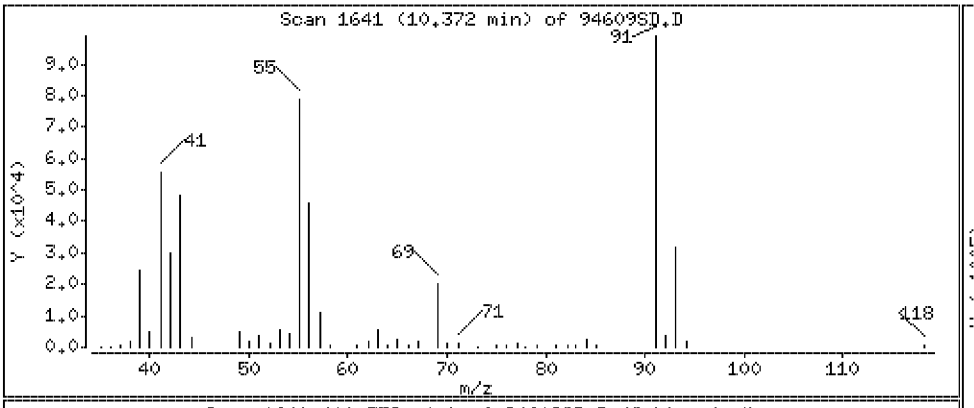
Operator:

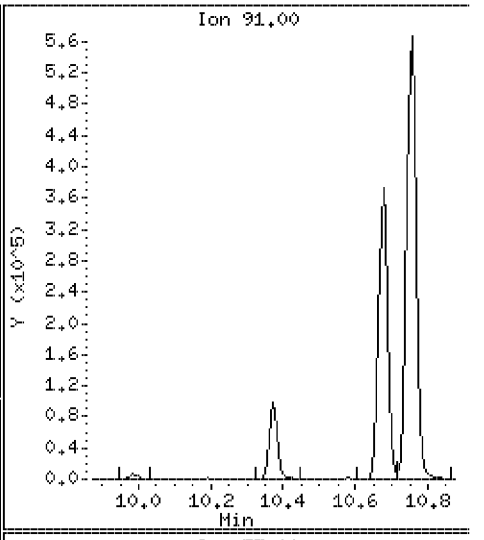
Column phase: DB-624

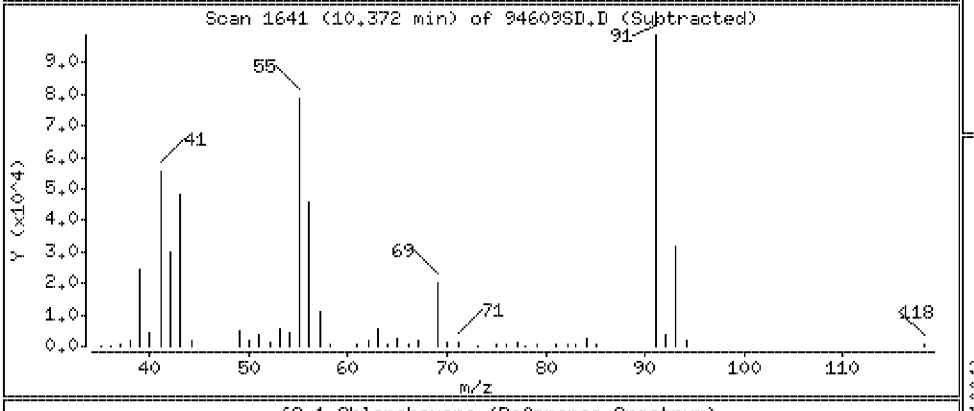
Column diameter: 0.18

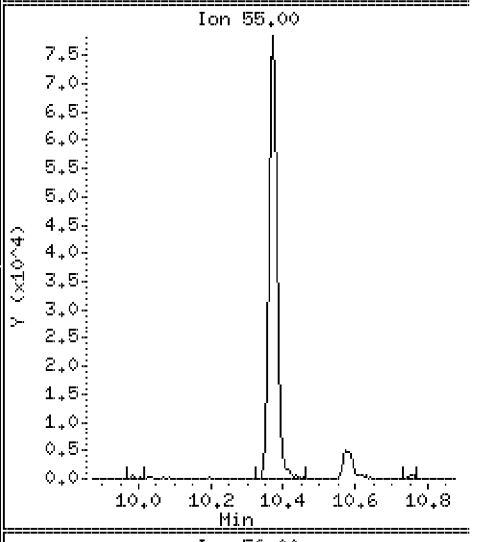
62 1-Chlorohexane

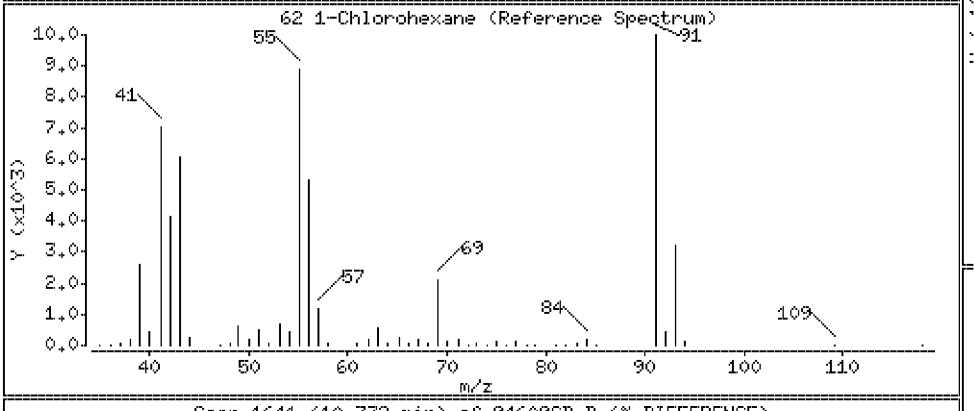
Concentration: 21.5 ug/l

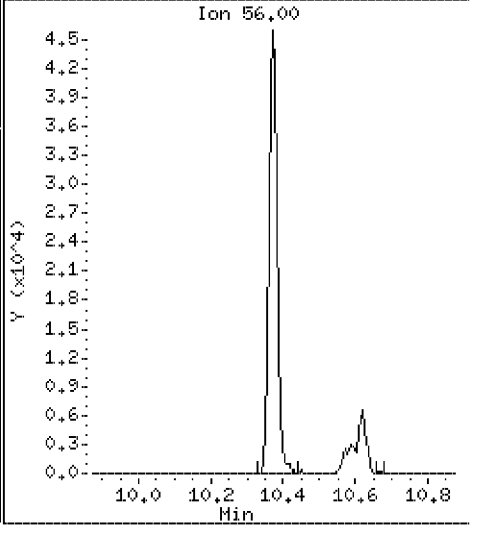


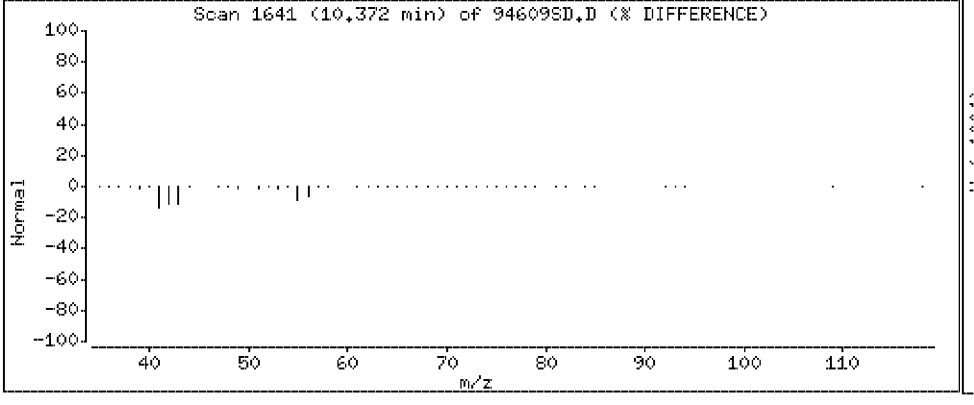












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

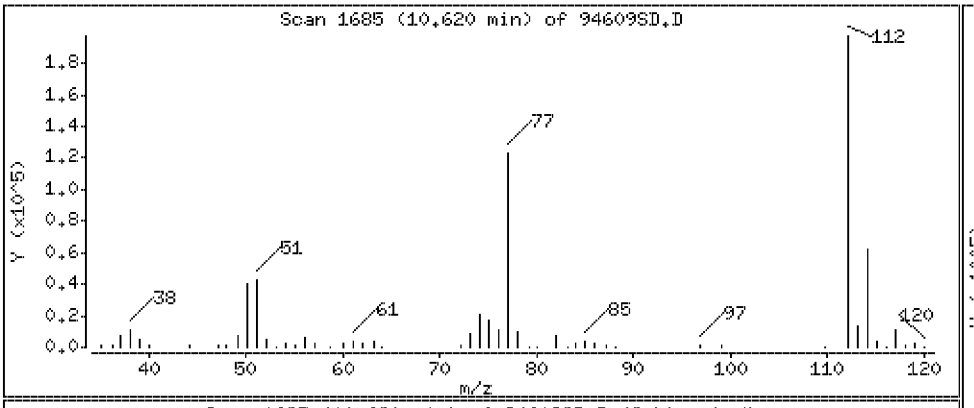
Operator:

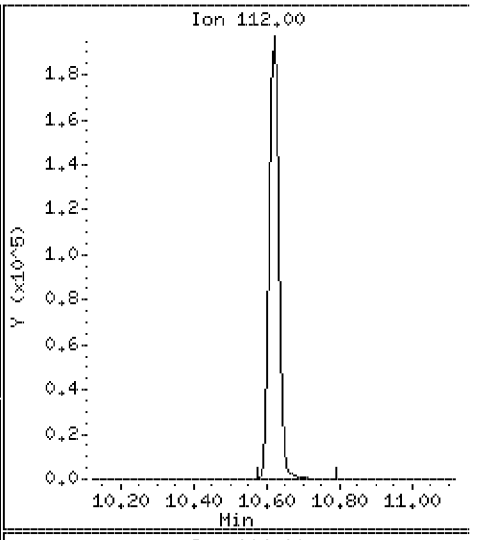
Column phase: DB-624

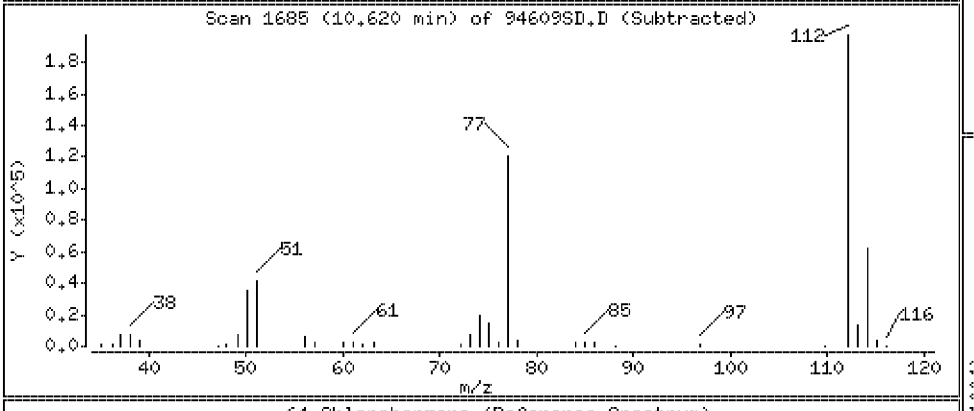
Column diameter: 0.18

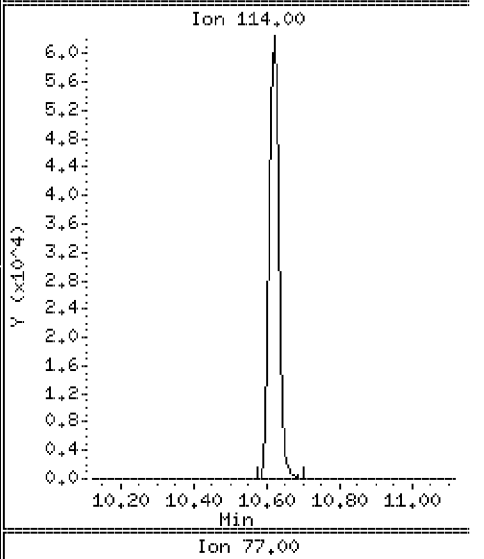
64 Chlorobenzene

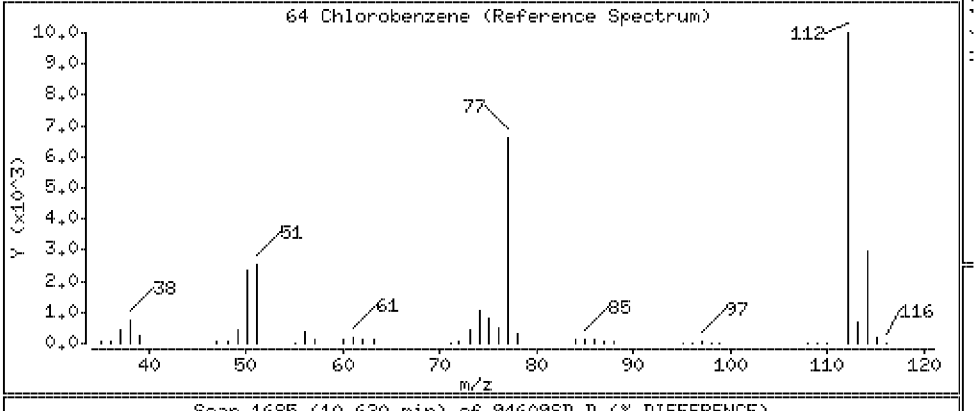
Concentration: 20.7 ug/l

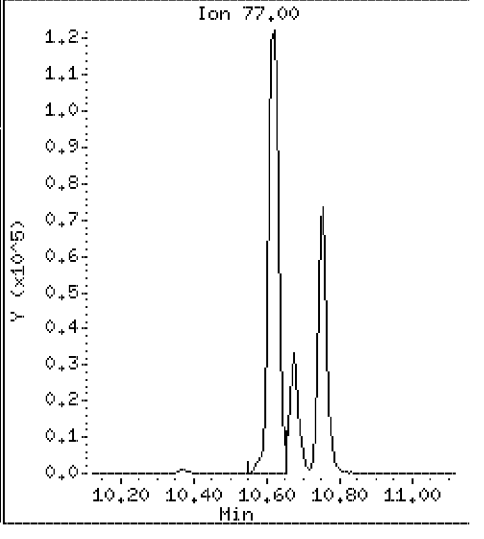


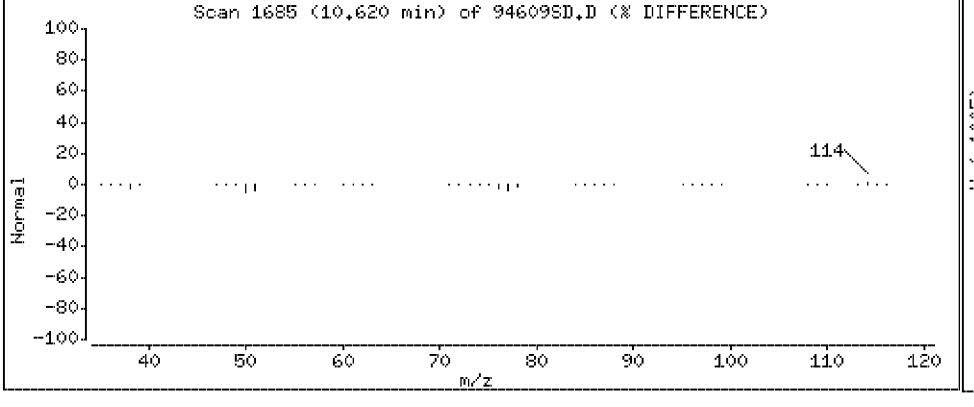












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

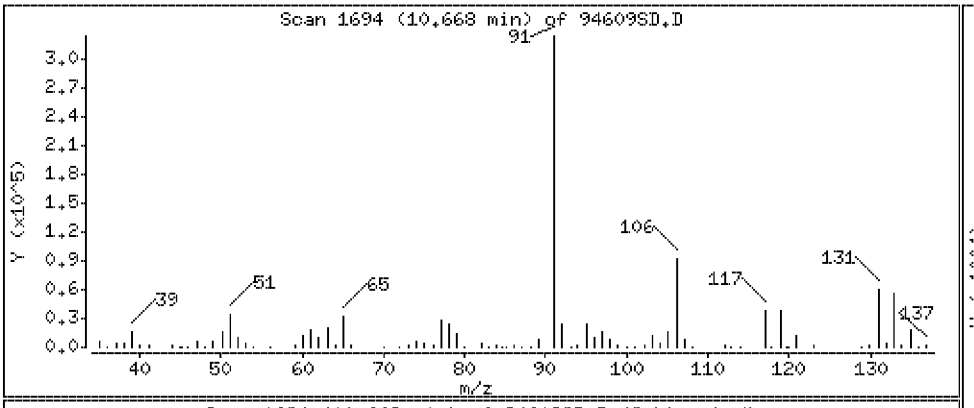
Operator:

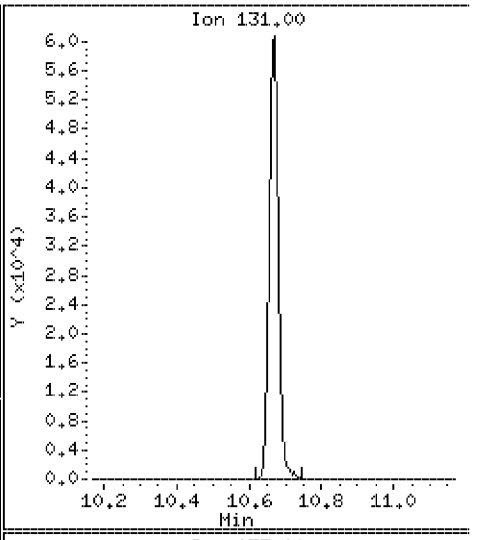
Column phase: DB-624

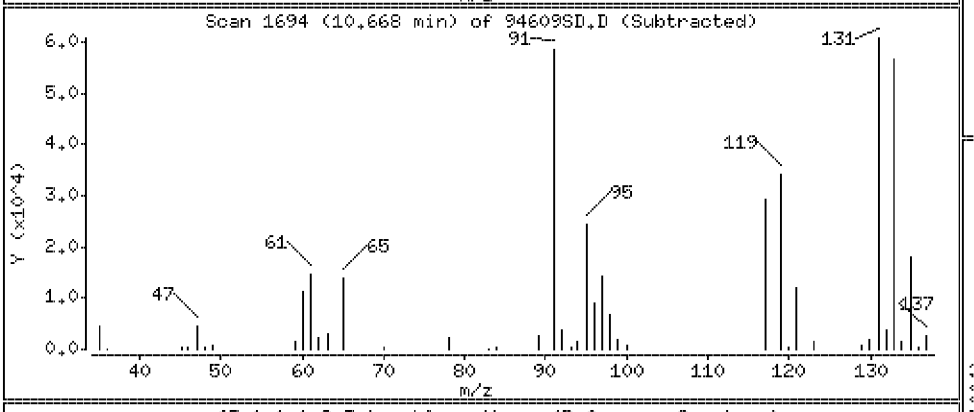
Column diameter: 0.18

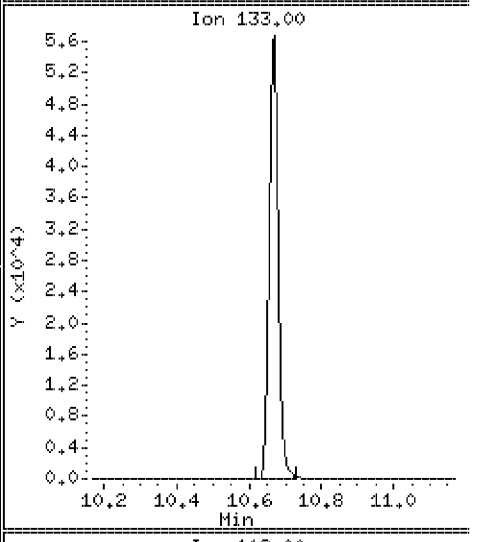
65 1,1,1,2-Tetrachloroethane

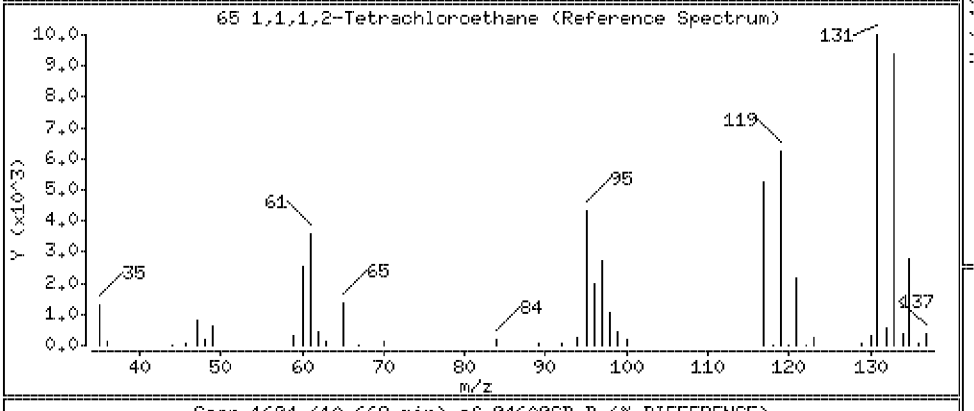
Concentration: 22.8 ug/l

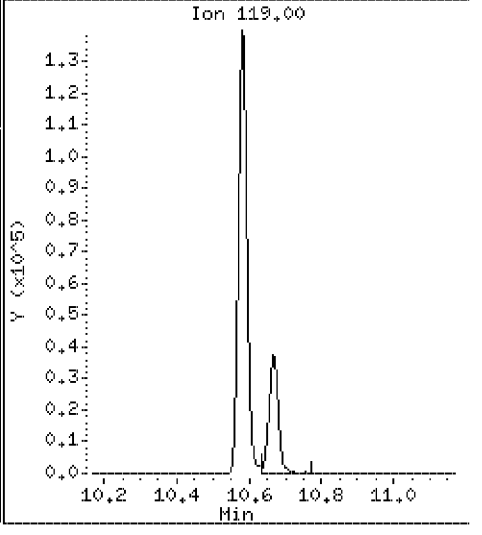


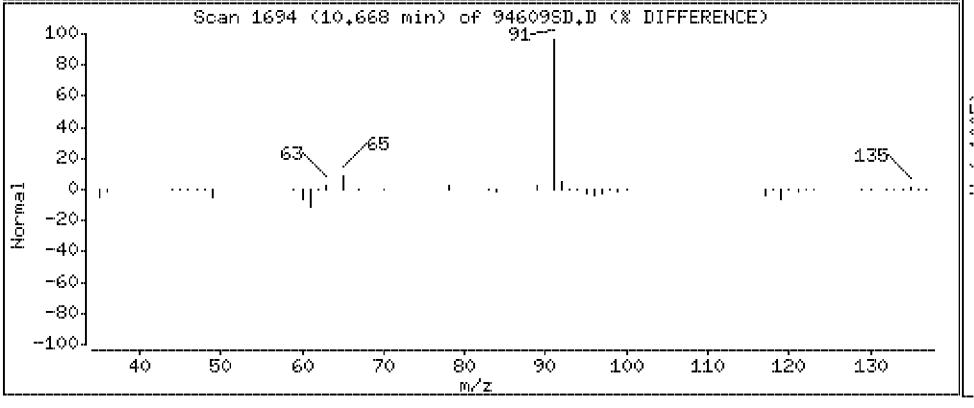












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

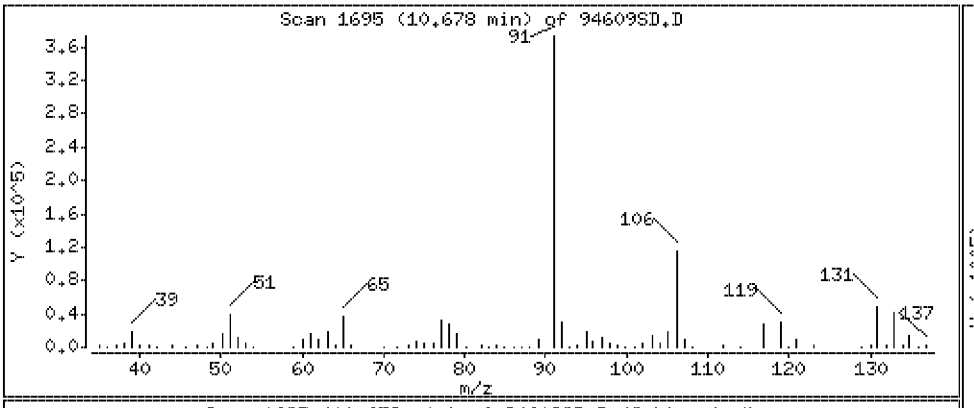
Operator:

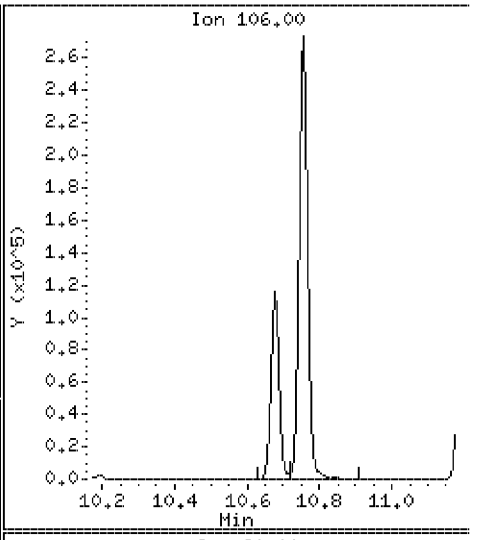
Column phase: DB-624

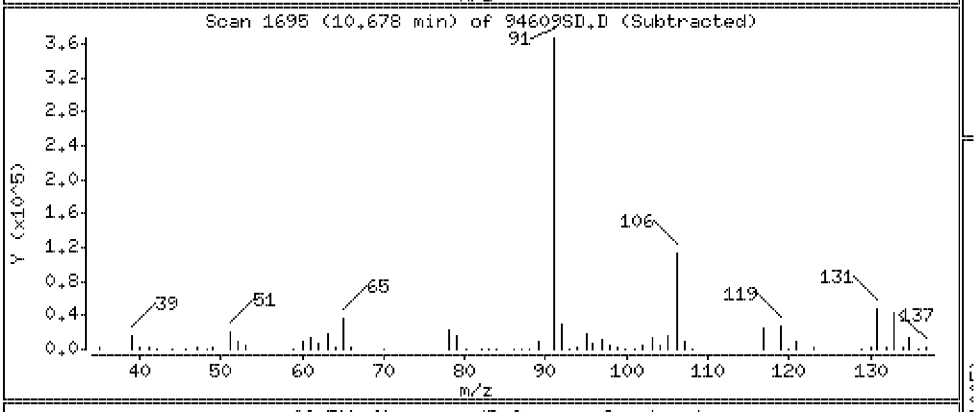
Column diameter: 0.18

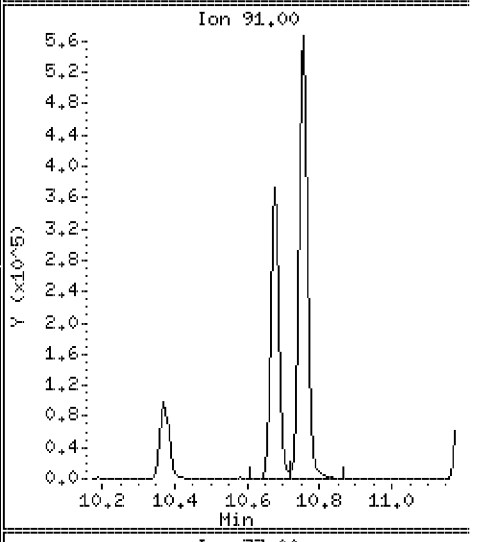
66 Ethylbenzene

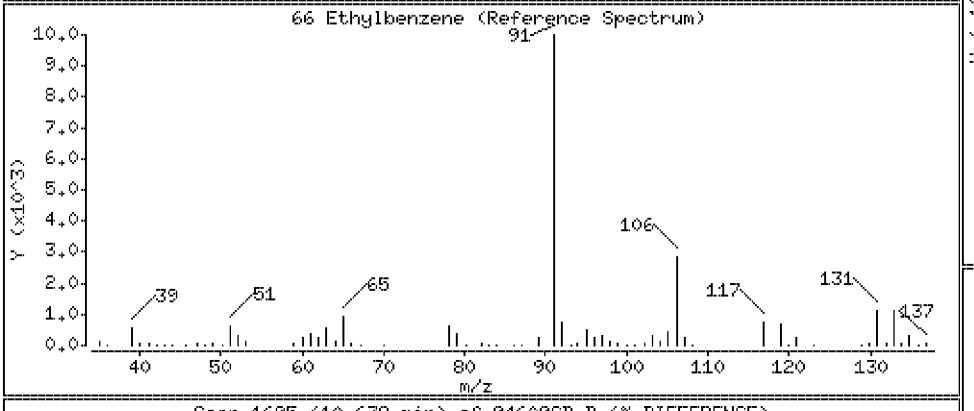
Concentration: 21.3 ug/l

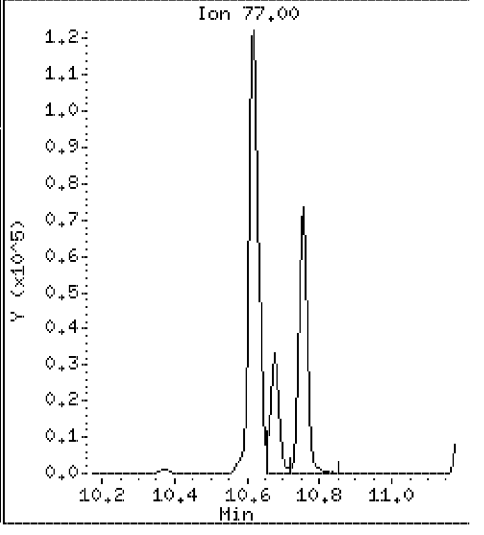


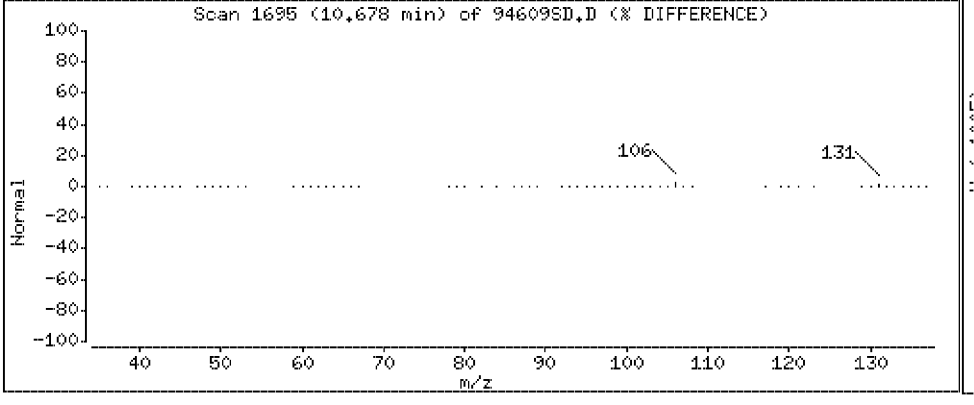












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

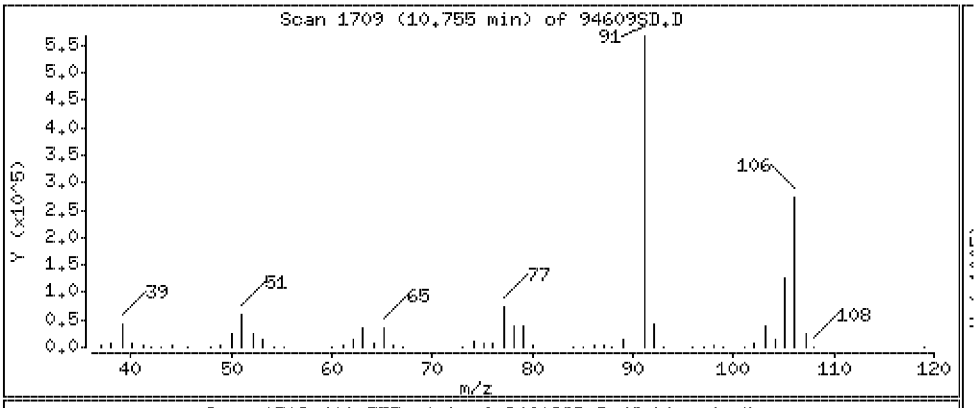
Operator:

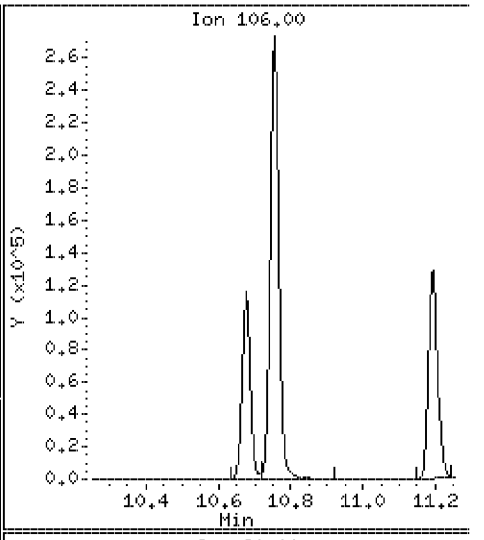
Column phase: DB-624

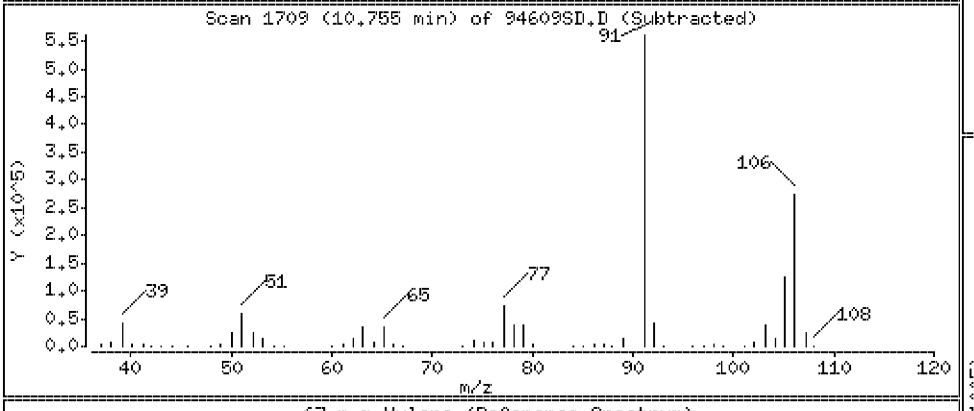
Column diameter: 0.18

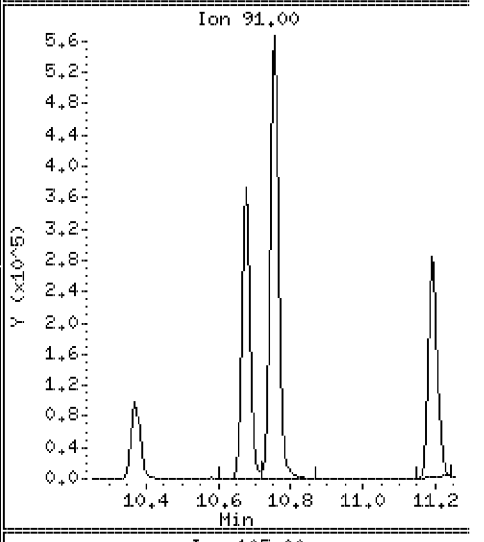
67 p,m-Xylene

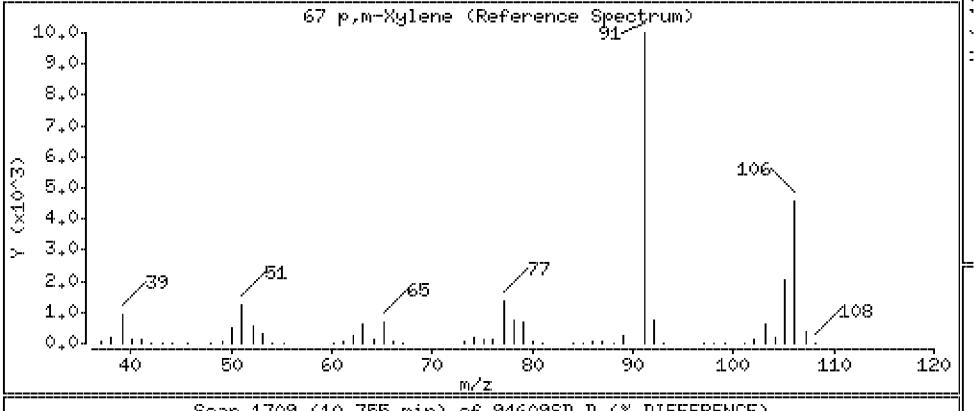
Concentration: 43.1 ug/l

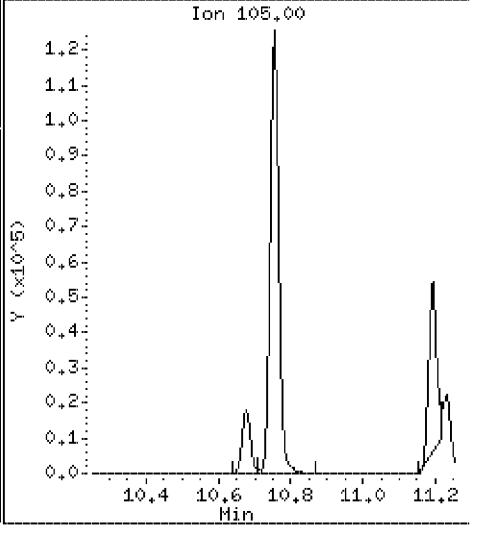


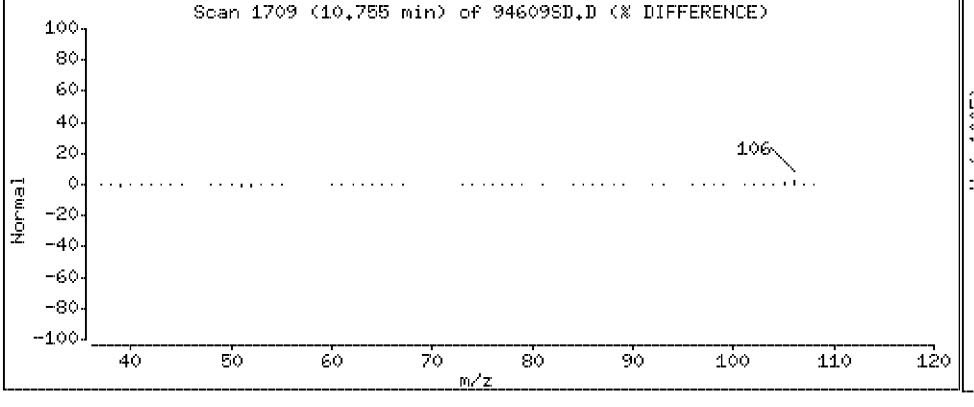












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Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

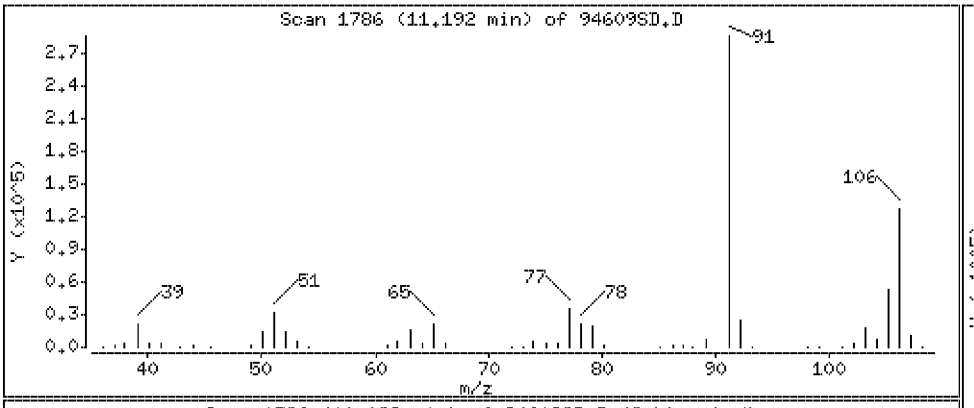
Operator:

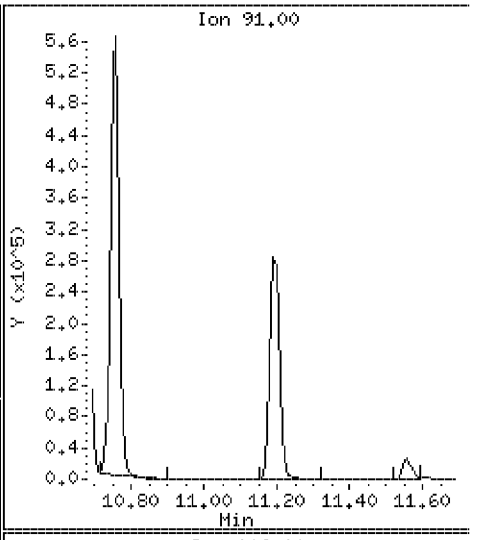
Column phase: DB-624

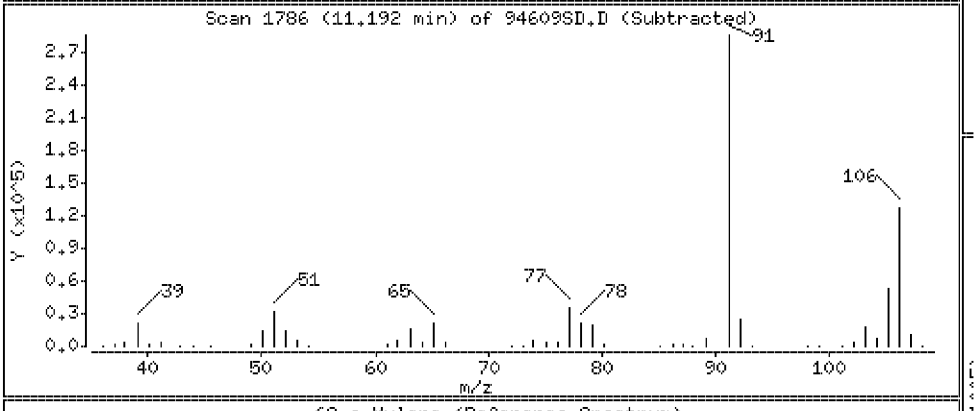
Column diameter: 0.18

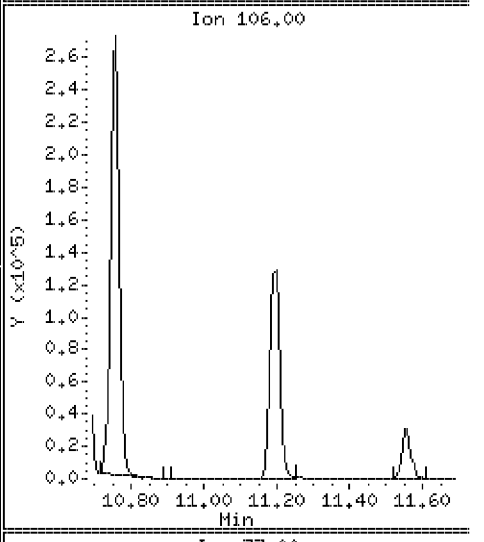
68 o-Xylene

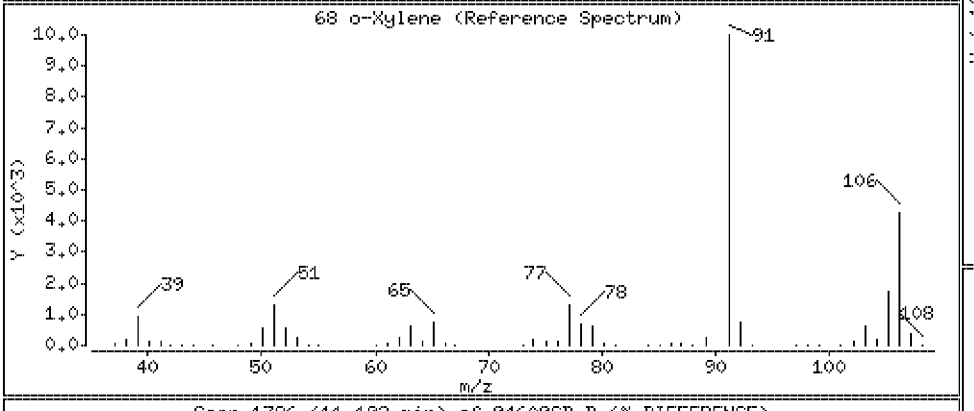
Concentration: 21.6 ug/l

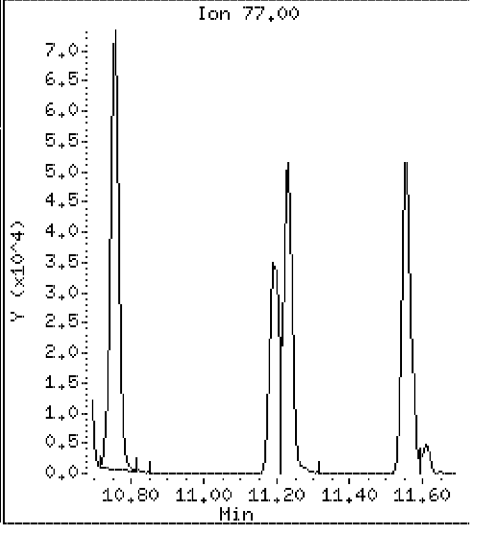


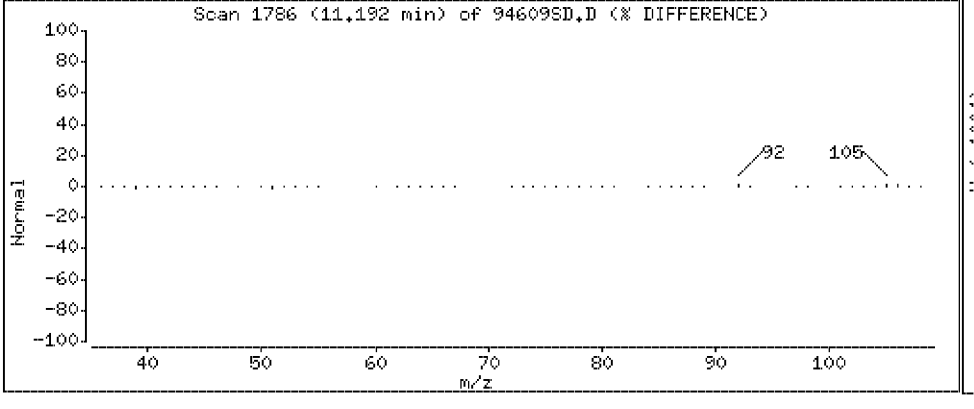












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

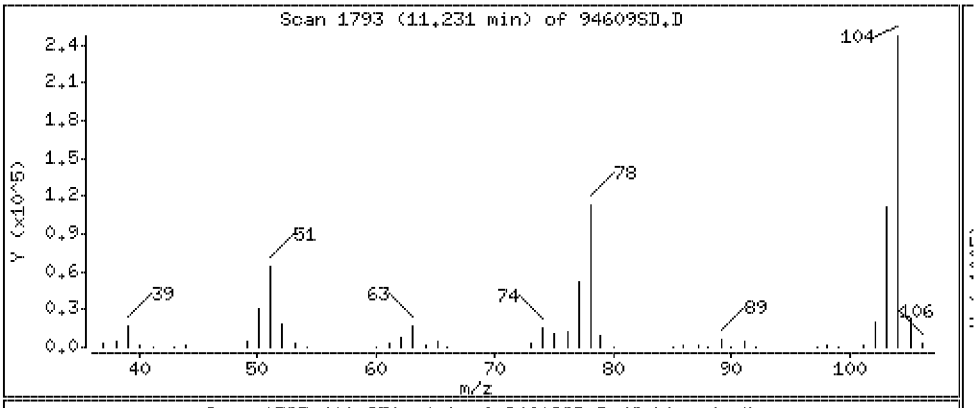
Operator:

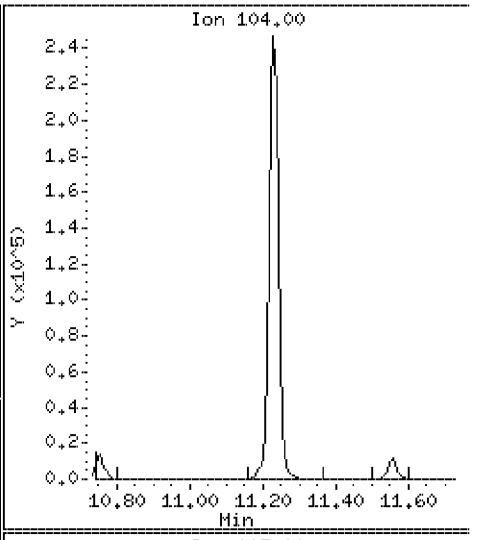
Column phase: DB-624

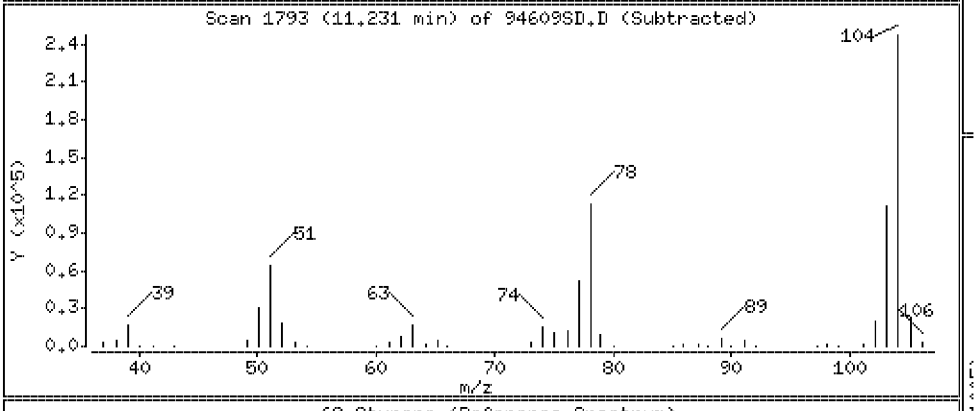
Column diameter: 0.18

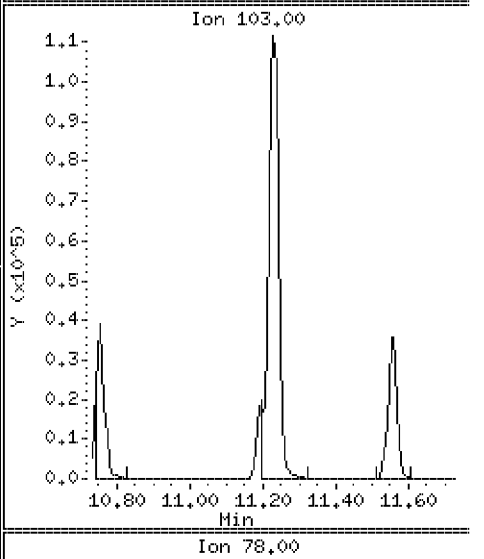
69 Styrene

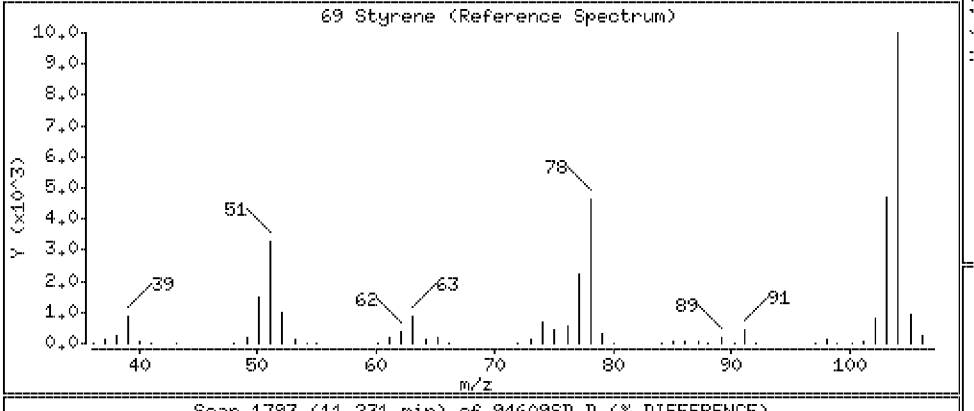
Concentration: 21.4 ug/l

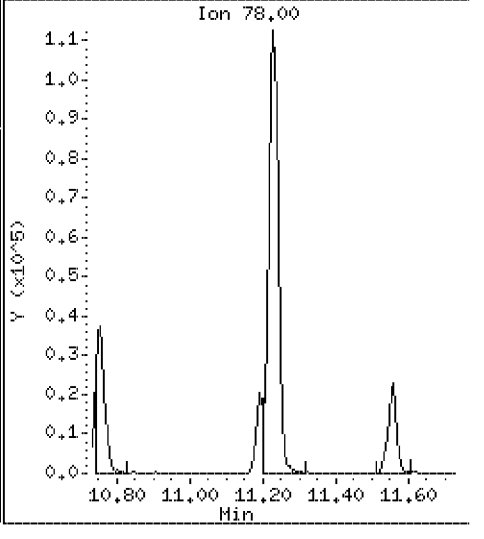


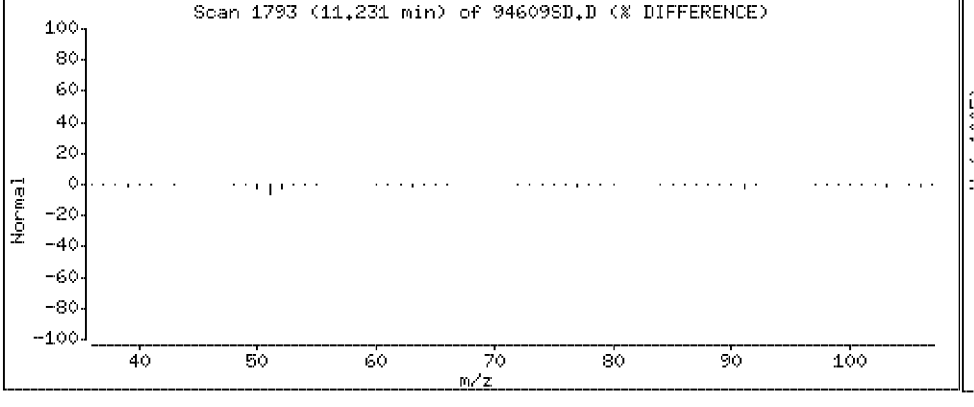












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

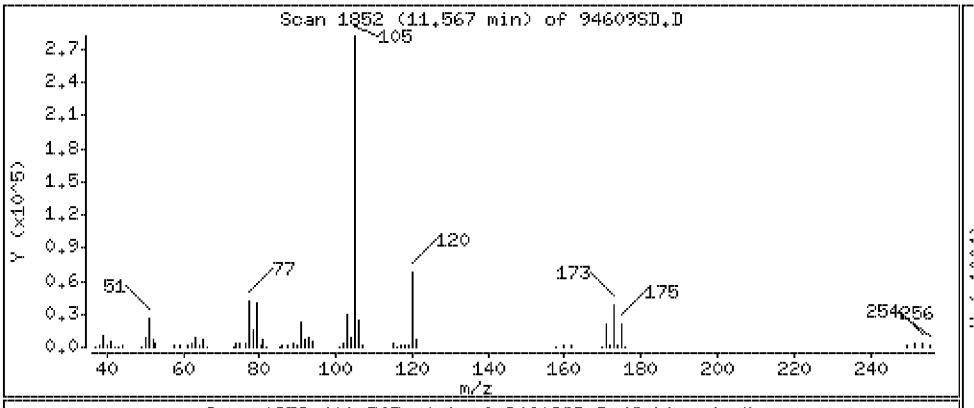
Operator:

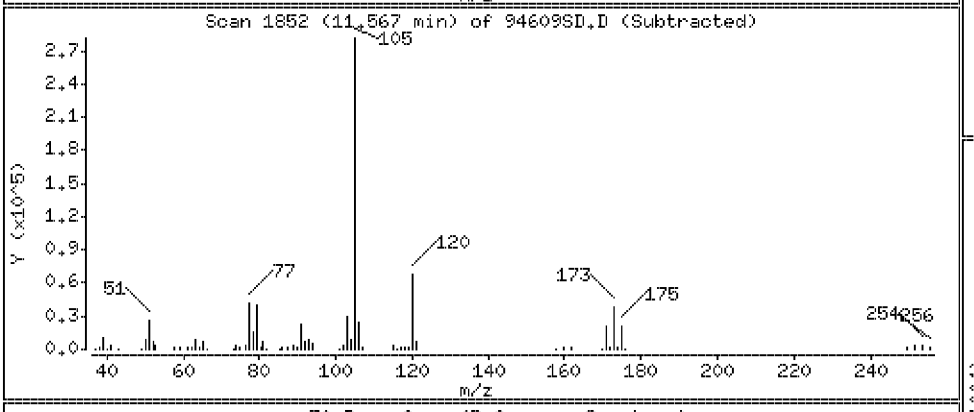
Column phase: DB-624

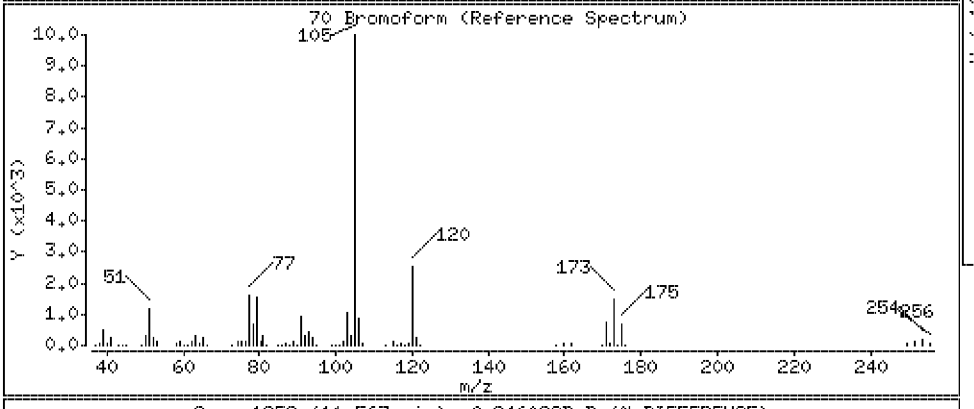
Column diameter: 0.18

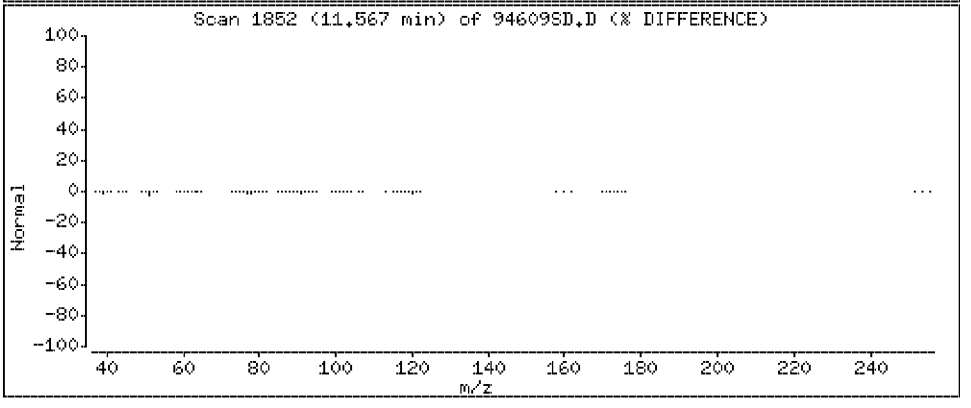
70 Bromoform

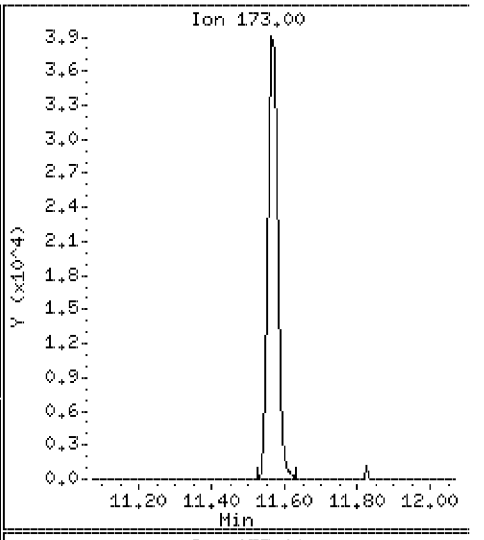
Concentration: 21.9 ug/l

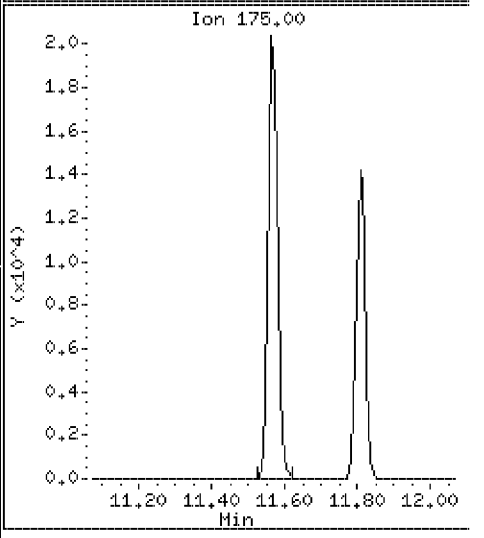












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

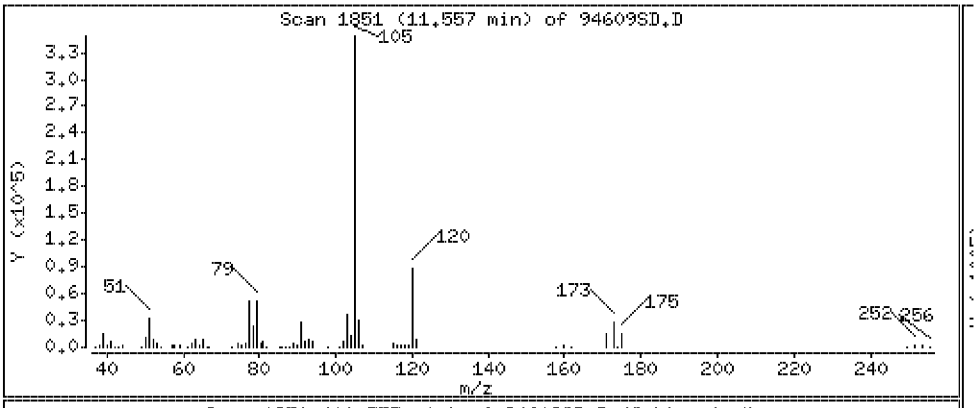
Operator:

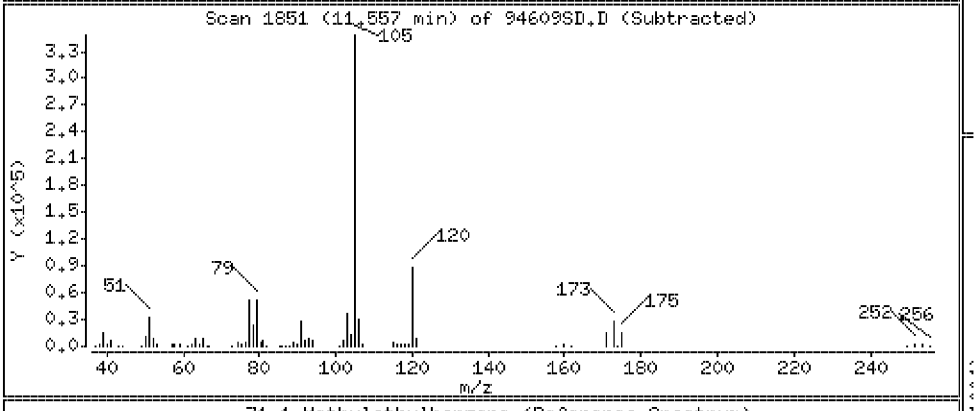
Column phase: DB-624

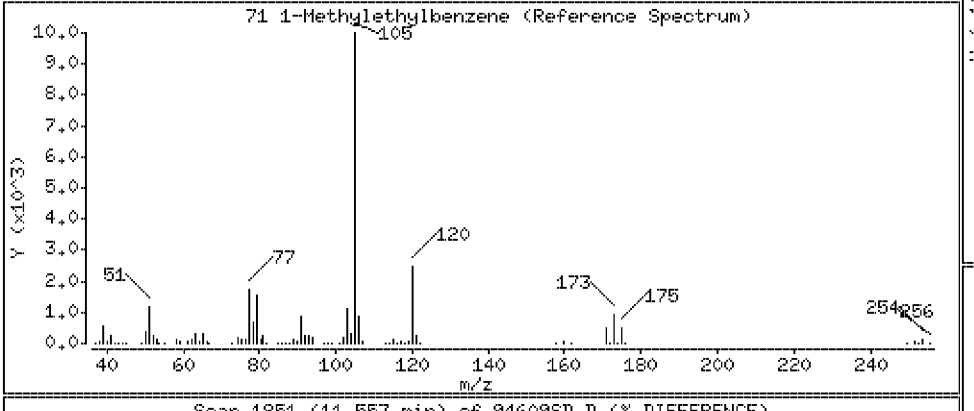
Column diameter: 0.18

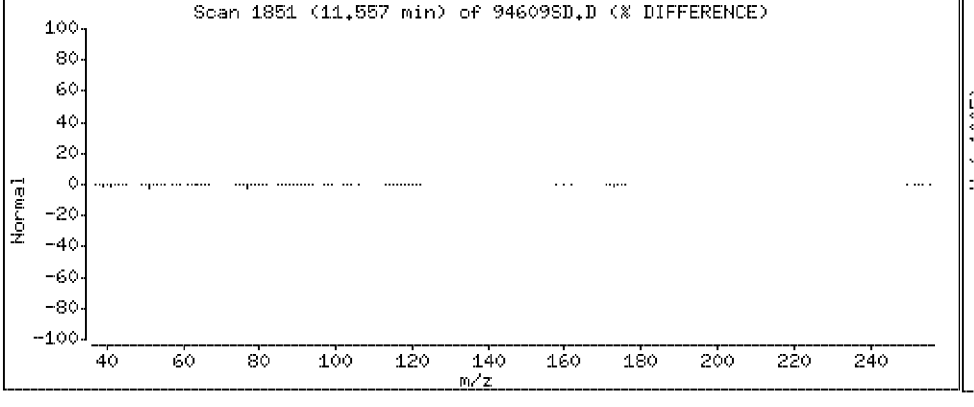
71 1-Methylethylbenzene

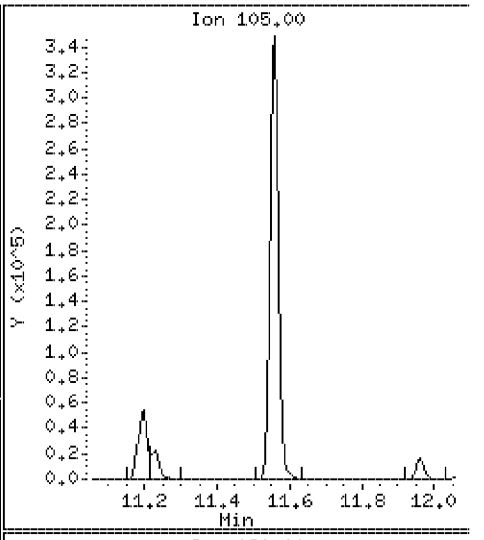
Concentration: 20.9 ug/l

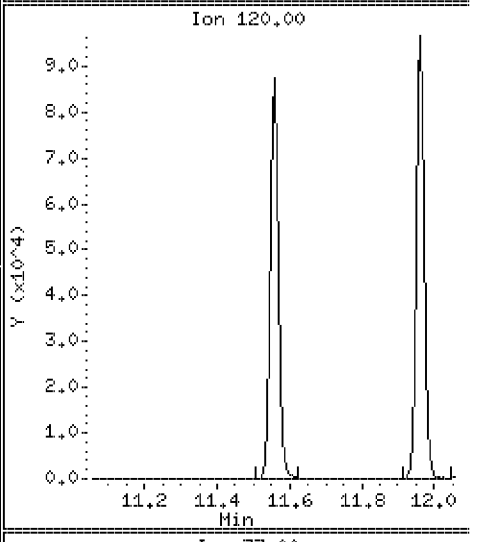


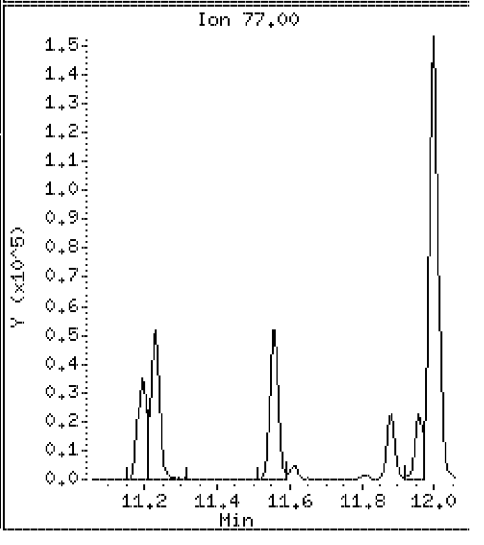












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

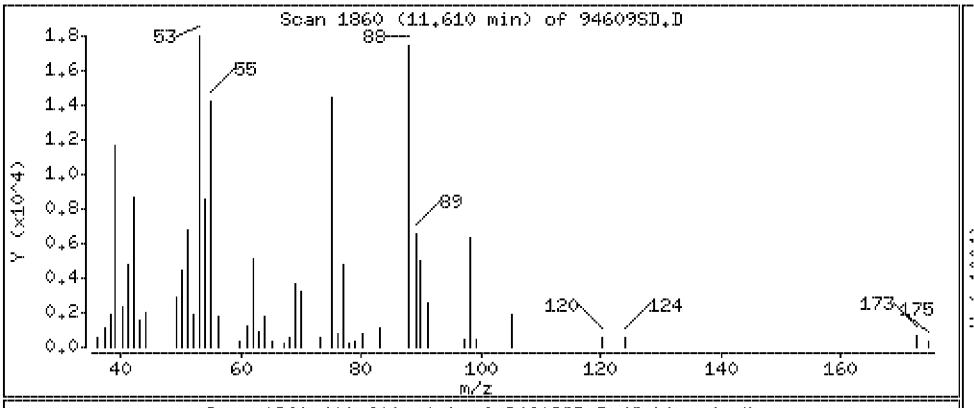
Operator:

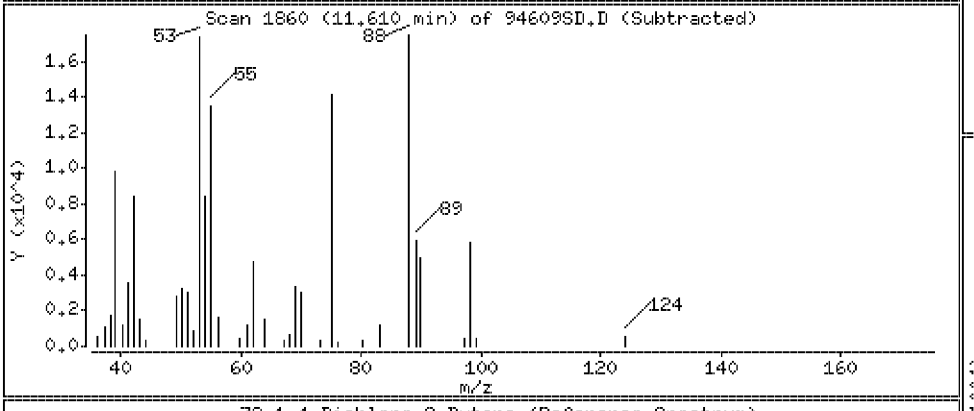
Column phase: DB-624

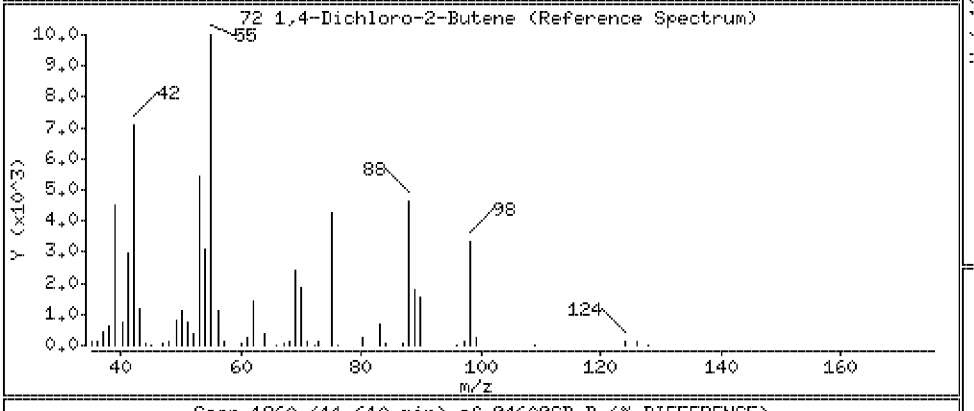
Column diameter: 0.18

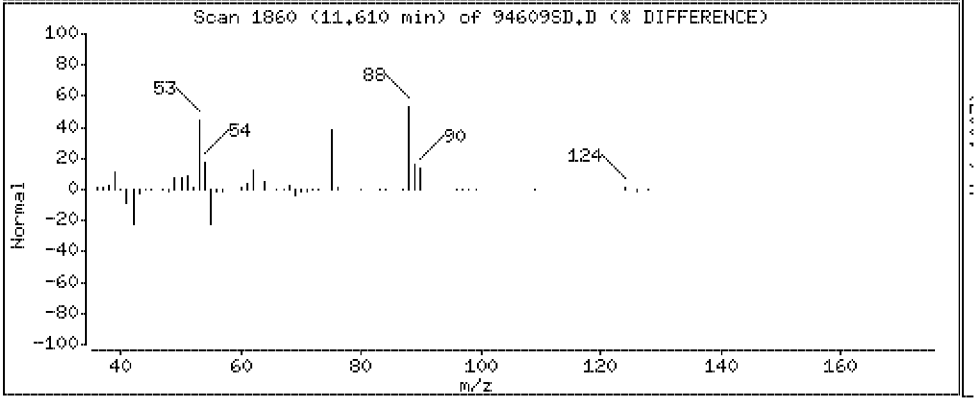
72 1,4-Dichloro-2-Butene

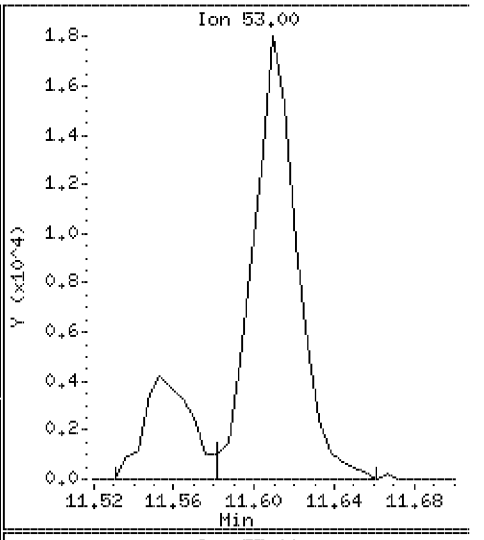
Concentration: 22.5 ug/l

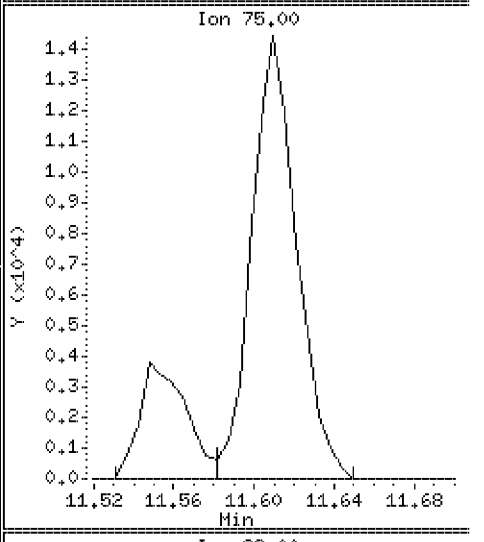


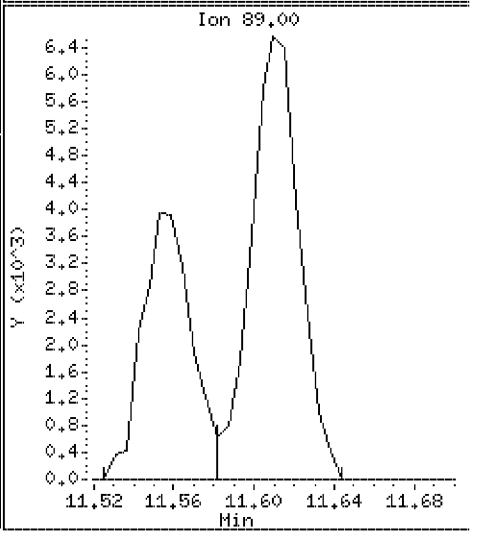












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

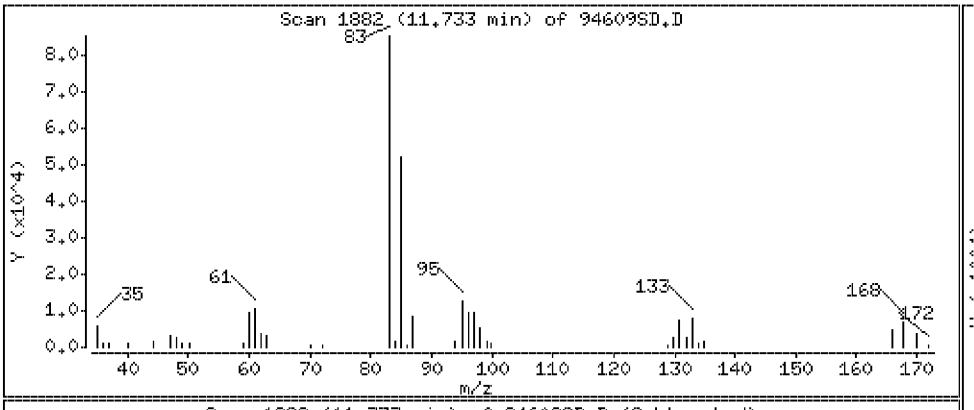
Operator:

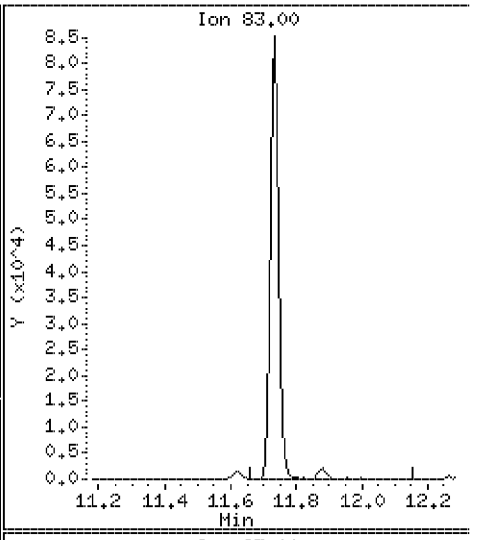
Column phase: DB-624

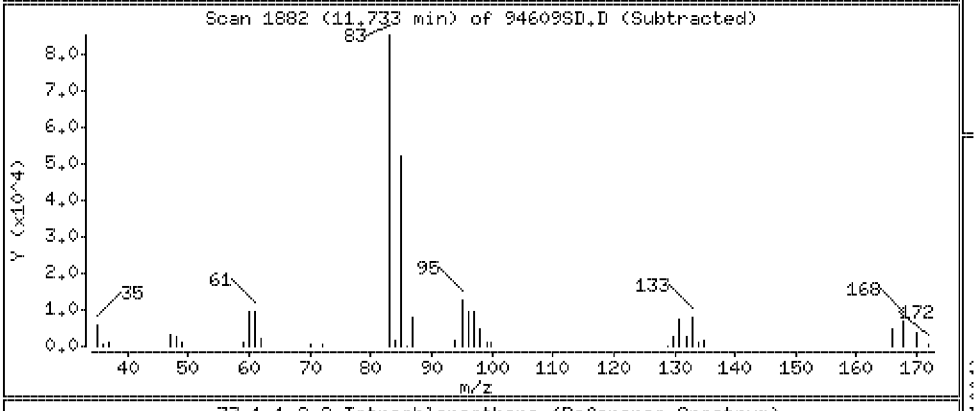
Column diameter: 0.18

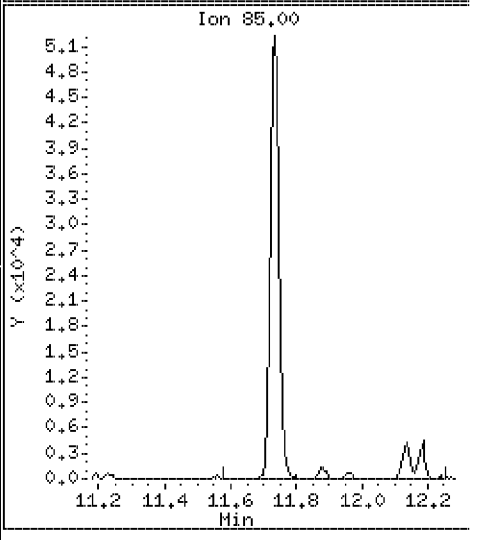
73 1,1,2,2-Tetrachloroethane

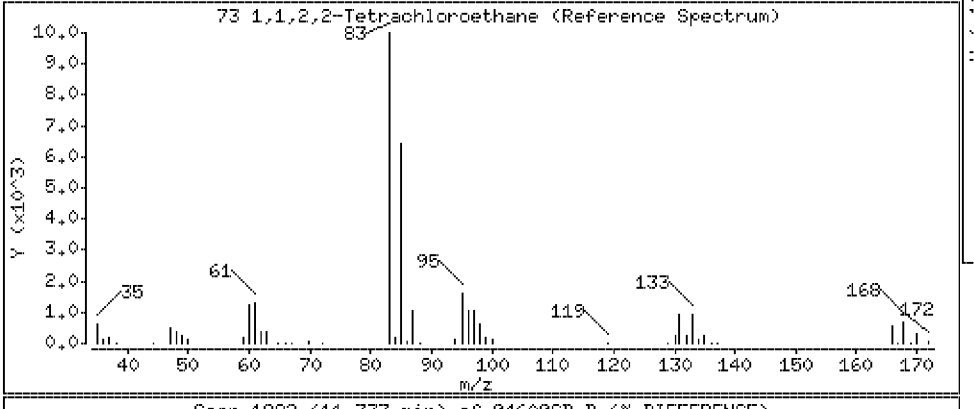
Concentration: 19.5 ug/l

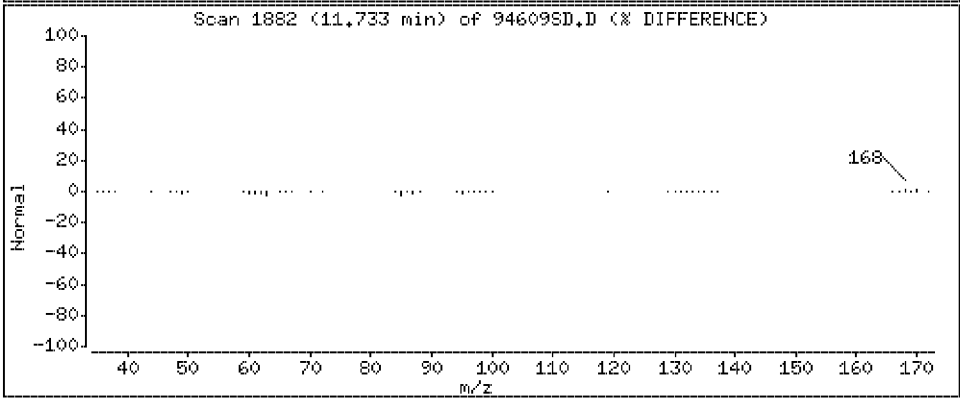












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

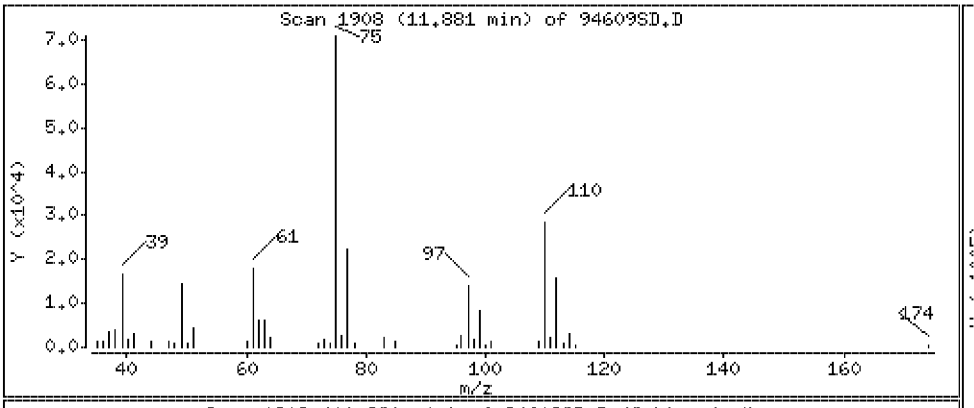
Operator:

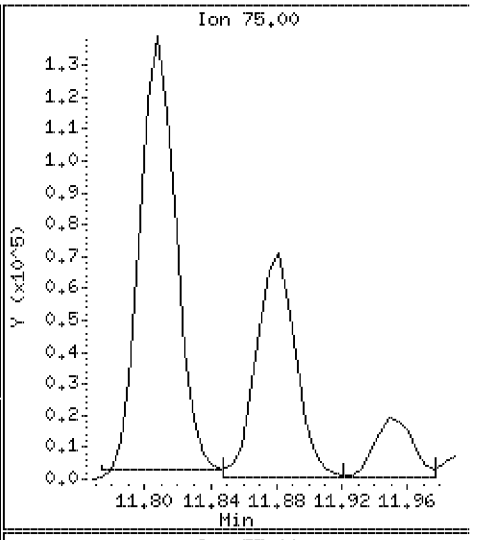
Column phase: DB-624

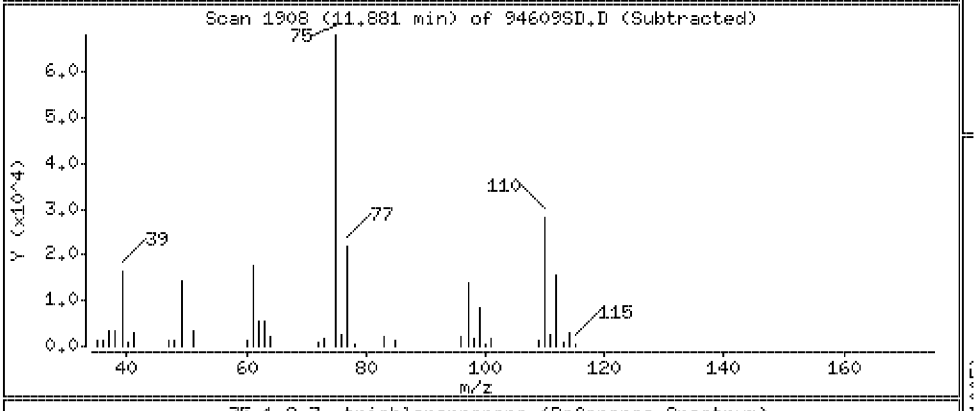
Column diameter: 0.18

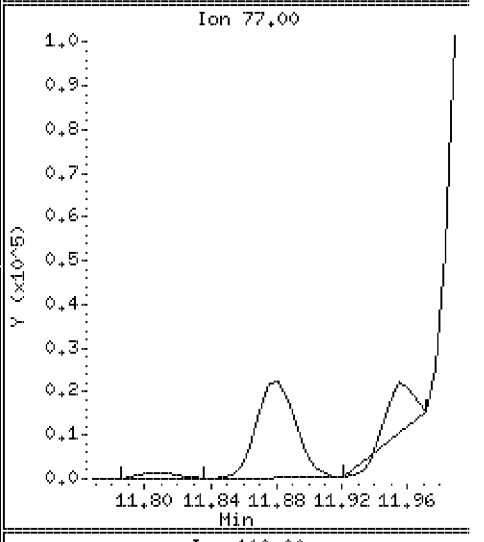
75 1,2,3- trichloropropane

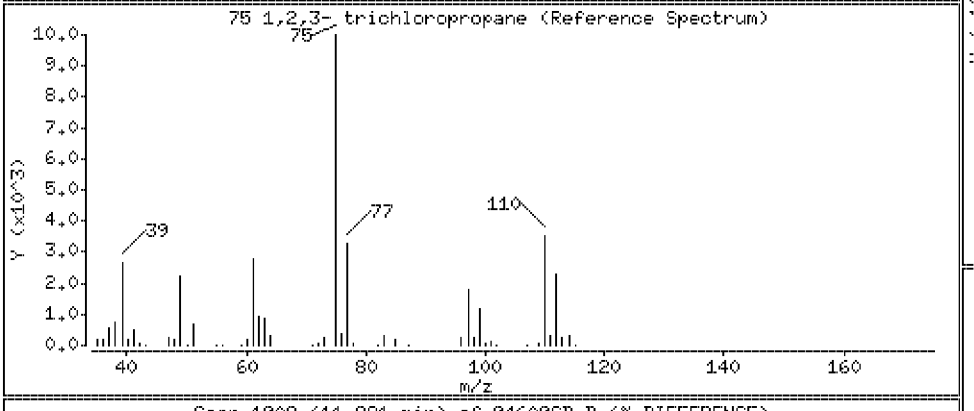
Concentration: 21.4 ug/l

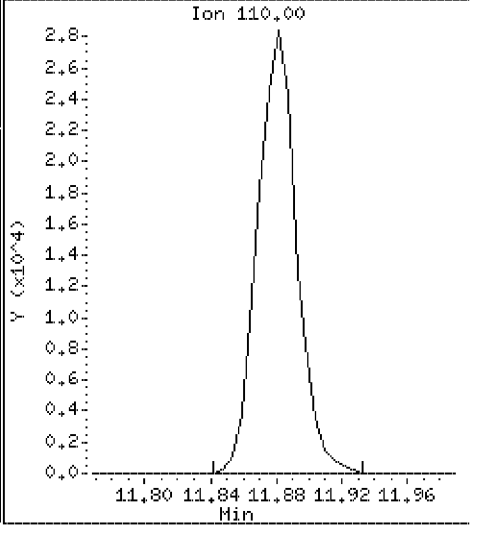


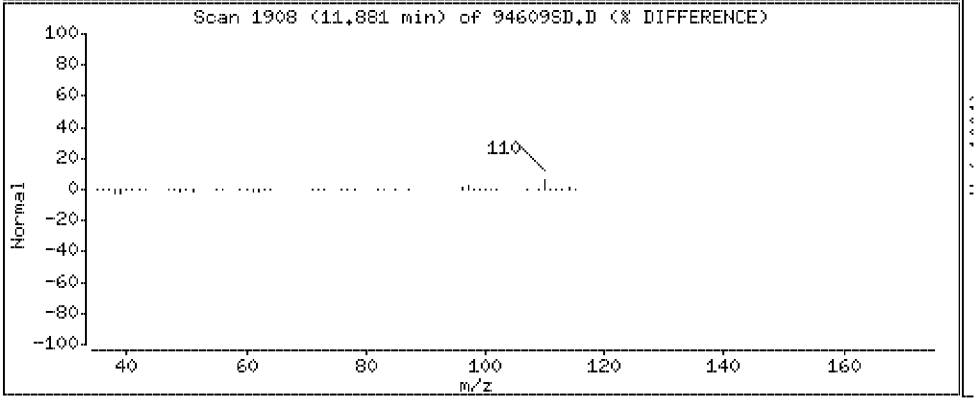












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Date : 04-APR-2008 07:52

Client ID: SLC[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

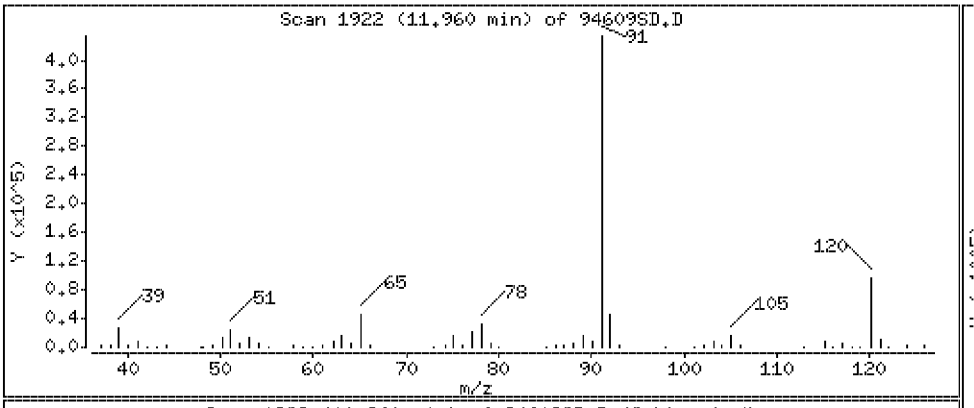
Operator:

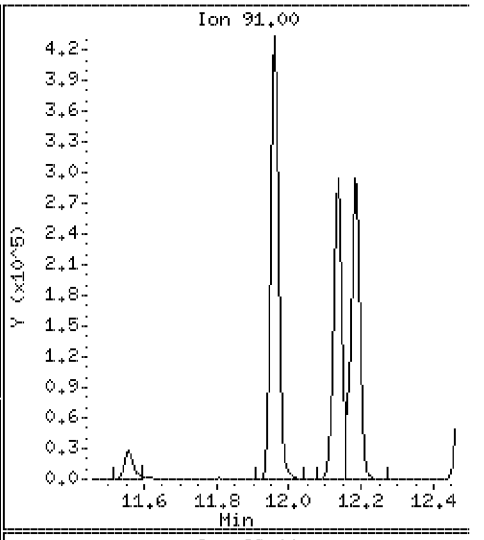
Column phase: DB-624

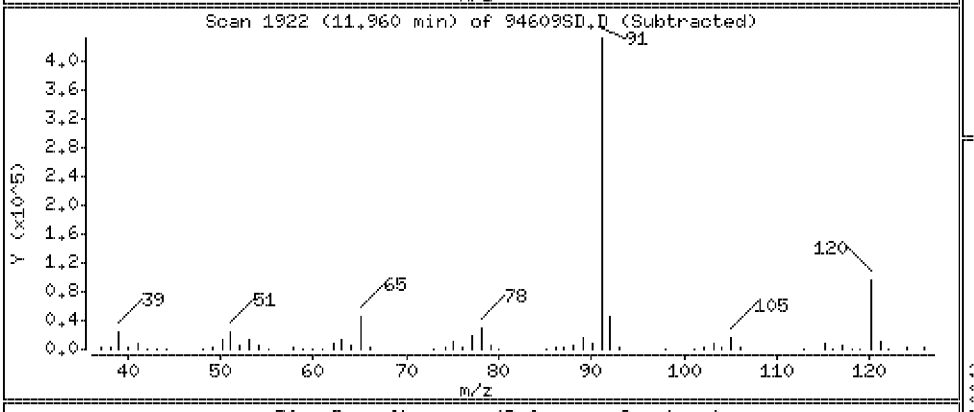
Column diameter: 0.18

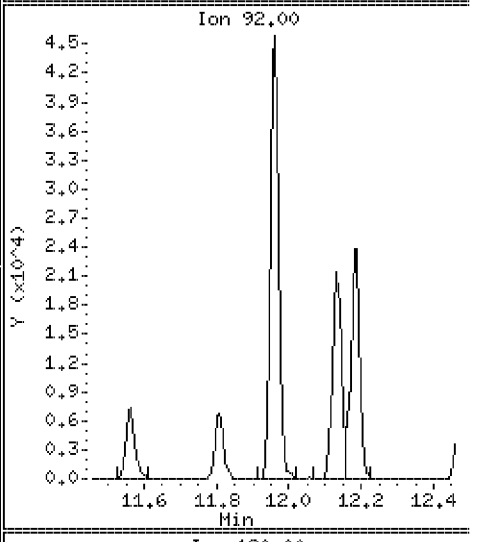
76 n-Propylbenzene

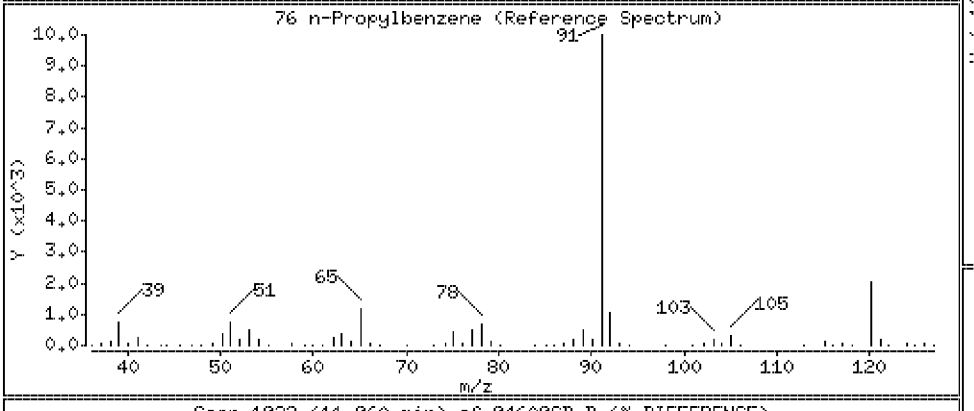
Concentration: 20.2 ug/l

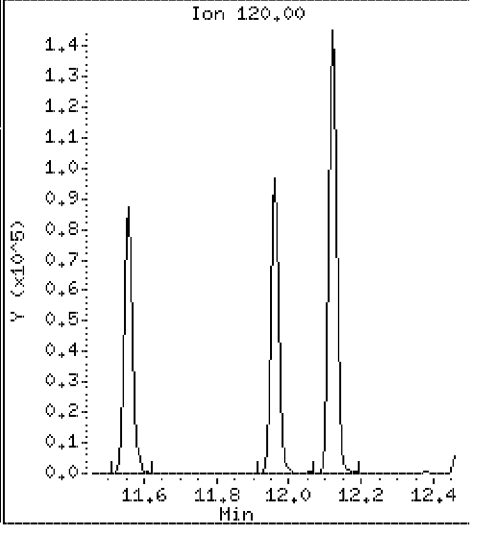


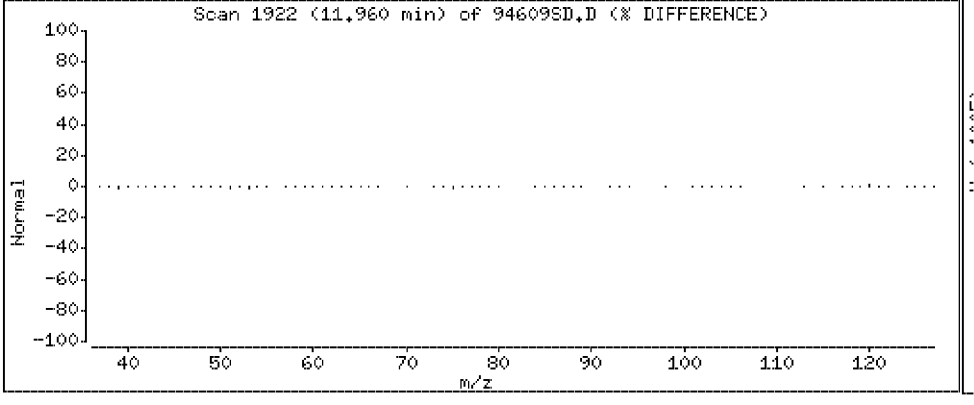












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Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

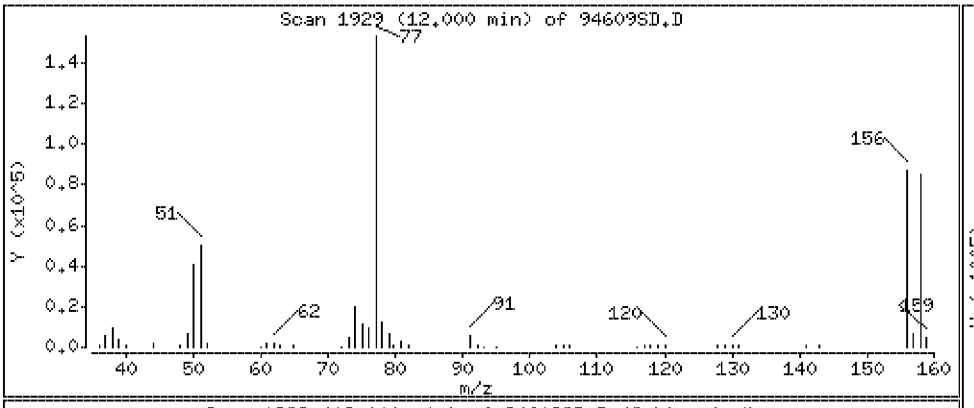
Operator:

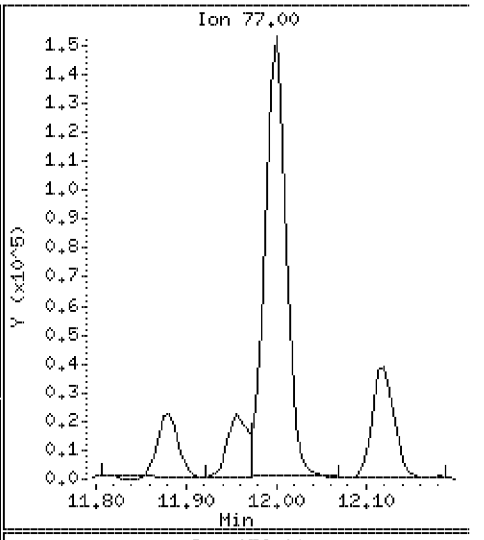
Column phase: DB-624

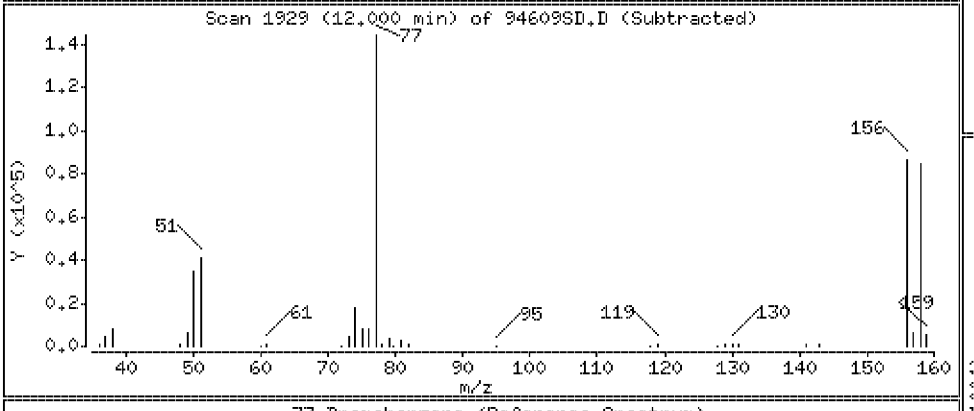
Column diameter: 0.18

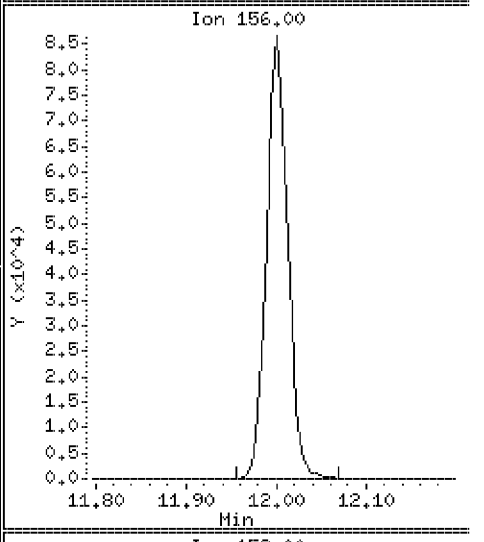
77 Bromobenzene

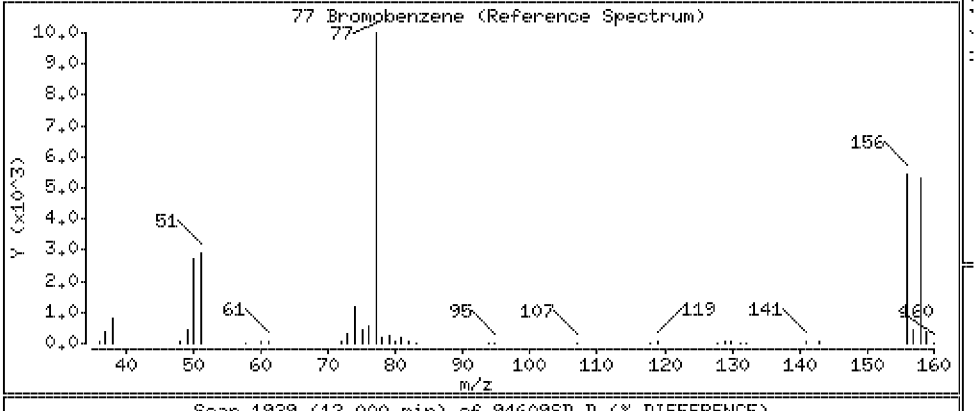
Concentration: 19.0 ug/l

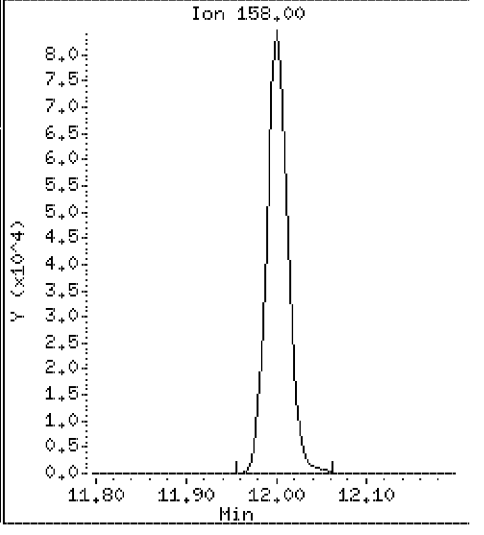


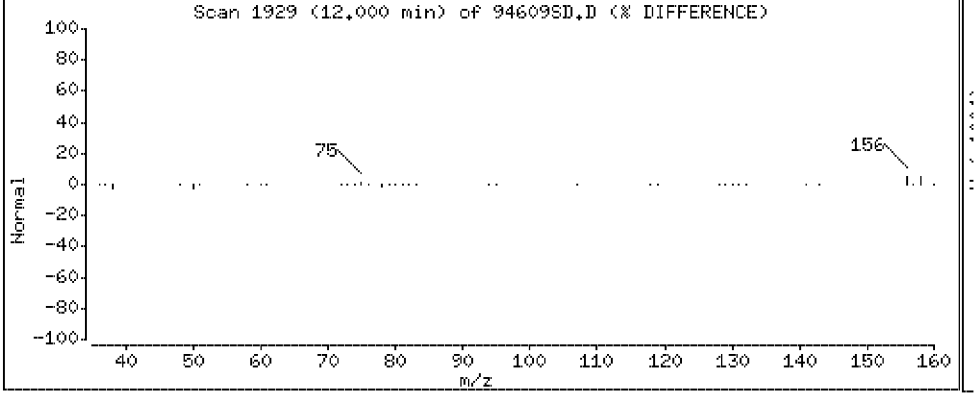












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

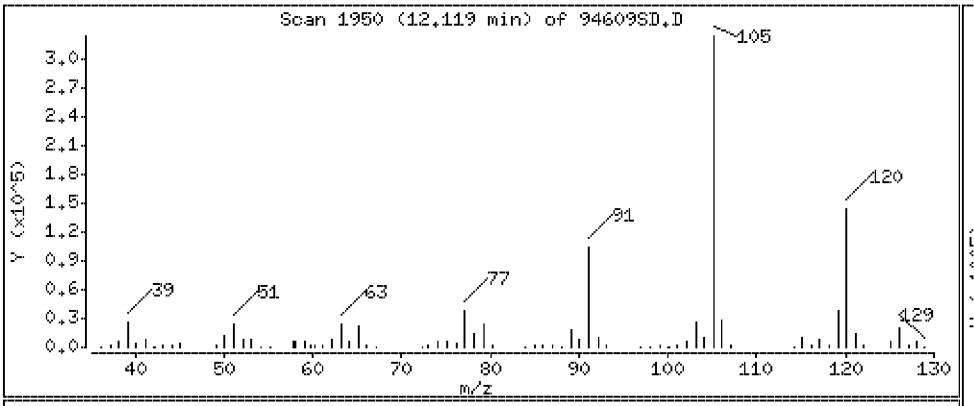
Operator:

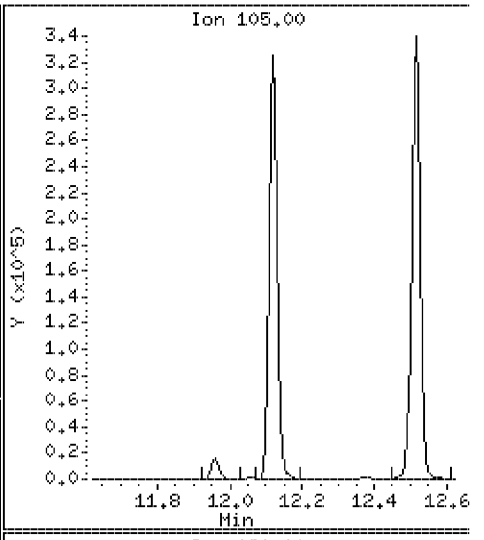
Column phase: DB-624

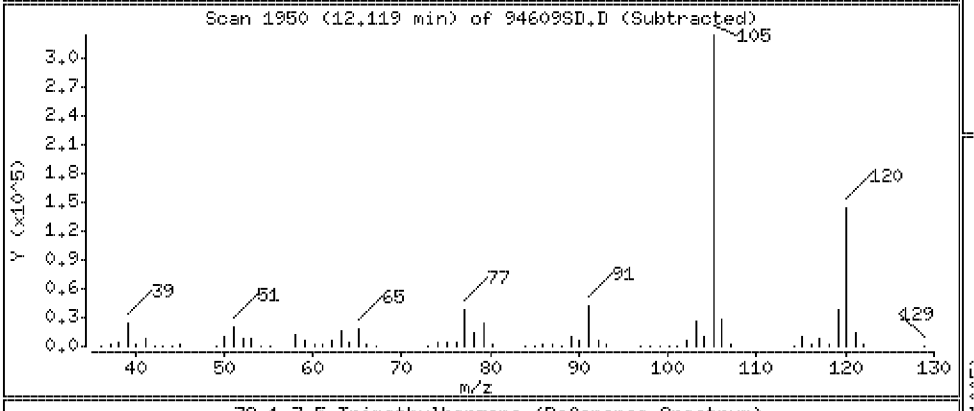
Column diameter: 0.18

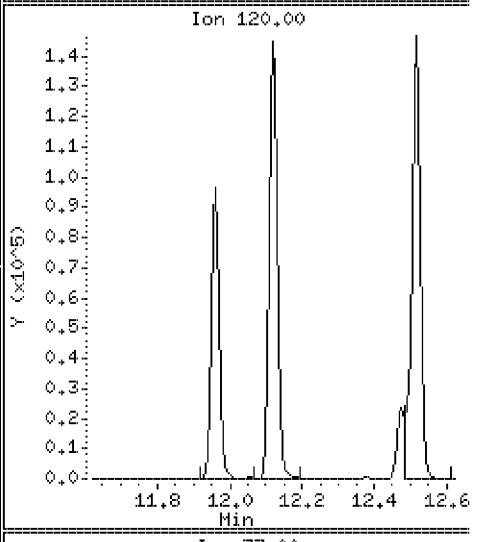
78 1,3,5-Trimethylbenzene

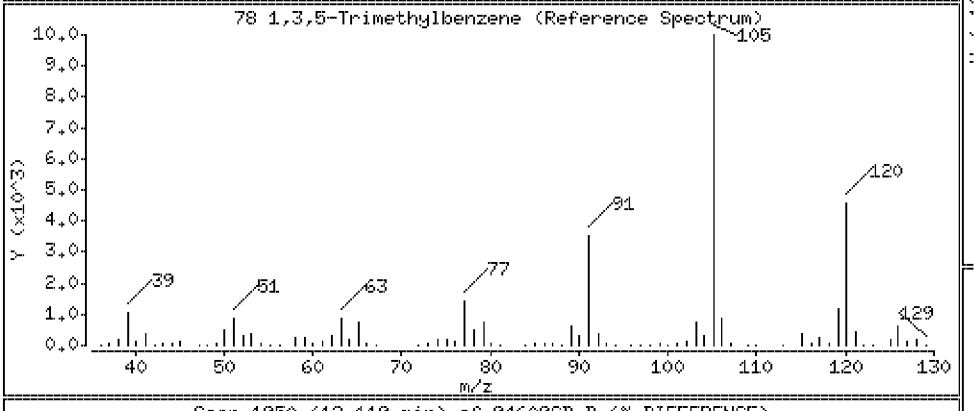
Concentration: 21.2 ug/l

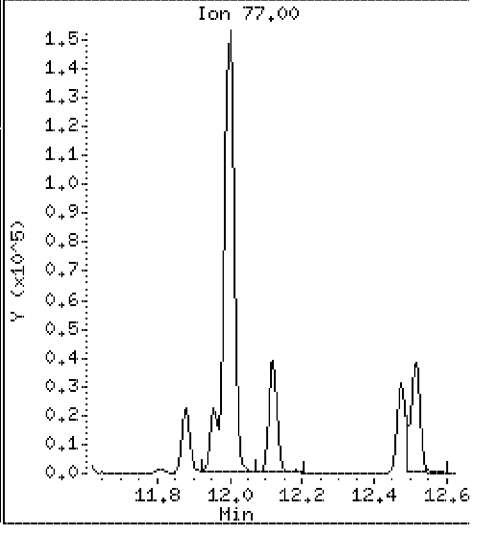


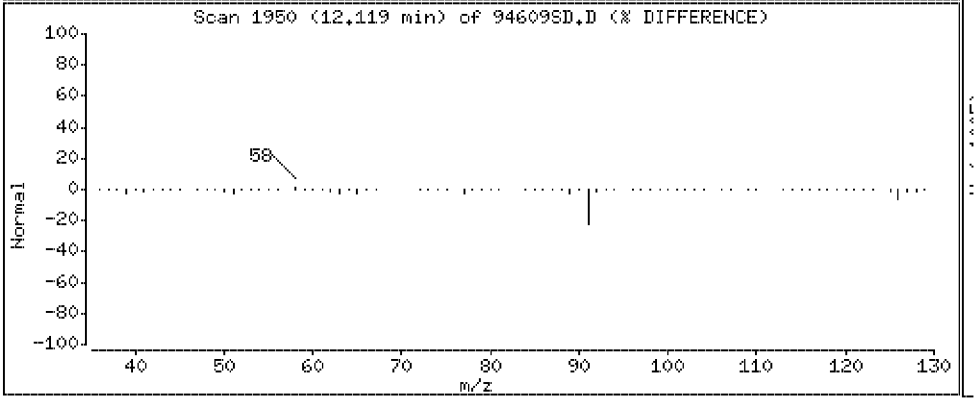












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

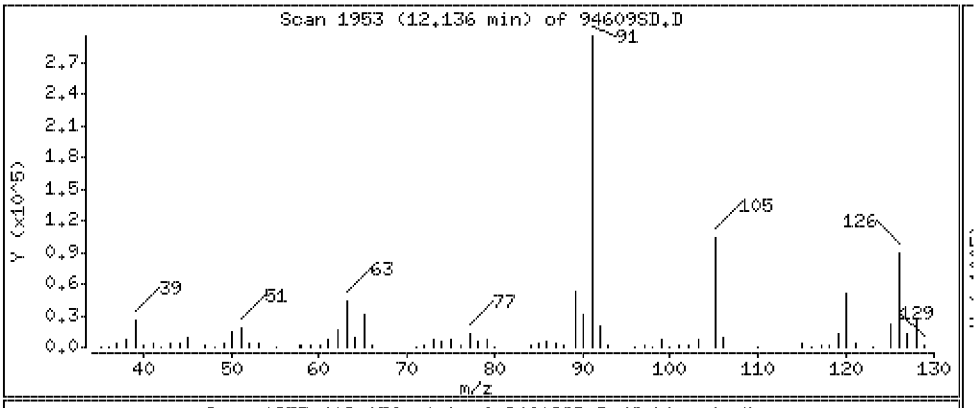
Operator:

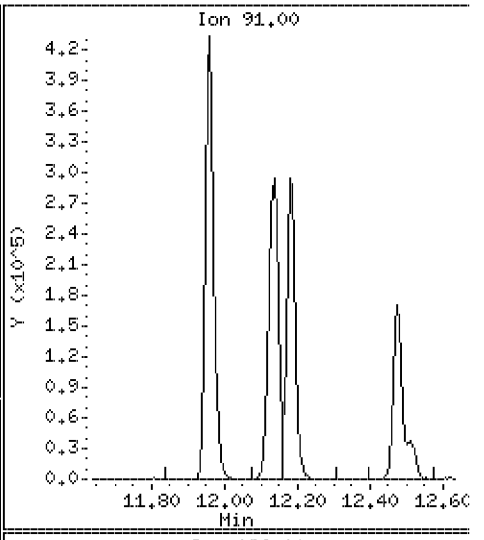
Column phase: DB-624

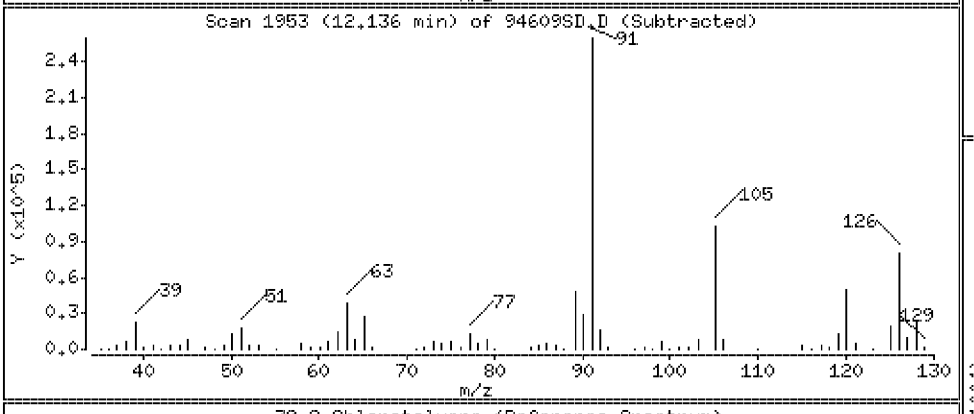
Column diameter: 0.18

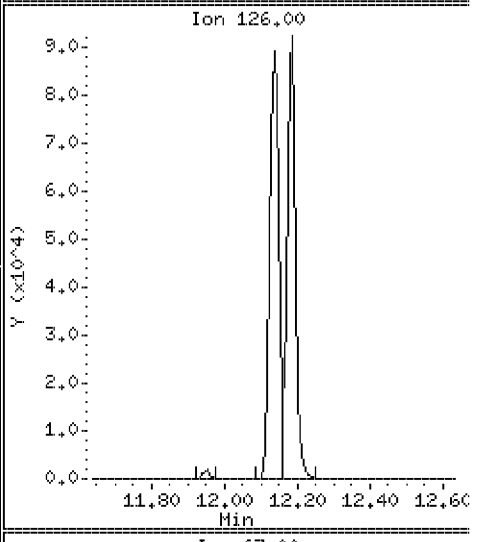
79 2-Chlorotoluene

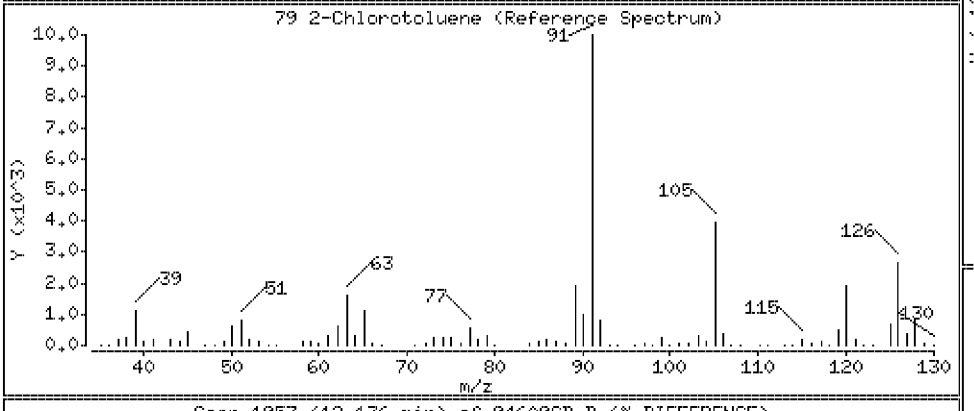
Concentration: 20.4 ug/l

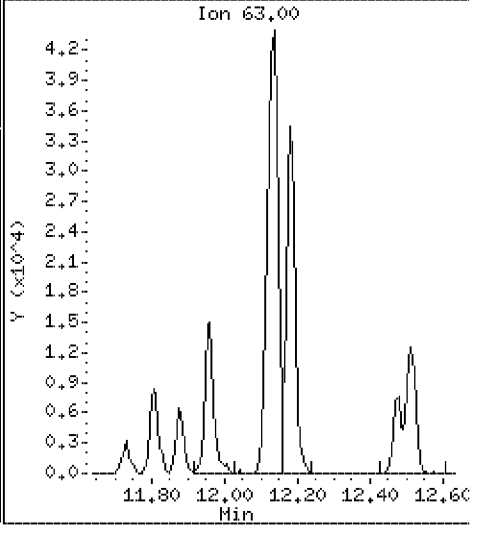


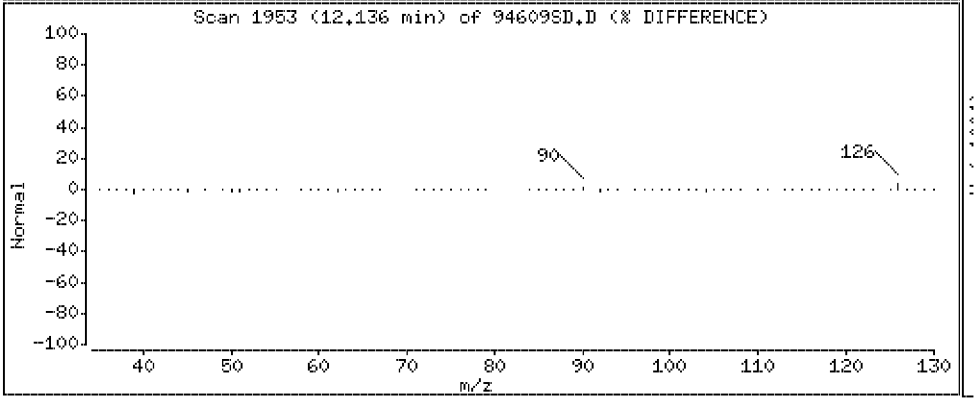












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

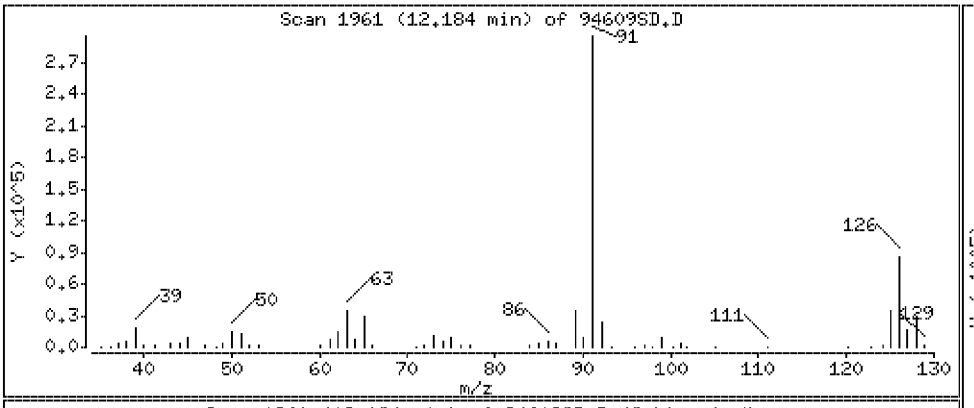
Operator:

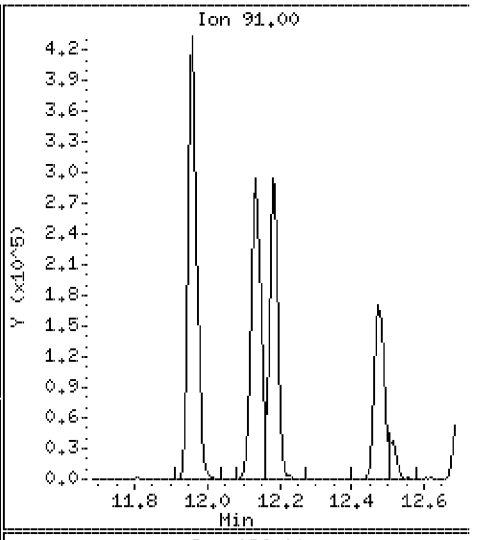
Column phase: DB-624

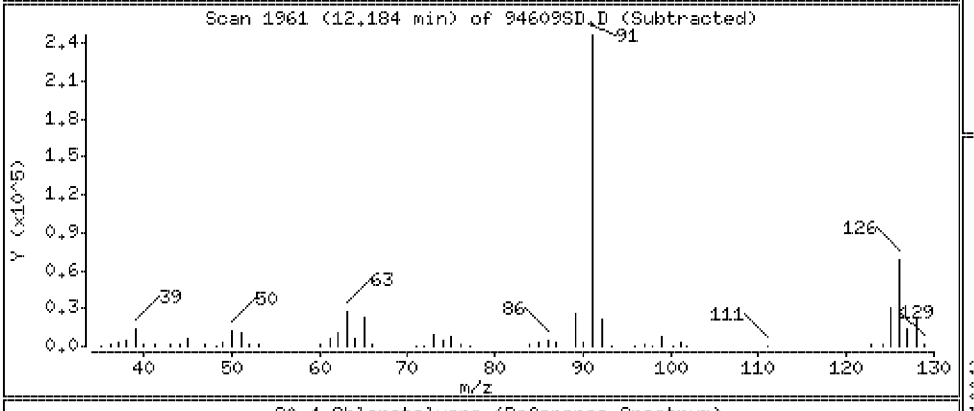
Column diameter: 0.18

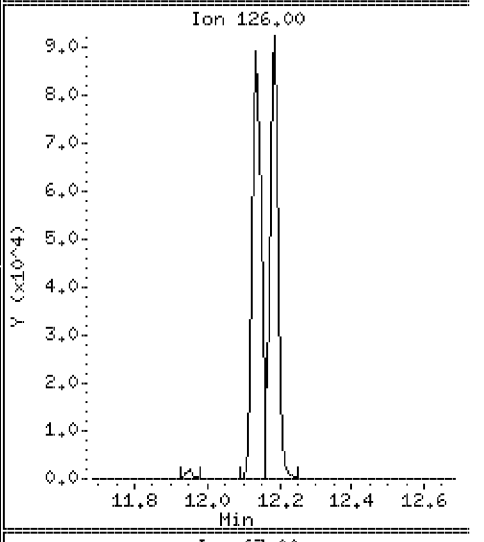
80 4-Chlorotoluene

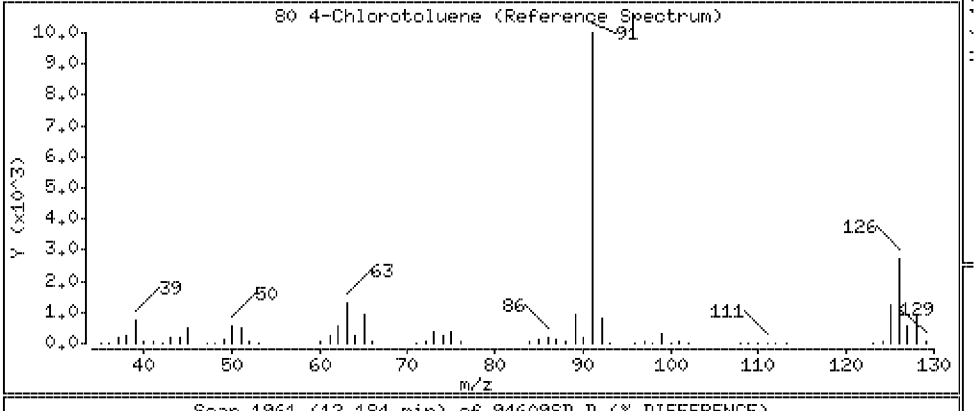
Concentration: 20.6 ug/l

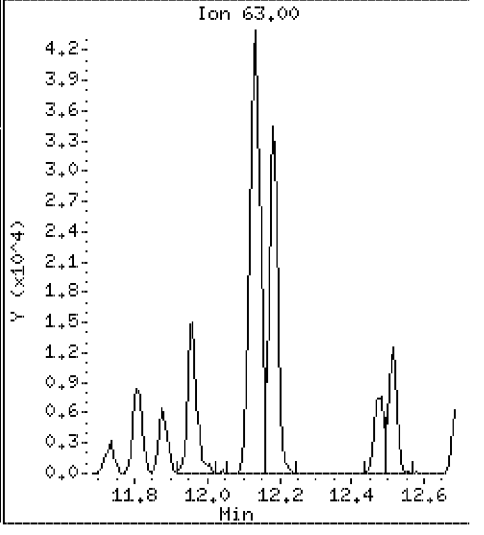


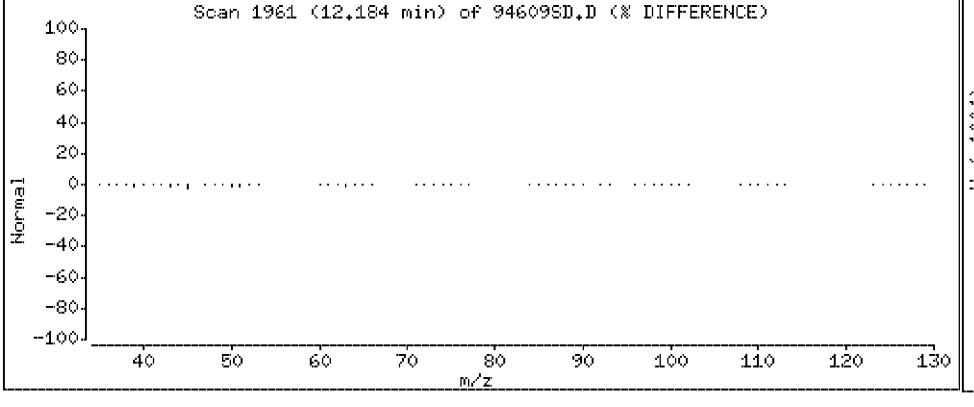












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

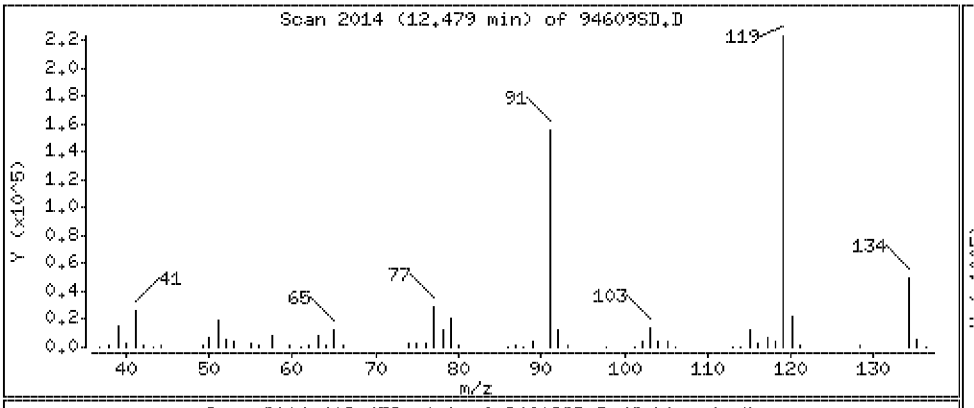
Operator:

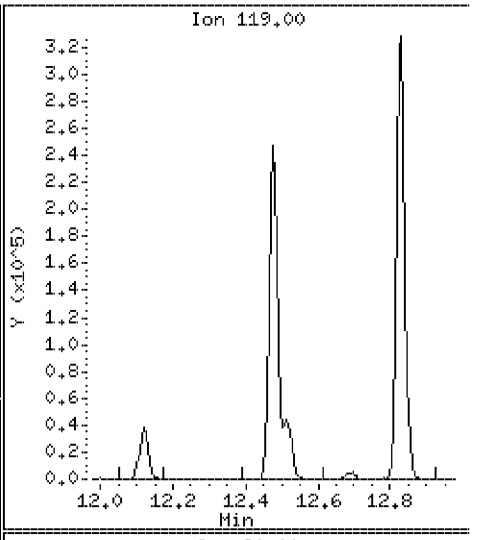
Column phase: DB-624

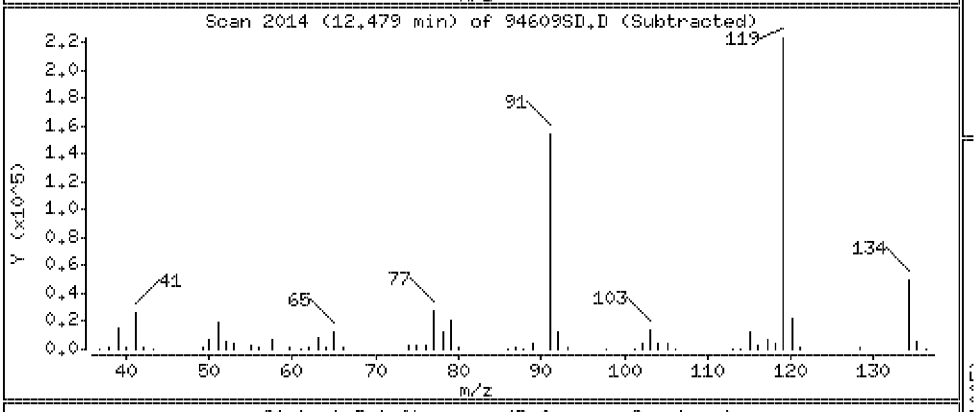
Column diameter: 0.18

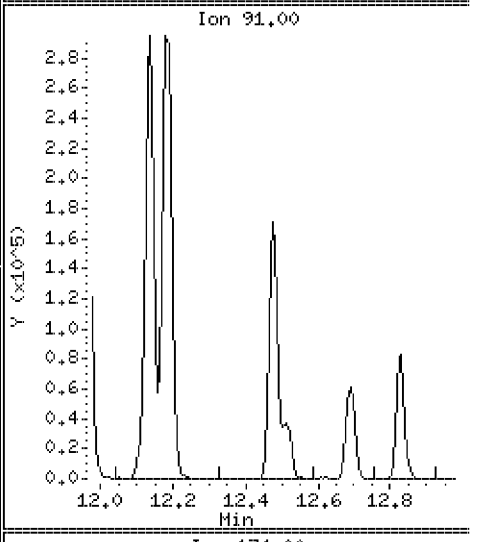
81 tert-Butylbenzene

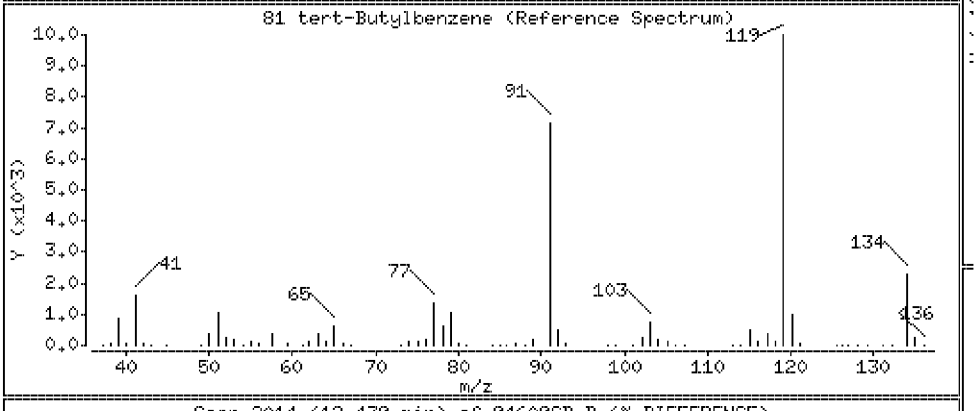
Concentration: 21.7 ug/l

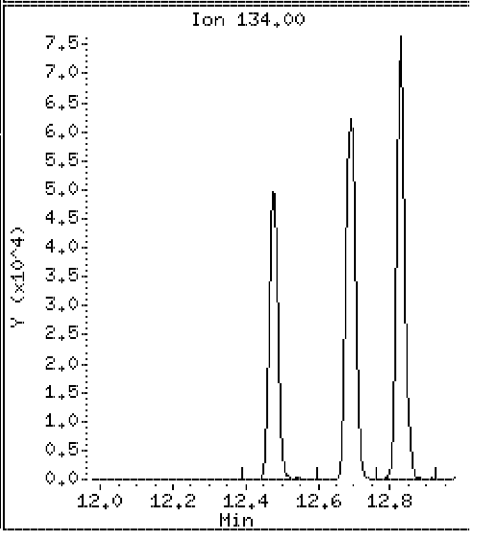


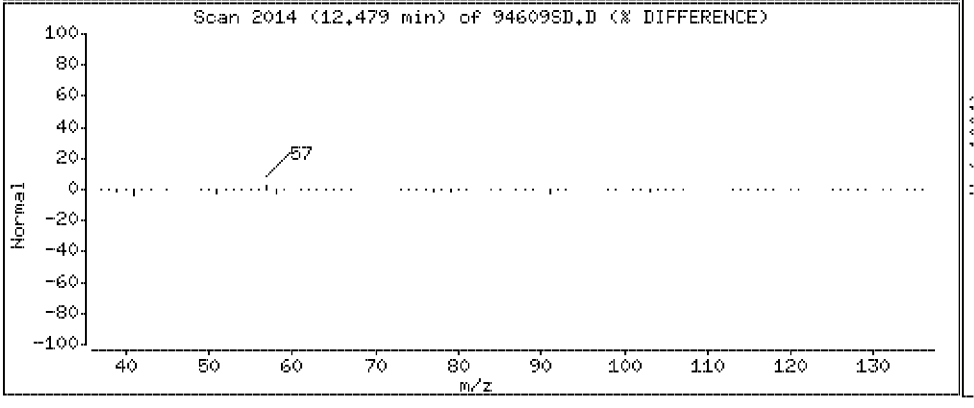












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Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

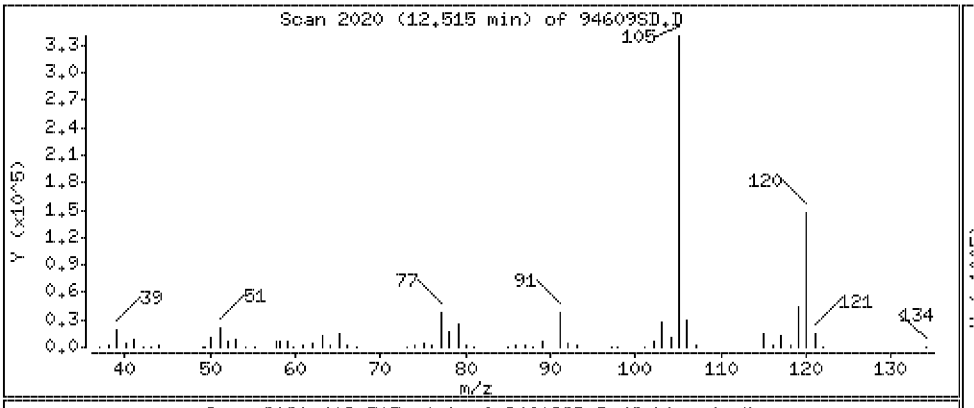
Operator:

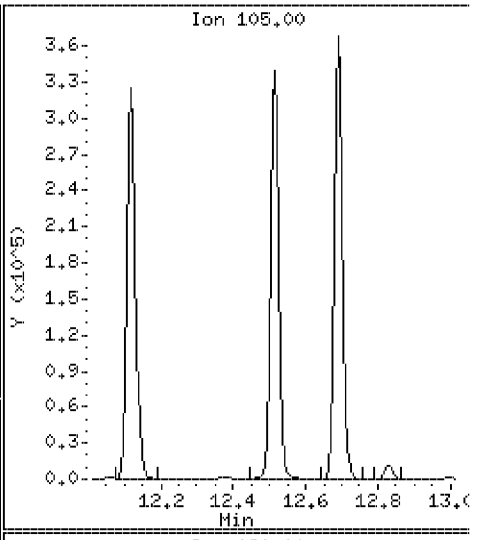
Column phase: DB-624

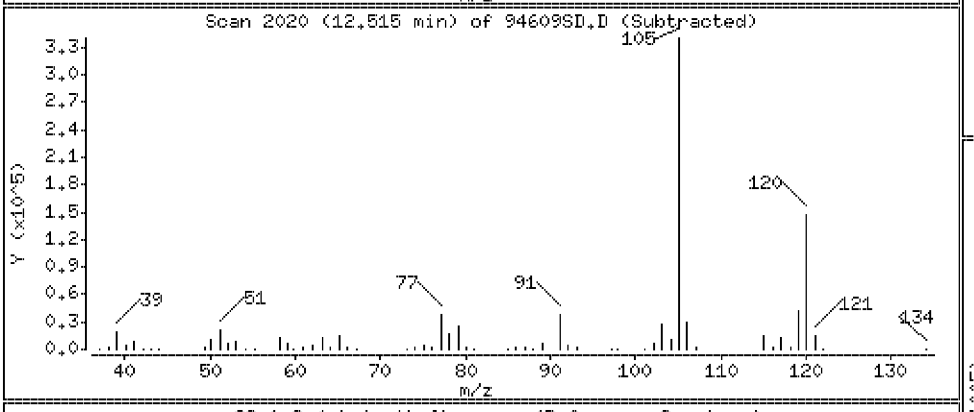
Column diameter: 0.18

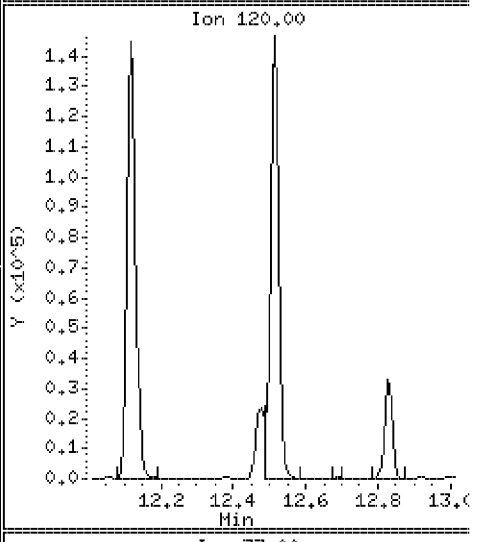
82 1,2,4-trimethylbenzene

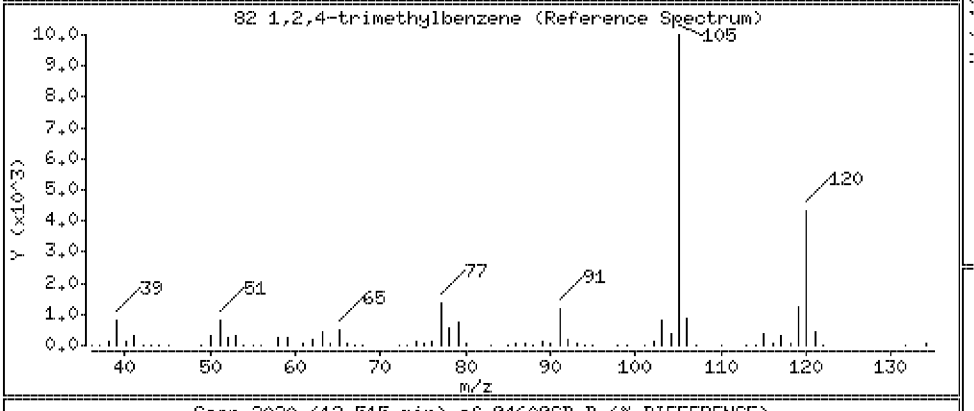
Concentration: 21.0 ug/l

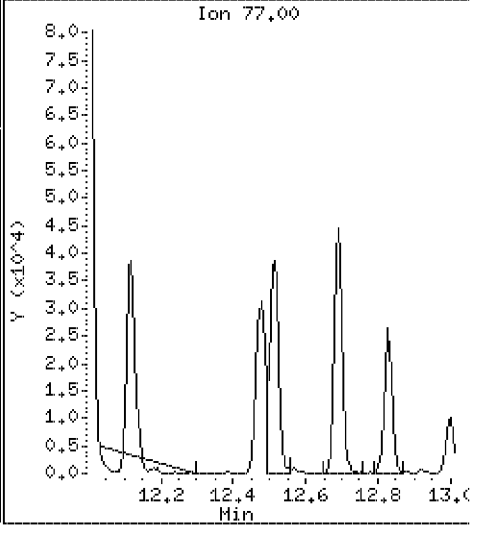


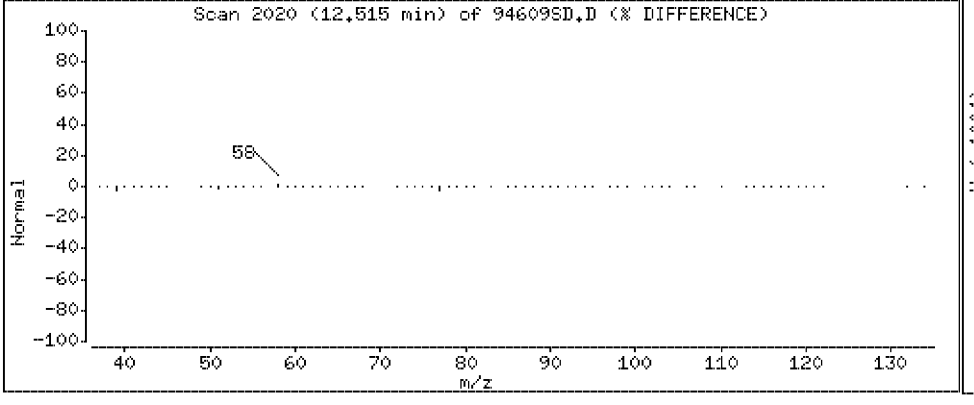












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

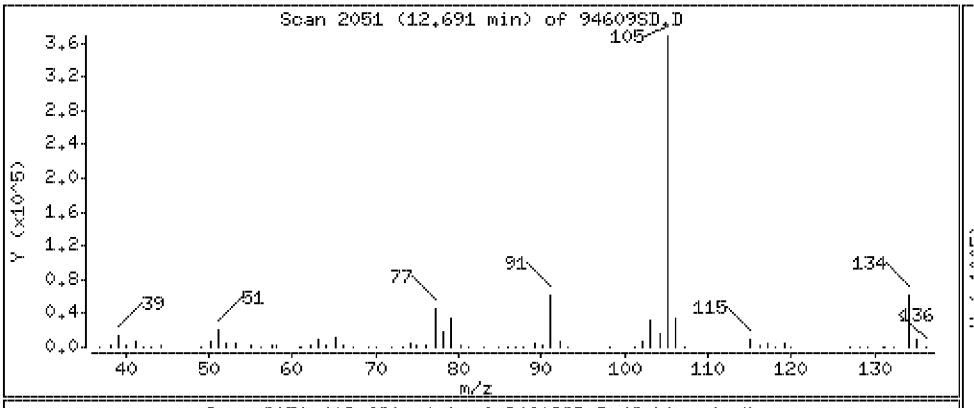
Operator:

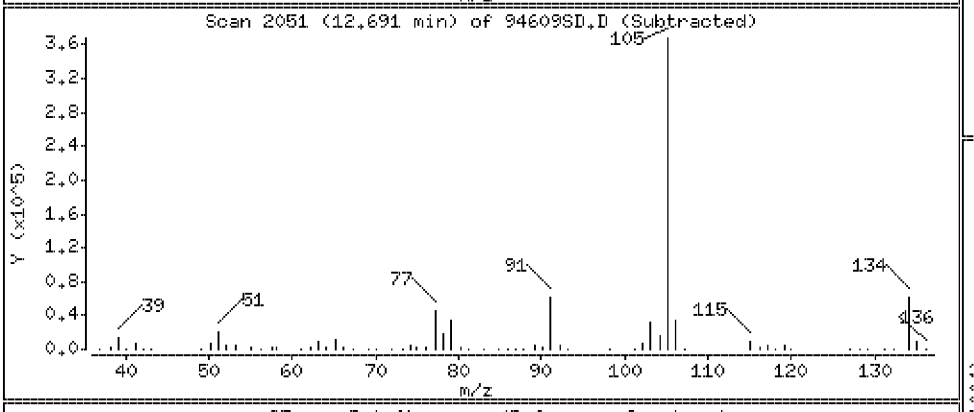
Column phase: DB-624

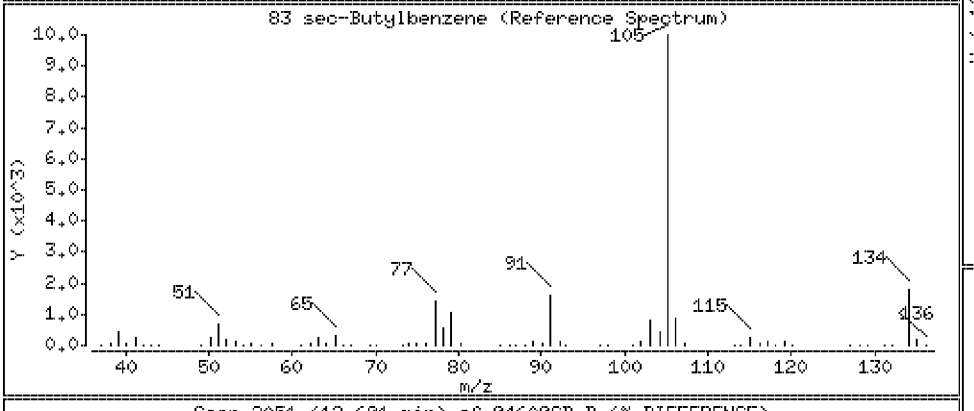
Column diameter: 0.18

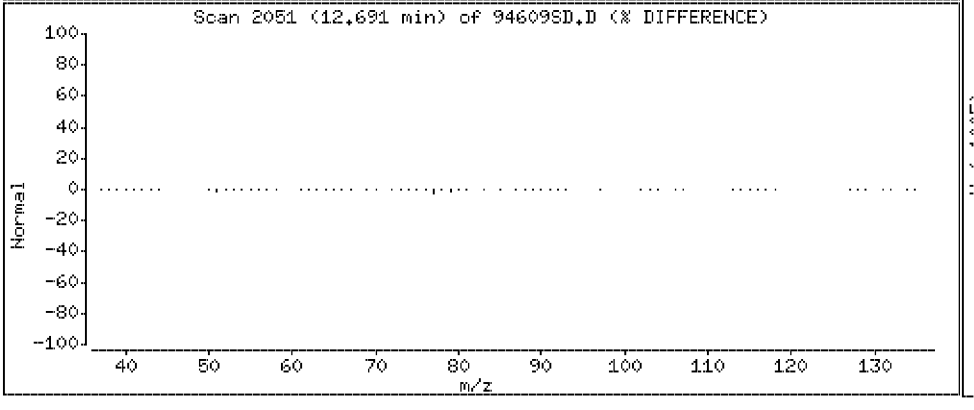
83 sec-Butylbenzene

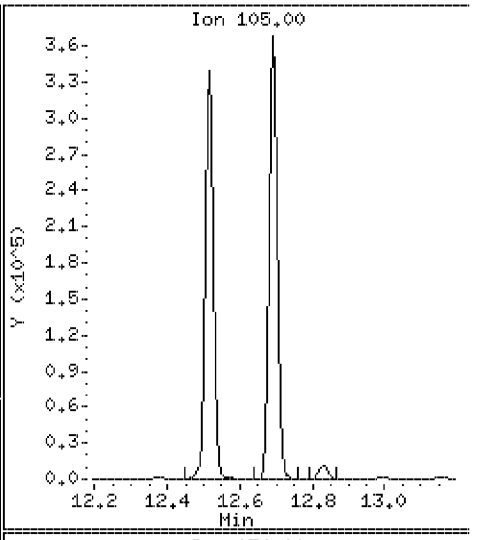
Concentration: 20.9 ug/l

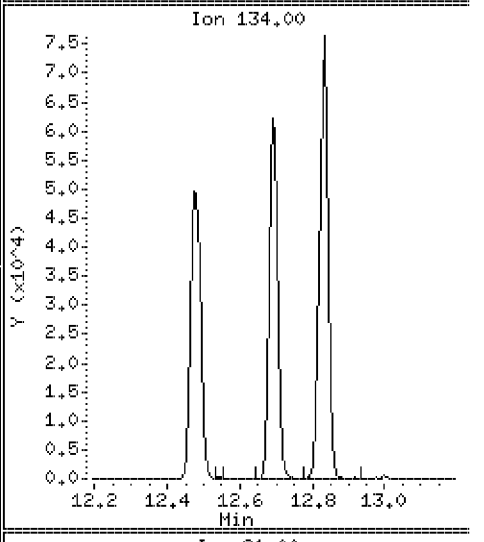


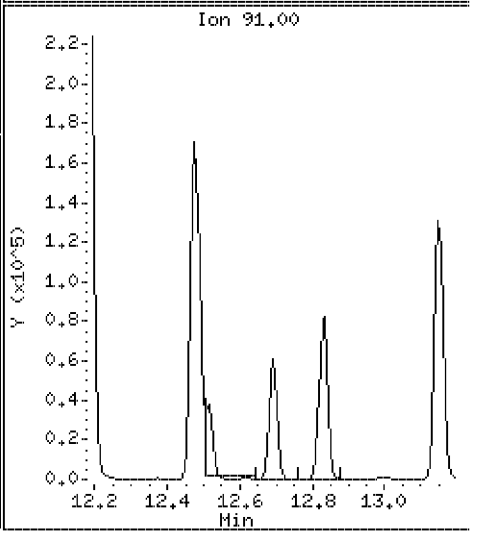












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Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

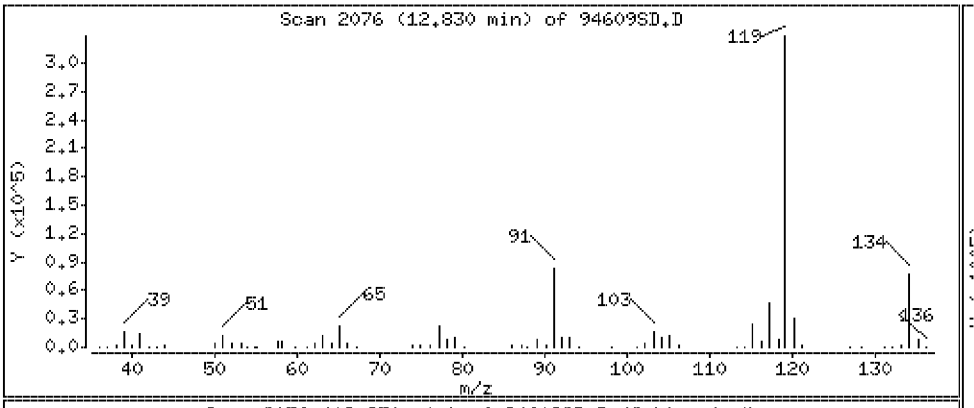
Operator:

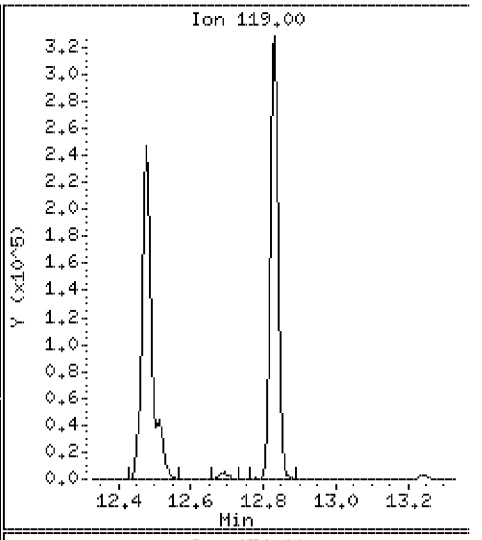
Column phase: DB-624

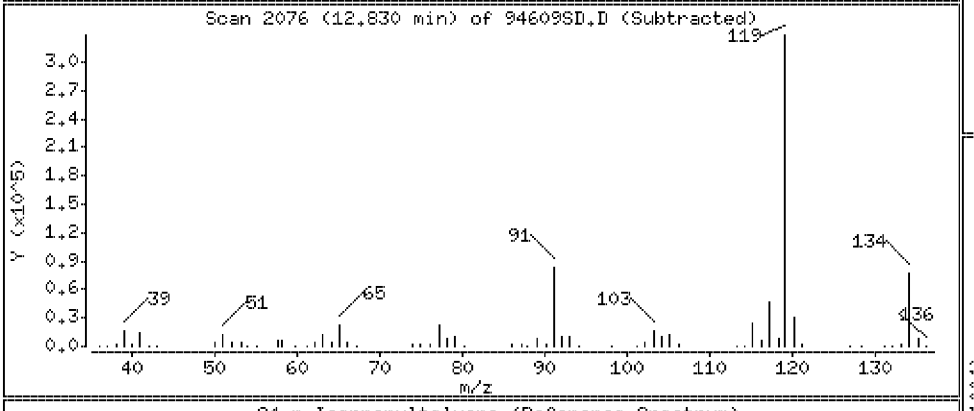
Column diameter: 0.18

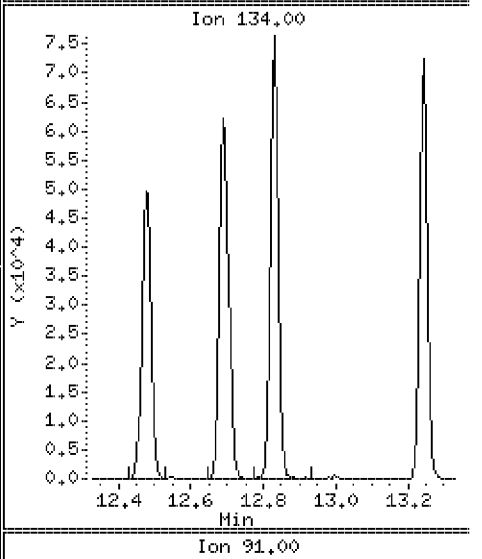
84 p-Isopropyltoluene

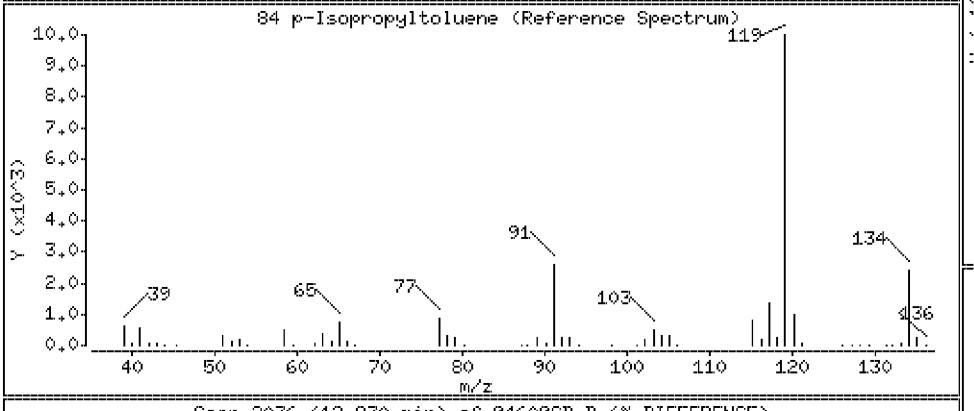
Concentration: 21.2 ug/l

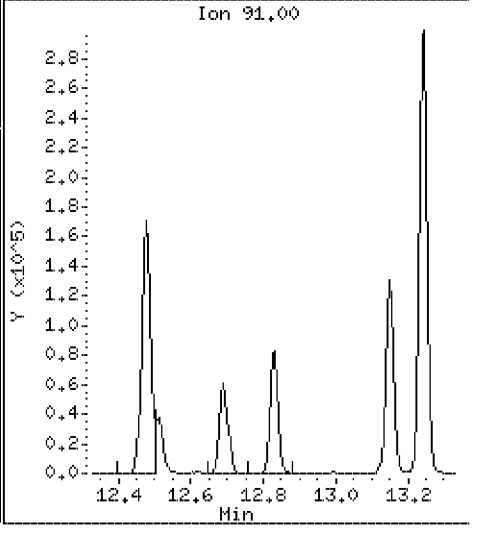


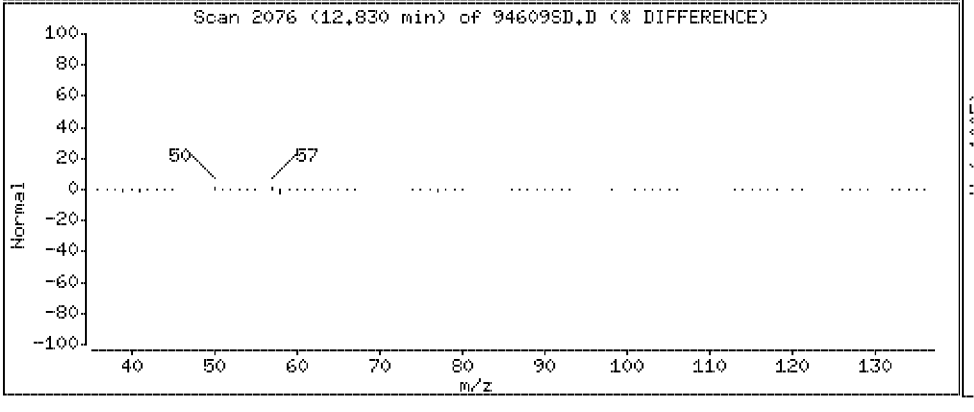












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Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

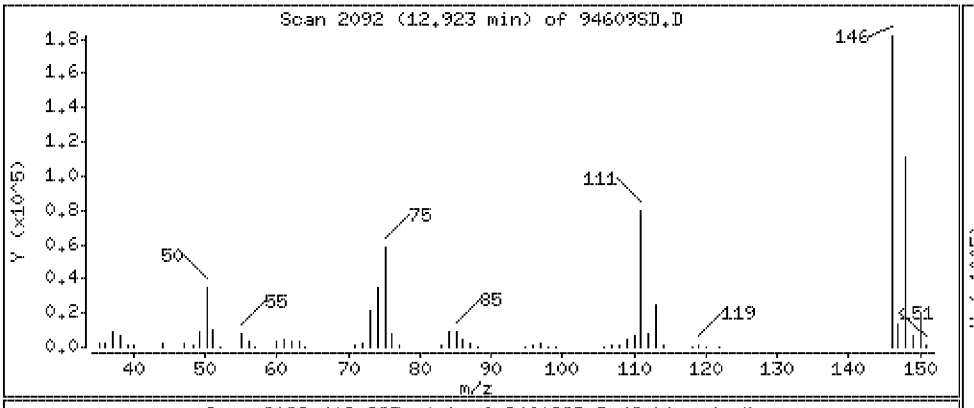
Operator:

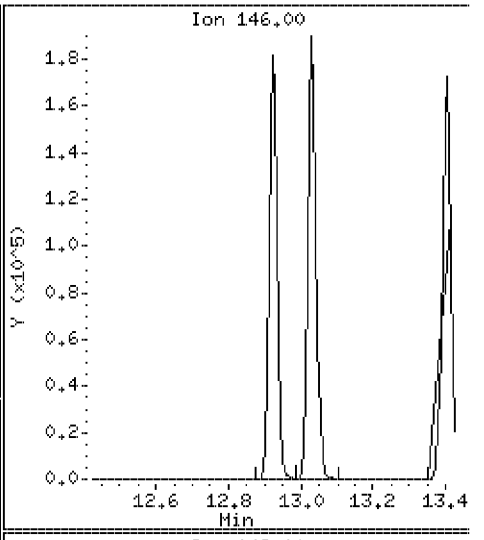
Column phase: DB-624

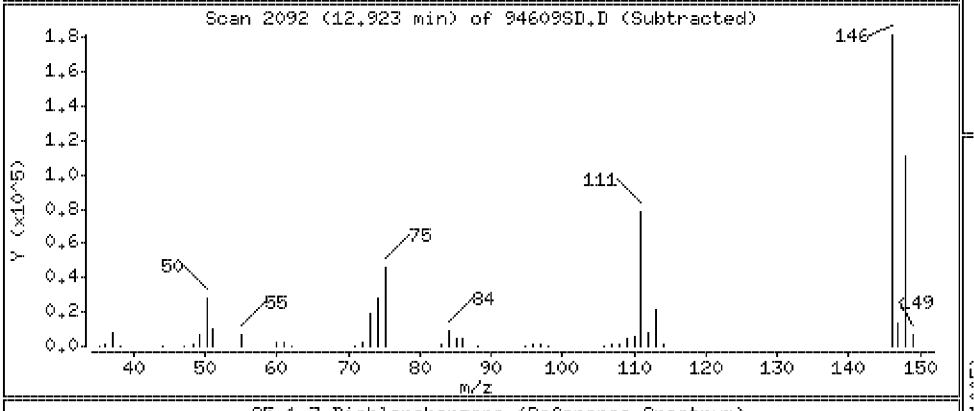
Column diameter: 0.18

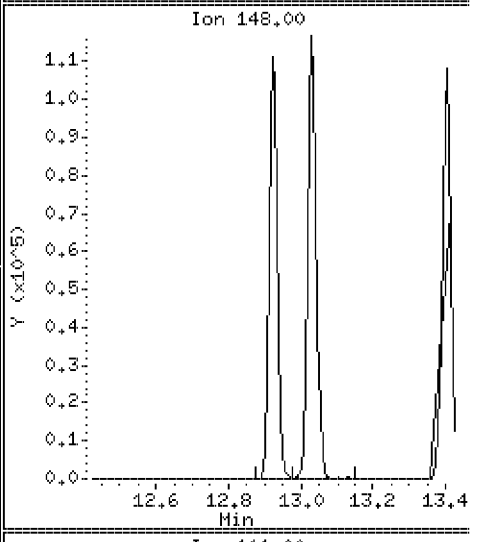
85 1,3-Dichlorobenzene

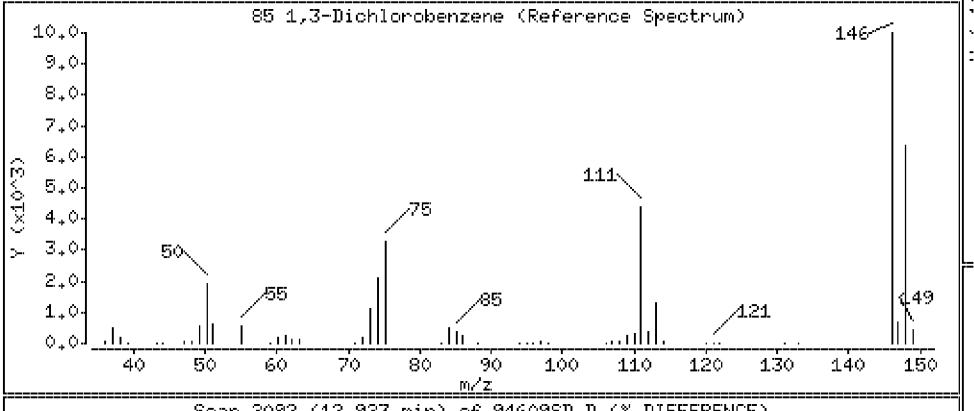
Concentration: 20.8 ug/l

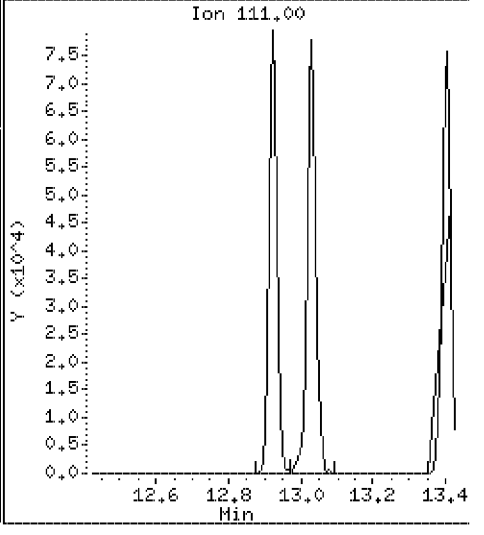


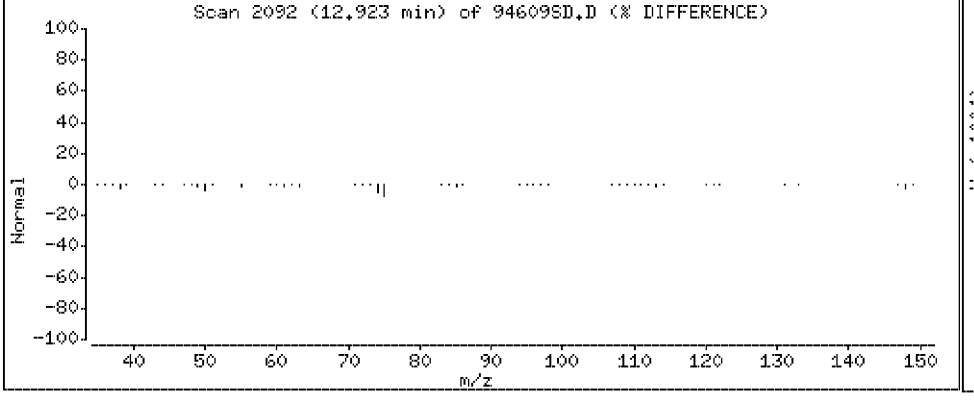












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

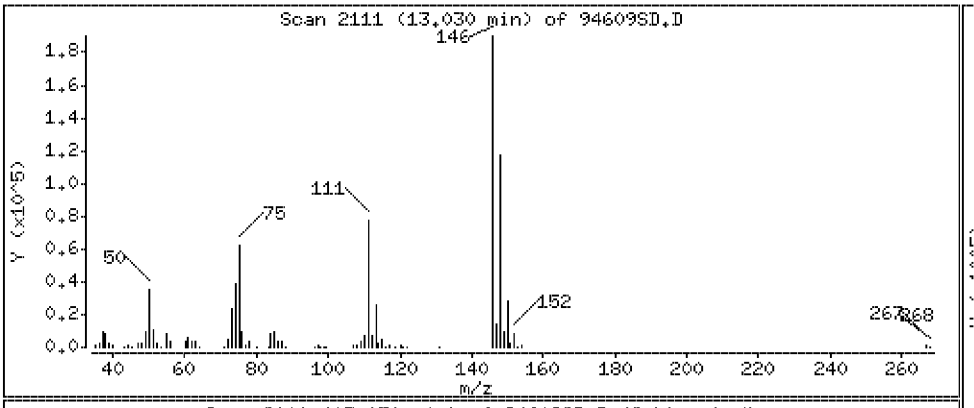
Operator:

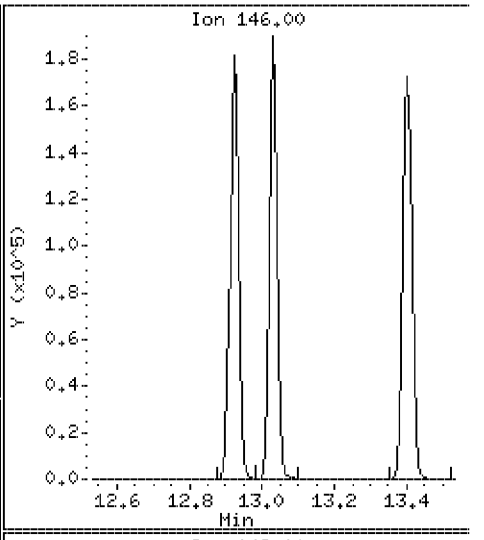
Column phase: DB-624

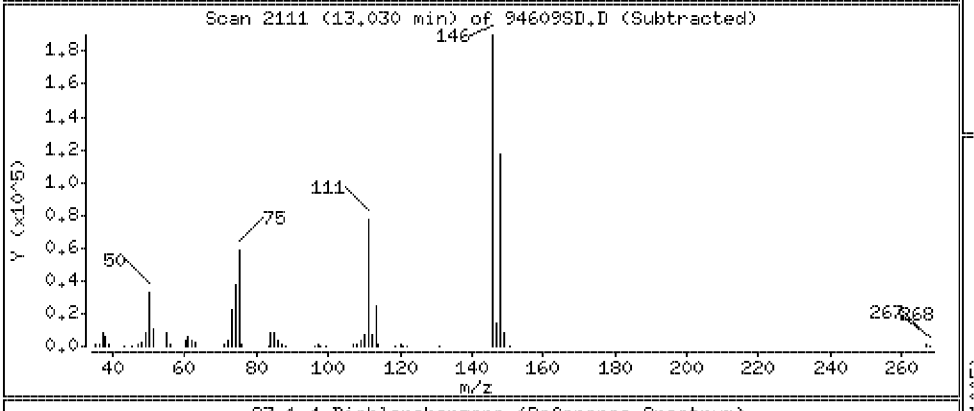
Column diameter: 0.18

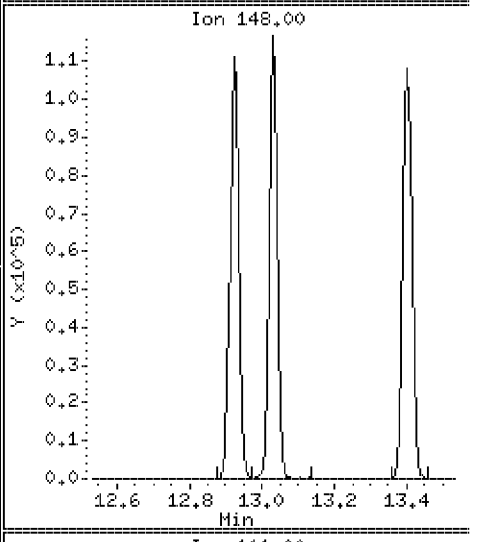
87 1,4-Dichlorobenzene

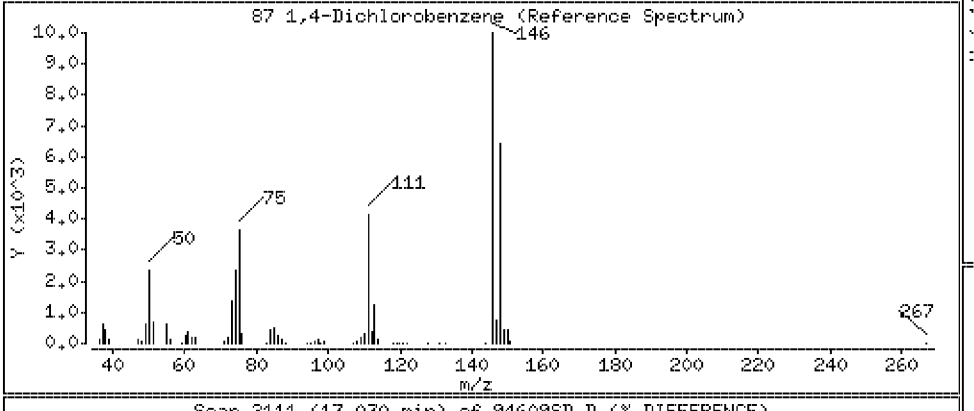
Concentration: 20.4 ug/l

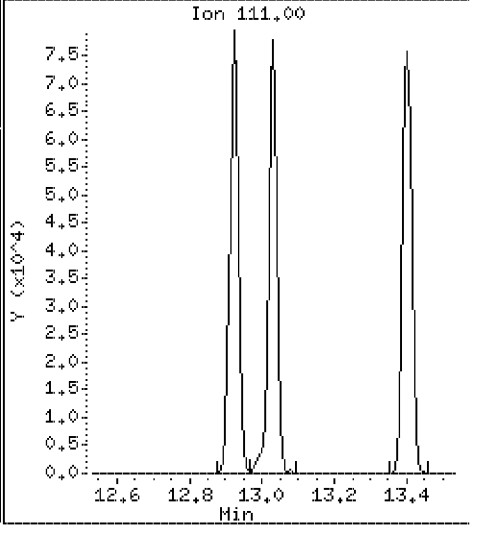


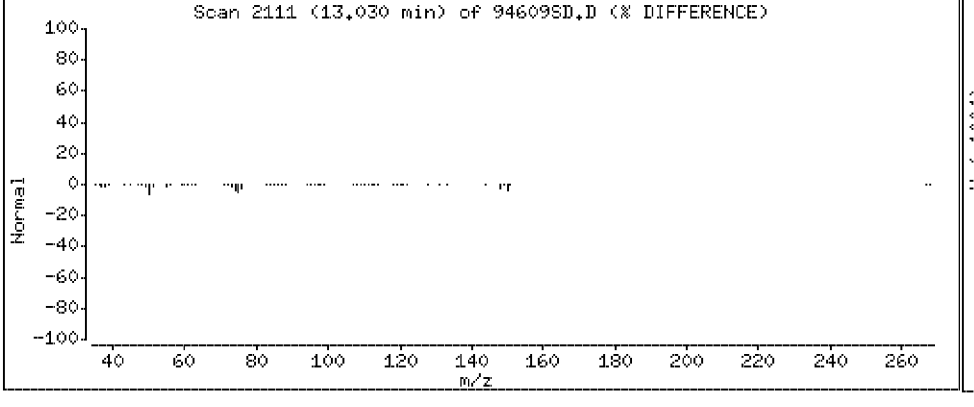












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Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

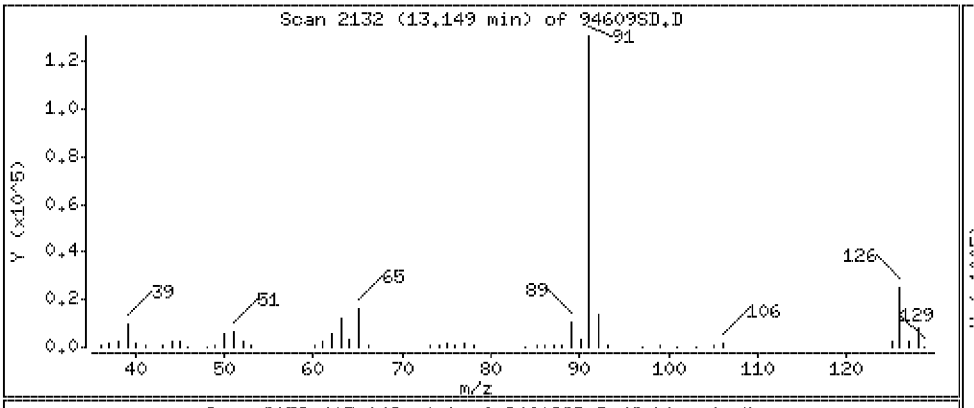
Operator:

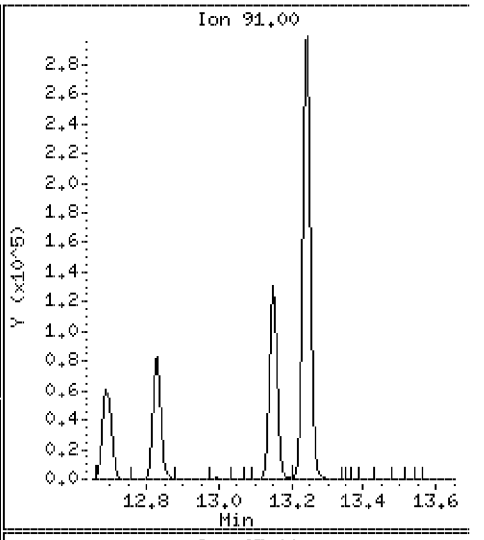
Column phase: DB-624

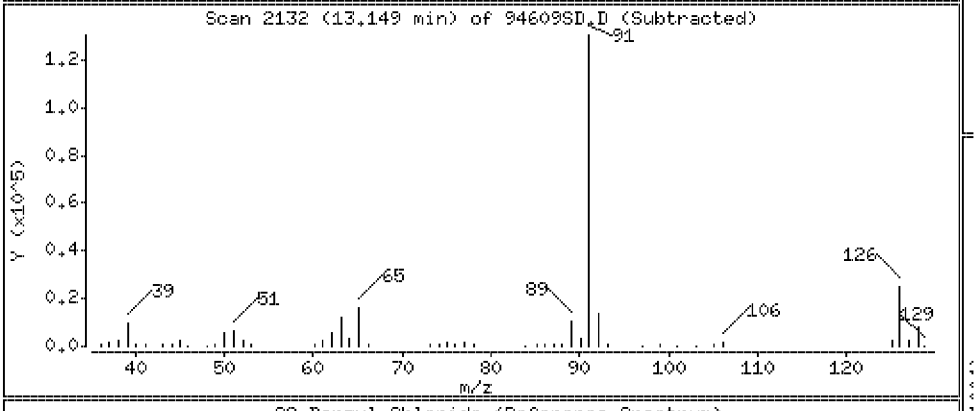
Column diameter: 0.18

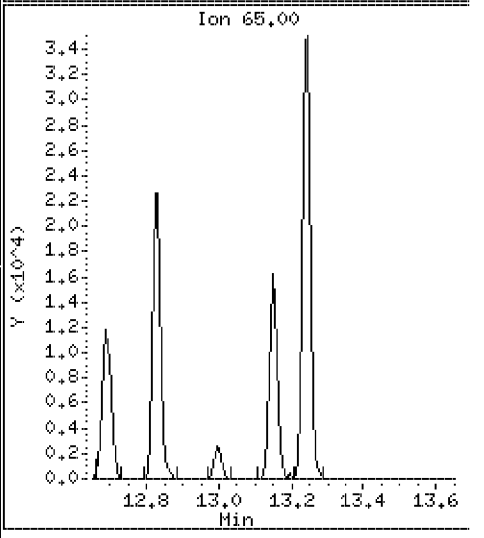
88 Benzyl Chloride

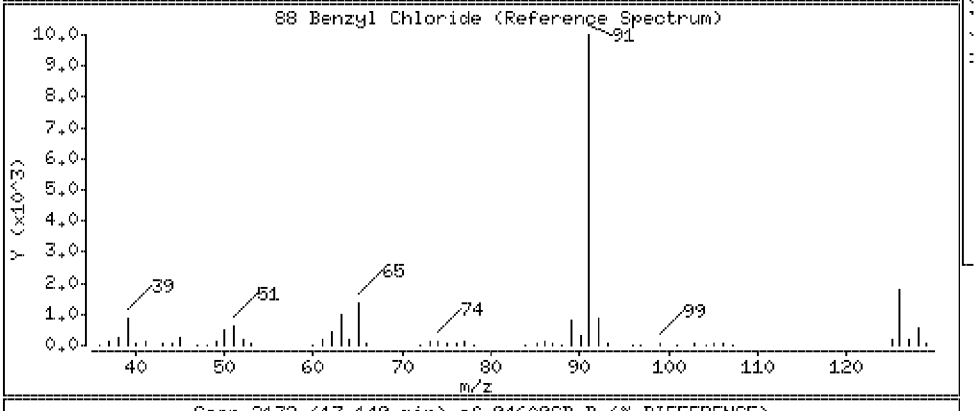
Concentration: 24.4 ug/l

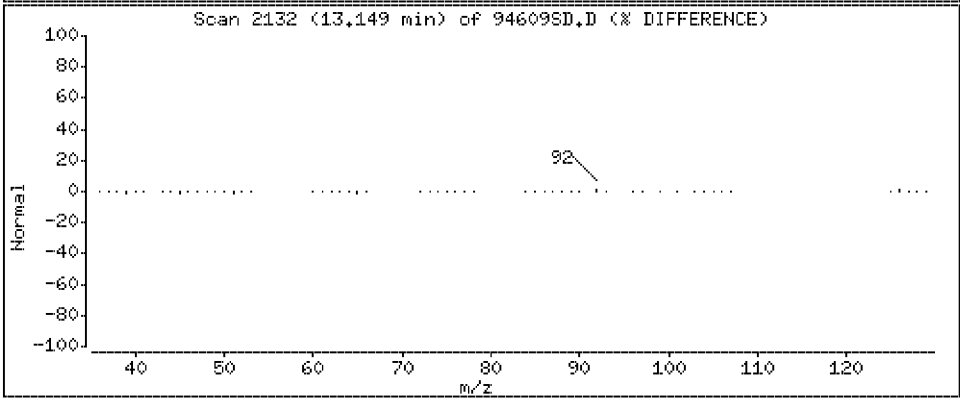












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

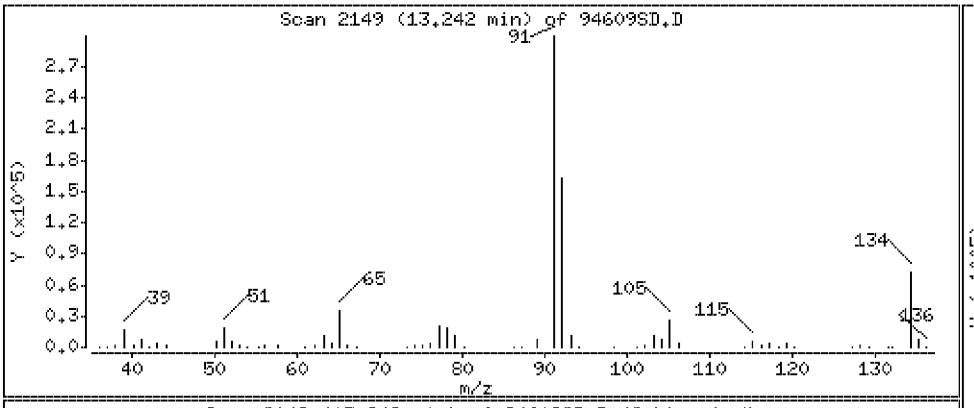
Operator:

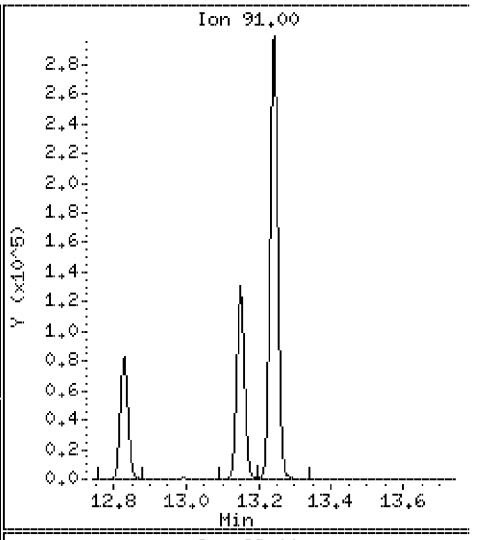
Column phase: DB-624

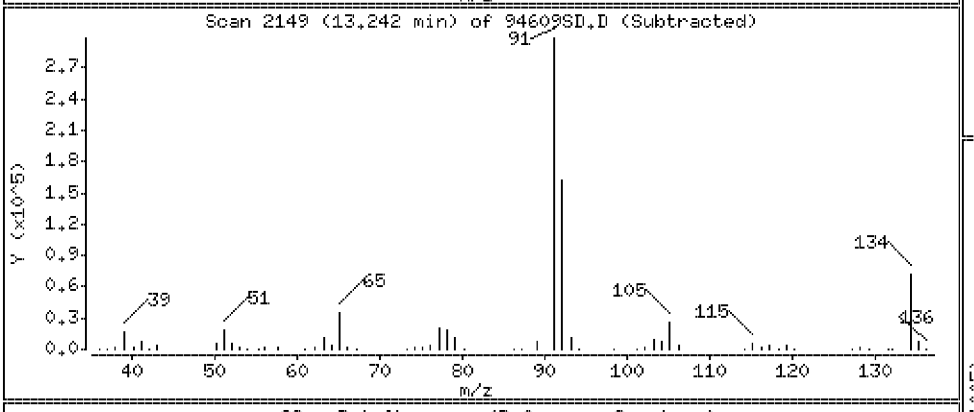
Column diameter: 0.18

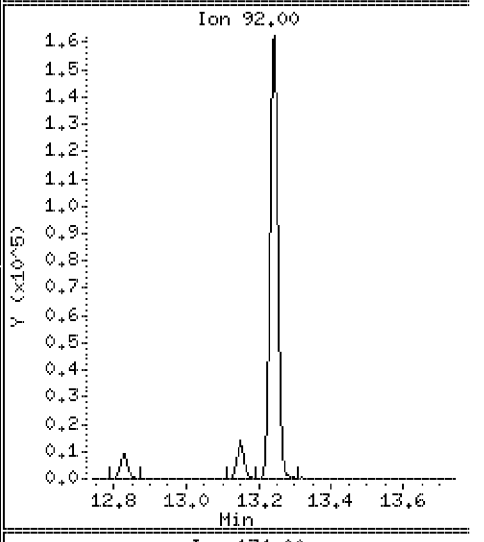
89 n-Butylbenzene

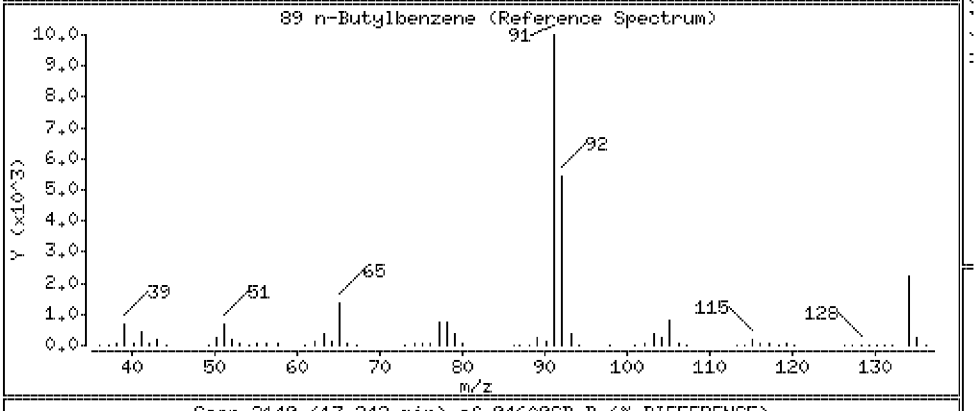
Concentration: 20.9 ug/l

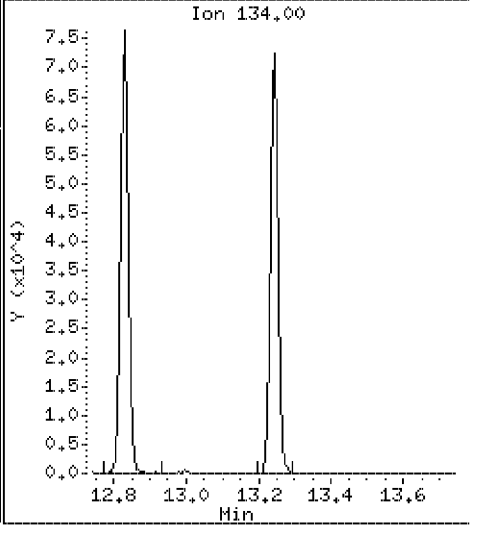


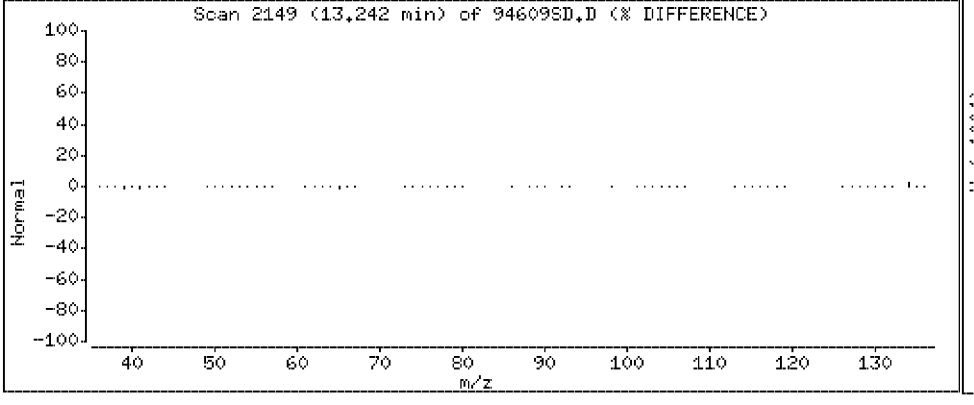












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

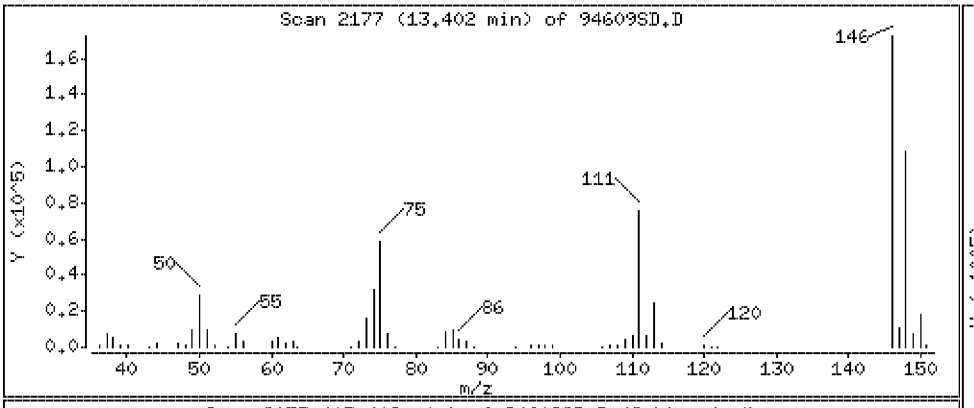
Operator:

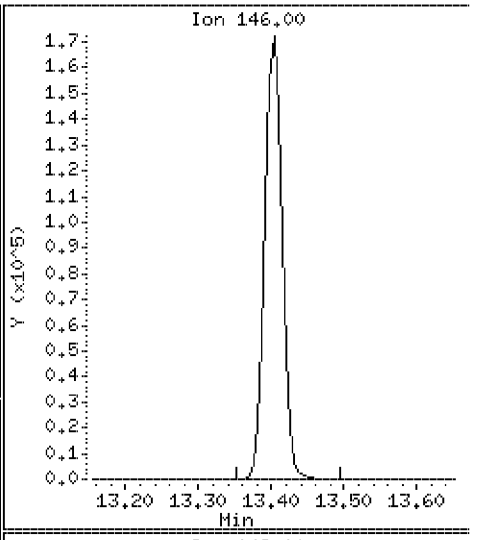
Column phase: DB-624

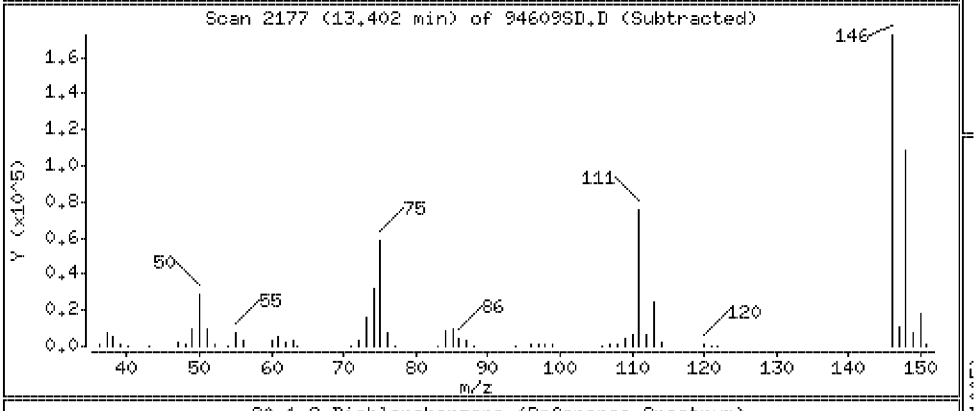
Column diameter: 0.18

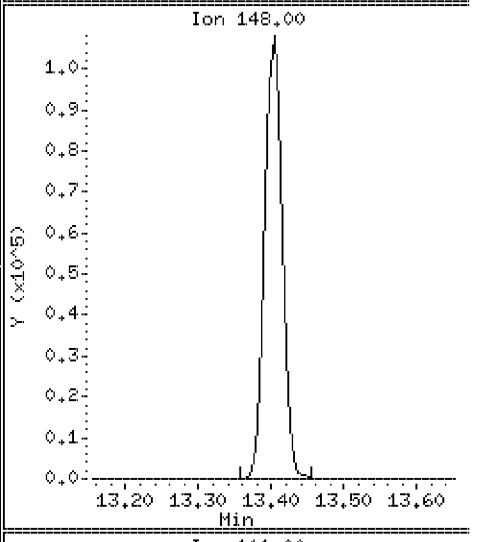
90 1,2-Dichlorobenzene

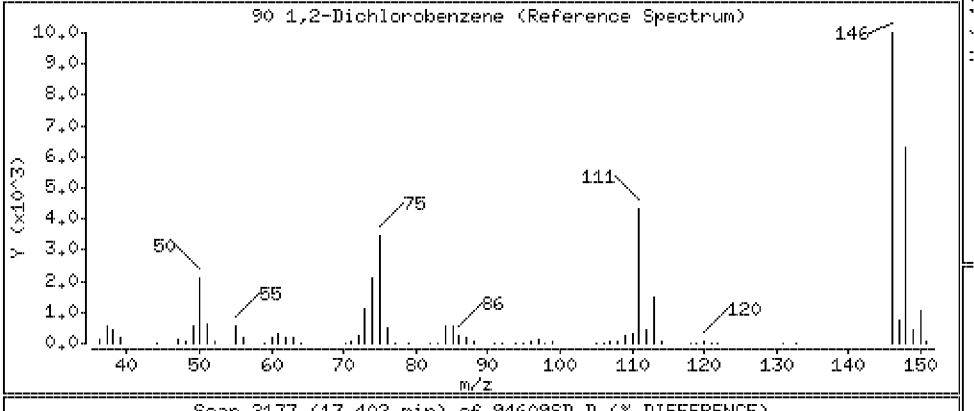
Concentration: 20.8 ug/l

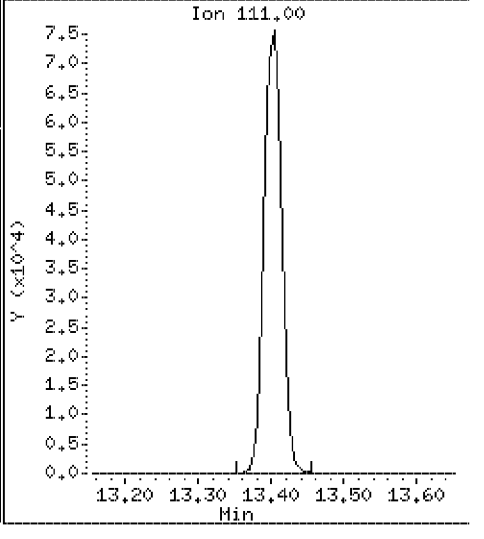


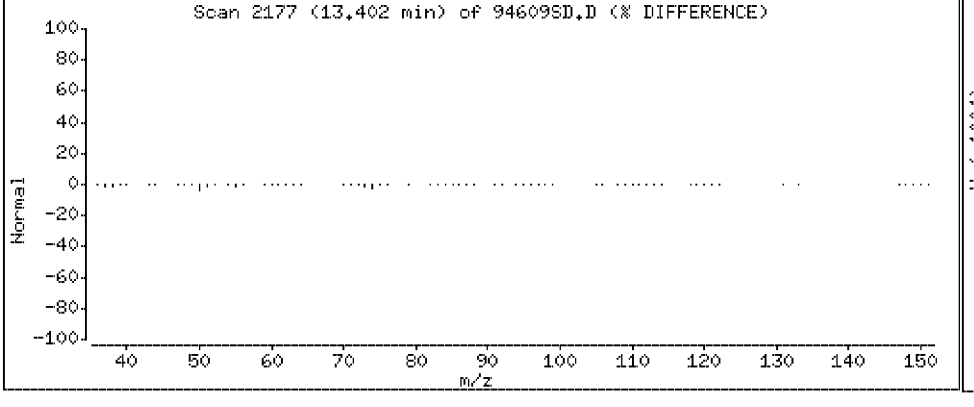












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

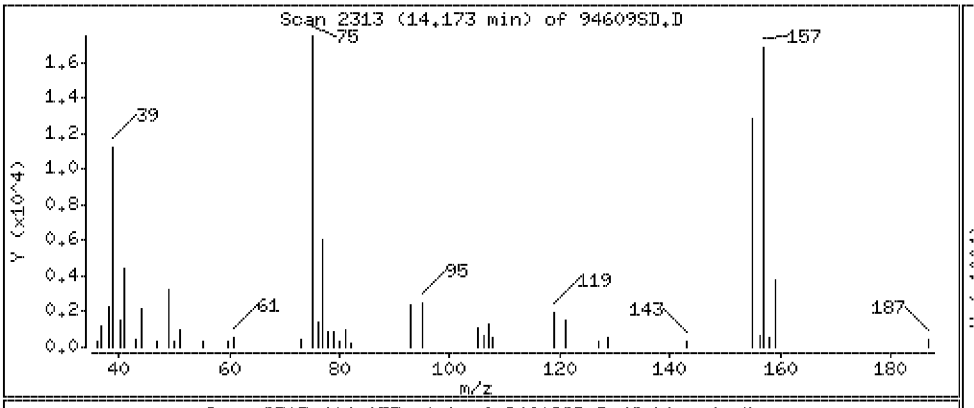
Operator:

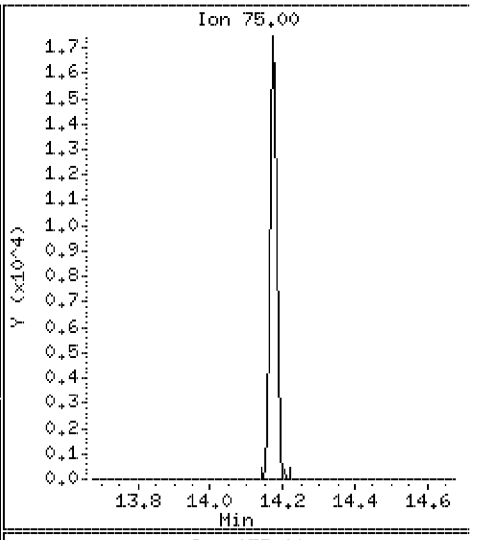
Column phase: DB-624

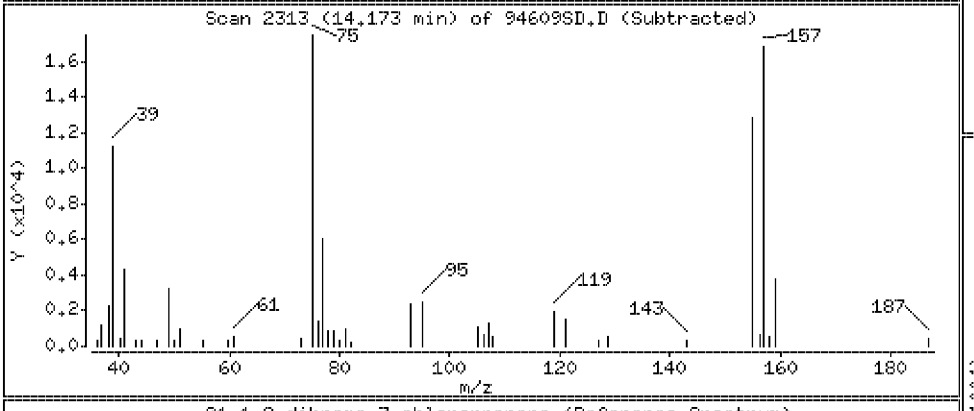
Column diameter: 0.18

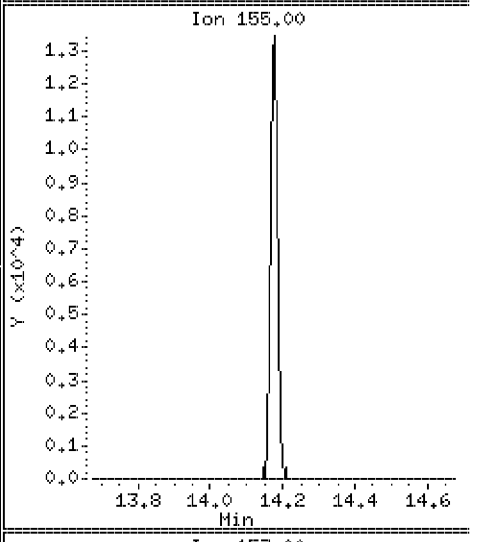
91 1,2-dibromo-3-chloropropane

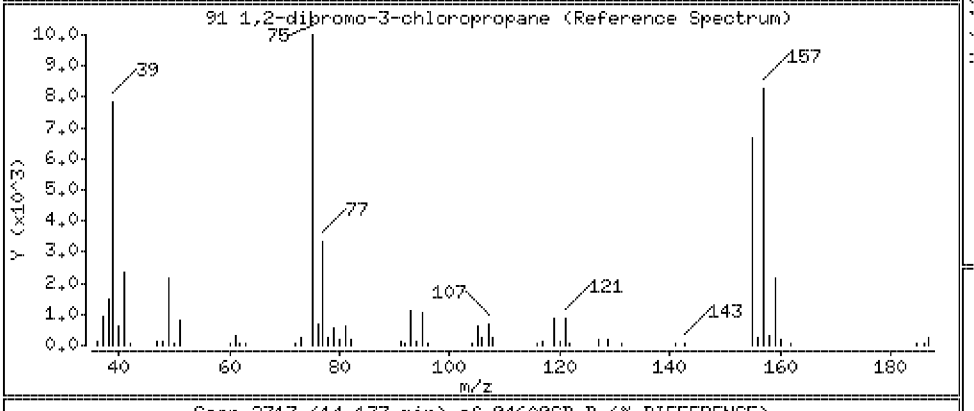
Concentration: 20.8 ug/l

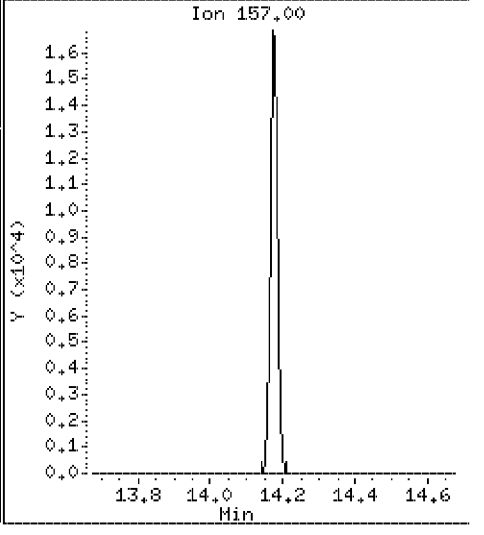


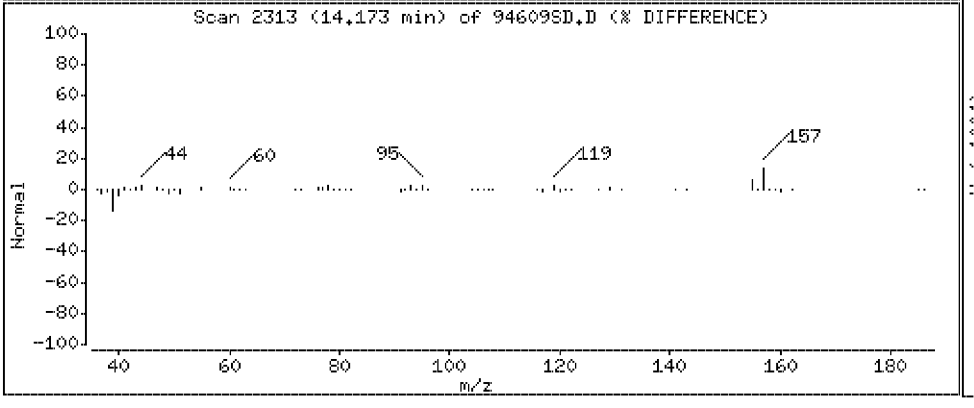












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

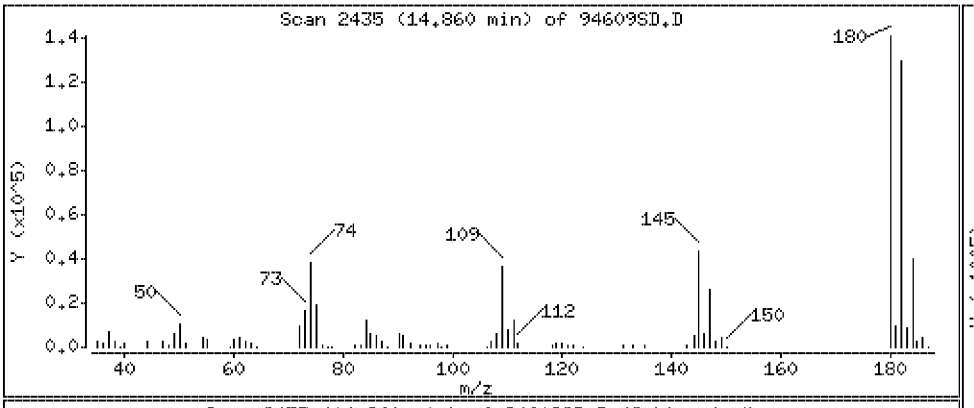
Operator:

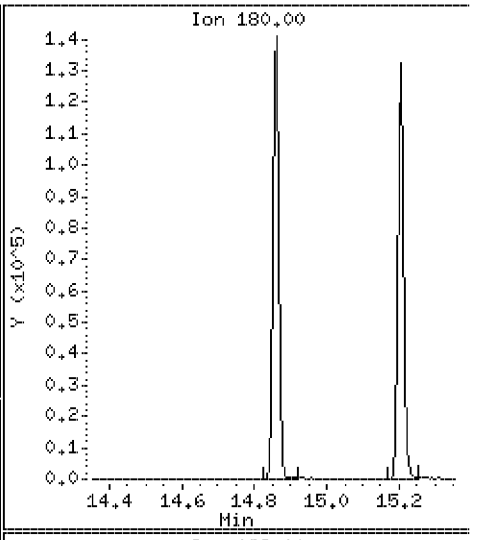
Column phase: DB-624

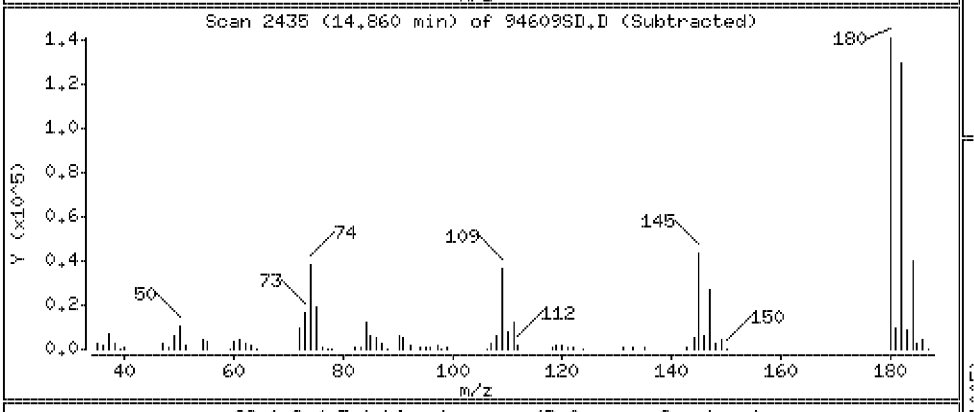
Column diameter: 0.18

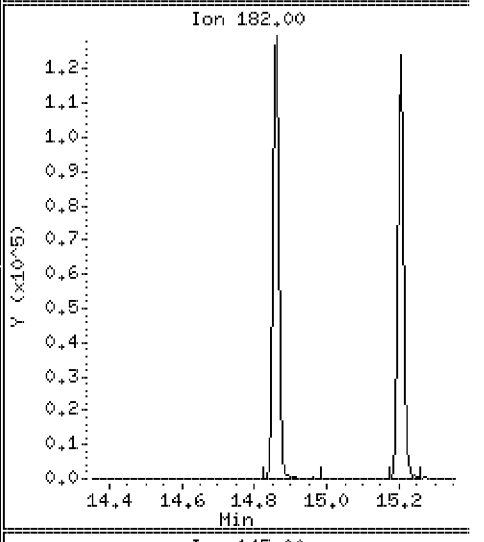
92 1,2,4-Trichlorobenzene

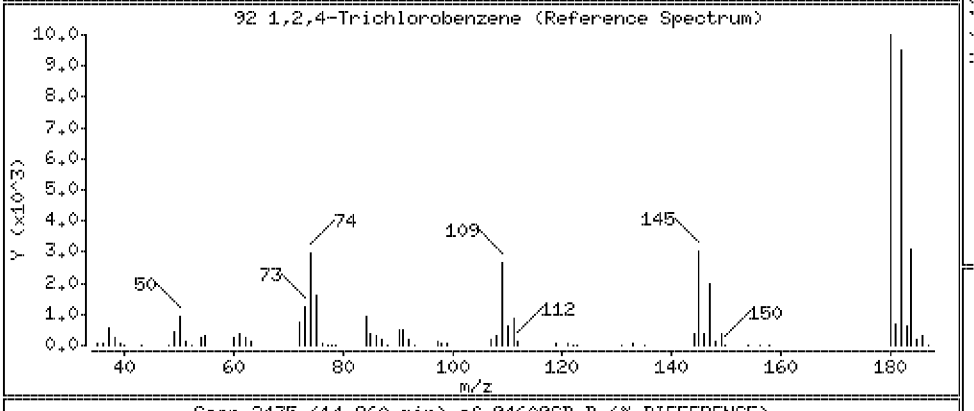
Concentration: 20.9 ug/l

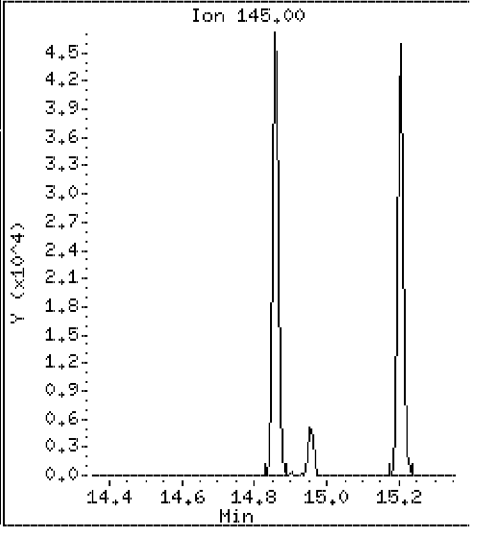


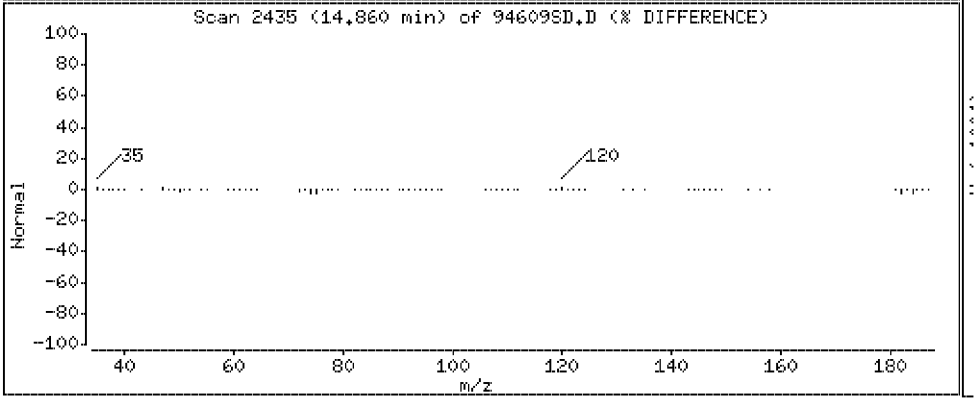












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

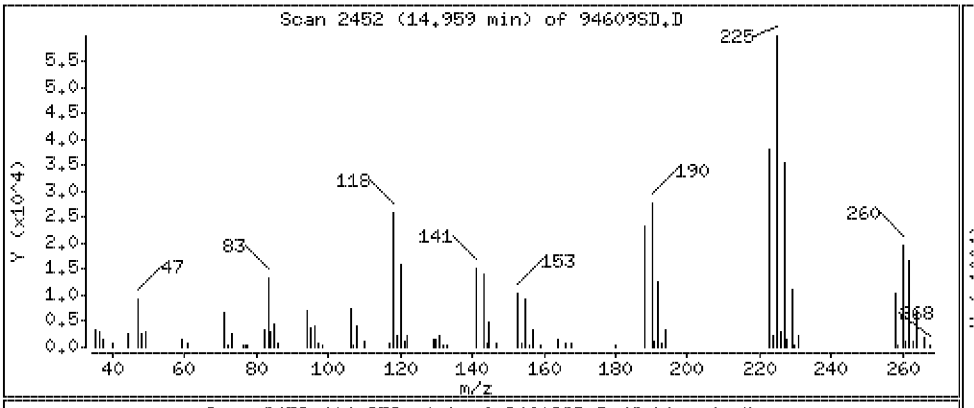
Operator:

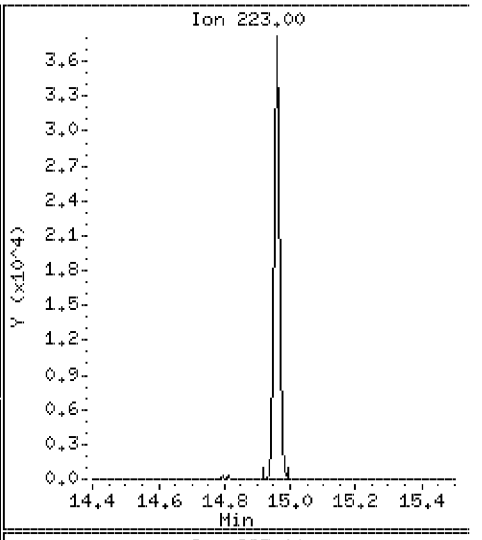
Column phase: DB-624

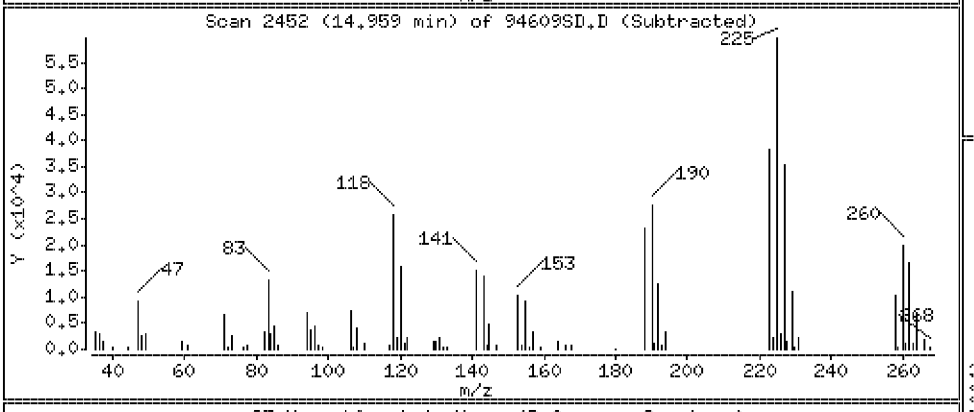
Column diameter: 0.18

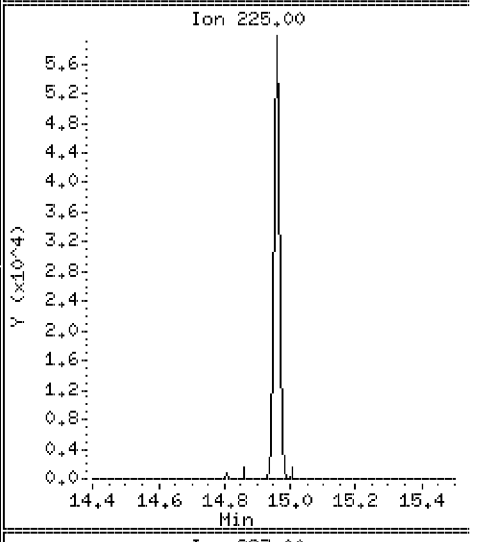
93 Hexachlorobutadiene

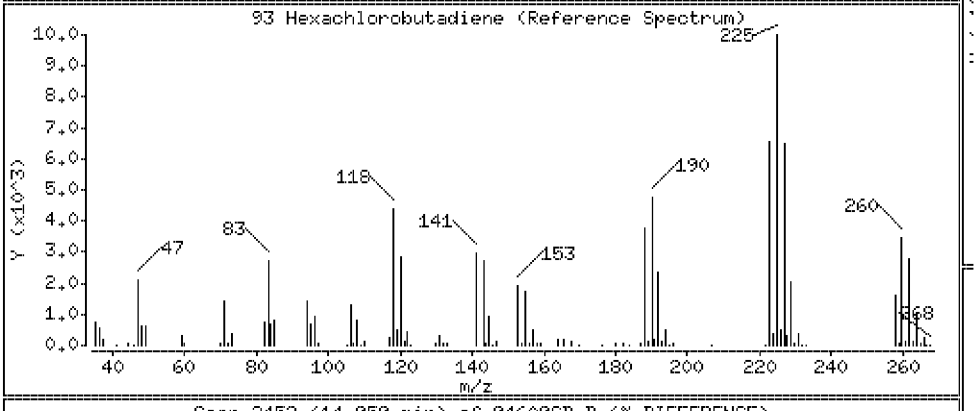
Concentration: 22.5 ug/l

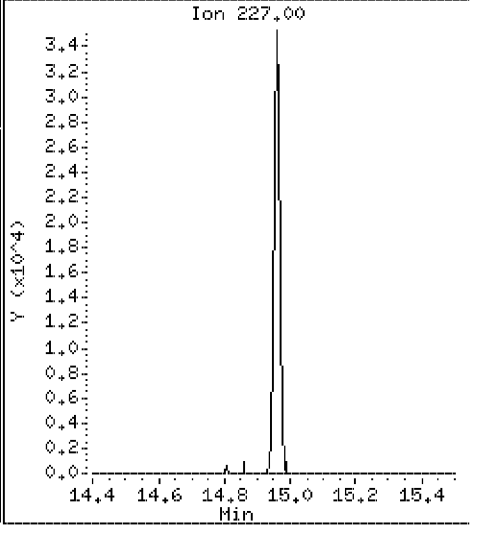


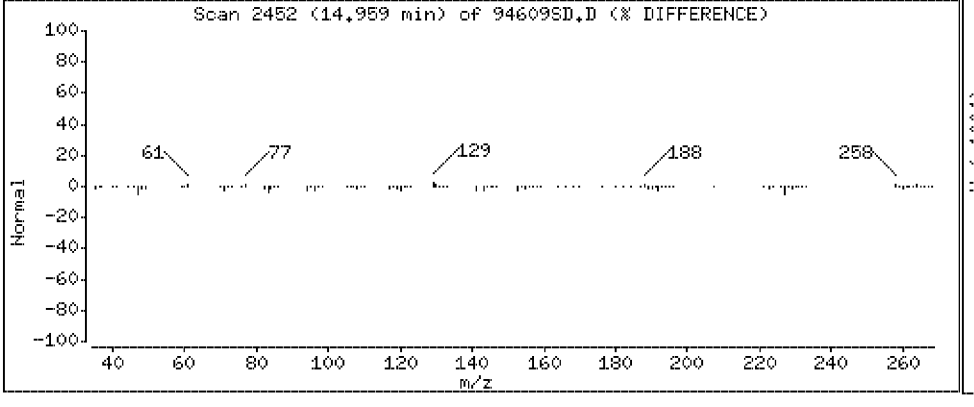












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

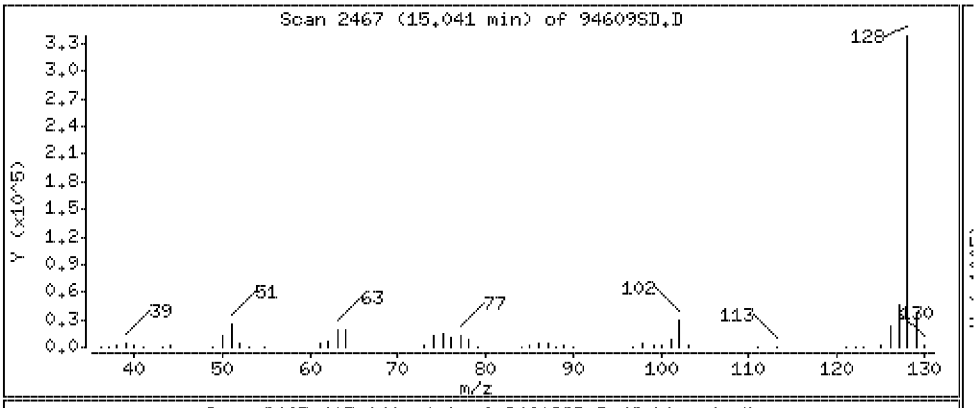
Operator:

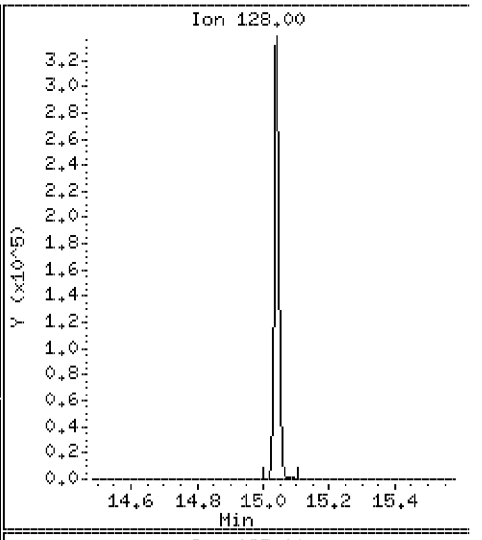
Column phase: DB-624

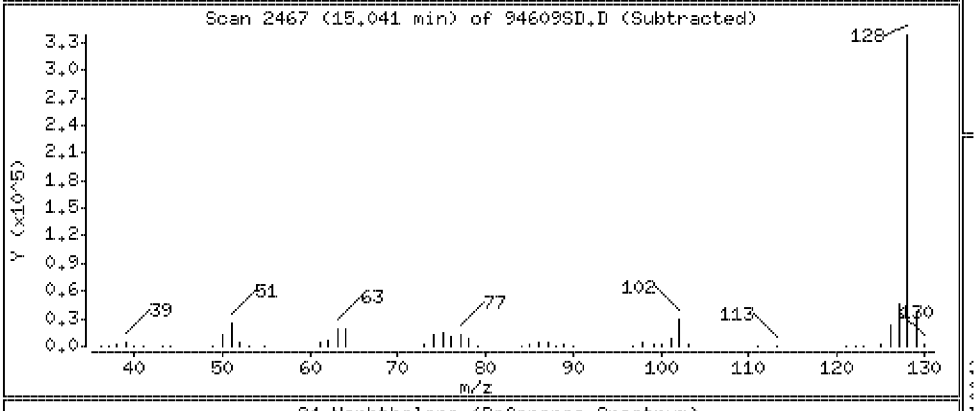
Column diameter: 0.18

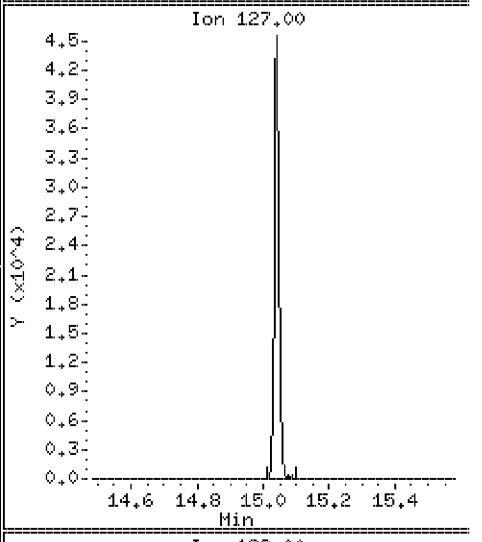
94 Naphthalene

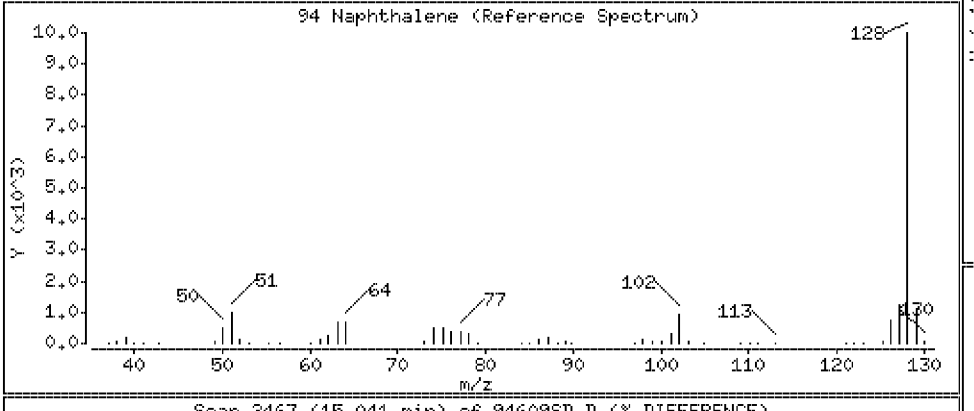
Concentration: 21.2 ug/l

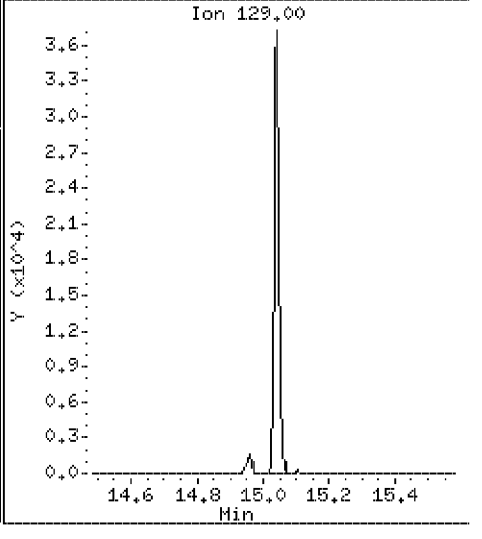


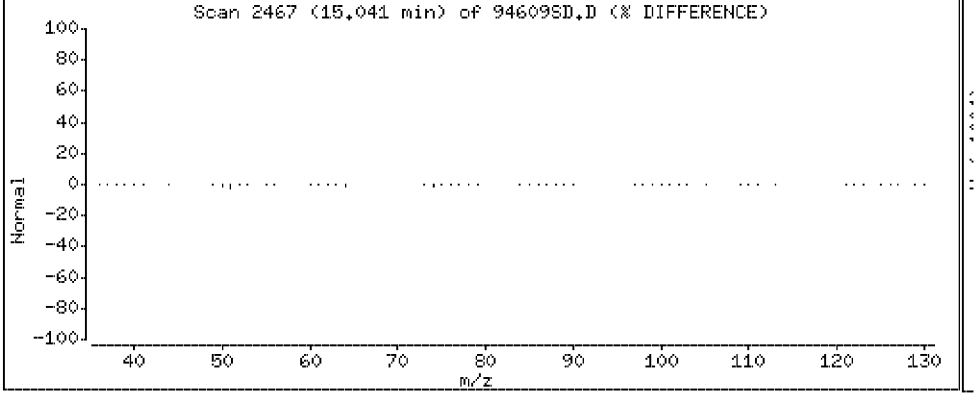












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

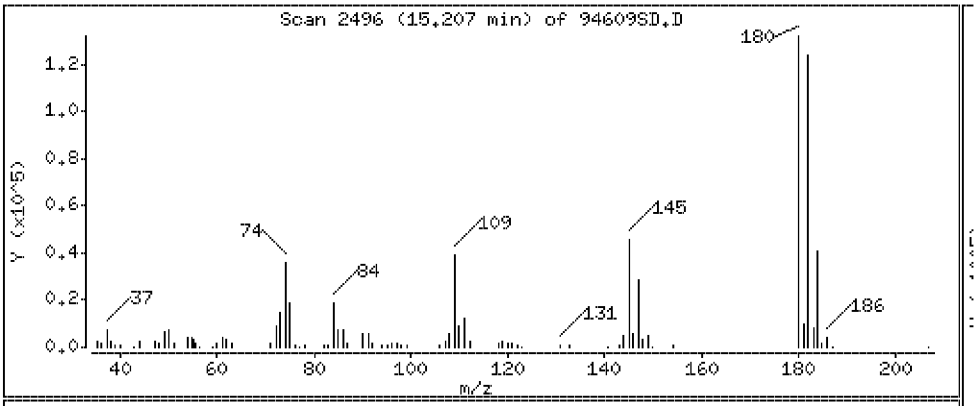
Operator:

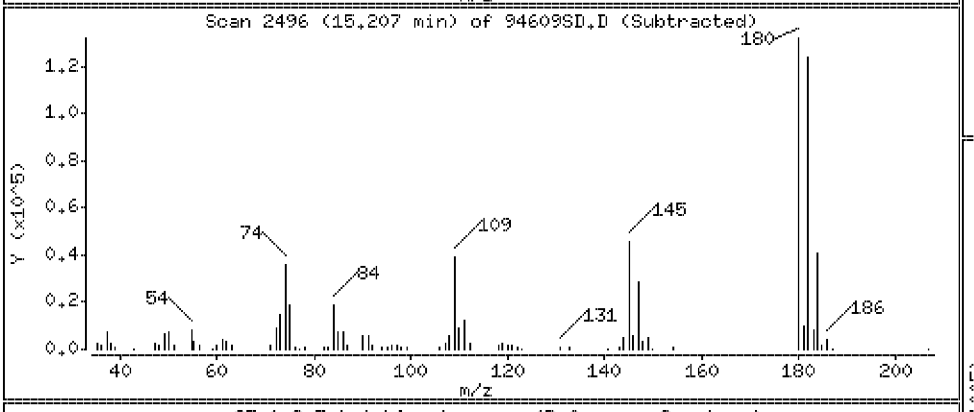
Column phase: DB-624

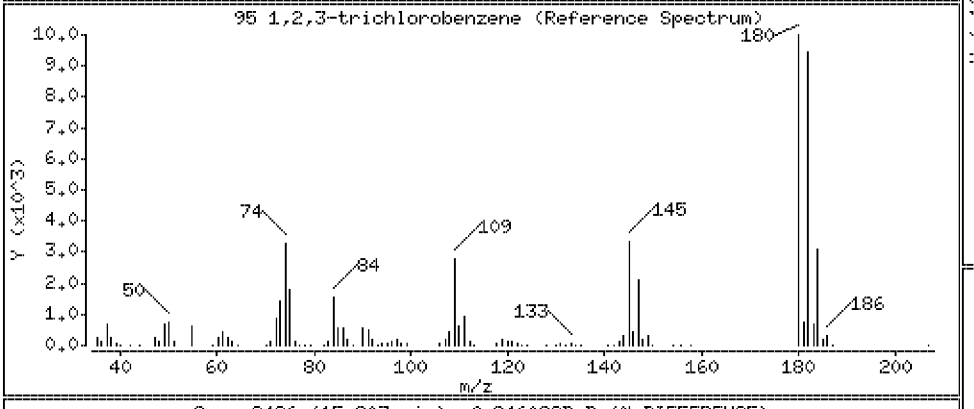
Column diameter: 0.18

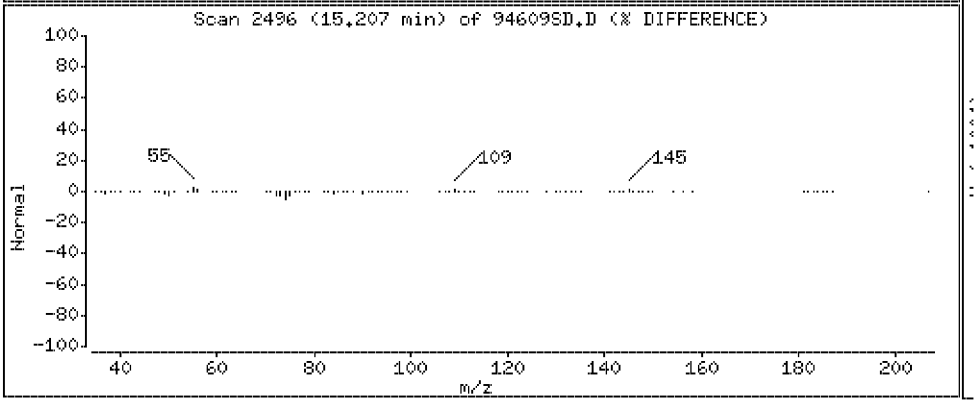
95 1,2,3-trichlorobenzene

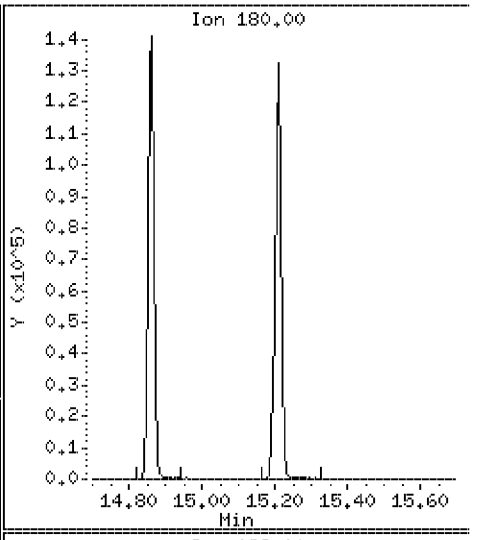
Concentration: 21.0 ug/l

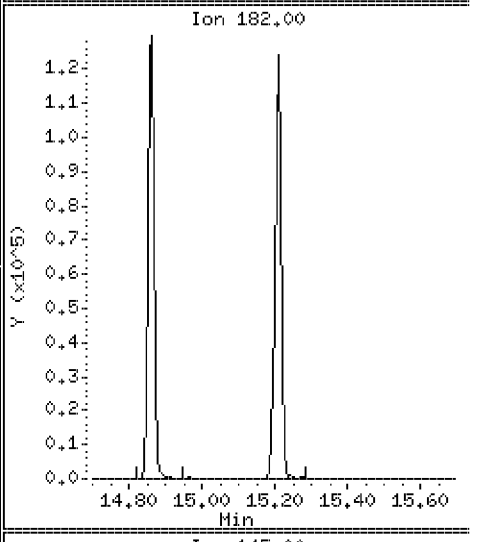


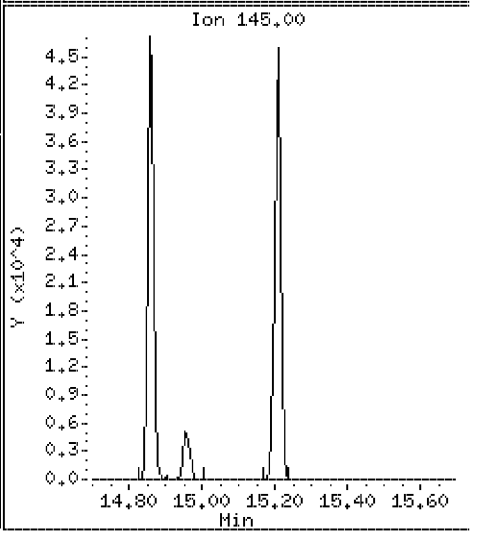












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

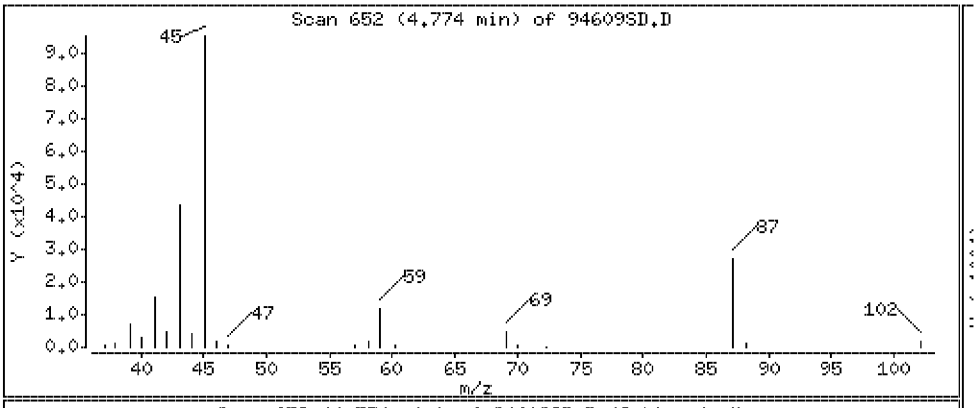
Operator:

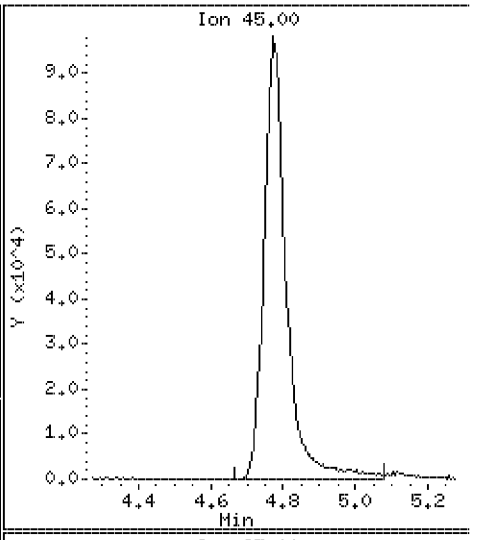
Column phase: DB-624

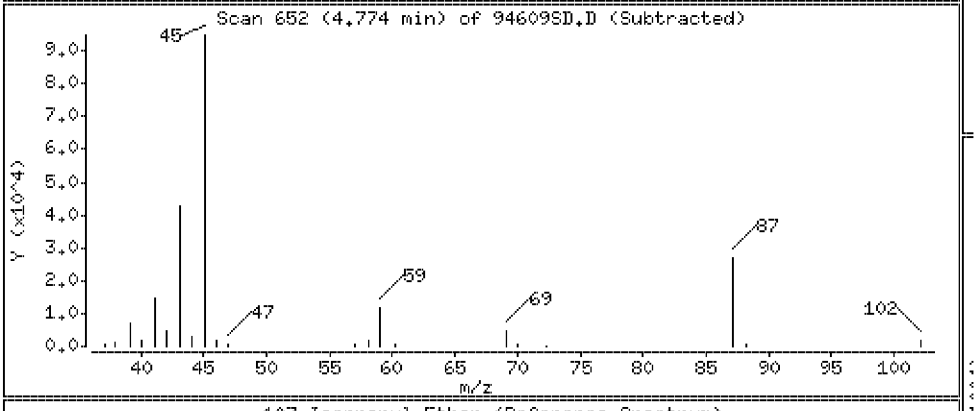
Column diameter: 0.18

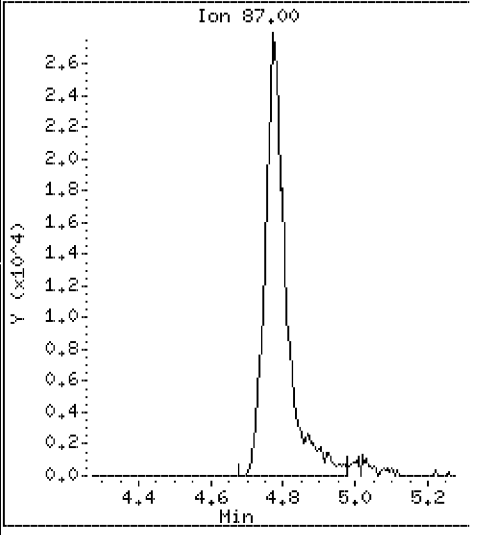
103 Isopropyl Ether

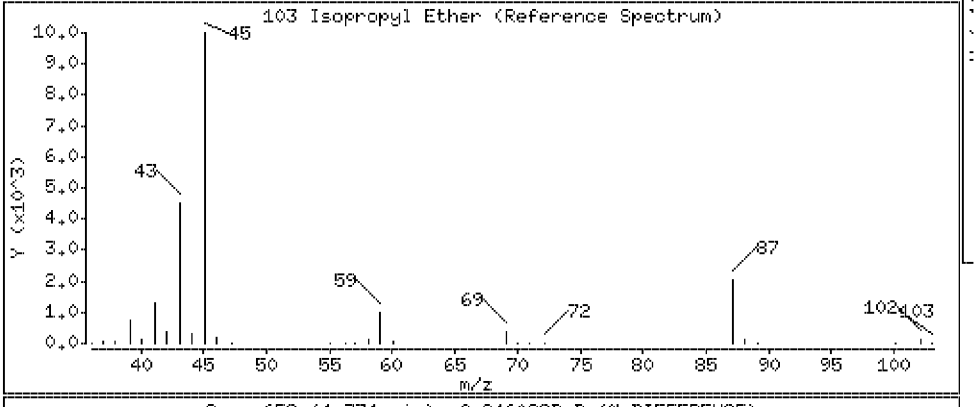
Concentration: 19.5 ug/l

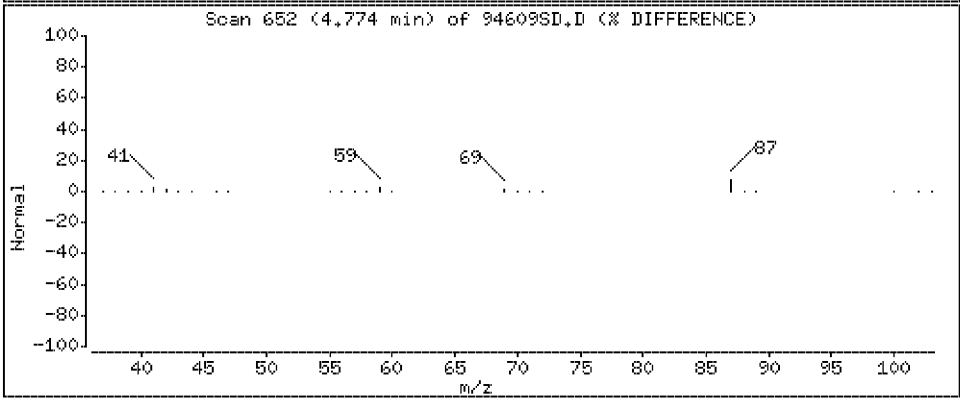












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

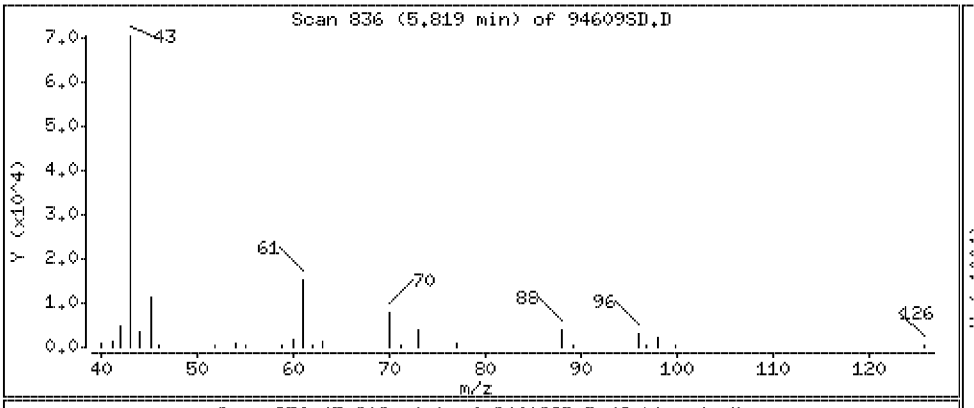
Operator:

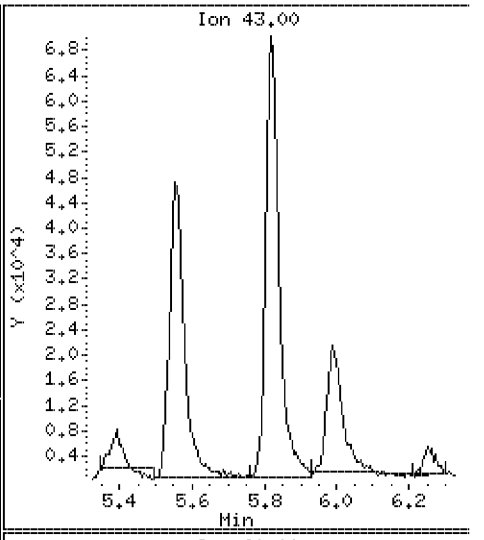
Column phase: DB-624

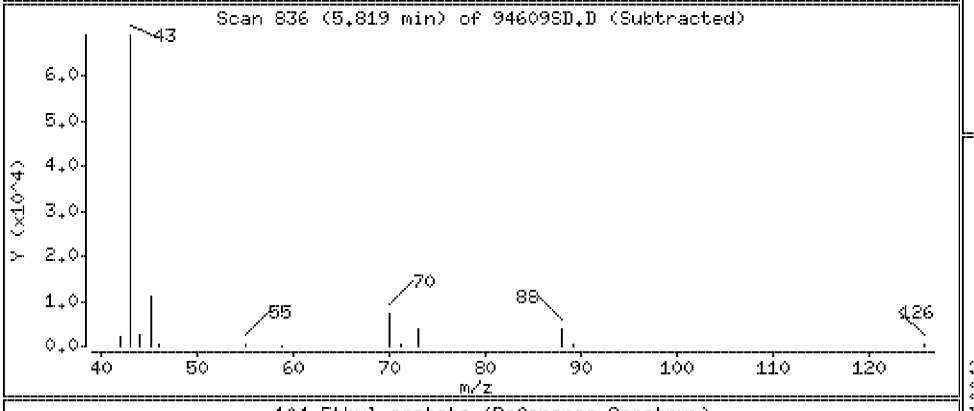
Column diameter: 0.18

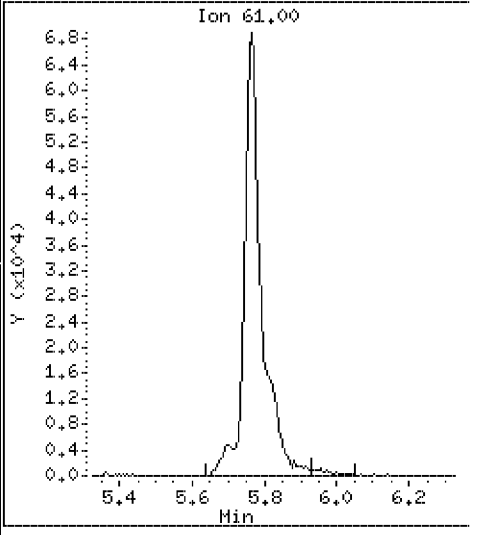
104 Ethyl acetate

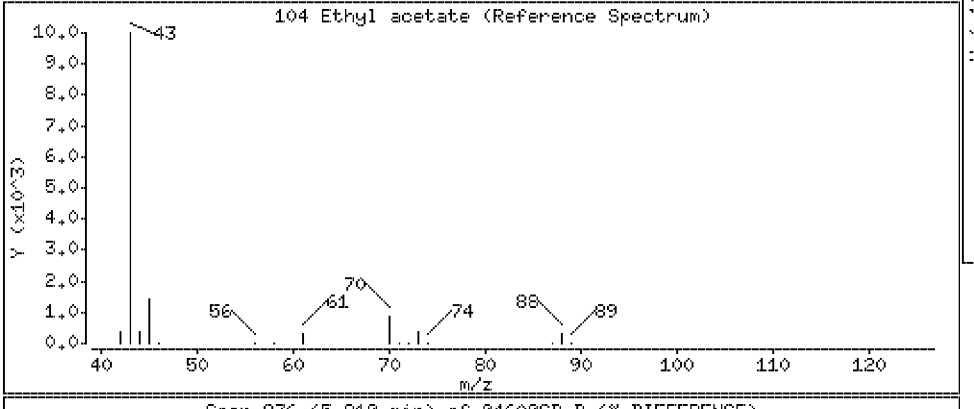
Concentration: 39.0 ug/l

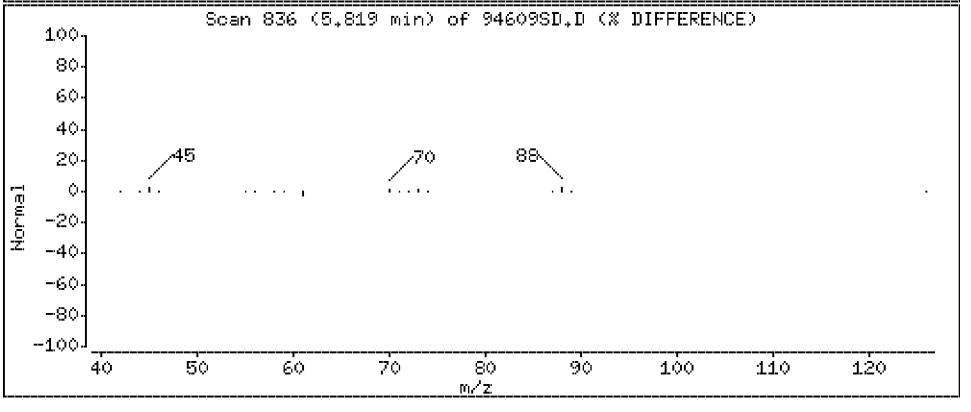












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP-[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

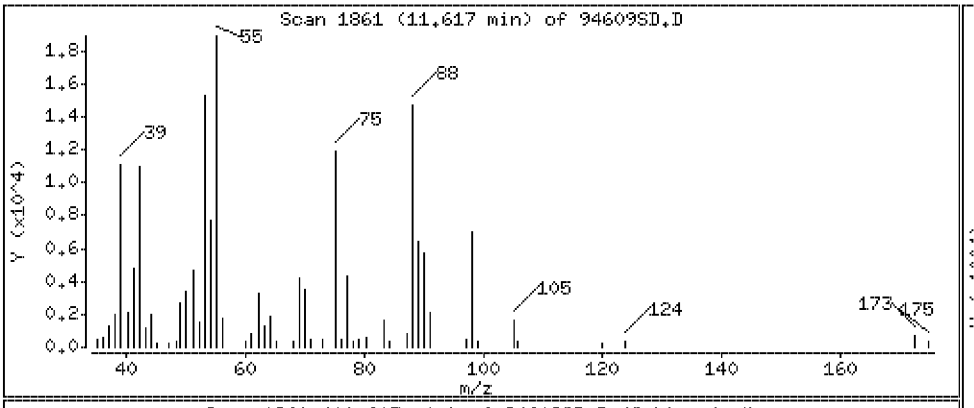
Operator:

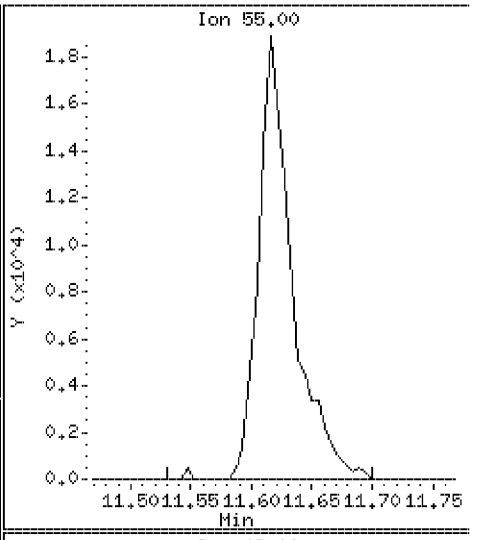
Column phase: DB-624

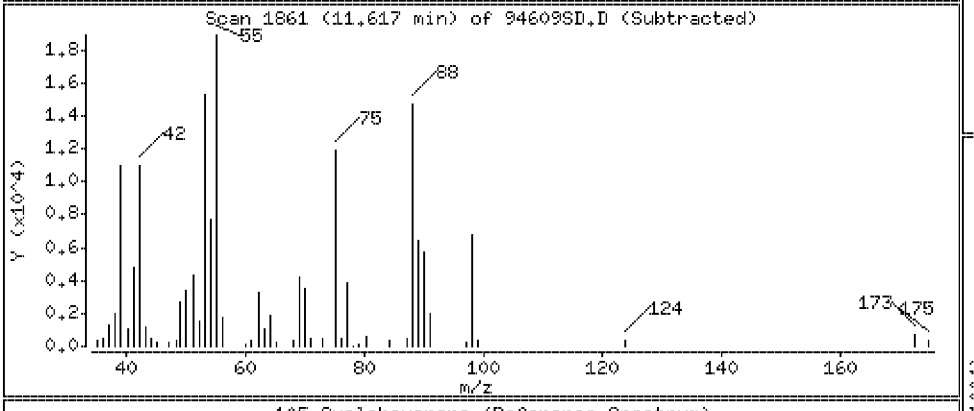
Column diameter: 0.18

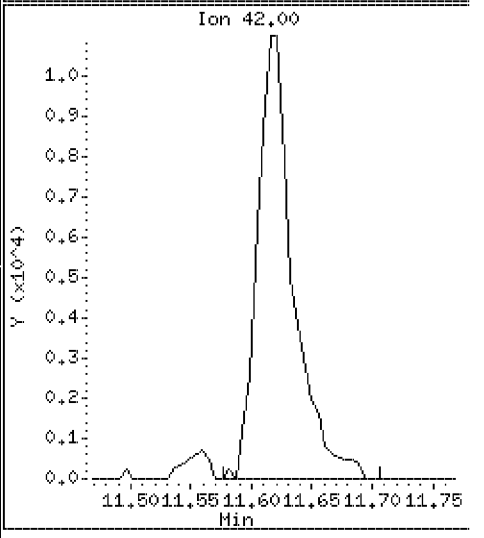
105 Cyclohexanone

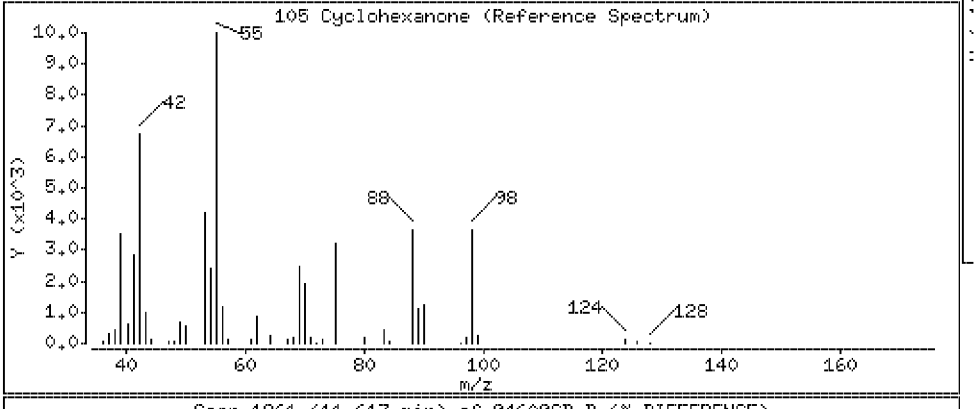
Concentration: 79.1 ug/l

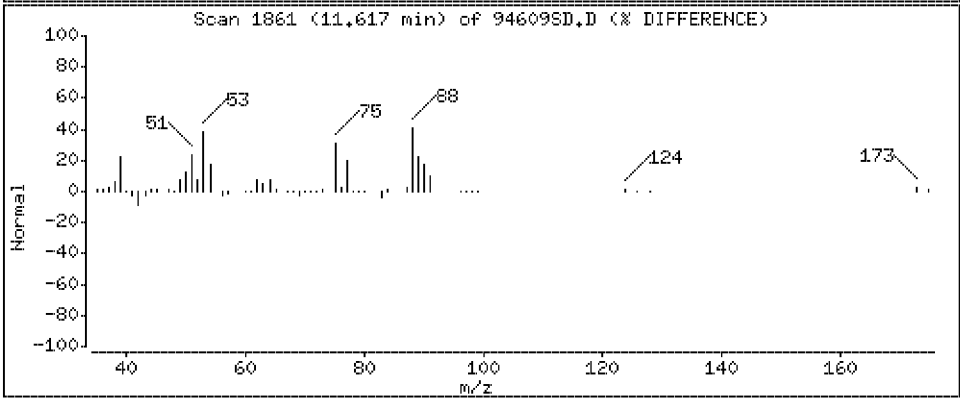












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP[redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

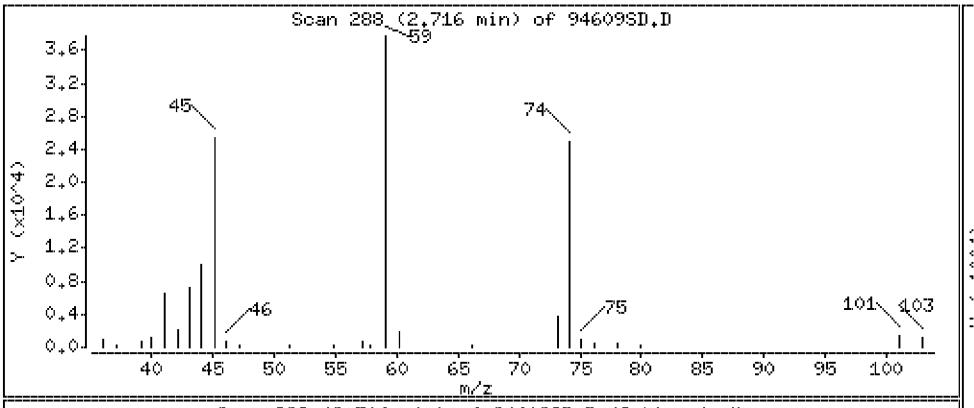
Operator:

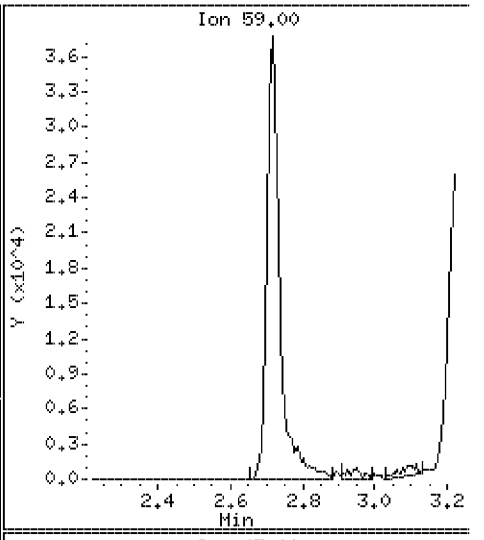
Column phase: DB-624

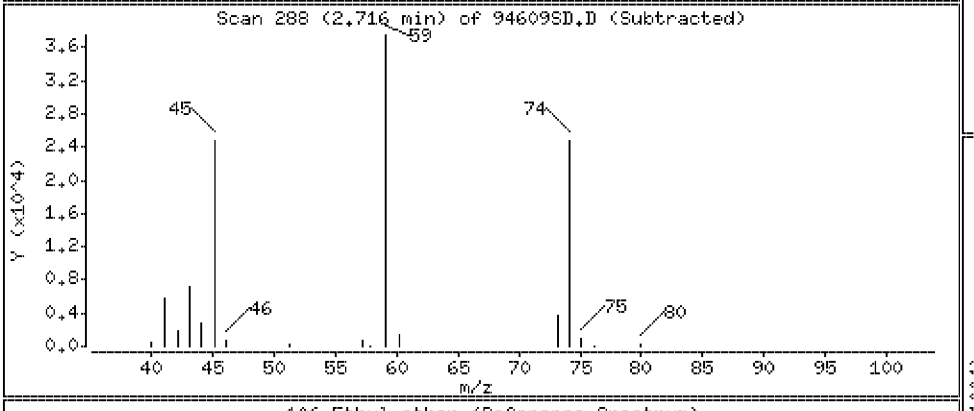
Column diameter: 0.18

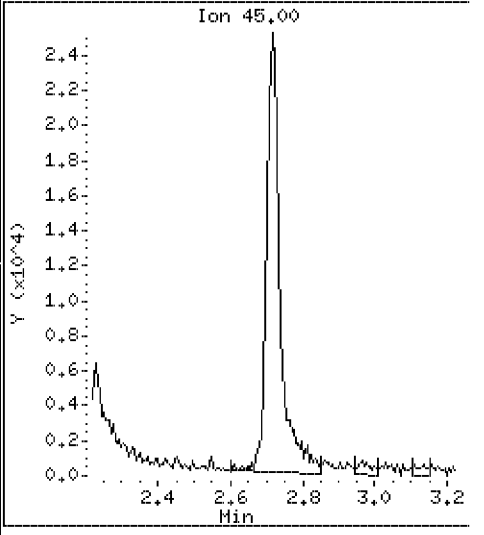
106 Ethyl ether

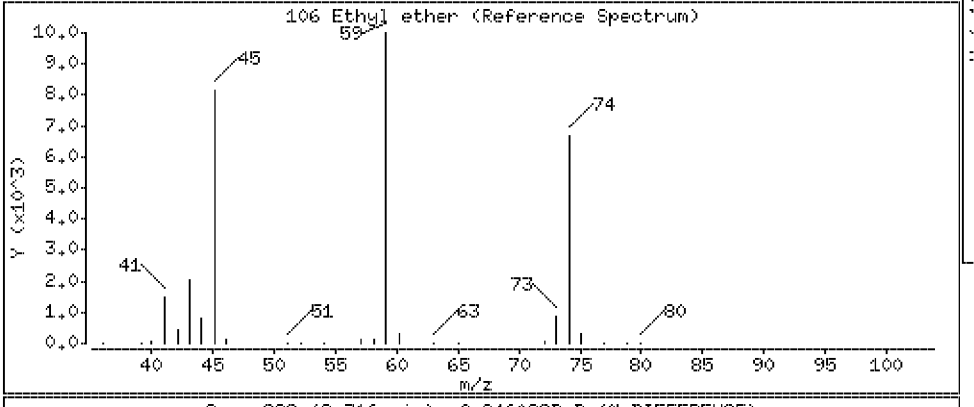
Concentration: 20.5 ug/l

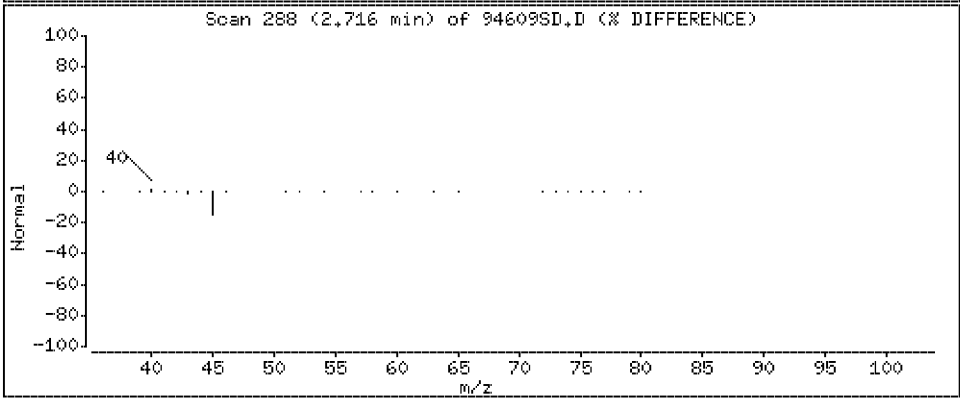












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

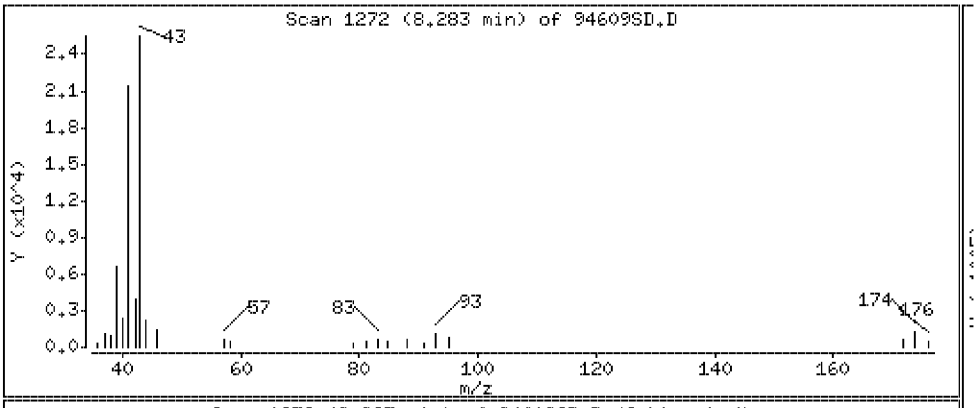
Operator:

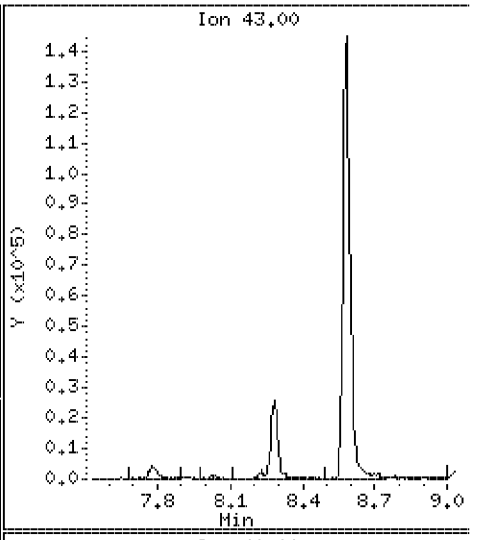
Column phase: DB-624

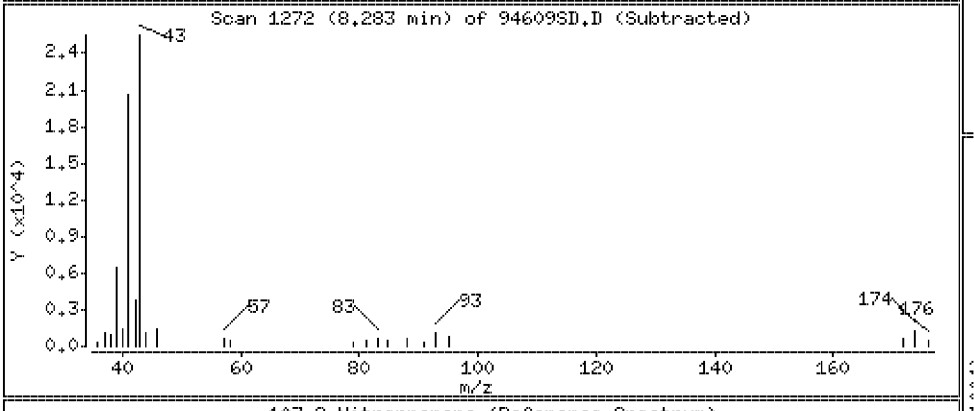
Column diameter: 0.18

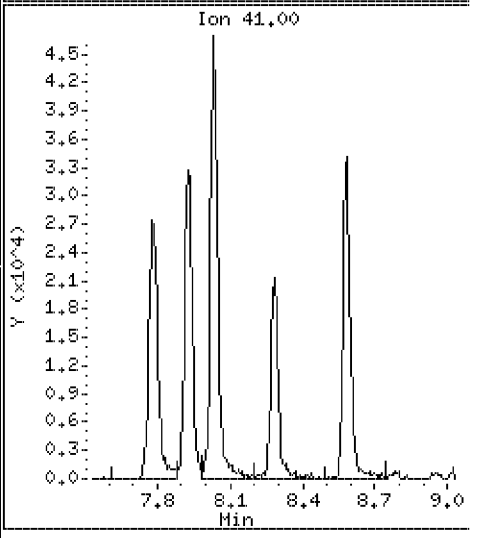
107 2-Nitropropane

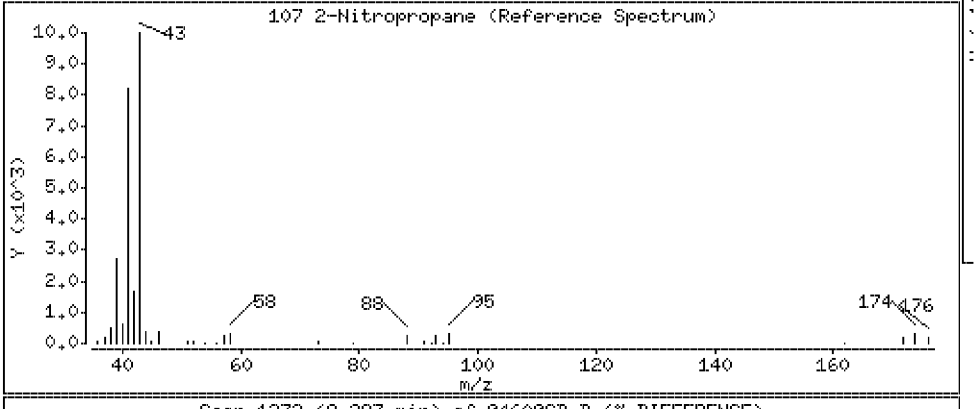
Concentration: 47.6 ug/l

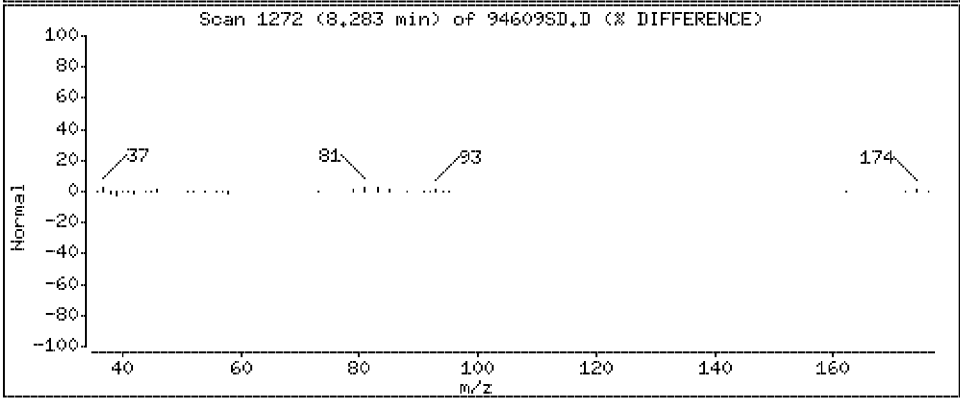












Data File: \\Vms03\dd\chem\vms03.i\M3040408.b\94609SD.D

Date : 04-APR-2008 07:52

Client ID: SLOP [redacted]

Instrument: vms03.i

Sample Info: 250894609;2508946;1;

Purge Volume: 5.0

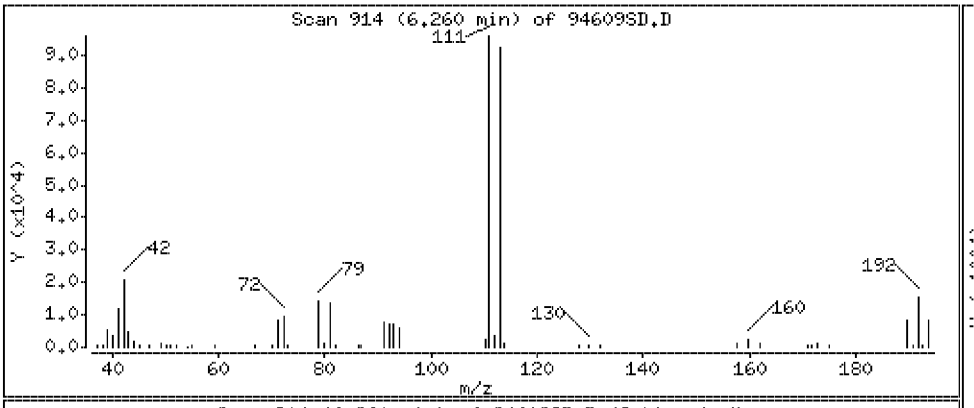
Operator:

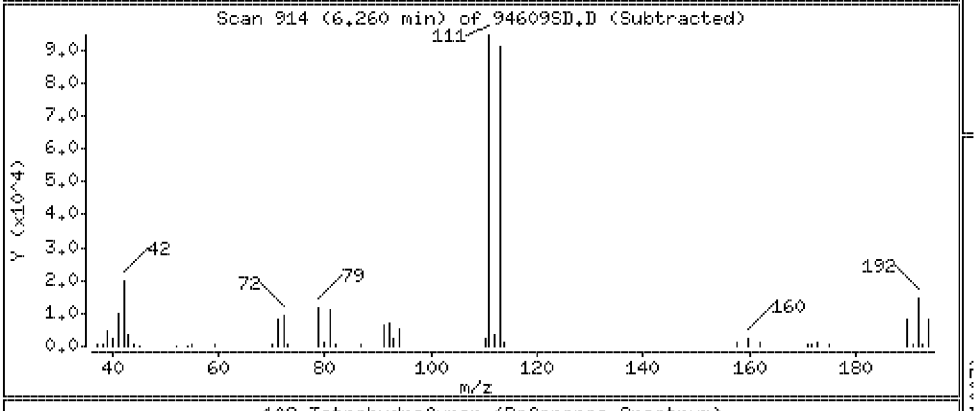
Column phase: DB-624

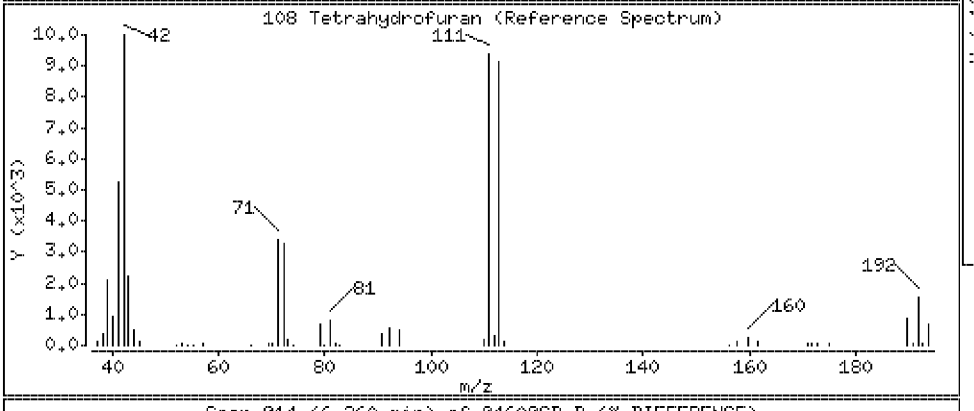
Column diameter: 0.18

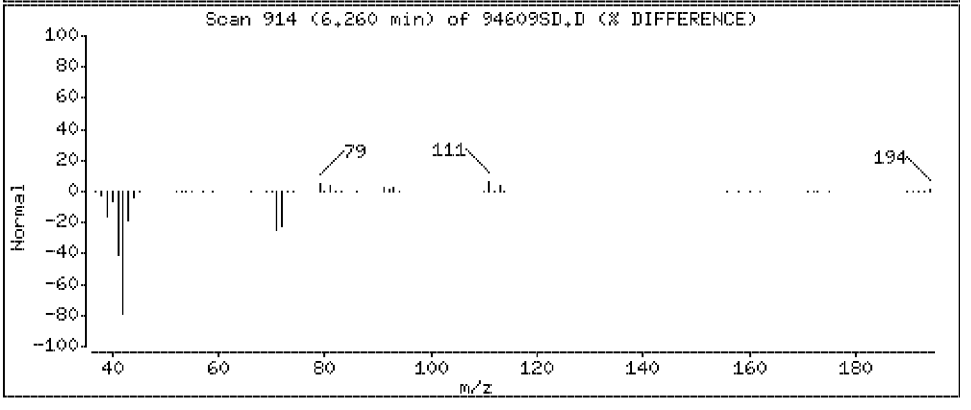
108 Tetrahydrofuran

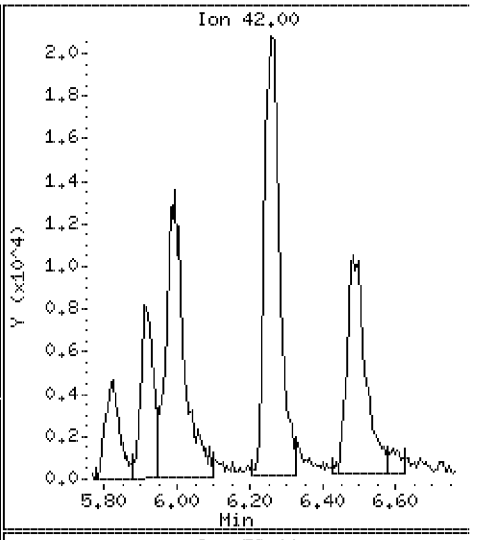
Concentration: 34.5 ug/l

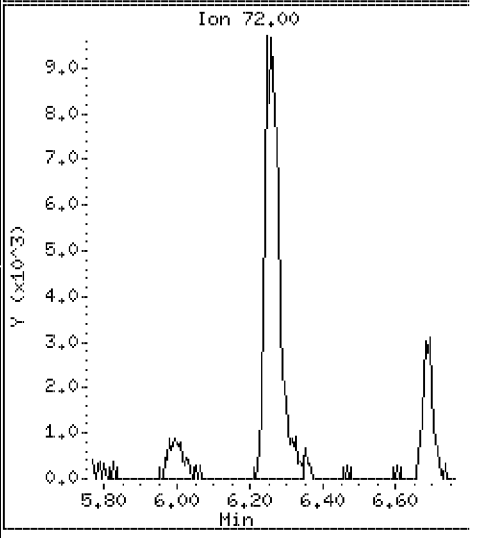












Raw Data Method 8260 TCLP

MSI ICAC 3/25/08

Vm503 8260(H2O)(M3032508C) 3/25/08 Auto IS: H2O Path

File		STD/surr/IS #5	Amount	client
BFB31		23333, 22055	50 ng	Pel. QC
300 ppt	22652, 22654 22656, 22658		300 ppt	
500 ppt			500 ppt	
1 ppb			1 ppb	
80 ppb			80 ppb	
60 ppb			60 ppb	
50 ppb			50 ppb	
20 ppb			20 ppb	
10 ppb			10 ppb	
5 ppb			5 ppb	
2 ppb			2 ppb	
SEC31	22653, 22655 22657, 22659		50 ppb	
SEC32				

Reviewed By MSI 3/25/08

MBT (TCIP) ISAC · 3/25/08

VMS03 8260 (H2O) (M3040408) 4/4/08 Auto IS · H2O Path

vial	File	STD/surr/IS#5	Amount	client
–	BFB31	23333, 22055	50ng	Pel. QC
–	SOCCW31	22652, 22654 22656, 22658	50ppb	
–	SOCCW32	↓	↓	
–	LCS32	22653, 22655 22657, 22659	20ppb	
1,2,3	94608 (MS)	↓	↓	
↓	94609 (SD)			
–	BIK31	5mls	5mls	
–	TBIK32	.5mls/5mls (TCIP)	.5mls/5mls	
–	BIK32	5mls	5mls	
–	94604 (TCIP)		.5mls/5mls	(SLOP
2	94603		5mls	
1	01			
2	02			
1	05			
	06			
2	07			
8	95408			(APEX)
1	11			
1	12			
5	95401			
6	02			
8	03			
7	04			
3	05			
4	06			
6	07			
5	09			
3	10			

Round my mg

2508946

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22055	8260_INT_IS			6/10/2008	100 ML	12/10/2007	mstephens

250 UG/ML: 1,4-Dichlorobenzene-d4, Chlorobenzene d5, Fluorobenzene

COMPOSED OF:

16402: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22652	8260_Main Mix_P			7/27/2008	50 ML	2/5/2008	mstephens

1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Ethyl acetate, Ethyl Ether, Isopropyl Ether, Methacrylonitrile, Propionitrile, t-Butanol, Tetrahydrofuran

COMPOSED OF:

22597: 1.25 ML 22599: 1.25 ML 22601: 1.25 ML 22603: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22653	8260_Main Mix_S			7/25/2008	40 ML	2/5/2008	mstephens

100 UG/ML: 2-Nitropropane, Ethyl acetate, Tetrahydrofuran
1000 UG/ML: 1,4 Dioxane, Ethanol, Isobutyl alcohol
50 UG/ML: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichloro-2-butene, 1,4-Dichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Allyl chloride, Benzene, Benzyl chloride, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloroprene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl methacrylate, ethyl tert-butyl ether, Ethylbenzene, Fluorobenzene, Hexachlorobutadiene, Isopropyl Ether, Isopropylbenzene (Cumene), Methyl Acetate, Methyl Cyclohexane, Methyl methacrylate, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, p,m-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene
500 UG/ML: Acetonitrile, Cyclohexanone, Methacrylonitrile, Propionitrile

COMPOSED OF:

22598: 1 ML 22600: 1 ML 22602: 1 ML 22604: 1 ML 22607: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22654	8260_Add ons_P			4/28/2008	40 ML	2/5/2008	mstephens

50 UG/ML: Carbon disulfide, Methyl iodide, MTBE, Vinyl acetate

COMPOSED OF:

22605: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22655	8260_Add ons_S			4/28/2008	40 ML	2/5/2008	mstephens

50 UG/ML: Carbon disulfide, Methyl iodide, MTBE, Vinyl acetate

COMPOSED OF:

22606: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22656	8260_Ketones_+_P			7/27/2008	50 ML	2/5/2008	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

22593: 0.5 ML 22595: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22657	8260_Ketones_+_S			7/27/2008	50 ML	2/5/2008	mstephens

100 UG/ML: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile

COMPOSED OF:

22594: 0.5 ML 22596: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22658	8260_Gases_P			4/10/2008	50 ML	2/5/2008	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromoethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, ethyl tert-butyl ether, TERT-AMYL METHYL ETHER, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

21314: 0.25 ML 22608: 1.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22659	8260_Gases_S			4/10/2008	50 ML	2/5/2008	mstephens

50 UG/ML: 1,1,2-Trichlorotrifluoroethane, Bromoethane, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, ethyl tert-butyl ether, TERT-AMYL METHYL ETHER, Trichlorofluoromethane, Vinyl chloride

COMPOSED OF:

21315: 0.25 ML 21386: 0.25 ML 22609: 1.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23333	8260_INT_SURR			9/17/2008	100 ML	3/17/2008	mstephens

25.1 UG/ML: 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, Toluene d8

COMPOSED OF:

22065: 1 ML

PEL Laboratories, Inc.

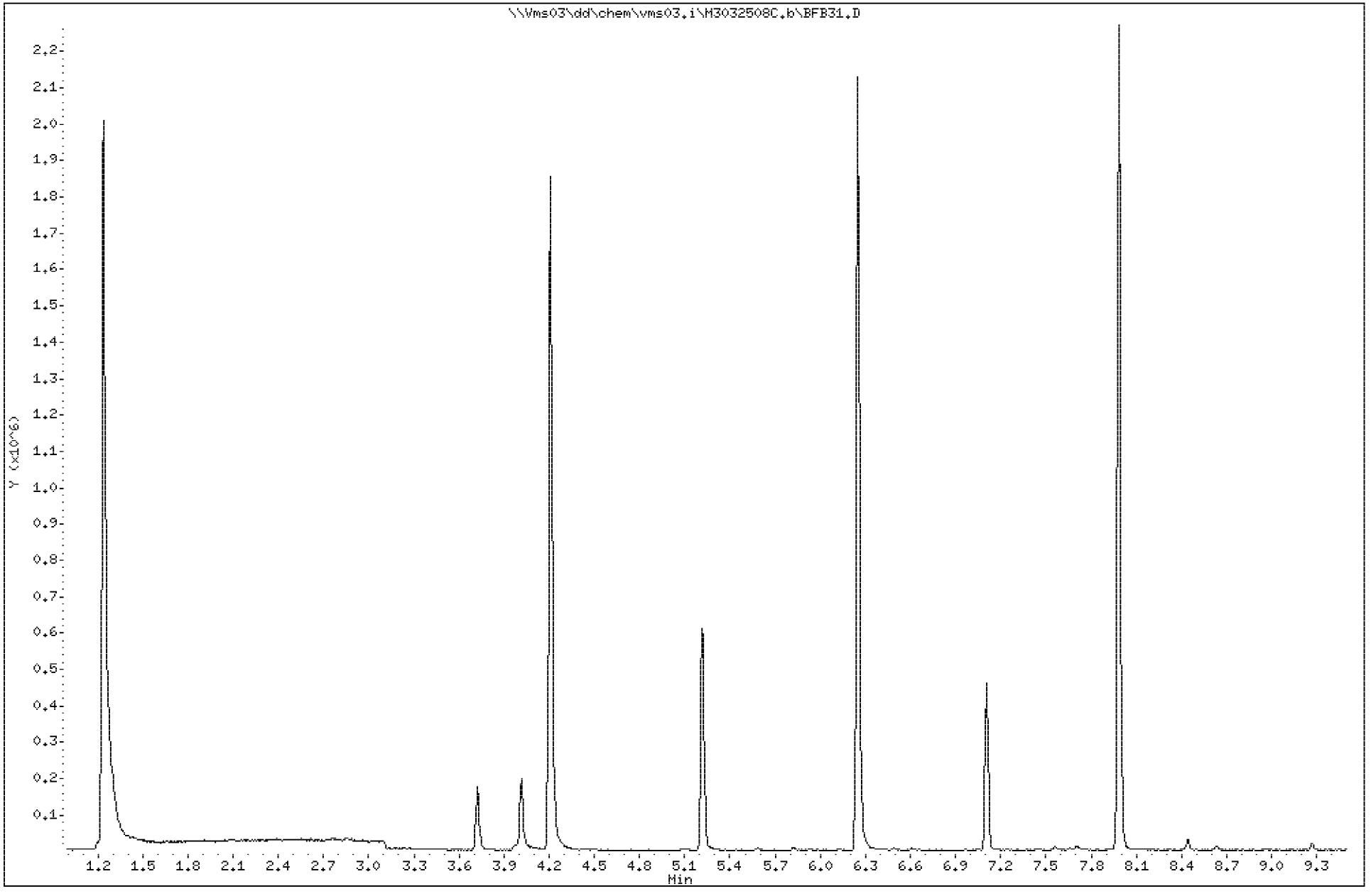
Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\BFB31.D
Lab Smp Id: 032508BFBA31 Client Smp ID: 032508BFBA31
Inj Date : 25-MAR-2008 05:44
Operator : Inst ID: vms03.i
Smp Info : 032508BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\BFBE.m
Meth Date : 27-Mar-2008 08:55 mstephens Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 74-83-9		
7.104	7.500	-0.396	95	69368			0.00- 100.00	100.00
7.104	7.500	-0.396	50	15300			15.00- 40.00	22.06
7.104	7.500	-0.396	75	34832			30.00- 60.00	50.21
7.104	7.500	-0.396	96	4281			5.00- 9.00	6.17
7.104	7.500	-0.396	173	0	0.0	0.0	0.00- 2.00	0.00
7.104	7.500	-0.396	174	42968			50.00- 100.00	61.94
7.104	7.500	-0.396	175	3387			5.00- 9.00	7.88
7.104	7.500	-0.396	176	41856			95.00- 101.00	97.41
7.104	7.500	-0.396	177	3118			5.00- 9.00	7.45

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\BFB31.D
Date : 25-MAR-2008 05:44
Client ID: 032508BFBA31
Sample Info: 032508BFBA31
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-395
2508946

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\BFB31.D

Date : 25-MAR-2008 05:44

Client ID: 032508BFBA31

Instrument: vms03.i

Sample Info: 032508BFBA31

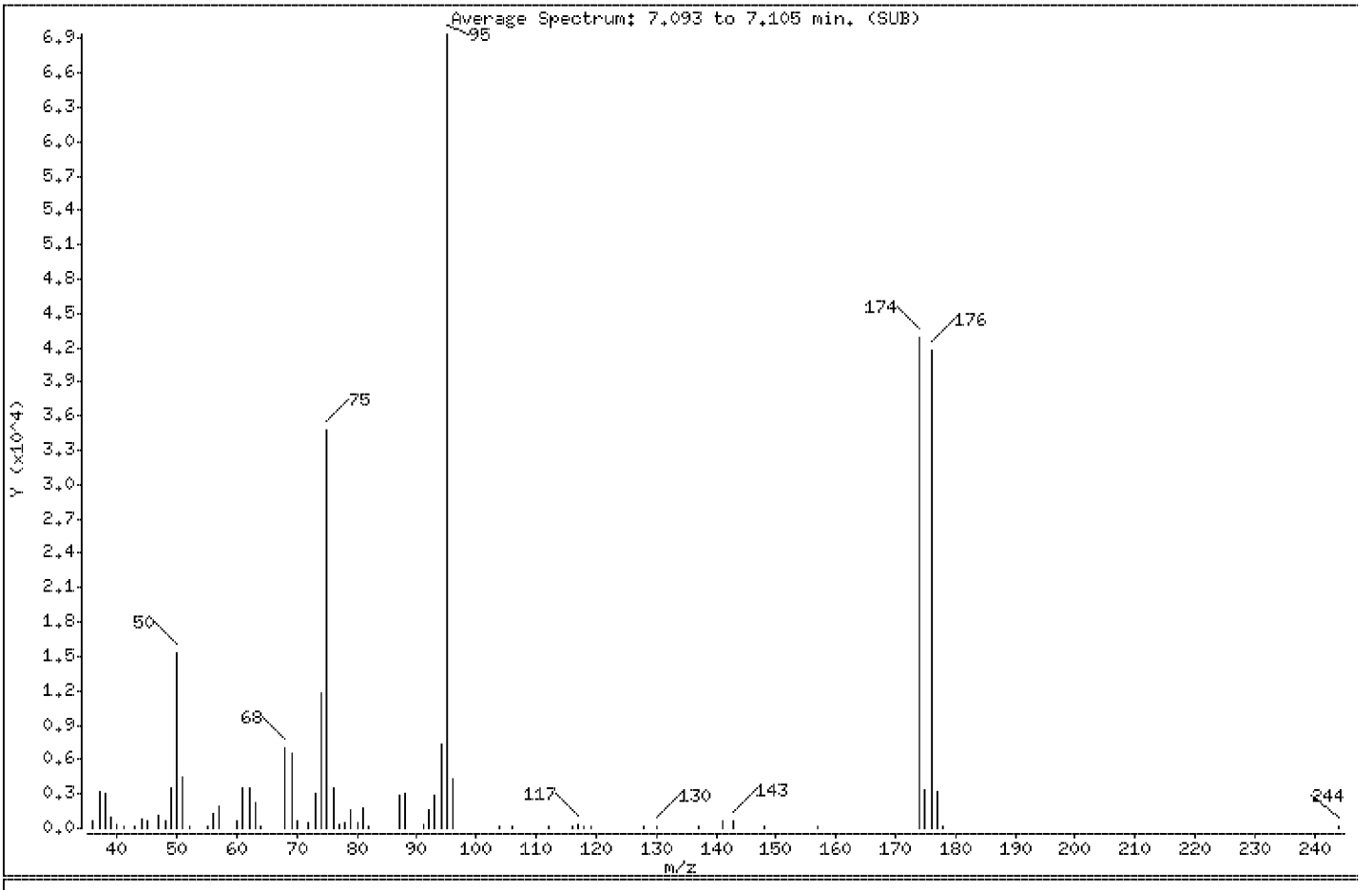
Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.06
75	30.00 - 60.00% of mass 95	50.21
96	5.00 - 9.00% of mass 95	6.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.94
175	5.00 - 9.00% of mass 174	4.88 (7.88)
176	95.00 - 101.00% of mass 174	60.34 (97.41)
177	5.00 - 9.00% of mass 176	4.49 (7.45)

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\BFB31.D

Date : 25-MAR-2008 05:44

Client ID: 032508BFBA31 Instrument: vms03.i

Sample Info: 032508BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: BFB31.D
Spectrum: Average Spectrum: 7.093 to 7.105 min. (SUB)
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	699	57.00	1973	80.00	492	119.00	238
37.00	3116	60.00	700	81.00	1693	128.00	116
38.00	3003	61.00	3554	82.00	146	130.00	191
39.00	969	62.00	3554	87.00	2939	137.00	95
40.00	373	63.00	2268	88.00	2959	141.00	637
41.00	219	64.00	104	91.00	267	143.00	642
43.00	129	68.00	6953	92.00	1643	148.00	94
44.00	757	69.00	6610	93.00	2869	157.00	104
45.00	630	70.00	580	94.00	7299	174.00	42968
47.00	1043	72.00	544	95.00	69368	175.00	3387
48.00	565	73.00	3037	96.00	4281	176.00	41856
49.00	3541	74.00	11815	104.00	86	177.00	3118
50.00	15300	75.00	34832	106.00	188	178.00	143
51.00	4428	76.00	3444	112.00	89	244.00	87
52.00	193	77.00	364	116.00	102		
55.00	208	78.00	459	117.00	293		
56.00	1253	79.00	1622	118.00	213		

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\80PPB.D
Lab Smp Id: 80PPBCAL Client Smp ID: 80PPBCAL
Inj Date : 25-MAR-2008 07:23
Operator : Inst ID: vms03.i
Smp Info : 80PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 5 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				1428433	160.000	(a)
M 2 Xylenes (Total)	100				4038603	240.000	(a)
M 3 Trihalomethanes (Total)	100				2522239	80.0000	(a)
4 Dichlorodifluoromethane	85	1.386	1.389	(0.191)	518206	80.0000	75.6
5 Chloromethane	50	1.572	1.573	(0.216)	541843	80.0000	75.8
6 Vinyl Chloride	62	1.670	1.676	(0.230)	342416	80.0000	74.6
7 Bromomethane	96	2.069	2.075	(0.285)	265552	80.0000	78.3(q)
8 Chloroethane	64	2.154	2.160	(0.296)	323200	80.0000	77.2
9 Trichlorofluoromethane	101	2.404	2.403	(0.331)	752462	80.0000	80.3(A)
113 Bromoethane	108	3.417	3.420	(0.470)	397631	80.0000	79.4
10 Acrolein	56	2.860	2.873	(0.393)	166931	160.000	158
11 1,1,2 Trichlorotrifluoromethan	101	2.895	2.897	(0.398)	448596	80.0000	79.3
12 Acetone	43	2.942	2.945	(0.405)	240795	160.000	147
13 1,1-Dichloroethene	61	3.093	3.097	(0.426)	832250	80.0000	80.8(A)
109 t-Butyl-Alcohol	59	3.219	3.230	(0.443)	360809	800.000	714
14 Acetonitrile	41	3.281	3.291	(0.451)	579138	800.000	764
15 Iodomethane	142	3.493	3.496	(0.480)	748250	80.0000	79.3
16 Methyl Acetate	43	3.557	3.571	(0.489)	464974	80.0000	76.1
17 Allyl Chloride	41	3.577	3.582	(0.492)	836734	80.0000	80.1(A)
18 Carbon Disulfide	76	3.723	3.724	(0.512)	1427140	80.0000	80.0(A)
19 Methylene Chloride	49	3.780	3.778	(0.520)	839797	80.0000	79.8
20 Acrylonitrile	53	3.966	3.981	(0.546)	428775	160.000	157
21 Methyl-tert-butyl ether	73	4.010	4.020	(0.552)	1361160	80.0000	76.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.202	4.208	(0.578)	852463	80.0000	83.3(A)
	23 1,1-Dichloroethane	63	4.875	4.880	(0.671)	999293	80.0000	81.2(A)
	24 Vinyl Acetate	43	4.934	4.944	(0.679)	816975	80.0000	79.5
	25 Chloroprene	53	5.008	5.012	(0.689)	841263	80.0000	80.8(A)
	26 2-Butanone	43	5.547	5.564	(0.763)	415340	160.000	158
	27 Propionitrile	54	5.648	5.662	(0.777)	751956	800.000	786
	114 tert-Butyl ethyl ether	59	5.381	5.389	(0.740)	1804006	80.0000	78.6
	28 2,2-Dichloropropane	77	5.696	5.699	(0.783)	399944	80.0000	79.9
	29 cis-1,2-Dichloroethene	96	5.761	5.765	(0.792)	575970	80.0000	80.9(A)
	30 Methyacrylonitrile	67	5.914	5.922	(0.814)	2032956	800.000	810(A)
	31 Isobutyl Alcohol	43	5.981	5.995	(0.823)	326833	1600.00	1520(TQ)
	32 Chloroform	83	5.977	5.979	(0.822)	982452	80.0000	82.7(A)
	33 Bromochloromethane	49	6.180	6.184	(0.850)	529316	80.0000	81.0(A)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	458615	80.0000	78.1
	35 1,1,1-Trichloroethane	97	6.484	6.487	(0.892)	651680	80.0000	80.1(A)
	36 Cyclohexane	56	6.486	6.489	(0.892)	959035	80.0000	78.3
	37 1,1-Dichloropropene	75	6.684	6.685	(0.919)	731405	80.0000	81.1(A)
	38 Carbon tetrachloride	117	6.789	6.789	(0.934)	639387	80.0000	83.5(A)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.889	6.891	(0.948)	108889	80.0000	77.8(q)
	40 1,2-Dichloroethane	62	7.001	7.006	(0.963)	734024	80.0000	81.5(A)
	41 Benzene	78	7.001	7.001	(0.963)	2175371	80.0000	81.1(A)
	115 tert-Amyl-methyl ether	73	6.863	6.869	(0.944)	1389809	80.0000	78.3
*	42 FLUOROBENZENE (IS)	96	7.270	7.272	(1.000)	1162615	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	504955	80.0000	81.7(A)
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	740642	80.0000	82.3(A)
	45 1,2-Dichloropropane	63	7.925	7.927	(1.090)	616772	80.0000	81.8(A)
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	349867	80.0000	81.4(A)
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	735776	80.0000	81.0(A)
	48 1,4 Dioxane	88	8.227	8.238	(1.132)	71939	1600.00	1280(Q)
	49 Dibromomethane	93	8.229	8.232	(1.132)	319191	80.0000	81.1(A)
	50 4-Methyl-2-Pentanone	43	8.577	8.583	(0.660)	939081	160.000	160(A)
	51 2-Hexanone	43	9.490	9.499	(0.897)	680377	160.000	156
	52 cis 1,3-Dichloropropene	75	8.779	8.781	(1.208)	770016	80.0000	81.8(A)
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1844596	80.0000	79.6
	54 Toluene	92	9.106	9.107	(1.252)	1366732	80.0000	81.5(A)
	55 trans 1,3-Dichloropropene	75	9.311	9.313	(1.281)	677948	80.0000	82.9(A)
	56 Ethyl Methacrylate	69	9.317	9.321	(1.281)	676383	80.0000	81.9
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	459665	80.0000	81.7(A)
	58 1,3-Dichloropropane	76	9.728	9.729	(0.920)	805524	80.0000	78.8
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	372895	80.0000	79.9
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	506662	80.0000	82.2(A)
	61 1,2-Dibromoethane	107	10.190	10.192	(0.963)	467548	80.0000	81.6(A)
	62 1-Chlorohexane	91	10.370	10.373	(0.980)	723452	80.0000	82.5(A)
*	63 CHLOROBENZENE d5 (IS)	117	10.579	10.580	(1.000)	821601	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	1402717	80.0000	81.0(A)
	65 1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	464719	80.0000	81.9(Aq)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	798421	80.0000	81.3(A)
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1954931	160.000	160
	68 o-Xylene	91	11.190	11.190	(1.058)	2083672	80.0000	80.5(A)
	69 Styrene	104	11.229	11.230	(1.061)	1776104	80.0000	80.7(A)
	70 Bromoform	173	11.566	11.569	(1.093)	297349	80.0000	83.5(A)
	71 1-Methylethylbenzene	105	11.555	11.555	(0.889)	2497043	80.0000	82.6(A)
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	225221	160.000	162(A)
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	598382	80.0000	79.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	755140	80.0000	79.1
	75 1,2,3- trichloropropane	110	11.880	11.879	(0.914)	178982	80.0000	78.6
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	3076281	80.0000	82.3(A)
	77 Bromobenzene	77	11.998	11.998	(0.923)	1128694	80.0000	81.3(A)
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	2207470	80.0000	81.8(A)
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	2188689	80.0000	82.6(A)
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	2049843	80.0000	80.4(A)
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1965379	80.0000	81.5(A)
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	2338288	80.0000	81.9(A)
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	2633401	80.0000	83.1(A)
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	2222019	80.0000	82.3(A)
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	1204223	80.0000	81.6(A)
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.997	12.999	(1.000)	455681	50.0000	(q)
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	1224429	80.0000	81.4(A)
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	911723	80.0000	90.0
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	2045819	80.0000	82.1(A)
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	1177048	80.0000	82.5(A)
	91 1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	105832	80.0000	83.7(A)
	92 1,2,4-Trichlorobenzene	180	14.852	14.853	(1.143)	714294	80.0000	82.5(A)
	93 Hexachlorobutadiene	223	14.950	14.950	(1.150)	160209	80.0000	81.4(A)
	94 Naphthalene	128	15.031	15.032	(1.156)	1720400	80.0000	80.7(A)
	95 1,2,3-trichlorobenzene	180	15.195	15.196	(1.169)	620343	80.0000	80.2(A)
	103 Isopropyl Ether	45	4.765	4.771	(0.655)	1972912	80.0000	79.3
	104 Ethyl acetate	43	5.812	5.824	(0.799)	871203	160.000	170(A)
	105 Cyclohexanone	55	11.614	11.616	(1.098)	380449	800.000	705
	106 Ethyl ether	59	2.709	2.719	(0.373)	451213	80.0000	81.9(Aq)
	107 2-Nitropropane	43	8.279	8.279	(1.139)	256784	160.000	168(A)
	108 Tetrahydrofuran	42	6.242	6.264	(0.859)	262219	160.000	148

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 80PPB.D
Lab Smp Id: 80PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 80PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1162615	-0.30
63 CHLOROBENZENE d5	822247	411124	1644494	821601	-0.08
86 1,4-DICHLOROBENZE	457500	228750	915000	455681	-0.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	-0.01
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.00
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\80PPB.D

Page 5

Date : 25-MAR-2008 07:23

Client ID: 80PPBCAL

Instrument: vms03.i

Sample Info: 80PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

AO-402

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\60PPB.D
Lab Smp Id: 60PPBCAL Client Smp ID: 60PPBCAL
Inj Date : 25-MAR-2008 07:47
Operator : Inst ID: vms03.i
Smp Info : 60PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 6 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1	1,2-Dichloroethene (Total)	100				1051435	120.000	(a)
M 2	Xylenes (Total)	100				3042707	180.000	(a)
M 3	Trihalomethanes (Total)	100				1865170	60.0000	(a)
4	Dichlorodifluoromethane	85	1.386	1.389	(0.191)	423831	60.0000	63.5
5	Chloromethane	50	1.573	1.573	(0.216)	430056	60.0000	60.1
6	Vinyl Chloride	62	1.670	1.676	(0.230)	272541	60.0000	58.6
7	Bromomethane	96	2.070	2.075	(0.285)	203428	60.0000	59.8(q)
8	Chloroethane	64	2.156	2.160	(0.297)	256733	60.0000	62.5
9	Trichlorofluoromethane	101	2.405	2.403	(0.331)	577211	60.0000	63.0
113	Bromoethane	108	3.419	3.420	(0.470)	309260	60.0000	63.4
10	Acrolein	56	2.861	2.873	(0.394)	128163	120.000	122
11	1,1,2 Trichlorotrifluoromethan	101	2.897	2.897	(0.398)	351612	60.0000	64.3
12	Acetone	43	2.942	2.945	(0.405)	199762	120.000	124
13	1,1-Dichloroethene	61	3.095	3.097	(0.426)	630439	60.0000	62.1
109	t-Butyl-Alcohol	59	3.218	3.230	(0.443)	302768	600.000	596(q)
14	Acetonitrile	41	3.282	3.291	(0.451)	455249	600.000	598
15	Iodomethane	142	3.495	3.496	(0.481)	585070	60.0000	63.8
16	Methyl Acetate	43	3.557	3.571	(0.489)	361911	60.0000	58.3
17	Allyl Chloride	41	3.577	3.582	(0.492)	637281	60.0000	61.8
18	Carbon Disulfide	76	3.724	3.724	(0.512)	1102753	60.0000	63.6
19	Methylene Chloride	49	3.782	3.778	(0.520)	639210	60.0000	61.2
20	Acrylonitrile	53	3.967	3.981	(0.546)	326861	120.000	119
21	Methyl-tert-butyl ether	73	4.012	4.020	(0.552)	1095496	60.0000	62.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.203	4.208	(0.578)	621935	60.0000	61.3
	23 1,1-Dichloroethane	63	4.876	4.880	(0.671)	749908	60.0000	61.6
	24 Vinyl Acetate	43	4.935	4.944	(0.679)	640555	60.0000	64.6
	25 Chloroprene	53	5.008	5.012	(0.689)	639627	60.0000	62.7
	26 2-Butanone	43	5.547	5.564	(0.763)	313788	120.000	119
	27 Propionitrile	54	5.649	5.662	(0.777)	576778	600.000	603
	114 tert-Butyl ethyl ether	59	5.382	5.389	(0.740)	1394431	60.0000	61.3
	28 2,2-Dichloropropane	77	5.696	5.699	(0.783)	304500	60.0000	61.5
	29 cis-1,2-Dichloroethene	96	5.762	5.765	(0.792)	429500	60.0000	60.4
	30 Methyacrylonitrile	67	5.913	5.922	(0.813)	1498731	600.000	592
	31 Isobutyl Alcohol	43	5.982	5.995	(0.823)	246302	1200.00	1100(TQ)
	32 Chloroform	83	5.977	5.979	(0.822)	721458	60.0000	61.2
	33 Bromochloromethane	49	6.181	6.184	(0.850)	391829	60.0000	59.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	358929	60.0000	62.0
	35 1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	495858	60.0000	61.7
	36 Cyclohexane	56	6.487	6.489	(0.892)	749241	60.0000	62.2
	37 1,1-Dichloropropene	75	6.684	6.685	(0.919)	547222	60.0000	61.2
	38 Carbon tetrachloride	117	6.790	6.789	(0.934)	469897	60.0000	62.6
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	86369	60.0000	63.2(q)
	40 1,2-Dichloroethane	62	7.002	7.006	(0.963)	549403	60.0000	61.7
	41 Benzene	78	7.000	7.001	(0.963)	1621162	60.0000	60.7
	115 tert-Amyl-methyl ether	73	6.863	6.869	(0.944)	1073583	60.0000	60.7
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1164893	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	379644	60.0000	62.6
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	551319	60.0000	62.3
	45 1,2-Dichloropropane	63	7.925	7.927	(1.090)	453594	60.0000	60.0
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	260074	60.0000	60.8
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	553079	60.0000	61.5
	48 1,4 Dioxane	88	8.227	8.238	(1.132)	66104	1200.00	1150(q)
	49 Dibromomethane	93	8.231	8.232	(1.132)	238691	60.0000	61.1
	50 4-Methyl-2-Pentanone	43	8.578	8.583	(0.660)	708643	120.000	116
	51 2-Hexanone	43	9.491	9.499	(0.897)	524589	120.000	120
	52 cis 1,3-Dichloropropene	75	8.779	8.781	(1.207)	570072	60.0000	60.9
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1405420	60.0000	61.0
	54 Toluene	92	9.106	9.107	(1.252)	1017857	60.0000	61.2
	55 trans 1,3-Dichloropropene	75	9.311	9.313	(1.281)	494342	60.0000	60.6
	56 Ethyl Methacrylate	69	9.318	9.321	(1.282)	498401	60.0000	60.5
	57 1,1,2-Trichloroethane	97	9.467	9.467	(1.302)	339306	60.0000	60.4
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	616398	60.0000	60.4
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	283822	60.0000	61.5
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	373590	60.0000	61.0
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	341446	60.0000	59.1
	62 1-Chlorohexane	91	10.370	10.373	(0.980)	536164	60.0000	62.1
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	822841	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	1044979	60.0000	60.5
	65 1,1,1,2-Tetrachloroethane	131	10.665	10.667	(1.008)	344266	60.0000	61.1(q)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	591675	60.0000	60.4
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1480373	120.000	122
	68 o-Xylene	91	11.193	11.190	(1.058)	1562334	60.0000	60.6
	69 Styrene	104	11.230	11.230	(1.061)	1333903	60.0000	61.0
	70 Bromoform	173	11.566	11.569	(1.093)	217043	60.0000	61.7
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	1852480	60.0000	59.8
	72 1,4-Dichloro-2-Butene	53	11.610	11.609	(0.893)	170233	120.000	119
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	457068	60.0000	58.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	589310	60.0000	60.7
	75 1,2,3- trichloropropane	110	11.878	11.879	(0.914)	138287	60.0000	58.7
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	2293591	60.0000	60.0
	77 Bromobenzene	77	11.998	11.998	(0.923)	851058	60.0000	59.8
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	1672264	60.0000	61.2
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	1618113	60.0000	59.3
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	1564648	60.0000	60.0
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1488443	60.0000	60.7
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	1746448	60.0000	59.6
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	1972370	60.0000	61.6
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	1668130	60.0000	60.8
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	900844	60.0000	59.4
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	466222	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	922590	60.0000	59.9
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	641032	60.0000	63.9
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	1540228	60.0000	60.8
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	881275	60.0000	60.7
	91 1,2-dibromo-3-chloropropane	75	14.174	14.173	(1.090)	78516	60.0000	61.4
	92 1,2,4-Trichlorobenzene	180	14.857	14.853	(1.143)	524827	60.0000	58.6
	93 Hexachlorobutadiene	223	14.956	14.950	(1.151)	121792	60.0000	60.9
	94 Naphthalene	128	15.038	15.032	(1.157)	1297628	60.0000	59.0
	95 1,2,3-trichlorobenzene	180	15.204	15.196	(1.170)	470076	60.0000	58.7
	103 Isopropyl Ether	45	4.766	4.771	(0.656)	1495543	60.0000	60.0
	104 Ethyl acetate	43	5.812	5.824	(0.799)	598507	120.000	113(q)
	105 Cyclohexanone	55	11.615	11.616	(1.098)	345430	600.000	684
	106 Ethyl ether	59	2.710	2.719	(0.373)	334868	60.0000	61.4(q)
	107 2-Nitropropane	43	8.279	8.279	(1.139)	184622	120.000	121
	108 Tetrahydrofuran	42	6.245	6.264	(0.859)	220978	120.000	130

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 60PPB.D
Lab Smp Id: 60PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 60PPBCAL
Level: LOW
Sample Type: WATER

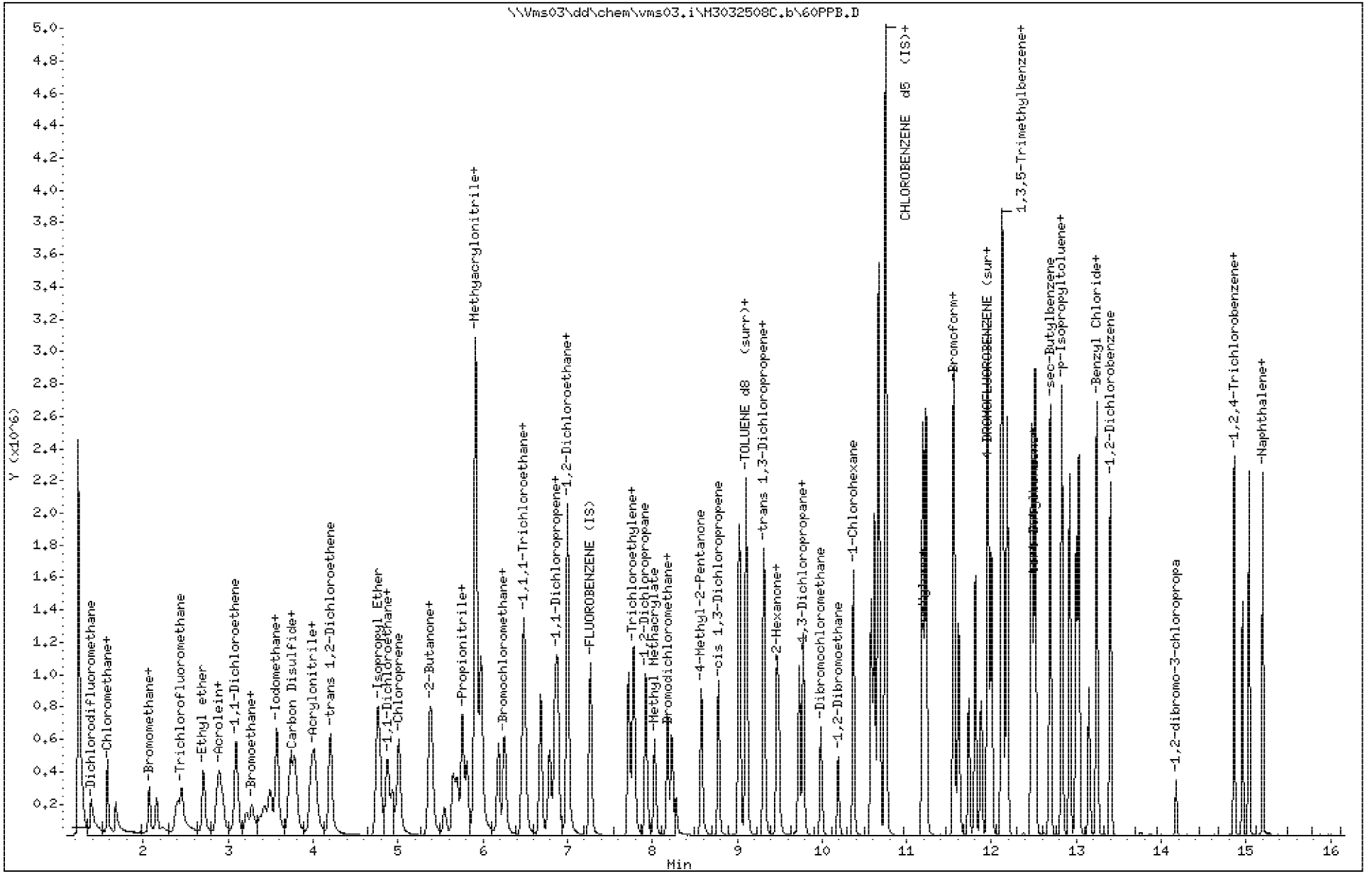
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1164893	-0.11
63 CHLOROBENZENE d5	822247	411124	1644494	822841	0.07
86 1,4-DICHLOROBENZE	457500	228750	915000	466222	1.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	-0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.00
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\60PPB.D
Date : 25-MAR-2008 07:47
Client ID: 60PPBCAL
Sample Info: 60PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18



AO-407

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\50PPB.D
Lab Smp Id: 50PPBCAL Client Smp ID: 50PPBCAL
Inj Date : 25-MAR-2008 08:11
Operator : Inst ID: vms03.i
Smp Info : 50PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
M 1 1,2-Dichloroethene (Total)	100				863586	100.000		(a)
M 2 Xylenes (Total)	100				2503170	150.000		(a)
M 3 Trihalomethanes (Total)	100				1521376	50.0000		(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	334084	50.0000		(aQ)
5 Chloromethane	50	1.573	1.573	(0.216)	358152	50.0000		(aQ)
6 Vinyl Chloride	62	1.671	1.676	(0.230)	232673	50.0000		(aQ)
7 Bromomethane	96	2.071	2.075	(0.285)	170285	50.0000		(aQ)
8 Chloroethane	64	2.157	2.160	(0.297)	205501	50.0000		(aQ)
9 Trichlorofluoromethane	101	2.405	2.403	(0.331)	458237	50.0000		(aQ)
113 Bromoethane	108	3.421	3.420	(0.470)	243989	50.0000		(aQ)
10 Acrolein	56	2.863	2.873	(0.394)	104944	100.000		(Q)
11 1,1,2 Trichlorotrifluoromethan	101	2.898	2.897	(0.399)	273856	50.0000		(aQ)
12 Acetone	43	2.943	2.945	(0.405)	161507	100.000		(aQ)
13 1,1-Dichloroethene	61	3.095	3.097	(0.426)	507820	50.0000		(aQ)
109 t-Butyl-Alcohol	59	3.221	3.230	(0.443)	254406	500.000		(Q)
14 Acetonitrile	41	3.284	3.291	(0.452)	380733	500.000		(aQ)
15 Iodomethane	142	3.495	3.496	(0.481)	458696	50.0000		(TaQ)
16 Methyl Acetate	43	3.559	3.571	(0.490)	310928	50.0000		(aQ)
17 Allyl Chloride	41	3.579	3.582	(0.492)	516125	50.0000		(aQ)
18 Carbon Disulfide	76	3.724	3.724	(0.512)	868397	50.0000		(aQ)
19 Methylene Chloride	49	3.783	3.778	(0.520)	522287	50.0000		(aQ)
20 Acrylonitrile	53	3.969	3.981	(0.546)	275488	100.000		(aQ)
21 Methyl-tert-butyl ether	73	4.013	4.020	(0.552)	877237	50.0000		(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
	22 trans 1,2-Dichloroethene	61	4.204	4.208	(0.578)	507889	50.0000		(aQ)
	23 1,1-Dichloroethane	63	4.877	4.880	(0.671)	609410	50.0000		(aQ)
	24 Vinyl Acetate	43	4.934	4.944	(0.679)	496321	50.0000		(aQ)
	25 Chloroprene	53	5.009	5.012	(0.689)	510231	50.0000		(aQ)
	26 2-Butanone	43	5.550	5.564	(0.763)	264013	100.000		(aQ)
	27 Propionitrile	54	5.650	5.662	(0.777)	478976	500.000		(aQ)
	114 tert-Butyl ethyl ether	59	5.384	5.389	(0.740)	1137731	50.0000		(aQ)
	28 2,2-Dichloropropane	77	5.696	5.699	(0.783)	247880	50.0000		(aQ)
	29 cis-1,2-Dichloroethene	96	5.762	5.765	(0.793)	355697	50.0000		(aQ)
	30 Methyacrylonitrile	67	5.915	5.922	(0.814)	1267271	500.000		(aQ)
	31 Isobutyl Alcohol	43	5.983	5.995	(0.823)	224608	1000.00		(TaQ)
	32 Chloroform	83	5.977	5.979	(0.822)	589909	50.0000		(aQ)
	33 Bromochloromethane	49	6.182	6.184	(0.850)	328140	50.0000		(Q)
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.263	6.264	(0.861)	289519	50.0000		(aQ)
	35 1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	402166	50.0000		(aQ)
	36 Cyclohexane	56	6.487	6.489	(0.892)	603100	50.0000		(aQ)
	37 1,1-Dichloropropene	75	6.685	6.685	(0.919)	447603	50.0000		(aQ)
	38 Carbon tetrachloride	117	6.791	6.789	(0.934)	375829	50.0000		(aQ)
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.890	6.891	(0.948)	68349	50.0000		(aQ)
	40 1,2-Dichloroethane	62	7.002	7.006	(0.963)	445426	50.0000		(aQ)
	41 Benzene	78	7.001	7.001	(0.963)	1337269	50.0000		(aQ)
	115 tert-Amyl-methyl ether	73	6.864	6.869	(0.944)	884840	50.0000		(aQ)
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1166142	50.0000		(Q)
	43 Trichloroethylene	130	7.722	7.722	(1.062)	303429	50.0000		(aQ)
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	442926	50.0000		(aQ)
	45 1,2-Dichloropropane	63	7.926	7.927	(1.090)	378326	50.0000		(aQ)
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	214240	50.0000		(aQ)
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	449909	50.0000		(aQ)
	48 1,4 Dioxane	88	8.228	8.238	(1.132)	57370	1000.00		(aQ)
	49 Dibromomethane	93	8.230	8.232	(1.132)	195633	50.0000		(aQ)
	50 4-Methyl-2-Pentanone	43	8.578	8.583	(0.660)	596607	100.000		(aQ)
	51 2-Hexanone	43	9.491	9.499	(0.897)	436193	100.000		(aQ)
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.208)	468714	50.0000		(aQ)
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1152460	50.0000		(aQ)
	54 Toluene	92	9.106	9.107	(1.252)	832381	50.0000		(aQ)
	55 trans 1,3-Dichloropropene	75	9.311	9.313	(1.281)	408157	50.0000		(aQ)
	56 Ethyl Methacrylate	69	9.317	9.321	(1.281)	412103	50.0000		(aQ)
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	281359	50.0000		(aQ)
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	509428	50.0000		(aQ)
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	230494	50.0000		(aQ)
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	305841	50.0000		(aQ)
	61 1,2-Dibromoethane	107	10.190	10.192	(0.963)	288750	50.0000		(aQ)
	62 1-Chlorohexane	91	10.371	10.373	(0.980)	431348	50.0000		(aQ)
*	63 CHLOROBENZENE d5 (IS)	117	10.579	10.580	(1.000)	822247	50.0000		(Q)
	64 Chlorobenzene	112	10.618	10.620	(1.004)	863362	50.0000		(aQ)
	65 1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	281377	50.0000		(aQ)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	489713	50.0000		(aQ)
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1214262	100.000		(aQ)
	68 o-Xylene	91	11.193	11.190	(1.058)	1288908	50.0000		(aQ)
	69 Styrene	104	11.229	11.230	(1.061)	1092881	50.0000		(aQ)
	70 Bromoform	173	11.566	11.569	(1.093)	175717	50.0000		(aQ)
	71 1-Methylethylbenzene	105	11.555	11.555	(0.889)	1520783	50.0000		(aQ)
	72 1,4-Dichloro-2-Butene	53	11.608	11.609	(0.893)	139888	100.000		(aQ)
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	380536	50.0000		(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.806	11.808	(0.908)	476256	50.0000		(aQ)
	75 1,2,3- trichloropropane	110	11.878	11.879	(0.914)	115567	50.0000		(aQ)
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	1875706	50.0000		(aQ)
	77 Bromobenzene	77	11.998	11.998	(0.923)	698198	50.0000		(aQ)
	78 1,3,5-Trimethylbenzene	105	12.118	12.121	(0.932)	1341665	50.0000		(aQ)
	79 2-Chlorotoluene	91	12.134	12.136	(0.934)	1337715	50.0000		(aQ)
	80 4-Chlorotoluene	91	12.182	12.183	(0.937)	1280273	50.0000		(aQ)
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1203228	50.0000		(aQ)
	82 1,2,4-trimethylbenzene	105	12.513	12.514	(0.963)	1437952	50.0000		(aQ)
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	1569707	50.0000		(aQ)
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	1344962	50.0000		(aQ)
	85 1,3-Dichlorobenzene	146	12.921	12.923	(0.994)	743943	50.0000		(aQ)
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	457500	50.0000		(Q)
	87 1,4-Dichlorobenzene	146	13.029	13.032	(1.002)	756048	50.0000		(aQ)
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	492398	50.0000		(aQ)
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	1242403	50.0000		(aQ)
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	712303	50.0000		(aQ)
	91 1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	62789	50.0000		(aQ)
	92 1,2,4-Trichlorobenzene	180	14.854	14.853	(1.143)	439773	50.0000		(aQ)
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	98108	50.0000		(aQ)
	94 Naphthalene	128	15.032	15.032	(1.157)	1080004	50.0000		(aQ)
	95 1,2,3-trichlorobenzene	180	15.197	15.196	(1.169)	392622	50.0000		(aQ)
	103 Isopropyl Ether	45	4.767	4.771	(0.656)	1246818	50.0000		(Q)
	104 Ethyl acetate	43	5.813	5.824	(0.799)	531167	100.000		(Q)
	105 Cyclohexanone	55	11.615	11.616	(1.098)	252261	500.000		(aQ)
	106 Ethyl ether	59	2.711	2.719	(0.373)	273201	50.0000		(aQ)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	153005	100.000		(aQ)
	108 Tetrahydrofuran	42	6.247	6.264	(0.859)	170104	100.000		(aQ)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 50PPB.D
Lab Smp Id: 50PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 50PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1166142	0.00
63 CHLOROBENZENE d5	822247	411124	1644494	822247	0.00
86 1,4-DICHLOROBENZE	457500	228750	915000	457500	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.00
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\50PPB.D
Date : 25-MAR-2008 08:11
Client ID: 50PPBCAL
Instrument: vms03.i
Sample Info: 50PPBCAL
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18

AO-412

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\20PPB.D
Lab Smp Id: 20PPBCAL Client Smp ID: 20PPBCAL
Inj Date : 25-MAR-2008 08:35
Operator : Inst ID: vms03.i
Smp Info : 20PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 07:23 Cal File: 80PPB.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
M 1	1,2-Dichloroethene (Total)	100				337356	40.0000		(a)
M 2	Xylenes (Total)	100				995727	60.0000		(a)
M 3	Trihalomethanes (Total)	100				604616	20.0000		(a)
4	Dichlorodifluoromethane	85	1.387	1.389	(0.191)	124066	20.0000	18.3	
5	Chloromethane	50	1.574	1.573	(0.216)	142822	20.0000	20.2	
6	Vinyl Chloride	62	1.672	1.676	(0.230)	100073	20.0000	22.2	
7	Bromomethane	96	2.074	2.075	(0.285)	61654	20.0000	18.2	(q)
8	Chloroethane	64	2.158	2.160	(0.297)	78959	20.0000	19.0	
9	Trichlorofluoromethane	101	2.405	2.403	(0.331)	173809	20.0000	18.4	
113	Bromoethane	108	3.419	3.420	(0.470)	92907	20.0000	18.5	
10	Acrolein	56	2.864	2.873	(0.394)	42364	40.0000	40.0	
11	1,1,2 Trichlorotrifluoromethan	101	2.899	2.897	(0.399)	103608	20.0000	18.2	
12	Acetone	43	2.943	2.945	(0.405)	68066	40.0000	42.4	
13	1,1-Dichloroethene	61	3.096	3.097	(0.426)	201059	20.0000	19.3	
109	t-Butyl-Alcohol	59	3.217	3.230	(0.443)	110166	200.000	224	(T)
14	Acetonitrile	41	3.284	3.291	(0.452)	161000	200.000	214	
15	Iodomethane	142	3.497	3.496	(0.481)	184547	20.0000	19.5	
16	Methyl Acetate	43	3.559	3.571	(0.490)	125149	20.0000	20.7	
17	Allyl Chloride	41	3.580	3.582	(0.492)	201233	20.0000	19.1	
18	Carbon Disulfide	76	3.726	3.724	(0.512)	339519	20.0000	18.9	
19	Methylene Chloride	49	3.784	3.778	(0.520)	211804	20.0000	20.0	
20	Acrylonitrile	53	3.970	3.981	(0.546)	106886	40.0000	39.1	
21	Methyl-tert-butyl ether	73	4.012	4.020	(0.552)	344864	20.0000	19.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.205	4.208	(0.578)	196149	20.0000	18.8
	23 1,1-Dichloroethane	63	4.878	4.880	(0.671)	244272	20.0000	19.6
	24 Vinyl Acetate	43	4.935	4.944	(0.679)	197418	20.0000	19.1
	25 Chloroprene	53	5.009	5.012	(0.689)	198434	20.0000	18.9
	26 2-Butanone	43	5.551	5.564	(0.763)	107501	40.0000	40.8
	27 Propionitrile	54	5.651	5.662	(0.777)	202382	200.000	211
	114 tert-Butyl ethyl ether	59	5.384	5.389	(0.740)	431544	20.0000	18.8
	28 2,2-Dichloropropane	77	5.699	5.699	(0.784)	93725	20.0000	18.6
	29 cis-1,2-Dichloroethene	96	5.763	5.765	(0.793)	141207	20.0000	19.6
	30 Methyacrylonitrile	67	5.913	5.922	(0.813)	505852	200.000	199
	31 Isobutyl Alcohol	43	5.983	5.995	(0.823)	104018	400.000	489(TQ)
	32 Chloroform	83	5.977	5.979	(0.822)	241542	20.0000	20.0
	33 Bromochloromethane	49	6.182	6.184	(0.850)	130809	20.0000	19.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.263	6.264	(0.861)	118779	20.0000	20.2
	35 1,1,1-Trichloroethane	97	6.486	6.487	(0.892)	160271	20.0000	19.6
	36 Cyclohexane	56	6.488	6.489	(0.892)	233001	20.0000	19.0
	37 1,1-Dichloropropene	75	6.686	6.685	(0.919)	177659	20.0000	19.5
	38 Carbon tetrachloride	117	6.791	6.789	(0.934)	143080	20.0000	18.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	29185	20.0000	20.9(q)
	40 1,2-Dichloroethane	62	7.003	7.006	(0.963)	179441	20.0000	19.6
	41 Benzene	78	7.003	7.001	(0.963)	526491	20.0000	19.4
	115 tert-Amyl-methyl ether	73	6.866	6.869	(0.944)	341424	20.0000	19.2
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1170843	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	123905	20.0000	19.8
	44 Methyl Cyclohexane	55	7.779	7.781	(1.070)	172671	20.0000	18.9
	45 1,2-Dichloropropane	63	7.926	7.927	(1.090)	152222	20.0000	19.9
	46 Methyl Methacrylate	69	8.029	8.036	(1.104)	85111	20.0000	19.5
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	172429	20.0000	18.8
	48 1,4 Dioxane	88	8.230	8.238	(1.132)	25663	400.000	486(Q)
	49 Dibromomethane	93	8.229	8.232	(1.132)	77953	20.0000	19.6
	50 4-Methyl-2-Pentanone	43	8.579	8.583	(0.660)	242519	40.0000	41.3
	51 2-Hexanone	43	9.493	9.499	(0.897)	177924	40.0000	41.2
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	181113	20.0000	19.0
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	479203	20.0000	20.6
	54 Toluene	92	9.107	9.107	(1.252)	334378	20.0000	19.7
	55 trans 1,3-Dichloropropene	75	9.312	9.313	(1.281)	152744	20.0000	18.3
	56 Ethyl Methacrylate	69	9.318	9.321	(1.282)	164985	20.0000	19.7
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	115757	20.0000	20.3
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	201826	20.0000	19.8
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	91432	20.0000	19.6
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	122086	20.0000	19.6
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	116156	20.0000	20.2
	62 1-Chlorohexane	91	10.371	10.373	(0.980)	169270	20.0000	19.1
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	821156	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	350765	20.0000	20.2
	65 1,1,1,2-Tetrachloroethane	131	10.665	10.667	(1.008)	109858	20.0000	19.2
	66 Ethylbenzene	106	10.675	10.672	(1.009)	193612	20.0000	19.6
	67 p,m-Xylene	106	10.753	10.753	(1.016)	487649	40.0000	39.9
	68 o-Xylene	91	11.195	11.190	(1.058)	508078	20.0000	19.6
	69 Styrene	104	11.229	11.230	(1.061)	436955	20.0000	19.8
	70 Bromoform	173	11.564	11.569	(1.093)	68559	20.0000	19.0
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	594311	20.0000	19.4
	72 1,4-Dichloro-2-Butene	53	11.608	11.609	(0.893)	53181	40.0000	38.1
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	155828	20.0000	20.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.808	11.808	(0.908)	198242	20.0000	20.8
	75 1,2,3- trichloropropane	110	11.880	11.879	(0.914)	47135	20.0000	20.8
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	741872	20.0000	19.6
	77 Bromobenzene	77	11.997	11.998	(0.923)	274847	20.0000	19.7
	78 1,3,5-Trimethylbenzene	105	12.118	12.121	(0.932)	544224	20.0000	20.0
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	544608	20.0000	20.3
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	511808	20.0000	20.0
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	477682	20.0000	19.7
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	561069	20.0000	19.5
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	634692	20.0000	19.8
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	526390	20.0000	19.3
	85 1,3-Dichlorobenzene	146	12.921	12.923	(0.994)	303844	20.0000	20.4
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	456012	50.0000	
	87 1,4-Dichlorobenzene	146	13.029	13.032	(1.002)	307874	20.0000	20.3
	88 Benzyl Chloride	91	13.148	13.150	(1.012)	163937	20.0000	15.5
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	480252	20.0000	19.1
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	291742	20.0000	20.2
	91 1,2-dibromo-3-chloropropane	75	14.172	14.173	(1.090)	25953	20.0000	20.2
	92 1,2,4-Trichlorobenzene	180	14.848	14.853	(1.142)	176279	20.0000	20.1
	93 Hexachlorobutadiene	223	14.946	14.950	(1.150)	39116	20.0000	19.7
	94 Naphthalene	128	15.026	15.032	(1.156)	434519	20.0000	20.3
	95 1,2,3-trichlorobenzene	180	15.189	15.196	(1.169)	160809	20.0000	20.7
	103 Isopropyl Ether	45	4.767	4.771	(0.656)	491631	20.0000	19.7
	104 Ethyl acetate	43	5.815	5.824	(0.800)	217952	40.0000	41.3
	105 Cyclohexanone	55	11.616	11.616	(1.098)	92449	200.000	178
	106 Ethyl ether	59	2.710	2.719	(0.373)	111707	20.0000	20.0(q)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	56621	40.0000	36.1
	108 Tetrahydrofuran	42	6.254	6.264	(0.860)	73120	40.0000	42.1

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

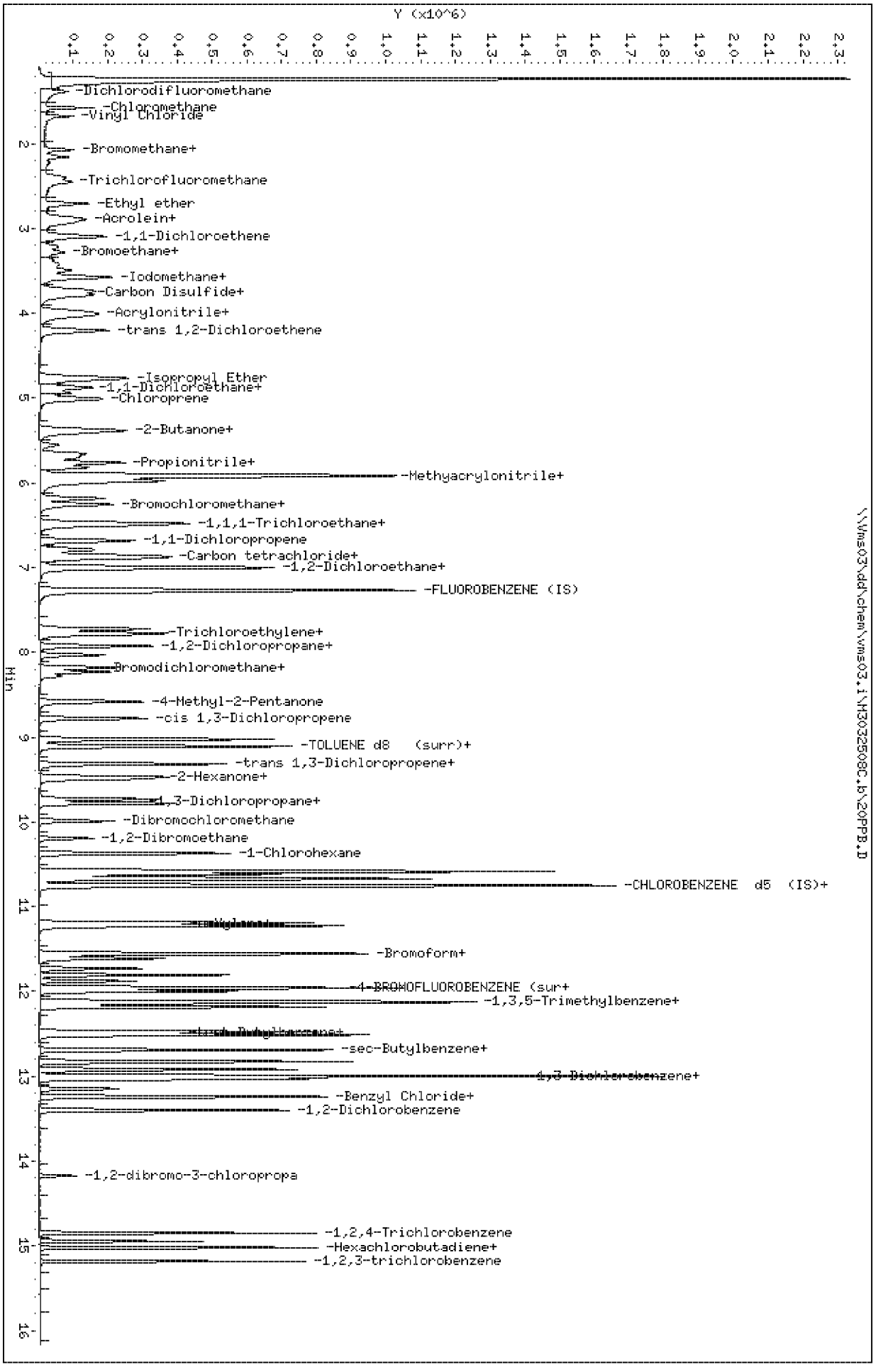
Instrument ID: vms03.i
Lab File ID: 20PPB.D
Lab Smp Id: 20PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 20PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1170843	0.40
63 CHLOROBENZENE d5	822247	411124	1644494	821156	-0.13
86 1,4-DICHLOROBENZE	457500	228750	915000	456012	-0.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Vms03\dd\chem\vms03.i\M30325090.b\20PPB.D
Date : 25-MAR-2008 08:35
Client ID: 20PPBCAL
Sample Info: 20PPBCAL
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\10PPB.D
Lab Smp Id: 10PPBCAL Client Smp ID: 10PPBCAL
Inj Date : 25-MAR-2008 08:59
Operator : Inst ID: vms03.i
Smp Info : 10PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 08:35 Cal File: 20PPB.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				162710	20.0000	(a)
M 2 Xylenes (Total)	100				478665	30.0000	(a)
M 3 Trihalomethanes (Total)	100				286718	10.0000	(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	61724	10.0000	9.4
5 Chloromethane	50	1.574	1.573	(0.217)	63488	10.0000	9.0
6 Vinyl Chloride	62	1.674	1.676	(0.230)	54833	10.0000	12.0
7 Bromomethane	96	2.074	2.075	(0.285)	30559	10.0000	9.3(q)
8 Chloroethane	64	2.158	2.160	(0.297)	38935	10.0000	9.6
9 Trichlorofluoromethane	101	2.403	2.403	(0.330)	86805	10.0000	9.5
113 Bromoethane	108	3.416	3.420	(0.470)	45752	10.0000	9.4
10 Acrolein	56	2.865	2.873	(0.394)	19925	20.0000	19.0
11 1,1,2 Trichlorotrifluoromethan	101	2.900	2.897	(0.399)	51638	10.0000	9.4(a)
12 Acetone	43	2.944	2.945	(0.405)	35266	20.0000	21.9
13 1,1-Dichloroethene	61	3.096	3.097	(0.426)	95440	10.0000	9.3
109 t-Butyl-Alcohol	59	3.222	3.230	(0.443)	47747	100.000	95.4(T)
14 Acetonitrile	41	3.286	3.291	(0.452)	93227	100.000	123
15 Iodomethane	142	3.496	3.496	(0.481)	90886	10.0000	9.8
16 Methyl Acetate	43	3.565	3.571	(0.490)	57768	10.0000	9.6
17 Allyl Chloride	41	3.581	3.582	(0.492)	96855	10.0000	9.4
18 Carbon Disulfide	76	3.726	3.724	(0.512)	164626	10.0000	9.4
19 Methylene Chloride	49	3.780	3.778	(0.520)	102982	10.0000	9.8
20 Acrylonitrile	53	3.971	3.981	(0.546)	51218	20.0000	19.0
21 Methyl-tert-butyl ether	73	4.015	4.020	(0.552)	167887	10.0000	9.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.206	4.208	(0.578)	94597	10.0000	9.3
	23 1,1-Dichloroethane	63	4.878	4.880	(0.671)	117270	10.0000	9.6
	24 Vinyl Acetate	43	4.940	4.944	(0.679)	92521	10.0000	9.2
	25 Chloroprene	53	5.013	5.012	(0.689)	96635	10.0000	9.4
	26 2-Butanone	43	5.554	5.564	(0.764)	55585	20.0000	21.2
	27 Propionitrile	54	5.655	5.662	(0.778)	91916	100.000	95.6
	114 tert-Butyl ethyl ether	59	5.386	5.389	(0.741)	208790	10.0000	9.3
	28 2,2-Dichloropropane	77	5.699	5.699	(0.784)	44368	10.0000	9.1
	29 cis-1,2-Dichloroethene	96	5.763	5.765	(0.793)	68113	10.0000	9.6
	30 Methyacrylonitrile	67	5.915	5.922	(0.813)	239869	100.000	95.6
	31 Isobutyl Alcohol	43	5.991	5.995	(0.824)	51963	200.000	234(TQ)
	32 Chloroform	83	5.978	5.979	(0.822)	115586	10.0000	9.7
	33 Bromochloromethane	49	6.183	6.184	(0.850)	61537	10.0000	9.4
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	50598	10.0000	8.7
	35 1,1,1-Trichloroethane	97	6.487	6.487	(0.892)	74494	10.0000	9.2
	36 Cyclohexane	56	6.488	6.489	(0.892)	109295	10.0000	9.1(a)
	37 1,1-Dichloropropene	75	6.687	6.685	(0.920)	83450	10.0000	9.3
	38 Carbon tetrachloride	117	6.791	6.789	(0.934)	66582	10.0000	8.8
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	12014	10.0000	8.6(q)
	40 1,2-Dichloroethane	62	7.003	7.006	(0.963)	89981	10.0000	10.0
	41 Benzene	78	7.003	7.001	(0.963)	259155	10.0000	9.7
	115 tert-Amyl-methyl ether	73	6.867	6.869	(0.944)	162823	10.0000	9.4
*	42 FLUOROBENZENE (IS)	96	7.272	7.272	(1.000)	1158241	50.0000	
	43 Trichloroethylene	130	7.721	7.722	(1.062)	59631	10.0000	9.6
	44 Methyl Cyclohexane	55	7.780	7.781	(1.070)	84396	10.0000	9.4(a)
	45 1,2-Dichloropropane	63	7.927	7.927	(1.090)	75620	10.0000	10.0
	46 Methyl Methacrylate	69	8.029	8.036	(1.104)	39182	10.0000	9.1
	47 Bromodichloromethane	83	8.181	8.180	(1.125)	83064	10.0000	9.3
	48 1,4 Dioxane	88	8.232	8.238	(1.132)	11362	200.000	206
	49 Dibromomethane	93	8.233	8.232	(1.132)	37178	10.0000	9.5
	50 4-Methyl-2-Pentanone	43	8.581	8.583	(0.660)	118060	20.0000	20.3
	51 2-Hexanone	43	9.494	9.499	(0.897)	85275	20.0000	19.4
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	86336	10.0000	9.2
$	53 TOLUENE d8 (surr)	98	9.025	9.025	(1.241)	208877	10.0000	9.0
	54 Toluene	92	9.107	9.107	(1.252)	164729	10.0000	9.8
	55 trans 1,3-Dichloropropene	75	9.313	9.313	(1.281)	69803	10.0000	8.6
	56 Ethyl Methacrylate	69	9.319	9.321	(1.282)	75486	10.0000	9.1
	57 1,1,2-Trichloroethane	97	9.467	9.467	(1.302)	54708	10.0000	9.6
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	99356	10.0000	9.7
	59 Tetrachloroethylene	164	9.780	9.780	(0.924)	44033	10.0000	9.4
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	56361	10.0000	9.0
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	55578	10.0000	9.5
	62 1-Chlorohexane	91	10.372	10.373	(0.980)	81776	10.0000	9.2
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	829045	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	172253	10.0000	9.8
	65 1,1,1,2-Tetrachloroethane	131	10.666	10.667	(1.008)	53497	10.0000	9.4
	66 Ethylbenzene	106	10.676	10.672	(1.009)	94880	10.0000	9.6
	67 p,m-Xylene	106	10.753	10.753	(1.016)	237895	20.0000	19.3
	68 o-Xylene	91	11.191	11.190	(1.058)	240770	10.0000	9.2
	69 Styrene	104	11.230	11.230	(1.061)	207260	10.0000	9.3
	70 Bromoform	173	11.566	11.569	(1.093)	31707	10.0000	8.8
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	294730	10.0000	9.9
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	23751	20.0000	17.5
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	74164	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	86306	10.0000	9.1
	75 1,2,3- trichloropropane	110	11.881	11.879	(0.914)	22111	10.0000	9.8
	76 n-Propylbenzene	91	11.960	11.959	(0.920)	359422	10.0000	9.7
	77 Bromobenzene	77	11.997	11.998	(0.923)	134021	10.0000	9.8
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	265051	10.0000	9.9
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	267202	10.0000	10.1
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	257964	10.0000	10.3
	81 tert-Butylbenzene	119	12.479	12.479	(0.960)	228820	10.0000	9.6
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	276914	10.0000	9.8
	83 sec-Butylbenzene	105	12.691	12.692	(0.976)	301116	10.0000	9.6
	84 p-Isopropyltoluene	119	12.830	12.830	(0.987)	252520	10.0000	9.5
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	143941	10.0000	9.8
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	448301	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	149061	10.0000	10
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	67825	10.0000	6.9
	89 n-Butylbenzene	91	13.242	13.242	(1.019)	229535	10.0000	9.4
	90 1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	139680	10.0000	9.8
	91 1,2-dibromo-3-chloropropane	75	14.172	14.173	(1.090)	11687	10.0000	9.2
	92 1,2,4-Trichlorobenzene	180	14.854	14.853	(1.143)	83363	10.0000	9.7
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	19125	10.0000	9.8
	94 Naphthalene	128	15.032	15.032	(1.156)	196925	10.0000	9.3
	95 1,2,3-trichlorobenzene	180	15.194	15.196	(1.169)	76070	10.0000	9.9
	103 Isopropyl Ether	45	4.770	4.771	(0.656)	233619	10.0000	9.5
	104 Ethyl acetate	43	5.820	5.824	(0.800)	102743	20.0000	19.5
	105 Cyclohexanone	55	11.617	11.616	(1.098)	49991	100.000	98.2
	106 Ethyl ether	59	2.713	2.719	(0.373)	50232	10.0000	9.1(aq)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	24047	20.0000	15.9
	108 Tetrahydrofuran	42	6.253	6.264	(0.860)	36448	20.0000	20.9

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 10PPB.D
Lab Smp Id: 10PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 10PPBCAL
Level: LOW
Sample Type: WATER

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1158241	-0.68
63 CHLOROBENZENE d5	822247	411124	1644494	829045	0.83
86 1,4-DICHLOROBENZE	457500	228750	915000	448301	-2.01

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.01
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\10PPB.D

Page 5

Date : 25-MAR-2008 08:59

Client ID: 10PPBCAL

Instrument: vms03.i

Sample Info: 10PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

AO-422

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\5PPB.D
Lab Smp Id: 5PPBCAL Client Smp ID: 5PPBCAL
Inj Date : 25-MAR-2008 09:23
Operator : Inst ID: vms03.i
Smp Info : 5PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 08:59 Cal File: 10PPB.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				86970	10.0000	(a)
M 2 Xylenes (Total)	100				245158	15.0000	(a)
M 3 Trihalomethanes (Total)	100				149740	5.00000	(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	35123	5.00000	5.4
5 Chloromethane	50	1.575	1.573	(0.217)	37917	5.00000	5.5
6 Vinyl Chloride	62	1.674	1.676	(0.230)	32426	5.00000	6.8
7 Bromomethane	96	2.076	2.075	(0.286)	17012	5.00000	5.3(q)
8 Chloroethane	64	2.160	2.160	(0.297)	23257	5.00000	5.8
9 Trichlorofluoromethane	101	2.406	2.403	(0.331)	49059	5.00000	5.4
113 Bromoethane	108	3.414	3.420	(0.470)	25136	5.00000	5.2
10 Acrolein	56	2.868	2.873	(0.394)	10039	10.0000	9.7
11 1,1,2 Trichlorotrifluoromethan	101	2.899	2.897	(0.399)	27790	5.00000	5.1(a)
12 Acetone	43	2.950	2.945	(0.406)	17945	10.0000	10.9
13 1,1-Dichloroethene	61	3.096	3.097	(0.426)	54166	5.00000	5.4
109 t-Butyl-Alcohol	59	3.226	3.230	(0.444)	26049	50.0000	52.6(Q)
14 Acetonitrile	41	3.291	3.291	(0.453)	43150	50.0000	54.5
15 Iodomethane	142	3.497	3.496	(0.481)	47198	5.00000	5.1
16 Methyl Acetate	43	3.564	3.571	(0.490)	32110	5.00000	5.4
17 Allyl Chloride	41	3.582	3.582	(0.493)	54613	5.00000	5.4
18 Carbon Disulfide	76	3.728	3.724	(0.513)	86872	5.00000	5.0
19 Methylene Chloride	49	3.782	3.778	(0.520)	54892	5.00000	5.2
20 Acrylonitrile	53	3.977	3.981	(0.547)	27398	10.0000	10.3
21 Methyl-tert-butyl ether	73	4.018	4.020	(0.552)	87549	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
22	trans 1,2-Dichloroethene	61	4.208	4.208	(0.579)	51703	5.00000	5.2
23	1,1-Dichloroethane	63	4.879	4.880	(0.671)	61859	5.00000	5.1
24	Vinyl Acetate	43	4.941	4.944	(0.679)	48268	5.00000	4.9
25	Chloroprene	53	5.008	5.012	(0.689)	47997	5.00000	4.7
26	2-Butanone	43	5.559	5.564	(0.764)	27402	10.0000	10.3
27	Propionitrile	54	5.657	5.662	(0.778)	50444	50.0000	53.0
114	tert-Butyl ethyl ether	59	5.386	5.389	(0.741)	113217	5.00000	5.1
28	2,2-Dichloropropane	77	5.699	5.699	(0.784)	23149	5.00000	4.8
29	cis-1,2-Dichloroethene	96	5.765	5.765	(0.793)	35267	5.00000	5.0
30	Methyacrylonitrile	67	5.920	5.922	(0.814)	129925	50.0000	52.3
31	Isobutyl Alcohol	43	5.993	5.995	(0.824)	26532	100.000	116(TQ)
32	Chloroform	83	5.978	5.979	(0.822)	61934	5.00000	5.2
33	Bromochloromethane	49	6.183	6.184	(0.850)	31700	5.00000	4.9
$ 34	DIBROMOFLUOROMETHANE (surr)	113	6.265	6.264	(0.861)	28582	5.00000	5.0
35	1,1,1-Trichloroethane	97	6.486	6.487	(0.892)	39966	5.00000	5.0
36	Cyclohexane	56	6.488	6.489	(0.892)	58571	5.00000	5.0(a)
37	1,1-Dichloropropene	75	6.686	6.685	(0.919)	43913	5.00000	5.0
38	Carbon tetrachloride	117	6.793	6.789	(0.934)	35090	5.00000	4.8
$ 39	1,2-DICHLOROETHANE d4 (surr)	102	6.890	6.891	(0.947)	6373	5.00000	4.7(q)
40	1,2-Dichloroethane	62	7.003	7.006	(0.963)	45754	5.00000	5.1
41	Benzene	78	7.002	7.001	(0.963)	138523	5.00000	5.2
115	tert-Amyl-methyl ether	73	6.867	6.869	(0.944)	85307	5.00000	5.0
* 42	FLUOROBENZENE (IS)	96	7.272	7.272	(1.000)	1157774	50.0000	
43	Trichloroethylene	130	7.723	7.722	(1.062)	31696	5.00000	5.2
44	Methyl Cyclohexane	55	7.779	7.781	(1.070)	43434	5.00000	4.9(a)
45	1,2-Dichloropropane	63	7.926	7.927	(1.090)	38755	5.00000	5.1
46	Methyl Methacrylate	69	8.031	8.036	(1.104)	20613	5.00000	4.9
47	Bromodichloromethane	83	8.181	8.180	(1.125)	43757	5.00000	5.0
48	1,4 Dioxane	88	8.235	8.238	(1.132)	6192	100.000	112
49	Dibromomethane	93	8.231	8.232	(1.132)	19391	5.00000	5.0
50	4-Methyl-2-Pentanone	43	8.583	8.583	(0.660)	60353	10.0000	10.6
51	2-Hexanone	43	9.496	9.499	(0.898)	44029	10.0000	10.0
52	cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	41590	5.00000	4.5
$ 53	TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	110267	5.00000	4.8
54	Toluene	92	9.108	9.107	(1.252)	83821	5.00000	5.0
55	trans 1,3-Dichloropropene	75	9.312	9.313	(1.281)	35771	5.00000	4.6
56	Ethyl Methacrylate	69	9.320	9.321	(1.282)	37516	5.00000	4.6
57	1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	28128	5.00000	5.0
58	1,3-Dichloropropane	76	9.730	9.729	(0.920)	51332	5.00000	5.0
59	Tetrachloroethylene	164	9.780	9.780	(0.924)	22394	5.00000	4.8
60	Dibromochloromethane	129	9.989	9.987	(0.944)	27812	5.00000	4.5
61	1,2-Dibromoethane	107	10.192	10.192	(0.963)	28049	5.00000	4.8
62	1-Chlorohexane	91	10.371	10.373	(0.980)	40680	5.00000	4.6
* 63	CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	832182	50.0000	
64	Chlorobenzene	112	10.619	10.620	(1.004)	88371	5.00000	5.0
65	1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	25951	5.00000	4.6
66	Ethylbenzene	106	10.675	10.672	(1.009)	47546	5.00000	4.8
67	p,m-Xylene	106	10.753	10.753	(1.016)	122383	10.0000	10
68	o-Xylene	91	11.192	11.190	(1.058)	122775	5.00000	4.8
69	Styrene	104	11.230	11.230	(1.061)	103660	5.00000	4.7
70	Bromoform	173	11.565	11.569	(1.093)	16237	5.00000	4.6
71	1-Methylethylbenzene	105	11.557	11.555	(0.889)	147234	5.00000	5.1
72	1,4-Dichloro-2-Butene	53	11.611	11.609	(0.893)	12555	10.0000	9.8
73	1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	38117	5.00000	5.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.909)	46186	5.00000	5.1
	75 1,2,3- trichloropropane	110	11.880	11.879	(0.914)	11718	5.00000	5.4
	76 n-Propylbenzene	91	11.960	11.959	(0.920)	181538	5.00000	5.1
	77 Bromobenzene	77	11.999	11.998	(0.923)	69683	5.00000	5.2
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	129233	5.00000	5.0
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	130405	5.00000	5.0
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	127905	5.00000	5.2
	81 tert-Butylbenzene	119	12.479	12.479	(0.960)	110559	5.00000	4.8
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	137256	5.00000	5.0
	83 sec-Butylbenzene	105	12.691	12.692	(0.976)	147650	5.00000	4.9
	84 p-Isopropyltoluene	119	12.830	12.830	(0.987)	127583	5.00000	5.0
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	72882	5.00000	5.1
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	436103	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	70593	5.00000	4.8
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	30860	5.00000	3.4
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	113536	5.00000	4.8
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	66628	5.00000	4.8
	91 1,2-dibromo-3-chloropropane	75	14.174	14.173	(1.090)	5473	5.00000	4.5
	92 1,2,4-Trichlorobenzene	180	14.854	14.853	(1.143)	39662	5.00000	4.8
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	9600	5.00000	5.1
	94 Naphthalene	128	15.033	15.032	(1.157)	91359	5.00000	4.5
	95 1,2,3-trichlorobenzene	180	15.196	15.196	(1.169)	36278	5.00000	4.8
	103 Isopropyl Ether	45	4.770	4.771	(0.656)	123274	5.00000	5.1
	104 Ethyl acetate	43	5.821	5.824	(0.800)	51992	10.0000	9.9
	105 Cyclohexanone	55	11.619	11.616	(1.098)	23629	50.0000	46.4
	106 Ethyl ether	59	2.712	2.719	(0.373)	27659	5.00000	5.1(aq)
	107 2-Nitropropane	43	8.281	8.279	(1.139)	12754	10.0000	8.8(a)
	108 Tetrahydrofuran	42	6.255	6.264	(0.860)	20537	10.0000	11.7

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 5PPB.D
Lab Smp Id: 5PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 5PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1157774	-0.72
63 CHLOROBENZENE d5	822247	411124	1644494	832182	1.21
86 1,4-DICHLOROBENZE	457500	228750	915000	436103	-4.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.02
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\5PPB.D

Date : 25-MAR-2008 09:23

Client ID: 5PPBCAL

Instrument: vms03.i

Sample Info: 5PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\2PPB.D
Lab Smp Id: 2PPBCAL Client Smp ID: 2PPBCAL
Inj Date : 25-MAR-2008 09:47
Operator : Inst ID: vms03.i
Smp Info : 2PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 06:59 Cal File: 1PPB.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				33634	4.00000	(a)
M 2 Xylenes (Total)	100				93693	6.00000	(a)
M 3 Trihalomethanes (Total)	100				57300	2.00000	(a)
4 Dichlorodifluoromethane	85	1.389	1.389	(0.191)	12000	2.00000	1.9
5 Chloromethane	50	1.573	1.573	(0.216)	15408	2.00000	2.1
6 Vinyl Chloride	62	1.676	1.676	(0.230)	11816	2.00000	2.3
7 Bromomethane	96	2.075	2.075	(0.285)	6099	2.00000	1.9(a)
8 Chloroethane	64	2.160	2.160	(0.297)	7377	2.00000	1.8
9 Trichlorofluoromethane	101	2.403	2.403	(0.330)	16626	2.00000	1.9
113 Bromoethane	108	3.420	3.420	(0.470)	8418	2.00000	1.8
10 Acrolein	56	2.873	2.873	(0.395)	3685	4.00000	3.6
11 1,1,2 Trichlorotrifluoromethan	101	2.897	2.897	(0.398)	10248	2.00000	2.0(a)
12 Acetone	43	2.945	2.945	(0.405)	7517	4.00000	4.6(a)
13 1,1-Dichloroethene	61	3.097	3.097	(0.426)	20724	2.00000	2.1
109 t-Butyl-Alcohol	59	3.230	3.230	(0.444)	9429	20.0000	19.6(Q)
14 Acetonitrile	41	3.291	3.291	(0.453)	15022	20.0000	18.7
15 Iodomethane	142	3.496	3.496	(0.481)	16936	2.00000	1.9(a)
16 Methyl Acetate	43	3.571	3.571	(0.491)	12681	2.00000	2.1
17 Allyl Chloride	41	3.582	3.582	(0.493)	19975	2.00000	2.0
18 Carbon Disulfide	76	3.724	3.724	(0.512)	32851	2.00000	2.0
19 Methylene Chloride	49	3.778	3.778	(0.520)	21200	2.00000	2.0
20 Acrylonitrile	53	3.981	3.981	(0.547)	9743	4.00000	3.8
21 Methyl-tert-butyl ether	73	4.020	4.020	(0.553)	32545	2.00000	1.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.208	4.208	(0.579)	20083	2.00000	2.0
	23 1,1-Dichloroethane	63	4.880	4.880	(0.671)	23669	2.00000	2.0
	24 Vinyl Acetate	43	4.944	4.944	(0.680)	17269	2.00000	1.8
	25 Chloroprene	53	5.012	5.012	(0.689)	19472	2.00000	2.0
	26 2-Butanone	43	5.564	5.564	(0.765)	11214	4.00000	4.3(a)
	27 Propionitrile	54	5.662	5.662	(0.779)	17937	20.0000	19.3
	114 tert-Butyl ethyl ether	59	5.389	5.389	(0.741)	40844	2.00000	1.9
	28 2,2-Dichloropropane	77	5.699	5.699	(0.784)	8416	2.00000	1.8
	29 cis-1,2-Dichloroethene	96	5.765	5.765	(0.793)	13551	2.00000	2.0
	30 Methyacrylonitrile	67	5.922	5.922	(0.814)	47642	20.0000	19.8
	31 Isobutyl Alcohol	43	5.994	5.995	(0.824)	10833	40.0000	46.4(TQ)
	32 Chloroform	83	5.979	5.979	(0.822)	23434	2.00000	2.0
	33 Bromochloromethane	49	6.184	6.184	(0.850)	13067	2.00000	2.1
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.263	6.264	(0.861)	13805	2.00000	2.5
	35 1,1,1-Trichloroethane	97	6.487	6.487	(0.892)	14410	2.00000	1.9(Q)
	36 Cyclohexane	56	6.489	6.489	(0.892)	21009	2.00000	1.8(a)
	37 1,1-Dichloropropene	75	6.685	6.685	(0.919)	17101	2.00000	2.0
	38 Carbon tetrachloride	117	6.789	6.789	(0.934)	13521	2.00000	1.9
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.890	6.891	(0.947)	3003	2.00000	2.3
	40 1,2-Dichloroethane	62	7.006	7.006	(0.963)	18202	2.00000	2.1
	41 Benzene	78	7.001	7.001	(0.963)	54149	2.00000	2.1
	115 tert-Amyl-methyl ether	73	6.869	6.869	(0.945)	31834	2.00000	1.9
*	42 FLUOROBENZENE (IS)	96	7.272	7.272	(1.000)	1130606	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	12117	2.00000	2.0
	44 Methyl Cyclohexane	55	7.781	7.781	(1.070)	17105	2.00000	2.0(a)
	45 1,2-Dichloropropane	63	7.927	7.927	(1.090)	15124	2.00000	2.1
	46 Methyl Methacrylate	69	8.036	8.036	(1.105)	7484	2.00000	1.9
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	17116	2.00000	2.0
	48 1,4 Dioxane	88	8.238	8.238	(1.133)	2445	40.0000	44.4(Q)
	49 Dibromomethane	93	8.232	8.232	(1.132)	7317	2.00000	1.9
	50 4-Methyl-2-Pentanone	43	8.583	8.583	(0.660)	21132	4.00000	3.7(a)
	51 2-Hexanone	43	9.499	9.499	(0.898)	16852	4.00000	4.0(a)
	52 cis 1,3-Dichloropropene	75	8.781	8.781	(1.208)	16034	2.00000	1.8
$	53 TOLUENE d8 (surr)	98	9.025	9.025	(1.241)	52833	2.00000	2.4
	54 Toluene	92	9.107	9.107	(1.252)	33857	2.00000	2.1
	55 trans 1,3-Dichloropropene	75	9.313	9.313	(1.281)	13003	2.00000	1.8
	56 Ethyl Methacrylate	69	9.321	9.321	(1.282)	13725	2.00000	1.8
	57 1,1,2-Trichloroethane	97	9.467	9.467	(1.302)	10692	2.00000	1.9
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	19744	2.00000	2.0
	59 Tetrachloroethylene	164	9.780	9.780	(0.924)	8407	2.00000	1.9
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	10764	2.00000	1.8
	61 1,2-Dibromoethane	107	10.192	10.192	(0.963)	10410	2.00000	1.9
	62 1-Chlorohexane	91	10.373	10.373	(0.980)	14339	2.00000	1.8
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	812573	50.0000	
	64 Chlorobenzene	112	10.620	10.620	(1.004)	35109	2.00000	2.0
	65 1,1,1,2-Tetrachloroethane	131	10.667	10.667	(1.008)	10401	2.00000	1.9
	66 Ethylbenzene	106	10.672	10.672	(1.009)	18830	2.00000	2.0
	67 p,m-Xylene	106	10.753	10.753	(1.016)	46212	4.00000	3.9
	68 o-Xylene	91	11.190	11.190	(1.058)	47481	2.00000	1.9
	69 Styrene	104	11.230	11.230	(1.061)	38456	2.00000	1.8
	70 Bromoform	173	11.569	11.569	(1.093)	5986	2.00000	1.8
	71 1-Methylethylbenzene	105	11.555	11.555	(0.889)	54172	2.00000	1.9
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	4689	4.00000	3.8
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	14829	2.00000	2.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	21477	2.00000	2.4
	75 1,2,3- trichloropropane	110	11.881	11.879	(0.914)	4418	2.00000	2.0
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	66726	2.00000	1.9
	77 Bromobenzene	77	11.998	11.998	(0.923)	30719	2.00000	2.4
	78 1,3,5-Trimethylbenzene	105	12.121	12.121	(0.932)	46813	2.00000	1.9
	79 2-Chlorotoluene	91	12.136	12.136	(0.934)	49741	2.00000	2.0
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	47488	2.00000	2.0
	81 tert-Butylbenzene	119	12.479	12.479	(0.960)	41192	2.00000	1.9
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	50664	2.00000	1.9
	83 sec-Butylbenzene	105	12.692	12.692	(0.976)	55187	2.00000	1.9
	84 p-Isopropyltoluene	119	12.830	12.830	(0.987)	46352	2.00000	1.9
	85 1,3-Dichlorobenzene	146	12.923	12.923	(0.994)	27181	2.00000	1.9
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	430557	50.0000	
	87 1,4-Dichlorobenzene	146	13.032	13.032	(1.002)	28053	2.00000	2.0
	88 Benzyl Chloride	91	13.150	13.150	(1.012)	11206	2.00000	1.4
	89 n-Butylbenzene	91	13.242	13.242	(1.019)	42459	2.00000	1.9
	90 1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	25372	2.00000	1.9
	91 1,2-dibromo-3-chloropropane	75	14.173	14.173	(1.090)	1989	2.00000	1.7
	92 1,2,4-Trichlorobenzene	180	14.853	14.853	(1.143)	14719	2.00000	1.8
	93 Hexachlorobutadiene	223	14.950	14.950	(1.150)	3797	2.00000	2.0
	94 Naphthalene	128	15.032	15.032	(1.156)	35327	2.00000	1.9
	95 1,2,3-trichlorobenzene	180	15.196	15.196	(1.169)	13773	2.00000	1.9
	103 Isopropyl Ether	45	4.771	4.771	(0.656)	45637	2.00000	1.9
	104 Ethyl acetate	43	5.824	5.824	(0.801)	23575	4.00000	4.6(Q)
	105 Cyclohexanone	55	11.616	11.616	(1.098)	11080	20.0000	22.6
	106 Ethyl ether	59	2.719	2.719	(0.374)	10625	2.00000	2.0(aQ)
	107 2-Nitropropane	43	8.279	8.279	(1.139)	4889	4.00000	3.6(a)
	108 Tetrahydrofuran	42	6.264	6.264	(0.861)	7971	4.00000	4.4(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 2PPB.D
Lab Smp Id: 2PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 2PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1130606	-3.05
63 CHLOROBENZENE d5	822247	411124	1644494	812573	-1.18
86 1,4-DICHLOROBENZE	457500	228750	915000	430557	-5.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.02
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\2PPB.D

Date : 25-MAR-2008 09:47

Client ID: 2PPBCAL

Instrument: vms03.i

Sample Info: 2PPBCAL

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\1PPB.D
Lab Smp Id: 1PPBCAL Client Smp ID: 1PPBCAL
Inj Date : 25-MAR-2008 06:59
Operator : Inst ID: vms03.i
Smp Info : 1PPBCAL
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-FEB-2008 09:32 Cal File: 1PPB.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				15888	2.00000	(a)
M 2 Xylenes (Total)	100				44331	3.00000	(a)
M 3 Trihalomethanes (Total)	100				27044	1.00000	(a)
4 Dichlorodifluoromethane	85	1.387	1.389	(0.191)	5017	1.00000	0.80(a)
5 Chloromethane	50	1.574	1.573	(0.217)	9079	1.00000	1.4
6 Vinyl Chloride	62	1.673	1.676	(0.230)	6343	1.00000	1.3
7 Bromomethane	96	2.076	2.075	(0.286)	3215	1.00000	1.0(a)
8 Chloroethane	64	2.160	2.160	(0.297)	4941	1.00000	1.2
9 Trichlorofluoromethane	101	2.418	2.403	(0.333)	8374	1.00000	0.95(a)
113 Bromoethane	108	3.419	3.420	(0.470)	3962	1.00000	0.85(a)
10 Acrolein	56	2.874	2.873	(0.395)	2058	2.00000	2.1(M)
11 1,1,2 Trichlorotrifluoromethan	101	2.899	2.897	(0.399)	4451	1.00000	0.85(a)
13 1,1-Dichloroethene	61	3.097	3.097	(0.426)	9263	1.00000	0.95(a)
109 t-Butyl-Alcohol	59	3.231	3.230	(0.444)	4233	10.0000	8.8(TQM)
14 Acetonitrile	41	3.292	3.291	(0.453)	8903	10.0000	11.6
15 Iodomethane	142	3.497	3.496	(0.481)	9073	1.00000	1.0(a)
16 Methyl Acetate	43	3.576	3.571	(0.492)	6868	1.00000	1.2(T)
17 Allyl Chloride	41	3.576	3.582	(0.492)	9015	1.00000	0.91(M)
18 Carbon Disulfide	76	3.729	3.724	(0.513)	15122	1.00000	0.91(a)
19 Methylene Chloride	49	3.781	3.778	(0.520)	11797	1.00000	1.2(a)
20 Acrylonitrile	53	3.981	3.981	(0.547)	4551	2.00000	1.8(a)
21 Methyl-tert-butyl ether	73	4.030	4.020	(0.554)	15582	1.00000	0.94(a)
22 trans 1,2-Dichloroethene	61	4.207	4.208	(0.579)	9422	1.00000	0.97(aq)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
23	1,1-Dichloroethane	63	4.878	4.880	(0.671)	11299	1.00000	0.97(a)
24	Vinyl Acetate	43	4.939	4.944	(0.679)	9531	1.00000	1.0(M)
25	Chloroprene	53	5.015	5.012	(0.690)	8915	1.00000	0.92
26	2-Butanone	43	5.560	5.564	(0.765)	5369	2.00000	2.1(a)
27	Propionitrile	54	5.662	5.662	(0.779)	8428	10.0000	9.1
114	tert-Butyl ethyl ether	59	5.392	5.389	(0.742)	18946	1.00000	0.89(a)
28	2,2-Dichloropropane	77	5.697	5.699	(0.783)	3700	1.00000	0.81(a)
29	cis-1,2-Dichloroethene	96	5.764	5.765	(0.793)	6466	1.00000	0.96(a)
30	Methyacrylonitrile	67	5.923	5.922	(0.815)	21455	10.0000	8.9
31	Isobutyl Alcohol	43	6.003	5.995	(0.826)	5022	20.0000	22.2(TQM)
32	Chloroform	83	5.979	5.979	(0.822)	11421	1.00000	1.00
33	Bromochloromethane	49	6.184	6.184	(0.851)	6400	1.00000	1.0
35	1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	7193	1.00000	0.94(TaQ)
36	Cyclohexane	56	6.489	6.489	(0.892)	10903	1.00000	0.97(a)
37	1,1-Dichloropropene	75	6.687	6.685	(0.920)	7896	1.00000	0.93(a)
38	Carbon tetrachloride	117	6.792	6.789	(0.934)	6506	1.00000	0.93(a)
40	1,2-Dichloroethane	62	7.007	7.006	(0.964)	8077	1.00000	0.93(a)
41	Benzene	78	7.004	7.001	(0.963)	26977	1.00000	1.0
115	tert-Amyl-methyl ether	73	6.870	6.869	(0.945)	14183	1.00000	0.86(a)
* 42	FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1110206	50.0000	
43	Trichloroethylene	130	7.722	7.722	(1.062)	5268	1.00000	0.89(a)
44	Methyl Cyclohexane	55	7.783	7.781	(1.070)	7506	1.00000	0.89(a)
45	1,2-Dichloropropane	63	7.927	7.927	(1.090)	6796	1.00000	0.93(a)
46	Methyl Methacrylate	69	8.031	8.036	(1.105)	3419	1.00000	0.85
47	Bromodichloromethane	83	8.180	8.180	(1.125)	7654	1.00000	0.91(a)
48	1,4 Dioxane	88	8.243	8.238	(1.134)	702	20.0000	13.0(QM)
49	Dibromomethane	93	8.232	8.232	(1.132)	3546	1.00000	0.95(a)
50	4-Methyl-2-Pentanone	43	8.587	8.583	(0.661)	10990	2.00000	2.0(a)
51	2-Hexanone	43	9.497	9.499	(0.898)	7550	2.00000	1.8(a)
52	cis 1,3-Dichloropropene	75	8.779	8.781	(1.207)	7744	1.00000	0.89(a)
54	Toluene	92	9.108	9.107	(1.253)	14542	1.00000	0.91(a)
55	trans 1,3-Dichloropropene	75	9.314	9.313	(1.281)	6062	1.00000	0.82(a)
56	Ethyl Methacrylate	69	9.321	9.321	(1.282)	6135	1.00000	0.80(a)
57	1,1,2-Trichloroethane	97	9.465	9.467	(1.302)	5462	1.00000	1.0
58	1,3-Dichloropropane	76	9.730	9.729	(0.920)	9462	1.00000	0.95(a)
59	Tetrachloroethylene	164	9.779	9.780	(0.924)	4277	1.00000	0.95(a)
60	Dibromochloromethane	129	9.986	9.987	(0.944)	5115	1.00000	0.87(a)
61	1,2-Dibromoethane	107	10.190	10.192	(0.963)	5171	1.00000	0.92(a)
62	1-Chlorohexane	91	10.372	10.373	(0.980)	6573	1.00000	0.78(a)
* 63	CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	811564	50.0000	
64	Chlorobenzene	112	10.617	10.620	(1.004)	17950	1.00000	1.0
65	1,1,1,2-Tetrachloroethane	131	10.664	10.667	(1.008)	5111	1.00000	0.94(aQ)
66	Ethylbenzene	106	10.674	10.672	(1.009)	8984	1.00000	0.94(a)
67	p,m-Xylene	106	10.754	10.753	(1.016)	22041	2.00000	1.8(a)
68	o-Xylene	91	11.190	11.190	(1.058)	22290	1.00000	0.89(a)
69	Styrene	104	11.230	11.230	(1.061)	18175	1.00000	0.86(a)
70	Bromoform	173	11.567	11.569	(1.093)	2854	1.00000	0.84(a)
71	1-Methylethylbenzene	105	11.555	11.555	(0.889)	25061	1.00000	0.89(a)
72	1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	2076	2.00000	1.7
73	1,1,2,2-Tetrachloroethane	83	11.733	11.732	(0.903)	7264	1.00000	1.0
75	1,2,3- trichloropropane	110	11.883	11.879	(0.914)	1982	1.00000	0.93(a)
76	n-Propylbenzene	91	11.959	11.959	(0.920)	31441	1.00000	0.90(a)
77	Bromobenzene	77	11.999	11.998	(0.923)	11873	1.00000	0.92(a)
78	1,3,5-Trimethylbenzene	105	12.120	12.121	(0.933)	22005	1.00000	0.87(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
79	2-Chlorotoluene	91	12.134	12.136	(0.934)	23815	1.00000	0.95(a)
80	4-Chlorotoluene	91	12.183	12.183	(0.937)	22349	1.00000	0.93(a)
81	tert-Butylbenzene	119	12.478	12.479	(0.960)	18921	1.00000	0.86(a)
82	1,2,4-trimethylbenzene	105	12.513	12.514	(0.963)	23527	1.00000	0.89(a)
83	sec-Butylbenzene	105	12.689	12.692	(0.976)	25366	1.00000	0.86(a)
84	p-Isopropyltoluene	119	12.830	12.830	(0.987)	21350	1.00000	0.86(a)
85	1,3-Dichlorobenzene	146	12.921	12.923	(0.994)	12994	1.00000	0.94(a)
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	422640	50.0000	
87	1,4-Dichlorobenzene	146	13.030	13.032	(1.003)	14378	1.00000	1.0
88	Benzyl Chloride	91	13.151	13.150	(1.012)	5470	1.00000	0.66
89	n-Butylbenzene	91	13.241	13.242	(1.019)	19664	1.00000	0.87(a)
90	1,2-Dichlorobenzene	146	13.402	13.402	(1.031)	13227	1.00000	1.00
92	1,2,4-Trichlorobenzene	180	14.857	14.853	(1.143)	6824	1.00000	0.85(a)
93	Hexachlorobutadiene	223	14.957	14.950	(1.151)	1693	1.00000	0.92(aM)
94	Naphthalene	128	15.036	15.032	(1.157)	14281	1.00000	0.74(a)
95	1,2,3-trichlorobenzene	180	15.202	15.196	(1.170)	6210	1.00000	0.86(a)
103	Isopropyl Ether	45	4.776	4.771	(0.657)	22789	1.00000	0.97
104	Ethyl acetate	43	5.824	5.824	(0.801)	9907	2.00000	2.0(Q)
105	Cyclohexanone	55	11.617	11.616	(1.098)	3693	10.0000	7.5
106	Ethyl ether	59	2.714	2.719	(0.373)	4582	1.00000	0.88(aQ)
107	2-Nitropropane	43	8.280	8.279	(1.139)	2549	2.00000	1.9(a)
108	Tetrahydrofuran	42	6.265	6.264	(0.862)	4059	2.00000	2.3(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 1PPB.D
Lab Smp Id: 1PPBCAL
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 1PPBCAL
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1110206	-4.80
63 CHLOROBENZENE d5	822247	411124	1644494	811564	-1.30
86 1,4-DICHLOROBENZE	457500	228750	915000	422640	-7.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.01
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3032508C.b\1PPB.D
Date : 25-MAR-2008 06:59
Client ID: 1PPBCAL
Instrument: vms03.i
Sample Info: 1PPBCAL
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18

AO-437

2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3032508C.b\SEC31.D
Lab Smp Id: SEC31 Client Smp ID: SEC31
Inj Date : 25-MAR-2008 10:12
Operator : Inst ID: vms03.i
Smp Info : SEC31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Meth Date : 27-Mar-2008 08:56 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 1 QC Sample: SSC
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
M 1 1,2-Dichloroethene (Total)	100				881892	103.834	104
M 2 Xylenes (Total)	100				2570683	159.613	160
M 3 Trihalomethanes (Total)	100				1568761	214.061	214
4 Dichlorodifluoromethane	85	1.386	1.389	(0.191)	301702	47.6510	47.6
5 Chloromethane	50	1.573	1.573	(0.216)	342150	46.2801	46.3
6 Vinyl Chloride	62	1.671	1.676	(0.230)	236163	51.5752	51.6
7 Bromomethane	96	2.071	2.075	(0.285)	172095	53.0408	53.0(Q)
8 Chloroethane	64	2.156	2.160	(0.297)	211124	50.2247	50.2
9 Trichlorofluoromethane	101	2.403	2.403	(0.331)	472241	52.3766	52.4
113 Bromoethane	108	3.416	3.420	(0.470)	253358	54.1412	54.1
10 Acrolein	56	2.862	2.873	(0.394)	81208	79.4172	79.4
11 1,1,2 Trichlorotrifluoromethan	101	2.897	2.897	(0.398)	284877	53.6931	53.7
12 Acetone	43	2.943	2.945	(0.405)	132869	78.2646	78.3
13 1,1-Dichloroethene	61	3.094	3.097	(0.426)	523115	51.5268	51.5
109 t-Butyl-Alcohol	59	3.217	3.230	(0.443)	257513	526.774	527
14 Acetonitrile	41	3.282	3.291	(0.451)	390298	480.420	480
15 Iodomethane	142	3.493	3.496	(0.480)	475549	51.6435	51.6
16 Methyl Acetate	43	3.558	3.571	(0.489)	296725	47.6276	47.6
17 Allyl Chloride	41	3.579	3.582	(0.492)	528094	52.0611	52.1
18 Carbon Disulfide	76	3.723	3.724	(0.512)	883119	51.9260	51.9
19 Methylene Chloride	49	3.780	3.778	(0.520)	530090	49.2841	49.3
20 Acrylonitrile	53	3.970	3.981	(0.546)	222131	85.2085	85.2
21 Methyl-tert-butyl ether	73	4.012	4.020	(0.552)	887220	52.0593	52.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	22 trans 1,2-Dichloroethene	61	4.204	4.208	(0.578)	518126	51.5862	51.6
	23 1,1-Dichloroethane	63	4.877	4.880	(0.671)	628340	51.9644	52.0
	24 Vinyl Acetate	43	4.936	4.944	(0.679)	493325	50.7034	50.7
	25 Chloroprene	53	5.010	5.012	(0.689)	530622	53.5383	53.5
	26 2-Butanone	43	5.548	5.564	(0.763)	212456	78.7451	78.7
	27 Propionitrile	54	5.649	5.662	(0.777)	487745	517.184	517
	114 tert-Butyl ethyl ether	59	5.383	5.389	(0.740)	1148766	53.0830	53.1
	28 2,2-Dichloropropane	77	5.698	5.699	(0.784)	254538	55.4903	55.5
	29 cis-1,2-Dichloroethene	96	5.762	5.765	(0.793)	363766	52.2479	52.2
	30 Methyacrylonitrile	67	5.914	5.922	(0.813)	1304119	531.144	531
	31 Isobutyl Alcohol	43	5.980	5.995	(0.822)	223552	919.156	919(Q)
	32 Chloroform	83	5.977	5.979	(0.822)	616324	51.6895	51.7
	33 Bromochloromethane	49	6.182	6.184	(0.850)	333782	51.5919	51.6
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.262	6.264	(0.861)	278527	47.5642	47.6
	35 1,1,1-Trichloroethane	97	6.485	6.487	(0.892)	408911	52.4579	52.4
	36 Cyclohexane	56	6.487	6.489	(0.892)	603143	52.2636	52.3
	37 1,1-Dichloropropene	75	6.685	6.685	(0.919)	461248	52.9121	52.9
	38 Carbon tetrachloride	117	6.792	6.789	(0.934)	389923	54.2674	54.3
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.891	6.891	(0.948)	68586	50.1698	50.2(Q)
	40 1,2-Dichloroethane	62	7.003	7.006	(0.963)	461743	51.5775	51.6
	41 Benzene	78	7.002	7.001	(0.963)	1388509	51.5901	51.6
	115 tert-Amyl-methyl ether	73	6.863	6.869	(0.944)	908511	54.4240	54.4
*	42 FLUOROBENZENE (IS)	96	7.271	7.272	(1.000)	1154178	50.0000	
	43 Trichloroethylene	130	7.722	7.722	(1.062)	319552	52.6316	52.6
	44 Methyl Cyclohexane	55	7.780	7.781	(1.070)	450569	52.1061	52.1
	45 1,2-Dichloropropane	63	7.926	7.927	(1.090)	388261	51.6108	51.6
	46 Methyl Methacrylate	69	8.030	8.036	(1.104)	218328	53.8072	53.8
	47 Bromodichloromethane	83	8.180	8.180	(1.125)	458285	52.8562	52.8
	48 1,4 Dioxane	88	8.227	8.238	(1.132)	54134	947.395	947(Q)
	49 Dibromomethane	93	8.230	8.232	(1.132)	198924	51.9904	52.0
	50 4-Methyl-2-Pentanone	43	8.579	8.583	(0.660)	466604	78.4732	78.5
	51 2-Hexanone	43	9.491	9.499	(0.897)	354332	83.9285	83.9
	52 cis 1,3-Dichloropropene	75	8.780	8.781	(1.207)	477412	54.3252	54.3
$	53 TOLUENE d8 (surr)	98	9.024	9.025	(1.241)	1124322	48.4930	48.5
	54 Toluene	92	9.106	9.107	(1.252)	859787	52.0087	52.0
	55 trans 1,3-Dichloropropene	75	9.312	9.313	(1.281)	410539	55.4680	55.5
	56 Ethyl Methacrylate	69	9.317	9.321	(1.281)	419239	54.7143	54.7
	57 1,1,2-Trichloroethane	97	9.468	9.467	(1.302)	287325	51.3337	51.3
	58 1,3-Dichloropropane	76	9.729	9.729	(0.920)	525130	52.8908	52.9
	59 Tetrachloroethylene	164	9.779	9.780	(0.924)	238230	53.5224	53.5
	60 Dibromochloromethane	129	9.987	9.987	(0.944)	312780	54.3368	54.3
	61 1,2-Dibromoethane	107	10.191	10.192	(0.963)	290712	52.5561	52.6
	62 1-Chlorohexane	91	10.370	10.373	(0.980)	451800	56.0281	56.0
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	814234	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	888839	51.1892	51.2
	65 1,1,1,2-Tetrachloroethane	131	10.665	10.667	(1.008)	286010	53.0566	53.0(q)
	66 Ethylbenzene	106	10.675	10.672	(1.009)	506510	53.3049	53.3
	67 p,m-Xylene	106	10.753	10.753	(1.016)	1253784	105.895	106
	68 o-Xylene	91	11.190	11.190	(1.058)	1316899	53.7180	53.7
	69 Styrene	104	11.229	11.230	(1.061)	1118099	54.0627	54.1
	70 Bromoform	173	11.566	11.569	(1.093)	181372	55.1783	55.2
	71 1-Methylethylbenzene	105	11.556	11.555	(0.889)	1589010	53.3420	53.3
	72 1,4-Dichloro-2-Butene	53	11.609	11.609	(0.893)	141815	108.904	109
	73 1,1,2,2-Tetrachloroethane	83	11.732	11.732	(0.903)	385738	50.0882	50.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	461747	47.2754	47.3
	75 1,2,3- trichloropropane	110	11.880	11.879	(0.914)	116995	50.9826	51.0
	76 n-Propylbenzene	91	11.959	11.959	(0.920)	1952301	53.0208	53.0
	77 Bromobenzene	77	11.998	11.998	(0.923)	713566	50.4723	50.5
	78 1,3,5-Trimethylbenzene	105	12.119	12.121	(0.932)	1419082	53.6361	53.6
	79 2-Chlorotoluene	91	12.135	12.136	(0.934)	1398978	52.1873	52.2
	80 4-Chlorotoluene	91	12.183	12.183	(0.937)	1323708	51.7048	51.7
	81 tert-Butylbenzene	119	12.478	12.479	(0.960)	1255457	54.1098	54.1
	82 1,2,4-trimethylbenzene	105	12.514	12.514	(0.963)	1497959	53.5338	53.5
	83 sec-Butylbenzene	105	12.690	12.692	(0.976)	1654759	53.6862	53.7
	84 p-Isopropyltoluene	119	12.829	12.830	(0.987)	1383349	53.1102	53.1
	85 1,3-Dichlorobenzene	146	12.922	12.923	(0.994)	763643	51.6665	51.7
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	456679	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	772853	50.9740	51.0
	88 Benzyl Chloride	91	13.149	13.150	(1.012)	517695	52.1723	52.2
	89 n-Butylbenzene	91	13.241	13.242	(1.019)	1296067	54.4134	54.4
	90 1,2-Dichlorobenzene	146	13.401	13.402	(1.031)	731767	51.4004	51.4
	91 1,2-dibromo-3-chloropropane	75	14.174	14.173	(1.090)	66113	54.1130	54.1
	92 1,2,4-Trichlorobenzene	180	14.853	14.853	(1.143)	442819	52.7942	52.8
	93 Hexachlorobutadiene	223	14.951	14.950	(1.150)	98474	50.1316	50.1
	94 Naphthalene	128	15.032	15.032	(1.156)	1093565	54.8784	54.9
	95 1,2,3-trichlorobenzene	180	15.196	15.196	(1.169)	397073	52.3346	52.3
	103 Isopropyl Ether	45	4.766	4.771	(0.655)	1254538	52.0191	52.0
	104 Ethyl acetate	43	5.813	5.824	(0.799)	552792	104.192	104
	105 Cyclohexanone	55	11.615	11.616	(1.098)	251264	501.461	501
	106 Ethyl ether	59	2.709	2.719	(0.373)	268029	50.1577	50.2(Q)
	107 2-Nitropropane	43	8.280	8.279	(1.139)	152201	109.995	110
	108 Tetrahydrofuran	42	6.246	6.264	(0.859)	168910	90.4193	90.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

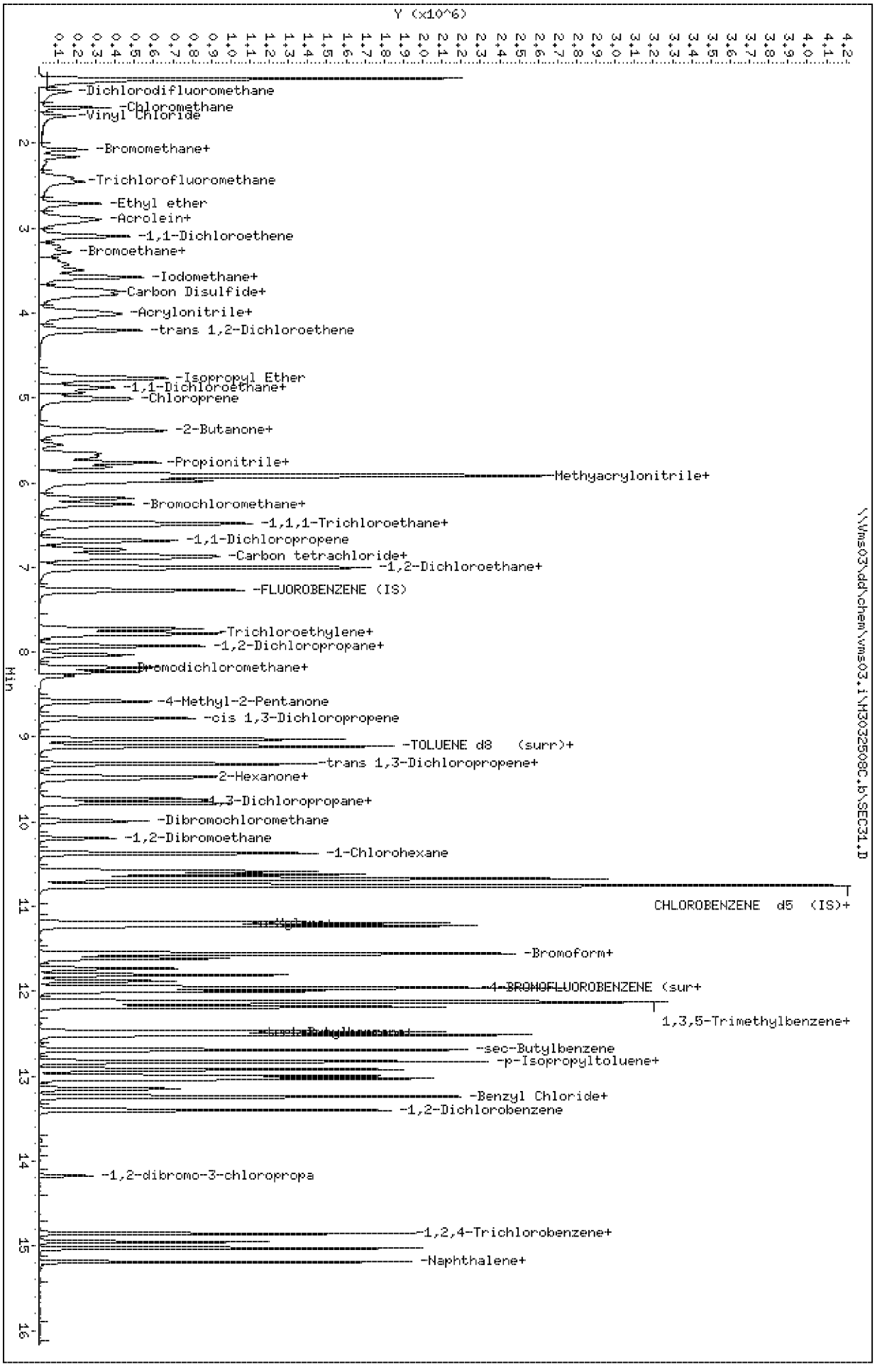
Instrument ID: vms03.i
Lab File ID: SEC31.D
Lab Smp Id: SEC31
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3032508C.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SEC31
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1154178	-1.03
63 CHLOROBENZENE d5	822247	411124	1644494	814234	-0.97
86 1,4-DICHLOROBENZE	457500	228750	915000	456679	-0.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.00
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Vms03\dd\chem\vms03.i\M30325v9C.b\SEC31.D
Date : 25-MAR-2008 10:12
Client ID: SEC31
Sample Info: SEC31
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18

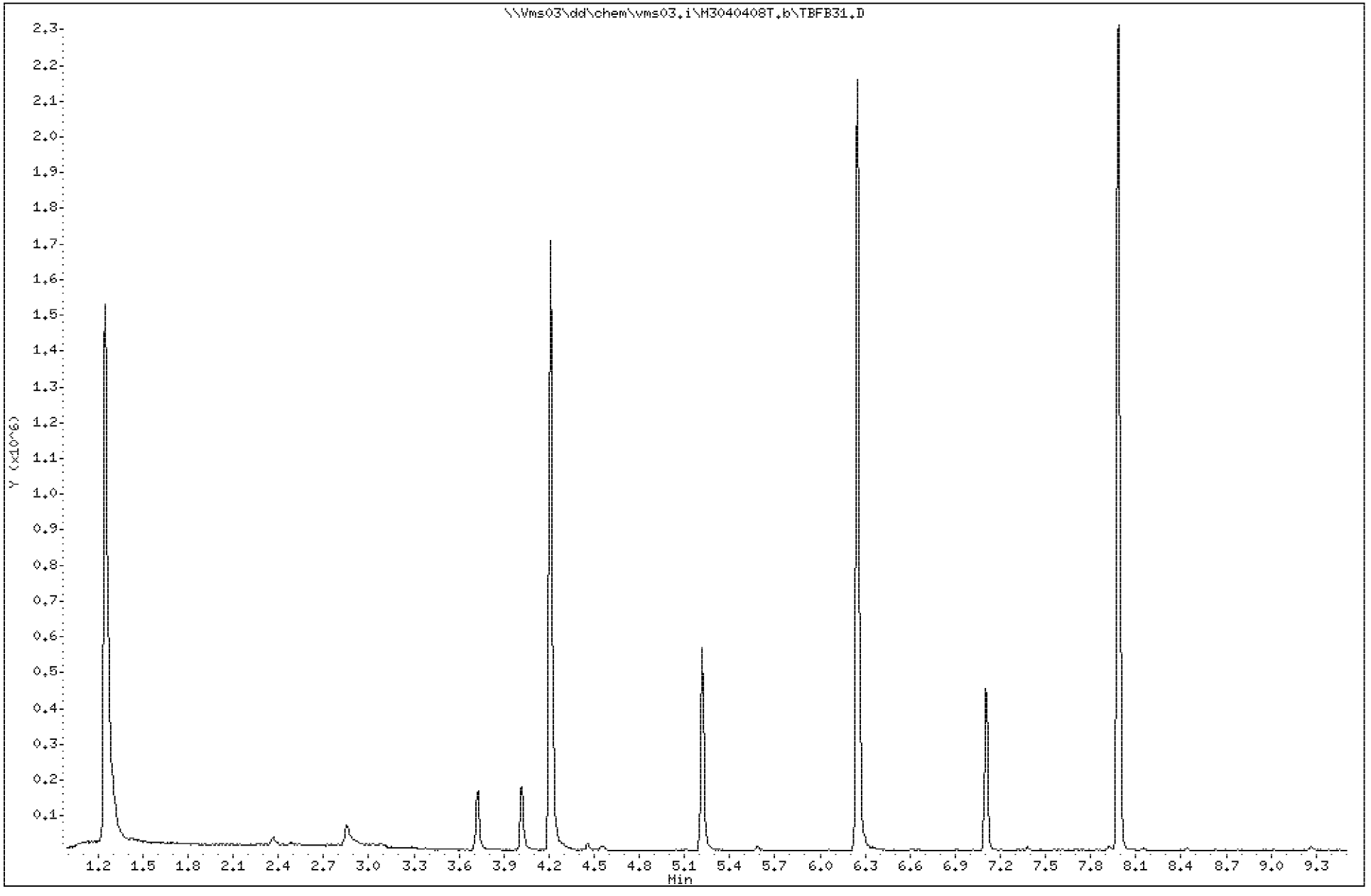
PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408T.b\TBFB31.D
Lab Smp Id: 040408BFBA31 Client Smp ID: 040408BFBA31
Inj Date : 04-APR-2008 05:31
Operator : Inst ID: vms03.i
Smp Info : 040408BFBA31
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408T.b\BFBE.m
Meth Date : 04-Apr-2008 11:16 mstephens Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: VOLS11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 74-83-9		
7.103	7.500	-0.397	95	87664			0.00- 100.00	100.00
7.103	7.500	-0.397	50	16744			15.00- 40.00	19.10
7.103	7.500	-0.397	75	43888			30.00- 60.00	50.06
7.103	7.500	-0.397	96	5770			5.00- 9.00	6.58
7.103	7.500	-0.397	173	0	0.0	0.0	0.00- 2.00	0.00
7.103	7.500	-0.397	174	61880			50.00- 100.00	70.59
7.103	7.500	-0.397	175	4692			5.00- 9.00	7.58
7.103	7.500	-0.397	176	60568			95.00- 101.00	97.88
7.103	7.500	-0.397	177	3888			5.00- 9.00	6.42

Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\TBFB31.D
Date : 04-APR-2008 05:31
Client ID: 040408BFBA31
Instrument: vms03.i
Sample Info: 040408BFBA31
Purge Volume: 5.0
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-444
2508946

Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\TBFB31.D

Date : 04-APR-2008 05:31

Client ID: 040408BFBA31

Instrument: vms03.i

Sample Info: 040408BFBA31

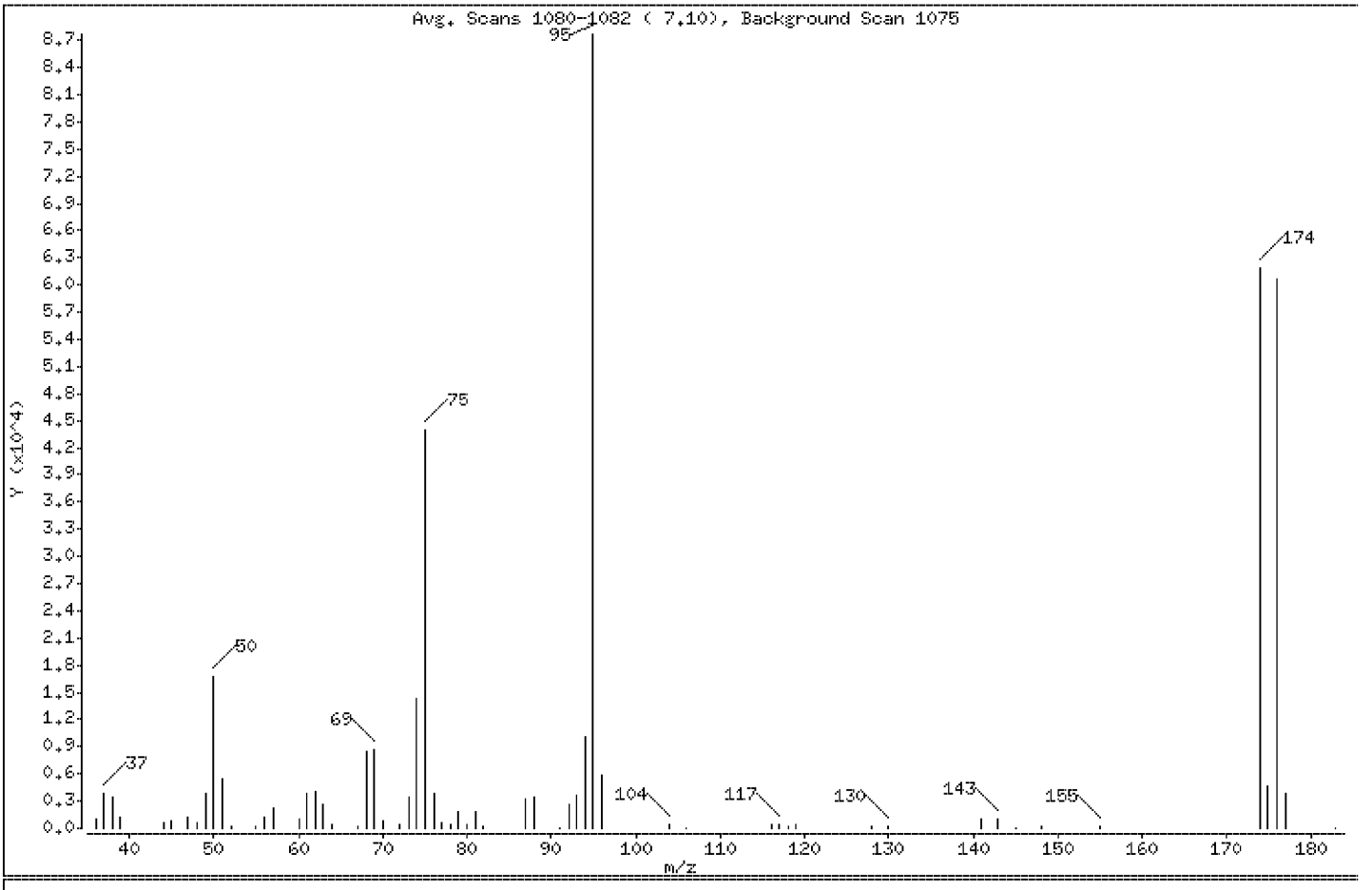
Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.10
75	30.00 - 60.00% of mass 95	50.06
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	70.59
175	5.00 - 9.00% of mass 174	5.35 (7.58)
176	95.00 - 101.00% of mass 174	69.09 (97.88)
177	5.00 - 9.00% of mass 176	4.44 (6.42)

Date : 04-APR-2008 05:31

Client ID: 040408BFBA31 Instrument: vms03.i

Sample Info: 040408BFBA31

Purge Volume: 5.0 Operator:

Column phase: DB-624 Column diameter: 0.18

Data File: TBFB31.D
Spectrum: Avg. Scans 1080-1082 (7.10), Background Scan 1075
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1103	61.00	3884	80.00	452	119.00	421
37.00	3923	62.00	4122	81.00	1769	128.00	230
38.00	3463	63.00	2594	82.00	262	130.00	242
39.00	1201	64.00	397	87.00	3189	141.00	975
44.00	563	67.00	226	88.00	3518	143.00	1019
45.00	818	68.00	8531	91.00	87	145.00	90
47.00	1269	69.00	8641	92.00	2544	148.00	211
48.00	653	70.00	786	93.00	3721	155.00	212
49.00	3748	72.00	461	94.00	10139	174.00	61880
50.00	16744	73.00	3447	95.00	87664	175.00	4692
51.00	5441	74.00	14269	96.00	5770	176.00	60568
52.00	101	75.00	43888	104.00	337	177.00	3888
55.00	159	76.00	3849	106.00	71	183.00	91
56.00	1294	77.00	538	116.00	356		
57.00	2206	78.00	444	117.00	497		
60.00	1087	79.00	1903	118.00	198		

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D
Lab Smp Id: 040408CCVA32 Client Smp ID: 040408CCVA32
Inj Date : 04-APR-2008 06:42
Operator : Inst ID: vms03.i
Smp Info : 040408CCVA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Meth Date : 04-Apr-2008 11:20 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: tclp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	6 Vinyl Chloride	62	1.678	1.676	(0.231)	219151	51.4428	51.4
	13 1,1-Dichloroethene	61	3.100	3.097	(0.426)	514979	54.5433	54.5
	26 2-Butanone	43	5.552	5.564	(0.763)	221309	88.2003	88.2
	32 Chloroform	83	5.980	5.979	(0.822)	585306	52.7828	52.8
$	34 DIBROMOFLUOROMETHANE (surr)	113	6.265	6.264	(0.861)	272303	50.0013	50.0
	38 Carbon tetrachloride	117	6.793	6.789	(0.934)	380774	56.9828	57.0
$	39 1,2-DICHLOROETHANE d4 (surr)	102	6.893	6.891	(0.948)	64187	50.4859	50.5(Q)
	40 1,2-Dichloroethane	62	7.005	7.006	(0.963)	433503	52.0677	52.1
	41 Benzene	78	7.004	7.001	(0.963)	1235537	49.3616	49.4
*	42 FLUOROBENZENE (IS)	96	7.273	7.272	(1.000)	1073388	50.0000	
	43 Trichloroethylene	130	7.725	7.722	(1.062)	292349	51.7753	51.8
$	53 TOLUENE d8 (surr)	98	9.025	9.025	(1.241)	1060495	49.1828	49.2
	59 Tetrachloroethylene	164	9.780	9.780	(0.924)	225371	53.9776	54.0
*	63 CHLOROBENZENE d5 (IS)	117	10.580	10.580	(1.000)	763787	50.0000	
	64 Chlorobenzene	112	10.618	10.620	(1.004)	812026	49.8543	49.8
$	74 4-BROMOFLUOROBENZENE (surr)	95	11.807	11.808	(0.908)	446012	46.8420	46.8
*	86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.998	12.999	(1.000)	445198	50.0000	
	87 1,4-Dichlorobenzene	146	13.030	13.032	(1.002)	729707	49.3695	49.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

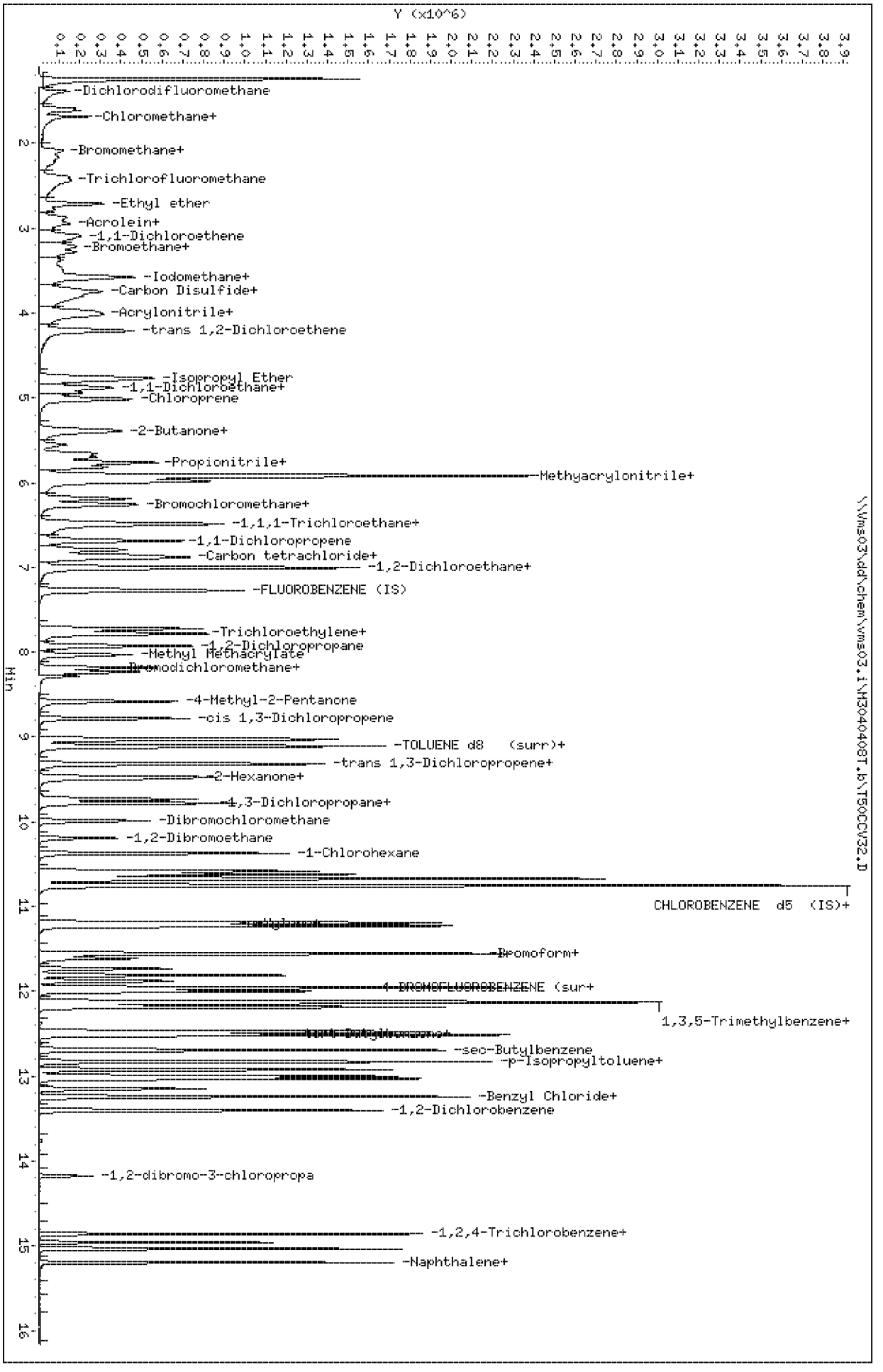
Instrument ID: vms03.i
Lab File ID: T50CCV32.D
Lab Smp Id: 040408CCVA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 040408CCVA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1073388	-7.95
63 CHLOROBENZENE d5	822247	411124	1644494	763787	-7.11
86 1,4-DICHLOROBENZE	457500	228750	915000	445198	-2.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.04
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.01
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Vms03\dd\chem\vms03.i\M30404081.b\T50CCV32.D
Date : 04-APR-2008 06:42
Client ID: 040408CCVA32
Sample Info: 040408CCVA32
Purge Volume: 5.0
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18

Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

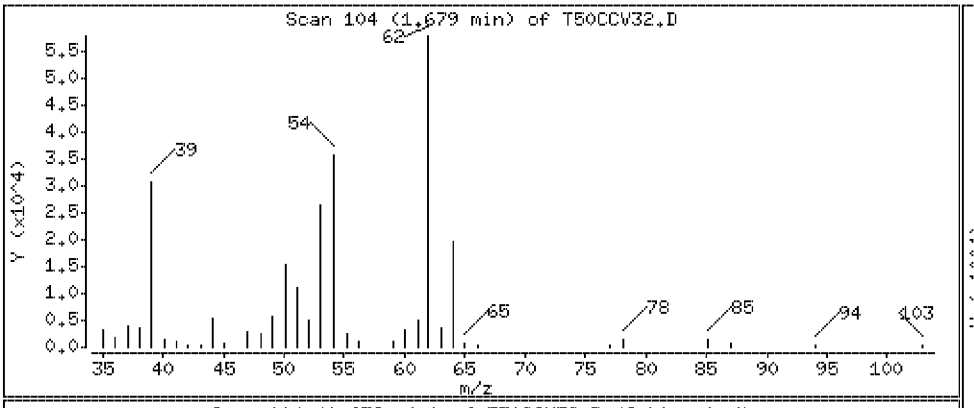
Operator:

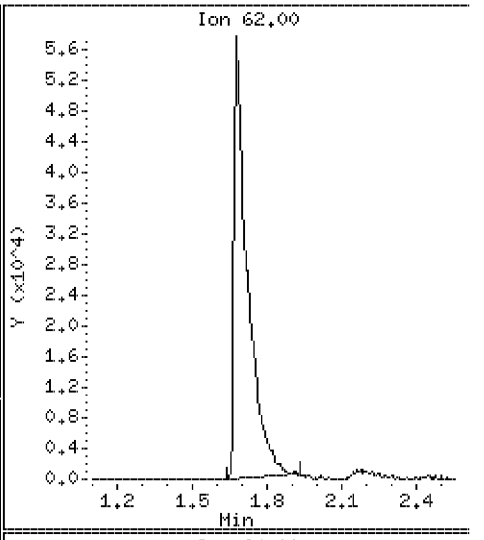
Column phase: DB-624

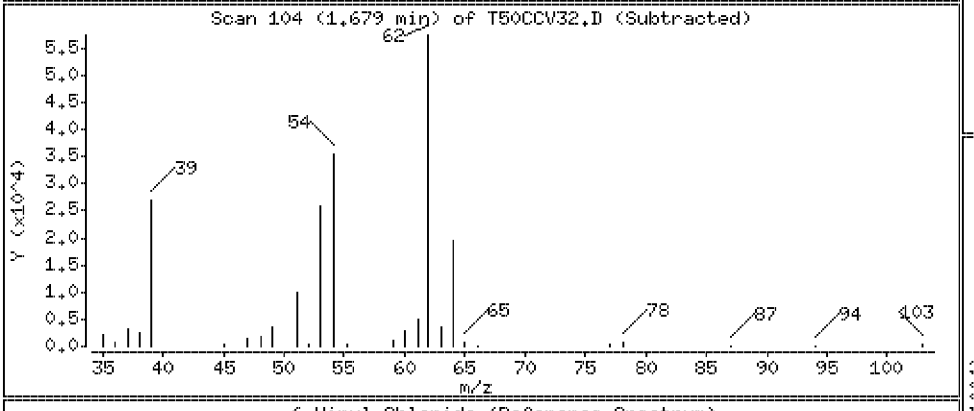
Column diameter: 0.18

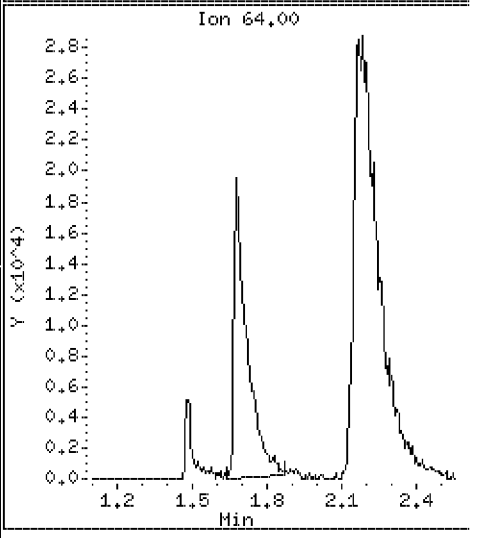
6 Vinyl Chloride

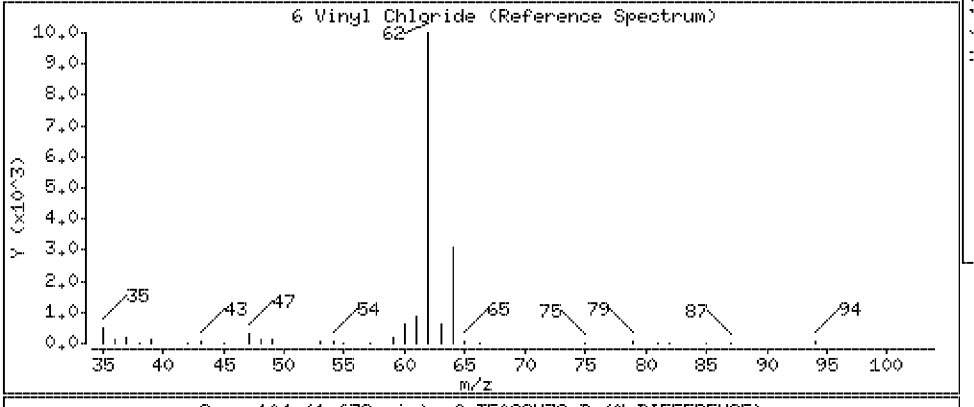
Concentration: 51.4 ug/l

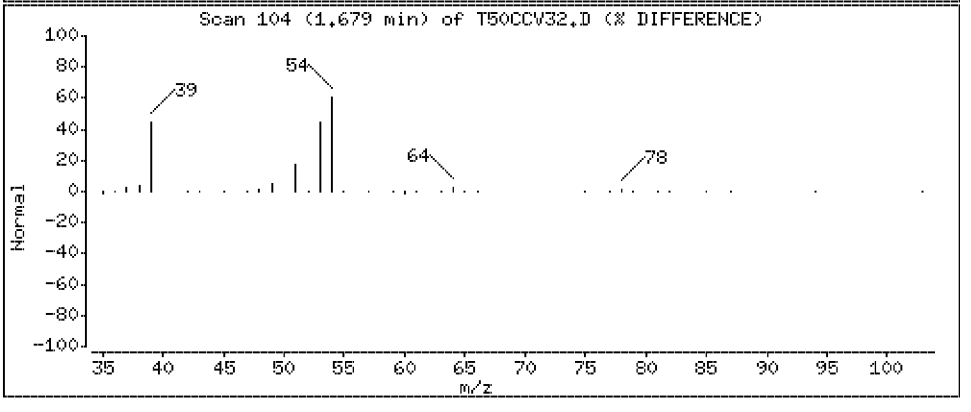












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

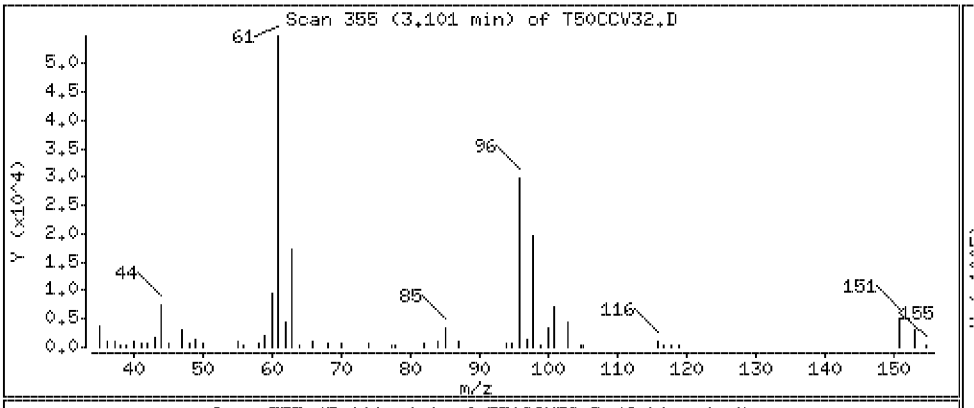
Operator:

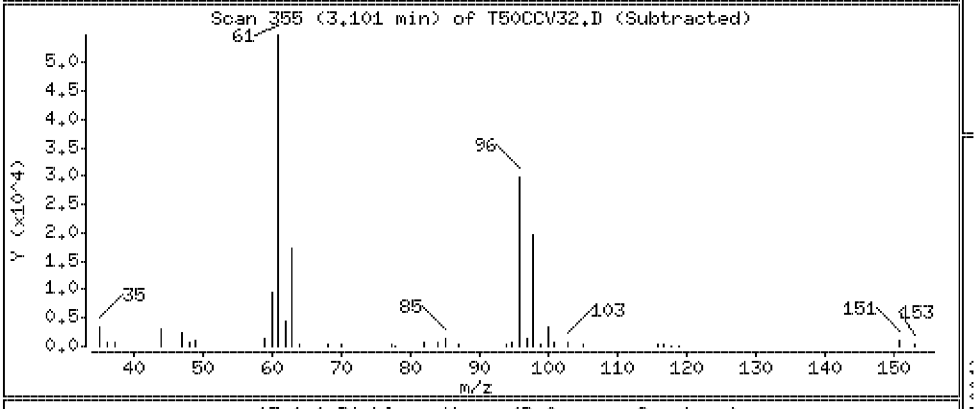
Column phase: DB-624

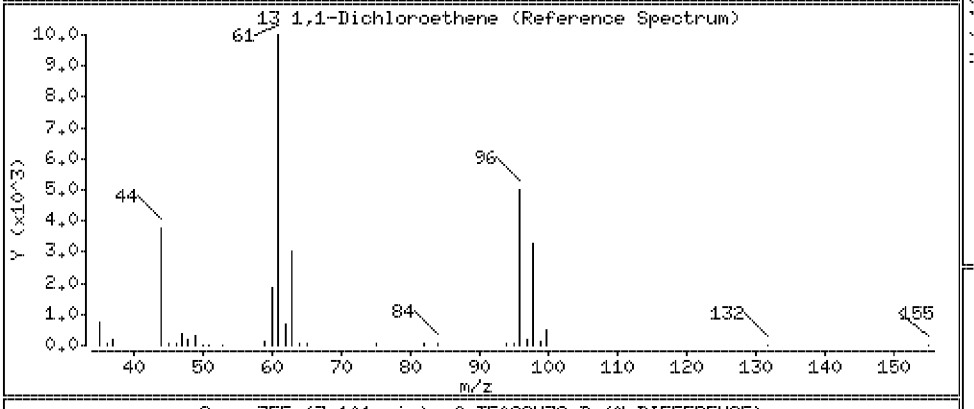
Column diameter: 0.18

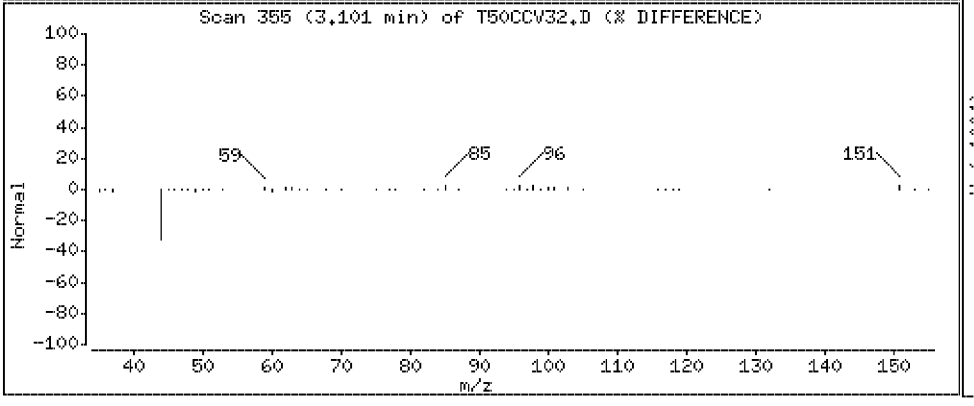
13 1,1-Dichloroethene

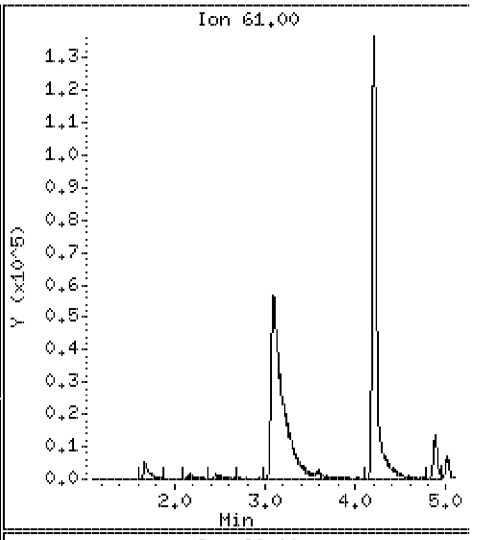
Concentration: 54.5 ug/l

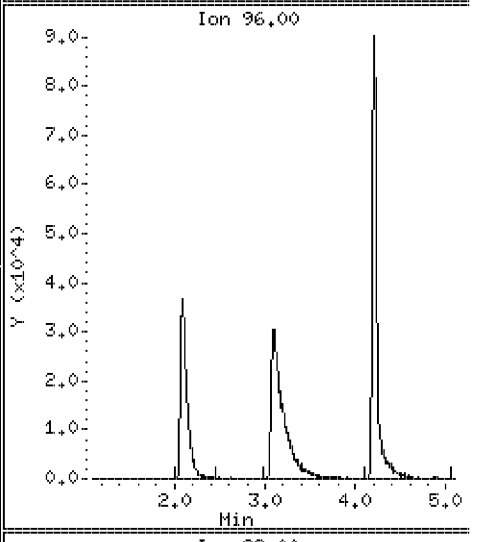


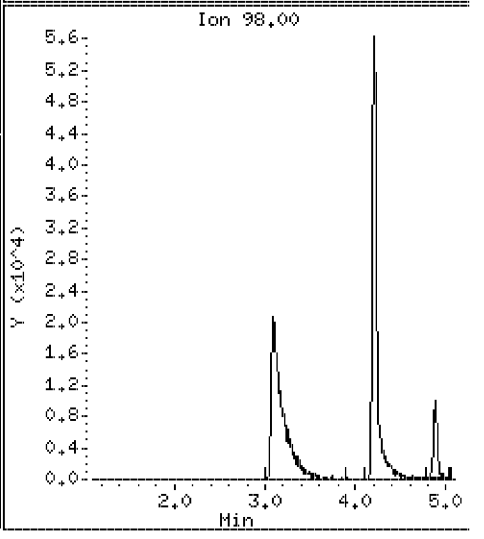












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

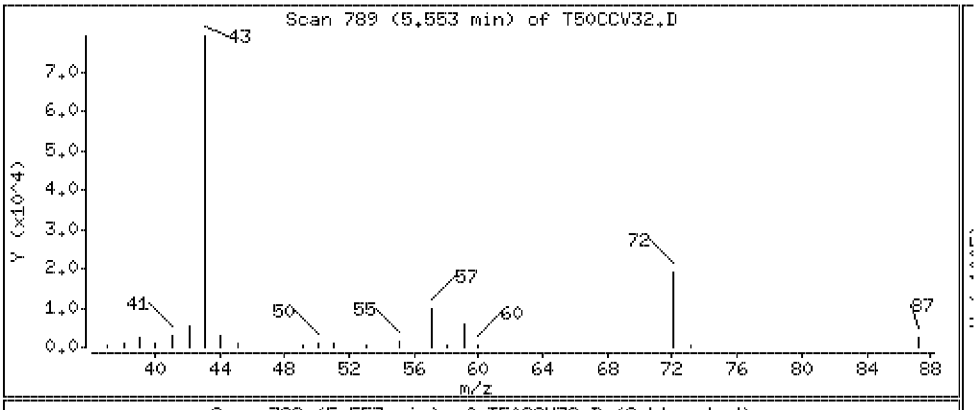
Client ID: 040408CCVA32 Instrument: vms03.i

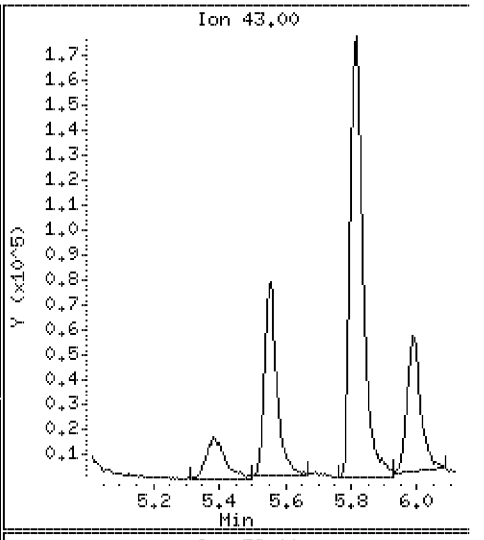
Sample Info: 040408CCVA32

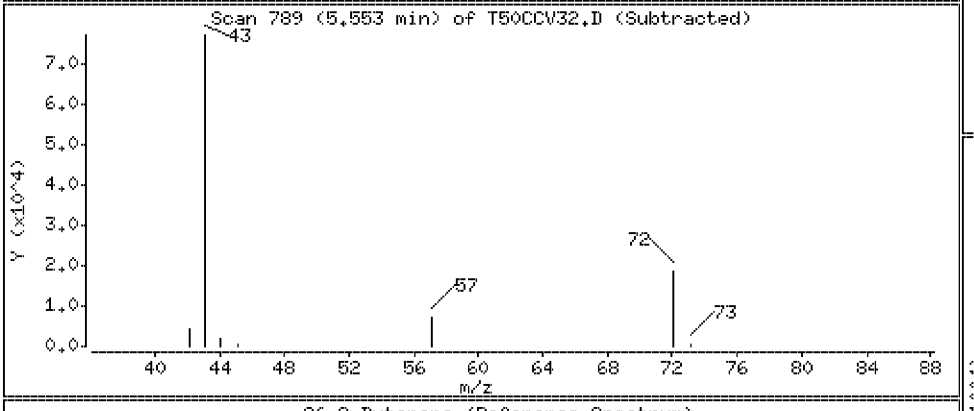
Purge Volume: 5.0 Operator:

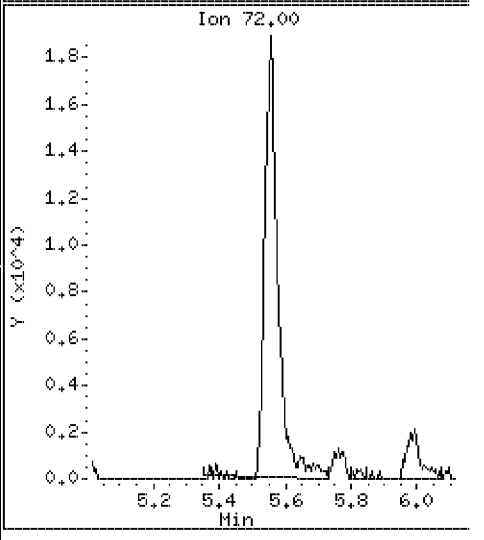
Column phase: DB-624 Column diameter: 0.18

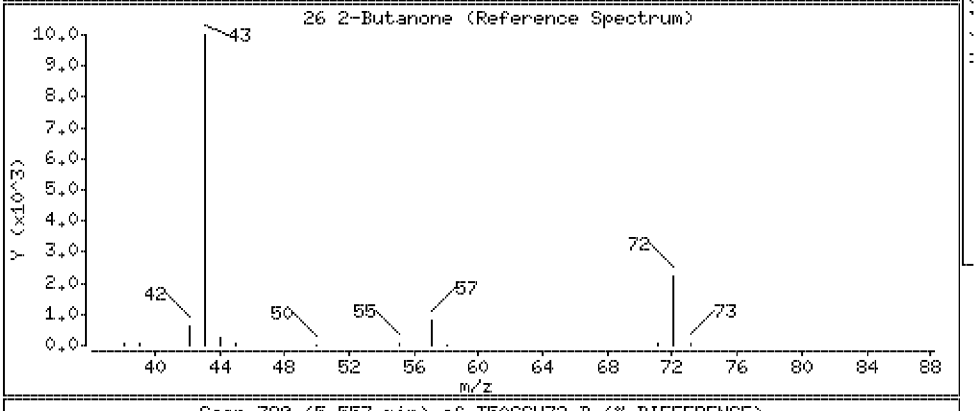
26 2-Butanone Concentration: 88.2 ug/l

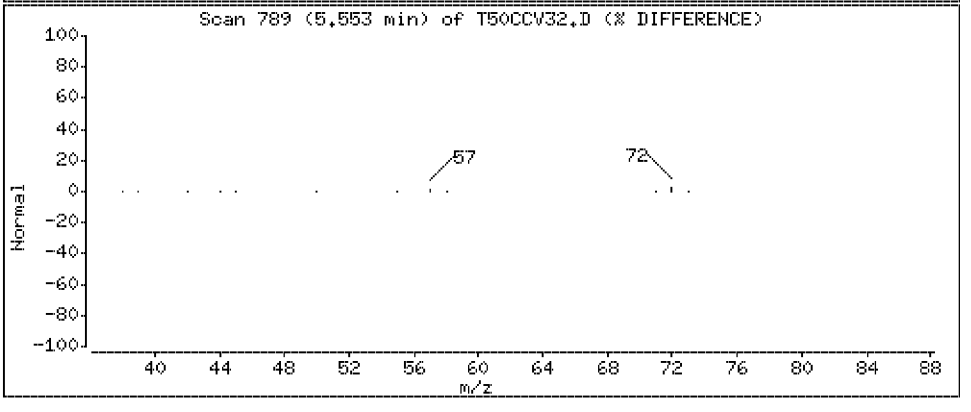












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

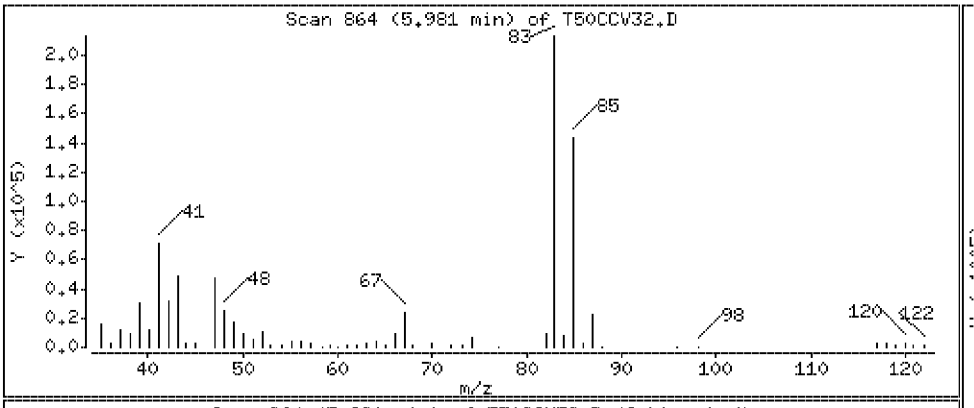
Operator:

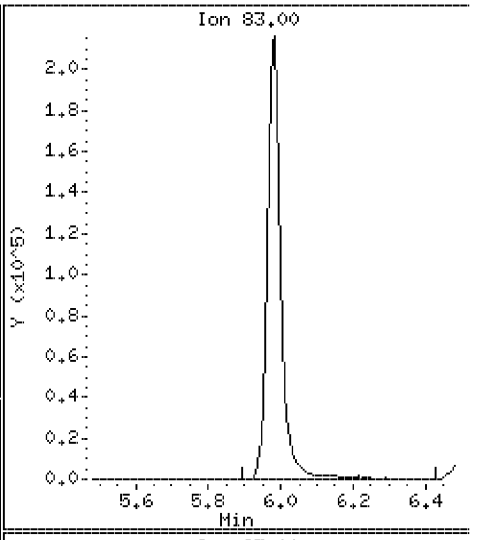
Column phase: DB-624

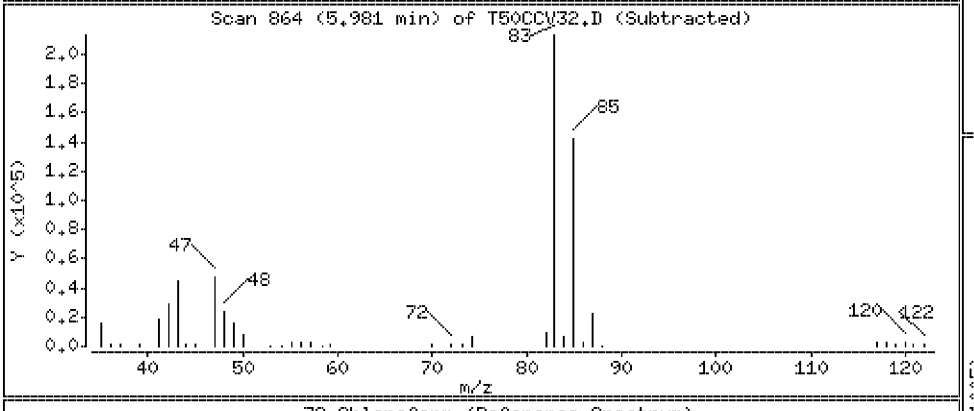
Column diameter: 0.18

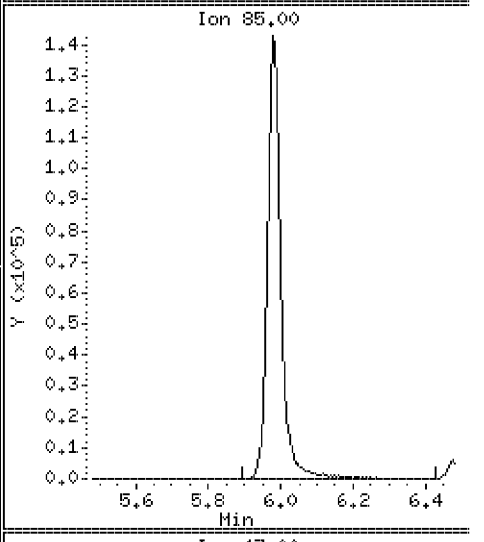
32 Chloroform

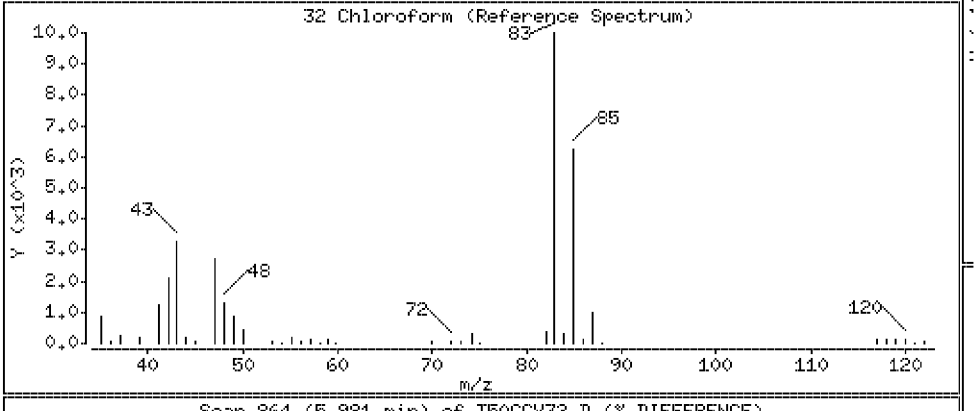
Concentration: 52.8 ug/l

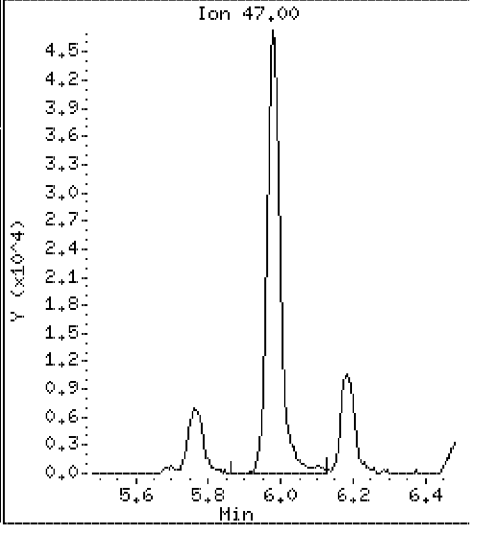


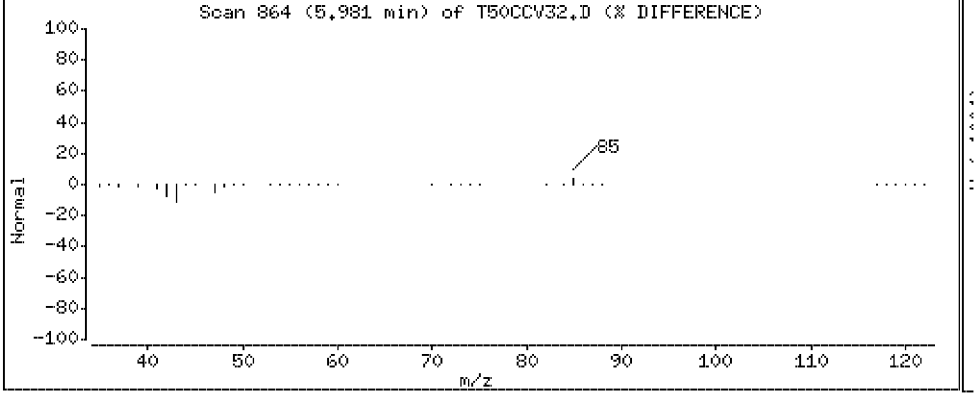












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

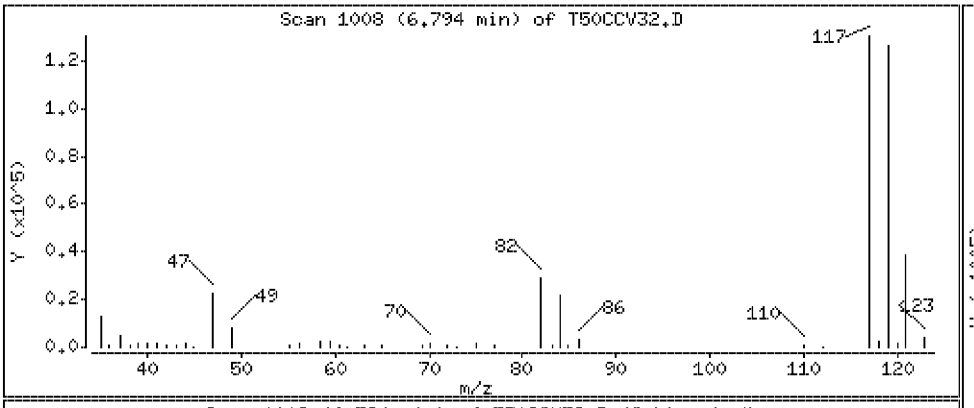
Operator:

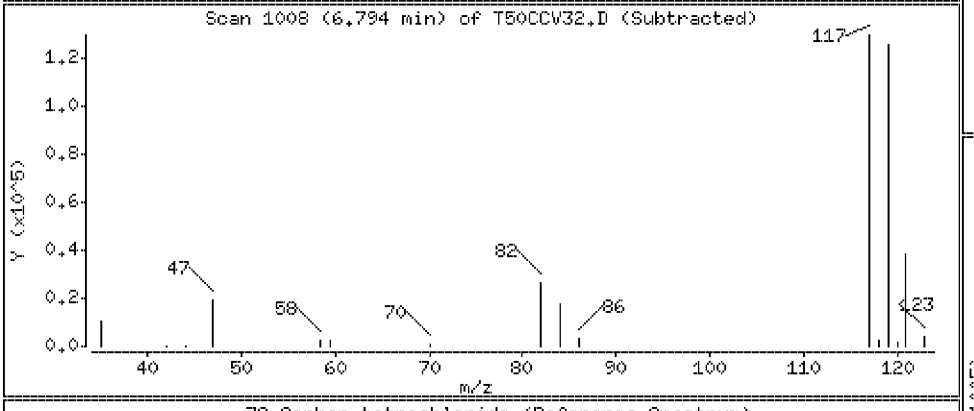
Column phase: DB-624

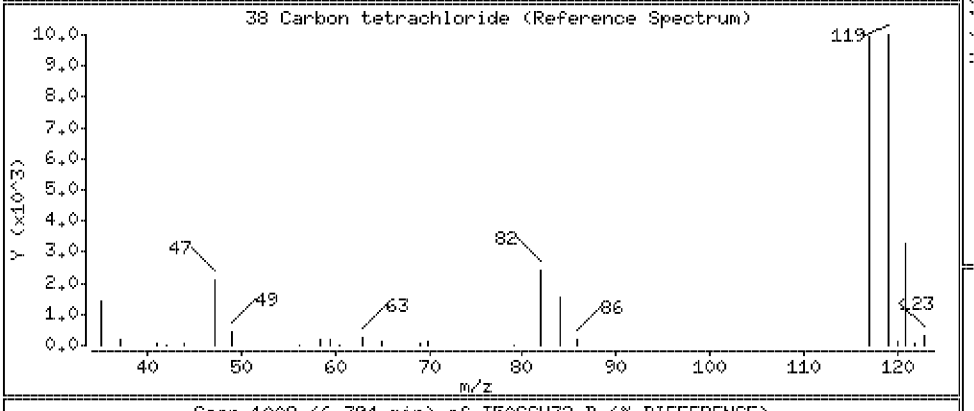
Column diameter: 0.18

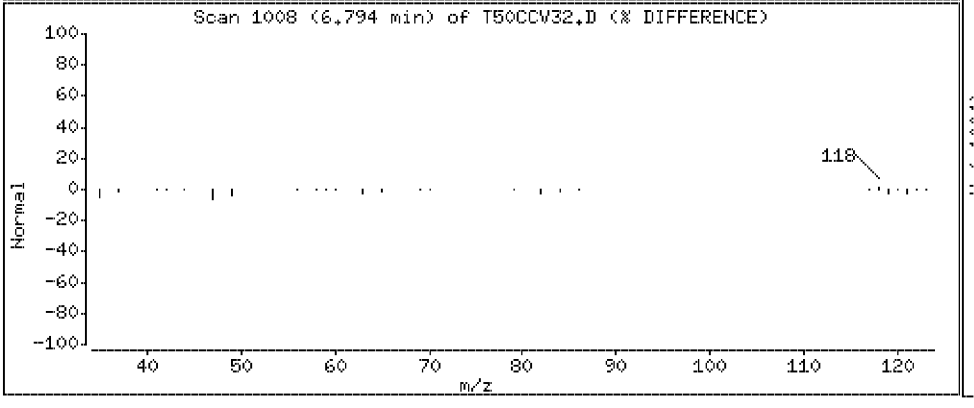
38 Carbon tetrachloride

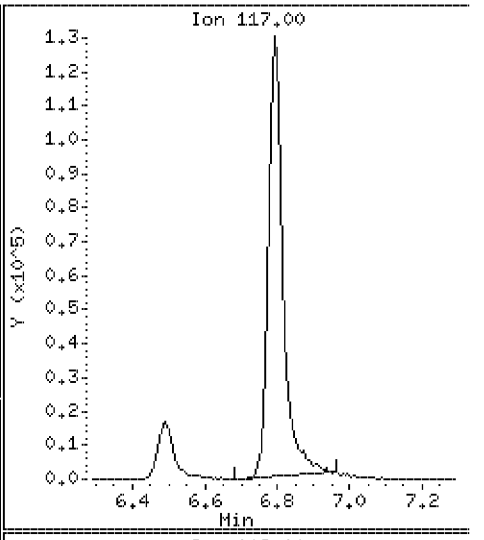
Concentration: 57.0 ug/l

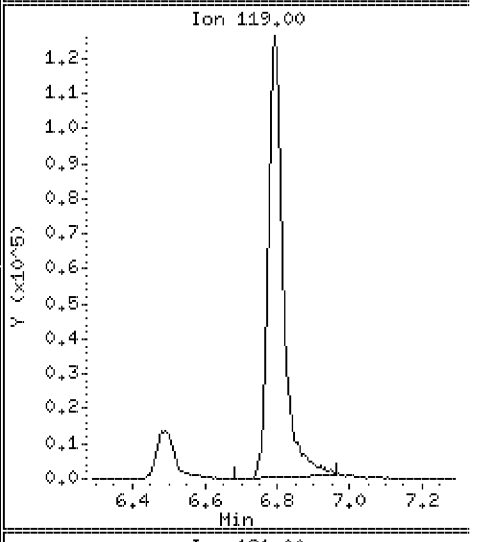


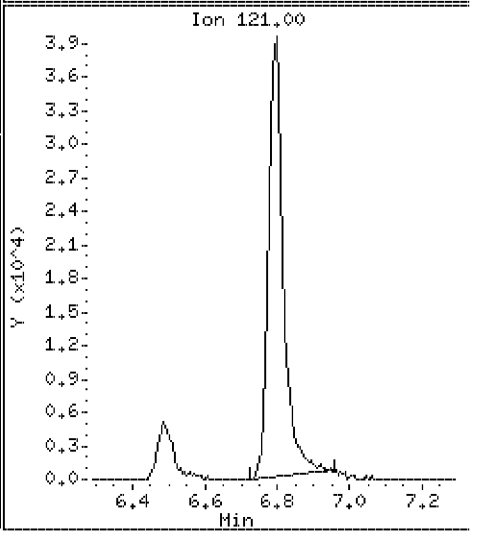












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

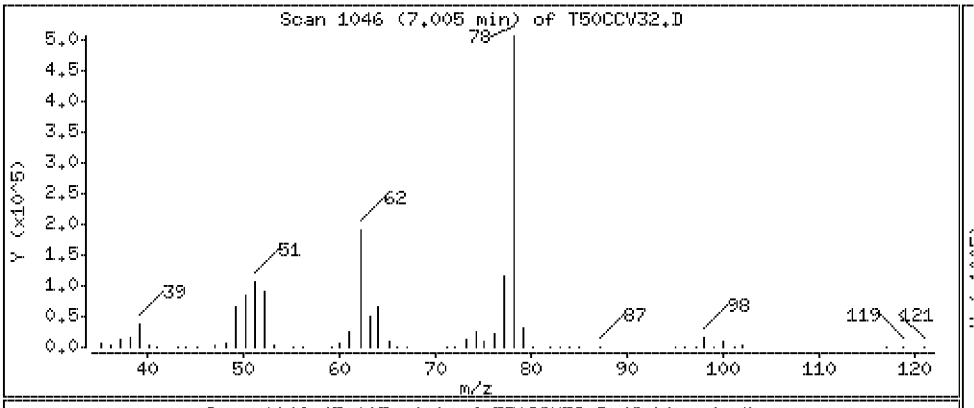
Operator:

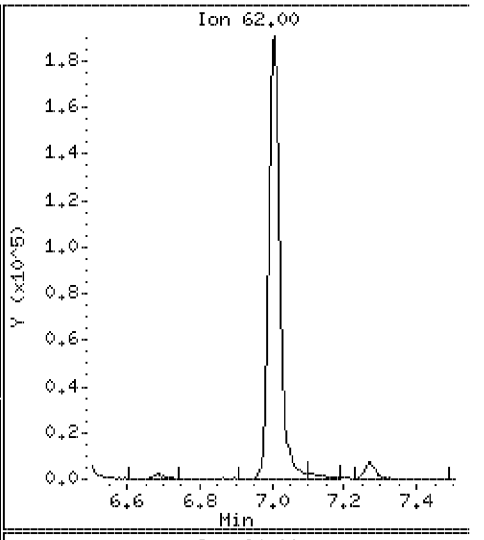
Column phase: DB-624

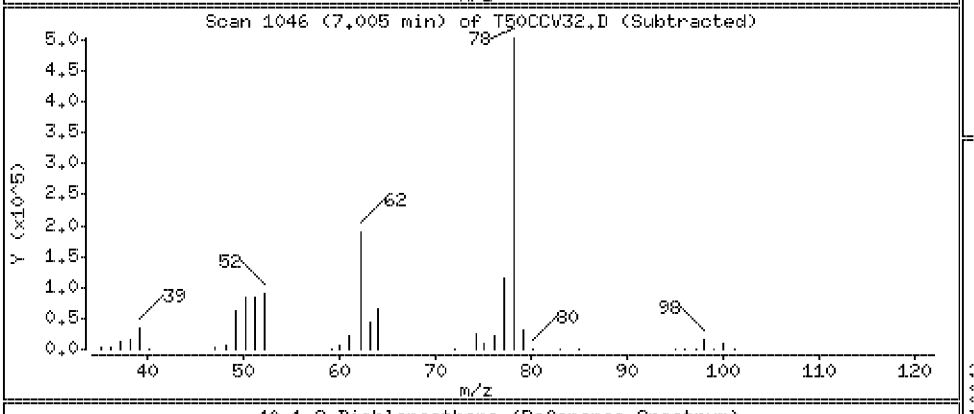
Column diameter: 0.18

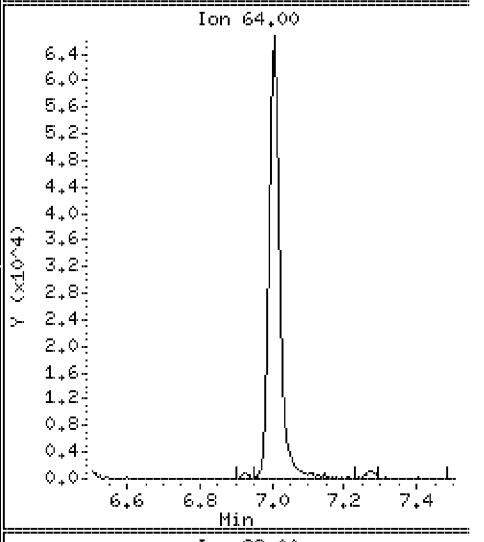
40 1,2-Dichloroethane

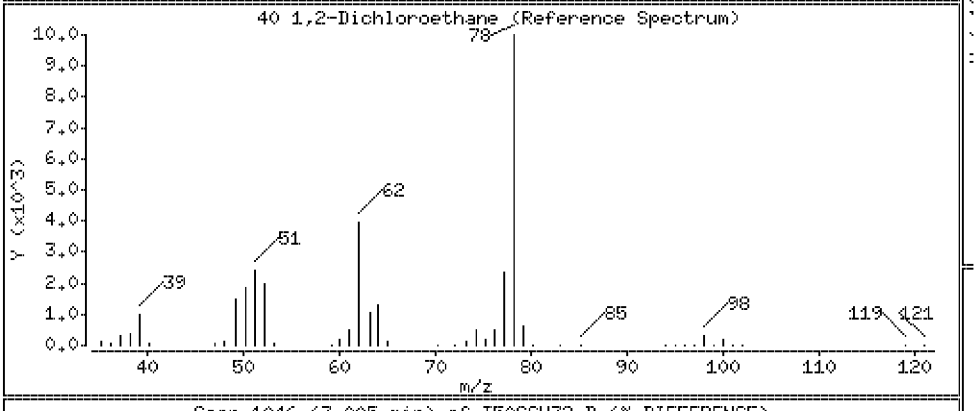
Concentration: 52.1 ug/l

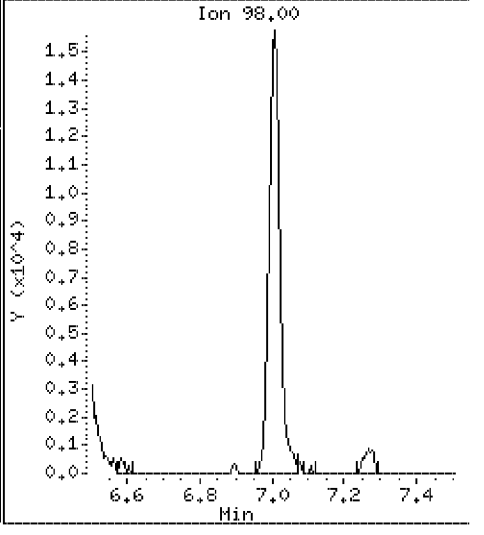


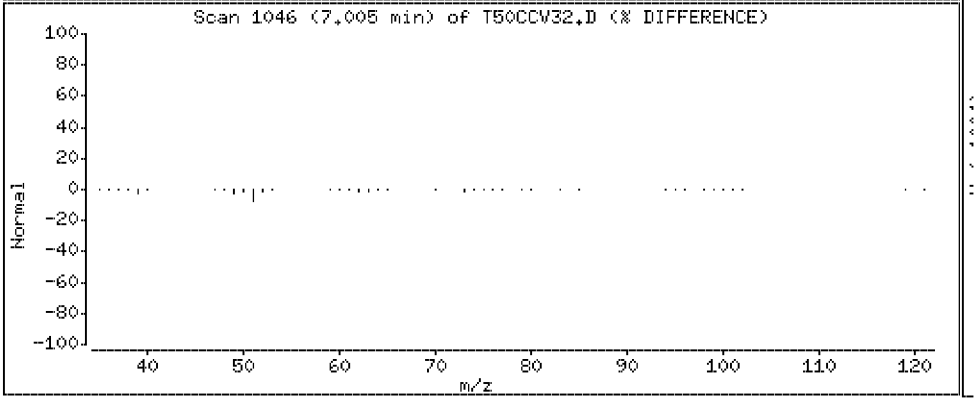












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

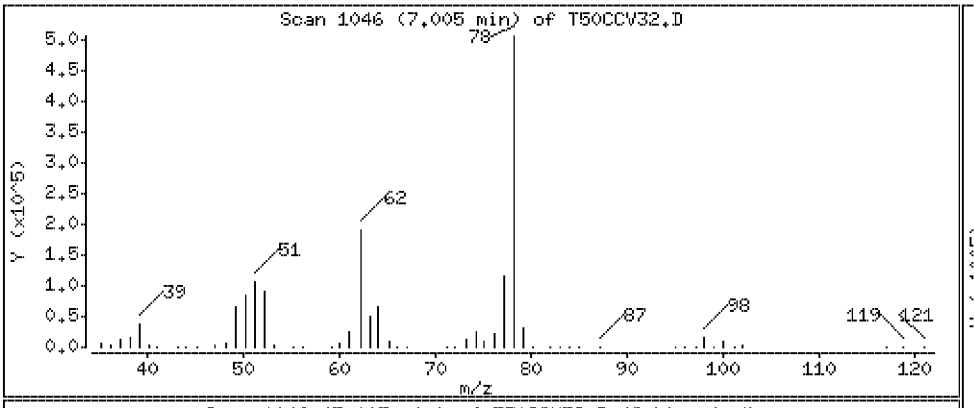
Operator:

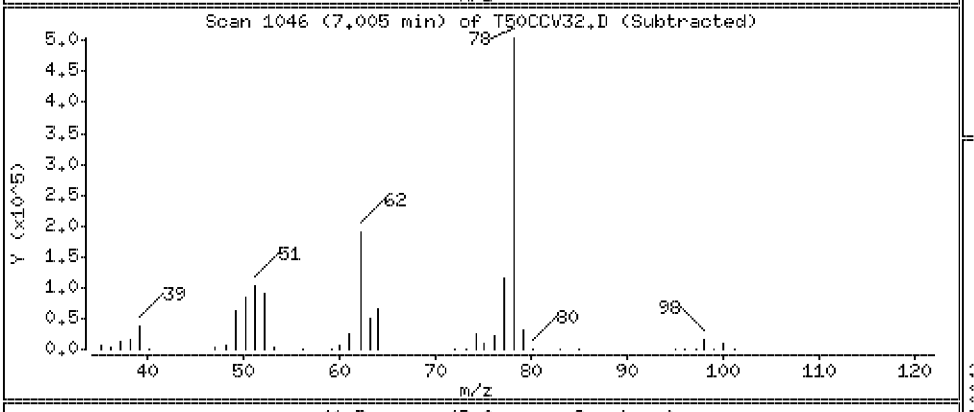
Column phase: DB-624

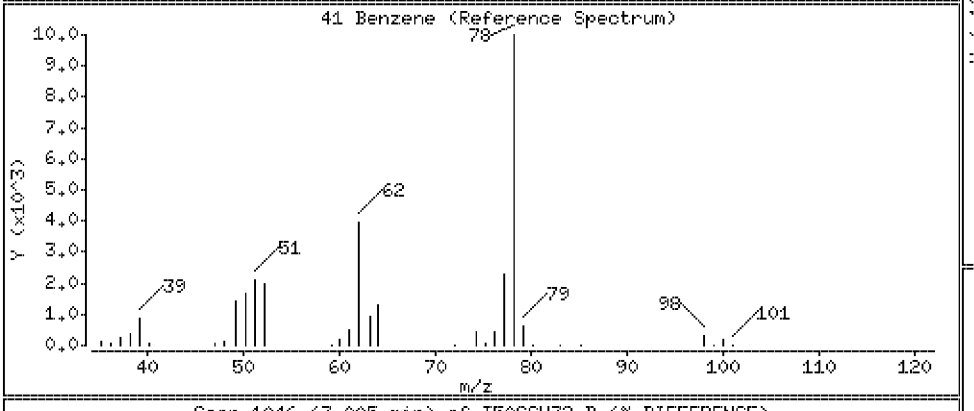
Column diameter: 0.18

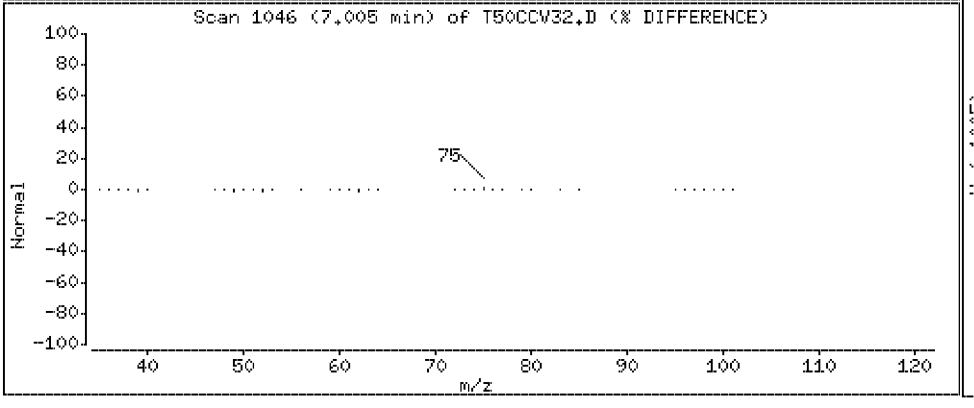
41 Benzene

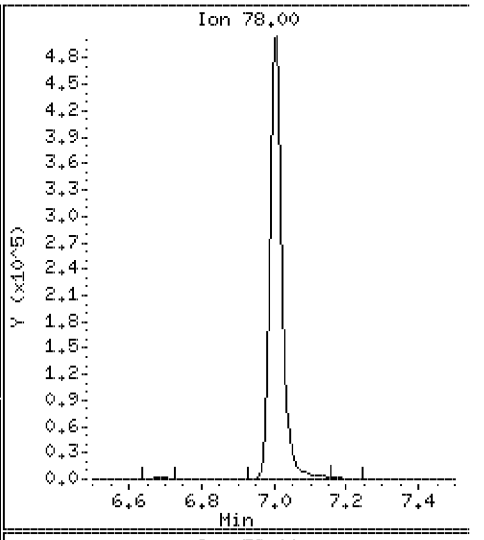
Concentration: 49.4 ug/l

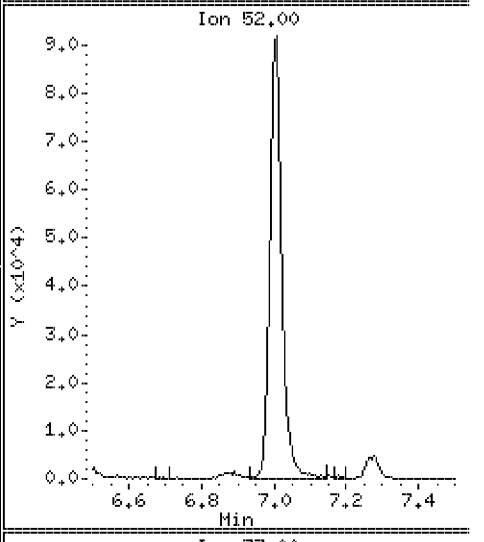


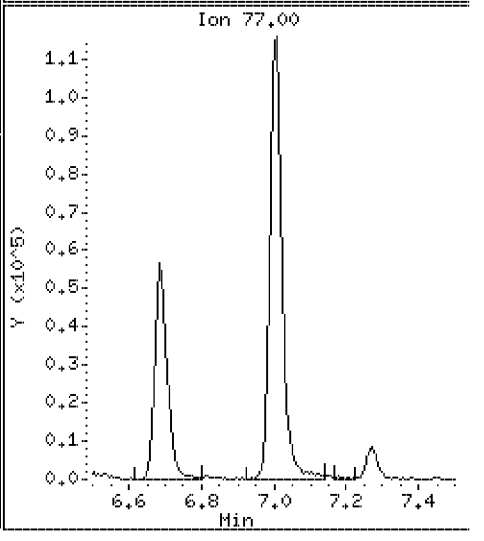












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

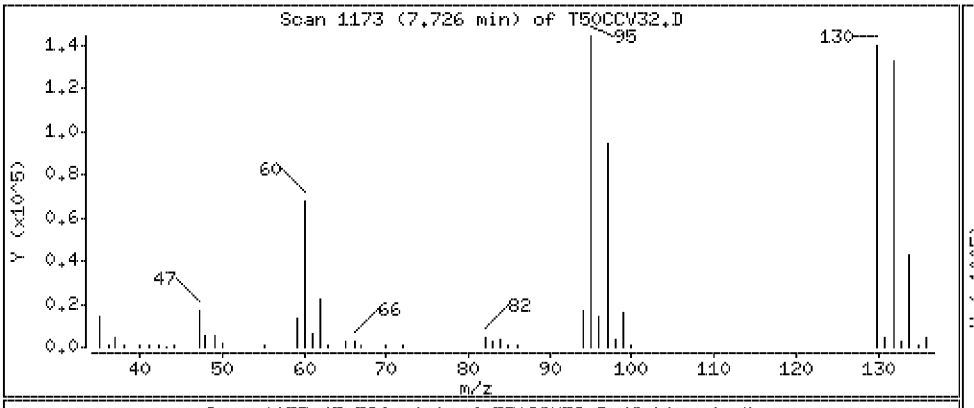
Operator:

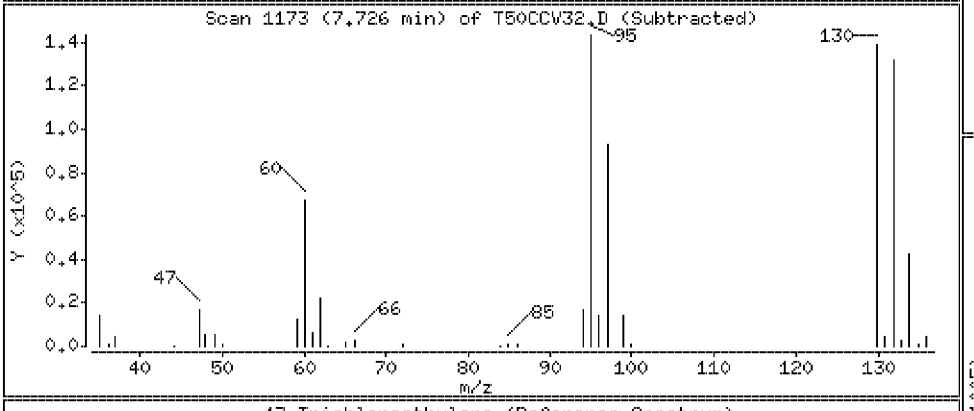
Column phase: DB-624

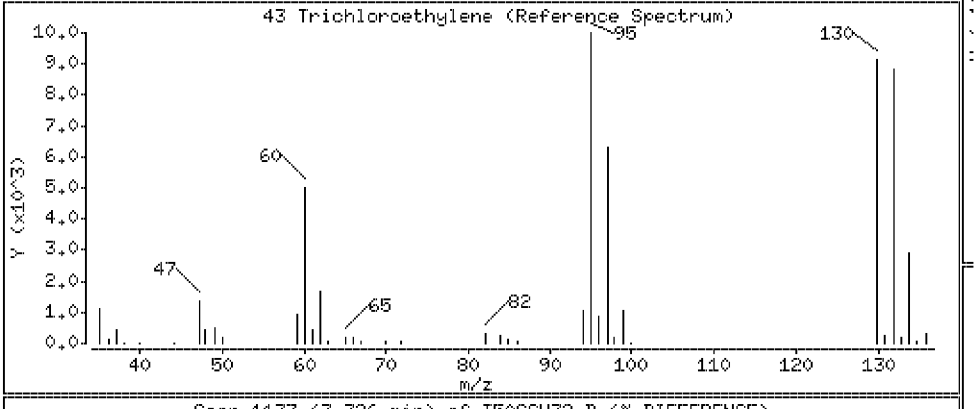
Column diameter: 0.18

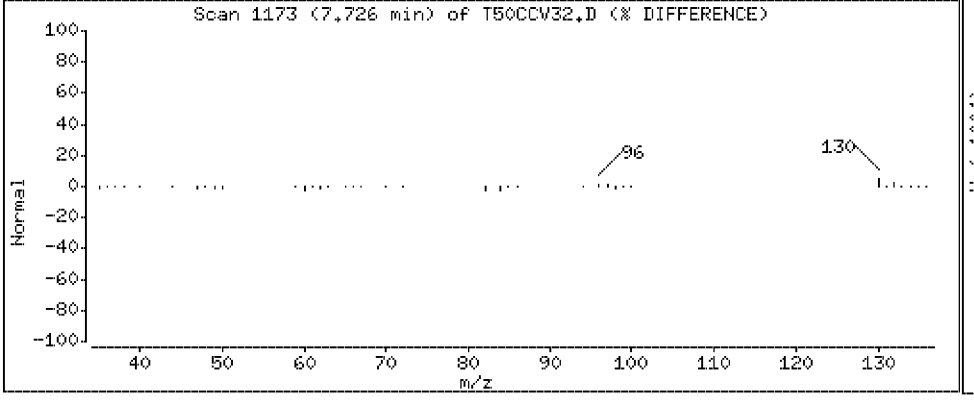
43 Trichloroethylene

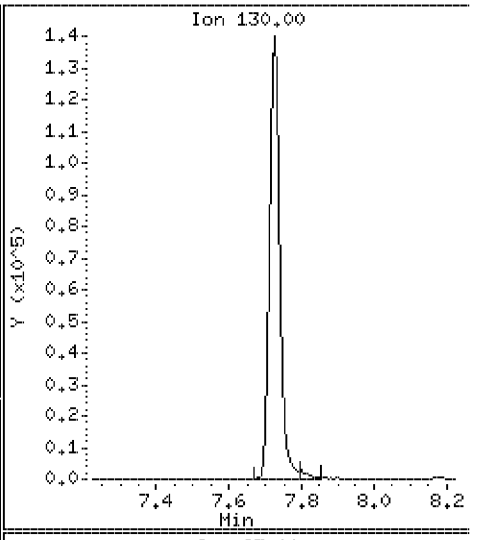
Concentration: 51.8 ug/l

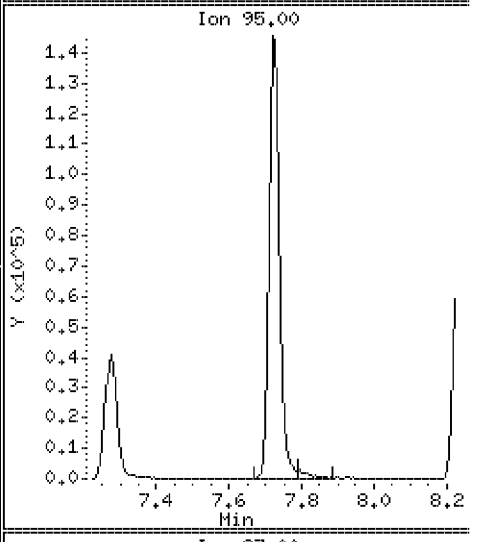


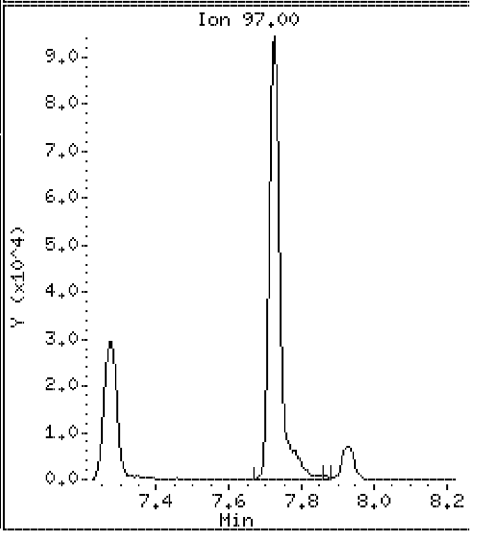












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

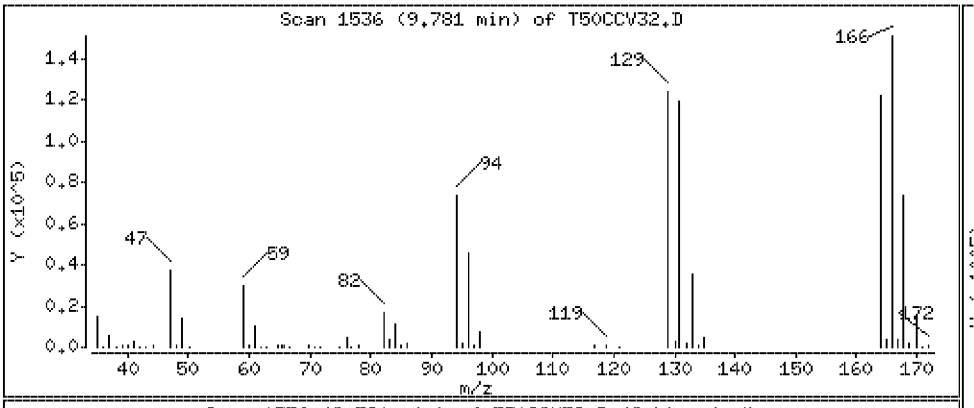
Operator:

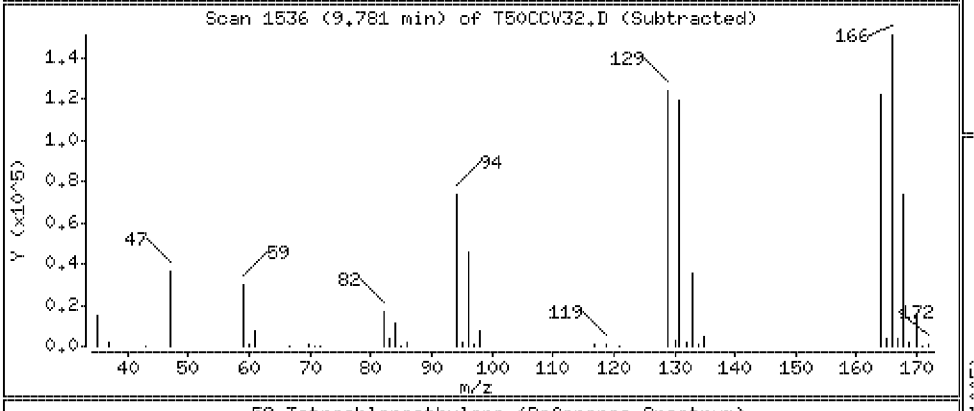
Column phase: DB-624

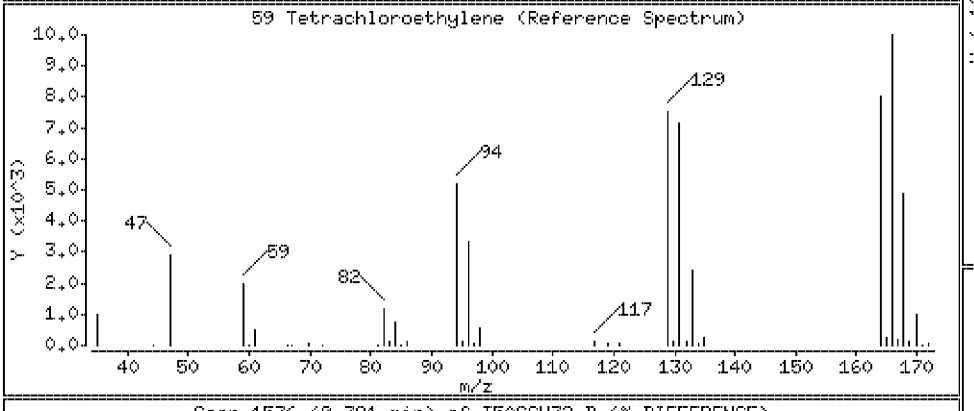
Column diameter: 0.18

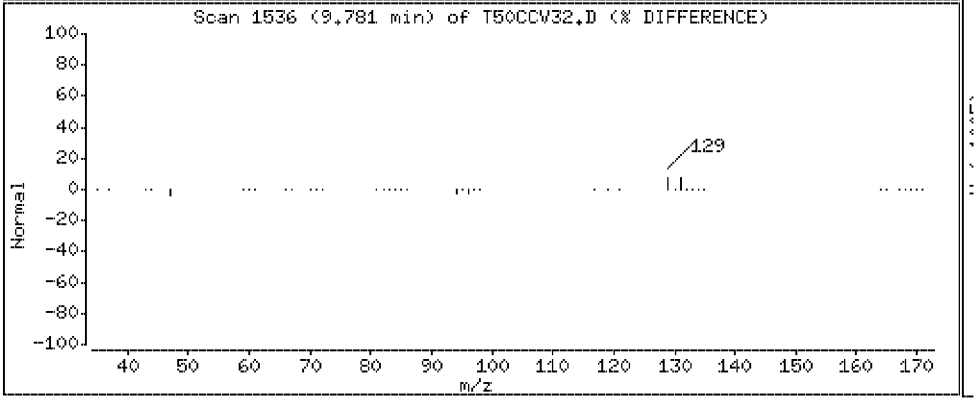
59 Tetrachloroethylene

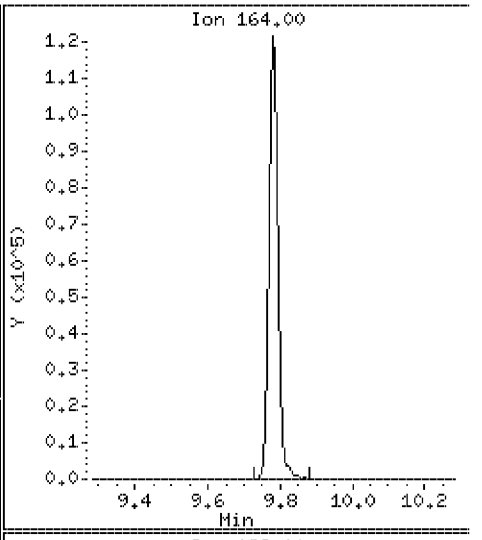
Concentration: 54.0 ug/l

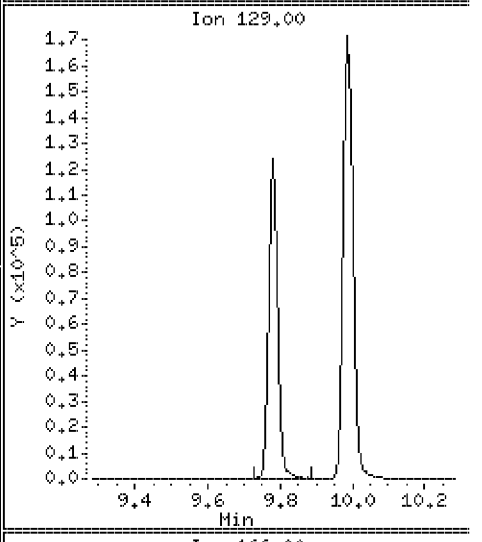


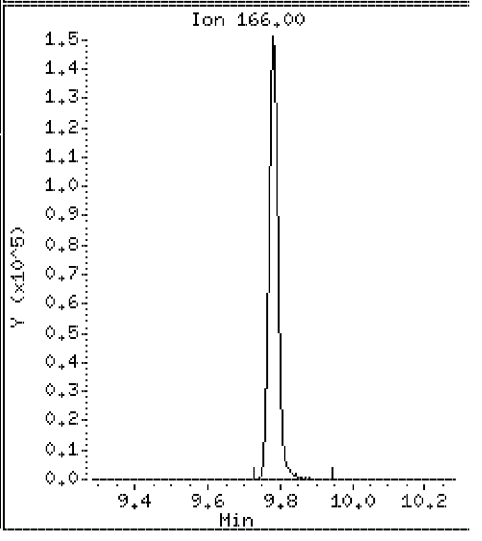












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

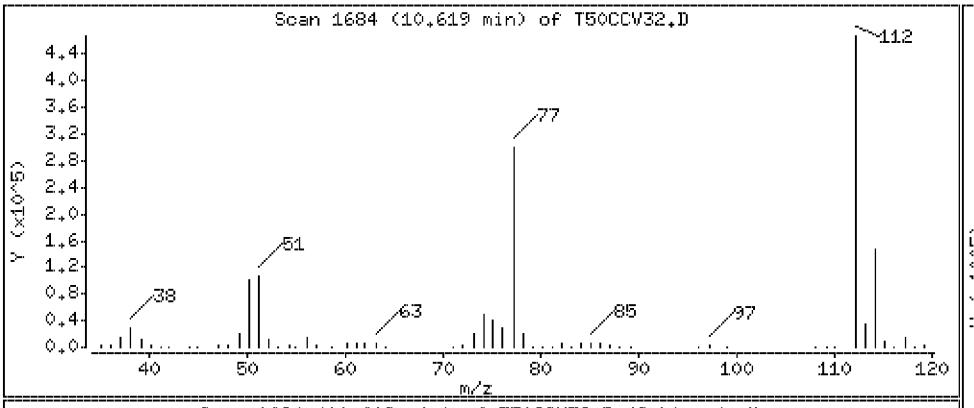
Operator:

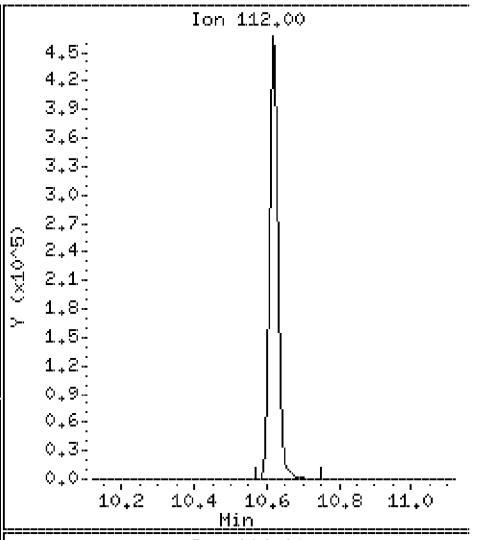
Column phase: DB-624

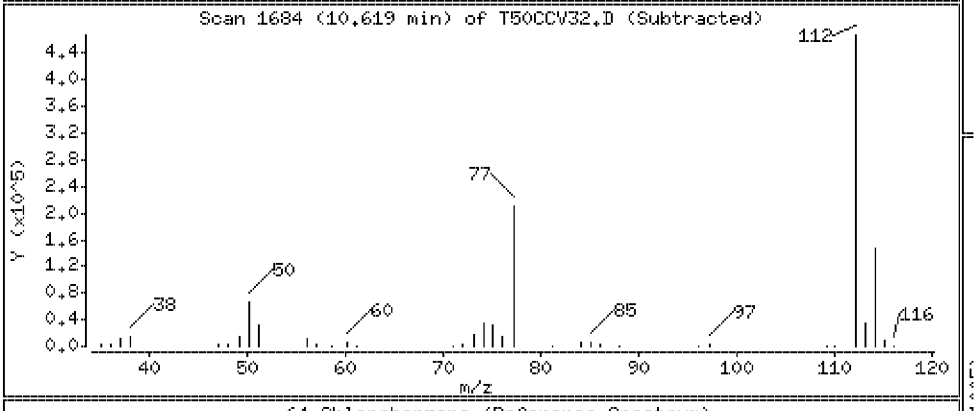
Column diameter: 0.18

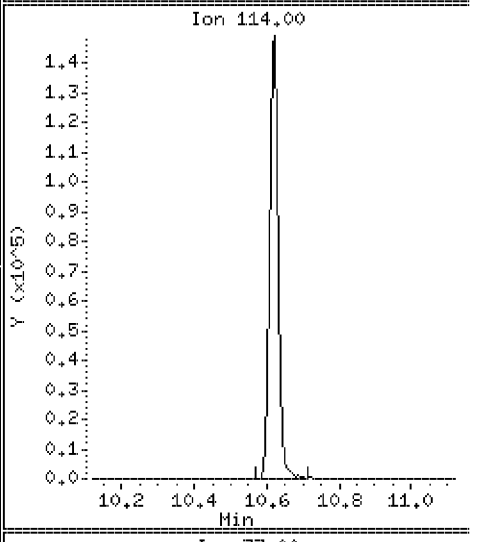
64 Chlorobenzene

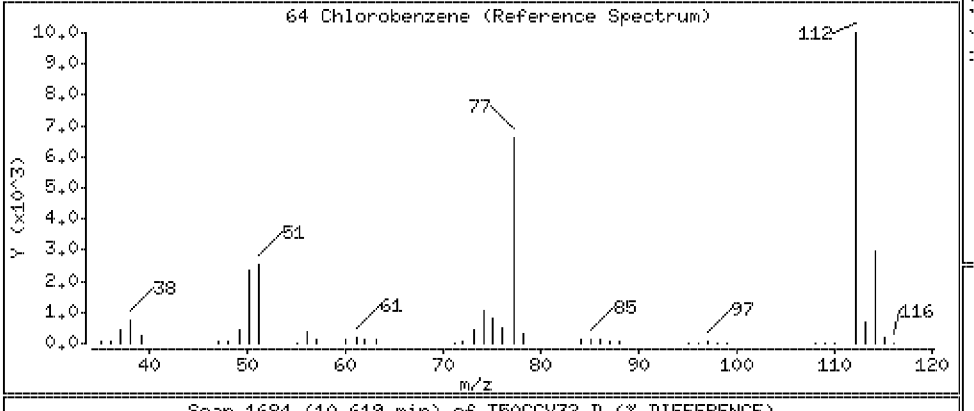
Concentration: 49.8 ug/l

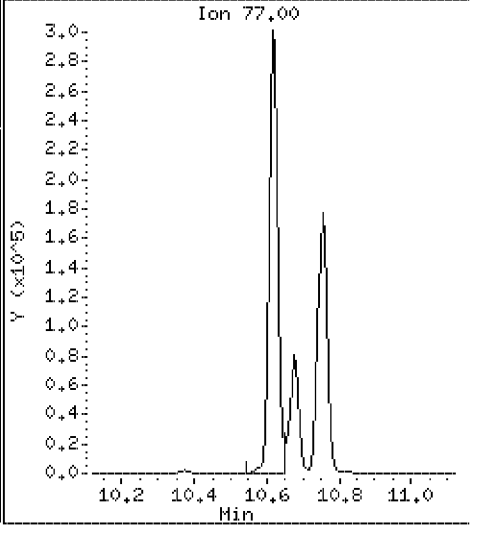


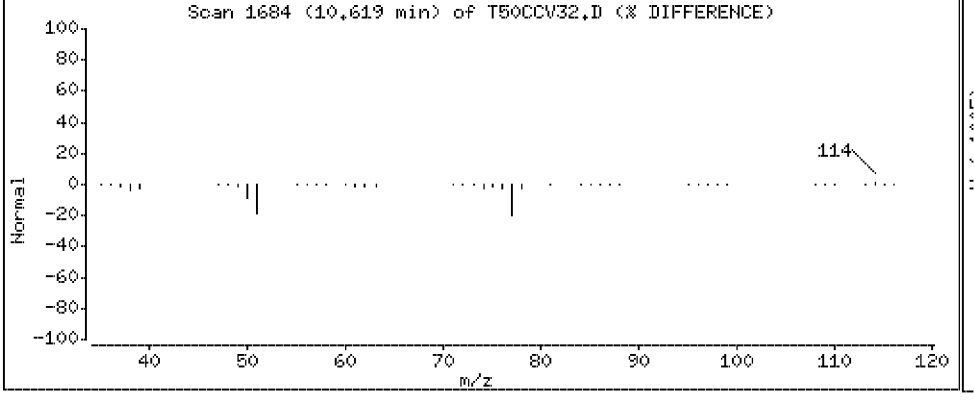












Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\T50CCV32.D

Date : 04-APR-2008 06:42

Client ID: 040408CCVA32

Instrument: vms03.i

Sample Info: 040408CCVA32

Purge Volume: 5.0

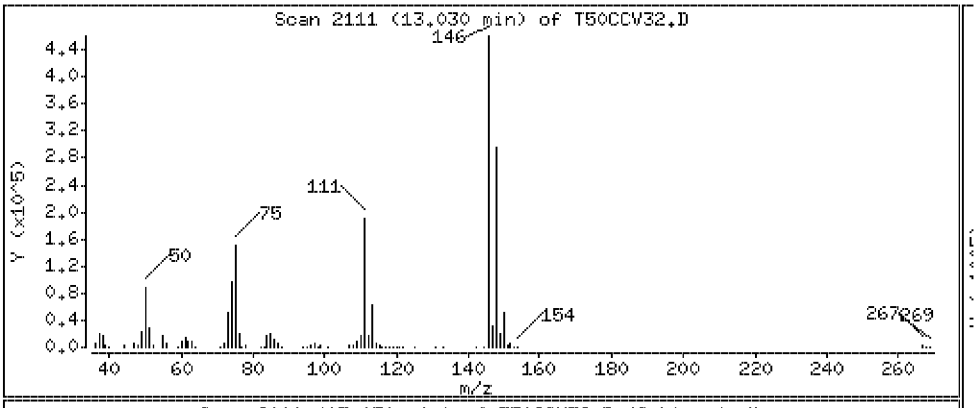
Operator:

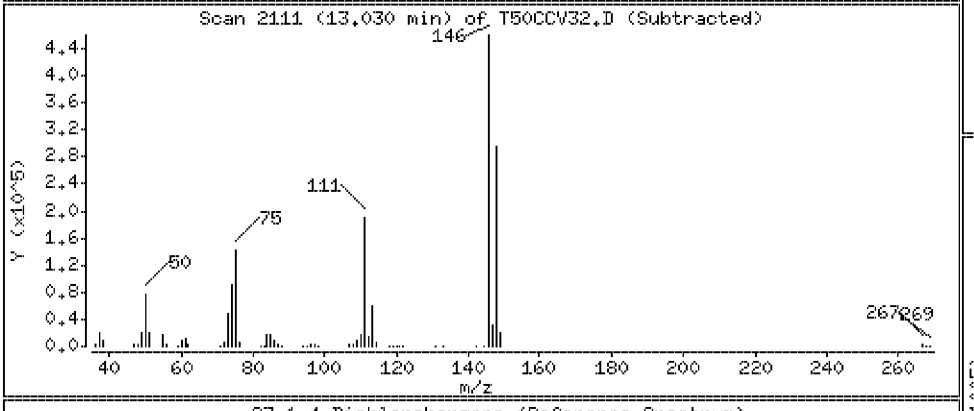
Column phase: DB-624

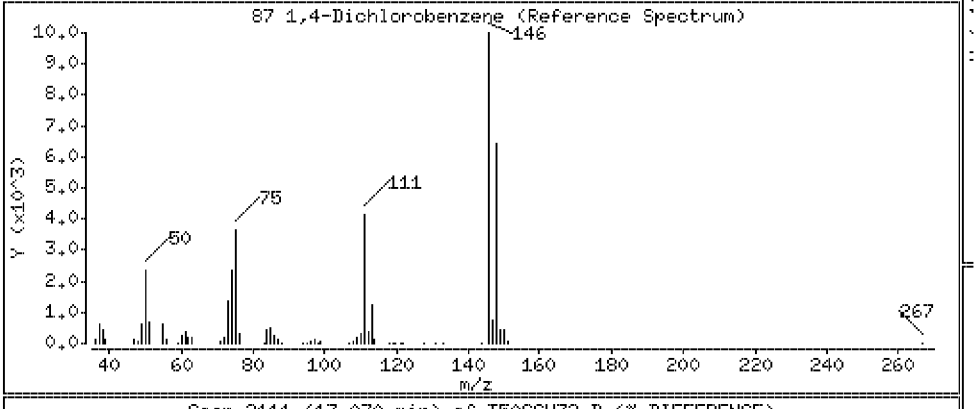
Column diameter: 0.18

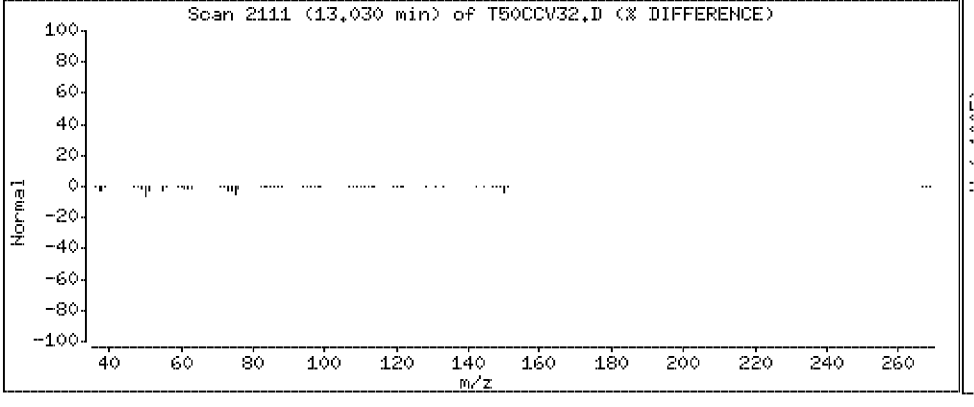
87 1,4-Dichlorobenzene

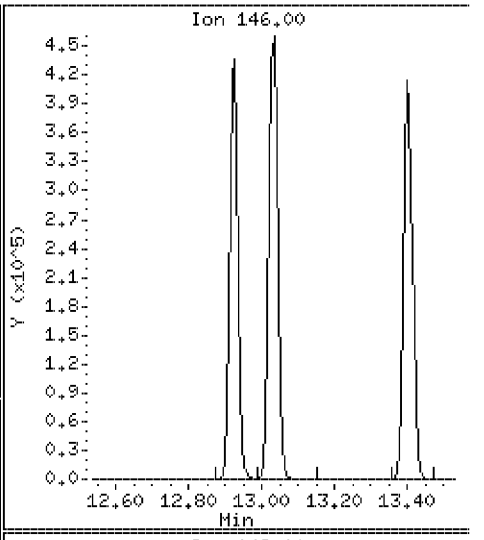
Concentration: 49.4 ug/l

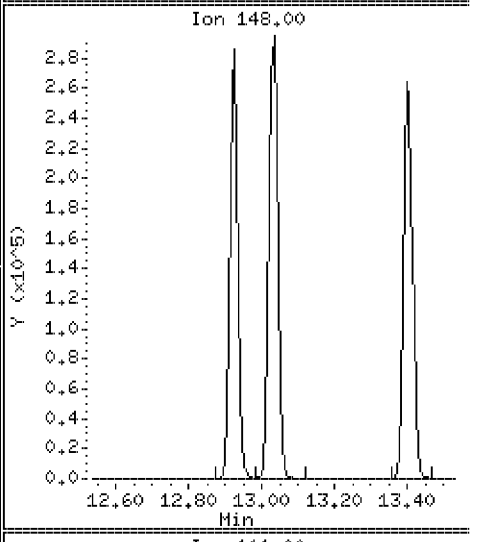


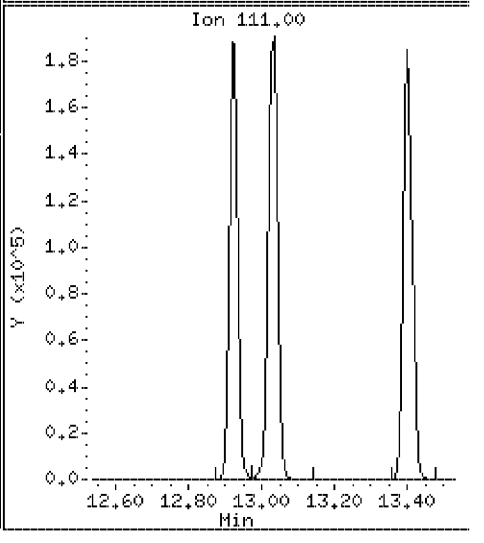












PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408T.b\TLCS32.D
Lab Smp Id: 040408LCSA32 Client Smp ID: 040408LCSA32
Inj Date : 04-APR-2008 07:06
Operator : Inst ID: vms03.i
Smp Info : 040408LCSA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Meth Date : 04-Apr-2008 11:24 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: tclp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	0.50000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
6	Vinyl Chloride	62	1.680	1.676	(0.231)	93694	19.8338	198
13	1,1-Dichloroethene	61	3.101	3.097	(0.426)	207504	22.1087	221
26	2-Butanone	43	5.554	5.564	(0.764)	140183	56.2019	562
32	Chloroform	83	5.981	5.979	(0.822)	242241	21.9757	220
$ 34	DIBROMOFLUOROMETHANE (surr)	113	6.266	6.264	(0.861)	270148	49.9017	49.9
38	Carbon tetrachloride	117	6.794	6.789	(0.934)	157344	23.6871	237
$ 39	1,2-DICHLOROETHANE d4 (surr)	102	6.894	6.891	(0.948)	65256	51.6331	51.6(Q)
40	1,2-Dichloroethane	62	7.007	7.006	(0.963)	180465	21.8049	218
41	Benzene	78	7.005	7.001	(0.963)	521730	20.9684	210
* 42	FLUOROBENZENE (IS)	96	7.274	7.272	(1.000)	1067018	50.0000	
43	Trichloroethylene	130	7.725	7.722	(1.062)	122209	21.7726	218
$ 53	TOLUENE d8 (surr)	98	9.026	9.025	(1.241)	1068677	49.8581	49.8
59	Tetrachloroethylene	164	9.781	9.780	(0.924)	95286	22.8989	229
* 63	CHLOROBENZENE d5 (IS)	117	10.581	10.580	(1.000)	761205	50.0000	
64	Chlorobenzene	112	10.620	10.620	(1.004)	349748	21.5456	215
$ 74	4-BROMOFLUOROBENZENE (surr)	95	11.808	11.808	(0.908)	448306	48.7982	48.8
* 86	1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	429549	50.0000	
87	1,4-Dichlorobenzene	146	13.031	13.032	(1.002)	308490	21.6317	216

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

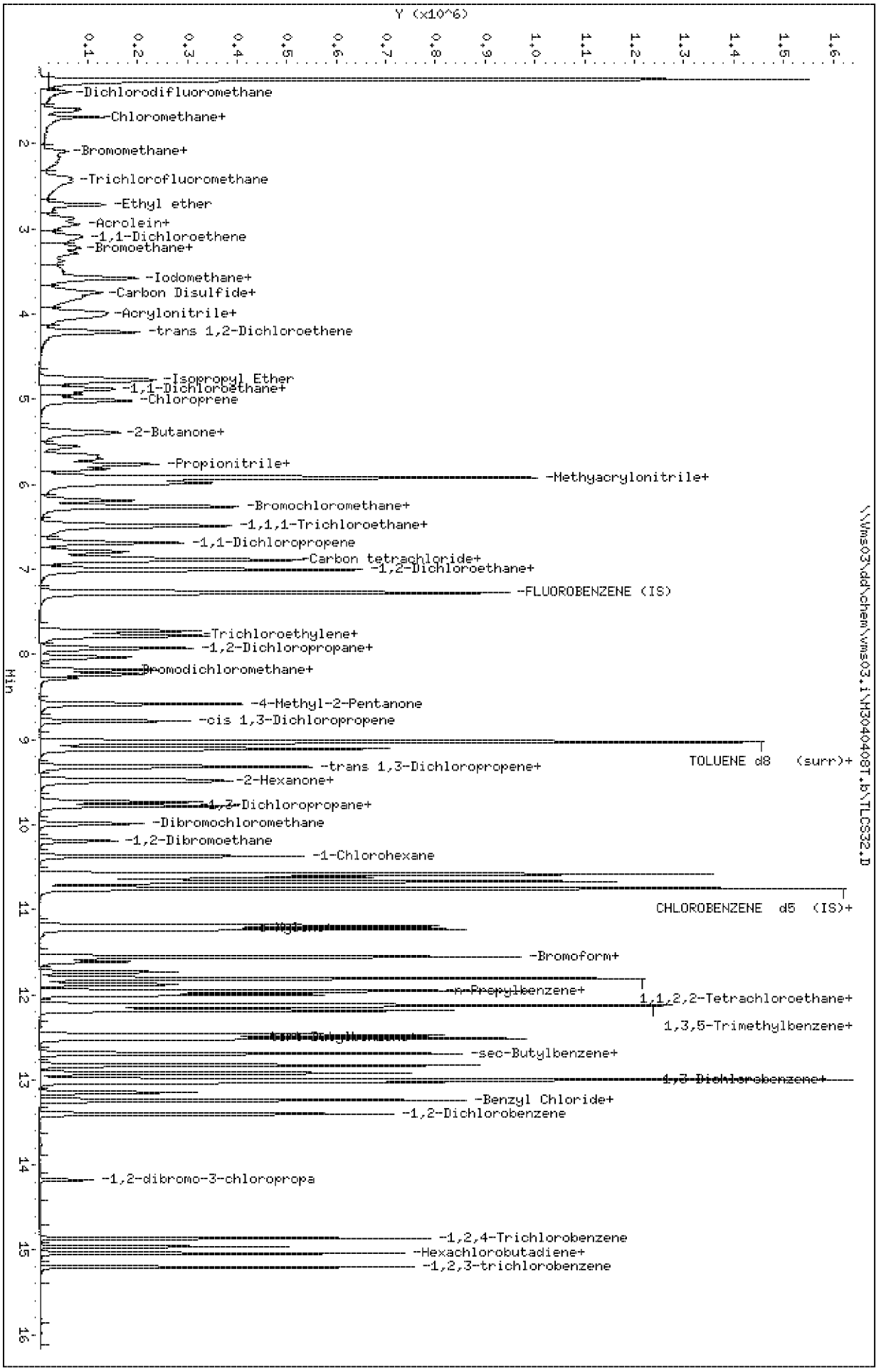
Instrument ID: vms03.i
Lab File ID: TLCS32.D
Lab Smp Id: 040408LCSA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Misc Info:

Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 040408LCSA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1067018	-8.50
63 CHLOROBENZENE d5	822247	411124	1644494	761205	-7.42
86 1,4-DICHLOROBENZE	457500	228750	915000	429549	-6.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.27	0.05
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\TLCS32.D
Date : 04-APR-2008 07:06
Client ID: 040408LCSA32
Sample Info: 040408LCSA32
Purge Volume: 0.5
Column phase: DB-624

Instrument: vms03.i
Operator:
Column diameter: 0.18

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408T.b\TBLK32.D
Lab Smp Id: 040408TBLKA32 Client Smp ID: 040408TBLKA32
Inj Date : 04-APR-2008 08:39
Operator : Inst ID: vms03.i
Smp Info : 040408TBLKA32
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Meth Date : 04-Apr-2008 11:25 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: tclp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	0.50000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.267	6.264	(0.861)	263172	49.6363	49.6
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.894	6.891	(0.948)	63657	51.4281	51.4(Q)
* 42 FLUOROBENZENE (IS)	96	7.275	7.272	(1.000)	1045022	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	1030753	49.1010	49.1
* 63 CHLOROBENZENE d5 (IS)	117	10.581	10.580	(1.000)	752460	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.908)	418745	47.9362	47.9
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	12.999	12.999	(1.000)	408440	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: TBLK32.D
Lab Smp Id: 040408TBLKA32
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Misc Info:

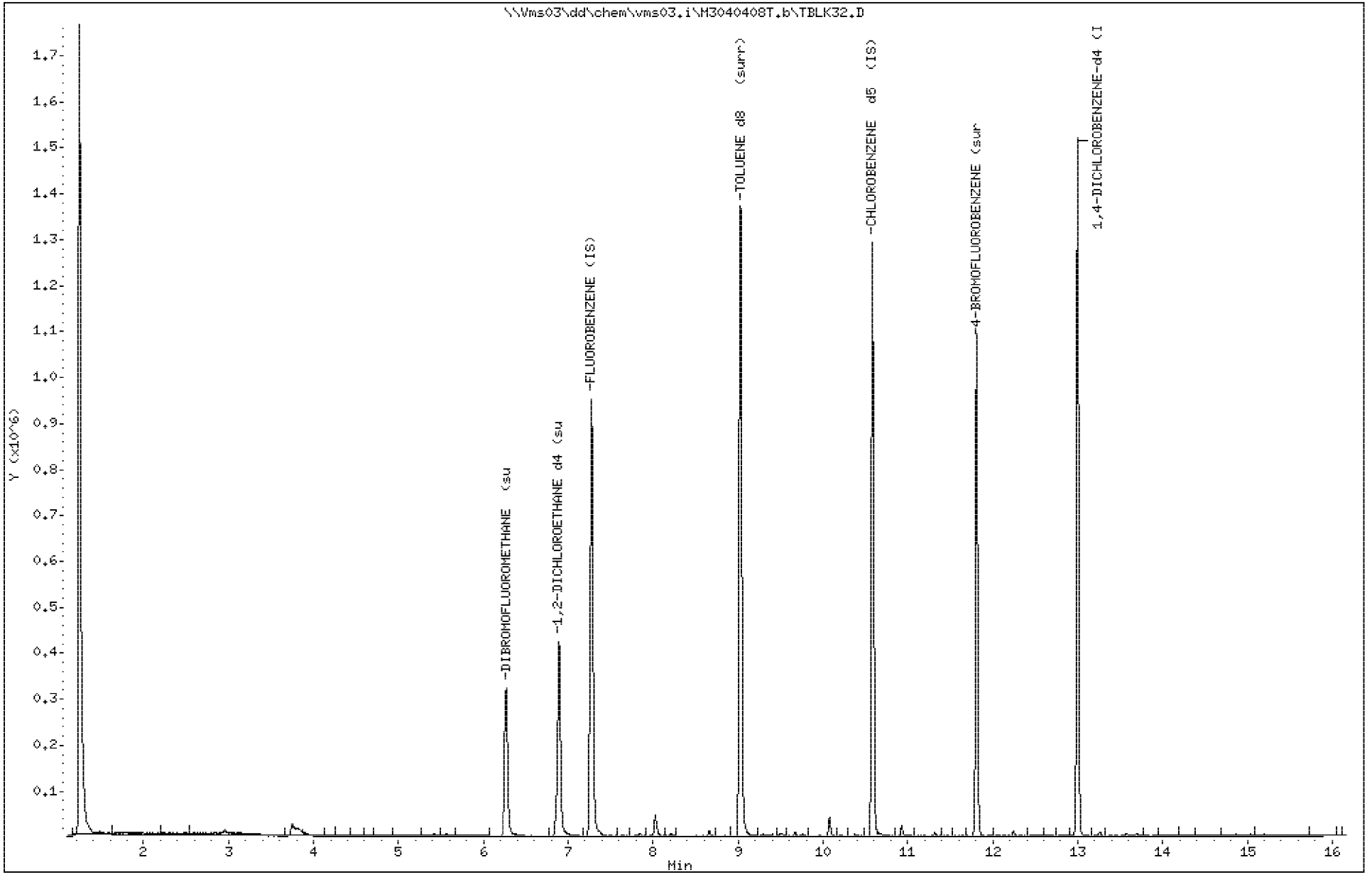
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: 040408TBLKA32
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1045022	-10.39
63 CHLOROBENZENE d5	822247	411124	1644494	752460	-8.49
86 1,4-DICHLOROBENZE	457500	228750	915000	408440	-10.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.06
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.02
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\TBLK32.D
Date : 04-APR-2008 08:39
Client ID: 040408TBLKA32
Instrument: vms03.i
Sample Info: 040408TBLKA32
Purge Volume: 0.5
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-466
2508946

PEL Laboratories, Inc.

Data file : \\Vms03\dd\chem\vms03.i\M3040408T.b\94604.D
Lab Smp Id: 250894604 Client Smp ID: SLOPUI-033108
Inj Date : 04-APR-2008 09:26
Operator : Inst ID: vms03.i
Smp Info : 250894604;2508946;1;
Misc Info :
Comment :
Method : \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Meth Date : 04-Apr-2008 11:25 mstephens Quant Type: ISTD
Cal Date : 25-MAR-2008 09:47 Cal File: 2PPB.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: tclp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	5.000	Final Volume
Vo	0.50000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
$ 34 DIBROMOFLUOROMETHANE (surr)	113	6.269	6.264	(0.862)	266053	51.5258	51.5
$ 39 1,2-DICHLOROETHANE d4 (surr)	102	6.895	6.891	(0.948)	63656	52.8068	52.8(Q)
* 42 FLUOROBENZENE (IS)	96	7.276	7.272	(1.000)	1017721	50.0000	
$ 53 TOLUENE d8 (surr)	98	9.027	9.025	(1.241)	1034912	50.6216	50.6
* 63 CHLOROBENZENE d5 (IS)	117	10.582	10.580	(1.000)	741416	50.0000	
$ 74 4-BROMOFLUOROBENZENE (surr)	95	11.809	11.808	(0.908)	424435	48.6584	48.6
* 86 1,4-DICHLOROBENZENE-d4 (IS)	152	13.000	12.999	(1.000)	407845	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PEL Laboratories, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: vms03.i
Lab File ID: 94604.D
Lab Smp Id: 250894604
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: \\Vms03\dd\chem\vms03.i\M3040408T.b\8260A.m
Misc Info:

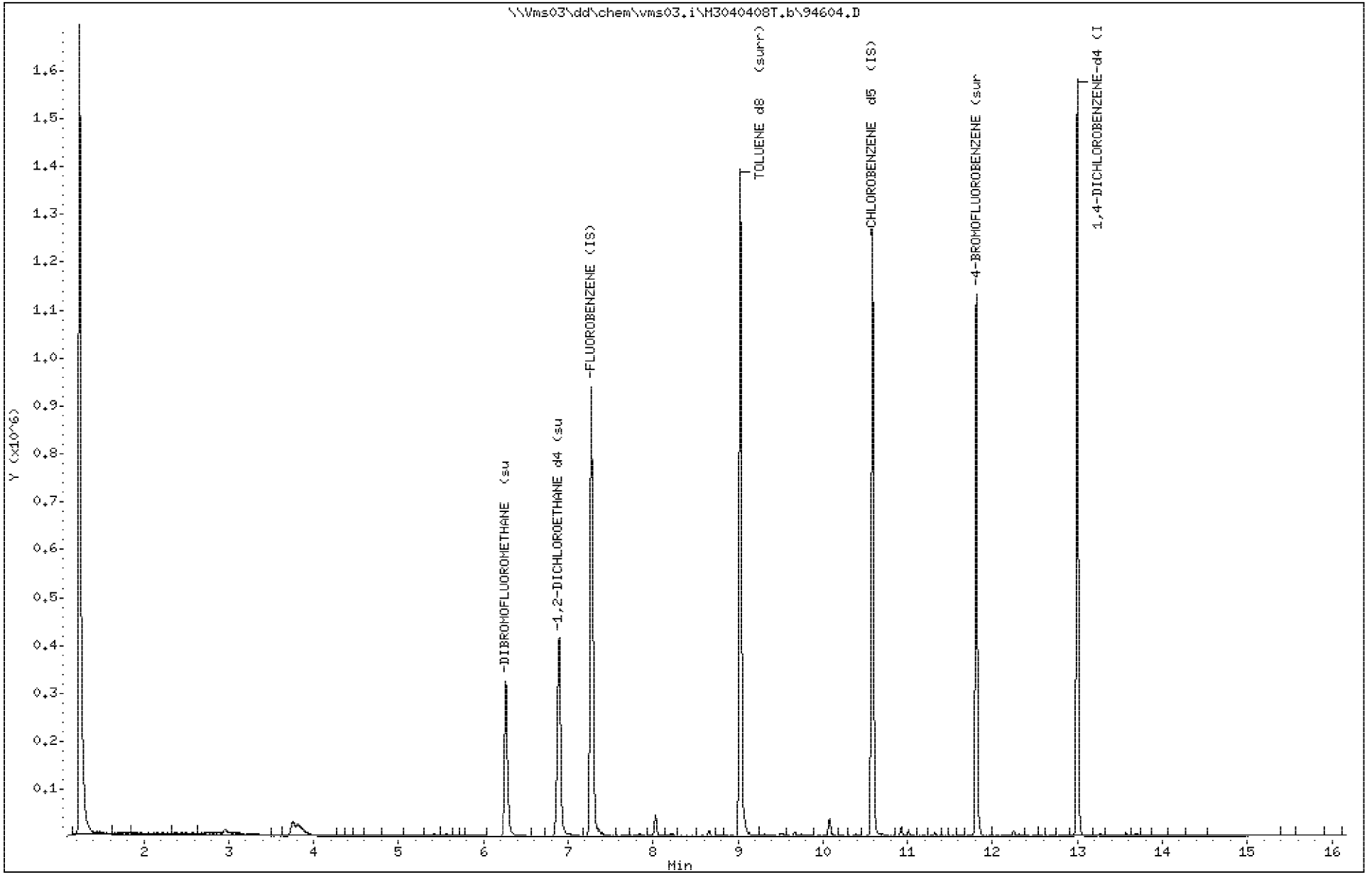
Calibration Date: 25-MAR-2008
Calibration Time: 08:11
Client Smp ID: SLOPUI-033108
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	1166142	583071	2332284	1017721	-12.73
63 CHLOROBENZENE d5	822247	411124	1644494	741416	-9.83
86 1,4-DICHLOROBENZE	457500	228750	915000	407845	-10.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 FLUOROBENZENE (IS	7.27	6.77	7.77	7.28	0.07
63 CHLOROBENZENE d5	10.58	10.08	11.08	10.58	0.03
86 1,4-DICHLOROBENZE	13.00	12.50	13.50	13.00	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Vms03\dd\chem\vms03.i\M3040408T.b\94604.D
Date : 04-APR-2008 09:26
Client ID: SLOPUI-033108
Instrument: vms03.i
Sample Info: 250894604;2508946;1;
Purge Volume: 0.5
Operator:
Column phase: DB-624
Column diameter: 0.18



AO-469
2508946

Raw Data Inorganics/Metals

Metals Digestion Log

Prepared by: GG Date Prepared: 4/3/08 Reagents: PM#

HNO_3 244

MAJORS Spike: MET# 23554 22380G HCl 242

LCS/MS/SD Spike amount: 1.00 mL Each MINORS Spike: MET# 22381 H_2O_2 N/A

Water Bath Temperature: 95 °C Thermometer ID: J85334 Dig Tube: A711L5119

Method (Circle one) Water (3010A = ICP) ILMO5.2 = CLP Soil:

3020A Mod = Furnace 3050B = ICP or Furnace

3020A Sb Mod = Furnace ILMO5.2 = CLP

PREP ID # 040308B Start Time: 1250 Stop Time: 800 4/4/08

	Container #	Sample ID	ID	Initial Weight (g) or Volume (mL) 3 SigFig	Final volume (mL)	Spike Verification	Comment or Notification:	HBN #: 421227 Batch #: 7518
		BLK W 040308B	BLK	50.0	50.0 mL			HSN# 2454596
		LCS W	LCS					HSN# 98
		LCSD W	LCSD					HSN# 2454600
1	3	2508948 01					I 4/16	
1	↓	01	MS					HSN# 602
1	↓	01	SD					HSN# 604
2	5	02						
3	3	03						
4	2	04						
5	3	05						
6	3	06						
7	3	07						
8	2	08						
9	2	09						
10	5	10						
11	1	2508946 06					IV 4/11	
12	6	2508949 01					I 4/16	
13	4	02						
14	3	03						
15	4	04		↓	↓		↓	
16								
17								
18		Void 4/4/08						
19								
20								

W:\metals\LogBooks\MetDigLog_0208_TEMPLATE.xls
REV 02/08

==========

Reprocessing Begun
Logged In Analyst: inorg **Technique: ICP Continuous**

Results Data Set (original): 041008A
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): 041008A
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: STD1-Blank **Date Collected: 4/10/2008 10:35:46 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:10 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: STD1-Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1854689.8	10998.26	0.59%	100	%
Sc Radial	179707.9	2024.34	1.13%	100	%
Ag 328.068†	-11.5	28.08	244.33%	[0.00]	ug/L
Al 308.215†	178.9	9.80	5.48%	[0.00]	ug/L
As 188.979†	-18.4	3.80	20.62%	[0.00]	ug/L
Ba 233.527†	-400.0	3.73	0.93%	[0.00]	ug/L
Be 234.861†	-339.1	6.53	1.93%	[0.00]	ug/L
Ca 315.887†	65.6	11.43	17.42%	[0.00]	ug/L
Cd 226.502†	-31.5	3.04	9.64%	[0.00]	ug/L
Co 228.616†	-86.8	8.38	9.65%	[0.00]	ug/L
Cr 267.716†	44.7	5.85	13.07%	[0.00]	ug/L
Cu 324.752†	6287.5	22.07	0.35%	[0.00]	ug/L
Fe 259.939†	44.5	1.33	2.99%	[0.00]	ug/L
K 766.490†	16.4	15.48	94.43%	[0.00]	ug/L
Mg 279.077†	105.6	22.61	21.42%	[0.00]	ug/L
Mn 257.610†	305.9	6.60	2.16%	[0.00]	ug/L
Mo 202.031†	-8.7	4.63	53.47%	[0.00]	ug/L
Na 589.592†	405.4	19.93	4.92%	[0.00]	ug/L
Ni 231.604†	-73.3	4.54	6.20%	[0.00]	ug/L
Pb 220.353†	10.1	8.91	88.57%	[0.00]	ug/L
Sb 206.836†	25.8	6.05	23.46%	[0.00]	ug/L
Se 196.026†	-13.2	2.47	18.71%	[0.00]	ug/L
Sn 189.927†	-18.1	1.21	6.69%	[0.00]	ug/L
Sr 421.552†	85.1	2.63	3.09%	[0.00]	ug/L
Ti 334.940†	-144.7	6.14	4.24%	[0.00]	ug/L
Tl 190.801†	-24.6	2.70	10.98%	[0.00]	ug/L
V 292.402†	30.6	10.34	33.84%	[0.00]	ug/L
Zn 206.200†	12.0	8.60	71.49%	[0.00]	ug/L

==========

Sequence No.: 2 **Autosampler Location: 14**
Sample ID: Calib Std 1Maj **Date Collected: 4/10/2008 10:40:10 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:10 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1Maj

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1880920.8	8884.65	0.47%	101	%
Sc Radial	180678.5	1203.10	0.67%	101	%
Al 308.215†	51.3	3.99	7.77%	[25]	ug/L
Ba 233.527†	106.9	10.71	10.02%	[0.5]	ug/L
Be 234.861†	174.8	0.55	0.31%	[0.5]	ug/L
Ca 315.887†	206.7	7.34	3.55%	[25]	ug/L
Cd 226.502†	13.6	6.03	44.25%	[0.5]	ug/L
Co 228.616†	15.9	7.59	47.82%	[0.5]	ug/L
Fe 259.939†	363.0	18.50	5.10%	[40]	ug/L
K 766.490†	68.5	48.64	70.96%	[25]	ug/L
Mg 279.077†	322.7	13.51	4.19%	[25]	ug/L
Na 589.592†	269.6	19.91	7.38%	[25]	ug/L
Sr 421.552†	300.2	16.15	5.38%	[0.4]	ug/L
Ti 334.940†	199.8	41.54	20.79%	[0.4]	ug/L
V 292.402†	25.9	8.24	31.79%	[0.5]	ug/L

Sequence No.: 3 **Autosampler Location: 2**
Sample ID: Calib Std 1 **Date Collected: 4/10/2008 10:44:34 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:11 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1845194.3	12465.10	0.68%	99.5	%
Sc Radial	182514.2	1436.03	0.79%	102	%
Ag 328.068†	891.0	16.21	1.82%	[5]	ug/L
Al 308.215†	534.6	20.84	3.90%	[250]	ug/L
As 188.979†	9.2	7.07	76.57%	[5]	ug/L
Ba 233.527†	858.4	7.12	0.83%	[5]	ug/L
Be 234.861†	1659.3	17.96	1.08%	[5]	ug/L
Ca 315.887†	1584.0	26.44	1.67%	[250]	ug/L
Cd 226.502†	97.8	5.03	5.14%	[5]	ug/L
Co 228.616†	198.1	10.91	5.51%	[5]	ug/L
Cr 267.716†	206.4	3.04	1.47%	[5]	ug/L
Cu 324.752†	1495.2	89.81	6.01%	[5]	ug/L
Fe 259.939†	3220.6	43.89	1.36%	[400]	ug/L
K 766.490†	961.8	26.91	2.80%	[250]	ug/L
Mg 279.077†	3056.1	19.31	0.63%	[250]	ug/L
Mn 257.610†	2656.6	45.16	1.70%	[5]	ug/L
Mo 202.031†	32.1	0.88	2.75%	[5]	ug/L
Na 589.592†	2141.1	9.94	0.46%	[250]	ug/L
Ni 231.604†	101.8	4.42	4.34%	[5]	ug/L
Pb 220.353†	16.1	2.92	18.12%	[5]	ug/L
Sb 206.836†	16.7	0.72	4.30%	[5]	ug/L
Se 196.026†	3.7	1.62	44.21%	[5]	ug/L
Sn 189.927†	12.6	2.94	23.28%	[4]	ug/L
Sr 421.552†	2496.5	36.37	1.46%	[4]	ug/L
Ti 334.940†	1994.7	22.59	1.13%	[4]	ug/L
Tl 190.801†	7.9	1.09	13.77%	[5]	ug/L
V 292.402†	254.9	1.23	0.48%	[5]	ug/L
Zn 206.200†	171.4	8.19	4.78%	[5]	ug/L

Sequence No.: 4 **Autosampler Location: 3**
Sample ID: Calib Std 2 **Date Collected: 4/10/2008 10:48:59 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:12 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1901649.1	93776.85	4.93%	103	%
Sc Radial	181643.8	1318.73	0.73%	101	%
Ag 328.068†	8483.3	374.39	4.41%	[50]	ug/L
Al 308.215†	5543.8	30.90	0.56%	[2500]	ug/L
As 188.979†	100.2	4.03	4.02%	[50]	ug/L
Ba 233.527†	8615.3	389.48	4.52%	[50]	ug/L
Be 234.861†	16805.4	725.70	4.32%	[50]	ug/L
Ca 315.887†	15834.0	35.40	0.22%	[2500]	ug/L
Cd 226.502†	970.3	45.21	4.66%	[50]	ug/L
Co 228.616†	1951.6	97.00	4.97%	[50]	ug/L
Cr 267.716†	1879.9	96.68	5.14%	[50]	ug/L
Cu 324.752†	13506.7	903.19	6.69%	[50]	ug/L
Fe 259.939†	32700.4	28.13	0.09%	[4000]	ug/L
K 766.490†	9180.8	49.74	0.54%	[2500]	ug/L
Mg 279.077†	31393.0	252.45	0.80%	[2500]	ug/L
Mn 257.610†	25963.1	1226.93	4.73%	[50]	ug/L
Mo 202.031†	337.8	18.39	5.44%	[50]	ug/L
Na 589.592†	21531.4	64.55	0.30%	[2500]	ug/L
Ni 231.604†	973.9	39.95	4.10%	[50]	ug/L
Pb 220.353†	174.8	13.13	7.51%	[50]	ug/L
Sb 206.836†	137.2	6.08	4.43%	[50]	ug/L
Se 196.026†	60.4	2.62	4.33%	[50]	ug/L
Sn 189.927†	114.4	10.11	8.84%	[40]	ug/L
Sr 421.552†	25089.1	105.24	0.42%	[40]	ug/L
Ti 334.940†	19418.2	850.21	4.38%	[40]	ug/L
Tl 190.801†	92.5	8.02	8.67%	[50]	ug/L
V 292.402†	2455.7	124.77	5.08%	[50]	ug/L
Zn 206.200†	1365.6	65.34	4.78%	[50]	ug/L

==========

Sequence No.: 5 **Autosampler Location: 4**
Sample ID: Calib Std 3 **Date Collected: 4/10/2008 10:52:56 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:13 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1835254.9	9967.59	0.54%	99.0	%
Sc Radial	186396.6	913.07	0.49%	104	%
Ag 328.068†	85931.5	377.90	0.44%	[500]	ug/L
Al 308.215†	54156.3	180.46	0.33%	[25000]	ug/L
As 188.979†	999.2	6.85	0.69%	[500]	ug/L
Ba 233.527†	86462.7	358.93	0.42%	[500]	ug/L
Be 234.861†	174805.5	1045.90	0.60%	[500]	ug/L
Ca 315.887†	154391.1	523.30	0.34%	[25000]	ug/L
Cd 226.502†	9860.0	47.06	0.48%	[500]	ug/L
Co 228.616†	19718.6	93.08	0.47%	[500]	ug/L
Cr 267.716†	19158.4	72.64	0.38%	[500]	ug/L
Cu 324.752†	138843.9	800.65	0.58%	[500]	ug/L
Fe 259.939†	312092.2	886.79	0.28%	[40000]	ug/L
K 766.490†	88080.8	346.48	0.39%	[25000]	ug/L
Mg 279.077†	299572.6	1960.64	0.65%	[25000]	ug/L
Mn 257.610†	258638.0	1129.48	0.44%	[500]	ug/L
Mo 202.031†	3408.0	18.97	0.56%	[500]	ug/L
Na 589.592†	207213.6	562.33	0.27%	[25000]	ug/L
Ni 231.604†	9651.2	40.83	0.42%	[500]	ug/L
Pb 220.353†	1713.1	24.30	1.42%	[500]	ug/L
Sb 206.836†	1416.9	21.83	1.54%	[500]	ug/L
Se 196.026†	629.4	1.19	0.19%	[500]	ug/L
Sn 189.927†	1157.5	12.11	1.05%	[400]	ug/L
Sr 421.552†	243460.6	556.79	0.23%	[400]	ug/L
Ti 334.940†	199315.9	1611.03	0.81%	[400]	ug/L
Tl 190.801†	965.6	16.12	1.67%	[500]	ug/L
V 292.402†	25230.7	121.89	0.48%	[500]	ug/L
Zn 206.200†	13875.2	83.26	0.60%	[500]	ug/L

Sequence No.: 6 **Autosampler Location: 9**
Sample ID: Calib Std 4 **Date Collected: 4/10/2008 10:56:55 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:14 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	1698896.6	5275.11	0.31%	91.6	%
Sc Radial	172737.2	224.99	0.13%	96.1	%
Al 308.215†	546736.9	1682.96	0.31%	[250000]	ug/L
As 188.979†	9461.1	14.68	0.16%	[5000]	ug/L
Ba 233.527†	813037.8	1421.32	0.17%	[5000]	ug/L
Be 234.861†	1702590.7	7334.82	0.43%	[5000]	ug/L
Ca 315.887†	1467496.2	3814.81	0.26%	[250000]	ug/L
Cd 226.502†	88413.2	141.03	0.16%	[5000]	ug/L
Co 228.616†	180046.6	356.01	0.20%	[5000]	ug/L
Cr 267.716†	175547.5	302.12	0.17%	[5000]	ug/L
Cu 324.752†	1473989.0	6016.91	0.41%	[5000]	ug/L
Fe 259.939†	2856857.6	14551.42	0.51%	[400000]	ug/L
K 766.490†	914407.4	5245.37	0.57%	[250000]	ug/L
Mg 279.077†	2831528.8	5847.77	0.21%	[250000]	ug/L
Mn 257.610†	2369293.3	6286.53	0.27%	[5000]	ug/L
Mo 202.031†	31733.3	83.28	0.26%	[5000]	ug/L
Na 589.592†	2081364.0	1938.92	0.09%	[250000]	ug/L
Ni 231.604†	86476.5	180.59	0.21%	[5000]	ug/L
Pb 220.353†	15678.1	60.30	0.38%	[5000]	ug/L
Sb 206.836†	13766.3	67.97	0.49%	[5000]	ug/L
Se 196.026†	6252.3	24.65	0.39%	[5000]	ug/L
Sn 189.927†	10820.5	42.56	0.39%	[4000]	ug/L
Sr 421.552†	2413956.5	4351.10	0.18%	[4000]	ug/L
Ti 334.940†	1937226.8	9908.34	0.51%	[4000]	ug/L
Tl 190.801†	8974.5	62.68	0.70%	[5000]	ug/L
V 292.402†	238640.7	475.38	0.20%	[5000]	ug/L
Zn 206.200†	123611.6	186.65	0.15%	[5000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Wt. Lin	38.2	170.4	0.00000	0.999960	
Al 308.215	5	Wt. Lin	-3.3	2.182	0.00000	0.999929	
As 188.979	4	Wt. Lin	-0.6	1.968	0.00000	0.999578	
Ba 233.527	5	Wt. Lin	22.5	168.7	0.00000	0.999689	
Be 234.861	5	Wt. Lin	4.6	339.5	0.00000	0.999783	
Ca 315.887	5	Wt. Lin	53.8	6.119	0.00000	0.999638	
Cd 226.502	5	Wt. Lin	4.2	18.86	0.00000	0.999129	
Co 228.616	5	Wt. Lin	-3.4	38.67	0.00000	0.999068	
Cr 267.716	4	Wt. Lin	22.5	36.83	0.00000	0.999316	
Cu 324.752	4	Wt. Lin	85.8	280.7	0.00000	0.999177	
Fe 259.939	5	Wt. Lin	53.9	7.750	0.00000	0.998746	
K 766.490	5	Wt. Lin	-23.2	3.695	0.00000	0.999115	
Mg 279.077	5	Wt. Lin	23.4	11.99	0.00000	0.999290	
Mn 257.610	4	Wt. Lin	155.4	501.8	0.00000	0.999128	
Mo 202.031	4	Wt. Lin	-1.1	6.643	0.00000	0.999442	
Na 589.592	5	Wt. Lin	60.0	8.382	0.00000	0.999890	
Ni 231.604	4	Wt. Lin	9.2	18.60	0.00000	0.998617	
Pb 220.353	4	Wt. Lin	-0.6	3.351	0.00000	0.998771	
Sb 206.836	4	Wt. Lin	2.9	2.758	0.00000	0.999763	
Se 196.026	4	Wt. Lin	-2.6	1.259	0.00000	0.999989	
Sn 189.927	4	Wt. Lin	1.4	2.806	0.00000	0.999595	
Sr 421.552	5	Wt. Lin	55.4	612.0	0.00000	0.999901	
Ti 334.940	5	Wt. Lin	3.5	491.3	0.00000	0.999904	
Tl 190.801	4	Wt. Lin	-1.4	1.868	0.00000	0.999498	
V 292.402	5	Wt. Lin	1.2	49.47	0.00000	0.999688	
Zn 206.200	4	Wt. Lin	40.1	26.29	0.00000	0.998846	

Sequence No.: 7 **Autosampler Location: 6**
Sample ID: ICV **Date Collected: 4/10/2008 11:19:27 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:15 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1833734.2	98.9	%	0.58				0.59%
Sc Radial	185737.8	103	%	0.8				0.75%
Ag 328.068†	24716.6	147	ug/L	1.4	147	ug/L	1.4	0.98%
QC value within limits for Ag 328.068 Recovery = 91.61%								
Al 308.215†	84081.1	38500	ug/L	231.0	38500	ug/L	231.0	0.60%
QC value within limits for Al 308.215 Recovery = 96.35%								
As 188.979†	757.5	390	ug/L	3.4	390	ug/L	3.4	0.87%
QC value within limits for As 188.979 Recovery = 97.60%								
Ba 233.527†	201134.4	1190	ug/L	12.2	1190	ug/L	12.2	1.02%
QC value within limits for Ba 233.527 Recovery = 99.36%								
Be 234.861†	138690.5	408	ug/L	5.0	408	ug/L	5.0	1.22%
QC value within limits for Be 234.861 Recovery = 102.10%								
Ca 315.887†	238286.3	38900	ug/L	113.6	38900	ug/L	113.6	0.29%
QC value within limits for Ca 315.887 Recovery = 97.34%								
Cd 226.502†	7692.0	401	ug/L	3.4	401	ug/L	3.4	0.85%
QC value within limits for Cd 226.502 Recovery = 100.16%								
Co 228.616†	14985.2	387	ug/L	3.8	387	ug/L	3.8	0.98%
QC value within limits for Co 228.616 Recovery = 96.80%								
Cr 267.716†	14884.6	404	ug/L	3.3	404	ug/L	3.3	0.82%
QC value within limits for Cr 267.716 Recovery = 101.08%								
Cu 324.752†	109799.1	392	ug/L	4.0	392	ug/L	4.0	1.02%
QC value within limits for Cu 324.752 Recovery = 98.03%								
Fe 259.939†	307760.6	39700	ug/L	182.6	39700	ug/L	182.6	0.46%
QC value within limits for Fe 259.939 Recovery = 99.26%								
K 766.490†	136448.1	36900	ug/L	234.6	36900	ug/L	234.6	0.64%
QC value within limits for K 766.490 Recovery = 92.34%								
Mg 279.077†	460008.0	38400	ug/L	267.1	38400	ug/L	267.1	0.70%
QC value within limits for Mg 279.077 Recovery = 95.92%								
Mn 257.610†	199573.2	396	ug/L	4.1	396	ug/L	4.1	1.04%
QC value within limits for Mn 257.610 Recovery = 99.00%								
Mo 202.031†	2631.9	397	ug/L	2.4	397	ug/L	2.4	0.61%
QC value within limits for Mo 202.031 Recovery = 99.26%								
Na 589.592†	324921.9	38800	ug/L	222.7	38800	ug/L	222.7	0.57%
QC value within limits for Na 589.592 Recovery = 96.89%								
Ni 231.604†	7388.3	397	ug/L	1.7	397	ug/L	1.7	0.42%
QC value within limits for Ni 231.604 Recovery = 99.19%								
Pb 220.353†	1330.7	399	ug/L	3.3	399	ug/L	3.3	0.82%
QC value within limits for Pb 220.353 Recovery = 99.69%								
Sb 206.836†	1115.3	401	ug/L	3.3	401	ug/L	3.3	0.83%
QC value within limits for Sb 206.836 Recovery = 100.20%								
Se 196.026†	492.7	403	ug/L	3.7	403	ug/L	3.7	0.92%
QC value within limits for Se 196.026 Recovery = 100.64%								
Sn 189.927†	1122.0	396	ug/L	6.0	396	ug/L	6.0	1.50%
QC value within limits for Sn 189.927 Recovery = 98.97%								
Sr 421.552†	230168.0	376	ug/L	2.1	376	ug/L	2.1	0.57%
QC value within limits for Sr 421.552 Recovery = 93.91%								
Ti 334.940†	188802.9	384	ug/L	5.1	384	ug/L	5.1	1.32%
QC value within limits for Ti 334.940 Recovery = 95.95%								
Tl 190.801†	763.3	406	ug/L	3.7	406	ug/L	3.7	0.91%
QC value within limits for Tl 190.801 Recovery = 101.47%								
V 292.402†	19750.4	408	ug/L	3.9	408	ug/L	3.9	0.97%
QC value within limits for V 292.402 Recovery = 101.97%								
Zn 206.200†	10900.6	414	ug/L	3.1	414	ug/L	3.1	0.74%
QC value within limits for Zn 206.200 Recovery = 103.51%								

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 4/10/2008 11:23:25 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:16 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1856156.2	100	%	0.3				0.29%
Sc Radial	182713.2	102	%	0.8				0.76%
Ag 328.068†	-2.9	-0.241	ug/L	0.1357	-0.241	ug/L	0.1357	56.21%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	13.2	7.56	ug/L	1.317	7.56	ug/L	1.317	17.42%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.8	-1.12	ug/L	4.540	-1.12	ug/L	4.540	404.96%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	14.9	-0.045	ug/L	0.1156	-0.045	ug/L	0.1156	254.25%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	8.6	0.012	ug/L	0.0190	0.012	ug/L	0.0190	159.12%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	23.7	-4.90	ug/L	1.791	-4.90	ug/L	1.791	36.52%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	1.8	-0.125	ug/L	0.2988	-0.125	ug/L	0.2988	239.74%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	2.3	0.146	ug/L	0.0537	0.146	ug/L	0.0537	36.84%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.8	-0.371	ug/L	0.0504	-0.371	ug/L	0.0504	13.58%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	81.1	-0.017	ug/L	0.1074	-0.017	ug/L	0.1074	639.25%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	36.5	-2.24	ug/L	0.597	-2.24	ug/L	0.597	26.63%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	52.8	20.6	ug/L	10.28	20.6	ug/L	10.28	49.98%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	27.1	0.304	ug/L	0.3659	0.304	ug/L	0.3659	120.19%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	18.5	-0.273	ug/L	0.0096	-0.273	ug/L	0.0096	3.51%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.4	0.533	ug/L	0.5588	0.533	ug/L	0.5588	104.92%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	77.5	2.09	ug/L	1.952	2.09	ug/L	1.952	93.37%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.1	-0.488	ug/L	0.5341	-0.488	ug/L	0.5341	109.53%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	6.0	1.96	ug/L	1.463	1.96	ug/L	1.463	74.65%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.5	0.595	ug/L	2.4617	0.595	ug/L	2.4617	413.47%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.7	1.55	ug/L	2.063	1.55	ug/L	2.063	133.07%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1.6	0.064	ug/L	0.9443	0.064	ug/L	0.9443	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	52.0	-0.006	ug/L	0.0112	-0.006	ug/L	0.0112	202.05%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	9.4	0.012	ug/L	0.0128	0.012	ug/L	0.0128	108.93%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.7	-0.706	ug/L	1.5047	-0.706	ug/L	1.5047	213.15%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	9.4	0.168	ug/L	0.0909	0.168	ug/L	0.0909	54.05%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-0.3	-1.54	ug/L	0.038	-1.54	ug/L	0.038	2.47%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 5**
Sample ID: AFCEE CRI **Date Collected: 4/10/2008 11:27:50 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:17 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: AFCEE CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1813780.8	97.8	%	0.15				0.15%
Sc Radial	178497.6	99.3	%	0.67				0.67%
Ag 328.068†	1628.6	9.35	ug/L	0.117	9.35	ug/L	0.117	1.26%
QC value within limits for Ag 328.068 Recovery = 93.49%								
Al 308.215†	491.9	227	ug/L	4.9	227	ug/L	4.9	2.17%
QC value within limits for Al 308.215 Recovery = 113.49%								
As 188.979†	55.7	28.7	ug/L	3.42	28.7	ug/L	3.42	11.93%
QC value within limits for As 188.979 Recovery = 95.64%								
Ba 233.527†	1939.1	11.4	ug/L	0.07	11.4	ug/L	0.07	0.59%
QC value within limits for Ba 233.527 Recovery = 113.64%								
Be 234.861†	1443.9	4.24	ug/L	0.001	4.24	ug/L	0.001	0.02%
QC value within limits for Be 234.861 Recovery = 84.79%								
Ca 315.887†	7558.2	1230	ug/L	8.9	1230	ug/L	8.9	0.72%
QC value within limits for Ca 315.887 Recovery = 122.65%								
Cd 226.502†	105.3	5.34	ug/L	0.073	5.34	ug/L	0.073	1.37%
QC value within limits for Cd 226.502 Recovery = 106.71%								
Co 228.616†	397.8	10.4	ug/L	0.16	10.4	ug/L	0.16	1.53%
QC value within limits for Co 228.616 Recovery = 103.76%								
Cr 267.716†	423.9	10.9	ug/L	0.45	10.9	ug/L	0.45	4.09%
QC value within limits for Cr 267.716 Recovery = 109.09%								
Cu 324.752†	3002.8	10.4	ug/L	0.28	10.4	ug/L	0.28	2.67%
QC value within limits for Cu 324.752 Recovery = 103.88%								
Fe 259.939†	510.3	58.9	ug/L	6.11	58.9	ug/L	6.11	10.38%
QC value within limits for Fe 259.939 Recovery = 117.80%								
K 766.490†	3857.2	1050	ug/L	4.1	1050	ug/L	4.1	0.39%
QC value within limits for K 766.490 Recovery = 105.02%								
Mg 279.077†	12926.6	1080	ug/L	6.1	1080	ug/L	6.1	0.56%
QC value within limits for Mg 279.077 Recovery = 107.60%								
Mn 257.610†	5960.4	11.5	ug/L	0.05	11.5	ug/L	0.05	0.43%
QC value within limits for Mn 257.610 Recovery = 115.42%								
Mo 202.031†	103.7	15.7	ug/L	0.18	15.7	ug/L	0.18	1.14%
QC value within limits for Mo 202.031 Recovery = 104.98%								
Na 589.592†	9124.2	1080	ug/L	6.5	1080	ug/L	6.5	0.60%
QC value within limits for Na 589.592 Recovery = 108.14%								
Ni 231.604†	417.4	22.0	ug/L	0.67	22.0	ug/L	0.67	3.04%
QC value within limits for Ni 231.604 Recovery = 109.80%								
Pb 220.353†	92.3	27.7	ug/L	3.18	27.7	ug/L	3.18	11.47%
QC value within limits for Pb 220.353 Recovery = 110.87%								
Sb 206.836†	154.2	54.8	ug/L	1.95	54.8	ug/L	1.95	3.56%
QC value within limits for Sb 206.836 Recovery = 109.64%								
Se 196.026†	40.8	34.5	ug/L	4.29	34.5	ug/L	4.29	12.45%
QC value within limits for Se 196.026 Recovery = 114.99%								
Sn 189.927†	28.0	9.42	ug/L	0.656	9.42	ug/L	0.656	6.96%
QC value within limits for Sn 189.927 Recovery = 94.21%								
Sr 421.552†	3172.5	5.08	ug/L	0.091	5.08	ug/L	0.091	1.80%
QC value within limits for Sr 421.552 Recovery = 101.64%								
Ti 334.940†	2517.4	5.10	ug/L	0.043	5.10	ug/L	0.043	0.85%
QC value within limits for Ti 334.940 Recovery = 102.07%								
Tl 190.801†	117.6	63.5	ug/L	0.18	63.5	ug/L	0.18	0.29%
QC value within limits for Tl 190.801 Recovery = 105.91%								
V 292.402†	545.4	11.1	ug/L	0.10	11.1	ug/L	0.10	0.88%
QC value within limits for V 292.402 Recovery = 111.12%								
Zn 206.200†	682.0	24.4	ug/L	0.23	24.4	ug/L	0.23	0.96%
QC value within limits for Zn 206.200 Recovery = 121.95%								

All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 4/10/2008 11:32:18 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:17 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1784422.1	96.2	%	0.46				0.48%
Sc Radial	179276.0	99.8	%	0.55				0.55%
Ag 328.068†	-1076.4	1.04	ug/L	0.356	1.04	ug/L	0.356	34.20%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	546945.2	251000	ug/L	505.6	251000	ug/L	505.6	0.20%
QC value within limits for Al 308.215 Recovery = 100.28%								
As 188.979†	-35.0	-3.05	ug/L	3.235	-3.05	ug/L	3.235	106.15%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-26.8	-1.01	ug/L	0.034	-1.01	ug/L	0.034	3.39%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	122.2	-0.178	ug/L	0.3304	-0.178	ug/L	0.3304	185.23%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	1490146.9	244000	ug/L	151.5	244000	ug/L	151.5	0.06%
QC value within limits for Ca 315.887 Recovery = 97.42%								
Cd 226.502†	726.4	-0.019	ug/L	0.8273	-0.019	ug/L	0.8273	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	192.4	-0.144	ug/L	0.0260	-0.144	ug/L	0.0260	18.01%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-56.8	0.669	ug/L	0.3817	0.669	ug/L	0.3817	57.08%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-1627.5	0.159	ug/L	0.1808	0.159	ug/L	0.1808	113.39%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	1687526.4	218000	ug/L	453.8	218000	ug/L	453.8	0.21%
QC value within limits for Fe 259.939 Recovery = 96.77%								
K 766.490†	-126.0	-27.8	ug/L	12.21	-27.8	ug/L	12.21	43.90%
Mg 279.077†	2921803.7	244000	ug/L	912.2	244000	ug/L	912.2	0.37%
QC value within limits for Mg 279.077 Recovery = 97.48%								
Mn 257.610†	4597.1	0.426	ug/L	0.0330	0.426	ug/L	0.0330	7.75%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-29.9	3.26	ug/L	0.757	3.26	ug/L	0.757	23.25%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	212.5	18.2	ug/L	2.37	18.2	ug/L	2.37	13.03%
Ni 231.604†	43.3	-0.453	ug/L	0.9440	-0.453	ug/L	0.9440	208.15%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-22.6	0.190	ug/L	2.7447	0.190	ug/L	2.7447	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	23.3	3.99	ug/L	4.889	3.99	ug/L	4.889	122.44%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-70.7	2.01	ug/L	5.985	2.01	ug/L	5.985	297.46%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-8.9	-3.43	ug/L	0.316	-3.43	ug/L	0.316	9.21%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	2166.5	1.27	ug/L	0.029	1.27	ug/L	0.029	2.30%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	2629.7	5.39	ug/L	0.056	5.39	ug/L	0.056	1.03%
QC value greater than the upper limit for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-7.0	2.76	ug/L	3.586	2.76	ug/L	3.586	129.73%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-1672.7	-1.06	ug/L	0.796	-1.06	ug/L	0.796	75.08%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-64.1	-0.121	ug/L	0.3700	-0.121	ug/L	0.3700	304.59%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 4/10/2008 11:36:34 AM**
Analyst: **Data Type: Reprocessed on 4/10/2008 11:46:18 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1771861.5	95.5	%	0.61				0.63%
Sc Radial	182465.9	102	%	0.8				0.78%
Ag 328.068†	31764.3	194	ug/L	3.7	194	ug/L	3.7	1.88%
QC value within limits for Ag 328.068 Recovery = 97.07%								
Al 308.215†	538175.9	247000	ug/L	2525.9	247000	ug/L	2525.9	1.02%
QC value within limits for Al 308.215 Recovery = 98.67%								
As 188.979†	157.3	97.7	ug/L	3.85	97.7	ug/L	3.85	3.94%
QC value within limits for As 188.979 Recovery = 97.68%								
Ba 233.527†	84561.7	501	ug/L	9.7	501	ug/L	9.7	1.94%
QC value within limits for Ba 233.527 Recovery = 100.11%								
Be 234.861†	179650.1	529	ug/L	4.4	529	ug/L	4.4	0.84%
QC value within limits for Be 234.861 Recovery = 105.73%								
Ca 315.887†	1470516.3	240000	ug/L	2635.1	240000	ug/L	2635.1	1.10%
QC value within limits for Ca 315.887 Recovery = 96.13%								
Cd 226.502†	19268.4	984	ug/L	18.1	984	ug/L	18.1	1.84%
QC value within limits for Cd 226.502 Recovery = 98.35%								
Co 228.616†	18335.0	469	ug/L	7.6	469	ug/L	7.6	1.62%
QC value within limits for Co 228.616 Recovery = 93.73%								
Cr 267.716†	18417.9	503	ug/L	9.7	503	ug/L	9.7	1.92%
QC value within limits for Cr 267.716 Recovery = 100.52%								
Cu 324.752†	147596.7	532	ug/L	10.4	532	ug/L	10.4	1.96%
QC value within limits for Cu 324.752 Recovery = 106.36%								
Fe 259.939†	1664369.6	215000	ug/L	2362.6	215000	ug/L	2362.6	1.10%
QC value within limits for Fe 259.939 Recovery = 95.44%								
K 766.490†	-57.1	-9.17	ug/L	6.376	-9.17	ug/L	6.376	69.56%
Mg 279.077†	2869253.3	239000	ug/L	1785.2	239000	ug/L	1785.2	0.75%
QC value within limits for Mg 279.077 Recovery = 95.73%								
Mn 257.610†	251467.3	493	ug/L	3.6	493	ug/L	3.6	0.72%
QC value within limits for Mn 257.610 Recovery = 98.51%								
Mo 202.031†	3256.2	496	ug/L	2.7	496	ug/L	2.7	0.55%
QC value within limits for Mo 202.031 Recovery = 99.22%								
Na 589.592†	264.5	24.4	ug/L	2.05	24.4	ug/L	2.05	8.40%
Ni 231.604†	18075.2	970	ug/L	18.1	970	ug/L	18.1	1.86%
QC value within limits for Ni 231.604 Recovery = 96.96%								
Pb 220.353†	121.4	43.3	ug/L	2.91	43.3	ug/L	2.91	6.72%
QC value within limits for Pb 220.353 Recovery = 86.67%								
Sb 206.836†	1746.1	626	ug/L	3.7	626	ug/L	3.7	0.59%
QC value within limits for Sb 206.836 Recovery = 104.39%								
Se 196.026†	-5.6	52.3	ug/L	9.23	52.3	ug/L	9.23	17.66%
QC value within limits for Se 196.026 Recovery = 104.54%								
Sn 189.927†	1393.6	492	ug/L	4.9	492	ug/L	4.9	1.00%
QC value within limits for Sn 189.927 Recovery = 98.40%								
Sr 421.552†	300860.0	489	ug/L	5.3	489	ug/L	5.3	1.07%
QC value within limits for Sr 421.552 Recovery = 97.87%								
Ti 334.940†	239459.2	487	ug/L	7.3	487	ug/L	7.3	1.50%
QC value within limits for Ti 334.940 Recovery = 97.36%								
Tl 190.801†	190.4	103	ug/L	4.3	103	ug/L	4.3	4.14%
QC value within limits for Tl 190.801 Recovery = 102.85%								
V 292.402†	23625.3	513	ug/L	9.9	513	ug/L	9.9	1.92%
QC value within limits for V 292.402 Recovery = 102.64%								
Zn 206.200†	26008.0	992	ug/L	18.4	992	ug/L	18.4	1.85%
QC value within limits for Zn 206.200 Recovery = 99.17%								

All analyte(s) passed QC.

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Analysis Begun

Start Time: 4/10/2008 11:48:28 AM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

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4/10/2008 10:35:43 AM Hg ReAlign... Actual peak offset (nm): -0.004
Drift (nm): 0.000 Slit adjustment: -33

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User canceled analysis.

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Analysis Begun

Start Time: 4/10/2008 11:48:39 AM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 7 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 11:48:39 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1838370.1	99.1	%	0.33				0.33%
Sc Radial	185250.3	103	%	0.8				0.73%
Ag 328.068†	85524.8	503	ug/L	1.8	503	ug/L	1.8	0.37%
QC value within limits for Ag 328.068 Recovery = 100.70%								
Al 308.215†	54258.6	24900	ug/L	117.1	24900	ug/L	117.1	0.47%
QC value within limits for Al 308.215 Recovery = 99.49%								
As 188.979†	1013.9	521	ug/L	2.9	521	ug/L	2.9	0.56%
QC value within limits for As 188.979 Recovery = 104.25%								
Ba 233.527†	86087.5	510	ug/L	2.0	510	ug/L	2.0	0.39%
QC value within limits for Ba 233.527 Recovery = 102.03%								
Be 234.861†	174090.3	513	ug/L	0.1	513	ug/L	0.1	0.03%
QC value within limits for Be 234.861 Recovery = 102.54%								
Ca 315.887†	153716.2	25100	ug/L	111.4	25100	ug/L	111.4	0.44%
QC value within limits for Ca 315.887 Recovery = 100.46%								
Cd 226.502†	9899.8	518	ug/L	2.0	518	ug/L	2.0	0.38%
QC value within limits for Cd 226.502 Recovery = 103.53%								
Co 228.616†	19781.3	510	ug/L	3.4	510	ug/L	3.4	0.66%
QC value within limits for Co 228.616 Recovery = 102.07%								
Cr 267.716†	19016.6	517	ug/L	1.4	517	ug/L	1.4	0.26%
QC value within limits for Cr 267.716 Recovery = 103.32%								
Cu 324.752†	139488.8	498	ug/L	2.4	498	ug/L	2.4	0.48%
QC value within limits for Cu 324.752 Recovery = 99.60%								
Fe 259.939†	315648.6	40700	ug/L	152.4	40700	ug/L	152.4	0.37%
QC value within limits for Fe 259.939 Recovery = 101.80%								
K 766.490†	88600.4	24000	ug/L	96.2	24000	ug/L	96.2	0.40%
QC value within limits for K 766.490 Recovery = 95.94%								
Mg 279.077†	301977.1	25200	ug/L	145.1	25200	ug/L	145.1	0.58%
QC value within limits for Mg 279.077 Recovery = 100.77%								
Mn 257.610†	255579.8	508	ug/L	0.9	508	ug/L	0.9	0.18%
QC value within limits for Mn 257.610 Recovery = 101.59%								
Mo 202.031†	3422.2	516	ug/L	1.4	516	ug/L	1.4	0.28%

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   QC value within limits for Mo 202.031  Recovery = 103.15%
Na 589.592†          207764.0       24800 ug/L         103.5       24800 ug/L         103.5   0.42%
   QC value within limits for Na 589.592  Recovery = 99.12%
Ni 231.604†            9715.9         522 ug/L           2.5         522 ug/L           2.5   0.49%
   QC value within limits for Ni 231.604  Recovery = 104.40%
Pb 220.353†            1721.1         515 ug/L           2.7         515 ug/L           2.7   0.53%
   QC value within limits for Pb 220.353  Recovery = 103.09%
Sb 206.836†            1421.9         511 ug/L           2.2         511 ug/L           2.2   0.43%
   QC value within limits for Sb 206.836  Recovery = 102.26%
Se 196.026†             622.3         506 ug/L           5.2         506 ug/L           5.2   1.03%
   QC value within limits for Se 196.026  Recovery = 101.21%
Sn 189.927†            1164.1         410 ug/L           1.0         410 ug/L           1.0   0.24%
   QC value within limits for Sn 189.927  Recovery = 102.57%
Sr 421.552†          245091.5         400 ug/L           1.5         400 ug/L           1.5   0.37%
   QC value within limits for Sr 421.552  Recovery = 100.03%
Ti 334.940†          200726.3         408 ug/L           0.5         408 ug/L           0.5   0.13%
   QC value within limits for Ti 334.940  Recovery = 101.99%
Tl 190.801†             975.5         518 ug/L           4.5         518 ug/L           4.5   0.86%
   QC value within limits for Tl 190.801  Recovery = 103.62%
V 292.402†            25178.9         519 ug/L           2.2         519 ug/L           2.2   0.42%
   QC value within limits for V 292.402  Recovery = 103.71%
Zn 206.200†           13935.0         530 ug/L           2.0         530 ug/L           2.0   0.39%
   QC value within limits for Zn 206.200  Recovery = 105.98%
All analyte(s) passed QC.
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Sequence No.: 8 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 11:52:38 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1862654.8	100	%	0.3				0.25%
Sc Radial	184183.5	102	%	0.5				0.48%
Ag 328.068†	-8.7	-0.275	ug/L	0.1087	-0.275	ug/L	0.1087	39.48%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-0.1	1.48	ug/L	1.004	1.48	ug/L	1.004	67.76%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.5	-0.999	ug/L	2.2194	-0.999	ug/L	2.2194	222.23%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-7.3	-0.177	ug/L	0.0779	-0.177	ug/L	0.0779	44.12%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	13.7	0.027	ug/L	0.0210	0.027	ug/L	0.0210	77.98%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	9.6	-7.21	ug/L	0.714	-7.21	ug/L	0.714	9.91%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	4.1	-0.004	ug/L	0.2346	-0.004	ug/L	0.2346	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-13.0	-0.249	ug/L	0.2562	-0.249	ug/L	0.2562	102.95%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	0.3	-0.603	ug/L	0.0903	-0.603	ug/L	0.0903	14.97%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	50.5	-0.126	ug/L	0.2519	-0.126	ug/L	0.2519	200.32%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	16.9	-4.77	ug/L	0.543	-4.77	ug/L	0.543	11.39%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	3.7	7.28	ug/L	2.933	7.28	ug/L	2.933	40.29%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	25.8	0.198	ug/L	0.6469	0.198	ug/L	0.6469	326.67%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	4.2	-0.301	ug/L	0.0032	-0.301	ug/L	0.0032	1.08%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.7	0.264	ug/L	1.2404	0.264	ug/L	1.2404	470.33%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-24.1	-10.0	ug/L	1.67	-10.0	ug/L	1.67	16.61%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	8.8	-0.020	ug/L	0.3186	-0.020	ug/L	0.3186	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.1	0.791	ug/L	2.6569	0.791	ug/L	2.6569	335.90%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.3	0.523	ug/L	1.1428	0.523	ug/L	1.1428	218.34%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.8	0.638	ug/L	4.2064	0.638	ug/L	4.2064	659.46%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.0	-1.55	ug/L	1.516	-1.55	ug/L	1.516	97.57%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	18.6	-0.060	ug/L	0.0253	-0.060	ug/L	0.0253	42.09%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	3.5	0.000	ug/L	0.0256	0.000	ug/L	0.0256	>999.9%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.1	0.779	ug/L	1.0817	0.779	ug/L	1.0817	138.90%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	2.2	0.020	ug/L	0.0821	0.020	ug/L	0.0821	408.01%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-5.2	-1.72	ug/L	0.286	-1.72	ug/L	0.286	16.59%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 38**
Sample ID: 250891010 **Date Collected: 4/10/2008 11:57:03 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250891010

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1892353.4	102	%	0.3				0.31%
Sc Radial	190413.5	106	%	1.0				0.94%
Ag 328.068†	-1363.4	0.807	ug/L	0.1034	0.807	ug/L	0.1034	12.82%
Al 308.215†	183884.7	84300	ug/L	225.6	84300	ug/L	225.6	0.27%
As 188.979†	589.4	315	ug/L	3.2	315	ug/L	3.2	1.01%
Ba 233.527†	54136.0	320	ug/L	1.2	320	ug/L	1.2	0.37%
Be 234.861†	1294.3	3.14	ug/L	0.216	3.14	ug/L	0.216	6.88%
Ca 315.887†	57431.1	9380	ug/L	35.4	9380	ug/L	35.4	0.38%
Cd 226.502†	870.0	0.765	ug/L	0.8279	0.765	ug/L	0.8279	108.24%
Co 228.616†	3148.7	73.0	ug/L	0.46	73.0	ug/L	0.46	0.63%
Cr 267.716†	11171.1	307	ug/L	1.1	307	ug/L	1.1	0.36%
Cu 324.752†	52136.7	195	ug/L	0.9	195	ug/L	0.9	0.45%
Fe 259.939†	2112642.3	273000	ug/L	2252.1	273000	ug/L	2252.1	0.83%
K 766.490†	10088.0	2740	ug/L	18.6	2740	ug/L	18.6	0.68%
Mg 279.077†	63823.4	5400	ug/L	35.3	5400	ug/L	35.3	0.65%
Mn 257.610†	2849903.1	5680	ug/L	32.1	5680	ug/L	32.1	0.56%
Mo 202.031†	130.0	28.0	ug/L	0.85	28.0	ug/L	0.85	3.05%
Na 589.592†	630.5	68.1	ug/L	4.02	68.1	ug/L	4.02	5.90%
Ni 231.604†	1927.1	100	ug/L	0.9	100	ug/L	0.9	0.94%
Pb 220.353†	582.1	181	ug/L	2.3	181	ug/L	2.3	1.26%
Sb 206.836†	38.4	6.30	ug/L	1.243	6.30	ug/L	1.243	19.73%
Se 196.026†	-53.8	22.3	ug/L	10.53	22.3	ug/L	10.53	47.19%
Sn 189.927†	11.3	-2.89	ug/L	1.560	-2.89	ug/L	1.560	54.03%
Sr 421.552†	16399.9	26.6	ug/L	0.12	26.6	ug/L	0.12	0.47%
Ti 334.940†	546139.4	1110	ug/L	10.1	1110	ug/L	10.1	0.91%
Tl 190.801†	-1.9	-0.713	ug/L	3.8018	-0.713	ug/L	3.8018	533.17%
V 292.402†	21133.4	469	ug/L	1.8	469	ug/L	1.8	0.38%
Zn 206.200†	8973.6	353	ug/L	0.7	353	ug/L	0.7	0.21%

Sequence No.: 10 **Autosampler Location: 39**
Sample ID: 250891010 **Date Collected: 4/10/2008 12:01:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891010

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1938205.1	105	%	0.4				0.37%
Sc Radial	193910.9	108	%	1.1				1.01%
Ag 328.068†	-680.8	0.236	ug/L	0.1763	0.473	ug/L	0.3526	74.60%
Al 308.215†	90184.9	41300	ug/L	691.6	82700	ug/L	1383.1	1.67%
As 188.979†	289.5	155	ug/L	2.0	310	ug/L	4.1	1.32%
Ba 233.527†	26696.8	158	ug/L	0.8	315	ug/L	1.6	0.49%
Be 234.861†	810.9	2.05	ug/L	0.461	4.10	ug/L	0.922	22.49%
Ca 315.887†	28974.0	4730	ug/L	72.6	9450	ug/L	145.1	1.54%
Cd 226.502†	419.0	-0.287	ug/L	0.2642	-0.574	ug/L	0.5284	92.12%
Co 228.616†	1562.4	36.3	ug/L	0.43	72.6	ug/L	0.86	1.18%
Cr 267.716†	5530.1	151	ug/L	1.0	303	ug/L	2.0	0.67%
Cu 324.752†	24804.2	92.9	ug/L	1.09	186	ug/L	2.2	1.17%
Fe 259.939†	1042608.5	135000	ug/L	2556.1	269000	ug/L	5112.1	1.90%
K 766.490†	4926.7	1340	ug/L	12.8	2680	ug/L	25.5	0.95%
Mg 279.077†	32091.1	2710	ug/L	26.9	5430	ug/L	53.7	0.99%
Mn 257.610†	1429235.6	2850	ug/L	15.9	5690	ug/L	31.8	0.56%
Mo 202.031†	61.7	13.6	ug/L	0.53	27.1	ug/L	1.06	3.91%
Na 589.592†	494.2	51.8	ug/L	1.86	104	ug/L	3.7	3.59%
Ni 231.604†	940.8	48.7	ug/L	0.67	97.4	ug/L	1.35	1.39%
Pb 220.353†	284.9	88.7	ug/L	3.02	177	ug/L	6.0	3.41%

Sb 206.836†	19.0	2.58 ug/L	2.196	5.15 ug/L	4.392	85.26%
Se 196.026†	-26.6	12.0 ug/L	2.07	24.0 ug/L	4.13	17.21%
Sn 189.927†	10.4	0.071 ug/L	3.5629	0.142 ug/L	7.1258	>999.9%
Sr 421.552†	8834.3	14.3 ug/L	0.16	28.6 ug/L	0.31	1.08%
Ti 334.940†	267456.8	544 ug/L	3.8	1090 ug/L	7.7	0.70%
Tl 190.801†	1.1	1.05 ug/L	1.784	2.11 ug/L	3.567	169.20%
V 292.402†	10328.9	229 ug/L	1.1	458 ug/L	2.2	0.49%
Zn 206.200†	4501.7	176 ug/L	1.0	353 ug/L	2.1	0.59%

Sequence No.: 11 **Autosampler Location: 40**
Sample ID: 250891011 **Date Collected: 4/10/2008 12:05:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250891011

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1941215.4	105	%	0.6				0.59%
Sc Radial	195602.9	109	%	1.7				1.54%
Ag 328.068†	-2928.3	1.30	ug/L	0.677	1.30	ug/L	0.677	52.02%
Al 308.215†	249095.9	114000	ug/L	2256.3	114000	ug/L	2256.3	1.98%
As 188.979†	629.1	351	ug/L	6.0	351	ug/L	6.0	1.70%
Ba 233.527†	69831.3	412	ug/L	1.3	412	ug/L	1.3	0.31%
Be 234.861†	1182.4	2.09	ug/L	0.619	2.09	ug/L	0.619	29.58%
Ca 315.887†	27271.7	4450	ug/L	84.5	4450	ug/L	84.5	1.90%
Cd 226.502†	1907.6	6.44	ug/L	2.095	6.44	ug/L	2.095	32.52%
Co 228.616†	4190.6	89.5	ug/L	0.57	89.5	ug/L	0.57	0.63%
Cr 267.716†	13112.5	363	ug/L	1.0	363	ug/L	1.0	0.28%
Cu 324.752†	38203.9	156	ug/L	0.8	156	ug/L	0.8	0.50%
Fe 259.939†	4428342.2	571000	ug/L	12267.1	571000	ug/L	12267.1	2.15%
K 766.490†	14457.0	3920	ug/L	87.4	3920	ug/L	87.4	2.23%
Mg 279.077†	52200.8	4510	ug/L	54.9	4510	ug/L	54.9	1.22%
Mn 257.610†	4131328.5	8230	ug/L	90.4	8230	ug/L	90.4	1.10%
Mo 202.031†	112.1	34.5	ug/L	1.88	34.5	ug/L	1.88	5.45%
Na 589.592†	794.5	87.6	ug/L	4.03	87.6	ug/L	4.03	4.59%
Ni 231.604†	2736.0	141	ug/L	1.5	141	ug/L	1.5	1.03%
Pb 220.353†	821.6	262	ug/L	1.9	262	ug/L	1.9	0.73%
Sb 206.836†	70.6	14.5	ug/L	3.00	14.5	ug/L	3.00	20.77%
Se 196.026†	-114.5	45.6	ug/L	2.65	45.6	ug/L	2.65	5.82%
Sn 189.927†	10.2	-11.0	ug/L	0.92	-11.0	ug/L	0.92	8.37%
Sr 421.552†	16701.8	27.2	ug/L	0.59	27.2	ug/L	0.59	2.16%
Ti 334.940†	1348931.9	2740	ug/L	29.2	2740	ug/L	29.2	1.06%
Tl 190.801†	-7.1	0.914	ug/L	0.8094	0.914	ug/L	0.8094	88.59%
V 292.402†	35363.2	801	ug/L	2.3	801	ug/L	2.3	0.29%
Zn 206.200†	11175.0	452	ug/L	1.8	452	ug/L	1.8	0.40%

Sequence No.: 12 **Autosampler Location: 41**
Sample ID: 250891011 **Date Collected: 4/10/2008 12:09:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891011

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1902117.6	103	%	0.5				0.51%
Sc Radial	190836.9	106	%	2.6				2.42%
Ag 328.068†	-1117.0	0.861	ug/L	0.2435	1.72	ug/L	0.487	28.29%
Al 308.215†	95308.7	43700	ug/L	1251.6	87400	ug/L	2503.2	2.86%
As 188.979†	246.4	138	ug/L	0.2	276	ug/L	0.4	0.15%
Ba 233.527†	27079.3	160	ug/L	1.3	319	ug/L	2.6	0.80%
Be 234.861†	867.4	1.98	ug/L	0.186	3.96	ug/L	0.371	9.39%
Ca 315.887†	10600.1	1720	ug/L	52.8	3450	ug/L	105.7	3.06%
Cd 226.502†	713.2	-1.07	ug/L	0.590	-2.13	ug/L	1.180	55.34%
Co 228.616†	1636.5	34.8	ug/L	0.30	69.6	ug/L	0.60	0.87%
Cr 267.716†	5117.4	142	ug/L	0.1	283	ug/L	0.1	0.05%
Cu 324.752†	14268.3	59.0	ug/L	0.59	118	ug/L	1.2	1.00%
Fe 259.939†	1812018.4	234000	ug/L	5934.2	468000	ug/L	11868.4	2.54%
K 766.490†	5359.2	1460	ug/L	34.1	2910	ug/L	68.2	2.34%
Mg 279.077†	20591.9	1780	ug/L	41.3	3560	ug/L	82.6	2.32%
Mn 257.610†	1664093.2	3310	ug/L	25.6	6630	ug/L	51.3	0.77%
Mo 202.031†	47.2	14.4	ug/L	0.71	28.9	ug/L	1.43	4.95%
Na 589.592†	259.1	23.8	ug/L	2.28	47.5	ug/L	4.55	9.59%
Ni 231.604†	1064.5	54.3	ug/L	0.69	109	ug/L	1.4	1.28%
Pb 220.353†	339.1	108	ug/L	2.2	217	ug/L	4.4	2.05%

Sb 206.836†	27.4	4.75 ug/L	2.297	9.51 ug/L	4.594	48.32%
Se 196.026†	-36.3	28.3 ug/L	4.53	56.7 ug/L	9.05	15.97%
Sn 189.927†	0.9	-5.58 ug/L	1.965	-11.2 ug/L	3.93	35.19%
Sr 421.552†	6467.9	10.5 ug/L	0.26	20.9 ug/L	0.52	2.47%
Ti 334.940†	511049.8	1040 ug/L	9.2	2080 ug/L	18.4	0.88%
Tl 190.801†	-1.8	1.53 ug/L	1.171	3.06 ug/L	2.343	76.60%
V 292.402†	13679.9	312 ug/L	2.7	624 ug/L	5.5	0.88%
Zn 206.200†	4435.0	179 ug/L	0.4	358 ug/L	0.7	0.21%

Sequence No.: 13 **Autosampler Location: 42**
Sample ID: 250891012 **Date Collected: 4/10/2008 12:14:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250891012

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1927870.0	104	%	0.4				0.38%
Sc Radial	193420.2	108	%	0.4				0.33%
Ag 328.068†	-1545.8	-0.121	ug/L	0.2648	-0.121	ug/L	0.2648	218.24%
Al 308.215†	216384.8	99200	ug/L	528.1	99200	ug/L	528.1	0.53%
As 188.979†	666.5	354	ug/L	3.7	354	ug/L	3.7	1.06%
Ba 233.527†	43881.4	259	ug/L	0.7	259	ug/L	0.7	0.29%
Be 234.861†	1302.7	3.15	ug/L	0.390	3.15	ug/L	0.390	12.39%
Ca 315.887†	18350.2	2990	ug/L	8.5	2990	ug/L	8.5	0.28%
Cd 226.502†	874.6	-0.056	ug/L	0.8775	-0.056	ug/L	0.8775	>999.9%
Co 228.616†	2817.5	64.7	ug/L	0.21	64.7	ug/L	0.21	0.32%
Cr 267.716†	7016.7	194	ug/L	0.5	194	ug/L	0.5	0.25%
Cu 324.752†	64957.3	241	ug/L	0.9	241	ug/L	0.9	0.38%
Fe 259.939†	2165394.0	279000	ug/L	1926.5	279000	ug/L	1926.5	0.69%
K 766.490†	15730.0	4260	ug/L	5.9	4260	ug/L	5.9	0.14%
Mg 279.077†	46747.5	3980	ug/L	9.0	3980	ug/L	9.0	0.23%
Mn 257.610†	1193636.2	2380	ug/L	8.9	2380	ug/L	8.9	0.37%
Mo 202.031†	127.5	27.8	ug/L	0.99	27.8	ug/L	0.99	3.56%
Na 589.592†	607.2	65.3	ug/L	0.09	65.3	ug/L	0.09	0.14%
Ni 231.604†	2506.1	131	ug/L	0.3	131	ug/L	0.3	0.26%
Pb 220.353†	513.4	162	ug/L	4.1	162	ug/L	4.1	2.51%
Sb 206.836†	26.1	2.84	ug/L	0.312	2.84	ug/L	0.312	11.00%
Se 196.026†	-51.5	28.0	ug/L	7.52	28.0	ug/L	7.52	26.84%
Sn 189.927†	26.4	3.69	ug/L	1.365	3.69	ug/L	1.365	37.00%
Sr 421.552†	16363.9	26.6	ug/L	0.14	26.6	ug/L	0.14	0.54%
Ti 334.940†	426223.2	867	ug/L	3.7	867	ug/L	3.7	0.43%
Tl 190.801†	-3.2	2.63	ug/L	1.052	2.63	ug/L	1.052	39.94%
V 292.402†	18469.0	416	ug/L	0.7	416	ug/L	0.7	0.17%
Zn 206.200†	11516.3	451	ug/L	1.4	451	ug/L	1.4	0.30%

Sequence No.: 14 **Autosampler Location: 43**
Sample ID: 250891001 **Date Collected: 4/10/2008 12:18:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250891001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1891021.4	102	%	0.6				0.59%
Sc Radial	191504.3	107	%	0.1				0.06%
Ag 328.068†	-1164.2	1.12	ug/L	0.302	1.12	ug/L	0.302	26.82%
Al 308.215†	231192.6	106000	ug/L	696.8	106000	ug/L	696.8	0.66%
As 188.979†	455.4	246	ug/L	2.3	246	ug/L	2.3	0.95%
Ba 233.527†	97923.5	580	ug/L	4.9	580	ug/L	4.9	0.84%
Be 234.861†	1651.8	4.26	ug/L	0.280	4.26	ug/L	0.280	6.59%
Ca 315.887†	14857.2	2420	ug/L	11.8	2420	ug/L	11.8	0.49%
Cd 226.502†	786.0	0.584	ug/L	0.7505	0.584	ug/L	0.7505	128.62%
Co 228.616†	5493.6	134	ug/L	0.4	134	ug/L	0.4	0.29%
Cr 267.716†	9529.0	262	ug/L	0.2	262	ug/L	0.2	0.09%
Cu 324.752†	34248.0	131	ug/L	0.8	131	ug/L	0.8	0.64%
Fe 259.939†	1915482.0	247000	ug/L	1769.9	247000	ug/L	1769.9	0.72%
K 766.490†	9758.0	2650	ug/L	4.4	2650	ug/L	4.4	0.17%
Mg 279.077†	42530.2	3620	ug/L	9.1	3620	ug/L	9.1	0.25%
Mn 257.610†	6577587.1	13100	ug/L	92.5	13100	ug/L	92.5	0.71%
Mo 202.031†	85.5	20.6	ug/L	1.78	20.6	ug/L	1.78	8.64%
Na 589.592†	573.3	61.2	ug/L	1.00	61.2	ug/L	1.00	1.63%
Ni 231.604†	1699.9	88.5	ug/L	0.71	88.5	ug/L	0.71	0.81%
Pb 220.353†	872.8	263	ug/L	2.5	263	ug/L	2.5	0.95%
Sb 206.836†	23.7	2.24	ug/L	1.232	2.24	ug/L	1.232	54.93%
Se 196.026†	-31.4	28.9	ug/L	4.24	28.9	ug/L	4.24	14.69%
Sn 189.927†	10.7	-4.26	ug/L	1.971	-4.26	ug/L	1.971	46.23%
Sr 421.552†	15485.2	25.2	ug/L	0.21	25.2	ug/L	0.21	0.85%
Ti 334.940†	711944.6	1450	ug/L	8.2	1450	ug/L	8.2	0.57%
Tl 190.801†	12.0	-2.60	ug/L	1.105	-2.60	ug/L	1.105	42.49%
V 292.402†	19694.7	436	ug/L	3.3	436	ug/L	3.3	0.76%
Zn 206.200†	7594.0	300	ug/L	0.9	300	ug/L	0.9	0.29%

Sequence No.: 15 **Autosampler Location: 44**
Sample ID: 250891001 **Date Collected: 4/10/2008 12:23:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1903264.0	103	%	0.3				0.32%
Sc Radial	189184.2	105	%	0.2				0.24%
Ag 328.068†	-611.1	0.320	ug/L	0.1310	0.640	ug/L	0.2621	40.95%
Al 308.215†	114947.5	52700	ug/L	53.2	105000	ug/L	106.5	0.10%
As 188.979†	223.1	121	ug/L	4.0	241	ug/L	7.9	3.29%
Ba 233.527†	48459.9	287	ug/L	1.2	574	ug/L	2.5	0.43%
Be 234.861†	881.7	2.28	ug/L	0.098	4.57	ug/L	0.196	4.29%
Ca 315.887†	7438.6	1210	ug/L	5.8	2410	ug/L	11.7	0.48%
Cd 226.502†	382.1	-0.628	ug/L	0.1491	-1.26	ug/L	0.298	23.74%
Co 228.616†	2716.0	66.2	ug/L	0.36	132	ug/L	0.7	0.55%
Cr 267.716†	4703.4	129	ug/L	0.4	258	ug/L	0.9	0.33%
Cu 324.752†	16498.7	63.0	ug/L	0.32	126	ug/L	0.6	0.51%
Fe 259.939†	968442.4	125000	ug/L	512.5	250000	ug/L	1025.1	0.41%
K 766.490†	4952.5	1350	ug/L	6.0	2690	ug/L	12.0	0.45%
Mg 279.077†	21502.2	1830	ug/L	3.4	3650	ug/L	6.7	0.18%
Mn 257.610†	3336330.3	6650	ug/L	3.9	13300	ug/L	7.9	0.06%
Mo 202.031†	43.9	10.6	ug/L	0.98	21.2	ug/L	1.95	9.21%
Na 589.592†	233.1	20.7	ug/L	1.79	41.3	ug/L	3.59	8.68%
Ni 231.604†	846.6	43.8	ug/L	0.65	87.6	ug/L	1.29	1.47%
Pb 220.353†	420.2	127	ug/L	2.6	254	ug/L	5.2	2.07%

Sb 206.836†	17.2	2.51	ug/L	1.156	5.03	ug/L	2.312 45.99%
Se 196.026†	-19.6	12.6	ug/L	2.30	25.3	ug/L	4.59 18.16%
Sn 189.927†	4.1	-2.71	ug/L	0.997	-5.41	ug/L	1.995 36.86%
Sr 421.552†	7822.6	12.7	ug/L	0.05	25.4	ug/L	0.09 0.37%
Ti 334.940†	343263.1	698	ug/L	3.3	1400	ug/L	6.6 0.47%
Tl 190.801†	6.7	-0.642	ug/L	3.8351	-1.28	ug/L	7.670 597.63%
V 292.402†	9679.0	215	ug/L	0.7	429	ug/L	1.3 0.30%
Zn 206.200†	3762.0	148	ug/L	0.7	296	ug/L	1.4 0.47%

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Sequence No.: 16 **Autosampler Location: 45**
Sample ID: 250891001 **Date Collected: 4/10/2008 12:27:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250891001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1882301.2	101	%	0.2				0.23%
Sc Radial	188885.7	105	%	0.8				0.77%
Ag 328.068†	-346.0	0.030	ug/L	0.0522	0.150	ug/L	0.2608	173.57%
Al 308.215†	62939.8	28900	ug/L	438.4	144000	ug/L	2191.8	1.52%
As 188.979†	124.3	67.3	ug/L	2.41	337	ug/L	12.0	3.58%
Ba 233.527†	26904.9	159	ug/L	0.8	796	ug/L	4.1	0.52%
Be 234.861†	542.5	1.42	ug/L	0.142	7.09	ug/L	0.708	9.99%
Ca 315.887†	4118.6	664	ug/L	9.0	3320	ug/L	45.0	1.36%
Cd 226.502†	211.8	-0.425	ug/L	0.0958	-2.13	ug/L	0.479	22.54%
Co 228.616†	1535.0	37.5	ug/L	0.06	187	ug/L	0.3	0.16%
Cr 267.716†	2650.5	72.3	ug/L	0.34	362	ug/L	1.7	0.47%
Cu 324.752†	9093.6	34.6	ug/L	0.41	173	ug/L	2.0	1.18%
Fe 259.939†	535801.9	69100	ug/L	155.1	346000	ug/L	775.6	0.22%
K 766.490†	2710.4	740	ug/L	10.1	3700	ug/L	50.5	1.36%
Mg 279.077†	11896.1	1010	ug/L	10.8	5050	ug/L	54.0	1.07%
Mn 257.610†	1879483.0	3740	ug/L	14.7	18700	ug/L	73.3	0.39%
Mo 202.031†	13.7	4.33	ug/L	0.924	21.6	ug/L	4.62	21.34%
Na 589.592†	112.3	6.24	ug/L	1.376	31.2	ug/L	6.88	22.05%
Ni 231.604†	478.7	24.6	ug/L	0.58	123	ug/L	2.9	2.37%
Pb 220.353†	259.2	78.2	ug/L	2.50	391	ug/L	12.5	3.20%
Sb 206.836†	11.3	1.56	ug/L	0.467	7.81	ug/L	2.333	29.89%
Se 196.026†	-9.6	8.87	ug/L	3.446	44.4	ug/L	17.23	38.82%
Sn 189.927†	4.7	-0.868	ug/L	1.4776	-4.34	ug/L	7.388	170.28%
Sr 421.552†	4325.0	6.97	ug/L	0.144	34.9	ug/L	0.72	2.07%
Ti 334.940†	193008.3	393	ug/L	0.2	1960	ug/L	1.0	0.05%
Tl 190.801†	3.6	-0.122	ug/L	1.0703	-0.608	ug/L	5.3514	879.73%
V 292.402†	5326.5	118	ug/L	0.7	591	ug/L	3.3	0.55%
Zn 206.200†	2147.7	83.6	ug/L	0.12	418	ug/L	0.6	0.14%

Sequence No.: 17 **Autosampler Location: 46**
Sample ID: 250891002 **Date Collected: 4/10/2008 12:31:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250891002

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1908213.1	103	%	0.5				0.51%
Sc Radial	195611.4	109	%	2.9				2.65%
Ag 328.068†	-1296.6	-0.392	ug/L	0.3916	-0.392	ug/L	0.3916	99.84%
Al 308.215†	237008.5	109000	ug/L	3408.9	109000	ug/L	3408.9	3.14%
As 188.979†	352.0	192	ug/L	2.4	192	ug/L	2.4	1.26%
Ba 233.527†	87955.2	521	ug/L	12.2	521	ug/L	12.2	2.34%
Be 234.861†	1586.0	4.12	ug/L	0.316	4.12	ug/L	0.316	7.68%
Ca 315.887†	12989.7	2110	ug/L	67.0	2110	ug/L	67.0	3.17%
Cd 226.502†	699.5	-0.276	ug/L	0.9590	-0.276	ug/L	0.9590	347.87%
Co 228.616†	3328.2	78.4	ug/L	0.66	78.4	ug/L	0.66	0.84%
Cr 267.716†	8753.6	240	ug/L	1.3	240	ug/L	1.3	0.56%
Cu 324.752†	21839.3	85.6	ug/L	2.10	85.6	ug/L	2.10	2.45%
Fe 259.939†	1740790.4	225000	ug/L	6666.0	225000	ug/L	6666.0	2.97%
K 766.490†	9300.6	2520	ug/L	78.0	2520	ug/L	78.0	3.09%
Mg 279.077†	47922.1	4060	ug/L	162.1	4060	ug/L	162.1	3.99%
Mn 257.610†	3295049.9	6560	ug/L	24.6	6560	ug/L	24.6	0.37%
Mo 202.031†	60.4	16.1	ug/L	0.41	16.1	ug/L	0.41	2.58%
Na 589.592†	614.8	66.2	ug/L	1.80	66.2	ug/L	1.80	2.73%
Ni 231.604†	1624.0	84.6	ug/L	0.37	84.6	ug/L	0.37	0.44%
Pb 220.353†	471.8	146	ug/L	0.7	146	ug/L	0.7	0.49%
Sb 206.836†	28.6	4.59	ug/L	0.738	4.59	ug/L	0.738	16.07%
Se 196.026†	-30.8	28.1	ug/L	4.80	28.1	ug/L	4.80	17.09%
Sn 189.927†	8.1	-4.94	ug/L	2.570	-4.94	ug/L	2.570	52.04%
Sr 421.552†	15573.1	25.3	ug/L	0.79	25.3	ug/L	0.79	3.13%
Ti 334.940†	699039.2	1420	ug/L	7.7	1420	ug/L	7.7	0.54%
Tl 190.801†	-0.8	-2.27	ug/L	1.012	-2.27	ug/L	1.012	44.57%
V 292.402†	18241.0	403	ug/L	8.6	403	ug/L	8.6	2.13%
Zn 206.200†	6102.4	242	ug/L	1.1	242	ug/L	1.1	0.47%

Sequence No.: 18 **Autosampler Location: 47**
Sample ID: 250891002 **Date Collected: 4/10/2008 12:35:56 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891002

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1924202.6	104	%	0.5				0.51%
Sc Radial	190825.0	106	%	0.1				0.08%
Ag 328.068†	-615.3	0.044	ug/L	0.1008	0.089	ug/L	0.2016	227.23%
Al 308.215†	121597.5	55700	ug/L	96.5	111000	ug/L	193.0	0.17%
As 188.979†	171.2	93.8	ug/L	0.47	188	ug/L	0.9	0.50%
Ba 233.527†	43244.3	256	ug/L	1.9	512	ug/L	3.8	0.75%
Be 234.861†	866.0	2.25	ug/L	0.284	4.51	ug/L	0.568	12.59%
Ca 315.887†	6722.1	1090	ug/L	4.6	2180	ug/L	9.2	0.42%
Cd 226.502†	348.3	-1.18	ug/L	0.560	-2.36	ug/L	1.119	47.47%
Co 228.616†	1651.2	38.8	ug/L	0.19	77.6	ug/L	0.37	0.48%
Cr 267.716†	4367.2	120	ug/L	0.4	239	ug/L	0.8	0.35%
Cu 324.752†	10403.2	41.0	ug/L	0.56	82.0	ug/L	1.13	1.38%
Fe 259.939†	910349.6	117000	ug/L	723.1	235000	ug/L	1446.3	0.62%
K 766.490†	4858.9	1320	ug/L	9.6	2640	ug/L	19.2	0.73%
Mg 279.077†	24535.3	2080	ug/L	11.4	4160	ug/L	22.8	0.55%
Mn 257.610†	1676728.2	3340	ug/L	28.2	6680	ug/L	56.3	0.84%
Mo 202.031†	26.4	7.72	ug/L	0.440	15.4	ug/L	0.88	5.70%
Na 589.592†	269.1	24.9	ug/L	3.25	49.9	ug/L	6.50	13.02%
Ni 231.604†	824.1	42.6	ug/L	0.04	85.2	ug/L	0.09	0.11%
Pb 220.353†	234.8	72.9	ug/L	1.48	146	ug/L	3.0	2.03%

Sb 206.836†	14.5	1.74 ug/L	1.617	3.48 ug/L	3.234	93.03%
Se 196.026†	-13.9	17.5 ug/L	1.28	34.9 ug/L	2.56	7.33%
Sn 189.927†	6.7	-1.73 ug/L	1.447	-3.45 ug/L	2.893	83.81%
Sr 421.552†	8104.0	13.1 ug/L	0.03	26.3 ug/L	0.07	0.25%
Ti 334.940†	345637.8	703 ug/L	5.1	1410 ug/L	10.3	0.73%
Tl 190.801†	2.6	0.891 ug/L	1.7043	1.78 ug/L	3.409	191.22%
V 292.402†	8939.7	198 ug/L	1.4	397 ug/L	2.8	0.70%
Zn 206.200†	3052.2	120 ug/L	1.0	241 ug/L	1.9	0.80%

Sequence No.: 19 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 12:40:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1833171.2	98.8	%	0.31				0.31%
Sc Radial	187101.9	104	%	0.2				0.20%
Ag 328.068†	84978.9	500	ug/L	1.2	500	ug/L	1.2	0.24%
QC value within limits for Ag 328.068 Recovery = 100.06%								
Al 308.215†	53618.5	24600	ug/L	89.0	24600	ug/L	89.0	0.36%
QC value within limits for Al 308.215 Recovery = 98.31%								
As 188.979†	1007.6	518	ug/L	2.2	518	ug/L	2.2	0.42%
QC value within limits for As 188.979 Recovery = 103.60%								
Ba 233.527†	85118.6	504	ug/L	1.5	504	ug/L	1.5	0.29%
QC value within limits for Ba 233.527 Recovery = 100.89%								
Be 234.861†	170826.7	503	ug/L	0.8	503	ug/L	0.8	0.15%
QC value within limits for Be 234.861 Recovery = 100.62%								
Ca 315.887†	150649.6	24600	ug/L	171.1	24600	ug/L	171.1	0.70%
QC value within limits for Ca 315.887 Recovery = 98.45%								
Cd 226.502†	9760.7	510	ug/L	1.8	510	ug/L	1.8	0.36%
QC value within limits for Cd 226.502 Recovery = 102.06%								
Co 228.616†	19595.7	506	ug/L	1.8	506	ug/L	1.8	0.36%
QC value within limits for Co 228.616 Recovery = 101.11%								
Cr 267.716†	18767.9	510	ug/L	1.3	510	ug/L	1.3	0.26%
QC value within limits for Cr 267.716 Recovery = 101.97%								
Cu 324.752†	139118.3	497	ug/L	1.9	497	ug/L	1.9	0.39%
QC value within limits for Cu 324.752 Recovery = 99.34%								
Fe 259.939†	313425.4	40400	ug/L	195.0	40400	ug/L	195.0	0.48%
QC value within limits for Fe 259.939 Recovery = 101.08%								
K 766.490†	87109.7	23600	ug/L	129.2	23600	ug/L	129.2	0.55%
QC value within limits for K 766.490 Recovery = 94.33%								
Mg 279.077†	294074.7	24500	ug/L	45.9	24500	ug/L	45.9	0.19%
QC value within limits for Mg 279.077 Recovery = 98.13%								
Mn 257.610†	251116.7	499	ug/L	0.6	499	ug/L	0.6	0.12%
QC value within limits for Mn 257.610 Recovery = 99.81%								
Mo 202.031†	3385.6	510	ug/L	1.2	510	ug/L	1.2	0.24%
QC value within limits for Mo 202.031 Recovery = 102.05%								
Na 589.592†	205189.3	24500	ug/L	46.9	24500	ug/L	46.9	0.19%
QC value within limits for Na 589.592 Recovery = 97.89%								
Ni 231.604†	9626.0	517	ug/L	1.9	517	ug/L	1.9	0.37%
QC value within limits for Ni 231.604 Recovery = 103.44%								
Pb 220.353†	1711.9	513	ug/L	2.0	513	ug/L	2.0	0.39%
QC value within limits for Pb 220.353 Recovery = 102.54%								
Sb 206.836†	1416.6	509	ug/L	3.4	509	ug/L	3.4	0.67%
QC value within limits for Sb 206.836 Recovery = 101.89%								
Se 196.026†	612.6	498	ug/L	5.9	498	ug/L	5.9	1.18%
QC value within limits for Se 196.026 Recovery = 99.65%								
Sn 189.927†	1145.2	404	ug/L	5.8	404	ug/L	5.8	1.43%
QC value within limits for Sn 189.927 Recovery = 100.89%								
Sr 421.552†	242330.7	396	ug/L	0.9	396	ug/L	0.9	0.23%
QC value within limits for Sr 421.552 Recovery = 98.91%								
Ti 334.940†	198334.5	403	ug/L	0.8	403	ug/L	0.8	0.20%
QC value within limits for Ti 334.940 Recovery = 100.77%								
Tl 190.801†	959.5	510	ug/L	3.7	510	ug/L	3.7	0.72%
QC value within limits for Tl 190.801 Recovery = 101.91%								
V 292.402†	24982.5	515	ug/L	0.5	515	ug/L	0.5	0.10%
QC value within limits for V 292.402 Recovery = 102.90%								
Zn 206.200†	13722.3	522	ug/L	1.9	522	ug/L	1.9	0.37%
QC value within limits for Zn 206.200 Recovery = 104.36%								

All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 12:44:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1785326.1	96.3	%	3.41				3.54%
Sc Radial	184324.6	103	%	1.1				1.10%
Ag 328.068†	-8.9	-0.276	ug/L	0.0628	-0.276	ug/L	0.0628	22.77%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	28.1	14.4	ug/L	1.20	14.4	ug/L	1.20	8.33%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.6	-1.02	ug/L	1.927	-1.02	ug/L	1.927	188.65%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-17.8	-0.239	ug/L	0.1509	-0.239	ug/L	0.1509	63.10%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-5.3	-0.029	ug/L	0.0474	-0.029	ug/L	0.0474	163.65%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	20.9	-5.36	ug/L	0.173	-5.36	ug/L	0.173	3.23%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.3	-0.207	ug/L	0.1286	-0.207	ug/L	0.1286	62.23%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-11.9	-0.220	ug/L	0.2098	-0.220	ug/L	0.2098	95.27%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	0.2	-0.605	ug/L	0.2276	-0.605	ug/L	0.2276	37.64%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	221.2	0.483	ug/L	0.9597	0.483	ug/L	0.9597	198.83%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	100.4	6.00	ug/L	1.665	6.00	ug/L	1.665	27.73%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-4.3	5.13	ug/L	11.052	5.13	ug/L	11.052	215.59%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	-7.2	-2.55	ug/L	1.430	-2.55	ug/L	1.430	56.07%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	98.8	-0.113	ug/L	0.0433	-0.113	ug/L	0.0433	38.37%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.4	0.671	ug/L	0.5728	0.671	ug/L	0.5728	85.40%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-57.6	-14.0	ug/L	3.45	-14.0	ug/L	3.45	24.56%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.0	-0.387	ug/L	0.7057	-0.387	ug/L	0.7057	182.36%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	5.5	1.80	ug/L	3.332	1.80	ug/L	3.332	185.42%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.3	0.881	ug/L	0.3789	0.881	ug/L	0.3789	43.01%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.3	1.08	ug/L	0.948	1.08	ug/L	0.948	88.14%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.6	-1.41	ug/L	2.214	-1.41	ug/L	2.214	156.52%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	29.2	-0.043	ug/L	0.0071	-0.043	ug/L	0.0071	16.68%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-5.6	-0.019	ug/L	0.0501	-0.019	ug/L	0.0501	265.97%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-4.5	-1.67	ug/L	0.656	-1.67	ug/L	0.656	39.24%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	12.7	0.235	ug/L	0.2201	0.235	ug/L	0.2201	93.62%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	0.5	-1.51	ug/L	0.353	-1.51	ug/L	0.353	23.40%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 21 **Autosampler Location: 48**
Sample ID: 250892002 **Date Collected: 4/10/2008 12:48:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 20X **Sample Prep Vol:**

Mean Data: 250892002

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1812883.4	97.7	%	1.53				1.56%
Sc Radial	187268.2	104	%	0.4				0.42%
Ag 328.068†	314.0	2.51	ug/L	0.081	50.2	ug/L	1.61	3.21%
Al 308.215†	38869.5	17800	ug/L	44.1	356000	ug/L	881.6	0.25%
As 188.979†	47.8	27.0	ug/L	5.21	540	ug/L	104.1	19.28%
Ba 233.527†	43910.3	260	ug/L	4.9	5200	ug/L	97.6	1.88%
Be 234.861†	131.6	0.324	ug/L	0.0160	6.48	ug/L	0.320	4.93%
Ca 315.887†	456206.5	74600	ug/L	197.0	1490000	ug/L	3940.4	0.26%
Cd 226.502†	736.8	34.7	ug/L	0.18	694	ug/L	3.6	0.51%
Co 228.616†	329.8	6.30	ug/L	0.161	126	ug/L	3.2	2.56%
Cr 267.716†	2116.5	57.1	ug/L	1.36	1140	ug/L	27.3	2.39%
Cu 324.752†	510375.8	1820	ug/L	45.3	36400	ug/L	905.9	2.49%
Fe 259.939†	160732.7	20700	ug/L	74.3	415000	ug/L	1485.2	0.36%
K 766.490†	10857.1	2940	ug/L	13.3	58900	ug/L	265.8	0.45%
Mg 279.077†	127881.0	10700	ug/L	62.3	213000	ug/L	1245.8	0.58%
Mn 257.610†	164320.4	327	ug/L	8.4	6530	ug/L	168.8	2.58%
Mo 202.031†	33.7	5.84	ug/L	1.034	117	ug/L	20.7	17.71%
Na 589.592†	67874.2	8090	ug/L	13.5	162000	ug/L	270.6	0.17%
Ni 231.604†	845.5	44.8	ug/L	1.29	895	ug/L	25.7	2.88%
Pb 220.353†	2137.0	637	ug/L	14.6	12700	ug/L	291.7	2.29%
Sb 206.836†	166.5	59.5	ug/L	2.39	1190	ug/L	47.8	4.02%
Se 196.026†	-16.6	-4.50	ug/L	3.161	-90.1	ug/L	63.22	70.17%
Sn 189.927†	286.8	97.8	ug/L	0.75	1960	ug/L	15.0	0.77%
Sr 421.552†	83394.7	136	ug/L	0.2	2710	ug/L	4.4	0.16%
Ti 334.940†	494611.6	1010	ug/L	25.9	20100	ug/L	518.4	2.57%
Tl 190.801†	-17.1	-8.28	ug/L	1.443	-166	ug/L	28.9	17.42%
V 292.402†	362.1	10.5	ug/L	0.27	210	ug/L	5.5	2.60%
Zn 206.200†	71166.1	2710	ug/L	48.0	54100	ug/L	959.4	1.77%

Sequence No.: 22 **Autosampler Location: 49**
Sample ID: 259891 **Date Collected: 4/10/2008 12:52:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259891

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1820195.4	98.1	%	0.35				0.36%
Sc Radial	176572.7	98.3	%	7.96				8.11%
Ag 328.068†	4.5	-0.197	ug/L	0.0414	-0.197	ug/L	0.0414	20.97%
Al 308.215†	46.0	22.6	ug/L	10.74	22.6	ug/L	10.74	47.49%
As 188.979†	-11.6	-5.58	ug/L	0.788	-5.58	ug/L	0.788	14.11%
Ba 233.527†	-21.8	-0.263	ug/L	0.0492	-0.263	ug/L	0.0492	18.74%
Be 234.861†	-11.2	-0.046	ug/L	0.0123	-0.046	ug/L	0.0123	26.54%
Ca 315.887†	1489.8	235	ug/L	21.0	235	ug/L	21.0	8.96%
Cd 226.502†	-4.0	-0.439	ug/L	0.1923	-0.439	ug/L	0.1923	43.81%
Co 228.616†	-25.2	-0.565	ug/L	0.0181	-0.565	ug/L	0.0181	3.20%
Cr 267.716†	11.5	-0.297	ug/L	0.1823	-0.297	ug/L	0.1823	61.29%
Cu 324.752†	148.9	0.224	ug/L	0.1918	0.224	ug/L	0.1918	85.57%
Fe 259.939†	48.0	-0.754	ug/L	1.0077	-0.754	ug/L	1.0077	133.63%
K 766.490†	-53.3	-8.15	ug/L	5.609	-8.15	ug/L	5.609	68.79%
Mg 279.077†	45.2	1.82	ug/L	1.954	1.82	ug/L	1.954	107.48%
Mn 257.610†	68.7	-0.173	ug/L	0.0240	-0.173	ug/L	0.0240	13.88%
Mo 202.031†	-8.1	-1.06	ug/L	0.641	-1.06	ug/L	0.641	60.68%
Na 589.592†	41.0	-2.26	ug/L	8.150	-2.26	ug/L	8.150	360.33%
Ni 231.604†	10.8	0.085	ug/L	0.1516	0.085	ug/L	0.1516	178.68%
Pb 220.353†	-0.7	-0.045	ug/L	1.3034	-0.045	ug/L	1.3034	>999.9%
Sb 206.836†	7.6	1.70	ug/L	0.472	1.70	ug/L	0.472	27.71%
Se 196.026†	-1.3	1.10	ug/L	2.639	1.10	ug/L	2.639	240.97%
Sn 189.927†	-4.8	-2.22	ug/L	1.817	-2.22	ug/L	1.817	81.98%
Sr 421.552†	209.2	0.249	ug/L	0.0277	0.249	ug/L	0.0277	11.14%
Ti 334.940†	135.1	0.268	ug/L	0.0266	0.268	ug/L	0.0266	9.92%
Tl 190.801†	-8.7	-3.89	ug/L	1.030	-3.89	ug/L	1.030	26.45%
V 292.402†	-10.8	-0.250	ug/L	0.1019	-0.250	ug/L	0.1019	40.85%
Zn 206.200†	133.3	3.54	ug/L	0.102	3.54	ug/L	0.102	2.87%

Sequence No.: 23 **Autosampler Location: 50**
Sample ID: 259892 **Date Collected: 4/10/2008 12:57:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259892

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1791700.4	96.6	%	0.13				0.14%
Sc Radial	183519.4	102	%	0.6				0.55%
Ag 328.068†	31361.6	186	ug/L	0.3	186	ug/L	0.3	0.17%
Al 308.215†	109295.6	50100	ug/L	82.0	50100	ug/L	82.0	0.16%
As 188.979†	953.9	492	ug/L	4.2	492	ug/L	4.2	0.86%
Ba 233.527†	255472.6	1510	ug/L	1.8	1510	ug/L	1.8	0.12%
Be 234.861†	173310.8	510	ug/L	2.3	510	ug/L	2.3	0.45%
Ca 315.887†	305405.4	49900	ug/L	51.9	49900	ug/L	51.9	0.10%
Cd 226.502†	9638.9	502	ug/L	1.5	502	ug/L	1.5	0.29%
Co 228.616†	19117.7	494	ug/L	1.9	494	ug/L	1.9	0.38%
Cr 267.716†	18783.9	510	ug/L	1.7	510	ug/L	1.7	0.33%
Cu 324.752†	144129.4	515	ug/L	0.5	515	ug/L	0.5	0.10%
Fe 259.939†	403253.7	52000	ug/L	47.5	52000	ug/L	47.5	0.09%
K 766.490†	178079.1	48200	ug/L	137.3	48200	ug/L	137.3	0.28%
Mg 279.077†	577083.9	48100	ug/L	327.1	48100	ug/L	327.1	0.68%
Mn 257.610†	250248.7	497	ug/L	0.6	497	ug/L	0.6	0.12%
Mo 202.031†	3365.0	508	ug/L	3.3	508	ug/L	3.3	0.66%
Na 589.592†	421465.7	50300	ug/L	96.7	50300	ug/L	96.7	0.19%
Ni 231.604†	9538.1	512	ug/L	1.3	512	ug/L	1.3	0.24%
Pb 220.353†	1678.4	503	ug/L	3.7	503	ug/L	3.7	0.73%
Sb 206.836†	1434.2	516	ug/L	2.1	516	ug/L	2.1	0.41%
Se 196.026†	600.6	491	ug/L	6.4	491	ug/L	6.4	1.31%
Sn 189.927†	1427.4	504	ug/L	3.3	504	ug/L	3.3	0.66%
Sr 421.552†	299544.3	489	ug/L	0.8	489	ug/L	0.8	0.16%
Ti 334.940†	244928.5	498	ug/L	4.1	498	ug/L	4.1	0.81%
Tl 190.801†	960.3	510	ug/L	4.0	510	ug/L	4.0	0.78%
V 292.402†	25211.2	521	ug/L	1.3	521	ug/L	1.3	0.25%
Zn 206.200†	13578.9	516	ug/L	2.3	516	ug/L	2.3	0.44%

Sequence No.: 24 **Autosampler Location: 51**
Sample ID: 259893 **Date Collected: 4/10/2008 1:01:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259893

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1742295.8	93.9	%	0.37				0.40%
Sc Radial	177269.7	98.6	%	0.57				0.58%
Ag 328.068†	34069.2	202	ug/L	0.9	202	ug/L	0.9	0.44%
Al 308.215†	109502.3	50200	ug/L	31.5	50200	ug/L	31.5	0.06%
As 188.979†	1032.7	532	ug/L	5.8	532	ug/L	5.8	1.09%
Ba 233.527†	278851.0	1650	ug/L	2.4	1650	ug/L	2.4	0.15%
Be 234.861†	187444.6	552	ug/L	1.0	552	ug/L	1.0	0.19%
Ca 315.887†	304109.4	49700	ug/L	96.7	49700	ug/L	96.7	0.19%
Cd 226.502†	10466.3	546	ug/L	1.3	546	ug/L	1.3	0.24%
Co 228.616†	20871.1	539	ug/L	3.7	539	ug/L	3.7	0.68%
Cr 267.716†	20390.5	554	ug/L	2.3	554	ug/L	2.3	0.41%
Cu 324.752†	157784.7	563	ug/L	4.3	563	ug/L	4.3	0.77%
Fe 259.939†	401848.0	51800	ug/L	50.2	51800	ug/L	50.2	0.10%
K 766.490†	177421.9	48000	ug/L	34.2	48000	ug/L	34.2	0.07%
Mg 279.077†	579435.9	48300	ug/L	130.0	48300	ug/L	130.0	0.27%
Mn 257.610†	272260.4	540	ug/L	0.6	540	ug/L	0.6	0.12%
Mo 202.031†	3670.2	553	ug/L	3.4	553	ug/L	3.4	0.62%
Na 589.592†	422233.7	50400	ug/L	64.6	50400	ug/L	64.6	0.13%
Ni 231.604†	10385.1	558	ug/L	2.1	558	ug/L	2.1	0.37%
Pb 220.353†	1824.6	547	ug/L	5.2	547	ug/L	5.2	0.96%
Sb 206.836†	1558.4	561	ug/L	4.5	561	ug/L	4.5	0.80%
Se 196.026†	647.5	528	ug/L	3.9	528	ug/L	3.9	0.74%
Sn 189.927†	1538.3	543	ug/L	4.4	543	ug/L	4.4	0.82%
Sr 421.552†	327210.6	534	ug/L	0.6	534	ug/L	0.6	0.11%
Ti 334.940†	265920.5	541	ug/L	1.6	541	ug/L	1.6	0.30%
Tl 190.801†	1046.9	556	ug/L	5.9	556	ug/L	5.9	1.06%
V 292.402†	27484.1	567	ug/L	2.6	567	ug/L	2.6	0.46%
Zn 206.200†	14799.9	563	ug/L	3.1	563	ug/L	3.1	0.55%

Sequence No.: 25 **Autosampler Location: 52**
Sample ID: 250893203 **Date Collected: 4/10/2008 1:05:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893203

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1838096.8	99.1	%	0.19				0.19%
Sc Radial	184135.4	102	%	4.0				3.88%
Ag 328.068†	-1118.8	-0.072	ug/L	0.6625	-0.072	ug/L	0.6625	913.97%
Al 308.215†	163084.5	74800	ug/L	3085.0	74800	ug/L	3085.0	4.13%
As 188.979†	428.6	229	ug/L	3.1	229	ug/L	3.1	1.33%
Ba 233.527†	61879.6	366	ug/L	0.7	366	ug/L	0.7	0.18%
Be 234.861†	680.7	1.50	ug/L	0.174	1.50	ug/L	0.174	11.63%
Ca 315.887†	15819.0	2580	ug/L	98.2	2580	ug/L	98.2	3.81%
Cd 226.502†	595.7	-2.45	ug/L	2.171	-2.45	ug/L	2.171	88.62%
Co 228.616†	5172.4	128	ug/L	1.3	128	ug/L	1.3	0.99%
Cr 267.716†	5842.5	161	ug/L	1.2	161	ug/L	1.2	0.74%
Cu 324.752†	30975.3	117	ug/L	0.5	117	ug/L	0.5	0.39%
Fe 259.939†	1584288.1	204000	ug/L	9665.8	204000	ug/L	9665.8	4.73%
K 766.490†	7049.5	1910	ug/L	69.6	1910	ug/L	69.6	3.63%
Mg 279.077†	30035.3	2560	ug/L	94.6	2560	ug/L	94.6	3.69%
Mn 257.610†	3990560.9	7950	ug/L	42.2	7950	ug/L	42.2	0.53%
Mo 202.031†	109.2	22.8	ug/L	0.49	22.8	ug/L	0.49	2.16%
Na 589.592†	508.1	53.5	ug/L	5.16	53.5	ug/L	5.16	9.65%
Ni 231.604†	1592.6	83.1	ug/L	1.11	83.1	ug/L	1.11	1.34%
Pb 220.353†	582.0	177	ug/L	3.3	177	ug/L	3.3	1.86%
Sb 206.836†	31.8	6.18	ug/L	1.592	6.18	ug/L	1.592	25.76%
Se 196.026†	-28.3	24.4	ug/L	3.90	24.4	ug/L	3.90	16.00%
Sn 189.927†	18.0	2.02	ug/L	0.874	2.02	ug/L	0.874	43.28%
Sr 421.552†	10600.6	17.2	ug/L	0.73	17.2	ug/L	0.73	4.25%
Ti 334.940†	318647.4	648	ug/L	4.2	648	ug/L	4.2	0.65%
Tl 190.801†	9.5	0.995	ug/L	2.8116	0.995	ug/L	2.8116	282.63%
V 292.402†	13715.2	308	ug/L	0.4	308	ug/L	0.4	0.12%
Zn 206.200†	7068.5	278	ug/L	0.2	278	ug/L	0.2	0.06%

Sequence No.: 26 **Autosampler Location: 53**
Sample ID: 250893203L **Date Collected: 4/10/2008 1:09:56 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250893203L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1817711.8	98.0	%	0.52				0.53%
Sc Radial	182062.2	101	%	0.7				0.68%
Ag 328.068†	-218.4	-0.169	ug/L	0.2406	-0.845	ug/L	1.2031	142.36%
Al 308.215†	32255.9	14800	ug/L	121.2	73900	ug/L	605.8	0.82%
As 188.979†	83.8	45.1	ug/L	1.17	226	ug/L	5.9	2.60%
Ba 233.527†	12585.9	74.4	ug/L	0.10	372	ug/L	0.5	0.13%
Be 234.861†	188.9	0.445	ug/L	0.1001	2.23	ug/L	0.500	22.49%
Ca 315.887†	3566.2	574	ug/L	3.4	2870	ug/L	17.1	0.60%
Cd 226.502†	120.7	-0.553	ug/L	0.1821	-2.77	ug/L	0.910	32.92%
Co 228.616†	1046.9	26.0	ug/L	0.46	130	ug/L	2.3	1.78%
Cr 267.716†	1197.4	32.5	ug/L	0.15	162	ug/L	0.8	0.47%
Cu 324.752†	6219.3	23.3	ug/L	0.38	117	ug/L	1.9	1.62%
Fe 259.939†	315323.9	40700	ug/L	70.4	203000	ug/L	351.9	0.17%
K 766.490†	1433.7	394	ug/L	13.3	1970	ug/L	66.3	3.36%
Mg 279.077†	6222.2	529	ug/L	5.4	2640	ug/L	27.0	1.02%
Mn 257.610†	828690.1	1650	ug/L	3.3	8250	ug/L	16.3	0.20%
Mo 202.031†	19.8	4.38	ug/L	0.395	21.9	ug/L	1.97	9.02%
Na 589.592†	126.5	7.93	ug/L	1.593	39.7	ug/L	7.97	20.09%
Ni 231.604†	335.4	17.1	ug/L	0.66	85.7	ug/L	3.30	3.84%
Pb 220.353†	122.0	37.2	ug/L	1.98	186	ug/L	9.9	5.33%
Sb 206.836†	6.3	0.384	ug/L	0.2091	1.92	ug/L	1.045	54.49%
Se 196.026†	-5.0	7.00	ug/L	1.433	35.0	ug/L	7.16	20.47%
Sn 189.927†	4.2	0.216	ug/L	2.0651	1.08	ug/L	10.326	954.45%
Sr 421.552†	2368.0	3.77	ug/L	0.059	18.9	ug/L	0.30	1.57%
Ti 334.940†	64816.6	132	ug/L	0.5	659	ug/L	2.4	0.37%
Tl 190.801†	-2.0	-1.37	ug/L	2.180	-6.86	ug/L	10.900	159.00%
V 292.402†	2731.9	61.4	ug/L	0.13	307	ug/L	0.7	0.21%
Zn 206.200†	1486.5	57.1	ug/L	0.64	285	ug/L	3.2	1.13%

Sequence No.: 27 **Autosampler Location: 54**
Sample ID: 259894 **Date Collected: 4/10/2008 1:14:09 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259894

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1791932.7	96.6	%	1.36				1.40%
Sc Radial	176938.1	98.5	%	7.12				7.23%
Ag 328.068†	27545.3	177	ug/L	1.4	177	ug/L	1.4	0.77%
Al 308.215†	310544.8	142000	ug/L	11402.2	142000	ug/L	11402.2	8.01%
As 188.979†	1463.8	773	ug/L	7.0	773	ug/L	7.0	0.91%
Ba 233.527†	299403.8	1770	ug/L	26.9	1770	ug/L	26.9	1.51%
Be 234.861†	162615.4	478	ug/L	7.0	478	ug/L	7.0	1.46%
Ca 315.887†	324398.5	53000	ug/L	4363.9	53000	ug/L	4363.9	8.23%
Cd 226.502†	10265.0	469	ug/L	13.0	469	ug/L	13.0	2.77%
Co 228.616†	21213.2	536	ug/L	9.5	536	ug/L	9.5	1.78%
Cr 267.716†	37289.6	1020	ug/L	14.0	1020	ug/L	14.0	1.37%
Cu 324.752†	171698.5	627	ug/L	8.7	627	ug/L	8.7	1.39%
Fe 259.939†	3473051.1	448000	ug/L	31622.8	448000	ug/L	31622.8	7.06%
K 766.490†	184121.8	49800	ug/L	4017.0	49800	ug/L	4017.0	8.06%
Mg 279.077†	596071.8	49800	ug/L	3608.9	49800	ug/L	3608.9	7.24%
Mn 257.610†	2756031.3	5490	ug/L	82.2	5490	ug/L	82.2	1.50%
Mo 202.031†	3034.3	470	ug/L	4.3	470	ug/L	4.3	0.91%
Na 589.592†	428044.3	51100	ug/L	4042.9	51100	ug/L	4042.9	7.92%
Ni 231.604†	10510.1	560	ug/L	9.5	560	ug/L	9.5	1.70%
Pb 220.353†	2174.1	663	ug/L	10.6	663	ug/L	10.6	1.60%
Sb 206.836†	601.3	203	ug/L	6.7	203	ug/L	6.7	3.29%
Se 196.026†	400.4	426	ug/L	5.1	426	ug/L	5.1	1.19%
Sn 189.927†	1228.5	424	ug/L	2.5	424	ug/L	2.5	0.58%
Sr 421.552†	314244.2	513	ug/L	39.9	513	ug/L	39.9	7.78%
Ti 334.940†	955783.5	1940	ug/L	29.5	1940	ug/L	29.5	1.52%
Tl 190.801†	892.2	477	ug/L	3.7	477	ug/L	3.7	0.78%
V 292.402†	59162.7	1270	ug/L	12.7	1270	ug/L	12.7	1.01%
Zn 206.200†	18760.3	733	ug/L	8.2	733	ug/L	8.2	1.12%

Sequence No.: 28 **Autosampler Location: 55**
Sample ID: 259895 **Date Collected: 4/10/2008 1:18:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259895

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1767740.0	95.3	%	0.36				0.38%
Sc Radial	183726.9	102	%	4.7				4.61%
Ag 328.068†	28738.3	182	ug/L	1.7	182	ug/L	1.7	0.93%
Al 308.215†	298978.9	137000	ug/L	10726.1	137000	ug/L	10726.1	7.83%
As 188.979†	1489.4	783	ug/L	4.8	783	ug/L	4.8	0.61%
Ba 233.527†	308546.7	1830	ug/L	3.0	1830	ug/L	3.0	0.17%
Be 234.861†	168266.1	495	ug/L	1.2	495	ug/L	1.2	0.24%
Ca 315.887†	310936.9	50800	ug/L	4004.7	50800	ug/L	4004.7	7.88%
Cd 226.502†	10453.6	488	ug/L	1.7	488	ug/L	1.7	0.35%
Co 228.616†	21803.1	553	ug/L	1.7	553	ug/L	1.7	0.30%
Cr 267.716†	33533.7	916	ug/L	6.1	916	ug/L	6.1	0.67%
Cu 324.752†	176736.9	643	ug/L	0.6	643	ug/L	0.6	0.09%
Fe 259.939†	3092459.6	399000	ug/L	29554.3	399000	ug/L	29554.3	7.41%
K 766.490†	178207.4	48200	ug/L	3735.4	48200	ug/L	3735.4	7.74%
Mg 279.077†	582955.5	48700	ug/L	2138.2	48700	ug/L	2138.2	4.39%
Mn 257.610†	2928479.3	5830	ug/L	8.3	5830	ug/L	8.3	0.14%
Mo 202.031†	3171.2	489	ug/L	2.8	489	ug/L	2.8	0.58%
Na 589.592†	413503.5	49300	ug/L	3808.0	49300	ug/L	3808.0	7.72%
Ni 231.604†	10713.9	572	ug/L	1.2	572	ug/L	1.2	0.21%
Pb 220.353†	2136.9	650	ug/L	3.3	650	ug/L	3.3	0.50%
Sb 206.836†	594.3	202	ug/L	2.0	202	ug/L	2.0	1.01%
Se 196.026†	438.6	444	ug/L	14.3	444	ug/L	14.3	3.23%
Sn 189.927†	1255.8	436	ug/L	1.3	436	ug/L	1.3	0.30%
Sr 421.552†	304421.0	497	ug/L	39.6	497	ug/L	39.6	7.98%
Ti 334.940†	733203.4	1490	ug/L	5.2	1490	ug/L	5.2	0.35%
Tl 190.801†	919.5	490	ug/L	4.9	490	ug/L	4.9	1.00%
V 292.402†	54988.8	1180	ug/L	3.4	1180	ug/L	3.4	0.29%
Zn 206.200†	19607.6	763	ug/L	4.8	763	ug/L	4.8	0.63%

Sequence No.: 29 **Autosampler Location: 56**
Sample ID: 250893203A **Date Collected: 4/10/2008 1:22:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893203A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1803406.0	97.2	%	0.16				0.17%
Sc Radial	182717.1	102	%	0.7				0.67%
Ag 328.068†	42521.5	258	ug/L	1.2	258	ug/L	1.2	0.47%
Al 308.215†	265947.6	122000	ug/L	189.6	122000	ug/L	189.6	0.16%
As 188.979†	1384.0	721	ug/L	6.9	721	ug/L	6.9	0.96%
Ba 233.527†	324815.5	1930	ug/L	4.4	1930	ug/L	4.4	0.23%
Be 234.861†	193191.0	568	ug/L	2.6	568	ug/L	2.6	0.46%
Ca 315.887†	323115.9	52800	ug/L	253.5	52800	ug/L	253.5	0.48%
Cd 226.502†	11094.8	548	ug/L	2.9	548	ug/L	2.9	0.53%
Co 228.616†	26314.8	675	ug/L	1.7	675	ug/L	1.7	0.25%
Cr 267.716†	26055.1	710	ug/L	2.5	710	ug/L	2.5	0.35%
Cu 324.752†	194901.2	702	ug/L	3.3	702	ug/L	3.3	0.47%
Fe 259.939†	1831075.4	236000	ug/L	2370.6	236000	ug/L	2370.6	1.00%
K 766.490†	188319.2	51000	ug/L	12.7	51000	ug/L	12.7	0.02%
Mg 279.077†	613228.9	51200	ug/L	365.4	51200	ug/L	365.4	0.71%
Mn 257.610†	3928878.7	7830	ug/L	7.9	7830	ug/L	7.9	0.10%
Mo 202.031†	3631.9	553	ug/L	3.7	553	ug/L	3.7	0.67%
Na 589.592†	431972.2	51500	ug/L	105.7	51500	ug/L	105.7	0.21%
Ni 231.604†	11933.2	639	ug/L	2.2	639	ug/L	2.2	0.34%
Pb 220.353†	2377.9	715	ug/L	2.3	715	ug/L	2.3	0.32%
Sb 206.836†	1463.7	522	ug/L	1.7	522	ug/L	1.7	0.33%
Se 196.026†	586.9	521	ug/L	4.7	521	ug/L	4.7	0.91%
Sn 189.927†	1475.3	517	ug/L	2.9	517	ug/L	2.9	0.55%
Sr 421.552†	345561.0	564	ug/L	0.8	564	ug/L	0.8	0.15%
Ti 334.940†	562905.4	1140	ug/L	3.7	1140	ug/L	3.7	0.32%
Tl 190.801†	1043.0	550	ug/L	6.6	550	ug/L	6.6	1.21%
V 292.402†	40248.4	853	ug/L	3.1	853	ug/L	3.1	0.37%
Zn 206.200†	21604.1	831	ug/L	2.5	831	ug/L	2.5	0.30%

Sequence No.: 30 **Autosampler Location: 57**
Sample ID: 250893203 **Date Collected: 4/10/2008 1:26:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893203

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1773833.8	95.6	%	3.06				3.20%
Sc Radial	190322.9	106	%	0.7				0.68%
Ag 328.068†	-572.7	-0.303	ug/L	0.2080	-0.606	ug/L	0.4160	68.69%
Al 308.215†	78929.2	36200	ug/L	86.9	72400	ug/L	173.8	0.24%
As 188.979†	219.4	117	ug/L	1.6	235	ug/L	3.2	1.38%
Ba 233.527†	32272.2	191	ug/L	5.7	382	ug/L	11.5	3.01%
Be 234.861†	399.8	0.924	ug/L	0.0214	1.85	ug/L	0.043	2.31%
Ca 315.887†	7733.2	1260	ug/L	6.8	2510	ug/L	13.5	0.54%
Cd 226.502†	312.3	-0.139	ug/L	1.2368	-0.278	ug/L	2.4736	890.45%
Co 228.616†	2716.3	67.5	ug/L	2.11	135	ug/L	4.2	3.12%
Cr 267.716†	3066.1	84.0	ug/L	2.75	168	ug/L	5.5	3.27%
Cu 324.752†	16220.1	61.1	ug/L	2.21	122	ug/L	4.4	3.62%
Fe 259.939†	771951.7	99600	ug/L	373.3	199000	ug/L	746.6	0.37%
K 766.490†	3547.8	966	ug/L	11.2	1930	ug/L	22.5	1.16%
Mg 279.077†	14809.3	1260	ug/L	17.1	2520	ug/L	34.2	1.35%
Mn 257.610†	2134198.3	4250	ug/L	171.9	8500	ug/L	343.9	4.04%
Mo 202.031†	56.6	11.7	ug/L	0.15	23.4	ug/L	0.30	1.27%
Na 589.592†	283.5	26.7	ug/L	0.32	53.3	ug/L	0.65	1.21%
Ni 231.604†	842.1	43.8	ug/L	1.70	87.6	ug/L	3.40	3.88%
Pb 220.353†	314.8	95.6	ug/L	1.88	191	ug/L	3.8	1.97%
Sb 206.836†	16.0	2.62	ug/L	1.101	5.25	ug/L	2.203	41.96%
Se 196.026†	-16.2	10.8	ug/L	3.12	21.6	ug/L	6.23	28.84%
Sn 189.927†	12.8	2.02	ug/L	1.356	4.05	ug/L	2.712	67.02%
Sr 421.552†	5237.7	8.46	ug/L	0.023	16.9	ug/L	0.05	0.28%
Ti 334.940†	165904.7	338	ug/L	8.9	675	ug/L	17.9	2.65%
Tl 190.801†	1.7	-1.16	ug/L	0.487	-2.32	ug/L	0.974	41.94%
V 292.402†	7155.7	160	ug/L	4.1	319	ug/L	8.3	2.59%
Zn 206.200†	3669.5	143	ug/L	3.9	286	ug/L	7.7	2.71%

Sequence No.: 31 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 1:31:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1768353.9	95.3	%	0.56				0.59%
Sc Radial	161580.0	89.9	%	8.43				9.38%
Ag 328.068†	86556.6	510	ug/L	2.2	510	ug/L	2.2	0.43%
QC value within limits for Ag 328.068 Recovery = 101.96%								
Al 308.215†	64186.8	29400	ug/L	3571.8	29400	ug/L	3571.8	12.14%
QC value greater than the upper limit for Al 308.215 Recovery = 117.69%								
As 188.979†	1012.4	521	ug/L	0.5	521	ug/L	0.5	0.10%
QC value within limits for As 188.979 Recovery = 104.19%								
Ba 233.527†	86418.9	512	ug/L	2.6	512	ug/L	2.6	0.50%
QC value within limits for Ba 233.527 Recovery = 102.42%								
Be 234.861†	171723.5	506	ug/L	2.5	506	ug/L	2.5	0.49%
QC value within limits for Be 234.861 Recovery = 101.14%								
Ca 315.887†	178669.3	29200	ug/L	3517.8	29200	ug/L	3517.8	12.05%
QC value greater than the upper limit for Ca 315.887 Recovery = 116.77%								
Cd 226.502†	9910.3	517	ug/L	3.8	517	ug/L	3.8	0.74%
QC value within limits for Cd 226.502 Recovery = 103.38%								
Co 228.616†	19965.2	515	ug/L	3.6	515	ug/L	3.6	0.71%
QC value within limits for Co 228.616 Recovery = 102.98%								
Cr 267.716†	18993.2	516	ug/L	2.1	516	ug/L	2.1	0.41%
QC value within limits for Cr 267.716 Recovery = 103.22%								
Cu 324.752†	143362.2	512	ug/L	1.6	512	ug/L	1.6	0.31%
QC value within limits for Cu 324.752 Recovery = 102.41%								
Fe 259.939†	375567.1	48500	ug/L	5786.0	48500	ug/L	5786.0	11.94%
QC value greater than the upper limit for Fe 259.939 Recovery = 121.13%								
K 766.490†	104229.3	28200	ug/L	3458.6	28200	ug/L	3458.6	12.26%
QC value greater than the upper limit for K 766.490 Recovery = 112.86%								
Mg 279.077†	336500.2	28100	ug/L	2851.0	28100	ug/L	2851.0	10.16%
QC value greater than the upper limit for Mg 279.077 Recovery = 112.29%								
Mn 257.610†	252648.9	502	ug/L	2.1	502	ug/L	2.1	0.42%
QC value within limits for Mn 257.610 Recovery = 100.39%								
Mo 202.031†	3453.4	521	ug/L	1.2	521	ug/L	1.2	0.24%
QC value within limits for Mo 202.031 Recovery = 104.14%								
Na 589.592†	245071.2	29200	ug/L	3560.8	29200	ug/L	3560.8	12.18%
QC value greater than the upper limit for Na 589.592 Recovery = 116.92%								
Ni 231.604†	9793.0	526	ug/L	3.0	526	ug/L	3.0	0.57%
QC value within limits for Ni 231.604 Recovery = 105.22%								
Pb 220.353†	1746.3	523	ug/L	2.9	523	ug/L	2.9	0.55%
QC value within limits for Pb 220.353 Recovery = 104.65%								
Sb 206.836†	1457.2	524	ug/L	2.5	524	ug/L	2.5	0.48%
QC value within limits for Sb 206.836 Recovery = 104.80%								
Se 196.026†	621.1	507	ug/L	9.1	507	ug/L	9.1	1.79%
QC value within limits for Se 196.026 Recovery = 101.41%								
Sn 189.927†	1166.1	411	ug/L	1.3	411	ug/L	1.3	0.32%
QC value within limits for Sn 189.927 Recovery = 102.74%								
Sr 421.552†	290291.7	474	ug/L	57.3	474	ug/L	57.3	12.10%
QC value greater than the upper limit for Sr 421.552 Recovery = 118.49%								
Ti 334.940†	202616.1	412	ug/L	3.0	412	ug/L	3.0	0.73%
QC value within limits for Ti 334.940 Recovery = 102.95%								
Tl 190.801†	968.5	515	ug/L	6.3	515	ug/L	6.3	1.23%
QC value within limits for Tl 190.801 Recovery = 102.90%								
V 292.402†	25392.9	524	ug/L	1.5	524	ug/L	1.5	0.28%
QC value within limits for V 292.402 Recovery = 104.82%								
Zn 206.200†	13900.2	529	ug/L	3.6	529	ug/L	3.6	0.69%
QC value within limits for Zn 206.200 Recovery = 105.78%								

QC Failed. Retry.

Sequence No.: 32 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 1:33:33 PM**
Analyst: **Data Type: Original**

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1775225.3	95.7	%	0.46				0.48%
Sc Radial	179730.1	100	%	0.1				0.15%
Ag 328.068†	86093.2	507	ug/L	0.6	507	ug/L	0.6	0.12%
QC value within limits for Ag 328.068 Recovery = 101.37%								
Al 308.215†	55210.8	25300	ug/L	55.4	25300	ug/L	55.4	0.22%
QC value within limits for Al 308.215 Recovery = 101.23%								
As 188.979†	1005.6	517	ug/L	2.5	517	ug/L	2.5	0.48%
QC value within limits for As 188.979 Recovery = 103.41%								
Ba 233.527†	86041.5	510	ug/L	1.1	510	ug/L	1.1	0.22%
QC value within limits for Ba 233.527 Recovery = 101.98%								
Be 234.861†	170841.5	503	ug/L	1.4	503	ug/L	1.4	0.27%
QC value within limits for Be 234.861 Recovery = 100.62%								
Ca 315.887†	153074.6	25000	ug/L	5.0	25000	ug/L	5.0	0.02%
QC value within limits for Ca 315.887 Recovery = 100.04%								
Cd 226.502†	9855.1	515	ug/L	1.5	515	ug/L	1.5	0.30%
QC value within limits for Cd 226.502 Recovery = 103.03%								
Co 228.616†	19852.9	512	ug/L	1.6	512	ug/L	1.6	0.30%
QC value within limits for Co 228.616 Recovery = 102.44%								
Cr 267.716†	18877.2	513	ug/L	0.9	513	ug/L	0.9	0.18%
QC value within limits for Cr 267.716 Recovery = 102.57%								
Cu 324.752†	142031.4	507	ug/L	1.7	507	ug/L	1.7	0.33%
QC value within limits for Cu 324.752 Recovery = 101.42%								
Fe 259.939†	322397.1	41600	ug/L	48.3	41600	ug/L	48.3	0.12%
QC value within limits for Fe 259.939 Recovery = 103.98%								
K 766.490†	89569.6	24200	ug/L	71.5	24200	ug/L	71.5	0.29%
QC value within limits for K 766.490 Recovery = 96.99%								
Mg 279.077†	300060.5	25000	ug/L	139.3	25000	ug/L	139.3	0.56%
QC value within limits for Mg 279.077 Recovery = 100.13%								
Mn 257.610†	250805.7	498	ug/L	1.4	498	ug/L	1.4	0.27%
QC value within limits for Mn 257.610 Recovery = 99.68%								
Mo 202.031†	3445.1	519	ug/L	3.4	519	ug/L	3.4	0.65%
QC value within limits for Mo 202.031 Recovery = 103.85%								
Na 589.592†	211167.2	25200	ug/L	58.8	25200	ug/L	58.8	0.23%
QC value within limits for Na 589.592 Recovery = 100.74%								
Ni 231.604†	9741.1	523	ug/L	0.5	523	ug/L	0.5	0.10%
QC value within limits for Ni 231.604 Recovery = 104.67%								
Pb 220.353†	1730.6	518	ug/L	0.7	518	ug/L	0.7	0.13%
QC value within limits for Pb 220.353 Recovery = 103.67%								
Sb 206.836†	1434.8	516	ug/L	0.8	516	ug/L	0.8	0.15%
QC value within limits for Sb 206.836 Recovery = 103.21%								
Se 196.026†	600.9	489	ug/L	7.2	489	ug/L	7.2	1.48%
QC value within limits for Se 196.026 Recovery = 97.85%								
Sn 189.927†	1162.4	410	ug/L	2.1	410	ug/L	2.1	0.52%
QC value within limits for Sn 189.927 Recovery = 102.41%								
Sr 421.552†	249604.6	408	ug/L	0.8	408	ug/L	0.8	0.19%
QC value within limits for Sr 421.552 Recovery = 101.88%								
Ti 334.940†	201670.6	410	ug/L	2.3	410	ug/L	2.3	0.56%
QC value within limits for Ti 334.940 Recovery = 102.47%								
Tl 190.801†	972.8	517	ug/L	2.5	517	ug/L	2.5	0.48%
QC value within limits for Tl 190.801 Recovery = 103.33%								
V 292.402†	25205.0	519	ug/L	1.3	519	ug/L	1.3	0.24%
QC value within limits for V 292.402 Recovery = 103.85%								
Zn 206.200†	13841.3	526	ug/L	0.8	526	ug/L	0.8	0.16%
QC value within limits for Zn 206.200 Recovery = 105.28%								

All analyte(s) passed QC.

Sequence No.: 33 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 1:37:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1796024.5	96.8	%	2.83				2.93%
Sc Radial	184134.6	102	%	0.9				0.88%
Ag 328.068†	5.2	-0.193	ug/L	0.0755	-0.193	ug/L	0.0755	39.06%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	29.7	15.1	ug/L	0.68	15.1	ug/L	0.68	4.47%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-8.6	-4.08	ug/L	1.439	-4.08	ug/L	1.439	35.31%
QC value less than the lower limit for As 188.979 Recovery = Not calculated								
Ba 233.527†	-12.5	-0.208	ug/L	0.1506	-0.208	ug/L	0.1506	72.46%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	13.1	0.025	ug/L	0.0363	0.025	ug/L	0.0363	144.36%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	24.9	-4.72	ug/L	2.223	-4.72	ug/L	2.223	47.06%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.3	-0.291	ug/L	0.1812	-0.291	ug/L	0.1812	62.28%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-18.7	-0.397	ug/L	0.3057	-0.397	ug/L	0.3057	76.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.8	-0.370	ug/L	0.2914	-0.370	ug/L	0.2914	78.76%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	119.3	0.120	ug/L	0.7229	0.120	ug/L	0.7229	603.31%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	97.1	5.59	ug/L	0.667	5.59	ug/L	0.667	11.95%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-28.5	-1.44	ug/L	2.416	-1.44	ug/L	2.416	168.08%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	17.0	-0.532	ug/L	0.2589	-0.532	ug/L	0.2589	48.68%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	93.6	-0.123	ug/L	0.0447	-0.123	ug/L	0.0447	36.22%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.4	-0.198	ug/L	0.7039	-0.198	ug/L	0.7039	354.74%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-18.0	-9.30	ug/L	3.034	-9.30	ug/L	3.034	32.61%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	12.2	0.160	ug/L	0.2406	0.160	ug/L	0.2406	150.67%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.6	1.53	ug/L	2.170	1.53	ug/L	2.170	141.52%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	10.1	2.64	ug/L	0.421	2.64	ug/L	0.421	15.94%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.9	4.43	ug/L	3.462	4.43	ug/L	3.462	78.19%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.6	-0.725	ug/L	0.5977	-0.725	ug/L	0.5977	82.49%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	30.1	-0.041	ug/L	0.0213	-0.041	ug/L	0.0213	51.63%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-4.6	-0.017	ug/L	0.0507	-0.017	ug/L	0.0507	306.60%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.9	1.22	ug/L	0.691	1.22	ug/L	0.691	56.65%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	5.6	0.088	ug/L	0.3357	0.088	ug/L	0.3357	379.76%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-0.4	-1.54	ug/L	0.052	-1.54	ug/L	0.052	3.39%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 34 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 1:40:24 PM**
Analyst: **Data Type: Original**

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

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Analysis Begun

Start Time: 4/10/2008 1:41:55 PM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 35 **Autosampler Location: 58**
Sample ID: 250893203L **Date Collected: 4/10/2008 1:41:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 25X **Sample Prep Vol:**

Mean Data: 250893203L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1799898.4	97.0	%	0.46				0.47%
Sc Radial	182315.7	101	%	0.2				0.24%
Ag 328.068†	-110.3	-0.177	ug/L	0.1277	-4.43	ug/L	3.194	72.16%
Al 308.215†	16516.2	7570	ug/L	14.3	189000	ug/L	356.3	0.19%
As 188.979†	37.7	20.6	ug/L	3.72	515	ug/L	93.0	18.06%
Ba 233.527†	6479.2	38.2	ug/L	0.54	955	ug/L	13.5	1.42%
Be 234.861†	84.8	0.185	ug/L	0.0945	4.64	ug/L	2.363	50.96%
Ca 315.887†	1637.4	259	ug/L	1.3	6470	ug/L	31.9	0.49%
Cd 226.502†	60.2	-0.527	ug/L	0.1206	-13.2	ug/L	3.02	22.89%
Co 228.616†	532.6	13.3	ug/L	0.28	331	ug/L	7.1	2.15%
Cr 267.716†	617.1	16.4	ug/L	0.16	411	ug/L	4.1	1.00%
Cu 324.752†	3255.1	12.1	ug/L	0.31	301	ug/L	7.8	2.58%
Fe 259.939†	163937.7	21100	ug/L	75.6	529000	ug/L	1889.5	0.36%
K 766.490†	746.4	208	ug/L	12.3	5210	ug/L	307.8	5.91%
Mg 279.077†	3134.6	265	ug/L	5.1	6640	ug/L	126.3	1.90%
Mn 257.610†	427220.0	851	ug/L	2.1	21300	ug/L	52.9	0.25%
Mo 202.031†	7.5	1.94	ug/L	0.445	48.4	ug/L	11.12	22.97%
Na 589.592†	52.4	-0.907	ug/L	3.9581	-22.7	ug/L	98.95	436.36%
Ni 231.604†	180.2	8.98	ug/L	0.135	225	ug/L	3.4	1.50%
Pb 220.353†	70.8	21.7	ug/L	1.40	541	ug/L	35.1	6.48%
Sb 206.836†	9.6	1.99	ug/L	1.154	49.9	ug/L	28.86	57.87%
Se 196.026†	0.4	6.99	ug/L	4.120	175	ug/L	103.0	58.95%
Sn 189.927†	-1.4	-1.40	ug/L	1.222	-35.0	ug/L	30.54	87.15%
Sr 421.552†	1101.3	1.71	ug/L	0.058	42.7	ug/L	1.46	3.42%
Ti 334.940†	33341.8	67.8	ug/L	0.68	1700	ug/L	17.1	1.01%
Tl 190.801†	1.4	0.984	ug/L	2.5443	24.6	ug/L	63.61	258.54%
V 292.402†	1416.3	31.8	ug/L	0.14	795	ug/L	3.5	0.44%
Zn 206.200†	773.0	28.9	ug/L	0.39	723	ug/L	9.7	1.34%

Sequence No.: 36 **Autosampler Location: 59**
Sample ID: 259894 **Date Collected: 4/10/2008 1:46:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 259894

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1778545.9	95.9	%	0.16				0.16%
Sc Radial	181231.8	101	%	0.2				0.23%
Ag 328.068†	14223.4	91.2	ug/L	0.41	182	ug/L	0.8	0.45%
Al 308.215†	152793.7	70000	ug/L	82.8	140000	ug/L	165.5	0.12%
As 188.979†	774.4	409	ug/L	3.6	818	ug/L	7.3	0.89%
Ba 233.527†	155073.2	919	ug/L	2.7	1840	ug/L	5.3	0.29%
Be 234.861†	84223.2	248	ug/L	0.2	495	ug/L	0.4	0.08%
Ca 315.887†	160833.1	26300	ug/L	29.1	52600	ug/L	58.3	0.11%
Cd 226.502†	5418.3	248	ug/L	1.4	497	ug/L	2.7	0.55%
Co 228.616†	11230.3	284	ug/L	1.3	568	ug/L	2.6	0.46%
Cr 267.716†	19758.8	539	ug/L	1.6	1080	ug/L	3.1	0.29%
Cu 324.752†	87209.3	319	ug/L	1.7	637	ug/L	3.3	0.52%
Fe 259.939†	1798943.5	232000	ug/L	921.9	464000	ug/L	1843.9	0.40%
K 766.490†	89950.5	24400	ug/L	75.6	48700	ug/L	151.2	0.31%
Mg 279.077†	300631.6	25100	ug/L	55.7	50300	ug/L	111.4	0.22%
Mn 257.610†	1455162.0	2900	ug/L	1.4	5790	ug/L	2.8	0.05%
Mo 202.031†	1596.2	247	ug/L	0.6	494	ug/L	1.2	0.23%
Na 589.592†	210839.2	25100	ug/L	23.2	50300	ug/L	46.3	0.09%
Ni 231.604†	5576.8	297	ug/L	0.7	594	ug/L	1.4	0.24%
Pb 220.353†	1167.4	356	ug/L	2.0	712	ug/L	4.0	0.56%
Sb 206.836†	314.9	106	ug/L	3.4	211	ug/L	6.8	3.23%
Se 196.026†	204.4	219	ug/L	2.7	438	ug/L	5.5	1.25%
Sn 189.927†	643.7	222	ug/L	2.1	444	ug/L	4.2	0.94%
Sr 421.552†	154523.6	252	ug/L	0.2	504	ug/L	0.3	0.06%
Ti 334.940†	495794.9	1010	ug/L	3.2	2020	ug/L	6.5	0.32%
Tl 190.801†	468.7	251	ug/L	1.8	502	ug/L	3.7	0.73%
V 292.402†	30784.9	659	ug/L	2.0	1320	ug/L	3.9	0.30%
Zn 206.200†	9963.0	388	ug/L	1.4	777	ug/L	2.9	0.37%

Sequence No.: 37 **Autosampler Location: 60**
Sample ID: 259895 **Date Collected: 4/10/2008 1:50:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 259895

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1782340.7	96.1	%	0.38				0.40%
Sc Radial	181483.5	101	%	0.2				0.19%
Ag 328.068†	14515.0	92.0	ug/L	0.79	184	ug/L	1.6	0.86%
Al 308.215†	151989.4	69700	ug/L	142.1	139000	ug/L	284.2	0.20%
As 188.979†	747.6	394	ug/L	4.3	787	ug/L	8.7	1.10%
Ba 233.527†	155596.2	922	ug/L	3.5	1840	ug/L	7.0	0.38%
Be 234.861†	84389.4	248	ug/L	0.7	496	ug/L	1.4	0.29%
Ca 315.887†	159045.6	26000	ug/L	78.2	52000	ug/L	156.4	0.30%
Cd 226.502†	5346.9	249	ug/L	1.0	498	ug/L	1.9	0.39%
Co 228.616†	11162.0	283	ug/L	0.8	567	ug/L	1.6	0.29%
Cr 267.716†	17337.6	473	ug/L	2.5	946	ug/L	5.0	0.53%
Cu 324.752†	87277.4	318	ug/L	2.2	636	ug/L	4.5	0.70%
Fe 259.939†	1583425.8	204000	ug/L	685.9	409000	ug/L	1371.9	0.34%
K 766.490†	89700.4	24300	ug/L	35.8	48600	ug/L	71.5	0.15%
Mg 279.077†	302478.0	25300	ug/L	90.6	50600	ug/L	181.2	0.36%
Mn 257.610†	1502756.9	2990	ug/L	6.7	5980	ug/L	13.4	0.22%
Mo 202.031†	1605.3	248	ug/L	0.2	495	ug/L	0.4	0.08%
Na 589.592†	210684.8	25100	ug/L	32.4	50300	ug/L	64.9	0.13%
Ni 231.604†	5493.8	293	ug/L	0.9	586	ug/L	1.9	0.32%
Pb 220.353†	1102.2	335	ug/L	4.1	671	ug/L	8.2	1.22%
Sb 206.836†	300.0	101	ug/L	2.5	202	ug/L	5.1	2.50%
Se 196.026†	214.4	220	ug/L	6.7	440	ug/L	13.3	3.02%
Sn 189.927†	648.7	225	ug/L	1.7	450	ug/L	3.3	0.74%
Sr 421.552†	154215.8	252	ug/L	0.4	503	ug/L	0.8	0.16%
Ti 334.940†	364137.0	740	ug/L	6.4	1480	ug/L	12.7	0.86%
Tl 190.801†	471.2	252	ug/L	2.8	503	ug/L	5.5	1.09%
V 292.402†	27892.1	596	ug/L	3.4	1190	ug/L	6.9	0.58%
Zn 206.200†	10125.0	393	ug/L	1.2	786	ug/L	2.5	0.32%

Sequence No.: 38 **Autosampler Location: 61**
Sample ID: 250893203A **Date Collected: 4/10/2008 1:54:29 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893203A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1822119.6	98.2	%	0.31				0.32%
Sc Radial	187114.5	104	%	0.6				0.56%
Ag 328.068†	47926.5	286	ug/L	0.3	573	ug/L	0.6	0.10%
Al 308.215†	188255.1	86300	ug/L	151.2	173000	ug/L	302.4	0.18%
As 188.979†	1180.1	612	ug/L	3.2	1220	ug/L	6.4	0.52%
Ba 233.527†	298616.7	1770	ug/L	5.8	3540	ug/L	11.5	0.33%
Be 234.861†	194100.6	571	ug/L	1.6	1140	ug/L	3.1	0.27%
Ca 315.887†	318893.2	52100	ug/L	193.9	104000	ug/L	387.7	0.37%
Cd 226.502†	10957.2	556	ug/L	2.3	1110	ug/L	4.6	0.41%
Co 228.616†	24168.0	622	ug/L	0.3	1240	ug/L	0.7	0.05%
Cr 267.716†	23407.9	637	ug/L	2.8	1270	ug/L	5.6	0.44%
Cu 324.752†	181114.8	650	ug/L	1.3	1300	ug/L	2.6	0.20%
Fe 259.939†	1127382.6	145000	ug/L	290.4	291000	ug/L	580.9	0.20%
K 766.490†	185327.3	50200	ug/L	118.6	100000	ug/L	237.2	0.24%
Mg 279.077†	602533.7	50300	ug/L	211.7	101000	ug/L	423.4	0.42%
Mn 257.610†	2127495.4	4240	ug/L	2.7	8470	ug/L	5.5	0.06%
Mo 202.031†	3602.9	546	ug/L	0.9	1090	ug/L	1.7	0.16%
Na 589.592†	430650.1	51400	ug/L	70.5	103000	ug/L	141.0	0.14%
Ni 231.604†	11325.3	608	ug/L	1.8	1220	ug/L	3.6	0.29%
Pb 220.353†	2136.2	641	ug/L	1.2	1280	ug/L	2.5	0.19%
Sb 206.836†	1465.8	525	ug/L	4.4	1050	ug/L	8.8	0.84%
Se 196.026†	620.7	527	ug/L	3.2	1050	ug/L	6.4	0.60%
Sn 189.927†	1476.9	519	ug/L	1.2	1040	ug/L	2.4	0.23%
Sr 421.552†	341691.7	558	ug/L	0.4	1120	ug/L	0.8	0.08%
Ti 334.940†	403669.4	821	ug/L	0.4	1640	ug/L	0.8	0.05%
Tl 190.801†	1050.4	556	ug/L	4.7	1110	ug/L	9.4	0.85%
V 292.402†	33961.4	712	ug/L	1.9	1420	ug/L	3.8	0.27%
Zn 206.200†	18653.6	714	ug/L	1.2	1430	ug/L	2.3	0.16%

Sequence No.: 39 **Autosampler Location: 62**
Sample ID: 250893204 **Date Collected: 4/10/2008 1:58:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893204

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1850518.4	99.8	%	0.34				0.34%
Sc Radial	186590.5	104	%	0.4				0.41%
Ag 328.068†	-1405.8	-0.301	ug/L	0.1108	-0.301	ug/L	0.1108	36.79%
Al 308.215†	175510.2	80400	ug/L	45.2	80400	ug/L	45.2	0.06%
As 188.979†	458.2	247	ug/L	0.8	247	ug/L	0.8	0.33%
Ba 233.527†	47737.3	282	ug/L	1.0	282	ug/L	1.0	0.36%
Be 234.861†	-17.2	-0.660	ug/L	0.1681	-0.660	ug/L	0.1681	25.47%
Ca 315.887†	15005.9	2440	ug/L	6.5	2440	ug/L	6.5	0.27%
Cd 226.502†	754.9	-1.07	ug/L	0.448	-1.07	ug/L	0.448	41.72%
Co 228.616†	3869.1	92.5	ug/L	0.46	92.5	ug/L	0.46	0.49%
Cr 267.716†	11119.7	305	ug/L	1.3	305	ug/L	1.3	0.42%
Cu 324.752†	31762.1	122	ug/L	0.3	122	ug/L	0.3	0.28%
Fe 259.939†	1915678.2	247000	ug/L	1810.1	247000	ug/L	1810.1	0.73%
K 766.490†	8089.6	2200	ug/L	11.9	2200	ug/L	11.9	0.54%
Mg 279.077†	32311.8	2760	ug/L	15.9	2760	ug/L	15.9	0.57%
Mn 257.610†	2744064.5	5470	ug/L	7.9	5470	ug/L	7.9	0.14%
Mo 202.031†	102.5	23.2	ug/L	0.16	23.2	ug/L	0.16	0.69%
Na 589.592†	581.3	62.2	ug/L	2.15	62.2	ug/L	2.15	3.46%
Ni 231.604†	1382.7	71.4	ug/L	0.54	71.4	ug/L	0.54	0.76%
Pb 220.353†	452.3	142	ug/L	3.8	142	ug/L	3.8	2.69%
Sb 206.836†	35.5	5.44	ug/L	1.253	5.44	ug/L	1.253	23.01%
Se 196.026†	-41.6	25.9	ug/L	5.03	25.9	ug/L	5.03	19.44%
Sn 189.927†	10.7	-2.31	ug/L	2.814	-2.31	ug/L	2.814	121.83%
Sr 421.552†	9314.7	15.1	ug/L	0.05	15.1	ug/L	0.05	0.36%
Ti 334.940†	469866.7	956	ug/L	4.7	956	ug/L	4.7	0.50%
Tl 190.801†	4.8	2.40	ug/L	1.627	2.40	ug/L	1.627	67.65%
V 292.402†	19251.1	427	ug/L	1.8	427	ug/L	1.8	0.41%
Zn 206.200†	7528.8	297	ug/L	0.8	297	ug/L	0.8	0.26%

Sequence No.: 40 **Autosampler Location: 63**
Sample ID: 250893204 **Date Collected: 4/10/2008 2:02:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893204

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1824578.6	98.4	%	0.21				0.21%
Sc Radial	180557.1	100	%	0.8				0.75%
Ag 328.068†	-716.4	-0.122	ug/L	0.1175	-0.243	ug/L	0.2351	96.64%
Al 308.215†	90490.5	41500	ug/L	115.8	83000	ug/L	231.6	0.28%
As 188.979†	231.7	125	ug/L	1.6	251	ug/L	3.2	1.29%
Ba 233.527†	24473.8	145	ug/L	1.1	289	ug/L	2.3	0.79%
Be 234.861†	42.5	-0.203	ug/L	0.2706	-0.406	ug/L	0.5412	133.43%
Ca 315.887†	7704.1	1250	ug/L	2.0	2500	ug/L	4.1	0.16%
Cd 226.502†	376.2	-1.84	ug/L	0.387	-3.69	ug/L	0.773	20.96%
Co 228.616†	1958.9	46.8	ug/L	0.13	93.5	ug/L	0.26	0.28%
Cr 267.716†	5688.1	156	ug/L	0.3	311	ug/L	0.6	0.21%
Cu 324.752†	16080.3	61.7	ug/L	0.60	123	ug/L	1.2	0.98%
Fe 259.939†	1010818.9	130000	ug/L	1045.2	261000	ug/L	2090.4	0.80%
K 766.490†	4277.2	1160	ug/L	11.5	2330	ug/L	23.0	0.99%
Mg 279.077†	17053.8	1460	ug/L	8.7	2910	ug/L	17.4	0.60%
Mn 257.610†	1421520.5	2830	ug/L	3.5	5660	ug/L	6.9	0.12%
Mo 202.031†	49.9	11.7	ug/L	0.47	23.3	ug/L	0.93	3.99%
Na 589.592†	232.2	20.5	ug/L	1.29	41.1	ug/L	2.58	6.27%
Ni 231.604†	706.2	36.2	ug/L	0.20	72.3	ug/L	0.39	0.54%
Pb 220.353†	237.8	74.5	ug/L	1.26	149	ug/L	2.5	1.69%

Sb 206.836†	19.8	2.82 ug/L	3.686	5.63 ug/L	7.372	130.86%
Se 196.026†	-19.5	16.6 ug/L	5.18	33.2 ug/L	10.36	31.23%
Sn 189.927†	5.2	-1.53 ug/L	1.316	-3.07 ug/L	2.631	85.84%
Sr 421.552†	4851.1	7.82 ug/L	0.046	15.6 ug/L	0.09	0.59%
Ti 334.940†	239133.9	486 ug/L	1.2	973 ug/L	2.5	0.25%
Tl 190.801†	-1.6	-0.495 ug/L	0.7135	-0.990 ug/L	1.4270	144.13%
V 292.402†	9864.1	219 ug/L	1.7	438 ug/L	3.5	0.79%
Zn 206.200†	3858.3	152 ug/L	0.5	304 ug/L	1.0	0.33%

Sequence No.: 41 **Autosampler Location: 64**
Sample ID: 250893205 **Date Collected: 4/10/2008 2:07:07 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893205

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1863538.8	100	%	0.4				0.40%
Sc Radial	189640.0	106	%	0.4				0.40%
Ag 328.068†	-1156.4	-0.427	ug/L	0.1469	-0.427	ug/L	0.1469	34.37%
Al 308.215†	219144.4	100000	ug/L	162.5	100000	ug/L	162.5	0.16%
As 188.979†	348.6	188	ug/L	5.6	188	ug/L	5.6	3.00%
Ba 233.527†	41896.0	248	ug/L	1.2	248	ug/L	1.2	0.48%
Be 234.861†	-177.0	-1.02	ug/L	0.069	-1.02	ug/L	0.069	6.78%
Ca 315.887†	3787.2	610	ug/L	2.4	610	ug/L	2.4	0.39%
Cd 226.502†	598.6	-1.54	ug/L	0.414	-1.54	ug/L	0.414	26.81%
Co 228.616†	2163.0	49.6	ug/L	0.18	49.6	ug/L	0.18	0.37%
Cr 267.716†	3768.9	105	ug/L	0.3	105	ug/L	0.3	0.29%
Cu 324.752†	34859.4	131	ug/L	0.8	131	ug/L	0.8	0.60%
Fe 259.939†	1549909.0	200000	ug/L	340.0	200000	ug/L	340.0	0.17%
K 766.490†	10469.2	2840	ug/L	18.7	2840	ug/L	18.7	0.66%
Mg 279.077†	40327.4	3420	ug/L	10.1	3420	ug/L	10.1	0.30%
Mn 257.610†	1076437.6	2140	ug/L	4.7	2140	ug/L	4.7	0.22%
Mo 202.031†	77.7	18.0	ug/L	0.81	18.0	ug/L	0.81	4.53%
Na 589.592†	880.1	97.8	ug/L	1.43	97.8	ug/L	1.43	1.46%
Ni 231.604†	1218.3	63.0	ug/L	0.27	63.0	ug/L	0.27	0.43%
Pb 220.353†	456.0	143	ug/L	2.0	143	ug/L	2.0	1.39%
Sb 206.836†	25.7	5.03	ug/L	3.102	5.03	ug/L	3.102	61.65%
Se 196.026†	-32.6	23.7	ug/L	5.45	23.7	ug/L	5.45	23.00%
Sn 189.927†	11.7	-1.34	ug/L	1.320	-1.34	ug/L	1.320	98.33%
Sr 421.552†	7889.2	12.8	ug/L	0.01	12.8	ug/L	0.01	0.11%
Ti 334.940†	456195.1	928	ug/L	0.3	928	ug/L	0.3	0.04%
Tl 190.801†	-6.2	-0.533	ug/L	2.5600	-0.533	ug/L	2.5600	479.85%
V 292.402†	14293.4	319	ug/L	1.5	319	ug/L	1.5	0.47%
Zn 206.200†	6497.8	256	ug/L	1.4	256	ug/L	1.4	0.56%

Sequence No.: 42 **Autosampler Location: 65**
Sample ID: 250893206 **Date Collected: 4/10/2008 2:11:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893206

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1830369.5	98.7	%	0.40				0.40%
Sc Radial	183627.6	102	%	0.7				0.65%
Ag 328.068†	-1122.8	-0.881	ug/L	0.0660	-0.881	ug/L	0.0660	7.49%
Al 308.215†	141364.2	64800	ug/L	36.6	64800	ug/L	36.6	0.06%
As 188.979†	344.9	185	ug/L	5.8	185	ug/L	5.8	3.11%
Ba 233.527†	58532.2	346	ug/L	1.8	346	ug/L	1.8	0.53%
Be 234.861†	396.0	0.716	ug/L	0.2440	0.716	ug/L	0.2440	34.09%
Ca 315.887†	12555.2	2040	ug/L	1.5	2040	ug/L	1.5	0.07%
Cd 226.502†	538.1	-1.69	ug/L	0.406	-1.69	ug/L	0.406	24.07%
Co 228.616†	3447.8	83.8	ug/L	0.27	83.8	ug/L	0.27	0.32%
Cr 267.716†	4566.2	126	ug/L	1.0	126	ug/L	1.0	0.76%
Cu 324.752†	29192.3	110	ug/L	0.7	110	ug/L	0.7	0.68%
Fe 259.939†	1405659.8	181000	ug/L	1716.4	181000	ug/L	1716.4	0.95%
K 766.490†	6504.5	1770	ug/L	8.5	1770	ug/L	8.5	0.48%
Mg 279.077†	31551.1	2680	ug/L	10.9	2680	ug/L	10.9	0.41%
Mn 257.610†	2811246.9	5600	ug/L	16.3	5600	ug/L	16.3	0.29%
Mo 202.031†	68.8	16.0	ug/L	0.44	16.0	ug/L	0.44	2.76%
Na 589.592†	371.6	37.2	ug/L	4.04	37.2	ug/L	4.04	10.88%
Ni 231.604†	1573.1	82.3	ug/L	0.77	82.3	ug/L	0.77	0.94%
Pb 220.353†	452.3	139	ug/L	5.0	139	ug/L	5.0	3.57%
Sb 206.836†	28.2	5.70	ug/L	4.009	5.70	ug/L	4.009	70.38%
Se 196.026†	-21.5	25.7	ug/L	2.76	25.7	ug/L	2.76	10.75%
Sn 189.927†	34.7	8.03	ug/L	0.947	8.03	ug/L	0.947	11.79%
Sr 421.552†	8776.4	14.2	ug/L	0.02	14.2	ug/L	0.02	0.16%
Ti 334.940†	347608.0	707	ug/L	2.4	707	ug/L	2.4	0.33%
Tl 190.801†	7.3	2.23	ug/L	1.774	2.23	ug/L	1.774	79.46%
V 292.402†	10819.0	246	ug/L	1.0	246	ug/L	1.0	0.42%
Zn 206.200†	7674.2	299	ug/L	1.6	299	ug/L	1.6	0.52%

Sequence No.: 43 **Autosampler Location: 66**
Sample ID: 250893206 **Date Collected: 4/10/2008 2:15:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893206

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1829299.0	98.6	%	0.40				0.41%
Sc Radial	181005.1	101	%	0.3				0.31%
Ag 328.068†	-551.2	-0.447	ug/L	0.0483	-0.895	ug/L	0.0966	10.79%
Al 308.215†	71590.4	32800	ug/L	96.1	65600	ug/L	192.1	0.29%
As 188.979†	173.6	93.5	ug/L	0.75	187	ug/L	1.5	0.80%
Ba 233.527†	29503.9	174	ug/L	0.8	349	ug/L	1.6	0.45%
Be 234.861†	274.7	0.574	ug/L	0.0451	1.15	ug/L	0.090	7.86%
Ca 315.887†	6342.4	1030	ug/L	0.7	2060	ug/L	1.3	0.06%
Cd 226.502†	264.6	-1.44	ug/L	0.543	-2.87	ug/L	1.086	37.79%
Co 228.616†	1736.4	42.3	ug/L	0.58	84.5	ug/L	1.16	1.37%
Cr 267.716†	2307.9	63.3	ug/L	0.20	127	ug/L	0.4	0.31%
Cu 324.752†	14390.7	54.3	ug/L	0.56	109	ug/L	1.1	1.04%
Fe 259.939†	714389.8	92200	ug/L	763.7	184000	ug/L	1527.3	0.83%
K 766.490†	3350.9	913	ug/L	5.9	1830	ug/L	11.8	0.65%
Mg 279.077†	16181.1	1370	ug/L	5.7	2750	ug/L	11.3	0.41%
Mn 257.610†	1432649.9	2850	ug/L	2.5	5710	ug/L	5.0	0.09%
Mo 202.031†	34.6	8.16	ug/L	0.736	16.3	ug/L	1.47	9.02%
Na 589.592†	154.8	11.3	ug/L	2.68	22.6	ug/L	5.37	23.75%
Ni 231.604†	813.7	42.3	ug/L	0.58	84.7	ug/L	1.16	1.37%
Pb 220.353†	230.5	70.9	ug/L	2.87	142	ug/L	5.7	4.04%

Sb 206.836†	17.1	3.39 ug/L	3.042	6.79 ug/L	6.083	89.63%
Se 196.026†	-15.2	10.7 ug/L	3.66	21.3 ug/L	7.33	34.36%
Sn 189.927†	19.2	4.47 ug/L	1.552	8.94 ug/L	3.104	34.73%
Sr 421.552†	4518.4	7.28 ug/L	0.048	14.6 ug/L	0.10	0.66%
Ti 334.940†	170588.5	347 ug/L	1.9	694 ug/L	3.8	0.55%
Tl 190.801†	5.7	2.55 ug/L	1.388	5.11 ug/L	2.776	54.33%
V 292.402†	5313.6	121 ug/L	1.0	243 ug/L	1.9	0.80%
Zn 206.200†	3835.1	149 ug/L	1.1	298 ug/L	2.1	0.71%

User canceled analysis.

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Analysis Begun

Start Time: 4/10/2008 2:19:05 PM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

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4/10/2008 10:35:43 AM Hg ReAlign... Actual peak offset (nm): -0.004
Drift (nm): 0.000 Slit adjustment: -33

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User canceled analysis.

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Analysis Begun

Start Time: 4/10/2008 2:20:15 PM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

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4/10/2008 10:35:43 AM Hg ReAlign... Actual peak offset (nm): -0.004
Drift (nm): 0.000 Slit adjustment: -33

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User canceled analysis.

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Analysis Begun

Start Time: 4/10/2008 2:20:28 PM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

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Sequence No.: 42 **Autosampler Location: 67**
Sample ID: 250893207 **Date Collected: 4/10/2008 2:20:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893207

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1822061.3	98.2	%	0.49				0.50%
Sc Radial	184928.3	103	%	2.1				2.06%
Ag 328.068†	-1504.4	-0.486	ug/L	0.2610	-0.486	ug/L	0.2610	53.71%
Al 308.215†	152921.1	70100	ug/L	772.0	70100	ug/L	772.0	1.10%
As 188.979†	404.7	220	ug/L	2.5	220	ug/L	2.5	1.12%
Ba 233.527†	40819.9	241	ug/L	1.1	241	ug/L	1.1	0.44%
Be 234.861†	-331.0	-1.62	ug/L	0.445	-1.62	ug/L	0.445	27.45%
Ca 315.887†	18199.0	2970	ug/L	32.3	2970	ug/L	32.3	1.09%
Cd 226.502†	791.2	-1.61	ug/L	0.888	-1.61	ug/L	0.888	55.05%
Co 228.616†	3267.3	76.6	ug/L	0.87	76.6	ug/L	0.87	1.14%
Cr 267.716†	5629.5	156	ug/L	1.5	156	ug/L	1.5	0.94%
Cu 324.752†	24571.9	96.7	ug/L	0.54	96.7	ug/L	0.54	0.56%
Fe 259.939†	2031074.1	262000	ug/L	2457.2	262000	ug/L	2457.2	0.94%
K 766.490†	7837.0	2130	ug/L	23.0	2130	ug/L	23.0	1.08%
Mg 279.077†	40951.6	3490	ug/L	78.6	3490	ug/L	78.6	2.25%
Mn 257.610†	2234618.7	4450	ug/L	2.5	4450	ug/L	2.5	0.06%
Mo 202.031†	68.6	18.5	ug/L	0.32	18.5	ug/L	0.32	1.72%
Na 589.592†	397.6	40.3	ug/L	3.29	40.3	ug/L	3.29	8.16%
Ni 231.604†	1196.9	61.2	ug/L	0.78	61.2	ug/L	0.78	1.27%
Pb 220.353†	484.2	152	ug/L	1.0	152	ug/L	1.0	0.64%
Sb 206.836†	30.3	5.12	ug/L	2.451	5.12	ug/L	2.451	47.84%
Se 196.026†	-40.8	30.9	ug/L	7.99	30.9	ug/L	7.99	25.89%
Sn 189.927†	8.5	-2.70	ug/L	1.041	-2.70	ug/L	1.041	38.52%
Sr 421.552†	8295.7	13.4	ug/L	0.14	13.4	ug/L	0.14	1.01%
Ti 334.940†	467660.1	952	ug/L	7.3	952	ug/L	7.3	0.77%
Tl 190.801†	-3.0	-0.004	ug/L	1.7361	-0.004	ug/L	1.7361	>999.9%
V 292.402†	15341.6	350	ug/L	1.0	350	ug/L	1.0	0.27%
Zn 206.200†	6197.8	247	ug/L	1.9	247	ug/L	1.9	0.76%

Sequence No.: 43 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 2:24:45 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1820764.2	98.2	%	0.33				0.33%
Sc Radial	187377.5	104	%	0.5				0.48%
Ag 328.068†	85304.7	502	ug/L	2.2	502	ug/L	2.2	0.44%
QC value within limits for Ag 328.068 Recovery = 100.44%								
Al 308.215†	53767.9	24600	ug/L	144.9	24600	ug/L	144.9	0.59%
QC value within limits for Al 308.215 Recovery = 98.59%								
As 188.979†	1006.8	518	ug/L	0.3	518	ug/L	0.3	0.05%
QC value within limits for As 188.979 Recovery = 103.52%								
Ba 233.527†	85489.2	507	ug/L	2.3	507	ug/L	2.3	0.46%
QC value within limits for Ba 233.527 Recovery = 101.32%								
Be 234.861†	169806.9	500	ug/L	0.8	500	ug/L	0.8	0.17%
QC value within limits for Be 234.861 Recovery = 100.01%								
Ca 315.887†	150542.8	24600	ug/L	140.5	24600	ug/L	140.5	0.57%
QC value within limits for Ca 315.887 Recovery = 98.38%								
Cd 226.502†	9802.7	512	ug/L	2.6	512	ug/L	2.6	0.52%
QC value within limits for Cd 226.502 Recovery = 102.50%								
Co 228.616†	19734.2	509	ug/L	2.2	509	ug/L	2.2	0.42%
QC value within limits for Co 228.616 Recovery = 101.83%								
Cr 267.716†	18772.0	510	ug/L	2.9	510	ug/L	2.9	0.57%
QC value within limits for Cr 267.716 Recovery = 102.00%								
Cu 324.752†	141107.1	504	ug/L	2.3	504	ug/L	2.3	0.46%
QC value within limits for Cu 324.752 Recovery = 100.76%								
Fe 259.939†	316812.5	40900	ug/L	286.2	40900	ug/L	286.2	0.70%
QC value within limits for Fe 259.939 Recovery = 102.18%								
K 766.490†	87259.3	23600	ug/L	161.8	23600	ug/L	161.8	0.68%
QC value within limits for K 766.490 Recovery = 94.49%								
Mg 279.077†	294080.2	24500	ug/L	114.8	24500	ug/L	114.8	0.47%
QC value within limits for Mg 279.077 Recovery = 98.13%								
Mn 257.610†	250175.2	497	ug/L	1.0	497	ug/L	1.0	0.20%
QC value within limits for Mn 257.610 Recovery = 99.44%								
Mo 202.031†	3415.0	515	ug/L	0.8	515	ug/L	0.8	0.16%
QC value within limits for Mo 202.031 Recovery = 102.94%								
Na 589.592†	205020.8	24500	ug/L	140.9	24500	ug/L	140.9	0.58%
QC value within limits for Na 589.592 Recovery = 97.81%								
Ni 231.604†	9693.5	521	ug/L	2.1	521	ug/L	2.1	0.40%
QC value within limits for Ni 231.604 Recovery = 104.16%								
Pb 220.353†	1719.2	515	ug/L	3.1	515	ug/L	3.1	0.61%
QC value within limits for Pb 220.353 Recovery = 102.98%								
Sb 206.836†	1443.0	519	ug/L	2.9	519	ug/L	2.9	0.56%
QC value within limits for Sb 206.836 Recovery = 103.80%								
Se 196.026†	614.3	500	ug/L	1.5	500	ug/L	1.5	0.29%
QC value within limits for Se 196.026 Recovery = 99.94%								
Sn 189.927†	1153.1	406	ug/L	1.0	406	ug/L	1.0	0.25%
QC value within limits for Sn 189.927 Recovery = 101.59%								
Sr 421.552†	244341.8	399	ug/L	2.3	399	ug/L	2.3	0.58%
QC value within limits for Sr 421.552 Recovery = 99.73%								
Ti 334.940†	200954.1	408	ug/L	0.8	408	ug/L	0.8	0.19%
QC value within limits for Ti 334.940 Recovery = 102.10%								
Tl 190.801†	958.4	509	ug/L	3.9	509	ug/L	3.9	0.76%
QC value within limits for Tl 190.801 Recovery = 101.79%								
V 292.402†	25064.2	516	ug/L	2.5	516	ug/L	2.5	0.48%
QC value within limits for V 292.402 Recovery = 103.25%								
Zn 206.200†	13800.3	525	ug/L	2.2	525	ug/L	2.2	0.42%
QC value within limits for Zn 206.200 Recovery = 104.96%								

All analyte(s) passed QC.

Sequence No.: 44 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 2:28:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1841795.1	99.3	%	0.90				0.91%
Sc Radial	184211.2	103	%	1.2				1.14%
Ag 328.068†	-4.7	-0.251	ug/L	0.2561	-0.251	ug/L	0.2561	101.86%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	35.9	18.0	ug/L	3.45	18.0	ug/L	3.45	19.17%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.6	-0.541	ug/L	1.5610	-0.541	ug/L	1.5610	288.42%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-11.2	-0.200	ug/L	0.0940	-0.200	ug/L	0.0940	47.00%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	14.4	0.029	ug/L	0.0133	0.029	ug/L	0.0133	45.86%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	27.2	-4.33	ug/L	0.704	-4.33	ug/L	0.704	16.25%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-1.0	-0.279	ug/L	0.1528	-0.279	ug/L	0.1528	54.70%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-15.8	-0.321	ug/L	0.1177	-0.321	ug/L	0.1177	36.63%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.2	-0.359	ug/L	0.3324	-0.359	ug/L	0.3324	92.51%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-29.5	-0.410	ug/L	0.1597	-0.410	ug/L	0.1597	38.93%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	169.6	14.9	ug/L	2.19	14.9	ug/L	2.19	14.65%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-12.5	2.91	ug/L	2.368	2.91	ug/L	2.368	81.47%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	2.8	-1.72	ug/L	0.476	-1.72	ug/L	0.476	27.75%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	94.2	-0.122	ug/L	0.0438	-0.122	ug/L	0.0438	35.84%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.7	0.266	ug/L	0.6102	0.266	ug/L	0.6102	229.51%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-88.2	-17.7	ug/L	1.05	-17.7	ug/L	1.05	5.95%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	11.4	0.118	ug/L	0.3601	0.118	ug/L	0.3601	306.09%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.1	-0.464	ug/L	2.7113	-0.464	ug/L	2.7113	584.30%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	11.1	2.99	ug/L	2.925	2.99	ug/L	2.925	97.89%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.8	0.654	ug/L	0.9142	0.654	ug/L	0.9142	139.72%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-4.9	-2.24	ug/L	1.590	-2.24	ug/L	1.590	70.85%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	39.2	-0.026	ug/L	0.0162	-0.026	ug/L	0.0162	61.62%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-16.0	-0.040	ug/L	0.0118	-0.040	ug/L	0.0118	29.73%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.8	-0.770	ug/L	1.2697	-0.770	ug/L	1.2697	165.00%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	9.1	0.162	ug/L	0.3451	0.162	ug/L	0.3451	212.43%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.7	-1.46	ug/L	0.145	-1.46	ug/L	0.145	9.94%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 45 **Autosampler Location: 49**
Sample ID: 259891 **Date Collected: 4/10/2008 2:33:09 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259891

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1822310.1	98.3	%	0.32				0.33%
Sc Radial	180389.6	100	%	0.6				0.60%
Ag 328.068†	3.9	-0.201	ug/L	0.1763	-0.201	ug/L	0.1763	87.91%
Al 308.215†	44.3	21.8	ug/L	0.46	21.8	ug/L	0.46	2.10%
As 188.979†	-11.1	-5.35	ug/L	1.460	-5.35	ug/L	1.460	27.31%
Ba 233.527†	-32.1	-0.324	ug/L	0.0945	-0.324	ug/L	0.0945	29.13%
Be 234.861†	-11.3	-0.047	ug/L	0.0049	-0.047	ug/L	0.0049	10.41%
Ca 315.887†	1398.2	220	ug/L	0.7	220	ug/L	0.7	0.30%
Cd 226.502†	-4.8	-0.478	ug/L	0.2216	-0.478	ug/L	0.2216	46.41%
Co 228.616†	-31.0	-0.714	ug/L	0.1457	-0.714	ug/L	0.1457	20.39%
Cr 267.716†	16.1	-0.174	ug/L	0.1802	-0.174	ug/L	0.1802	103.78%
Cu 324.752†	93.5	0.027	ug/L	0.1173	0.027	ug/L	0.1173	436.80%
Fe 259.939†	80.9	3.49	ug/L	0.264	3.49	ug/L	0.264	7.57%
K 766.490†	-14.3	2.43	ug/L	1.850	2.43	ug/L	1.850	76.25%
Mg 279.077†	37.1	1.14	ug/L	0.098	1.14	ug/L	0.098	8.54%
Mn 257.610†	95.5	-0.120	ug/L	0.0150	-0.120	ug/L	0.0150	12.56%
Mo 202.031†	-7.0	-0.896	ug/L	0.9870	-0.896	ug/L	0.9870	110.14%
Na 589.592†	25.3	-4.14	ug/L	1.437	-4.14	ug/L	1.437	34.73%
Ni 231.604†	7.9	-0.070	ug/L	0.1687	-0.070	ug/L	0.1687	240.53%
Pb 220.353†	8.6	2.75	ug/L	3.851	2.75	ug/L	3.851	140.19%
Sb 206.836†	12.0	3.30	ug/L	2.446	3.30	ug/L	2.446	74.01%
Se 196.026†	-0.3	1.86	ug/L	3.660	1.86	ug/L	3.660	196.57%
Sn 189.927†	-1.7	-1.12	ug/L	0.308	-1.12	ug/L	0.308	27.48%
Sr 421.552†	210.0	0.251	ug/L	0.0096	0.251	ug/L	0.0096	3.83%
Ti 334.940†	92.8	0.182	ug/L	0.0089	0.182	ug/L	0.0089	4.90%
Tl 190.801†	-4.4	-1.59	ug/L	0.863	-1.59	ug/L	0.863	54.15%
V 292.402†	8.1	0.135	ug/L	0.1901	0.135	ug/L	0.1901	141.18%
Zn 206.200†	129.3	3.39	ug/L	0.260	3.39	ug/L	0.260	7.68%

Sequence No.: 46 **Autosampler Location: 50**
Sample ID: 259892 **Date Collected: 4/10/2008 2:37:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259892

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1725399.2	93.0	%	0.33				0.36%
Sc Radial	169668.8	94.4	%	10.43				11.05%
Ag 328.068†	32202.0	191	ug/L	1.2	191	ug/L	1.2	0.61%
Al 308.215†	120076.6	55000	ug/L	7032.3	55000	ug/L	7032.3	12.78%
As 188.979†	981.6	506	ug/L	1.1	506	ug/L	1.1	0.21%
Ba 233.527†	261698.4	1550	ug/L	5.2	1550	ug/L	5.2	0.34%
Be 234.861†	176459.8	520	ug/L	1.6	520	ug/L	1.6	0.30%
Ca 315.887†	336403.7	55000	ug/L	6862.8	55000	ug/L	6862.8	12.48%
Cd 226.502†	9922.9	516	ug/L	7.3	516	ug/L	7.3	1.42%
Co 228.616†	19699.4	509	ug/L	5.1	509	ug/L	5.1	1.00%
Cr 267.716†	19347.1	526	ug/L	4.5	526	ug/L	4.5	0.86%
Cu 324.752†	148512.8	531	ug/L	6.0	531	ug/L	6.0	1.14%
Fe 259.939†	443397.1	57200	ug/L	7111.6	57200	ug/L	7111.6	12.43%
K 766.490†	192592.3	52100	ug/L	6517.0	52100	ug/L	6517.0	12.50%
Mg 279.077†	621141.8	51800	ug/L	5923.3	51800	ug/L	5923.3	11.43%
Mn 257.610†	256209.1	508	ug/L	1.8	508	ug/L	1.8	0.35%
Mo 202.031†	3443.8	520	ug/L	0.6	520	ug/L	0.6	0.12%
Na 589.592†	460878.6	55000	ug/L	6973.8	55000	ug/L	6973.8	12.68%
Ni 231.604†	9794.3	526	ug/L	5.7	526	ug/L	5.7	1.07%
Pb 220.353†	1712.7	513	ug/L	0.3	513	ug/L	0.3	0.06%
Sb 206.836†	1472.7	530	ug/L	4.0	530	ug/L	4.0	0.76%
Se 196.026†	611.4	501	ug/L	5.4	501	ug/L	5.4	1.08%
Sn 189.927†	1463.9	517	ug/L	3.2	517	ug/L	3.2	0.62%
Sr 421.552†	329249.4	537	ug/L	67.8	537	ug/L	67.8	12.61%
Ti 334.940†	249370.2	507	ug/L	1.3	507	ug/L	1.3	0.26%
Tl 190.801†	979.4	521	ug/L	4.7	521	ug/L	4.7	0.90%
V 292.402†	25911.9	536	ug/L	4.3	536	ug/L	4.3	0.80%
Zn 206.200†	13993.2	532	ug/L	4.7	532	ug/L	4.7	0.88%

Sequence No.: 47 **Autosampler Location: 51**
Sample ID: 259893 **Date Collected: 4/10/2008 2:41:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259893

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1718272.6	92.6	%	7.29				7.87%
Sc Radial	185369.9	103	%	1.1				1.04%
Ag 328.068†	34134.0	202	ug/L	16.0	202	ug/L	16.0	7.91%
Al 308.215†	107385.3	49200	ug/L	484.8	49200	ug/L	484.8	0.98%
As 188.979†	1026.1	529	ug/L	42.1	529	ug/L	42.1	7.97%
Ba 233.527†	277857.2	1650	ug/L	142.5	1650	ug/L	142.5	8.65%
Be 234.861†	188054.7	554	ug/L	48.8	554	ug/L	48.8	8.81%
Ca 315.887†	301657.9	49300	ug/L	533.5	49300	ug/L	533.5	1.08%
Cd 226.502†	10530.7	549	ug/L	45.9	549	ug/L	45.9	8.36%
Co 228.616†	20889.5	540	ug/L	43.9	540	ug/L	43.9	8.14%
Cr 267.716†	20566.7	559	ug/L	46.3	559	ug/L	46.3	8.28%
Cu 324.752†	157677.0	563	ug/L	47.6	563	ug/L	47.6	8.46%
Fe 259.939†	396794.1	51200	ug/L	562.9	51200	ug/L	562.9	1.10%
K 766.490†	172288.9	46600	ug/L	634.2	46600	ug/L	634.2	1.36%
Mg 279.077†	567416.5	47300	ug/L	345.1	47300	ug/L	345.1	0.73%
Mn 257.610†	273001.6	542	ug/L	47.2	542	ug/L	47.2	8.71%
Mo 202.031†	3639.9	549	ug/L	40.6	549	ug/L	40.6	7.40%
Na 589.592†	412540.5	49200	ug/L	554.7	49200	ug/L	554.7	1.13%
Ni 231.604†	10405.3	559	ug/L	45.4	559	ug/L	45.4	8.12%
Pb 220.353†	1808.2	542	ug/L	38.6	542	ug/L	38.6	7.12%
Sb 206.836†	1552.6	558	ug/L	39.8	558	ug/L	39.8	7.13%
Se 196.026†	642.9	524	ug/L	37.5	524	ug/L	37.5	7.15%
Sn 189.927†	1534.6	542	ug/L	39.7	542	ug/L	39.7	7.34%
Sr 421.552†	308976.3	504	ug/L	5.3	504	ug/L	5.3	1.05%
Ti 334.940†	265120.6	539	ug/L	45.6	539	ug/L	45.6	8.46%
Tl 190.801†	1029.7	547	ug/L	44.9	547	ug/L	44.9	8.20%
V 292.402†	27510.2	567	ug/L	45.1	567	ug/L	45.1	7.94%
Zn 206.200†	14845.9	564	ug/L	44.9	564	ug/L	44.9	7.96%

Sequence No.: 48 **Autosampler Location: 52**
Sample ID: 250893203 **Date Collected: 4/10/2008 2:45:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893203

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1841788.2	99.3	%	0.31				0.31%
Sc Radial	184533.8	103	%	0.4				0.42%
Ag 328.068†	-1049.2	0.241	ug/L	0.1716	0.241	ug/L	0.1716	71.18%
Al 308.215†	161703.5	74100	ug/L	79.6	74100	ug/L	79.6	0.11%
As 188.979†	428.1	229	ug/L	3.0	229	ug/L	3.0	1.33%
Ba 233.527†	61912.8	366	ug/L	1.7	366	ug/L	1.7	0.46%
Be 234.861†	998.5	2.44	ug/L	0.223	2.44	ug/L	0.223	9.13%
Ca 315.887†	15676.5	2550	ug/L	1.1	2550	ug/L	1.1	0.04%
Cd 226.502†	606.3	-1.39	ug/L	0.219	-1.39	ug/L	0.219	15.81%
Co 228.616†	5161.5	128	ug/L	0.1	128	ug/L	0.1	0.11%
Cr 267.716†	5881.0	162	ug/L	0.7	162	ug/L	0.7	0.45%
Cu 324.752†	30963.7	117	ug/L	0.6	117	ug/L	0.6	0.50%
Fe 259.939†	1560896.2	201000	ug/L	745.1	201000	ug/L	745.1	0.37%
K 766.490†	6910.8	1880	ug/L	6.7	1880	ug/L	6.7	0.36%
Mg 279.077†	30293.0	2580	ug/L	18.4	2580	ug/L	18.4	0.71%
Mn 257.610†	4027653.9	8020	ug/L	6.5	8020	ug/L	6.5	0.08%
Mo 202.031†	111.6	23.1	ug/L	0.74	23.1	ug/L	0.74	3.20%
Na 589.592†	502.8	52.8	ug/L	1.76	52.8	ug/L	1.76	3.33%
Ni 231.604†	1584.5	82.7	ug/L	0.56	82.7	ug/L	0.56	0.68%
Pb 220.353†	569.9	174	ug/L	4.7	174	ug/L	4.7	2.73%
Sb 206.836†	27.3	4.59	ug/L	0.548	4.59	ug/L	0.548	11.94%
Se 196.026†	-29.4	22.8	ug/L	4.57	22.8	ug/L	4.57	20.07%
Sn 189.927†	20.7	2.98	ug/L	1.156	2.98	ug/L	1.156	38.85%
Sr 421.552†	10485.4	17.0	ug/L	0.02	17.0	ug/L	0.02	0.14%
Ti 334.940†	320651.1	652	ug/L	3.9	652	ug/L	3.9	0.59%
Tl 190.801†	7.9	-0.053	ug/L	2.3833	-0.053	ug/L	2.3833	>999.9%
V 292.402†	13735.7	308	ug/L	1.3	308	ug/L	1.3	0.44%
Zn 206.200†	7072.9	278	ug/L	1.7	278	ug/L	1.7	0.62%

Sequence No.: 49 **Autosampler Location: 53**
Sample ID: 250893203L **Date Collected: 4/10/2008 2:49:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250893203L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1861955.3	100	%	0.3				0.35%
Sc Radial	187739.6	104	%	0.7				0.66%
Ag 328.068†	-201.0	-0.061	ug/L	0.1314	-0.304	ug/L	0.6570	216.17%
Al 308.215†	32155.0	14700	ug/L	14.6	73700	ug/L	72.9	0.10%
As 188.979†	83.9	45.2	ug/L	4.41	226	ug/L	22.1	9.77%
Ba 233.527†	12572.5	74.3	ug/L	0.55	371	ug/L	2.7	0.74%
Be 234.861†	316.5	0.820	ug/L	0.0496	4.10	ug/L	0.248	6.04%
Ca 315.887†	3561.6	573	ug/L	6.0	2870	ug/L	30.2	1.05%
Cd 226.502†	120.3	-0.602	ug/L	0.4906	-3.01	ug/L	2.453	81.53%
Co 228.616†	1059.4	26.3	ug/L	0.23	132	ug/L	1.2	0.88%
Cr 267.716†	1201.0	32.6	ug/L	0.03	163	ug/L	0.1	0.08%
Cu 324.752†	6129.1	23.0	ug/L	0.43	115	ug/L	2.1	1.86%
Fe 259.939†	316793.0	40900	ug/L	97.6	204000	ug/L	488.1	0.24%
K 766.490†	1533.8	421	ug/L	7.3	2110	ug/L	36.5	1.73%
Mg 279.077†	6218.6	528	ug/L	4.9	2640	ug/L	24.5	0.93%
Mn 257.610†	837884.2	1670	ug/L	2.8	8340	ug/L	14.0	0.17%
Mo 202.031†	22.2	4.74	ug/L	1.030	23.7	ug/L	5.15	21.72%
Na 589.592†	244.0	21.9	ug/L	3.02	110	ug/L	15.1	13.76%
Ni 231.604†	336.8	17.2	ug/L	0.06	86.1	ug/L	0.32	0.38%
Pb 220.353†	129.7	39.5	ug/L	2.51	198	ug/L	12.5	6.35%
Sb 206.836†	8.5	1.18	ug/L	0.254	5.91	ug/L	1.271	21.51%
Se 196.026†	-5.8	6.37	ug/L	3.723	31.9	ug/L	18.61	58.41%
Sn 189.927†	1.1	-0.901	ug/L	0.4626	-4.50	ug/L	2.313	51.35%
Sr 421.552†	2480.7	3.96	ug/L	0.027	19.8	ug/L	0.13	0.68%
Ti 334.940†	64465.8	131	ug/L	1.3	656	ug/L	6.4	0.97%
Tl 190.801†	0.1	-0.241	ug/L	1.7868	-1.21	ug/L	8.934	740.11%
V 292.402†	2735.8	61.5	ug/L	0.48	307	ug/L	2.4	0.79%
Zn 206.200†	1518.0	58.3	ug/L	0.48	291	ug/L	2.4	0.82%

Sequence No.: 50 **Autosampler Location: 54**
Sample ID: 259894 **Date Collected: 4/10/2008 2:54:09 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259894

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1771366.3	95.5	%	0.41				0.43%
Sc Radial	178809.3	99.5	%	6.40				6.44%
Ag 328.068†	28065.7	180	ug/L	1.1	180	ug/L	1.1	0.63%
Al 308.215†	309967.3	142000	ug/L	10382.2	142000	ug/L	10382.2	7.31%
As 188.979†	1505.7	795	ug/L	5.7	795	ug/L	5.7	0.71%
Ba 233.527†	304414.1	1800	ug/L	4.5	1800	ug/L	4.5	0.25%
Be 234.861†	167522.3	492	ug/L	0.9	492	ug/L	0.9	0.18%
Ca 315.887†	328152.3	53600	ug/L	3771.1	53600	ug/L	3771.1	7.03%
Cd 226.502†	10495.1	481	ug/L	5.4	481	ug/L	5.4	1.13%
Co 228.616†	21574.0	545	ug/L	4.1	545	ug/L	4.1	0.74%
Cr 267.716†	38206.1	1040	ug/L	6.4	1040	ug/L	6.4	0.62%
Cu 324.752†	173291.0	633	ug/L	0.2	633	ug/L	0.2	0.03%
Fe 259.939†	3486488.3	450000	ug/L	29412.7	450000	ug/L	29412.7	6.54%
K 766.490†	180957.4	49000	ug/L	3474.6	49000	ug/L	3474.6	7.09%
Mg 279.077†	593594.1	49600	ug/L	3167.0	49600	ug/L	3167.0	6.38%
Mn 257.610†	2831467.1	5640	ug/L	10.2	5640	ug/L	10.2	0.18%
Mo 202.031†	3080.9	477	ug/L	5.7	477	ug/L	5.7	1.20%
Na 589.592†	426103.3	50800	ug/L	3705.5	50800	ug/L	3705.5	7.29%
Ni 231.604†	10690.6	570	ug/L	3.1	570	ug/L	3.1	0.55%
Pb 220.353†	2229.3	679	ug/L	1.5	679	ug/L	1.5	0.23%
Sb 206.836†	603.6	203	ug/L	3.5	203	ug/L	3.5	1.74%
Se 196.026†	407.9	432	ug/L	10.8	432	ug/L	10.8	2.51%
Sn 189.927†	1250.9	432	ug/L	2.3	432	ug/L	2.3	0.54%
Sr 421.552†	314319.0	513	ug/L	37.0	513	ug/L	37.0	7.20%
Ti 334.940†	962506.6	1960	ug/L	2.5	1960	ug/L	2.5	0.13%
Tl 190.801†	898.0	480	ug/L	0.4	480	ug/L	0.4	0.09%
V 292.402†	60075.3	1290	ug/L	3.5	1290	ug/L	3.5	0.28%
Zn 206.200†	19180.1	749	ug/L	4.9	749	ug/L	4.9	0.66%

Sequence No.: 51 **Autosampler Location: 55**
Sample ID: 259895 **Date Collected: 4/10/2008 2:58:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259895

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1769577.2	95.4	%	0.36				0.38%
Sc Radial	177783.5	98.9	%	9.76				9.87%
Ag 328.068†	29014.8	184	ug/L	1.6	184	ug/L	1.6	0.87%
Al 308.215†	318086.2	146000	ug/L	21668.8	146000	ug/L	21668.8	14.86%
As 188.979†	1498.1	789	ug/L	8.2	789	ug/L	8.2	1.04%
Ba 233.527†	309432.4	1830	ug/L	7.3	1830	ug/L	7.3	0.40%
Be 234.861†	171217.0	503	ug/L	3.3	503	ug/L	3.3	0.66%
Ca 315.887†	334882.4	54700	ug/L	8338.3	54700	ug/L	8338.3	15.24%
Cd 226.502†	10529.1	489	ug/L	7.6	489	ug/L	7.6	1.56%
Co 228.616†	21838.2	554	ug/L	2.4	554	ug/L	2.4	0.42%
Cr 267.716†	33948.1	927	ug/L	1.0	927	ug/L	1.0	0.11%
Cu 324.752†	175946.7	641	ug/L	1.2	641	ug/L	1.2	0.18%
Fe 259.939†	3224274.7	416000	ug/L	44578.3	416000	ug/L	44578.3	10.72%
K 766.490†	186608.3	50500	ug/L	7625.5	50500	ug/L	7625.5	15.10%
Mg 279.077†	610110.5	51000	ug/L	5283.9	51000	ug/L	5283.9	10.36%
Mn 257.610†	2975904.4	5920	ug/L	26.0	5920	ug/L	26.0	0.44%
Mo 202.031†	3184.4	492	ug/L	1.7	492	ug/L	1.7	0.35%
Na 589.592†	437859.9	52200	ug/L	7756.8	52200	ug/L	7756.8	14.85%
Ni 231.604†	10720.2	572	ug/L	0.6	572	ug/L	0.6	0.10%
Pb 220.353†	2136.2	650	ug/L	8.1	650	ug/L	8.1	1.25%
Sb 206.836†	597.1	202	ug/L	3.5	202	ug/L	3.5	1.75%
Se 196.026†	445.4	453	ug/L	11.2	453	ug/L	11.2	2.48%
Sn 189.927†	1277.8	444	ug/L	3.6	444	ug/L	3.6	0.82%
Sr 421.552†	324240.3	529	ug/L	79.7	529	ug/L	79.7	15.06%
Ti 334.940†	730861.9	1490	ug/L	7.4	1490	ug/L	7.4	0.50%
Tl 190.801†	927.2	495	ug/L	3.6	495	ug/L	3.6	0.73%
V 292.402†	55200.4	1180	ug/L	2.9	1180	ug/L	2.9	0.25%
Zn 206.200†	19770.7	770	ug/L	2.2	770	ug/L	2.2	0.28%

Sequence No.: 52 **Autosampler Location: 56**
Sample ID: 250893203A **Date Collected: 4/10/2008 3:02:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893203A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1772268.6	95.6	%	0.81				0.85%
Sc Radial	180589.5	100	%	10.9				10.85%
Ag 328.068†	46482.9	281	ug/L	10.0	281	ug/L	10.0	3.56%
Al 308.215†	280294.2	128000	ug/L	14264.9	128000	ug/L	14264.9	11.10%
As 188.979†	1444.3	752	ug/L	1.7	752	ug/L	1.7	0.23%
Ba 233.527†	339862.8	2010	ug/L	20.4	2010	ug/L	20.4	1.01%
Be 234.861†	206507.9	608	ug/L	5.4	608	ug/L	5.4	0.88%
Ca 315.887†	349223.2	57100	ug/L	6463.8	57100	ug/L	6463.8	11.33%
Cd 226.502†	11640.9	575	ug/L	10.6	575	ug/L	10.6	1.84%
Co 228.616†	27522.7	706	ug/L	6.1	706	ug/L	6.1	0.87%
Cr 267.716†	27440.0	748	ug/L	7.0	748	ug/L	7.0	0.93%
Cu 324.752†	202780.6	731	ug/L	6.1	731	ug/L	6.1	0.83%
Fe 259.939†	1937454.3	250000	ug/L	33271.8	250000	ug/L	33271.8	13.31%
K 766.490†	197628.7	53500	ug/L	5903.7	53500	ug/L	5903.7	11.04%
Mg 279.077†	642577.3	53700	ug/L	6021.6	53700	ug/L	6021.6	11.22%
Mn 257.610†	4097912.3	8160	ug/L	95.2	8160	ug/L	95.2	1.17%
Mo 202.031†	3797.8	579	ug/L	6.0	579	ug/L	6.0	1.03%
Na 589.592†	457027.0	54500	ug/L	5999.3	54500	ug/L	5999.3	11.00%
Ni 231.604†	12411.9	665	ug/L	8.0	665	ug/L	8.0	1.20%
Pb 220.353†	2491.7	749	ug/L	5.3	749	ug/L	5.3	0.71%
Sb 206.836†	1532.4	547	ug/L	5.2	547	ug/L	5.2	0.95%
Se 196.026†	630.1	558	ug/L	8.1	558	ug/L	8.1	1.46%
Sn 189.927†	1551.1	544	ug/L	7.6	544	ug/L	7.6	1.40%
Sr 421.552†	372372.5	608	ug/L	65.2	608	ug/L	65.2	10.72%
Ti 334.940†	581559.9	1180	ug/L	10.2	1180	ug/L	10.2	0.86%
Tl 190.801†	1097.5	578	ug/L	1.8	578	ug/L	1.8	0.30%
V 292.402†	42000.1	891	ug/L	7.6	891	ug/L	7.6	0.85%
Zn 206.200†	22683.5	872	ug/L	6.3	872	ug/L	6.3	0.72%

Sequence No.: 53 **Autosampler Location: 57**
Sample ID: 250893203 **Date Collected: 4/10/2008 3:06:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893203

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1840562.3	99.2	%	0.43				0.44%
Sc Radial	183506.2	102	%	0.4				0.34%
Ag 328.068†	-398.6	0.805	ug/L	0.1020	1.61	ug/L	0.204	12.67%
Al 308.215†	81267.8	37300	ug/L	183.9	74500	ug/L	367.7	0.49%
As 188.979†	220.4	118	ug/L	3.4	236	ug/L	6.8	2.89%
Ba 233.527†	31156.5	184	ug/L	1.4	369	ug/L	2.9	0.79%
Be 234.861†	674.0	1.72	ug/L	0.142	3.45	ug/L	0.284	8.25%
Ca 315.887†	8020.7	1300	ug/L	8.9	2600	ug/L	17.7	0.68%
Cd 226.502†	301.9	-1.17	ug/L	0.235	-2.33	ug/L	0.469	20.14%
Co 228.616†	2601.8	64.4	ug/L	0.08	129	ug/L	0.2	0.12%
Cr 267.716†	2962.8	81.3	ug/L	0.63	163	ug/L	1.3	0.78%
Cu 324.752†	15421.3	58.3	ug/L	0.27	117	ug/L	0.5	0.46%
Fe 259.939†	794375.7	102000	ug/L	92.7	205000	ug/L	185.5	0.09%
K 766.490†	3601.0	981	ug/L	11.6	1960	ug/L	23.2	1.18%
Mg 279.077†	15417.0	1310	ug/L	5.1	2630	ug/L	10.1	0.39%
Mn 257.610†	2069019.8	4120	ug/L	21.0	8240	ug/L	41.9	0.51%
Mo 202.031†	56.0	11.7	ug/L	0.45	23.4	ug/L	0.89	3.81%
Na 589.592†	320.1	31.0	ug/L	2.38	62.1	ug/L	4.77	7.68%
Ni 231.604†	814.3	42.3	ug/L	0.90	84.6	ug/L	1.80	2.12%
Pb 220.353†	287.7	87.7	ug/L	2.27	175	ug/L	4.5	2.59%
Sb 206.836†	15.4	2.38	ug/L	1.128	4.75	ug/L	2.255	47.47%
Se 196.026†	-19.0	9.35	ug/L	1.911	18.7	ug/L	3.82	20.43%
Sn 189.927†	8.8	0.695	ug/L	1.0544	1.39	ug/L	2.109	151.79%
Sr 421.552†	5386.5	8.70	ug/L	0.031	17.4	ug/L	0.06	0.36%
Ti 334.940†	159788.8	325	ug/L	1.3	650	ug/L	2.6	0.40%
Tl 190.801†	2.3	-0.640	ug/L	1.6827	-1.28	ug/L	3.365	263.06%
V 292.402†	6916.9	155	ug/L	0.6	311	ug/L	1.2	0.38%
Zn 206.200†	3559.1	139	ug/L	1.0	278	ug/L	2.0	0.70%

Sequence No.: 54 **Autosampler Location: 68**
Sample ID: 250893208 **Date Collected: 4/10/2008 3:11:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893208

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1823933.5	98.3	%	0.18				0.18%
Sc Radial	182423.8	102	%	0.7				0.70%
Ag 328.068†	-1189.6	0.510	ug/L	0.0737	0.510	ug/L	0.0737	14.46%
Al 308.215†	179821.6	82400	ug/L	792.3	82400	ug/L	792.3	0.96%
As 188.979†	370.7	202	ug/L	0.9	202	ug/L	0.9	0.45%
Ba 233.527†	53143.8	314	ug/L	0.7	314	ug/L	0.7	0.21%
Be 234.861†	1169.5	2.87	ug/L	0.181	2.87	ug/L	0.181	6.32%
Ca 315.887†	10570.6	1720	ug/L	5.7	1720	ug/L	5.7	0.33%
Cd 226.502†	711.4	-1.29	ug/L	0.762	-1.29	ug/L	0.762	59.26%
Co 228.616†	2944.7	68.6	ug/L	0.28	68.6	ug/L	0.28	0.41%
Cr 267.716†	8194.2	225	ug/L	0.7	225	ug/L	0.7	0.31%
Cu 324.752†	21839.9	86.0	ug/L	0.35	86.0	ug/L	0.35	0.41%
Fe 259.939†	1817805.5	235000	ug/L	2149.9	235000	ug/L	2149.9	0.92%
K 766.490†	7430.8	2020	ug/L	3.6	2020	ug/L	3.6	0.18%
Mg 279.077†	31084.4	2660	ug/L	20.1	2660	ug/L	20.1	0.76%
Mn 257.610†	4193576.8	8350	ug/L	12.0	8350	ug/L	12.0	0.14%
Mo 202.031†	69.7	17.8	ug/L	0.64	17.8	ug/L	0.64	3.57%
Na 589.592†	498.6	52.3	ug/L	3.97	52.3	ug/L	3.97	7.58%
Ni 231.604†	1407.9	72.8	ug/L	0.98	72.8	ug/L	0.98	1.35%
Pb 220.353†	483.6	149	ug/L	2.2	149	ug/L	2.2	1.50%
Sb 206.836†	30.3	4.94	ug/L	1.742	4.94	ug/L	1.742	35.26%
Se 196.026†	-37.3	24.4	ug/L	4.55	24.4	ug/L	4.55	18.69%
Sn 189.927†	7.0	-4.08	ug/L	0.942	-4.08	ug/L	0.942	23.08%
Sr 421.552†	10040.5	16.3	ug/L	0.08	16.3	ug/L	0.08	0.51%
Ti 334.940†	565042.4	1150	ug/L	4.7	1150	ug/L	4.7	0.41%
Tl 190.801†	4.7	-0.976	ug/L	3.2436	-0.976	ug/L	3.2436	332.31%
V 292.402†	16324.9	366	ug/L	0.8	366	ug/L	0.8	0.23%
Zn 206.200†	5213.6	209	ug/L	1.1	209	ug/L	1.1	0.54%

Sequence No.: 55 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 3:15:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1831562.4	98.8	%	0.86				0.87%
Sc Radial	187404.8	104	%	0.6				0.59%
Ag 328.068†	85796.3	505	ug/L	5.1	505	ug/L	5.1	1.01%
QC value within limits for Ag 328.068 Recovery = 101.02%								
Al 308.215†	54497.5	25000	ug/L	140.4	25000	ug/L	140.4	0.56%
QC value within limits for Al 308.215 Recovery = 99.92%								
As 188.979†	1030.5	530	ug/L	8.8	530	ug/L	8.8	1.66%
QC value within limits for As 188.979 Recovery = 105.94%								
Ba 233.527†	85746.1	508	ug/L	4.9	508	ug/L	4.9	0.97%
QC value within limits for Ba 233.527 Recovery = 101.63%								
Be 234.861†	172253.8	507	ug/L	6.4	507	ug/L	6.4	1.27%
QC value within limits for Be 234.861 Recovery = 101.46%								
Ca 315.887†	154448.3	25200	ug/L	63.3	25200	ug/L	63.3	0.25%
QC value within limits for Ca 315.887 Recovery = 100.94%								
Cd 226.502†	9816.8	513	ug/L	4.5	513	ug/L	4.5	0.87%
QC value within limits for Cd 226.502 Recovery = 102.63%								
Co 228.616†	19734.4	509	ug/L	5.0	509	ug/L	5.0	0.98%
QC value within limits for Co 228.616 Recovery = 101.83%								
Cr 267.716†	18956.2	515	ug/L	5.0	515	ug/L	5.0	0.97%
QC value within limits for Cr 267.716 Recovery = 103.00%								
Cu 324.752†	140610.2	502	ug/L	5.1	502	ug/L	5.1	1.02%
QC value within limits for Cu 324.752 Recovery = 100.41%								
Fe 259.939†	320351.4	41300	ug/L	122.7	41300	ug/L	122.7	0.30%
QC value within limits for Fe 259.939 Recovery = 103.32%								
K 766.490†	87840.6	23800	ug/L	94.3	23800	ug/L	94.3	0.40%
QC value within limits for K 766.490 Recovery = 95.12%								
Mg 279.077†	297439.7	24800	ug/L	182.0	24800	ug/L	182.0	0.73%
QC value within limits for Mg 279.077 Recovery = 99.25%								
Mn 257.610†	254366.1	506	ug/L	5.4	506	ug/L	5.4	1.08%
QC value within limits for Mn 257.610 Recovery = 101.10%								
Mo 202.031†	3435.1	518	ug/L	5.6	518	ug/L	5.6	1.09%
QC value within limits for Mo 202.031 Recovery = 103.55%								
Na 589.592†	207201.7	24700	ug/L	126.6	24700	ug/L	126.6	0.51%
QC value within limits for Na 589.592 Recovery = 98.85%								
Ni 231.604†	9673.4	520	ug/L	4.8	520	ug/L	4.8	0.93%
QC value within limits for Ni 231.604 Recovery = 103.95%								
Pb 220.353†	1736.2	520	ug/L	5.9	520	ug/L	5.9	1.14%
QC value within limits for Pb 220.353 Recovery = 103.99%								
Sb 206.836†	1438.5	517	ug/L	6.2	517	ug/L	6.2	1.20%
QC value within limits for Sb 206.836 Recovery = 103.47%								
Se 196.026†	627.4	510	ug/L	6.3	510	ug/L	6.3	1.23%
QC value within limits for Se 196.026 Recovery = 102.05%								
Sn 189.927†	1175.0	414	ug/L	7.3	414	ug/L	7.3	1.75%
QC value within limits for Sn 189.927 Recovery = 103.54%								
Sr 421.552†	247635.4	404	ug/L	2.0	404	ug/L	2.0	0.51%
QC value within limits for Sr 421.552 Recovery = 101.07%								
Ti 334.940†	201730.0	410	ug/L	5.0	410	ug/L	5.0	1.21%
QC value within limits for Ti 334.940 Recovery = 102.50%								
Tl 190.801†	968.9	515	ug/L	6.1	515	ug/L	6.1	1.18%
QC value within limits for Tl 190.801 Recovery = 102.92%								
V 292.402†	25103.4	517	ug/L	4.3	517	ug/L	4.3	0.83%
QC value within limits for V 292.402 Recovery = 103.43%								
Zn 206.200†	13783.1	524	ug/L	5.2	524	ug/L	5.2	0.99%
QC value within limits for Zn 206.200 Recovery = 104.83%								

All analyte(s) passed QC.

Sequence No.: 56 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 3:19:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1816417.6	97.9	%	0.05				0.06%
Sc Radial	182657.2	102	%	0.3				0.31%
Ag 328.068†	32.1	-0.036	ug/L	0.0855	-0.036	ug/L	0.0855	240.94%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	18.7	10.1	ug/L	2.37	10.1	ug/L	2.37	23.52%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.3	-0.877	ug/L	1.1313	-0.877	ug/L	1.1313	129.06%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-9.4	-0.190	ug/L	0.0095	-0.190	ug/L	0.0095	5.02%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	1.9	-0.008	ug/L	0.0140	-0.008	ug/L	0.0140	176.32%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	18.0	-5.84	ug/L	1.154	-5.84	ug/L	1.154	19.78%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.1	-0.217	ug/L	0.1727	-0.217	ug/L	0.1727	79.49%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-5.0	-0.044	ug/L	0.0683	-0.044	ug/L	0.0683	156.19%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.1	-0.472	ug/L	0.3647	-0.472	ug/L	0.3647	77.28%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	177.5	0.327	ug/L	0.1350	0.327	ug/L	0.1350	41.27%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	109.7	7.20	ug/L	1.332	7.20	ug/L	1.332	18.49%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	46.4	18.8	ug/L	11.57	18.8	ug/L	11.57	61.46%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	9.2	-1.18	ug/L	1.745	-1.18	ug/L	1.745	147.89%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	148.3	-0.014	ug/L	0.0569	-0.014	ug/L	0.0569	398.21%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.2	0.127	ug/L	0.5607	0.127	ug/L	0.5607	440.92%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-61.3	-14.5	ug/L	0.64	-14.5	ug/L	0.64	4.40%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	7.5	-0.092	ug/L	0.5749	-0.092	ug/L	0.5749	623.20%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	8.6	2.72	ug/L	0.956	2.72	ug/L	0.956	35.11%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.7	1.77	ug/L	0.841	1.77	ug/L	0.841	47.53%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-2.9	-0.185	ug/L	0.9256	-0.185	ug/L	0.9256	500.41%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	4.5	1.09	ug/L	1.850	1.09	ug/L	1.850	169.26%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	20.6	-0.057	ug/L	0.0408	-0.057	ug/L	0.0408	71.86%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	26.8	0.047	ug/L	0.0291	0.047	ug/L	0.0291	61.32%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.2	0.092	ug/L	1.2609	0.092	ug/L	1.2609	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	3.5	0.047	ug/L	0.3312	0.047	ug/L	0.3312	710.85%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-3.2	-1.65	ug/L	0.196	-1.65	ug/L	0.196	11.87%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 57 **Autosampler Location: 69**
Sample ID: 250893208 **Date Collected: 4/10/2008 3:23:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893208

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1860244.1	100	%	0.1				0.12%
Sc Radial	185704.3	103	%	1.0				0.92%
Ag 328.068†	-624.1	-0.018	ug/L	0.1757	-0.035	ug/L	0.3513	993.06%
Al 308.215†	88343.2	40500	ug/L	281.6	81000	ug/L	563.3	0.70%
As 188.979†	187.7	102	ug/L	1.7	204	ug/L	3.4	1.67%
Ba 233.527†	26258.8	155	ug/L	0.4	310	ug/L	0.8	0.25%
Be 234.861†	533.6	1.27	ug/L	0.096	2.55	ug/L	0.192	7.55%
Ca 315.887†	5201.8	841	ug/L	4.4	1680	ug/L	8.8	0.52%
Cd 226.502†	355.5	-0.835	ug/L	0.7588	-1.67	ug/L	1.518	90.92%
Co 228.616†	1440.5	33.5	ug/L	0.19	67.0	ug/L	0.37	0.55%
Cr 267.716†	4058.4	111	ug/L	0.4	222	ug/L	0.8	0.34%
Cu 324.752†	10587.6	41.7	ug/L	0.22	83.3	ug/L	0.43	0.52%
Fe 259.939†	912354.6	118000	ug/L	1469.0	235000	ug/L	2937.9	1.25%
K 766.490†	3617.7	985	ug/L	20.9	1970	ug/L	41.8	2.12%
Mg 279.077†	15547.2	1330	ug/L	11.7	2660	ug/L	23.3	0.88%
Mn 257.610†	2116467.7	4220	ug/L	5.5	8430	ug/L	11.0	0.13%
Mo 202.031†	33.2	8.76	ug/L	0.842	17.5	ug/L	1.68	9.61%
Na 589.592†	208.7	17.7	ug/L	2.96	35.5	ug/L	5.93	16.70%
Ni 231.604†	704.9	36.2	ug/L	0.56	72.4	ug/L	1.13	1.55%
Pb 220.353†	246.9	76.1	ug/L	2.43	152	ug/L	4.9	3.20%
Sb 206.836†	19.2	3.42	ug/L	1.296	6.84	ug/L	2.592	37.89%
Se 196.026†	-20.3	12.0	ug/L	1.89	24.0	ug/L	3.79	15.75%
Sn 189.927†	6.2	-1.31	ug/L	1.556	-2.61	ug/L	3.111	118.99%
Sr 421.552†	4949.2	7.99	ug/L	0.038	16.0	ug/L	0.08	0.48%
Ti 334.940†	280803.5	571	ug/L	1.0	1140	ug/L	2.1	0.18%
Tl 190.801†	-1.2	-2.05	ug/L	1.420	-4.10	ug/L	2.839	69.21%
V 292.402†	8048.8	181	ug/L	0.4	361	ug/L	0.8	0.22%
Zn 206.200†	2606.2	104	ug/L	0.5	207	ug/L	1.0	0.47%

Sequence No.: 58 **Autosampler Location: 70**
Sample ID: 250893209 **Date Collected: 4/10/2008 3:28:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893209

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1833913.1	98.9	%	5.21				5.27%
Sc Radial	195395.7	109	%	2.1				1.93%
Ag 328.068†	-1214.3	-0.572	ug/L	0.5381	-0.572	ug/L	0.5381	94.01%
Al 308.215†	153777.9	70500	ug/L	1876.1	70500	ug/L	1876.1	2.66%
As 188.979†	410.4	220	ug/L	8.8	220	ug/L	8.8	3.99%
Ba 233.527†	34856.2	206	ug/L	11.9	206	ug/L	11.9	5.80%
Be 234.861†	656.8	1.43	ug/L	0.186	1.43	ug/L	0.186	13.06%
Ca 315.887†	17393.1	2830	ug/L	78.7	2830	ug/L	78.7	2.78%
Cd 226.502†	658.1	0.690	ug/L	2.7951	0.690	ug/L	2.7951	405.34%
Co 228.616†	1142.0	23.1	ug/L	1.70	23.1	ug/L	1.70	7.36%
Cr 267.716†	4909.7	136	ug/L	7.2	136	ug/L	7.2	5.34%
Cu 324.752†	31861.4	121	ug/L	7.8	121	ug/L	7.8	6.44%
Fe 259.939†	1592226.6	205000	ug/L	3741.1	205000	ug/L	3741.1	1.82%
K 766.490†	9071.4	2460	ug/L	59.6	2460	ug/L	59.6	2.42%
Mg 279.077†	40765.6	3460	ug/L	46.6	3460	ug/L	46.6	1.35%
Mn 257.610†	538873.2	1070	ug/L	74.4	1070	ug/L	74.4	6.94%
Mo 202.031†	81.9	18.8	ug/L	1.03	18.8	ug/L	1.03	5.48%
Na 589.592†	502.4	52.8	ug/L	5.99	52.8	ug/L	5.99	11.36%
Ni 231.604†	1072.0	55.0	ug/L	3.01	55.0	ug/L	3.01	5.47%
Pb 220.353†	296.9	95.8	ug/L	4.30	95.8	ug/L	4.30	4.49%
Sb 206.836†	15.1	0.666	ug/L	4.1564	0.666	ug/L	4.1564	623.79%
Se 196.026†	-43.7	16.9	ug/L	2.88	16.9	ug/L	2.88	17.08%
Sn 189.927†	8.3	-2.48	ug/L	0.953	-2.48	ug/L	0.953	38.41%
Sr 421.552†	8053.3	13.0	ug/L	0.34	13.0	ug/L	0.34	2.60%
Ti 334.940†	434795.2	885	ug/L	63.9	885	ug/L	63.9	7.22%
Tl 190.801†	-6.2	0.943	ug/L	1.6849	0.943	ug/L	1.6849	178.59%
V 292.402†	15111.6	337	ug/L	17.7	337	ug/L	17.7	5.25%
Zn 206.200†	5568.9	221	ug/L	11.2	221	ug/L	11.2	5.09%

Sequence No.: 59 **Autosampler Location: 71**
Sample ID: 250893210 **Date Collected: 4/10/2008 3:32:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893210

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1852149.9	99.9	%	0.63				0.64%
Sc Radial	186382.0	104	%	0.5				0.51%
Ag 328.068†	-3116.6	0.858	ug/L	0.4129	0.858	ug/L	0.4129	48.12%
Al 308.215†	212164.0	97200	ug/L	56.6	97200	ug/L	56.6	0.06%
As 188.979†	692.5	385	ug/L	3.1	385	ug/L	3.1	0.80%
Ba 233.527†	33146.1	194	ug/L	1.8	194	ug/L	1.8	0.91%
Be 234.861†	-236.4	-2.14	ug/L	0.574	-2.14	ug/L	0.574	26.86%
Ca 315.887†	16601.5	2700	ug/L	2.4	2700	ug/L	2.4	0.09%
Cd 226.502†	1944.3	5.12	ug/L	2.794	5.12	ug/L	2.794	54.53%
Co 228.616†	2798.4	53.1	ug/L	0.14	53.1	ug/L	0.14	0.26%
Cr 267.716†	22962.9	631	ug/L	7.5	631	ug/L	7.5	1.19%
Cu 324.752†	38762.9	159	ug/L	1.5	159	ug/L	1.5	0.93%
Fe 259.939†	4582060.2	591000	ug/L	3298.6	591000	ug/L	3298.6	0.56%
K 766.490†	10283.9	2790	ug/L	5.8	2790	ug/L	5.8	0.21%
Mg 279.077†	22674.3	2060	ug/L	8.1	2060	ug/L	8.1	0.39%
Mn 257.610†	2966875.4	5910	ug/L	37.3	5910	ug/L	37.3	0.63%
Mo 202.031†	125.0	37.2	ug/L	1.69	37.2	ug/L	1.69	4.53%
Na 589.592†	485.5	50.8	ug/L	1.85	50.8	ug/L	1.85	3.65%
Ni 231.604†	1423.7	69.9	ug/L	0.53	69.9	ug/L	0.53	0.76%
Pb 220.353†	756.0	245	ug/L	2.9	245	ug/L	2.9	1.17%
Sb 206.836†	65.7	8.96	ug/L	3.209	8.96	ug/L	3.209	35.83%
Se 196.026†	-117.2	49.8	ug/L	5.51	49.8	ug/L	5.51	11.07%
Sn 189.927†	22.7	-6.23	ug/L	1.785	-6.23	ug/L	1.785	28.66%
Sr 421.552†	11662.7	18.9	ug/L	0.07	18.9	ug/L	0.07	0.34%
Ti 334.940†	1278962.0	2600	ug/L	11.7	2600	ug/L	11.7	0.45%
Tl 190.801†	-7.9	3.75	ug/L	7.324	3.75	ug/L	7.324	195.10%
V 292.402†	37533.5	848	ug/L	9.1	848	ug/L	9.1	1.07%
Zn 206.200†	7015.3	295	ug/L	1.9	295	ug/L	1.9	0.65%

Sequence No.: 60 **Autosampler Location: 72**
Sample ID: 250893210 **Date Collected: 4/10/2008 3:36:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893210

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1855805.9	100	%	0.2				0.17%
Sc Radial	185149.1	103	%	0.5				0.46%
Ag 328.068†	-1523.1	0.911	ug/L	0.5555	1.82	ug/L	1.111	60.96%
Al 308.215†	106949.7	49000	ug/L	19.5	98000	ug/L	39.0	0.04%
As 188.979†	351.4	196	ug/L	3.3	392	ug/L	6.6	1.70%
Ba 233.527†	16838.2	98.7	ug/L	0.45	197	ug/L	0.9	0.45%
Be 234.861†	189.3	-0.199	ug/L	0.6252	-0.397	ug/L	1.2504	314.76%
Ca 315.887†	8464.1	1370	ug/L	5.5	2750	ug/L	11.0	0.40%
Cd 226.502†	940.8	-1.27	ug/L	0.367	-2.53	ug/L	0.733	28.95%
Co 228.616†	1451.3	27.6	ug/L	0.28	55.3	ug/L	0.55	1.00%
Cr 267.716†	11469.4	315	ug/L	0.7	630	ug/L	1.5	0.24%
Cu 324.752†	19508.3	80.3	ug/L	0.34	161	ug/L	0.7	0.43%
Fe 259.939†	2387486.4	308000	ug/L	601.4	616000	ug/L	1202.8	0.20%
K 766.490†	5250.4	1430	ug/L	10.5	2850	ug/L	21.1	0.74%
Mg 279.077†	11767.3	1070	ug/L	5.3	2130	ug/L	10.5	0.49%
Mn 257.610†	1517640.6	3020	ug/L	6.3	6040	ug/L	12.5	0.21%
Mo 202.031†	66.1	19.6	ug/L	0.31	39.2	ug/L	0.62	1.59%
Na 589.592†	189.3	15.4	ug/L	2.12	30.9	ug/L	4.24	13.75%
Ni 231.604†	747.7	36.5	ug/L	0.23	73.0	ug/L	0.47	0.64%
Pb 220.353†	389.7	126	ug/L	1.0	253	ug/L	2.1	0.83%

Sb 206.836†	36.6	5.16 ug/L	1.821	10.3 ug/L	3.64	35.27%
Se 196.026†	-49.6	36.1 ug/L	4.16	72.2 ug/L	8.31	11.51%
Sn 189.927†	12.8	-2.84 ug/L	1.578	-5.68 ug/L	3.157	55.59%
Sr 421.552†	6009.9	9.72 ug/L	0.024	19.4 ug/L	0.05	0.25%
Ti 334.940†	642283.0	1310 ug/L	4.2	2610 ug/L	8.4	0.32%
Tl 190.801†	-3.3	2.85 ug/L	6.009	5.70 ug/L	12.018	210.82%
V 292.402†	18538.8	421 ug/L	1.0	843 ug/L	2.1	0.24%
Zn 206.200†	3675.8	154 ug/L	0.6	308 ug/L	1.3	0.42%

Sequence No.: 61 **Autosampler Location: 73**
Sample ID: 250893211 **Date Collected: 4/10/2008 3:41:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893211

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1903848.6	103	%	0.4				0.35%
Sc Radial	189938.5	106	%	1.2				1.10%
Ag 328.068†	-1074.2	-0.325	ug/L	0.1880	-0.325	ug/L	0.1880	57.75%
Al 308.215†	207784.3	95200	ug/L	3220.8	95200	ug/L	3220.8	3.38%
As 188.979†	321.9	174	ug/L	2.7	174	ug/L	2.7	1.54%
Ba 233.527†	33173.6	196	ug/L	1.2	196	ug/L	1.2	0.60%
Be 234.861†	344.4	0.548	ug/L	0.3831	0.548	ug/L	0.3831	69.94%
Ca 315.887†	9081.0	1480	ug/L	28.0	1480	ug/L	28.0	1.90%
Cd 226.502†	558.5	-1.69	ug/L	1.162	-1.69	ug/L	1.162	68.65%
Co 228.616†	1026.4	20.8	ug/L	0.08	20.8	ug/L	0.08	0.37%
Cr 267.716†	3948.6	109	ug/L	0.7	109	ug/L	0.7	0.62%
Cu 324.752†	33971.8	128	ug/L	0.9	128	ug/L	0.9	0.72%
Fe 259.939†	1456892.0	188000	ug/L	6590.7	188000	ug/L	6590.7	3.51%
K 766.490†	9880.7	2680	ug/L	53.6	2680	ug/L	53.6	2.00%
Mg 279.077†	38787.3	3290	ug/L	41.2	3290	ug/L	41.2	1.26%
Mn 257.610†	404717.4	804	ug/L	1.9	804	ug/L	1.9	0.24%
Mo 202.031†	71.6	16.7	ug/L	1.48	16.7	ug/L	1.48	8.85%
Na 589.592†	495.7	52.0	ug/L	2.20	52.0	ug/L	2.20	4.23%
Ni 231.604†	1110.8	57.3	ug/L	0.59	57.3	ug/L	0.59	1.02%
Pb 220.353†	288.7	92.8	ug/L	1.47	92.8	ug/L	1.47	1.59%
Sb 206.836†	23.6	4.19	ug/L	0.489	4.19	ug/L	0.489	11.67%
Se 196.026†	-33.4	21.0	ug/L	5.66	21.0	ug/L	5.66	26.97%
Sn 189.927†	15.5	0.712	ug/L	1.2409	0.712	ug/L	1.2409	174.35%
Sr 421.552†	11509.4	18.7	ug/L	0.37	18.7	ug/L	0.37	1.97%
Ti 334.940†	369349.8	751	ug/L	3.2	751	ug/L	3.2	0.42%
Tl 190.801†	-0.7	3.79	ug/L	1.139	3.79	ug/L	1.139	30.01%
V 292.402†	14050.2	312	ug/L	2.4	312	ug/L	2.4	0.76%
Zn 206.200†	5989.0	236	ug/L	1.7	236	ug/L	1.7	0.71%

Sequence No.: 62 **Autosampler Location: 74**
Sample ID: 250893212 **Date Collected: 4/10/2008 3:45:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893212

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1862034.1	100	%	1.0				0.96%
Sc Radial	188059.9	105	%	0.4				0.35%
Ag 328.068†	-1455.3	-0.341	ug/L	0.3481	-0.341	ug/L	0.3481	102.23%
Al 308.215†	287450.0	132000	ug/L	22.8	132000	ug/L	22.8	0.02%
As 188.979†	378.1	206	ug/L	2.4	206	ug/L	2.4	1.19%
Ba 233.527†	63543.1	376	ug/L	3.2	376	ug/L	3.2	0.84%
Be 234.861†	829.8	1.82	ug/L	0.385	1.82	ug/L	0.385	21.20%
Ca 315.887†	19243.4	3140	ug/L	18.9	3140	ug/L	18.9	0.60%
Cd 226.502†	771.7	-1.52	ug/L	0.494	-1.52	ug/L	0.494	32.58%
Co 228.616†	5008.0	122	ug/L	1.5	122	ug/L	1.5	1.19%
Cr 267.716†	6203.5	171	ug/L	1.3	171	ug/L	1.3	0.76%
Cu 324.752†	40838.0	154	ug/L	1.4	154	ug/L	1.4	0.93%
Fe 259.939†	1978003.3	255000	ug/L	2099.3	255000	ug/L	2099.3	0.82%
K 766.490†	15045.4	4080	ug/L	7.2	4080	ug/L	7.2	0.18%
Mg 279.077†	58601.2	4960	ug/L	9.2	4960	ug/L	9.2	0.19%
Mn 257.610†	2152943.5	4290	ug/L	6.7	4290	ug/L	6.7	0.16%
Mo 202.031†	92.8	21.9	ug/L	1.29	21.9	ug/L	1.29	5.89%
Na 589.592†	741.9	81.4	ug/L	3.26	81.4	ug/L	3.26	4.01%
Ni 231.604†	1725.8	89.7	ug/L	0.91	89.7	ug/L	0.91	1.02%
Pb 220.353†	549.4	171	ug/L	1.3	171	ug/L	1.3	0.76%
Sb 206.836†	25.2	3.29	ug/L	2.496	3.29	ug/L	2.496	75.92%
Se 196.026†	-40.4	29.6	ug/L	5.65	29.6	ug/L	5.65	19.13%
Sn 189.927†	20.3	0.860	ug/L	0.9399	0.860	ug/L	0.9399	109.33%
Sr 421.552†	17757.9	28.9	ug/L	0.03	28.9	ug/L	0.03	0.12%
Ti 334.940†	504115.2	1030	ug/L	1.7	1030	ug/L	1.7	0.16%
Tl 190.801†	1.4	1.98	ug/L	1.689	1.98	ug/L	1.689	85.33%
V 292.402†	19038.3	423	ug/L	2.4	423	ug/L	2.4	0.56%
Zn 206.200†	8585.8	338	ug/L	2.7	338	ug/L	2.7	0.81%

Sequence No.: 63 **Autosampler Location: 75**
Sample ID: 250893213 **Date Collected: 4/10/2008 3:49:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893213

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1850083.1	99.8	%	0.48				0.48%
Sc Radial	189741.7	106	%	0.2				0.23%
Ag 328.068†	-1375.3	-0.306	ug/L	0.3870	-0.306	ug/L	0.3870	126.49%
Al 308.215†	223330.3	102000	ug/L	214.3	102000	ug/L	214.3	0.21%
As 188.979†	389.0	211	ug/L	3.1	211	ug/L	3.1	1.45%
Ba 233.527†	37644.6	222	ug/L	0.7	222	ug/L	0.7	0.33%
Be 234.861†	295.6	0.273	ug/L	0.4040	0.273	ug/L	0.4040	147.93%
Ca 315.887†	13256.7	2160	ug/L	3.2	2160	ug/L	3.2	0.15%
Cd 226.502†	754.7	-0.275	ug/L	0.2821	-0.275	ug/L	0.2821	102.67%
Co 228.616†	972.3	17.9	ug/L	0.31	17.9	ug/L	0.31	1.74%
Cr 267.716†	5499.6	152	ug/L	1.2	152	ug/L	1.2	0.76%
Cu 324.752†	35411.3	135	ug/L	0.6	135	ug/L	0.6	0.45%
Fe 259.939†	1877865.2	242000	ug/L	1607.9	242000	ug/L	1607.9	0.66%
K 766.490†	12379.9	3360	ug/L	28.8	3360	ug/L	28.8	0.86%
Mg 279.077†	44057.4	3740	ug/L	23.7	3740	ug/L	23.7	0.63%
Mn 257.610†	319951.6	634	ug/L	0.8	634	ug/L	0.8	0.13%
Mo 202.031†	102.8	23.1	ug/L	0.49	23.1	ug/L	0.49	2.12%
Na 589.592†	571.4	61.0	ug/L	3.25	61.0	ug/L	3.25	5.32%
Ni 231.604†	1143.1	58.4	ug/L	0.52	58.4	ug/L	0.52	0.89%
Pb 220.353†	293.6	96.4	ug/L	5.38	96.4	ug/L	5.38	5.58%
Sb 206.836†	27.5	4.41	ug/L	1.973	4.41	ug/L	1.973	44.72%
Se 196.026†	-42.1	27.5	ug/L	6.73	27.5	ug/L	6.73	24.46%
Sn 189.927†	23.0	2.54	ug/L	1.619	2.54	ug/L	1.619	63.67%
Sr 421.552†	11088.4	18.0	ug/L	0.06	18.0	ug/L	0.06	0.31%
Ti 334.940†	428853.9	872	ug/L	0.4	872	ug/L	0.4	0.04%
Tl 190.801†	-4.9	3.05	ug/L	2.510	3.05	ug/L	2.510	82.42%
V 292.402†	17767.6	396	ug/L	1.0	396	ug/L	1.0	0.26%
Zn 206.200†	6029.1	240	ug/L	1.9	240	ug/L	1.9	0.77%

Sequence No.: 64 **Autosampler Location: 76**
Sample ID: 250893214 **Date Collected: 4/10/2008 3:53:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893214

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1878960.3	101	%	0.4				0.37%
Sc Radial	190742.4	106	%	0.9				0.86%
Ag 328.068†	-1511.7	-0.659	ug/L	0.2362	-0.659	ug/L	0.2362	35.82%
Al 308.215†	324145.6	149000	ug/L	243.2	149000	ug/L	243.2	0.16%
As 188.979†	355.9	195	ug/L	4.4	195	ug/L	4.4	2.25%
Ba 233.527†	79976.2	473	ug/L	3.2	473	ug/L	3.2	0.68%
Be 234.861†	1665.0	4.28	ug/L	0.124	4.28	ug/L	0.124	2.89%
Ca 315.887†	12895.5	2100	ug/L	2.8	2100	ug/L	2.8	0.13%
Cd 226.502†	789.3	-0.546	ug/L	0.5502	-0.546	ug/L	0.5502	100.74%
Co 228.616†	2901.7	67.3	ug/L	0.24	67.3	ug/L	0.24	0.35%
Cr 267.716†	9610.9	264	ug/L	0.9	264	ug/L	0.9	0.34%
Cu 324.752†	33230.8	127	ug/L	0.7	127	ug/L	0.7	0.56%
Fe 259.939†	1976650.4	255000	ug/L	3368.0	255000	ug/L	3368.0	1.32%
K 766.490†	13580.3	3680	ug/L	13.9	3680	ug/L	13.9	0.38%
Mg 279.077†	67201.0	5670	ug/L	77.0	5670	ug/L	77.0	1.36%
Mn 257.610†	1696420.0	3380	ug/L	2.5	3380	ug/L	2.5	0.07%
Mo 202.031†	97.8	22.7	ug/L	0.59	22.7	ug/L	0.59	2.60%
Na 589.592†	904.6	101	ug/L	2.7	101	ug/L	2.7	2.70%
Ni 231.604†	1691.6	87.8	ug/L	0.59	87.8	ug/L	0.59	0.67%
Pb 220.353†	444.0	140	ug/L	1.6	140	ug/L	1.6	1.15%
Sb 206.836†	26.5	2.70	ug/L	1.268	2.70	ug/L	1.268	46.99%
Se 196.026†	-39.4	30.7	ug/L	3.13	30.7	ug/L	3.13	10.17%
Sn 189.927†	15.0	-1.33	ug/L	1.978	-1.33	ug/L	1.978	148.67%
Sr 421.552†	16421.4	26.7	ug/L	0.08	26.7	ug/L	0.08	0.31%
Ti 334.940†	530414.4	1080	ug/L	6.2	1080	ug/L	6.2	0.57%
Tl 190.801†	-4.4	0.175	ug/L	2.5380	0.175	ug/L	2.5380	>999.9%
V 292.402†	20074.4	444	ug/L	2.9	444	ug/L	2.9	0.66%
Zn 206.200†	8164.8	322	ug/L	1.5	322	ug/L	1.5	0.46%

Sequence No.: 65 **Autosampler Location: 77**
Sample ID: 250893215 **Date Collected: 4/10/2008 3:58:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893215

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1849846.2	99.7	%	0.32				0.32%
Sc Radial	186569.7	104	%	0.5				0.44%
Ag 328.068†	-2121.3	0.368	ug/L	0.2805	0.368	ug/L	0.2805	76.33%
Al 308.215†	191321.9	87700	ug/L	332.4	87700	ug/L	332.4	0.38%
As 188.979†	569.1	313	ug/L	3.5	313	ug/L	3.5	1.12%
Ba 233.527†	27506.9	162	ug/L	0.6	162	ug/L	0.6	0.38%
Be 234.861†	273.3	-0.164	ug/L	0.2109	-0.164	ug/L	0.2109	128.57%
Ca 315.887†	5419.5	877	ug/L	1.6	877	ug/L	1.6	0.19%
Cd 226.502†	1242.1	0.107	ug/L	0.4129	0.107	ug/L	0.4129	386.19%
Co 228.616†	1547.0	28.1	ug/L	0.27	28.1	ug/L	0.27	0.97%
Cr 267.716†	22537.5	617	ug/L	1.8	617	ug/L	1.8	0.29%
Cu 324.752†	15669.4	69.8	ug/L	0.50	69.8	ug/L	0.50	0.72%
Fe 259.939†	3072420.0	396000	ug/L	1610.7	396000	ug/L	1610.7	0.41%
K 766.490†	6779.8	1840	ug/L	4.5	1840	ug/L	4.5	0.25%
Mg 279.077†	28085.3	2450	ug/L	8.1	2450	ug/L	8.1	0.33%
Mn 257.610†	825099.4	1640	ug/L	0.4	1640	ug/L	0.4	0.03%
Mo 202.031†	205.1	43.3	ug/L	0.85	43.3	ug/L	0.85	1.96%
Na 589.592†	293.7	27.9	ug/L	2.60	27.9	ug/L	2.60	9.34%
Ni 231.604†	810.2	38.9	ug/L	0.20	38.9	ug/L	0.20	0.50%
Pb 220.353†	476.8	156	ug/L	1.4	156	ug/L	1.4	0.92%
Sb 206.836†	59.2	8.39	ug/L	2.966	8.39	ug/L	2.966	35.35%
Se 196.026†	-69.4	42.6	ug/L	6.37	42.6	ug/L	6.37	14.96%
Sn 189.927†	15.8	-2.62	ug/L	1.310	-2.62	ug/L	1.310	49.98%
Sr 421.552†	5368.8	8.67	ug/L	0.009	8.67	ug/L	0.009	0.10%
Ti 334.940†	630859.0	1280	ug/L	3.8	1280	ug/L	3.8	0.30%
Tl 190.801†	-2.3	6.89	ug/L	4.174	6.89	ug/L	4.174	60.60%
V 292.402†	27903.4	624	ug/L	1.4	624	ug/L	1.4	0.23%
Zn 206.200†	4278.1	181	ug/L	1.2	181	ug/L	1.2	0.65%

Sequence No.: 66 **Autosampler Location: 78**
Sample ID: 250893216 **Date Collected: 4/10/2008 4:02:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893216

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1842738.6	99.4	%	0.25				0.25%
Sc Radial	187449.5	104	%	0.6				0.53%
Ag 328.068†	-1665.0	-0.174	ug/L	0.2319	-0.174	ug/L	0.2319	133.13%
Al 308.215†	309854.0	142000	ug/L	100.1	142000	ug/L	100.1	0.07%
As 188.979†	402.9	222	ug/L	3.5	222	ug/L	3.5	1.58%
Ba 233.527†	57917.9	342	ug/L	0.1	342	ug/L	0.1	0.02%
Be 234.861†	428.9	0.534	ug/L	0.4702	0.534	ug/L	0.4702	88.04%
Ca 315.887†	10639.6	1730	ug/L	3.6	1730	ug/L	3.6	0.21%
Cd 226.502†	915.7	-0.764	ug/L	0.6582	-0.764	ug/L	0.6582	86.14%
Co 228.616†	1917.6	40.5	ug/L	0.04	40.5	ug/L	0.04	0.09%
Cr 267.716†	11967.6	329	ug/L	1.2	329	ug/L	1.2	0.36%
Cu 324.752†	28590.9	112	ug/L	0.4	112	ug/L	0.4	0.33%
Fe 259.939†	2301377.1	297000	ug/L	753.6	297000	ug/L	753.6	0.25%
K 766.490†	12701.1	3440	ug/L	10.8	3440	ug/L	10.8	0.31%
Mg 279.077†	57809.5	4900	ug/L	37.3	4900	ug/L	37.3	0.76%
Mn 257.610†	933952.7	1860	ug/L	0.3	1860	ug/L	0.3	0.02%
Mo 202.031†	85.4	22.1	ug/L	0.54	22.1	ug/L	0.54	2.45%
Na 589.592†	689.5	75.1	ug/L	0.70	75.1	ug/L	0.70	0.93%
Ni 231.604†	1494.2	76.8	ug/L	0.32	76.8	ug/L	0.32	0.42%
Pb 220.353†	416.2	134	ug/L	4.4	134	ug/L	4.4	3.26%
Sb 206.836†	40.3	6.36	ug/L	4.074	6.36	ug/L	4.074	64.01%
Se 196.026†	-44.2	38.3	ug/L	5.89	38.3	ug/L	5.89	15.39%
Sn 189.927†	18.7	-0.719	ug/L	3.1068	-0.719	ug/L	3.1068	432.21%
Sr 421.552†	10168.5	16.5	ug/L	0.05	16.5	ug/L	0.05	0.28%
Ti 334.940†	574090.7	1170	ug/L	3.6	1170	ug/L	3.6	0.31%
Tl 190.801†	-4.2	3.16	ug/L	2.544	3.16	ug/L	2.544	80.43%
V 292.402†	23444.4	519	ug/L	0.0	519	ug/L	0.0	0.00%
Zn 206.200†	6492.4	260	ug/L	0.3	260	ug/L	0.3	0.13%

Sequence No.: 67 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 4:06:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1785346.3	96.3	%	0.17				0.17%
Sc Radial	182660.2	102	%	0.8				0.78%
Ag 328.068†	87688.3	516	ug/L	0.7	516	ug/L	0.7	0.13%
QC value within limits for Ag 328.068 Recovery = 103.25%								
Al 308.215†	56051.2	25700	ug/L	192.0	25700	ug/L	192.0	0.75%
QC value within limits for Al 308.215 Recovery = 102.77%								
As 188.979†	1032.8	531	ug/L	2.5	531	ug/L	2.5	0.47%
QC value within limits for As 188.979 Recovery = 106.20%								
Ba 233.527†	87719.3	520	ug/L	0.8	520	ug/L	0.8	0.16%
QC value within limits for Ba 233.527 Recovery = 103.97%								
Be 234.861†	176416.2	520	ug/L	1.9	520	ug/L	1.9	0.37%
QC value within limits for Be 234.861 Recovery = 103.91%								
Ca 315.887†	158131.1	25800	ug/L	238.6	25800	ug/L	238.6	0.92%
QC value within limits for Ca 315.887 Recovery = 103.34%								
Cd 226.502†	10090.2	527	ug/L	1.0	527	ug/L	1.0	0.18%
QC value within limits for Cd 226.502 Recovery = 105.49%								
Co 228.616†	20282.1	523	ug/L	2.7	523	ug/L	2.7	0.51%
QC value within limits for Co 228.616 Recovery = 104.65%								
Cr 267.716†	19423.2	528	ug/L	0.6	528	ug/L	0.6	0.11%
QC value within limits for Cr 267.716 Recovery = 105.54%								
Cu 324.752†	144513.8	516	ug/L	2.7	516	ug/L	2.7	0.53%
QC value within limits for Cu 324.752 Recovery = 103.20%								
Fe 259.939†	329695.3	42500	ug/L	369.1	42500	ug/L	369.1	0.87%
QC value within limits for Fe 259.939 Recovery = 106.33%								
K 766.490†	90057.7	24400	ug/L	214.6	24400	ug/L	214.6	0.88%
QC value within limits for K 766.490 Recovery = 97.52%								
Mg 279.077†	304687.9	25400	ug/L	200.2	25400	ug/L	200.2	0.79%
QC value within limits for Mg 279.077 Recovery = 101.67%								
Mn 257.610†	260019.9	517	ug/L	1.7	517	ug/L	1.7	0.33%
QC value within limits for Mn 257.610 Recovery = 103.35%								
Mo 202.031†	3496.6	527	ug/L	2.4	527	ug/L	2.4	0.46%
QC value within limits for Mo 202.031 Recovery = 105.40%								
Na 589.592†	213034.4	25400	ug/L	218.0	25400	ug/L	218.0	0.86%
QC value within limits for Na 589.592 Recovery = 101.63%								
Ni 231.604†	9928.3	533	ug/L	1.8	533	ug/L	1.8	0.33%
QC value within limits for Ni 231.604 Recovery = 106.69%								
Pb 220.353†	1763.4	528	ug/L	3.5	528	ug/L	3.5	0.66%
QC value within limits for Pb 220.353 Recovery = 105.63%								
Sb 206.836†	1469.1	528	ug/L	2.1	528	ug/L	2.1	0.39%
QC value within limits for Sb 206.836 Recovery = 105.67%								
Se 196.026†	632.5	515	ug/L	12.5	515	ug/L	12.5	2.44%
QC value within limits for Se 196.026 Recovery = 102.92%								
Sn 189.927†	1183.4	417	ug/L	1.4	417	ug/L	1.4	0.34%
QC value within limits for Sn 189.927 Recovery = 104.27%								
Sr 421.552†	254954.5	416	ug/L	3.5	416	ug/L	3.5	0.84%
QC value within limits for Sr 421.552 Recovery = 104.06%								
Ti 334.940†	205964.0	419	ug/L	0.5	419	ug/L	0.5	0.13%
QC value within limits for Ti 334.940 Recovery = 104.65%								
Tl 190.801†	992.7	527	ug/L	5.3	527	ug/L	5.3	1.01%
QC value within limits for Tl 190.801 Recovery = 105.44%								
V 292.402†	25730.4	530	ug/L	1.0	530	ug/L	1.0	0.20%
QC value within limits for V 292.402 Recovery = 106.01%								
Zn 206.200†	14130.3	537	ug/L	0.9	537	ug/L	0.9	0.17%
QC value within limits for Zn 206.200 Recovery = 107.48%								

All analyte(s) passed QC.

Sequence No.: 68 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 4:10:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1826000.0	98.5	%	0.30				0.30%
Sc Radial	185483.3	103	%	0.2				0.20%
Ag 328.068†	8.4	-0.174	ug/L	0.1963	-0.174	ug/L	0.1963	112.54%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	45.7	22.5	ug/L	2.75	22.5	ug/L	2.75	12.22%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-3.0	-1.23	ug/L	0.961	-1.23	ug/L	0.961	78.16%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-17.3	-0.236	ug/L	0.0920	-0.236	ug/L	0.0920	38.92%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-4.5	-0.027	ug/L	0.0210	-0.027	ug/L	0.0210	78.85%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	13.2	-6.64	ug/L	0.902	-6.64	ug/L	0.902	13.60%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-3.2	-0.393	ug/L	0.1394	-0.393	ug/L	0.1394	35.49%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-10.4	-0.181	ug/L	0.1840	-0.181	ug/L	0.1840	101.72%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.7	-0.347	ug/L	0.1391	-0.347	ug/L	0.1391	40.12%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	200.3	0.408	ug/L	0.3437	0.408	ug/L	0.3437	84.15%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	151.3	12.6	ug/L	1.26	12.6	ug/L	1.26	10.00%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-39.9	-4.53	ug/L	3.855	-4.53	ug/L	3.855	85.15%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	-0.8	-2.01	ug/L	1.031	-2.01	ug/L	1.031	51.19%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	29.2	-0.252	ug/L	0.0234	-0.252	ug/L	0.0234	9.30%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.0	0.321	ug/L	0.8738	0.321	ug/L	0.8738	272.20%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-113.3	-20.7	ug/L	2.00	-20.7	ug/L	2.00	9.69%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.0	-0.384	ug/L	0.1325	-0.384	ug/L	0.1325	34.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.9	0.729	ug/L	1.2642	0.729	ug/L	1.2642	173.37%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.8	1.43	ug/L	1.880	1.43	ug/L	1.880	131.07%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.8	3.52	ug/L	4.006	3.52	ug/L	4.006	113.91%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.8	-0.781	ug/L	0.2314	-0.781	ug/L	0.2314	29.63%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	29.2	-0.043	ug/L	0.0170	-0.043	ug/L	0.0170	39.87%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	0.5	-0.006	ug/L	0.0459	-0.006	ug/L	0.0459	727.29%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.5	0.456	ug/L	2.6099	0.456	ug/L	2.6099	572.24%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	5.7	0.093	ug/L	0.0637	0.093	ug/L	0.0637	68.62%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.8	-1.46	ug/L	0.220	-1.46	ug/L	0.220	15.06%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 69 **Autosampler Location: 79**
Sample ID: 250893217 **Date Collected: 4/10/2008 4:15:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893217

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1899720.6	102	%	0.0				0.02%
Sc Radial	191113.1	106	%	0.3				0.24%
Ag 328.068†	-2618.5	-6.53	ug/L	0.248	-6.53	ug/L	0.248	3.80%
Al 308.215†	119426.2	54700	ug/L	41.5	54700	ug/L	41.5	0.08%
As 188.979†	791.5	417	ug/L	6.9	417	ug/L	6.9	1.64%
Ba 233.527†	43259.4	255	ug/L	1.3	255	ug/L	1.3	0.52%
Be 234.861†	1063.0	2.45	ug/L	0.180	2.45	ug/L	0.180	7.34%
Ca 315.887†	6717.5	1090	ug/L	3.7	1090	ug/L	3.7	0.34%
Cd 226.502†	834.3	-1.75	ug/L	0.653	-1.75	ug/L	0.653	37.41%
Co 228.616†	27449.8	702	ug/L	3.7	702	ug/L	3.7	0.53%
Cr 267.716†	6803.3	188	ug/L	0.6	188	ug/L	0.6	0.33%
Cu 324.752†	41960.1	159	ug/L	1.2	159	ug/L	1.2	0.76%
Fe 259.939†	2145382.3	277000	ug/L	1570.9	277000	ug/L	1570.9	0.57%
K 766.490†	7484.1	2030	ug/L	4.2	2030	ug/L	4.2	0.21%
Mg 279.077†	18377.3	1610	ug/L	5.8	1610	ug/L	5.8	0.36%
Mn 257.610†	2982482.8	5940	ug/L	6.3	5940	ug/L	6.3	0.11%
Mo 202.031†	171.0	34.3	ug/L	0.27	34.3	ug/L	0.27	0.80%
Na 589.592†	173.9	13.6	ug/L	0.46	13.6	ug/L	0.46	3.42%
Ni 231.604†	1828.4	95.7	ug/L	0.73	95.7	ug/L	0.73	0.77%
Pb 220.353†	2127.8	643	ug/L	1.2	643	ug/L	1.2	0.18%
Sb 206.836†	31.0	4.38	ug/L	0.928	4.38	ug/L	0.928	21.19%
Se 196.026†	-40.9	33.5	ug/L	4.49	33.5	ug/L	4.49	13.42%
Sn 189.927†	14.7	0.892	ug/L	3.8304	0.892	ug/L	3.8304	429.60%
Sr 421.552†	4873.3	7.86	ug/L	0.033	7.86	ug/L	0.033	0.42%
Ti 334.940†	271565.3	552	ug/L	8.2	552	ug/L	8.2	1.48%
Tl 190.801†	1.8	-2.57	ug/L	2.246	-2.57	ug/L	2.246	87.22%
V 292.402†	17091.8	387	ug/L	2.2	387	ug/L	2.2	0.57%
Zn 206.200†	6659.0	266	ug/L	1.9	266	ug/L	1.9	0.73%

Sequence No.: 70 **Autosampler Location: 80**
Sample ID: 250893217 **Date Collected: 4/10/2008 4:19:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250893217

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1877011.0	101	%	0.2				0.16%
Sc Radial	190984.9	106	%	0.9				0.82%
Ag 328.068†	-1375.1	-3.66	ug/L	0.193	-7.31	ug/L	0.385	5.27%
Al 308.215†	59878.9	27400	ug/L	113.4	54900	ug/L	226.8	0.41%
As 188.979†	402.0	212	ug/L	1.0	424	ug/L	2.0	0.48%
Ba 233.527†	22175.3	131	ug/L	0.4	262	ug/L	0.8	0.31%
Be 234.861†	602.2	1.42	ug/L	0.197	2.84	ug/L	0.394	13.87%
Ca 315.887†	3401.0	547	ug/L	1.5	1090	ug/L	2.9	0.27%
Cd 226.502†	426.5	-1.03	ug/L	0.541	-2.07	ug/L	1.081	52.23%
Co 228.616†	14088.7	361	ug/L	1.3	721	ug/L	2.5	0.35%
Cr 267.716†	3456.8	95.2	ug/L	0.45	190	ug/L	0.9	0.47%
Cu 324.752†	21194.3	80.3	ug/L	0.56	161	ug/L	1.1	0.70%
Fe 259.939†	1098163.8	142000	ug/L	2001.7	283000	ug/L	4003.4	1.41%
K 766.490†	3756.1	1020	ug/L	20.9	2050	ug/L	41.9	2.05%
Mg 279.077†	9342.9	818	ug/L	9.3	1640	ug/L	18.5	1.13%
Mn 257.610†	1546037.6	3080	ug/L	2.5	6160	ug/L	5.0	0.08%
Mo 202.031†	71.0	15.2	ug/L	0.39	30.3	ug/L	0.78	2.58%
Na 589.592†	52.9	-0.846	ug/L	2.4321	-1.69	ug/L	4.864	287.50%
Ni 231.604†	938.6	48.9	ug/L	0.15	97.8	ug/L	0.29	0.30%
Pb 220.353†	1098.6	332	ug/L	0.6	664	ug/L	1.2	0.18%

Sb 206.836†	17.6	2.37 ug/L	1.692	4.74 ug/L	3.384	71.34%
Se 196.026†	-23.7	16.0 ug/L	1.14	31.9 ug/L	2.29	7.16%
Sn 189.927†	4.5	-0.827 ug/L	1.6507	-1.65 ug/L	3.301	199.72%
Sr 421.552†	2482.8	3.96 ug/L	0.027	7.92 ug/L	0.054	0.68%
Ti 334.940†	135733.5	276 ug/L	1.4	552 ug/L	2.9	0.52%
Tl 190.801†	2.3	-0.246 ug/L	3.1124	-0.493 ug/L	6.2248	>999.9%
V 292.402†	8746.8	198 ug/L	1.0	397 ug/L	1.9	0.48%
Zn 206.200†	3410.6	135 ug/L	0.2	271 ug/L	0.5	0.17%

User canceled analysis.

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Analysis Begun

Start Time: 4/10/2008 4:23:11 PM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

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4/10/2008 10:35:43 AM Hg ReAlign... Actual peak offset (nm): -0.004
Drift (nm): 0.000 Slit adjustment: -33

==========

User canceled analysis.

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Analysis Begun

Start Time: 4/10/2008 4:25:33 PM **Plasma On Time: 4/10/2008 8:10:04 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\administrator\Sample Information\041008A.sif
Batch ID: 041008A
Results Data Set: 041008A
Results Library: D:\pe\administrator\Results\Results.mdb

==========

Sequence No.: 71 **Autosampler Location: 81**
Sample ID: 250893218 **Date Collected: 4/10/2008 4:25:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893218

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1850886.5	99.8	%	0.21				0.21%
Sc Radial	185060.1	103	%	0.4				0.34%
Ag 328.068†	-1427.9	-0.226	ug/L	0.1829	-0.226	ug/L	0.1829	80.96%
Al 308.215†	111481.2	51100	ug/L	22.2	51100	ug/L	22.2	0.04%
As 188.979†	782.7	412	ug/L	2.0	412	ug/L	2.0	0.48%
Ba 233.527†	15775.4	92.6	ug/L	0.72	92.6	ug/L	0.72	0.77%
Be 234.861†	1068.7	2.52	ug/L	0.345	2.52	ug/L	0.345	13.68%
Ca 315.887†	6319.6	1020	ug/L	1.4	1020	ug/L	1.4	0.13%
Cd 226.502†	768.5	-1.64	ug/L	0.462	-1.64	ug/L	0.462	28.23%
Co 228.616†	2896.0	67.7	ug/L	0.11	67.7	ug/L	0.11	0.16%
Cr 267.716†	9496.9	261	ug/L	2.3	261	ug/L	2.3	0.90%
Cu 324.752†	33026.2	127	ug/L	0.7	127	ug/L	0.7	0.52%
Fe 259.939†	1976575.1	255000	ug/L	994.6	255000	ug/L	994.6	0.39%
K 766.490†	7636.6	2070	ug/L	6.0	2070	ug/L	6.0	0.29%
Mg 279.077†	17281.7	1510	ug/L	7.3	1510	ug/L	7.3	0.48%
Mn 257.610†	546573.3	1090	ug/L	1.4	1090	ug/L	1.4	0.13%
Mo 202.031†	112.0	24.8	ug/L	0.14	24.8	ug/L	0.14	0.58%
Na 589.592†	221.1	19.2	ug/L	0.42	19.2	ug/L	0.42	2.16%
Ni 231.604†	1233.8	63.2	ug/L	0.98	63.2	ug/L	0.98	1.55%
Pb 220.353†	376.6	121	ug/L	2.7	121	ug/L	2.7	2.22%
Sb 206.836†	35.8	5.59	ug/L	2.794	5.59	ug/L	2.794	50.02%
Se 196.026†	-47.4	26.2	ug/L	4.10	26.2	ug/L	4.10	15.67%
Sn 189.927†	11.4	-0.498	ug/L	0.1892	-0.498	ug/L	0.1892	38.02%
Sr 421.552†	4361.0	7.03	ug/L	0.060	7.03	ug/L	0.060	0.86%
Ti 334.940†	294936.9	600	ug/L	1.0	600	ug/L	1.0	0.17%
Tl 190.801†	-1.2	4.57	ug/L	2.108	4.57	ug/L	2.108	46.10%
V 292.402†	17305.7	389	ug/L	2.8	389	ug/L	2.8	0.71%
Zn 206.200†	5612.2	225	ug/L	1.2	225	ug/L	1.2	0.55%

Sequence No.: 72 **Autosampler Location: 82**
Sample ID: 250893220 **Date Collected: 4/10/2008 4:29:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893220

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1890091.7	102	%	1.7				1.67%
Sc Radial	195362.7	109	%	0.4				0.35%
Ag 328.068†	-2106.2	0.466	ug/L	0.3376	0.466	ug/L	0.3376	72.44%
Al 308.215†	241405.8	111000	ug/L	114.2	111000	ug/L	114.2	0.10%
As 188.979†	1088.0	575	ug/L	7.4	575	ug/L	7.4	1.29%
Ba 233.527†	92005.2	544	ug/L	4.8	544	ug/L	4.8	0.88%
Be 234.861†	2432.9	6.19	ug/L	0.161	6.19	ug/L	0.161	2.60%
Ca 315.887†	19793.7	3230	ug/L	5.9	3230	ug/L	5.9	0.18%
Cd 226.502†	1288.1	2.13	ug/L	1.222	2.13	ug/L	1.222	57.44%
Co 228.616†	5120.2	122	ug/L	2.1	122	ug/L	2.1	1.75%
Cr 267.716†	15231.0	418	ug/L	4.6	418	ug/L	4.6	1.11%
Cu 324.752†	34689.3	138	ug/L	1.0	138	ug/L	1.0	0.76%
Fe 259.939†	3090903.7	399000	ug/L	3404.1	399000	ug/L	3404.1	0.85%
K 766.490†	8209.9	2230	ug/L	7.3	2230	ug/L	7.3	0.33%
Mg 279.077†	40061.2	3450	ug/L	34.9	3450	ug/L	34.9	1.01%
Mn 257.610†	5789200.7	11500	ug/L	84.7	11500	ug/L	84.7	0.73%
Mo 202.031†	116.0	29.8	ug/L	0.23	29.8	ug/L	0.23	0.78%
Na 589.592†	631.8	68.2	ug/L	2.54	68.2	ug/L	2.54	3.72%
Ni 231.604†	2529.6	131	ug/L	1.9	131	ug/L	1.9	1.46%
Pb 220.353†	688.2	214	ug/L	7.6	214	ug/L	7.6	3.55%
Sb 206.836†	46.6	5.75	ug/L	3.393	5.75	ug/L	3.393	58.98%
Se 196.026†	-73.1	33.9	ug/L	0.81	33.9	ug/L	0.81	2.38%
Sn 189.927†	21.4	0.968	ug/L	2.2235	0.968	ug/L	2.2235	229.67%
Sr 421.552†	13844.0	22.5	ug/L	0.03	22.5	ug/L	0.03	0.14%
Ti 334.940†	475452.4	967	ug/L	6.4	967	ug/L	6.4	0.66%
Tl 190.801†	12.0	3.06	ug/L	2.697	3.06	ug/L	2.697	88.01%
V 292.402†	24220.0	550	ug/L	3.8	550	ug/L	3.8	0.70%
Zn 206.200†	10876.1	432	ug/L	5.1	432	ug/L	5.1	1.18%

Sequence No.: 73 **Autosampler Location: 83**
Sample ID: 250893220 **Date Collected: 4/10/2008 4:34:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250893220

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1861215.8	100	%	2.7				2.66%
Sc Radial	188340.1	105	%	1.1				1.03%
Ag 328.068†	-402.3	0.226	ug/L	0.1663	1.13	ug/L	0.832	73.59%
Al 308.215†	50045.2	22900	ug/L	750.7	115000	ug/L	3753.7	3.27%
As 188.979†	214.4	114	ug/L	3.5	570	ug/L	17.5	3.07%
Ba 233.527†	18895.2	112	ug/L	3.4	558	ug/L	16.9	3.03%
Be 234.861†	600.8	1.55	ug/L	0.113	7.74	ug/L	0.565	7.30%
Ca 315.887†	4198.5	677	ug/L	24.8	3390	ug/L	124.1	3.66%
Cd 226.502†	255.5	-0.925	ug/L	0.5892	-4.62	ug/L	2.946	63.71%
Co 228.616†	1045.7	24.8	ug/L	0.52	124	ug/L	2.6	2.08%
Cr 267.716†	3120.1	85.3	ug/L	2.12	426	ug/L	10.6	2.48%
Cu 324.752†	6957.8	27.6	ug/L	1.35	138	ug/L	6.8	4.89%
Fe 259.939†	667802.1	86200	ug/L	1355.2	431000	ug/L	6776.2	1.57%
K 766.490†	1753.4	481	ug/L	17.9	2400	ug/L	89.4	3.72%
Mg 279.077†	8440.2	726	ug/L	12.3	3630	ug/L	61.3	1.69%
Mn 257.610†	1222522.4	2430	ug/L	93.1	12200	ug/L	465.5	3.82%
Mo 202.031†	21.9	6.09	ug/L	0.691	30.4	ug/L	3.45	11.34%
Na 589.592†	54.7	-0.633	ug/L	2.9071	-3.16	ug/L	14.536	459.59%
Ni 231.604†	515.7	26.4	ug/L	0.97	132	ug/L	4.8	3.68%
Pb 220.353†	146.8	45.9	ug/L	1.62	230	ug/L	8.1	3.53%

Sb 206.836†	12.1	1.20 ug/L	3.389	6.01 ug/L	16.946	281.87%
Se 196.026†	-14.6	9.93 ug/L	2.443	49.6 ug/L	12.21	24.60%
Sn 189.927†	6.6	0.635 ug/L	1.2947	3.17 ug/L	6.473	203.95%
Sr 421.552†	2939.0	4.71 ug/L	0.147	23.5 ug/L	0.74	3.13%
Ti 334.940†	92237.7	188 ug/L	5.8	938 ug/L	28.8	3.07%
Tl 190.801†	3.9	2.02 ug/L	2.788	10.1 ug/L	13.94	137.88%
V 292.402†	4814.8	110 ug/L	2.1	552 ug/L	10.5	1.91%
Zn 206.200†	2283.6	89.7 ug/L	2.21	448 ug/L	11.0	2.46%

Sequence No.: 74 **Autosampler Location: 84**
Sample ID: 250893221 **Date Collected: 4/10/2008 4:38:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893221

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1913917.9	103	%	1.8				1.70%
Sc Radial	191791.7	107	%	0.8				0.72%
Ag 328.068†	-1310.0	0.781	ug/L	0.3971	0.781	ug/L	0.3971	50.86%
Al 308.215†	186687.2	85600	ug/L	1180.7	85600	ug/L	1180.7	1.38%
As 188.979†	383.9	210	ug/L	6.7	210	ug/L	6.7	3.19%
Ba 233.527†	64243.2	380	ug/L	8.0	380	ug/L	8.0	2.11%
Be 234.861†	783.7	1.65	ug/L	0.297	1.65	ug/L	0.297	17.94%
Ca 315.887†	12831.8	2090	ug/L	33.8	2090	ug/L	33.8	1.62%
Cd 226.502†	813.3	-1.01	ug/L	1.018	-1.01	ug/L	1.018	101.01%
Co 228.616†	2953.8	68.8	ug/L	1.36	68.8	ug/L	1.36	1.97%
Cr 267.716†	9148.7	251	ug/L	4.5	251	ug/L	4.5	1.79%
Cu 324.752†	33888.3	130	ug/L	3.2	130	ug/L	3.2	2.47%
Fe 259.939†	2057969.5	266000	ug/L	3331.3	266000	ug/L	3331.3	1.25%
K 766.490†	9577.0	2600	ug/L	35.3	2600	ug/L	35.3	1.36%
Mg 279.077†	37241.6	3180	ug/L	18.3	3180	ug/L	18.3	0.58%
Mn 257.610†	2135014.4	4250	ug/L	78.0	4250	ug/L	78.0	1.84%
Mo 202.031†	97.5	22.9	ug/L	1.01	22.9	ug/L	1.01	4.42%
Na 589.592†	434.4	44.7	ug/L	1.69	44.7	ug/L	1.69	3.78%
Ni 231.604†	1745.0	90.6	ug/L	1.92	90.6	ug/L	1.92	2.12%
Pb 220.353†	424.4	134	ug/L	4.3	134	ug/L	4.3	3.20%
Sb 206.836†	30.7	3.94	ug/L	2.152	3.94	ug/L	2.152	54.58%
Se 196.026†	-47.6	26.3	ug/L	6.96	26.3	ug/L	6.96	26.47%
Sn 189.927†	23.4	2.97	ug/L	3.169	2.97	ug/L	3.169	106.85%
Sr 421.552†	10516.7	17.1	ug/L	0.25	17.1	ug/L	0.25	1.46%
Ti 334.940†	409806.8	834	ug/L	20.8	834	ug/L	20.8	2.50%
Tl 190.801†	0.2	2.02	ug/L	2.262	2.02	ug/L	2.262	111.90%
V 292.402†	16310.6	370	ug/L	7.6	370	ug/L	7.6	2.04%
Zn 206.200†	17219.2	667	ug/L	14.1	667	ug/L	14.1	2.11%

Sequence No.: 75 **Autosampler Location: 85**
Sample ID: 250893222 **Date Collected: 4/10/2008 4:42:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250893222

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1927412.4	104	%	1.1				1.07%
Sc Radial	199397.0	111	%	1.7				1.50%
Ag 328.068†	598.1	9.31	ug/L	0.398	9.31	ug/L	0.398	4.28%
Al 308.215†	219782.9	101000	ug/L	1538.2	101000	ug/L	1538.2	1.53%
As 188.979†	329.3	178	ug/L	1.7	178	ug/L	1.7	0.95%
Ba 233.527†	368008.5	2180	ug/L	26.5	2180	ug/L	26.5	1.22%
Be 234.861†	2510.8	6.94	ug/L	0.272	6.94	ug/L	0.272	3.92%
Ca 315.887†	49646.1	8110	ug/L	116.5	8110	ug/L	116.5	1.44%
Cd 226.502†	602.4	1.52	ug/L	0.911	1.52	ug/L	0.911	59.73%
Co 228.616†	55231.7	1420	ug/L	4.7	1420	ug/L	4.7	0.33%
Cr 267.716†	6910.4	190	ug/L	0.3	190	ug/L	0.3	0.17%
Cu 324.752†	143362.6	517	ug/L	3.7	517	ug/L	3.7	0.71%
Fe 259.939†	1412294.2	182000	ug/L	5203.6	182000	ug/L	5203.6	2.86%
K 766.490†	6419.0	1740	ug/L	25.3	1740	ug/L	25.3	1.45%
Mg 279.077†	34615.8	2940	ug/L	73.6	2940	ug/L	73.6	2.51%
Mn 257.610†	28800698.0	57400	ug/L	924.1	57400	ug/L	924.1	1.61%
Mo 202.031†	82.3	17.0	ug/L	0.55	17.0	ug/L	0.55	3.20%
Na 589.592†	833.2	92.2	ug/L	2.67	92.2	ug/L	2.67	2.90%
Ni 231.604†	12280.8	659	ug/L	2.5	659	ug/L	2.5	0.38%
Pb 220.353†	1490.1	423	ug/L	1.8	423	ug/L	1.8	0.43%
Sb 206.836†	26.0	4.29	ug/L	0.959	4.29	ug/L	0.959	22.37%
Se 196.026†	10.3	17.1	ug/L	2.00	17.1	ug/L	2.00	11.71%
Sn 189.927†	17.8	1.26	ug/L	1.538	1.26	ug/L	1.538	122.13%
Sr 421.552†	43663.5	71.2	ug/L	1.07	71.2	ug/L	1.07	1.50%
Ti 334.940†	413551.7	841	ug/L	6.5	841	ug/L	6.5	0.77%
Tl 190.801†	135.9	4.55	ug/L	1.941	4.55	ug/L	1.941	42.70%
V 292.402†	13358.2	298	ug/L	0.8	298	ug/L	0.8	0.27%
Zn 206.200†	21372.9	821	ug/L	3.1	821	ug/L	3.1	0.38%

Sequence No.: 76 **Autosampler Location: 86**
Sample ID: 250893222 **Date Collected: 4/10/2008 4:47:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 20X **Sample Prep Vol:**

Mean Data: 250893222

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1924152.5	104	%	0.6				0.55%
Sc Radial	183358.9	102	%	8.2				8.06%
Ag 328.068†	18.4	0.225	ug/L	0.1094	4.50	ug/L	2.188	48.61%
Al 308.215†	12326.7	5650	ug/L	310.8	113000	ug/L	6217.0	5.50%
As 188.979†	12.6	7.29	ug/L	1.945	146	ug/L	38.9	26.68%
Ba 233.527†	18677.5	111	ug/L	0.4	2210	ug/L	7.9	0.36%
Be 234.861†	148.0	0.397	ug/L	0.0210	7.95	ug/L	0.420	5.28%
Ca 315.887†	2827.5	453	ug/L	23.6	9070	ug/L	472.8	5.21%
Cd 226.502†	23.6	-0.690	ug/L	0.1670	-13.8	ug/L	3.34	24.19%
Co 228.616†	2794.3	72.1	ug/L	0.23	1440	ug/L	4.7	0.32%
Cr 267.716†	362.4	9.38	ug/L	0.254	188	ug/L	5.1	2.71%
Cu 324.752†	6860.3	24.5	ug/L	0.34	490	ug/L	6.9	1.40%
Fe 259.939†	80498.6	10400	ug/L	754.3	208000	ug/L	15085.6	7.27%
K 766.490†	333.0	96.4	ug/L	11.39	1930	ug/L	227.8	11.82%
Mg 279.077†	1905.2	160	ug/L	14.5	3200	ug/L	289.1	9.04%
Mn 257.610†	1861281.7	3710	ug/L	6.6	74200	ug/L	131.6	0.18%
Mo 202.031†	-3.0	-0.027	ug/L	0.5267	-0.531	ug/L	10.5333	>999.9%
Na 589.592†	-46.1	-12.7	ug/L	3.17	-253	ug/L	63.4	25.04%
Ni 231.604†	648.3	34.3	ug/L	0.64	687	ug/L	12.8	1.87%
Pb 220.353†	81.1	22.9	ug/L	2.01	458	ug/L	40.2	8.79%

Sb 206.836†	13.3	3.54 ug/L	1.040	70.8 ug/L	20.81	29.39%
Se 196.026†	0.5	2.63 ug/L	1.748	52.5 ug/L	34.97	66.57%
Sn 189.927†	6.0	1.40 ug/L	1.780	28.0 ug/L	35.61	127.27%
Sr 421.552†	2442.2	3.90 ug/L	0.253	77.9 ug/L	5.07	6.50%
Ti 334.940†	20973.1	42.7 ug/L	0.37	853 ug/L	7.5	0.87%
Tl 190.801†	3.7	-1.64 ug/L	1.243	-32.8 ug/L	24.85	75.83%
V 292.402†	675.7	15.2 ug/L	0.10	304 ug/L	2.0	0.65%
Zn 206.200†	1153.5	42.9 ug/L	0.45	857 ug/L	9.0	1.05%

Sequence No.: 77 **Autosampler Location: 87**
Sample ID: 250891902 **Date Collected: 4/10/2008 4:51:52 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891902

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1852399.1	99.9	%	3.83				3.83%
Sc Radial	187835.1	105	%	0.9				0.84%
Ag 328.068†	-240.5	0.084	ug/L	0.1555	0.168	ug/L	0.3111	184.64%
Al 308.215†	5472.1	2510	ug/L	36.0	5020	ug/L	71.9	1.43%
As 188.979†	32.5	23.7	ug/L	2.44	47.3	ug/L	4.87	10.30%
Ba 233.527†	11123.7	65.8	ug/L	2.91	132	ug/L	5.8	4.42%
Be 234.861†	163.8	0.440	ug/L	0.0652	0.880	ug/L	0.1303	14.81%
Ca 315.887†	2602192.8	425000	ug/L	3275.5	851000	ug/L	6550.9	0.77%
Cd 226.502†	67.1	-2.73	ug/L	0.247	-5.45	ug/L	0.495	9.08%
Co 228.616†	78.2	1.77	ug/L	0.254	3.53	ug/L	0.508	14.38%
Cr 267.716†	923.8	24.6	ug/L	1.44	49.3	ug/L	2.88	5.84%
Cu 324.752†	10883.0	37.6	ug/L	2.71	75.1	ug/L	5.43	7.23%
Fe 259.939†	93936.3	12100	ug/L	86.0	24200	ug/L	172.0	0.71%
K 766.490†	1323.5	364	ug/L	7.5	729	ug/L	15.0	2.06%
Mg 279.077†	46792.1	3900	ug/L	63.4	7810	ug/L	126.7	1.62%
Mn 257.610†	176162.6	351	ug/L	15.7	701	ug/L	31.4	4.48%
Mo 202.031†	-8.2	-0.687	ug/L	1.3445	-1.37	ug/L	2.689	195.76%
Na 589.592†	33238.0	3960	ug/L	28.5	7920	ug/L	57.0	0.72%
Ni 231.604†	89.5	4.19	ug/L	0.691	8.39	ug/L	1.382	16.48%
Pb 220.353†	352.4	108	ug/L	1.7	217	ug/L	3.4	1.56%
Sb 206.836†	10.4	2.31	ug/L	0.997	4.61	ug/L	1.995	43.24%
Se 196.026†	-18.9	-5.41	ug/L	5.211	-10.8	ug/L	10.42	96.30%
Sn 189.927†	-24.1	-9.23	ug/L	2.076	-18.5	ug/L	4.15	22.49%
Sr 421.552†	1639699.1	2680	ug/L	21.6	5350	ug/L	43.3	0.81%
Ti 334.940†	29934.5	60.9	ug/L	2.56	122	ug/L	5.1	4.21%
Tl 190.801†	-7.0	-3.11	ug/L	0.632	-6.22	ug/L	1.264	20.33%
V 292.402†	825.0	18.5	ug/L	0.72	37.0	ug/L	1.45	3.91%
Zn 206.200†	11308.6	429	ug/L	17.9	858	ug/L	35.8	4.17%

Sequence No.: 78 **Autosampler Location: 88**
Sample ID: 250891902L **Date Collected: 4/10/2008 4:55:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 10X **Sample Prep Vol:**

Mean Data: 250891902L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1873240.5	101	%	0.1				0.09%
Sc Radial	191712.3	107	%	0.4				0.33%
Ag 328.068†	-62.7	-0.237	ug/L	0.1890	-2.37	ug/L	1.890	79.74%
Al 308.215†	1107.1	509	ug/L	2.8	5090	ug/L	27.8	0.55%
As 188.979†	13.1	8.38	ug/L	1.323	83.8	ug/L	13.23	15.78%
Ba 233.527†	2317.1	13.6	ug/L	0.06	136	ug/L	0.6	0.46%
Be 234.861†	37.8	0.092	ug/L	0.0299	0.917	ug/L	0.2992	32.64%
Ca 315.887†	537068.8	87800	ug/L	309.8	878000	ug/L	3097.6	0.35%
Cd 226.502†	13.1	-0.780	ug/L	0.4882	-7.80	ug/L	4.882	62.57%
Co 228.616†	1.6	0.059	ug/L	0.2012	0.595	ug/L	2.0119	338.32%
Cr 267.716†	268.0	6.70	ug/L	0.109	67.0	ug/L	1.09	1.63%
Cu 324.752†	2172.4	7.25	ug/L	0.210	72.5	ug/L	2.10	2.90%
Fe 259.939†	19525.1	2510	ug/L	13.5	25100	ug/L	135.1	0.54%
K 766.490†	272.7	80.1	ug/L	4.00	801	ug/L	40.0	5.00%
Mg 279.077†	9818.5	818	ug/L	2.6	8180	ug/L	25.6	0.31%
Mn 257.610†	37923.1	75.2	ug/L	0.17	752	ug/L	1.7	0.23%
Mo 202.031†	-2.2	-0.084	ug/L	0.4434	-0.838	ug/L	4.4345	529.47%
Na 589.592†	6533.0	772	ug/L	3.4	7720	ug/L	34.1	0.44%
Ni 231.604†	20.7	0.596	ug/L	0.1591	5.96	ug/L	1.591	26.69%
Pb 220.353†	86.8	26.7	ug/L	2.67	267	ug/L	26.7	10.02%
Sb 206.836†	4.7	0.551	ug/L	1.3326	5.51	ug/L	13.326	241.96%
Se 196.026†	-17.4	-10.2	ug/L	3.63	-102	ug/L	36.3	35.58%
Sn 189.927†	-13.2	-5.23	ug/L	1.775	-52.3	ug/L	17.75	33.95%
Sr 421.552†	335562.2	547	ug/L	0.9	5470	ug/L	9.0	0.16%
Ti 334.940†	6062.3	12.3	ug/L	0.06	123	ug/L	0.6	0.46%
Tl 190.801†	-10.8	-5.07	ug/L	0.799	-50.7	ug/L	7.99	15.76%
V 292.402†	180.8	4.01	ug/L	0.223	40.1	ug/L	2.23	5.56%
Zn 206.200†	2487.1	93.2	ug/L	0.09	932	ug/L	0.9	0.10%

Sequence No.: 79 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 5:00:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1859110.5	100	%	0.4				0.41%
Sc Radial	191858.1	107	%	0.7				0.65%
Ag 328.068†	84347.6	497	ug/L	4.5	497	ug/L	4.5	0.92%
QC value within limits for Ag 328.068 Recovery = 99.31%								
Al 308.215†	53213.5	24400	ug/L	143.8	24400	ug/L	143.8	0.59%
QC value within limits for Al 308.215 Recovery = 97.57%								
As 188.979†	986.7	507	ug/L	4.2	507	ug/L	4.2	0.83%
QC value within limits for As 188.979 Recovery = 101.47%								
Ba 233.527†	83926.5	497	ug/L	4.2	497	ug/L	4.2	0.84%
QC value within limits for Ba 233.527 Recovery = 99.47%								
Be 234.861†	169391.5	499	ug/L	2.0	499	ug/L	2.0	0.40%
QC value within limits for Be 234.861 Recovery = 99.77%								
Ca 315.887†	151291.2	24700	ug/L	148.2	24700	ug/L	148.2	0.60%
QC value within limits for Ca 315.887 Recovery = 98.87%								
Cd 226.502†	9653.8	505	ug/L	3.8	505	ug/L	3.8	0.75%
QC value within limits for Cd 226.502 Recovery = 100.93%								
Co 228.616†	19284.0	498	ug/L	3.2	498	ug/L	3.2	0.64%
QC value within limits for Co 228.616 Recovery = 99.50%								
Cr 267.716†	18682.8	508	ug/L	5.2	508	ug/L	5.2	1.01%
QC value within limits for Cr 267.716 Recovery = 101.51%								
Cu 324.752†	137798.5	492	ug/L	3.4	492	ug/L	3.4	0.70%
QC value within limits for Cu 324.752 Recovery = 98.40%								
Fe 259.939†	312720.5	40300	ug/L	287.3	40300	ug/L	287.3	0.71%
QC value within limits for Fe 259.939 Recovery = 100.86%								
K 766.490†	85980.1	23300	ug/L	96.2	23300	ug/L	96.2	0.41%
QC value within limits for K 766.490 Recovery = 93.11%								
Mg 279.077†	289347.7	24100	ug/L	276.7	24100	ug/L	276.7	1.15%
QC value within limits for Mg 279.077 Recovery = 96.55%								
Mn 257.610†	250384.0	498	ug/L	2.5	498	ug/L	2.5	0.50%
QC value within limits for Mn 257.610 Recovery = 99.52%								
Mo 202.031†	3309.9	499	ug/L	4.5	499	ug/L	4.5	0.90%
QC value within limits for Mo 202.031 Recovery = 99.77%								
Na 589.592†	202472.3	24100	ug/L	150.2	24100	ug/L	150.2	0.62%
QC value within limits for Na 589.592 Recovery = 96.59%								
Ni 231.604†	9472.8	509	ug/L	4.1	509	ug/L	4.1	0.80%
QC value within limits for Ni 231.604 Recovery = 101.79%								
Pb 220.353†	1674.3	501	ug/L	5.7	501	ug/L	5.7	1.14%
QC value within limits for Pb 220.353 Recovery = 100.29%								
Sb 206.836†	1387.4	499	ug/L	2.6	499	ug/L	2.6	0.51%
QC value within limits for Sb 206.836 Recovery = 99.76%								
Se 196.026†	609.4	496	ug/L	9.1	496	ug/L	9.1	1.84%
QC value within limits for Se 196.026 Recovery = 99.15%								
Sn 189.927†	1127.0	397	ug/L	4.3	397	ug/L	4.3	1.07%
QC value within limits for Sn 189.927 Recovery = 99.28%								
Sr 421.552†	242245.6	395	ug/L	2.2	395	ug/L	2.2	0.55%
QC value within limits for Sr 421.552 Recovery = 98.87%								
Ti 334.940†	196362.8	399	ug/L	2.1	399	ug/L	2.1	0.53%
QC value within limits for Ti 334.940 Recovery = 99.77%								
Tl 190.801†	935.8	497	ug/L	4.1	497	ug/L	4.1	0.83%
QC value within limits for Tl 190.801 Recovery = 99.40%								
V 292.402†	24731.6	509	ug/L	3.5	509	ug/L	3.5	0.69%
QC value within limits for V 292.402 Recovery = 101.87%								
Zn 206.200†	13463.9	512	ug/L	4.1	512	ug/L	4.1	0.81%
QC value within limits for Zn 206.200 Recovery = 102.40%								

All analyte(s) passed QC.

Sequence No.: 80 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 5:04:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1875586.5	101	%	0.3				0.31%
Sc Radial	190011.7	106	%	0.2				0.24%
Ag 328.068†	35.8	-0.014	ug/L	0.0611	-0.014	ug/L	0.0611	442.65%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	11.0	6.58	ug/L	4.641	6.58	ug/L	4.641	70.54%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-5.8	-2.66	ug/L	1.807	-2.66	ug/L	1.807	68.01%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	4.7	-0.106	ug/L	0.0828	-0.106	ug/L	0.0828	78.03%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	12.2	0.022	ug/L	0.0044	0.022	ug/L	0.0044	19.76%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	45.7	-1.32	ug/L	0.331	-1.32	ug/L	0.331	25.03%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-5.6	-0.519	ug/L	0.2018	-0.519	ug/L	0.2018	38.89%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-12.1	-0.225	ug/L	0.1103	-0.225	ug/L	0.1103	48.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.4	-0.356	ug/L	0.1123	-0.356	ug/L	0.1123	31.55%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	86.7	0.003	ug/L	0.0783	0.003	ug/L	0.0783	>999.9%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	72.9	2.45	ug/L	0.655	2.45	ug/L	0.655	26.69%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-28.1	-1.32	ug/L	2.390	-1.32	ug/L	2.390	180.69%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	7.3	-1.34	ug/L	1.786	-1.34	ug/L	1.786	132.83%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	128.7	-0.053	ug/L	0.0226	-0.053	ug/L	0.0226	42.48%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.2	-0.172	ug/L	0.5737	-0.172	ug/L	0.5737	333.90%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-102.3	-19.4	ug/L	4.40	-19.4	ug/L	4.40	22.74%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	15.2	0.322	ug/L	0.7772	0.322	ug/L	0.7772	241.15%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.6	-1.19	ug/L	2.431	-1.19	ug/L	2.431	203.68%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.2	0.865	ug/L	0.9430	0.865	ug/L	0.9430	109.03%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.0	1.29	ug/L	1.674	1.29	ug/L	1.674	129.72%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.5	-0.310	ug/L	1.1720	-0.310	ug/L	1.1720	378.14%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	27.4	-0.046	ug/L	0.0140	-0.046	ug/L	0.0140	30.62%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-8.7	-0.025	ug/L	0.0128	-0.025	ug/L	0.0128	51.67%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.1	0.150	ug/L	1.2337	0.150	ug/L	1.2337	821.52%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.4	0.064	ug/L	0.0321	0.064	ug/L	0.0321	50.46%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	27.3	-0.489	ug/L	0.1371	-0.489	ug/L	0.1371	28.05%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 81 **Autosampler Location: 89**
Sample ID: 259851 **Date Collected: 4/10/2008 5:08:48 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 259851

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1784748.0	96.2	%	0.44				0.46%
Sc Radial	184467.8	103	%	0.5				0.45%
Ag 328.068†	15525.4	93.7	ug/L	0.28	187	ug/L	0.6	0.30%
Al 308.215†	59176.0	27100	ug/L	9.2	54300	ug/L	18.5	0.03%
As 188.979†	508.5	269	ug/L	1.8	537	ug/L	3.6	0.67%
Ba 233.527†	135169.7	801	ug/L	2.4	1600	ug/L	4.8	0.30%
Be 234.861†	87769.8	258	ug/L	0.7	517	ug/L	1.5	0.29%
Ca 315.887†	2661162.2	435000	ug/L	3203.6	870000	ug/L	6407.2	0.74%
Cd 226.502†	4639.4	235	ug/L	1.2	471	ug/L	2.3	0.49%
Co 228.616†	8896.0	230	ug/L	1.2	459	ug/L	2.3	0.51%
Cr 267.716†	9858.3	268	ug/L	1.0	535	ug/L	2.0	0.38%
Cu 324.752†	84231.8	300	ug/L	0.5	599	ug/L	1.1	0.18%
Fe 259.939†	293715.0	37900	ug/L	22.0	75800	ug/L	44.0	0.06%
K 766.490†	90042.4	24400	ug/L	27.9	48800	ug/L	55.8	0.11%
Mg 279.077†	331637.7	27700	ug/L	138.0	55300	ug/L	275.9	0.50%
Mn 257.610†	292263.6	581	ug/L	1.0	1160	ug/L	2.1	0.18%
Mo 202.031†	1624.2	246	ug/L	1.3	491	ug/L	2.5	0.51%
Na 589.592†	242085.9	28900	ug/L	31.6	57700	ug/L	63.3	0.11%
Ni 231.604†	4458.6	239	ug/L	1.0	478	ug/L	2.0	0.42%
Pb 220.353†	1125.8	340	ug/L	6.3	680	ug/L	12.7	1.86%
Sb 206.836†	648.7	232	ug/L	0.4	464	ug/L	0.9	0.19%
Se 196.026†	290.4	246	ug/L	1.9	492	ug/L	3.7	0.76%
Sn 189.927†	672.7	237	ug/L	2.7	474	ug/L	5.4	1.15%
Sr 421.552†	1814875.3	2960	ug/L	12.7	5920	ug/L	25.4	0.43%
Ti 334.940†	133422.6	271	ug/L	1.0	542	ug/L	1.9	0.35%
Tl 190.801†	462.8	246	ug/L	2.1	493	ug/L	4.1	0.83%
V 292.402†	13044.8	271	ug/L	1.2	542	ug/L	2.4	0.44%
Zn 206.200†	15651.7	595	ug/L	1.7	1190	ug/L	3.5	0.29%

Sequence No.: 82 **Autosampler Location: 90**
Sample ID: 259852 **Date Collected: 4/10/2008 5:12:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 259852

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1778031.1	95.9	%	0.60				0.63%
Sc Radial	184692.9	103	%	0.2				0.21%
Ag 328.068†	15795.0	95.4	ug/L	0.27	191	ug/L	0.5	0.29%
Al 308.215†	59796.0	27400	ug/L	67.2	54800	ug/L	134.4	0.25%
As 188.979†	527.0	278	ug/L	4.0	557	ug/L	8.0	1.43%
Ba 233.527†	136879.4	811	ug/L	1.0	1620	ug/L	2.0	0.13%
Be 234.861†	90019.4	265	ug/L	1.5	530	ug/L	3.0	0.57%
Ca 315.887†	2852286.2	466000	ug/L	1224.5	932000	ug/L	2449.1	0.26%
Cd 226.502†	4707.9	239	ug/L	1.4	477	ug/L	2.7	0.57%
Co 228.616†	9015.2	233	ug/L	2.0	465	ug/L	4.0	0.87%
Cr 267.716†	9997.7	272	ug/L	0.9	543	ug/L	1.7	0.32%
Cu 324.752†	84274.9	300	ug/L	0.9	600	ug/L	1.7	0.29%
Fe 259.939†	290258.9	37400	ug/L	72.7	74900	ug/L	145.3	0.19%
K 766.490†	91237.1	24700	ug/L	83.8	49400	ug/L	167.5	0.34%
Mg 279.077†	333564.6	27800	ug/L	225.4	55600	ug/L	450.7	0.81%
Mn 257.610†	313755.4	624	ug/L	0.4	1250	ug/L	0.8	0.07%
Mo 202.031†	1661.9	251	ug/L	3.6	502	ug/L	7.3	1.45%
Na 589.592†	248347.3	29600	ug/L	71.9	59200	ug/L	143.8	0.24%
Ni 231.604†	4534.3	243	ug/L	1.2	486	ug/L	2.5	0.51%
Pb 220.353†	1138.0	344	ug/L	4.8	688	ug/L	9.5	1.39%
Sb 206.836†	659.6	236	ug/L	1.9	472	ug/L	3.7	0.79%
Se 196.026†	297.1	252	ug/L	2.4	503	ug/L	4.9	0.97%
Sn 189.927†	683.0	241	ug/L	4.1	481	ug/L	8.2	1.71%
Sr 421.552†	1836042.5	3000	ug/L	6.9	5990	ug/L	13.8	0.23%
Ti 334.940†	132718.0	270	ug/L	1.8	540	ug/L	3.6	0.67%
Tl 190.801†	469.6	250	ug/L	0.6	500	ug/L	1.1	0.22%
V 292.402†	13256.2	275	ug/L	1.5	551	ug/L	3.0	0.55%
Zn 206.200†	15520.1	590	ug/L	1.8	1180	ug/L	3.6	0.30%

Sequence No.: 83 **Autosampler Location: 91**
Sample ID: 250891902A **Date Collected: 4/10/2008 5:16:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891902A

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1798961.3	97.0	%	0.57				0.59%
Sc Radial	186496.7	104	%	1.0				0.93%
Ag 328.068†	32455.1	194	ug/L	1.3	388	ug/L	2.5	0.65%
Al 308.215†	110864.2	50800	ug/L	876.6	102000	ug/L	1753.3	1.73%
As 188.979†	943.6	492	ug/L	2.3	985	ug/L	4.5	0.46%
Ba 233.527†	246863.8	1460	ug/L	11.1	2930	ug/L	22.2	0.76%
Be 234.861†	171244.8	504	ug/L	1.8	1010	ug/L	3.5	0.35%
Ca 315.887†	2758166.2	451000	ug/L	3517.3	902000	ug/L	7034.7	0.78%
Cd 226.502†	8882.8	456	ug/L	3.4	913	ug/L	6.8	0.74%
Co 228.616†	17537.4	453	ug/L	3.0	905	ug/L	6.1	0.67%
Cr 267.716†	18359.2	499	ug/L	3.9	998	ug/L	7.7	0.77%
Cu 324.752†	149942.2	535	ug/L	3.7	1070	ug/L	7.3	0.69%
Fe 259.939†	466975.8	60200	ug/L	1043.8	120000	ug/L	2087.5	1.73%
K 766.490†	174967.1	47400	ug/L	699.0	94700	ug/L	1398.0	1.48%
Mg 279.077†	589270.1	49200	ug/L	327.0	98300	ug/L	654.0	0.67%
Mn 257.610†	404225.8	803	ug/L	3.5	1610	ug/L	7.0	0.43%
Mo 202.031†	3183.1	481	ug/L	3.8	961	ug/L	7.6	0.79%
Na 589.592†	443694.2	52900	ug/L	856.7	106000	ug/L	1713.5	1.62%
Ni 231.604†	8554.6	459	ug/L	3.5	919	ug/L	7.1	0.77%
Pb 220.353†	1891.7	569	ug/L	7.7	1140	ug/L	15.4	1.35%
Sb 206.836†	1305.7	469	ug/L	6.3	938	ug/L	12.6	1.34%
Se 196.026†	598.0	496	ug/L	10.9	991	ug/L	21.7	2.19%
Sn 189.927†	1339.0	472	ug/L	7.6	945	ug/L	15.2	1.60%
Sr 421.552†	1846940.9	3010	ug/L	23.3	6030	ug/L	46.6	0.77%
Ti 334.940†	260443.0	530	ug/L	2.9	1060	ug/L	5.7	0.54%
Tl 190.801†	918.8	488	ug/L	5.1	977	ug/L	10.2	1.04%
V 292.402†	24735.4	512	ug/L	2.8	1020	ug/L	5.7	0.55%
Zn 206.200†	23194.2	882	ug/L	6.4	1760	ug/L	12.8	0.72%

Sequence No.: 84 **Autosampler Location: 92**
Sample ID: 250891903 **Date Collected: 4/10/2008 5:20:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891903

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1791952.0	96.6	%	0.17				0.18%
Sc Radial	185043.9	103	%	0.4				0.39%
Ag 328.068†	-196.9	-0.063	ug/L	0.1550	-0.126	ug/L	0.3101	246.35%
Al 308.215†	5035.6	2310	ug/L	8.0	4620	ug/L	15.9	0.34%
As 188.979†	26.5	18.9	ug/L	2.28	37.7	ug/L	4.57	12.10%
Ba 233.527†	31210.1	185	ug/L	0.4	370	ug/L	0.7	0.19%
Be 234.861†	144.9	0.386	ug/L	0.0143	0.773	ug/L	0.0286	3.70%
Ca 315.887†	1864027.7	305000	ug/L	1056.9	609000	ug/L	2113.8	0.35%
Cd 226.502†	78.2	-0.831	ug/L	0.3210	-1.66	ug/L	0.642	38.62%
Co 228.616†	81.1	1.55	ug/L	0.081	3.10	ug/L	0.162	5.22%
Cr 267.716†	973.0	26.0	ug/L	0.16	51.9	ug/L	0.33	0.63%
Cu 324.752†	32987.2	117	ug/L	0.1	233	ug/L	0.2	0.11%
Fe 259.939†	86783.8	11200	ug/L	45.3	22400	ug/L	90.6	0.40%
K 766.490†	1090.2	301	ug/L	5.3	603	ug/L	10.5	1.75%
Mg 279.077†	49135.7	4100	ug/L	15.3	8200	ug/L	30.7	0.37%
Mn 257.610†	75690.6	150	ug/L	0.2	301	ug/L	0.4	0.13%
Mo 202.031†	0.8	0.645	ug/L	0.4512	1.29	ug/L	0.902	69.98%
Na 589.592†	18472.0	2200	ug/L	7.8	4390	ug/L	15.5	0.35%
Ni 231.604†	54.9	2.34	ug/L	0.796	4.69	ug/L	1.593	33.98%
Pb 220.353†	12059.7	3600	ug/L	17.1	7200	ug/L	34.2	0.47%
Sb 206.836†	103.4	36.3	ug/L	1.14	72.5	ug/L	2.28	3.14%
Se 196.026†	-22.5	-9.82	ug/L	7.127	-19.6	ug/L	14.25	72.55%
Sn 189.927†	4.0	-0.099	ug/L	2.5547	-0.198	ug/L	5.1093	>999.9%
Sr 421.552†	1301071.8	2120	ug/L	9.7	4250	ug/L	19.5	0.46%
Ti 334.940†	135213.3	275	ug/L	0.3	550	ug/L	0.7	0.12%
Tl 190.801†	-6.0	-2.38	ug/L	2.932	-4.76	ug/L	5.864	123.29%
V 292.402†	885.3	19.6	ug/L	0.18	39.2	ug/L	0.35	0.90%
Zn 206.200†	72317.9	2750	ug/L	5.9	5500	ug/L	11.7	0.21%

Sequence No.: 85 **Autosampler Location: 93**
Sample ID: 250891904 **Date Collected: 4/10/2008 5:25:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891904

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1775318.8	95.7	%	0.17				0.17%
Sc Radial	181135.0	101	%	0.6				0.63%
Ag 328.068†	-373.0	-0.089	ug/L	0.2289	-0.178	ug/L	0.4578	256.97%
Al 308.215†	6097.9	2800	ug/L	9.9	5590	ug/L	19.7	0.35%
As 188.979†	38.2	28.7	ug/L	3.69	57.5	ug/L	7.38	12.83%
Ba 233.527†	9000.8	53.2	ug/L	0.31	106	ug/L	0.6	0.58%
Be 234.861†	207.3	0.552	ug/L	0.0191	1.10	ug/L	0.038	3.46%
Ca 315.887†	3362739.1	550000	ug/L	5335.1	1100000	ug/L	10670.1	0.97%
Cd 226.502†	82.7	-4.17	ug/L	0.523	-8.35	ug/L	1.047	12.54%
Co 228.616†	78.2	1.63	ug/L	0.319	3.25	ug/L	0.639	19.64%
Cr 267.716†	1426.5	38.4	ug/L	0.36	76.8	ug/L	0.73	0.95%
Cu 324.752†	5796.6	19.3	ug/L	0.16	38.6	ug/L	0.31	0.82%
Fe 259.939†	145034.2	18700	ug/L	6.9	37400	ug/L	13.7	0.04%
K 766.490†	1165.9	322	ug/L	6.3	644	ug/L	12.5	1.95%
Mg 279.077†	71056.8	5930	ug/L	33.4	11900	ug/L	66.7	0.56%
Mn 257.610†	120529.7	240	ug/L	0.4	479	ug/L	0.7	0.16%
Mo 202.031†	-17.0	-1.79	ug/L	1.395	-3.59	ug/L	2.790	77.73%
Na 589.592†	44679.0	5320	ug/L	22.6	10600	ug/L	45.2	0.42%
Ni 231.604†	66.8	2.90	ug/L	0.215	5.81	ug/L	0.431	7.42%
Pb 220.353†	815.2	248	ug/L	3.5	495	ug/L	7.0	1.42%
Sb 206.836†	14.5	3.50	ug/L	0.338	7.01	ug/L	0.676	9.65%
Se 196.026†	-34.2	-14.5	ug/L	3.02	-29.1	ug/L	6.05	20.81%
Sn 189.927†	-25.8	-9.80	ug/L	1.480	-19.6	ug/L	2.96	15.11%
Sr 421.552†	2454701.2	4010	ug/L	32.7	8010	ug/L	65.4	0.82%
Ti 334.940†	23160.1	47.1	ug/L	0.03	94.2	ug/L	0.06	0.06%
Tl 190.801†	-10.6	-4.72	ug/L	3.213	-9.45	ug/L	6.425	68.00%
V 292.402†	1350.9	30.1	ug/L	0.18	60.2	ug/L	0.37	0.61%
Zn 206.200†	7603.8	289	ug/L	2.0	577	ug/L	4.0	0.69%

Sequence No.: 86 **Autosampler Location: 94**
Sample ID: 250891905 **Date Collected: 4/10/2008 5:29:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891905

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1767340.1	95.3	%	1.59				1.67%
Sc Radial	182367.1	101	%	2.6				2.57%
Ag 328.068†	-397.2	-0.120	ug/L	0.1293	-0.240	ug/L	0.2587	107.72%
Al 308.215†	6024.7	2760	ug/L	118.7	5530	ug/L	237.5	4.30%
As 188.979†	55.7	38.2	ug/L	2.68	76.3	ug/L	5.37	7.03%
Ba 233.527†	7116.5	42.0	ug/L	0.62	84.0	ug/L	1.24	1.48%
Be 234.861†	236.7	0.639	ug/L	0.0224	1.28	ug/L	0.045	3.50%
Ca 315.887†	3593959.8	587000	ug/L	14600.6	1170000	ug/L	29201.1	2.49%
Cd 226.502†	71.9	-5.07	ug/L	0.908	-10.1	ug/L	1.82	17.90%
Co 228.616†	90.4	1.93	ug/L	0.104	3.87	ug/L	0.209	5.40%
Cr 267.716†	1294.5	34.8	ug/L	0.93	69.6	ug/L	1.86	2.67%
Cu 324.752†	7270.6	24.4	ug/L	0.85	48.8	ug/L	1.70	3.48%
Fe 259.939†	143241.2	18500	ug/L	790.9	37000	ug/L	1581.8	4.28%
K 766.490†	966.2	268	ug/L	12.7	536	ug/L	25.5	4.76%
Mg 279.077†	69226.9	5780	ug/L	148.7	11600	ug/L	297.4	2.57%
Mn 257.610†	157431.8	313	ug/L	5.9	626	ug/L	11.8	1.89%
Mo 202.031†	-14.4	-1.41	ug/L	1.189	-2.83	ug/L	2.378	84.06%
Na 589.592†	46341.6	5520	ug/L	243.6	11000	ug/L	487.2	4.41%
Ni 231.604†	64.2	2.77	ug/L	0.330	5.54	ug/L	0.659	11.90%
Pb 220.353†	228.1	72.6	ug/L	2.55	145	ug/L	5.1	3.51%
Sb 206.836†	10.9	2.23	ug/L	0.782	4.46	ug/L	1.564	35.05%
Se 196.026†	-27.7	-9.03	ug/L	5.075	-18.1	ug/L	10.15	56.20%
Sn 189.927†	25.3	8.42	ug/L	0.628	16.8	ug/L	1.26	7.46%
Sr 421.552†	2517972.7	4110	ug/L	93.1	8220	ug/L	186.2	2.27%
Ti 334.940†	22522.6	45.8	ug/L	0.77	91.6	ug/L	1.54	1.68%
Tl 190.801†	-6.2	-2.47	ug/L	1.937	-4.93	ug/L	3.873	78.52%
V 292.402†	1390.7	30.9	ug/L	0.71	61.8	ug/L	1.41	2.28%
Zn 206.200†	3933.8	149	ug/L	2.9	298	ug/L	5.9	1.96%

Sequence No.: 87 **Autosampler Location: 95**
Sample ID: 250891908 **Date Collected: 4/10/2008 5:33:07 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891908

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1778532.3	95.9	%	0.41				0.43%
Sc Radial	184853.9	103	%	0.7				0.72%
Ag 328.068†	-306.0	-0.039	ug/L	0.2521	-0.078	ug/L	0.5043	649.60%
Al 308.215†	4518.4	2070	ug/L	11.8	4150	ug/L	23.6	0.57%
As 188.979†	26.1	21.7	ug/L	2.25	43.3	ug/L	4.49	10.37%
Ba 233.527†	6590.6	38.9	ug/L	0.36	77.8	ug/L	0.71	0.92%
Be 234.861†	122.6	0.320	ug/L	0.0221	0.641	ug/L	0.0442	6.90%
Ca 315.887†	3160032.2	516000	ug/L	3047.9	1030000	ug/L	6095.8	0.59%
Cd 226.502†	63.8	-3.65	ug/L	0.718	-7.31	ug/L	1.436	19.65%
Co 228.616†	44.9	0.950	ug/L	0.3190	1.90	ug/L	0.638	33.57%
Cr 267.716†	819.7	21.8	ug/L	0.53	43.6	ug/L	1.06	2.42%
Cu 324.752†	6836.4	22.8	ug/L	0.19	45.7	ug/L	0.37	0.82%
Fe 259.939†	88280.4	11400	ug/L	66.2	22800	ug/L	132.3	0.58%
K 766.490†	977.0	271	ug/L	3.0	541	ug/L	6.0	1.11%
Mg 279.077†	47205.4	3940	ug/L	24.8	7880	ug/L	49.6	0.63%
Mn 257.610†	107987.4	215	ug/L	0.5	429	ug/L	1.0	0.24%
Mo 202.031†	-11.1	-1.14	ug/L	0.201	-2.28	ug/L	0.402	17.62%
Na 589.592†	43598.4	5190	ug/L	40.3	10400	ug/L	80.6	0.78%
Ni 231.604†	48.7	2.01	ug/L	0.792	4.01	ug/L	1.584	39.50%
Pb 220.353†	221.4	69.9	ug/L	2.49	140	ug/L	5.0	3.56%
Sb 206.836†	6.9	1.05	ug/L	1.125	2.10	ug/L	2.249	107.28%
Se 196.026†	-22.4	-7.24	ug/L	4.840	-14.5	ug/L	9.68	66.84%
Sn 189.927†	-28.9	-10.8	ug/L	3.78	-21.7	ug/L	7.56	34.93%
Sr 421.552†	1889782.2	3080	ug/L	23.0	6170	ug/L	46.1	0.75%
Ti 334.940†	16542.1	33.6	ug/L	0.12	67.3	ug/L	0.24	0.36%
Tl 190.801†	-6.7	-2.83	ug/L	1.318	-5.66	ug/L	2.636	46.55%
V 292.402†	881.0	19.5	ug/L	0.26	39.0	ug/L	0.52	1.33%
Zn 206.200†	3116.3	117	ug/L	0.5	235	ug/L	1.0	0.42%

Sequence No.: 88 **Autosampler Location: 96**
Sample ID: 250891909 **Date Collected: 4/10/2008 5:37:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891909

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1768408.6	95.3	%	0.20				0.21%
Sc Radial	183043.7	102	%	0.0				0.03%
Ag 328.068†	-444.7	0.214	ug/L	0.2101	0.428	ug/L	0.4201	98.08%
Al 308.215†	4885.2	2240	ug/L	10.9	4480	ug/L	21.8	0.49%
As 188.979†	20.0	23.5	ug/L	1.09	46.9	ug/L	2.18	4.64%
Ba 233.527†	7639.6	45.1	ug/L	0.18	90.3	ug/L	0.36	0.40%
Be 234.861†	148.0	0.394	ug/L	0.0489	0.788	ug/L	0.0977	12.40%
Ca 315.887†	5202537.3	850000	ug/L	3768.3	1700000	ug/L	7536.7	0.44%
Cd 226.502†	79.1	-6.08	ug/L	0.660	-12.2	ug/L	1.32	10.84%
Co 228.616†	67.7	1.52	ug/L	0.119	3.03	ug/L	0.238	7.83%
Cr 267.716†	1215.3	32.6	ug/L	0.54	65.1	ug/L	1.08	1.66%
Cu 324.752†	15960.4	54.3	ug/L	0.16	109	ug/L	0.3	0.30%
Fe 259.939†	91040.1	11700	ug/L	42.1	23500	ug/L	84.3	0.36%
K 766.490†	1223.6	337	ug/L	3.0	675	ug/L	6.0	0.89%
Mg 279.077†	70069.6	5840	ug/L	22.3	11700	ug/L	44.6	0.38%
Mn 257.610†	114436.8	227	ug/L	0.1	455	ug/L	0.3	0.06%
Mo 202.031†	-14.0	-1.57	ug/L	1.281	-3.14	ug/L	2.561	81.67%
Na 589.592†	36590.4	4360	ug/L	10.3	8720	ug/L	20.6	0.24%
Ni 231.604†	97.4	4.62	ug/L	0.668	9.24	ug/L	1.336	14.46%
Pb 220.353†	274.0	87.8	ug/L	5.23	176	ug/L	10.5	5.96%
Sb 206.836†	9.5	1.87	ug/L	2.584	3.73	ug/L	5.169	138.50%
Se 196.026†	-25.3	-5.73	ug/L	3.657	-11.5	ug/L	7.31	63.87%
Sn 189.927†	-36.3	-13.5	ug/L	2.91	-26.9	ug/L	5.82	21.59%
Sr 421.552†	1736536.5	2830	ug/L	7.0	5660	ug/L	14.1	0.25%
Ti 334.940†	21748.0	44.2	ug/L	0.16	88.4	ug/L	0.32	0.36%
Tl 190.801†	-5.1	-2.01	ug/L	4.978	-4.02	ug/L	9.957	247.55%
V 292.402†	1772.1	37.6	ug/L	0.19	75.2	ug/L	0.37	0.49%
Zn 206.200†	3482.0	131	ug/L	0.2	263	ug/L	0.4	0.16%

Sequence No.: 89 **Autosampler Location: 97**
Sample ID: 250891916 **Date Collected: 4/10/2008 5:41:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 250891916

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1845552.7	99.5	%	0.17				0.18%
Sc Radial	188211.4	105	%	0.2				0.17%
Ag 328.068†	-224.7	0.118	ug/L	0.1333	0.237	ug/L	0.2667	112.70%
Al 308.215†	6468.8	2970	ug/L	10.5	5930	ug/L	21.0	0.35%
As 188.979†	33.4	23.6	ug/L	0.54	47.1	ug/L	1.09	2.30%
Ba 233.527†	55505.0	329	ug/L	0.7	658	ug/L	1.3	0.20%
Be 234.861†	180.2	0.477	ug/L	0.0347	0.954	ug/L	0.0695	7.28%
Ca 315.887†	2200728.9	360000	ug/L	1679.7	719000	ug/L	3359.4	0.47%
Cd 226.502†	152.3	1.66	ug/L	0.165	3.32	ug/L	0.330	9.96%
Co 228.616†	87.7	2.18	ug/L	0.175	4.35	ug/L	0.351	8.06%
Cr 267.716†	1874.8	50.5	ug/L	0.29	101	ug/L	0.6	0.57%
Cu 324.752†	31512.2	111	ug/L	0.6	223	ug/L	1.1	0.50%
Fe 259.939†	129391.0	16700	ug/L	20.2	33400	ug/L	40.4	0.12%
K 766.490†	706.4	197	ug/L	3.0	395	ug/L	6.1	1.53%
Mg 279.077†	47428.3	3960	ug/L	12.2	7920	ug/L	24.3	0.31%
Mn 257.610†	54473.3	108	ug/L	0.3	216	ug/L	0.6	0.27%
Mo 202.031†	-10.4	-0.872	ug/L	1.7121	-1.74	ug/L	3.424	196.46%
Na 589.592†	29870.0	3560	ug/L	1.8	7110	ug/L	3.5	0.05%
Ni 231.604†	88.5	4.09	ug/L	0.606	8.18	ug/L	1.211	14.81%
Pb 220.353†	15889.8	4740	ug/L	15.6	9490	ug/L	31.3	0.33%
Sb 206.836†	19.3	5.16	ug/L	1.226	10.3	ug/L	2.45	23.77%
Se 196.026†	-19.4	-5.45	ug/L	2.999	-10.9	ug/L	6.00	55.02%
Sn 189.927†	33.4	11.2	ug/L	3.42	22.3	ug/L	6.84	30.65%
Sr 421.552†	1489279.6	2430	ug/L	8.6	4860	ug/L	17.2	0.35%
Ti 334.940†	36447.7	74.2	ug/L	0.32	148	ug/L	0.6	0.43%
Tl 190.801†	-10.7	-4.70	ug/L	1.187	-9.41	ug/L	2.374	25.24%
V 292.402†	872.5	20.2	ug/L	0.07	40.3	ug/L	0.15	0.36%
Zn 206.200†	90868.5	3460	ug/L	10.1	6910	ug/L	20.2	0.29%

Sequence No.: 90 **Autosampler Location: 98**
Sample ID: 250891916 **Date Collected: 4/10/2008 5:45:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250891916

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Sc 361.383	1874506.4	101	%	1.3				1.31%
Sc Radial	192521.4	107	%	0.4				0.36%
Ag 328.068†	-98.5	-0.150	ug/L	0.1226	-0.748	ug/L	0.6129	81.89%
Al 308.215†	2503.7	1150	ug/L	2.6	5750	ug/L	13.1	0.23%
As 188.979†	15.7	10.7	ug/L	1.15	53.7	ug/L	5.76	10.73%
Ba 233.527†	22258.8	132	ug/L	2.1	659	ug/L	10.7	1.62%
Be 234.861†	78.8	0.203	ug/L	0.0321	1.01	ug/L	0.161	15.85%
Ca 315.887†	862218.7	141000	ug/L	808.6	705000	ug/L	4042.9	0.57%
Cd 226.502†	62.2	0.638	ug/L	0.4959	3.19	ug/L	2.479	77.71%
Co 228.616†	22.7	0.606	ug/L	0.0633	3.03	ug/L	0.317	10.46%
Cr 267.716†	812.8	21.6	ug/L	0.15	108	ug/L	0.8	0.70%
Cu 324.752†	12127.1	42.7	ug/L	0.76	213	ug/L	3.8	1.79%
Fe 259.939†	51190.1	6600	ug/L	9.3	33000	ug/L	46.4	0.14%
K 766.490†	276.5	81.1	ug/L	5.17	406	ug/L	25.8	6.37%
Mg 279.077†	18668.1	1560	ug/L	13.1	7780	ug/L	65.7	0.84%
Mn 257.610†	21923.3	43.3	ug/L	0.58	216	ug/L	2.9	1.33%
Mo 202.031†	3.5	0.891	ug/L	0.9049	4.45	ug/L	4.524	101.56%
Na 589.592†	11410.1	1350	ug/L	5.1	6770	ug/L	25.4	0.37%
Ni 231.604†	32.2	1.17	ug/L	0.527	5.84	ug/L	2.633	45.07%
Pb 220.353†	6304.5	1880	ug/L	26.0	9410	ug/L	129.9	1.38%

Sb 206.836†	8.9	1.86 ug/L	1.741	9.28 ug/L	8.704	93.79%
Se 196.026†	-16.8	-8.15 ug/L	5.614	-40.8 ug/L	28.07	68.86%
Sn 189.927†	8.6	2.47 ug/L	1.176	12.3 ug/L	5.88	47.62%
Sr 421.552†	581561.1	949 ug/L	1.9	4740 ug/L	9.4	0.20%
Ti 334.940†	14469.8	29.4 ug/L	0.30	147 ug/L	1.5	1.03%
Tl 190.801†	-9.9	-4.44 ug/L	0.580	-22.2 ug/L	2.90	13.04%
V 292.402†	344.6	7.96 ug/L	0.050	39.8 ug/L	0.25	0.62%
Zn 206.200†	36897.9	1400 ug/L	19.3	7010 ug/L	96.6	1.38%

Sequence No.: 91 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 5:49:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1925952.5	104	%	0.4				0.38%
Sc Radial	196346.0	109	%	0.5				0.49%
Ag 328.068†	81531.1	480	ug/L	4.3	480	ug/L	4.3	0.91%
QC value within limits for Ag 328.068 Recovery = 96.00%								
Al 308.215†	51848.6	23800	ug/L	32.3	23800	ug/L	32.3	0.14%
QC value within limits for Al 308.215 Recovery = 95.07%								
As 188.979†	964.0	496	ug/L	4.7	496	ug/L	4.7	0.94%
QC value within limits for As 188.979 Recovery = 99.13%								
Ba 233.527†	81517.9	483	ug/L	3.6	483	ug/L	3.6	0.74%
QC value within limits for Ba 233.527 Recovery = 96.62%								
Be 234.861†	165358.8	487	ug/L	1.5	487	ug/L	1.5	0.32%
QC value within limits for Be 234.861 Recovery = 97.40%								
Ca 315.887†	147755.1	24100	ug/L	69.1	24100	ug/L	69.1	0.29%
QC value within limits for Ca 315.887 Recovery = 96.56%								
Cd 226.502†	9360.6	489	ug/L	5.0	489	ug/L	5.0	1.02%
QC value within limits for Cd 226.502 Recovery = 97.87%								
Co 228.616†	18680.7	482	ug/L	3.9	482	ug/L	3.9	0.80%
QC value within limits for Co 228.616 Recovery = 96.39%								
Cr 267.716†	18084.3	491	ug/L	3.8	491	ug/L	3.8	0.78%
QC value within limits for Cr 267.716 Recovery = 98.25%								
Cu 324.752†	132240.2	472	ug/L	5.5	472	ug/L	5.5	1.16%
QC value within limits for Cu 324.752 Recovery = 94.43%								
Fe 259.939†	303292.9	39100	ug/L	83.9	39100	ug/L	83.9	0.21%
QC value within limits for Fe 259.939 Recovery = 97.82%								
K 766.490†	83909.0	22700	ug/L	29.4	22700	ug/L	29.4	0.13%
QC value within limits for K 766.490 Recovery = 90.86%								
Mg 279.077†	284290.1	23700	ug/L	132.1	23700	ug/L	132.1	0.56%
QC value within limits for Mg 279.077 Recovery = 94.87%								
Mn 257.610†	244381.3	486	ug/L	0.9	486	ug/L	0.9	0.20%
QC value within limits for Mn 257.610 Recovery = 97.14%								
Mo 202.031†	3237.4	488	ug/L	2.1	488	ug/L	2.1	0.43%
QC value within limits for Mo 202.031 Recovery = 97.59%								
Na 589.592†	198183.3	23600	ug/L	55.7	23600	ug/L	55.7	0.24%
QC value within limits for Na 589.592 Recovery = 94.55%								
Ni 231.604†	9151.8	492	ug/L	6.0	492	ug/L	6.0	1.23%
QC value within limits for Ni 231.604 Recovery = 98.34%								
Pb 220.353†	1622.8	486	ug/L	5.6	486	ug/L	5.6	1.15%
QC value within limits for Pb 220.353 Recovery = 97.21%								
Sb 206.836†	1354.7	487	ug/L	4.2	487	ug/L	4.2	0.87%
QC value within limits for Sb 206.836 Recovery = 97.41%								
Se 196.026†	586.2	477	ug/L	2.2	477	ug/L	2.2	0.47%
QC value within limits for Se 196.026 Recovery = 95.40%								
Sn 189.927†	1105.3	390	ug/L	1.2	390	ug/L	1.2	0.31%
QC value within limits for Sn 189.927 Recovery = 97.38%								
Sr 421.552†	235901.7	385	ug/L	0.7	385	ug/L	0.7	0.19%
QC value within limits for Sr 421.552 Recovery = 96.28%								
Ti 334.940†	191253.3	389	ug/L	1.5	389	ug/L	1.5	0.38%
QC value within limits for Ti 334.940 Recovery = 97.17%								
Tl 190.801†	917.2	487	ug/L	4.1	487	ug/L	4.1	0.85%
QC value within limits for Tl 190.801 Recovery = 97.43%								
V 292.402†	23882.6	492	ug/L	4.6	492	ug/L	4.6	0.93%
QC value within limits for V 292.402 Recovery = 98.39%								
Zn 206.200†	13127.7	499	ug/L	2.9	499	ug/L	2.9	0.58%
QC value within limits for Zn 206.200 Recovery = 99.83%								

All analyte(s) passed QC.

Sequence No.: 92 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 5:53:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1890750.8	102	%	0.1				0.11%
Sc Radial	187562.5	104	%	0.4				0.43%
Ag 328.068†	-2.2	-0.237	ug/L	0.1465	-0.237	ug/L	0.1465	61.85%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	0.3	1.66	ug/L	1.824	1.66	ug/L	1.824	109.69%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.1	1.86	ug/L	1.590	1.86	ug/L	1.590	85.48%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-2.7	-0.150	ug/L	0.0159	-0.150	ug/L	0.0159	10.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	15.7	0.033	ug/L	0.0119	0.033	ug/L	0.0119	36.12%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	94.4	6.65	ug/L	1.414	6.65	ug/L	1.414	21.27%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	1.6	-0.138	ug/L	0.3382	-0.138	ug/L	0.3382	244.68%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-4.5	-0.030	ug/L	0.0606	-0.030	ug/L	0.0606	201.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.5	-0.379	ug/L	0.1294	-0.379	ug/L	0.1294	34.13%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-91.3	-0.631	ug/L	0.1366	-0.631	ug/L	0.1366	21.65%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	65.4	1.49	ug/L	0.718	1.49	ug/L	0.718	48.04%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	54.4	21.0	ug/L	10.56	21.0	ug/L	10.56	50.24%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	2.5	-1.74	ug/L	0.700	-1.74	ug/L	0.700	40.19%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	11.0	-0.288	ug/L	0.0262	-0.288	ug/L	0.0262	9.09%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.4	-0.192	ug/L	1.3391	-0.192	ug/L	1.3391	699.00%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-75.8	-16.2	ug/L	1.77	-16.2	ug/L	1.77	10.94%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.3	-0.475	ug/L	0.3813	-0.475	ug/L	0.3813	80.20%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.8	1.29	ug/L	0.932	1.29	ug/L	0.932	72.29%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.5	-0.492	ug/L	1.8908	-0.492	ug/L	1.8908	384.55%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.4	2.41	ug/L	4.016	2.41	ug/L	4.016	166.84%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.4	-0.640	ug/L	2.4255	-0.640	ug/L	2.4255	379.18%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	63.2	0.013	ug/L	0.0244	0.013	ug/L	0.0244	191.35%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	2.1	-0.003	ug/L	0.0351	-0.003	ug/L	0.0351	>999.9%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.1	0.817	ug/L	0.5086	0.817	ug/L	0.5086	62.29%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	12.3	0.223	ug/L	0.1355	0.223	ug/L	0.1355	60.75%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	32.0	-0.310	ug/L	0.2280	-0.310	ug/L	0.2280	73.66%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 93 **Autosampler Location: 99**
Sample ID: 259896 **Date Collected: 4/10/2008 5:57:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259896

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1898725.5	102	%	0.5				0.44%
Sc Radial	190019.5	106	%	0.6				0.54%
Ag 328.068†	-10.0	-0.283	ug/L	0.0778	-0.283	ug/L	0.0778	27.51%
Al 308.215†	12.7	7.35	ug/L	3.533	7.35	ug/L	3.533	48.07%
As 188.979†	-4.8	-2.15	ug/L	3.165	-2.15	ug/L	3.165	147.18%
Ba 233.527†	5.4	-0.102	ug/L	0.0144	-0.102	ug/L	0.0144	14.21%
Be 234.861†	0.6	-0.012	ug/L	0.0152	-0.012	ug/L	0.0152	130.05%
Ca 315.887†	296.8	39.7	ug/L	1.65	39.7	ug/L	1.65	4.15%
Cd 226.502†	-2.2	-0.341	ug/L	0.0860	-0.341	ug/L	0.0860	25.20%
Co 228.616†	-8.6	-0.135	ug/L	0.1263	-0.135	ug/L	0.1263	93.83%
Cr 267.716†	11.2	-0.306	ug/L	0.2030	-0.306	ug/L	0.2030	66.29%
Cu 324.752†	-60.6	-0.522	ug/L	0.2009	-0.522	ug/L	0.2009	38.53%
Fe 259.939†	66.2	1.60	ug/L	0.680	1.60	ug/L	0.680	42.55%
K 766.490†	-15.8	1.99	ug/L	13.819	1.99	ug/L	13.819	693.14%
Mg 279.077†	-0.5	-2.00	ug/L	0.813	-2.00	ug/L	0.813	40.71%
Mn 257.610†	-7.9	-0.326	ug/L	0.0274	-0.326	ug/L	0.0274	8.42%
Mo 202.031†	-0.1	0.154	ug/L	0.8690	0.154	ug/L	0.8690	565.95%
Na 589.592†	-88.1	-17.7	ug/L	1.27	-17.7	ug/L	1.27	7.21%
Ni 231.604†	3.2	-0.321	ug/L	0.3987	-0.321	ug/L	0.3987	124.09%
Pb 220.353†	5.9	1.94	ug/L	0.445	1.94	ug/L	0.445	22.95%
Sb 206.836†	-0.1	-1.06	ug/L	0.586	-1.06	ug/L	0.586	55.45%
Se 196.026†	-0.5	1.68	ug/L	1.786	1.68	ug/L	1.786	106.61%
Sn 189.927†	1.7	0.107	ug/L	2.1702	0.107	ug/L	2.1702	>999.9%
Sr 421.552†	186.9	0.215	ug/L	0.0202	0.215	ug/L	0.0202	9.42%
Ti 334.940†	27.7	0.049	ug/L	0.0054	0.049	ug/L	0.0054	11.02%
Tl 190.801†	-2.8	-0.775	ug/L	1.0776	-0.775	ug/L	1.0776	139.13%
V 292.402†	-1.6	-0.056	ug/L	0.1125	-0.056	ug/L	0.1125	199.91%
Zn 206.200†	69.4	1.11	ug/L	0.178	1.11	ug/L	0.178	15.97%

Sequence No.: 94 **Autosampler Location: 100**
Sample ID: 259897 **Date Collected: 4/10/2008 6:02:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259897

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1838696.7	99.1	%	0.26				0.26%
Sc Radial	191649.6	107	%	1.1				1.02%
Ag 328.068†	31024.7	184	ug/L	0.5	184	ug/L	0.5	0.28%
Al 308.215†	101226.1	46400	ug/L	437.7	46400	ug/L	437.7	0.94%
As 188.979†	944.0	486	ug/L	5.5	486	ug/L	5.5	1.14%
Ba 233.527†	249439.6	1480	ug/L	2.5	1480	ug/L	2.5	0.17%
Be 234.861†	171922.3	506	ug/L	1.5	506	ug/L	1.5	0.30%
Ca 315.887†	286572.8	46800	ug/L	566.4	46800	ug/L	566.4	1.21%
Cd 226.502†	9471.8	494	ug/L	0.8	494	ug/L	0.8	0.17%
Co 228.616†	18612.2	481	ug/L	2.7	481	ug/L	2.7	0.57%
Cr 267.716†	18437.9	501	ug/L	3.0	501	ug/L	3.0	0.59%
Cu 324.752†	138906.8	496	ug/L	4.2	496	ug/L	4.2	0.84%
Fe 259.939†	372254.5	48000	ug/L	552.9	48000	ug/L	552.9	1.15%
K 766.490†	164495.7	44500	ug/L	404.5	44500	ug/L	404.5	0.91%
Mg 279.077†	542928.4	45300	ug/L	433.7	45300	ug/L	433.7	0.96%
Mn 257.610†	248348.7	493	ug/L	0.8	493	ug/L	0.8	0.16%
Mo 202.031†	3274.1	494	ug/L	1.1	494	ug/L	1.1	0.23%
Na 589.592†	393242.7	46900	ug/L	388.0	46900	ug/L	388.0	0.83%
Ni 231.604†	9274.1	498	ug/L	3.0	498	ug/L	3.0	0.61%
Pb 220.353†	1643.1	492	ug/L	2.8	492	ug/L	2.8	0.56%
Sb 206.836†	1414.2	509	ug/L	2.7	509	ug/L	2.7	0.54%
Se 196.026†	612.7	500	ug/L	3.9	500	ug/L	3.9	0.78%
Sn 189.927†	1391.2	491	ug/L	1.1	491	ug/L	1.1	0.22%
Sr 421.552†	288118.2	470	ug/L	4.6	470	ug/L	4.6	0.99%
Ti 334.940†	235167.9	478	ug/L	1.3	478	ug/L	1.3	0.28%
Tl 190.801†	938.2	499	ug/L	4.5	499	ug/L	4.5	0.90%
V 292.402†	24588.9	508	ug/L	1.7	508	ug/L	1.7	0.34%
Zn 206.200†	13368.3	508	ug/L	2.3	508	ug/L	2.3	0.45%

Sequence No.: 95 **Autosampler Location: 101**
Sample ID: 259898 **Date Collected: 4/10/2008 6:06:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259898

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1882942.6	102	%	0.3				0.27%
Sc Radial	192725.4	107	%	0.4				0.37%
Ag 328.068†	29605.5	176	ug/L	0.8	176	ug/L	0.8	0.44%
Al 308.215†	100277.3	46000	ug/L	55.2	46000	ug/L	55.2	0.12%
As 188.979†	909.4	469	ug/L	5.9	469	ug/L	5.9	1.26%
Ba 233.527†	237602.0	1410	ug/L	0.6	1410	ug/L	0.6	0.04%
Be 234.861†	164750.1	485	ug/L	1.8	485	ug/L	1.8	0.38%
Ca 315.887†	284168.5	46400	ug/L	24.3	46400	ug/L	24.3	0.05%
Cd 226.502†	9050.0	471	ug/L	0.9	471	ug/L	0.9	0.20%
Co 228.616†	17711.1	458	ug/L	2.8	458	ug/L	2.8	0.61%
Cr 267.716†	17617.5	479	ug/L	1.1	479	ug/L	1.1	0.23%
Cu 324.752†	132067.9	472	ug/L	2.8	472	ug/L	2.8	0.60%
Fe 259.939†	368672.9	47600	ug/L	84.3	47600	ug/L	84.3	0.18%
K 766.490†	163556.3	44300	ug/L	134.0	44300	ug/L	134.0	0.30%
Mg 279.077†	541689.3	45200	ug/L	109.6	45200	ug/L	109.6	0.24%
Mn 257.610†	236894.9	470	ug/L	0.1	470	ug/L	0.1	0.02%
Mo 202.031†	3122.5	471	ug/L	1.1	471	ug/L	1.1	0.23%
Na 589.592†	389716.4	46500	ug/L	36.3	46500	ug/L	36.3	0.08%
Ni 231.604†	8821.6	474	ug/L	2.6	474	ug/L	2.6	0.55%
Pb 220.353†	1569.1	470	ug/L	3.6	470	ug/L	3.6	0.76%
Sb 206.836†	1332.8	479	ug/L	1.7	479	ug/L	1.7	0.36%
Se 196.026†	586.1	479	ug/L	0.4	479	ug/L	0.4	0.09%
Sn 189.927†	1331.2	470	ug/L	1.4	470	ug/L	1.4	0.30%
Sr 421.552†	277539.0	453	ug/L	0.5	453	ug/L	0.5	0.12%
Ti 334.940†	225562.3	459	ug/L	2.0	459	ug/L	2.0	0.43%
Tl 190.801†	898.6	478	ug/L	2.8	478	ug/L	2.8	0.59%
V 292.402†	23428.3	484	ug/L	1.6	484	ug/L	1.6	0.33%
Zn 206.200†	12732.9	484	ug/L	1.6	484	ug/L	1.6	0.33%

Sequence No.: 96 **Autosampler Location: 102**
Sample ID: 25089[redacted] **Date Collected: 4/10/2008 6:10:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 25089[redacted]

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1940176.0	105	%	0.4				0.36%
Sc Radial	195876.7	109	%	0.5				0.42%
Ag 328.068†	-30.6	-0.190	ug/L	0.1103	-0.190	ug/L	0.1103	57.92%
Al 308.215†	158.7	74.3	ug/L	3.27	74.3	ug/L	3.27	4.40%
As 188.979†	2.9	2.37	ug/L	1.730	2.37	ug/L	1.730	72.95%
Ba 233.527†	10717.1	63.4	ug/L	0.22	63.4	ug/L	0.22	0.35%
Be 234.861†	29.7	0.064	ug/L	0.0366	0.064	ug/L	0.0366	57.02%
Ca 315.887†	161797.5	26400	ug/L	141.0	26400	ug/L	141.0	0.53%
Cd 226.502†	11.4	-0.552	ug/L	0.3725	-0.552	ug/L	0.3725	67.43%
Co 228.616†	16.9	0.496	ug/L	0.1255	0.496	ug/L	0.1255	25.29%
Cr 267.716†	68.4	1.30	ug/L	0.275	1.30	ug/L	0.275	21.12%
Cu 324.752†	-116.8	-0.684	ug/L	0.2225	-0.684	ug/L	0.2225	32.52%
Fe 259.939†	32145.3	4140	ug/L	31.9	4140	ug/L	31.9	0.77%
K 766.490†	5172.7	1410	ug/L	7.6	1410	ug/L	7.6	0.54%
Mg 279.077†	101742.7	8480	ug/L	58.9	8480	ug/L	58.9	0.69%
Mn 257.610†	8685.6	16.7	ug/L	0.04	16.7	ug/L	0.04	0.25%
Mo 202.031†	81.0	12.5	ug/L	0.67	12.5	ug/L	0.67	5.33%
Na 589.592†	20606.4	2450	ug/L	12.1	2450	ug/L	12.1	0.49%
Ni 231.604†	10.5	0.027	ug/L	0.1013	0.027	ug/L	0.1013	370.41%
Pb 220.353†	10.6	3.57	ug/L	1.633	3.57	ug/L	1.633	45.72%
Sb 206.836†	2.8	-0.027	ug/L	1.1158	-0.027	ug/L	1.1158	>999.9%
Se 196.026†	-4.2	0.039	ug/L	0.9228	0.039	ug/L	0.9228	>999.9%
Sn 189.927†	-2.3	-1.30	ug/L	0.355	-1.30	ug/L	0.355	27.24%
Sr 421.552†	113454.9	185	ug/L	1.1	185	ug/L	1.1	0.58%
Ti 334.940†	334.2	0.672	ug/L	0.0377	0.672	ug/L	0.0377	5.61%
Tl 190.801†	-1.4	0.032	ug/L	1.0546	0.032	ug/L	1.0546	>999.9%
V 292.402†	38.5	1.45	ug/L	0.251	1.45	ug/L	0.251	17.32%
Zn 206.200†	80.5	1.50	ug/L	0.089	1.50	ug/L	0.089	5.96%

Sequence No.: 97 **Autosampler Location: 103**
Sample ID: 25089[redacted] **Date Collected: 4/10/2008 6:14:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 25089[redacted]

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1842759.6	99.4	%	5.30				5.33%
Sc Radial	195947.0	109	%	5.6				5.15%
Ag 328.068†	3.8	-0.159	ug/L	0.2298	-0.793	ug/L	1.1490	144.85%
Al 308.215†	20.9	11.1	ug/L	4.07	55.6	ug/L	20.35	36.61%
As 188.979†	1.7	1.28	ug/L	3.650	6.39	ug/L	18.251	285.79%
Ba 233.527†	2255.2	13.2	ug/L	0.53	66.2	ug/L	2.65	4.00%
Be 234.861†	-3.9	-0.027	ug/L	0.0617	-0.135	ug/L	0.3084	227.89%
Ca 315.887†	32769.1	5350	ug/L	277.6	26700	ug/L	1388.0	5.19%
Cd 226.502†	-1.3	-0.485	ug/L	0.3840	-2.42	ug/L	1.920	79.22%
Co 228.616†	-1.5	0.042	ug/L	0.0952	0.209	ug/L	0.4758	228.04%
Cr 267.716†	14.6	-0.203	ug/L	0.0216	-1.02	ug/L	0.108	10.62%
Cu 324.752†	144.0	0.216	ug/L	1.2007	1.08	ug/L	6.003	556.63%
Fe 259.939†	6672.7	854	ug/L	44.9	4270	ug/L	224.7	5.26%
K 766.490†	1095.8	303	ug/L	13.5	1510	ug/L	67.3	4.44%
Mg 279.077†	20774.5	1730	ug/L	86.7	8650	ug/L	433.7	5.01%
Mn 257.610†	1861.7	3.35	ug/L	0.218	16.7	ug/L	1.09	6.51%
Mo 202.031†	17.4	2.81	ug/L	0.624	14.1	ug/L	3.12	22.19%
Na 589.592†	4088.7	481	ug/L	25.2	2400	ug/L	125.9	5.24%
Ni 231.604†	2.2	-0.383	ug/L	0.2007	-1.91	ug/L	1.004	52.42%
Pb 220.353†	1.8	0.739	ug/L	3.7006	3.69	ug/L	18.503	500.91%
Sb 206.836†	1.3	-0.550	ug/L	1.6562	-2.75	ug/L	8.281	301.23%
Se 196.026†	1.8	3.78	ug/L	3.257	18.9	ug/L	16.28	86.12%
Sn 189.927†	1.3	-0.027	ug/L	0.6450	-0.136	ug/L	3.2249	>999.9%
Sr 421.552†	22934.0	37.3	ug/L	2.41	187	ug/L	12.1	6.46%
Ti 334.940†	72.6	0.141	ug/L	0.0417	0.703	ug/L	0.2083	29.62%
Tl 190.801†	-1.3	0.056	ug/L	0.8139	0.282	ug/L	4.0696	>999.9%
V 292.402†	-0.8	0.103	ug/L	0.1533	0.516	ug/L	0.7664	148.45%
Zn 206.200†	52.8	0.475	ug/L	0.2377	2.37	ug/L	1.188	50.07%

Sequence No.: 98 **Autosampler Location: 104**
Sample ID: 259899 **Date Collected: 4/10/2008 6:19:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259899

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1860598.2	100	%	0.9				0.87%
Sc Radial	188878.7	105	%	0.4				0.42%
Ag 328.068†	29992.5	178	ug/L	2.2	178	ug/L	2.2	1.26%
Al 308.215†	104442.4	47900	ug/L	54.1	47900	ug/L	54.1	0.11%
As 188.979†	910.3	470	ug/L	4.1	470	ug/L	4.1	0.87%
Ba 233.527†	250372.9	1480	ug/L	16.1	1480	ug/L	16.1	1.09%
Be 234.861†	166733.8	491	ug/L	4.2	491	ug/L	4.2	0.86%
Ca 315.887†	460187.2	75200	ug/L	54.1	75200	ug/L	54.1	0.07%
Cd 226.502†	9128.1	474	ug/L	5.8	474	ug/L	5.8	1.22%
Co 228.616†	17954.3	464	ug/L	6.0	464	ug/L	6.0	1.29%
Cr 267.716†	17801.7	484	ug/L	5.1	484	ug/L	5.1	1.05%
Cu 324.752†	135886.5	485	ug/L	6.6	485	ug/L	6.6	1.36%
Fe 259.939†	413417.2	53300	ug/L	84.8	53300	ug/L	84.8	0.16%
K 766.490†	175537.7	47500	ug/L	152.5	47500	ug/L	152.5	0.32%
Mg 279.077†	661526.8	55200	ug/L	233.3	55200	ug/L	233.3	0.42%
Mn 257.610†	248207.3	492	ug/L	5.6	492	ug/L	5.6	1.13%
Mo 202.031†	3212.8	485	ug/L	3.5	485	ug/L	3.5	0.72%
Na 589.592†	426579.5	50900	ug/L	52.7	50900	ug/L	52.7	0.10%
Ni 231.604†	8902.1	478	ug/L	6.1	478	ug/L	6.1	1.28%
Pb 220.353†	1564.4	469	ug/L	1.2	469	ug/L	1.2	0.25%
Sb 206.836†	1343.4	483	ug/L	2.5	483	ug/L	2.5	0.51%
Se 196.026†	587.3	481	ug/L	5.3	481	ug/L	5.3	1.11%
Sn 189.927†	1329.0	469	ug/L	3.4	469	ug/L	3.4	0.73%
Sr 421.552†	401491.8	655	ug/L	0.8	655	ug/L	0.8	0.13%
Ti 334.940†	228045.3	464	ug/L	4.2	464	ug/L	4.2	0.91%
Tl 190.801†	902.5	480	ug/L	7.0	480	ug/L	7.0	1.46%
V 292.402†	23843.3	493	ug/L	5.6	493	ug/L	5.6	1.14%
Zn 206.200†	12807.0	487	ug/L	7.5	487	ug/L	7.5	1.55%

Sequence No.: 99 **Autosampler Location: 105**
Sample ID: 259900 **Date Collected: 4/10/2008 6:23:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 259900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1803866.2	97.3	%	0.18				0.18%
Sc Radial	184719.3	103	%	0.6				0.58%
Ag 328.068†	30546.1	181	ug/L	0.8	181	ug/L	0.8	0.43%
Al 308.215†	106510.8	48800	ug/L	79.3	48800	ug/L	79.3	0.16%
As 188.979†	933.7	482	ug/L	6.7	482	ug/L	6.7	1.38%
Ba 233.527†	254312.6	1510	ug/L	1.0	1510	ug/L	1.0	0.07%
Be 234.861†	169656.8	500	ug/L	2.7	500	ug/L	2.7	0.53%
Ca 315.887†	465728.1	76100	ug/L	224.6	76100	ug/L	224.6	0.30%
Cd 226.502†	9252.8	481	ug/L	1.7	481	ug/L	1.7	0.36%
Co 228.616†	18195.0	470	ug/L	1.0	470	ug/L	1.0	0.20%
Cr 267.716†	18230.1	495	ug/L	2.6	495	ug/L	2.6	0.52%
Cu 324.752†	137964.2	493	ug/L	1.0	493	ug/L	1.0	0.21%
Fe 259.939†	419769.2	54200	ug/L	132.6	54200	ug/L	132.6	0.24%
K 766.490†	178753.4	48400	ug/L	105.1	48400	ug/L	105.1	0.22%
Mg 279.077†	673983.5	56200	ug/L	229.2	56200	ug/L	229.2	0.41%
Mn 257.610†	252513.6	501	ug/L	0.4	501	ug/L	0.4	0.08%
Mo 202.031†	3283.8	496	ug/L	1.9	496	ug/L	1.9	0.39%
Na 589.592†	434845.8	51900	ug/L	80.3	51900	ug/L	80.3	0.15%
Ni 231.604†	9065.8	487	ug/L	1.1	487	ug/L	1.1	0.22%
Pb 220.353†	1612.2	483	ug/L	2.4	483	ug/L	2.4	0.50%
Sb 206.836†	1374.2	494	ug/L	2.2	494	ug/L	2.2	0.44%
Se 196.026†	594.9	487	ug/L	6.4	487	ug/L	6.4	1.32%
Sn 189.927†	1356.7	479	ug/L	3.2	479	ug/L	3.2	0.67%
Sr 421.552†	404066.5	659	ug/L	1.1	659	ug/L	1.1	0.17%
Ti 334.940†	232044.4	472	ug/L	3.8	472	ug/L	3.8	0.81%
Tl 190.801†	917.1	487	ug/L	8.4	487	ug/L	8.4	1.73%
V 292.402†	24242.3	502	ug/L	1.4	502	ug/L	1.4	0.28%
Zn 206.200†	13007.5	494	ug/L	1.3	494	ug/L	1.3	0.27%

Sequence No.: 100 **Autosampler Location: 106**
Sample ID: 25089[redacted] **Date Collected: 4/10/2008 6:27:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 25089[redacted]

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1854565.2	100.0	%	0.60				0.60%
Sc Radial	178021.6	99.1	%	7.03				7.09%
Ag 328.068†	33127.2	197	ug/L	1.4	197	ug/L	1.4	0.72%
Al 308.215†	110011.3	50400	ug/L	4557.4	50400	ug/L	4557.4	9.04%
As 188.979†	855.9	442	ug/L	3.8	442	ug/L	3.8	0.85%
Ba 233.527†	245620.4	1460	ug/L	1.7	1460	ug/L	1.7	0.11%
Be 234.861†	164237.5	484	ug/L	2.3	484	ug/L	2.3	0.47%
Ca 315.887†	475905.9	77800	ug/L	6860.7	77800	ug/L	6860.7	8.82%
Cd 226.502†	8957.3	465	ug/L	5.0	465	ug/L	5.0	1.08%
Co 228.616†	17611.9	455	ug/L	4.3	455	ug/L	4.3	0.94%
Cr 267.716†	17516.4	476	ug/L	4.6	476	ug/L	4.6	0.98%
Cu 324.752†	132610.3	474	ug/L	3.4	474	ug/L	3.4	0.73%
Fe 259.939†	432593.9	55800	ug/L	4962.9	55800	ug/L	4962.9	8.89%
K 766.490†	185567.2	50200	ug/L	4454.3	50200	ug/L	4454.3	8.87%
Mg 279.077†	680098.7	56700	ug/L	4335.0	56700	ug/L	4335.0	7.64%
Mn 257.610†	244059.7	484	ug/L	1.2	484	ug/L	1.2	0.25%
Mo 202.031†	3162.2	477	ug/L	3.0	477	ug/L	3.0	0.63%
Na 589.592†	449301.8	53600	ug/L	4947.6	53600	ug/L	4947.6	9.23%
Ni 231.604†	8735.7	469	ug/L	3.4	469	ug/L	3.4	0.72%
Pb 220.353†	1553.1	466	ug/L	5.5	466	ug/L	5.5	1.17%
Sb 206.836†	1263.1	454	ug/L	1.2	454	ug/L	1.2	0.27%
Se 196.026†	579.7	476	ug/L	6.8	476	ug/L	6.8	1.44%
Sn 189.927†	1314.0	464	ug/L	4.8	464	ug/L	4.8	1.03%
Sr 421.552†	419430.4	685	ug/L	62.2	685	ug/L	62.2	9.09%
Ti 334.940†	223916.8	455	ug/L	1.9	455	ug/L	1.9	0.41%
Tl 190.801†	907.6	483	ug/L	6.3	483	ug/L	6.3	1.30%
V 292.402†	23395.9	485	ug/L	4.0	485	ug/L	4.0	0.82%
Zn 206.200†	12605.2	479	ug/L	4.8	479	ug/L	4.8	1.01%

Sequence No.: 101 **Autosampler Location: 107**
Sample ID: 25089[redacted] **Date Collected: 4/10/2008 6:31:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 25089[redacted]

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1852454.9	99.9	%	0.59				0.60%
Sc Radial	186013.1	104	%	0.6				0.61%
Ag 328.068†	-36.1	-0.234	ug/L	0.2648	-0.234	ug/L	0.2648	112.98%
Al 308.215†	206.6	96.2	ug/L	2.02	96.2	ug/L	2.02	2.10%
As 188.979†	-1.0	0.168	ug/L	1.2677	0.168	ug/L	1.2677	755.59%
Ba 233.527†	3894.2	22.9	ug/L	0.05	22.9	ug/L	0.05	0.21%
Be 234.861†	29.6	0.059	ug/L	0.0133	0.059	ug/L	0.0133	22.47%
Ca 315.887†	26522.1	4330	ug/L	26.7	4330	ug/L	26.7	0.62%
Cd 226.502†	15.3	-0.444	ug/L	0.5842	-0.444	ug/L	0.5842	131.61%
Co 228.616†	46.6	1.17	ug/L	0.254	1.17	ug/L	0.254	21.60%
Cr 267.716†	22.6	0.082	ug/L	0.2269	0.082	ug/L	0.2269	277.99%
Cu 324.752†	592.9	2.00	ug/L	0.073	2.00	ug/L	0.073	3.66%
Fe 259.939†	46531.1	6000	ug/L	12.5	6000	ug/L	12.5	0.21%
K 766.490†	8235.8	2240	ug/L	14.9	2240	ug/L	14.9	0.67%
Mg 279.077†	24338.8	2030	ug/L	5.2	2030	ug/L	5.2	0.26%
Mn 257.610†	11782.5	23.1	ug/L	0.26	23.1	ug/L	0.26	1.12%
Mo 202.031†	0.9	0.495	ug/L	0.4505	0.495	ug/L	0.4505	90.99%
Na 589.592†	104373.7	12400	ug/L	10.6	12400	ug/L	10.6	0.09%
Ni 231.604†	15.6	0.284	ug/L	0.0942	0.284	ug/L	0.0942	33.16%
Pb 220.353†	4.3	1.68	ug/L	1.468	1.68	ug/L	1.468	87.52%
Sb 206.836†	5.3	0.772	ug/L	0.1986	0.772	ug/L	0.1986	25.73%
Se 196.026†	-6.4	-1.50	ug/L	3.365	-1.50	ug/L	3.365	223.68%
Sn 189.927†	-0.6	-0.724	ug/L	2.7345	-0.724	ug/L	2.7345	377.80%
Sr 421.552†	16632.3	27.0	ug/L	0.00	27.0	ug/L	0.00	0.01%
Ti 334.940†	424.0	0.856	ug/L	0.0456	0.856	ug/L	0.0456	5.32%
Tl 190.801†	-4.2	-1.38	ug/L	0.221	-1.38	ug/L	0.221	15.94%
V 292.402†	-18.0	0.517	ug/L	0.2820	0.517	ug/L	0.2820	54.53%
Zn 206.200†	1711.0	63.8	ug/L	0.58	63.8	ug/L	0.58	0.91%

Sequence No.: 102 **Autosampler Location: 108**
Sample ID: 25089[redacted] **Date Collected: 4/10/2008 6:36:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 25089[redacted]

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1887499.1	102	%	0.2				0.22%
Sc Radial	186626.2	104	%	0.8				0.76%
Ag 328.068†	-53.9	-0.372	ug/L	0.2343	-0.372	ug/L	0.2343	63.03%
Al 308.215†	1239.8	570	ug/L	3.8	570	ug/L	3.8	0.66%
As 188.979†	-2.2	-0.481	ug/L	2.9152	-0.481	ug/L	2.9152	605.66%
Ba 233.527†	8380.5	49.5	ug/L	0.41	49.5	ug/L	0.41	0.82%
Be 234.861†	32.4	0.070	ug/L	0.0207	0.070	ug/L	0.0207	29.43%
Ca 315.887†	30646.2	5000	ug/L	28.2	5000	ug/L	28.2	0.56%
Cd 226.502†	11.5	-0.462	ug/L	0.1597	-0.462	ug/L	0.1597	34.58%
Co 228.616†	41.6	1.10	ug/L	0.321	1.10	ug/L	0.321	29.26%
Cr 267.716†	74.5	1.48	ug/L	0.094	1.48	ug/L	0.094	6.38%
Cu 324.752†	51.4	0.024	ug/L	0.1740	0.024	ug/L	0.1740	716.42%
Fe 259.939†	37501.9	4830	ug/L	8.4	4830	ug/L	8.4	0.17%
K 766.490†	7013.0	1900	ug/L	9.4	1900	ug/L	9.4	0.50%
Mg 279.077†	41592.6	3470	ug/L	15.1	3470	ug/L	15.1	0.43%
Mn 257.610†	14665.4	28.8	ug/L	0.23	28.8	ug/L	0.23	0.81%
Mo 202.031†	3.5	0.847	ug/L	0.1843	0.847	ug/L	0.1843	21.77%
Na 589.592†	35806.2	4260	ug/L	12.1	4260	ug/L	12.1	0.28%
Ni 231.604†	25.4	0.824	ug/L	0.3477	0.824	ug/L	0.3477	42.21%
Pb 220.353†	5.5	1.97	ug/L	1.281	1.97	ug/L	1.281	65.07%
Sb 206.836†	7.1	1.45	ug/L	1.110	1.45	ug/L	1.110	76.63%
Se 196.026†	-2.4	1.34	ug/L	4.250	1.34	ug/L	4.250	317.50%
Sn 189.927†	-3.0	-1.57	ug/L	1.446	-1.57	ug/L	1.446	92.19%
Sr 421.552†	29624.0	48.3	ug/L	0.13	48.3	ug/L	0.13	0.27%
Ti 334.940†	1697.1	3.45	ug/L	0.030	3.45	ug/L	0.030	0.88%
Tl 190.801†	-0.5	0.553	ug/L	1.6172	0.553	ug/L	1.6172	292.50%
V 292.402†	53.2	1.78	ug/L	0.048	1.78	ug/L	0.048	2.67%
Zn 206.200†	84.8	1.84	ug/L	0.094	1.84	ug/L	0.094	5.13%

Sequence No.: 103 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 6:40:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 361.383	1857298.7	100	%	0.3				0.30%
Sc Radial	186197.4	104	%	0.5				0.48%
Ag 328.068†	83322.4	491	ug/L	1.1	491	ug/L	1.1	0.23%
QC value within limits for Ag 328.068 Recovery = 98.11%								
Al 308.215†	53200.6	24400	ug/L	117.5	24400	ug/L	117.5	0.48%
QC value within limits for Al 308.215 Recovery = 97.55%								
As 188.979†	971.0	499	ug/L	1.4	499	ug/L	1.4	0.27%
QC value within limits for As 188.979 Recovery = 99.86%								
Ba 233.527†	83113.6	493	ug/L	1.5	493	ug/L	1.5	0.31%
QC value within limits for Ba 233.527 Recovery = 98.51%								
Be 234.861†	168079.3	495	ug/L	3.0	495	ug/L	3.0	0.60%
QC value within limits for Be 234.861 Recovery = 99.00%								
Ca 315.887†	150303.0	24600	ug/L	110.2	24600	ug/L	110.2	0.45%
QC value within limits for Ca 315.887 Recovery = 98.23%								
Cd 226.502†	9519.8	498	ug/L	1.8	498	ug/L	1.8	0.37%
QC value within limits for Cd 226.502 Recovery = 99.53%								
Co 228.616†	19006.5	490	ug/L	1.9	490	ug/L	1.9	0.39%
QC value within limits for Co 228.616 Recovery = 98.07%								
Cr 267.716†	18503.0	503	ug/L	1.7	503	ug/L	1.7	0.33%
QC value within limits for Cr 267.716 Recovery = 100.53%								
Cu 324.752†	134505.4	480	ug/L	1.0	480	ug/L	1.0	0.21%
QC value within limits for Cu 324.752 Recovery = 96.05%								
Fe 259.939†	308289.8	39800	ug/L	179.5	39800	ug/L	179.5	0.45%
QC value within limits for Fe 259.939 Recovery = 99.43%								
K 766.490†	86665.0	23500	ug/L	83.1	23500	ug/L	83.1	0.35%
QC value within limits for K 766.490 Recovery = 93.85%								
Mg 279.077†	294406.2	24600	ug/L	62.9	24600	ug/L	62.9	0.26%
QC value within limits for Mg 279.077 Recovery = 98.24%								
Mn 257.610†	250427.7	498	ug/L	1.9	498	ug/L	1.9	0.37%
QC value within limits for Mn 257.610 Recovery = 99.54%								
Mo 202.031†	3297.5	497	ug/L	3.3	497	ug/L	3.3	0.67%
QC value within limits for Mo 202.031 Recovery = 99.40%								
Na 589.592†	203906.8	24300	ug/L	133.0	24300	ug/L	133.0	0.55%
QC value within limits for Na 589.592 Recovery = 97.28%								
Ni 231.604†	9315.8	500	ug/L	1.3	500	ug/L	1.3	0.25%
QC value within limits for Ni 231.604 Recovery = 100.10%								
Pb 220.353†	1660.5	497	ug/L	3.9	497	ug/L	3.9	0.78%
QC value within limits for Pb 220.353 Recovery = 99.47%								
Sb 206.836†	1371.7	493	ug/L	4.8	493	ug/L	4.8	0.96%
QC value within limits for Sb 206.836 Recovery = 98.63%								
Se 196.026†	611.0	497	ug/L	4.5	497	ug/L	4.5	0.91%
QC value within limits for Se 196.026 Recovery = 99.37%								
Sn 189.927†	1120.6	395	ug/L	3.3	395	ug/L	3.3	0.84%
QC value within limits for Sn 189.927 Recovery = 98.73%								
Sr 421.552†	240570.9	393	ug/L	2.2	393	ug/L	2.2	0.57%
QC value within limits for Sr 421.552 Recovery = 98.19%								
Ti 334.940†	192578.0	391	ug/L	3.0	391	ug/L	3.0	0.76%
QC value within limits for Ti 334.940 Recovery = 97.84%								
Tl 190.801†	943.6	501	ug/L	8.4	501	ug/L	8.4	1.67%
QC value within limits for Tl 190.801 Recovery = 100.23%								
V 292.402†	24408.2	503	ug/L	1.4	503	ug/L	1.4	0.28%
QC value within limits for V 292.402 Recovery = 100.54%								
Zn 206.200†	13351.3	508	ug/L	1.8	508	ug/L	1.8	0.36%
QC value within limits for Zn 206.200 Recovery = 101.53%								

All analyte(s) passed QC.

Sequence No.: 104 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 6:44:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1876266.5	101	%	0.8				0.81%
Sc Radial	186371.5	104	%	0.4				0.39%
Ag 328.068†	23.0	-0.089	ug/L	0.1167	-0.089	ug/L	0.1167	130.64%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	6.8	4.63	ug/L	2.756	4.63	ug/L	2.756	59.57%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-3.1	-1.30	ug/L	1.428	-1.30	ug/L	1.428	109.77%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	5.0	-0.104	ug/L	0.0262	-0.104	ug/L	0.0262	25.18%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	7.9	0.010	ug/L	0.0154	0.010	ug/L	0.0154	156.58%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	58.6	0.798	ug/L	1.0253	0.798	ug/L	1.0253	128.40%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-3.9	-0.429	ug/L	0.1222	-0.429	ug/L	0.1222	28.49%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	1.5	0.125	ug/L	0.3018	0.125	ug/L	0.3018	241.87%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.6	-0.457	ug/L	0.1855	-0.457	ug/L	0.1855	40.56%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-17.1	-0.367	ug/L	0.3529	-0.367	ug/L	0.3529	96.25%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	69.7	2.04	ug/L	1.025	2.04	ug/L	1.025	50.18%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-8.4	4.02	ug/L	5.935	4.02	ug/L	5.935	147.83%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	24.2	0.067	ug/L	1.8529	0.067	ug/L	1.8529	>999.9%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	20.3	-0.269	ug/L	0.0110	-0.269	ug/L	0.0110	4.10%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.6	0.560	ug/L	0.5709	0.560	ug/L	0.5709	102.00%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-38.1	-11.7	ug/L	1.55	-11.7	ug/L	1.55	13.28%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-5.5	-0.791	ug/L	1.2075	-0.791	ug/L	1.2075	152.69%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.5	-0.572	ug/L	2.8797	-0.572	ug/L	2.8797	503.36%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.3	-1.16	ug/L	1.457	-1.16	ug/L	1.457	126.07%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-3.8	-0.935	ug/L	4.7866	-0.935	ug/L	4.7866	511.73%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.2	-0.560	ug/L	1.9185	-0.560	ug/L	1.9185	342.68%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	64.2	0.014	ug/L	0.0307	0.014	ug/L	0.0307	212.66%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	12.4	0.018	ug/L	0.0263	0.018	ug/L	0.0263	145.86%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.1	0.135	ug/L	3.0765	0.135	ug/L	3.0765	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	3.8	0.055	ug/L	0.1816	0.055	ug/L	0.1816	329.89%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	28.9	-0.427	ug/L	0.2683	-0.427	ug/L	0.2683	62.87%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 105 **Autosampler Location: 109**
Sample ID: 250894804 **Date Collected: 4/10/2008 6:48:52 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894804

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1865739.0	101	%	0.6				0.61%
Sc Radial	187768.4	104	%	0.4				0.39%
Ag 328.068†	-28.4	-0.309	ug/L	0.1289	-0.309	ug/L	0.1289	41.68%
Al 308.215†	723.6	333	ug/L	0.5	333	ug/L	0.5	0.16%
As 188.979†	0.9	0.947	ug/L	1.3356	0.947	ug/L	1.3356	140.97%
Ba 233.527†	8785.3	51.9	ug/L	0.42	51.9	ug/L	0.42	0.81%
Be 234.861†	115.8	0.323	ug/L	0.0295	0.323	ug/L	0.0295	9.16%
Ca 315.887†	25825.6	4210	ug/L	9.6	4210	ug/L	9.6	0.23%
Cd 226.502†	4.2	-0.392	ug/L	0.0861	-0.392	ug/L	0.0861	21.98%
Co 228.616†	24.5	0.726	ug/L	0.2026	0.726	ug/L	0.2026	27.92%
Cr 267.716†	59.6	1.04	ug/L	0.421	1.04	ug/L	0.421	40.61%
Cu 324.752†	111.0	0.139	ug/L	0.1362	0.139	ug/L	0.1362	97.79%
Fe 259.939†	16589.3	2130	ug/L	7.0	2130	ug/L	7.0	0.33%
K 766.490†	7687.6	2090	ug/L	2.0	2090	ug/L	2.0	0.09%
Mg 279.077†	50824.8	4240	ug/L	43.7	4240	ug/L	43.7	1.03%
Mn 257.610†	9133.4	17.8	ug/L	0.11	17.8	ug/L	0.11	0.63%
Mo 202.031†	1.6	0.490	ug/L	0.5312	0.490	ug/L	0.5312	108.45%
Na 589.592†	71768.5	8550	ug/L	23.6	8550	ug/L	23.6	0.28%
Ni 231.604†	16.9	0.393	ug/L	0.2905	0.393	ug/L	0.2905	73.87%
Pb 220.353†	13.9	4.36	ug/L	1.403	4.36	ug/L	1.403	32.15%
Sb 206.836†	1.0	-0.717	ug/L	0.8472	-0.717	ug/L	0.8472	118.21%
Se 196.026†	-5.6	-1.83	ug/L	4.069	-1.83	ug/L	4.069	222.96%
Sn 189.927†	1.5	0.028	ug/L	0.9938	0.028	ug/L	0.9938	>999.9%
Sr 421.552†	28347.4	46.2	ug/L	0.11	46.2	ug/L	0.11	0.23%
Ti 334.940†	941.2	1.91	ug/L	0.055	1.91	ug/L	0.055	2.89%
Tl 190.801†	-1.3	0.085	ug/L	1.1253	0.085	ug/L	1.1253	>999.9%
V 292.402†	83.8	1.99	ug/L	0.195	1.99	ug/L	0.195	9.80%
Zn 206.200†	142.3	3.87	ug/L	0.026	3.87	ug/L	0.026	0.68%

Sequence No.: 106 **Autosampler Location: 110**
Sample ID: 250894805 **Date Collected: 4/10/2008 6:53:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894805

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1885553.6	102	%	0.1				0.08%
Sc Radial	190281.6	106	%	0.3				0.26%
Ag 328.068†	-39.2	-0.318	ug/L	0.1927	-0.318	ug/L	0.1927	60.68%
Al 308.215†	333.5	154	ug/L	3.9	154	ug/L	3.9	2.51%
As 188.979†	-1.5	-0.096	ug/L	1.5473	-0.096	ug/L	1.5473	>999.9%
Ba 233.527†	1303.0	7.58	ug/L	0.084	7.58	ug/L	0.084	1.11%
Be 234.861†	-4.2	-0.033	ug/L	0.0115	-0.033	ug/L	0.0115	35.24%
Ca 315.887†	94287.9	15400	ug/L	60.0	15400	ug/L	60.0	0.39%
Cd 226.502†	4.3	-0.605	ug/L	0.2406	-0.605	ug/L	0.2406	39.75%
Co 228.616†	-4.6	-0.094	ug/L	0.0719	-0.094	ug/L	0.0719	76.34%
Cr 267.716†	90.7	1.89	ug/L	0.220	1.89	ug/L	0.220	11.63%
Cu 324.752†	175.1	0.356	ug/L	0.1132	0.356	ug/L	0.1132	31.75%
Fe 259.939†	21786.7	2800	ug/L	4.1	2800	ug/L	4.1	0.15%
K 766.490†	6715.6	1820	ug/L	14.3	1820	ug/L	14.3	0.78%
Mg 279.077†	51673.4	4310	ug/L	28.7	4310	ug/L	28.7	0.67%
Mn 257.610†	26267.7	51.9	ug/L	0.11	51.9	ug/L	0.11	0.21%
Mo 202.031†	2.2	0.600	ug/L	0.2827	0.600	ug/L	0.2827	47.14%
Na 589.592†	58420.5	6960	ug/L	15.8	6960	ug/L	15.8	0.23%
Ni 231.604†	22.6	0.692	ug/L	0.2623	0.692	ug/L	0.2623	37.89%
Pb 220.353†	2.5	1.05	ug/L	2.086	1.05	ug/L	2.086	198.89%
Sb 206.836†	1.0	-0.752	ug/L	1.3544	-0.752	ug/L	1.3544	180.21%
Se 196.026†	-3.6	0.070	ug/L	4.4166	0.070	ug/L	4.4166	>999.9%
Sn 189.927†	-0.9	-0.832	ug/L	2.7333	-0.832	ug/L	2.7333	328.64%
Sr 421.552†	96591.1	158	ug/L	0.4	158	ug/L	0.4	0.24%
Ti 334.940†	808.0	1.64	ug/L	0.070	1.64	ug/L	0.070	4.30%
Tl 190.801†	-7.2	-3.09	ug/L	2.542	-3.09	ug/L	2.542	82.37%
V 292.402†	15.4	0.712	ug/L	0.0741	0.712	ug/L	0.0741	10.40%
Zn 206.200†	873.2	31.7	ug/L	0.38	31.7	ug/L	0.38	1.20%

Sequence No.: 107 **Autosampler Location: 111**
Sample ID: 250894806 **Date Collected: 4/10/2008 6:57:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894806

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1904409.8	103	%	0.8				0.74%
Sc Radial	192194.0	107	%	0.7				0.62%
Ag 328.068†	-93.9	-0.208	ug/L	0.0676	-0.208	ug/L	0.0676	32.48%
Al 308.215†	1165.9	536	ug/L	3.6	536	ug/L	3.6	0.67%
As 188.979†	39.2	21.2	ug/L	2.06	21.2	ug/L	2.06	9.69%
Ba 233.527†	3729.1	21.9	ug/L	0.19	21.9	ug/L	0.19	0.88%
Be 234.861†	81.1	0.184	ug/L	0.0189	0.184	ug/L	0.0189	10.25%
Ca 315.887†	51985.6	8490	ug/L	36.8	8490	ug/L	36.8	0.43%
Cd 226.502†	54.6	-0.251	ug/L	0.0381	-0.251	ug/L	0.0381	15.20%
Co 228.616†	12.0	0.004	ug/L	0.0564	0.004	ug/L	0.0564	>999.9%
Cr 267.716†	230.1	5.86	ug/L	0.167	5.86	ug/L	0.167	2.85%
Cu 324.752†	944.9	3.64	ug/L	0.227	3.64	ug/L	0.227	6.24%
Fe 259.939†	133210.7	17200	ug/L	60.3	17200	ug/L	60.3	0.35%
K 766.490†	6435.6	1750	ug/L	7.9	1750	ug/L	7.9	0.45%
Mg 279.077†	54340.5	4530	ug/L	25.3	4530	ug/L	25.3	0.56%
Mn 257.610†	39064.8	77.2	ug/L	0.55	77.2	ug/L	0.55	0.71%
Mo 202.031†	15.5	3.04	ug/L	0.350	3.04	ug/L	0.350	11.52%
Na 589.592†	80632.2	9610	ug/L	29.7	9610	ug/L	29.7	0.31%
Ni 231.604†	72.0	3.20	ug/L	0.380	3.20	ug/L	0.380	11.88%
Pb 220.353†	8.7	3.36	ug/L	1.051	3.36	ug/L	1.051	31.30%
Sb 206.836†	3.6	-0.057	ug/L	0.7591	-0.057	ug/L	0.7591	>999.9%
Se 196.026†	-10.1	-1.68	ug/L	4.965	-1.68	ug/L	4.965	295.36%
Sn 189.927†	0.9	-0.200	ug/L	2.8454	-0.200	ug/L	2.8454	>999.9%
Sr 421.552†	35111.0	57.2	ug/L	0.22	57.2	ug/L	0.22	0.39%
Ti 334.940†	1779.7	3.62	ug/L	0.094	3.62	ug/L	0.094	2.59%
Tl 190.801†	-4.3	-1.18	ug/L	2.134	-1.18	ug/L	2.134	180.08%
V 292.402†	-19.7	2.18	ug/L	0.147	2.18	ug/L	0.147	6.71%
Zn 206.200†	2363.0	89.1	ug/L	0.84	89.1	ug/L	0.84	0.94%

Sequence No.: 108 **Autosampler Location: 112**
Sample ID: 250894807 **Date Collected: 4/10/2008 7:02:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894807

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1927361.0	104	%	0.3				0.24%
Sc Radial	191777.4	107	%	0.5				0.47%
Ag 328.068†	-39.1	-0.281	ug/L	0.0735	-0.281	ug/L	0.0735	26.18%
Al 308.215†	1245.3	572	ug/L	3.8	572	ug/L	3.8	0.67%
As 188.979†	-3.0	-0.790	ug/L	0.6634	-0.790	ug/L	0.6634	84.01%
Ba 233.527†	5048.5	29.8	ug/L	0.12	29.8	ug/L	0.12	0.39%
Be 234.861†	39.7	0.094	ug/L	0.0123	0.094	ug/L	0.0123	13.08%
Ca 315.887†	86579.6	14100	ug/L	59.5	14100	ug/L	59.5	0.42%
Cd 226.502†	11.2	-0.433	ug/L	0.1994	-0.433	ug/L	0.1994	46.07%
Co 228.616†	18.1	0.485	ug/L	0.2002	0.485	ug/L	0.2002	41.27%
Cr 267.716†	121.9	2.75	ug/L	0.092	2.75	ug/L	0.092	3.32%
Cu 324.752†	147.1	0.307	ug/L	0.0528	0.307	ug/L	0.0528	17.19%
Fe 259.939†	31364.9	4040	ug/L	52.3	4040	ug/L	52.3	1.30%
K 766.490†	6171.7	1680	ug/L	3.9	1680	ug/L	3.9	0.23%
Mg 279.077†	45296.2	3780	ug/L	16.8	3780	ug/L	16.8	0.44%
Mn 257.610†	7327.3	14.2	ug/L	0.08	14.2	ug/L	0.08	0.60%
Mo 202.031†	12.9	2.24	ug/L	0.464	2.24	ug/L	0.464	20.69%
Na 589.592†	43557.5	5190	ug/L	9.7	5190	ug/L	9.7	0.19%
Ni 231.604†	22.2	0.657	ug/L	0.1343	0.657	ug/L	0.1343	20.45%
Pb 220.353†	1.5	0.805	ug/L	1.4179	0.805	ug/L	1.4179	176.18%
Sb 206.836†	-1.6	-1.71	ug/L	0.697	-1.71	ug/L	0.697	40.67%
Se 196.026†	-4.8	-0.635	ug/L	1.0938	-0.635	ug/L	1.0938	172.21%
Sn 189.927†	0.7	-0.274	ug/L	1.5182	-0.274	ug/L	1.5182	554.46%
Sr 421.552†	48278.9	78.7	ug/L	0.27	78.7	ug/L	0.27	0.35%
Ti 334.940†	2038.2	4.14	ug/L	0.048	4.14	ug/L	0.048	1.17%
Tl 190.801†	-4.6	-1.66	ug/L	1.044	-1.66	ug/L	1.044	63.02%
V 292.402†	69.0	1.99	ug/L	0.288	1.99	ug/L	0.288	14.47%
Zn 206.200†	155.2	4.47	ug/L	0.213	4.47	ug/L	0.213	4.77%

Sequence No.: 109 **Autosampler Location: 113**
Sample ID: 250894808 **Date Collected: 4/10/2008 7:06:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894808

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1852920.1	99.9	%	0.11				0.11%
Sc Radial	186687.3	104	%	0.9				0.86%
Ag 328.068†	-48.3	-0.398	ug/L	0.2225	-0.398	ug/L	0.2225	55.96%
Al 308.215†	23.7	12.4	ug/L	1.40	12.4	ug/L	1.40	11.29%
As 188.979†	-1.4	0.105	ug/L	3.2988	0.105	ug/L	3.2988	>999.9%
Ba 233.527†	924.5	5.35	ug/L	0.052	5.35	ug/L	0.052	0.97%
Be 234.861†	-11.7	-0.048	ug/L	0.0256	-0.048	ug/L	0.0256	53.68%
Ca 315.887†	216892.8	35400	ug/L	191.9	35400	ug/L	191.9	0.54%
Cd 226.502†	-2.1	-0.672	ug/L	0.3263	-0.672	ug/L	0.3263	48.54%
Co 228.616†	-10.0	-0.167	ug/L	0.1757	-0.167	ug/L	0.1757	105.52%
Cr 267.716†	114.9	2.51	ug/L	0.308	2.51	ug/L	0.308	12.26%
Cu 324.752†	68.2	-0.202	ug/L	0.1051	-0.202	ug/L	0.1051	51.98%
Fe 259.939†	40.6	-1.71	ug/L	0.415	-1.71	ug/L	0.415	24.27%
K 766.490†	2075.0	568	ug/L	4.1	568	ug/L	4.1	0.71%
Mg 279.077†	100111.0	8350	ug/L	33.6	8350	ug/L	33.6	0.40%
Mn 257.610†	226.0	-0.061	ug/L	0.0194	-0.061	ug/L	0.0194	31.57%
Mo 202.031†	7.5	1.32	ug/L	0.839	1.32	ug/L	0.839	63.62%
Na 589.592†	41395.1	4930	ug/L	22.3	4930	ug/L	22.3	0.45%
Ni 231.604†	15.4	0.334	ug/L	0.3430	0.334	ug/L	0.3430	102.63%
Pb 220.353†	6.6	2.26	ug/L	1.910	2.26	ug/L	1.910	84.37%
Sb 206.836†	3.2	0.097	ug/L	0.9943	0.097	ug/L	0.9943	>999.9%
Se 196.026†	-3.3	-0.107	ug/L	7.3715	-0.107	ug/L	7.3715	>999.9%
Sn 189.927†	-6.3	-2.72	ug/L	1.736	-2.72	ug/L	1.736	63.91%
Sr 421.552†	89886.9	146	ug/L	0.4	146	ug/L	0.4	0.29%
Ti 334.940†	78.2	0.152	ug/L	0.0264	0.152	ug/L	0.0264	17.34%
Tl 190.801†	-11.8	-5.58	ug/L	2.108	-5.58	ug/L	2.108	37.77%
V 292.402†	-0.9	-0.034	ug/L	0.0557	-0.034	ug/L	0.0557	162.57%
Zn 206.200†	15.9	-1.17	ug/L	0.276	-1.17	ug/L	0.276	23.64%

Sequence No.: 110 **Autosampler Location: 114**
Sample ID: 250894809 **Date Collected: 4/10/2008 7:11:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894809

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1949206.4	105	%	0.4				0.36%
Sc Radial	195029.1	109	%	1.0				0.94%
Ag 328.068†	-16.5	-0.243	ug/L	0.1140	-0.243	ug/L	0.1140	46.93%
Al 308.215†	722.1	333	ug/L	5.2	333	ug/L	5.2	1.55%
As 188.979†	-8.4	-3.81	ug/L	1.379	-3.81	ug/L	1.379	36.17%
Ba 233.527†	8162.3	48.3	ug/L	0.32	48.3	ug/L	0.32	0.66%
Be 234.861†	120.7	0.337	ug/L	0.0284	0.337	ug/L	0.0284	8.41%
Ca 315.887†	24663.7	4020	ug/L	36.9	4020	ug/L	36.9	0.92%
Cd 226.502†	8.2	-0.166	ug/L	0.2037	-0.166	ug/L	0.2037	122.61%
Co 228.616†	29.8	0.859	ug/L	0.0726	0.859	ug/L	0.0726	8.45%
Cr 267.716†	49.4	0.758	ug/L	0.1293	0.758	ug/L	0.1293	17.05%
Cu 324.752†	-135.7	-0.741	ug/L	0.1676	-0.741	ug/L	0.1676	22.63%
Fe 259.939†	16051.2	2060	ug/L	17.5	2060	ug/L	17.5	0.85%
K 766.490†	7312.6	1990	ug/L	2.4	1990	ug/L	2.4	0.12%
Mg 279.077†	48185.2	4020	ug/L	20.6	4020	ug/L	20.6	0.51%
Mn 257.610†	8617.6	16.7	ug/L	0.13	16.7	ug/L	0.13	0.77%
Mo 202.031†	1.8	0.506	ug/L	0.3398	0.506	ug/L	0.3398	67.14%
Na 589.592†	68658.3	8180	ug/L	0.9	8180	ug/L	0.9	0.01%
Ni 231.604†	17.4	0.420	ug/L	0.3583	0.420	ug/L	0.3583	85.29%
Pb 220.353†	-2.6	-0.572	ug/L	1.2570	-0.572	ug/L	1.2570	219.74%
Sb 206.836†	4.3	0.478	ug/L	0.7612	0.478	ug/L	0.7612	159.34%
Se 196.026†	-2.3	0.797	ug/L	4.1448	0.797	ug/L	4.1448	520.28%
Sn 189.927†	2.6	0.403	ug/L	2.9924	0.403	ug/L	2.9924	742.69%
Sr 421.552†	26919.0	43.9	ug/L	0.01	43.9	ug/L	0.01	0.03%
Ti 334.940†	1059.9	2.15	ug/L	0.086	2.15	ug/L	0.086	4.01%
Tl 190.801†	-4.7	-1.71	ug/L	1.852	-1.71	ug/L	1.852	108.05%
V 292.402†	52.1	1.34	ug/L	0.089	1.34	ug/L	0.089	6.65%
Zn 206.200†	196.3	5.93	ug/L	0.178	5.93	ug/L	0.178	3.00%

Sequence No.: 111 **Autosampler Location: 115**
Sample ID: 250894810 **Date Collected: 4/10/2008 7:15:45 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894810

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1931831.5	104	%	0.4				0.35%
Sc Radial	193377.8	108	%	0.4				0.38%
Ag 328.068†	-32.4	-0.294	ug/L	0.1270	-0.294	ug/L	0.1270	43.16%
Al 308.215†	1106.6	509	ug/L	7.1	509	ug/L	7.1	1.39%
As 188.979†	4.8	3.30	ug/L	1.836	3.30	ug/L	1.836	55.61%
Ba 233.527†	4777.2	28.2	ug/L	0.07	28.2	ug/L	0.07	0.24%
Be 234.861†	29.3	0.072	ug/L	0.0035	0.072	ug/L	0.0035	4.81%
Ca 315.887†	219699.8	35900	ug/L	178.0	35900	ug/L	178.0	0.50%
Cd 226.502†	0.4	-0.579	ug/L	0.2827	-0.579	ug/L	0.2827	48.83%
Co 228.616†	-4.0	0.004	ug/L	0.1392	0.004	ug/L	0.1392	>999.9%
Cr 267.716†	135.3	3.07	ug/L	0.223	3.07	ug/L	0.223	7.27%
Cu 324.752†	232.2	0.411	ug/L	0.1352	0.411	ug/L	0.1352	32.87%
Fe 259.939†	1668.6	208	ug/L	1.0	208	ug/L	1.0	0.48%
K 766.490†	4154.8	1130	ug/L	7.4	1130	ug/L	7.4	0.65%
Mg 279.077†	17987.7	1500	ug/L	12.1	1500	ug/L	12.1	0.81%
Mn 257.610†	506.2	0.660	ug/L	0.0097	0.660	ug/L	0.0097	1.46%
Mo 202.031†	12.8	2.10	ug/L	0.880	2.10	ug/L	0.880	41.97%
Na 589.592†	37578.3	4480	ug/L	7.9	4480	ug/L	7.9	0.18%
Ni 231.604†	17.7	0.455	ug/L	0.4407	0.455	ug/L	0.4407	96.94%
Pb 220.353†	9.7	3.30	ug/L	0.962	3.30	ug/L	0.962	29.12%
Sb 206.836†	5.7	0.995	ug/L	1.8541	0.995	ug/L	1.8541	186.36%
Se 196.026†	-5.5	-1.84	ug/L	3.292	-1.84	ug/L	3.292	178.54%
Sn 189.927†	-8.7	-3.60	ug/L	1.391	-3.60	ug/L	1.391	38.63%
Sr 421.552†	25439.1	41.2	ug/L	0.11	41.2	ug/L	0.11	0.26%
Ti 334.940†	1514.5	3.07	ug/L	0.128	3.07	ug/L	0.128	4.17%
Tl 190.801†	-2.3	-0.480	ug/L	0.4241	-0.480	ug/L	0.4241	88.28%
V 292.402†	99.1	2.02	ug/L	0.102	2.02	ug/L	0.102	5.05%
Zn 206.200†	159.6	4.51	ug/L	0.149	4.51	ug/L	0.149	3.30%

Sequence No.: 112 **Autosampler Location: 116**
Sample ID: 250894606 **Date Collected: 4/10/2008 7:20:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894606

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1891802.0	102	%	0.1				0.08%
Sc Radial	193690.1	108	%	1.2				1.14%
Ag 328.068†	-539.8	1.82	ug/L	0.163	1.82	ug/L	0.163	8.94%
Al 308.215†	278783.4	128000	ug/L	344.5	128000	ug/L	344.5	0.27%
As 188.979†	115.8	69.0	ug/L	2.55	69.0	ug/L	2.55	3.70%
Ba 233.527†	218815.9	1300	ug/L	5.8	1300	ug/L	5.8	0.45%
Be 234.861†	2003.3	5.52	ug/L	0.519	5.52	ug/L	0.519	9.40%
Ca 315.887†	352837.8	57700	ug/L	220.5	57700	ug/L	220.5	0.38%
Cd 226.502†	547.7	3.05	ug/L	0.288	3.05	ug/L	0.288	9.44%
Co 228.616†	1626.5	37.6	ug/L	0.26	37.6	ug/L	0.26	0.70%
Cr 267.716†	9046.7	247	ug/L	1.0	247	ug/L	1.0	0.42%
Cu 324.752†	57221.9	209	ug/L	0.3	209	ug/L	0.3	0.15%
Fe 259.939†	1182438.2	153000	ug/L	363.5	153000	ug/L	363.5	0.24%
K 766.490†	52332.4	14200	ug/L	40.1	14200	ug/L	40.1	0.28%
Mg 279.077†	453171.6	37800	ug/L	444.9	37800	ug/L	444.9	1.18%
Mn 257.610†	1523854.7	3030	ug/L	7.5	3030	ug/L	7.5	0.25%
Mo 202.031†	361.2	59.2	ug/L	1.22	59.2	ug/L	1.22	2.06%
Na 589.592†	2926717.4	349000	ug/L	1709.7	349000	ug/L	1709.7	0.49%
Ni 231.604†	2522.9	134	ug/L	0.9	134	ug/L	0.9	0.66%
Pb 220.353†	1218.5	368	ug/L	2.0	368	ug/L	2.0	0.54%
Sb 206.836†	22.8	3.45	ug/L	2.014	3.45	ug/L	2.014	58.40%
Se 196.026†	-36.2	8.51	ug/L	8.889	8.51	ug/L	8.889	104.40%
Sn 189.927†	39.9	8.13	ug/L	1.385	8.13	ug/L	1.385	17.05%
Sr 421.552†	263501.8	430	ug/L	0.5	430	ug/L	0.5	0.12%
Ti 334.940†	564995.4	1150	ug/L	5.3	1150	ug/L	5.3	0.46%
Tl 190.801†	0.4	0.781	ug/L	0.7372	0.781	ug/L	0.7372	94.39%
V 292.402†	11656.0	259	ug/L	1.1	259	ug/L	1.1	0.43%
Zn 206.200†	24356.2	932	ug/L	3.5	932	ug/L	3.5	0.37%

Sequence No.: 113 **Autosampler Location: 117**
Sample ID: 250894901 **Date Collected: 4/10/2008 7:24:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 250894901

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1920537.0	104	%	0.2				0.18%
Sc Radial	193709.3	108	%	0.2				0.15%
Ag 328.068†	-25.9	-0.178	ug/L	0.1110	-0.178	ug/L	0.1110	62.35%
Al 308.215†	1292.4	594	ug/L	7.6	594	ug/L	7.6	1.28%
As 188.979†	37.7	20.2	ug/L	2.52	20.2	ug/L	2.52	12.43%
Ba 233.527†	583.5	3.32	ug/L	0.055	3.32	ug/L	0.055	1.65%
Be 234.861†	10.4	0.013	ug/L	0.0183	0.013	ug/L	0.0183	135.61%
Ca 315.887†	297314.4	48600	ug/L	87.1	48600	ug/L	87.1	0.18%
Cd 226.502†	-0.6	-0.964	ug/L	0.2541	-0.964	ug/L	0.2541	26.38%
Co 228.616†	23.6	0.647	ug/L	0.1026	0.647	ug/L	0.1026	15.86%
Cr 267.716†	120.4	2.68	ug/L	0.400	2.68	ug/L	0.400	14.94%
Cu 324.752†	-82.9	-0.713	ug/L	0.1583	-0.713	ug/L	0.1583	22.21%
Fe 259.939†	11442.1	1470	ug/L	12.8	1470	ug/L	12.8	0.87%
K 766.490†	6260.6	1700	ug/L	12.8	1700	ug/L	12.8	0.76%
Mg 279.077†	43457.3	3620	ug/L	14.5	3620	ug/L	14.5	0.40%
Mn 257.610†	134081.7	267	ug/L	0.4	267	ug/L	0.4	0.13%
Mo 202.031†	46.7	7.26	ug/L	1.127	7.26	ug/L	1.127	15.53%
Na 589.592†	238884.8	28500	ug/L	40.9	28500	ug/L	40.9	0.14%
Ni 231.604†	6.0	-0.185	ug/L	0.2937	-0.185	ug/L	0.2937	158.67%
Pb 220.353†	11.8	3.89	ug/L	3.840	3.89	ug/L	3.840	98.81%
Sb 206.836†	1.7	-0.438	ug/L	0.8991	-0.438	ug/L	0.8991	205.09%
Se 196.026†	-11.9	-6.67	ug/L	3.034	-6.67	ug/L	3.034	45.48%
Sn 189.927†	-11.5	-4.64	ug/L	2.961	-4.64	ug/L	2.961	63.89%
Sr 421.552†	137070.7	223	ug/L	0.6	223	ug/L	0.6	0.25%
Ti 334.940†	4469.1	9.09	ug/L	0.835	9.09	ug/L	0.835	9.19%
Tl 190.801†	-6.7	-3.12	ug/L	1.354	-3.12	ug/L	1.354	43.45%
V 292.402†	48.8	1.23	ug/L	0.159	1.23	ug/L	0.159	12.96%
Zn 206.200†	289.2	9.44	ug/L	0.184	9.44	ug/L	0.184	1.95%

Sequence No.: 114 **Autosampler Location: 118**
Sample ID: 250894901L **Date Collected: 4/10/2008 7:29:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 250894901L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1892439.3	102	%	2.5				2.40%
Sc Radial	186762.4	104	%	2.8				2.72%
Ag 328.068†	-16.9	-0.281	ug/L	0.1083	-1.41	ug/L	0.541	38.50%
Al 308.215†	259.1	120	ug/L	5.8	601	ug/L	29.1	4.84%
As 188.979†	7.6	4.34	ug/L	2.454	21.7	ug/L	12.27	56.58%
Ba 233.527†	123.8	0.599	ug/L	0.0323	3.00	ug/L	0.161	5.39%
Be 234.861†	-4.3	-0.027	ug/L	0.0165	-0.135	ug/L	0.0824	61.23%
Ca 315.887†	64049.2	10500	ug/L	370.1	52300	ug/L	1850.4	3.54%
Cd 226.502†	-3.2	-0.543	ug/L	0.4014	-2.72	ug/L	2.007	73.89%
Co 228.616†	-1.8	0.029	ug/L	0.1102	0.145	ug/L	0.5512	379.51%
Cr 267.716†	32.2	0.269	ug/L	0.2021	1.34	ug/L	1.011	75.23%
Cu 324.752†	-10.9	-0.369	ug/L	0.4966	-1.84	ug/L	2.483	134.72%
Fe 259.939†	2492.7	315	ug/L	8.4	1570	ug/L	42.1	2.67%
K 766.490†	1340.5	369	ug/L	7.1	1850	ug/L	35.3	1.91%
Mg 279.077†	9166.9	763	ug/L	7.1	3810	ug/L	35.6	0.93%
Mn 257.610†	28027.4	55.5	ug/L	1.22	278	ug/L	6.1	2.19%
Mo 202.031†	6.2	1.11	ug/L	0.367	5.56	ug/L	1.835	33.03%
Na 589.592†	51192.6	6100	ug/L	198.8	30500	ug/L	994.2	3.26%
Ni 231.604†	4.3	-0.266	ug/L	0.1956	-1.33	ug/L	0.978	73.54%
Pb 220.353†	9.3	2.97	ug/L	1.696	14.9	ug/L	8.48	57.03%
Sb 206.836†	3.3	0.166	ug/L	0.2335	0.828	ug/L	1.1673	140.95%
Se 196.026†	-2.4	0.382	ug/L	2.6743	1.91	ug/L	13.371	700.56%
Sn 189.927†	-1.5	-1.04	ug/L	0.825	-5.19	ug/L	4.123	79.45%
Sr 421.552†	29390.6	47.8	ug/L	1.60	239	ug/L	8.0	3.35%
Ti 334.940†	892.6	1.81	ug/L	0.077	9.05	ug/L	0.383	4.24%
Tl 190.801†	-1.2	0.024	ug/L	1.4309	0.119	ug/L	7.1543	>999.9%
V 292.402†	-1.8	-0.007	ug/L	0.2197	-0.034	ug/L	1.0986	>999.9%
Zn 206.200†	95.3	2.09	ug/L	0.236	10.5	ug/L	1.18	11.28%

Sequence No.: 115 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/10/2008 7:33:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	1892504.5	102	%	0.1				0.10%
Sc Radial	189561.9	105	%	0.3				0.26%
Ag 328.068†	83300.6	490	ug/L	1.7	490	ug/L	1.7	0.34%
QC value within limits for Ag 328.068 Recovery = 98.08%								
Al 308.215†	52961.8	24300	ug/L	43.7	24300	ug/L	43.7	0.18%
QC value within limits for Al 308.215 Recovery = 97.11%								
As 188.979†	987.5	508	ug/L	2.8	508	ug/L	2.8	0.55%
QC value within limits for As 188.979 Recovery = 101.53%								
Ba 233.527†	83432.7	494	ug/L	2.3	494	ug/L	2.3	0.47%
QC value within limits for Ba 233.527 Recovery = 98.89%								
Be 234.861†	168892.4	497	ug/L	2.3	497	ug/L	2.3	0.46%
QC value within limits for Be 234.861 Recovery = 99.48%								
Ca 315.887†	150517.1	24600	ug/L	56.4	24600	ug/L	56.4	0.23%
QC value within limits for Ca 315.887 Recovery = 98.37%								
Cd 226.502†	9568.7	500	ug/L	2.2	500	ug/L	2.2	0.43%
QC value within limits for Cd 226.502 Recovery = 100.06%								
Co 228.616†	19060.7	492	ug/L	2.9	492	ug/L	2.9	0.59%
QC value within limits for Co 228.616 Recovery = 98.35%								
Cr 267.716†	18579.1	505	ug/L	1.6	505	ug/L	1.6	0.31%
QC value within limits for Cr 267.716 Recovery = 100.94%								
Cu 324.752†	134102.2	479	ug/L	4.1	479	ug/L	4.1	0.86%
QC value within limits for Cu 324.752 Recovery = 95.76%								
Fe 259.939†	307131.3	39600	ug/L	129.0	39600	ug/L	129.0	0.33%
QC value within limits for Fe 259.939 Recovery = 99.05%								
K 766.490†	86458.0	23400	ug/L	52.4	23400	ug/L	52.4	0.22%
QC value within limits for K 766.490 Recovery = 93.62%								
Mg 279.077†	295341.6	24600	ug/L	64.1	24600	ug/L	64.1	0.26%
QC value within limits for Mg 279.077 Recovery = 98.55%								
Mn 257.610†	251860.6	501	ug/L	0.5	501	ug/L	0.5	0.09%
QC value within limits for Mn 257.610 Recovery = 100.11%								
Mo 202.031†	3308.8	499	ug/L	2.7	499	ug/L	2.7	0.55%
QC value within limits for Mo 202.031 Recovery = 99.74%								
Na 589.592†	204157.2	24300	ug/L	27.0	24300	ug/L	27.0	0.11%
QC value within limits for Na 589.592 Recovery = 97.40%								
Ni 231.604†	9361.4	503	ug/L	2.5	503	ug/L	2.5	0.50%
QC value within limits for Ni 231.604 Recovery = 100.59%								
Pb 220.353†	1665.8	499	ug/L	2.1	499	ug/L	2.1	0.41%
QC value within limits for Pb 220.353 Recovery = 99.78%								
Sb 206.836†	1373.0	494	ug/L	2.0	494	ug/L	2.0	0.40%
QC value within limits for Sb 206.836 Recovery = 98.72%								
Se 196.026†	612.8	498	ug/L	3.5	498	ug/L	3.5	0.69%
QC value within limits for Se 196.026 Recovery = 99.65%								
Sn 189.927†	1131.9	399	ug/L	0.3	399	ug/L	0.3	0.06%
QC value within limits for Sn 189.927 Recovery = 99.73%								
Sr 421.552†	240067.0	392	ug/L	0.7	392	ug/L	0.7	0.19%
QC value within limits for Sr 421.552 Recovery = 97.98%								
Ti 334.940†	192517.0	391	ug/L	1.7	391	ug/L	1.7	0.45%
QC value within limits for Ti 334.940 Recovery = 97.81%								
Tl 190.801†	940.7	500	ug/L	1.7	500	ug/L	1.7	0.33%
QC value within limits for Tl 190.801 Recovery = 99.92%								
V 292.402†	24450.0	504	ug/L	2.0	504	ug/L	2.0	0.41%
QC value within limits for V 292.402 Recovery = 100.71%								
Zn 206.200†	13477.6	512	ug/L	2.9	512	ug/L	2.9	0.58%
QC value within limits for Zn 206.200 Recovery = 102.49%								

All analyte(s) passed QC.

Sequence No.: 116 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/10/2008 7:37:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 361.383	1914768.8	103	%	0.6				0.56%
Sc Radial	188967.7	105	%	0.6				0.58%
Ag 328.068†	8.5	-0.174	ug/L	0.0999	-0.174	ug/L	0.0999	57.39%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	-1.5	0.845	ug/L	8.9760	0.845	ug/L	8.9760	>999.9%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-3.5	-1.49	ug/L	2.249	-1.49	ug/L	2.249	150.99%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	14.6	-0.047	ug/L	0.0240	-0.047	ug/L	0.0240	51.06%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	11.7	0.021	ug/L	0.0101	0.021	ug/L	0.0101	48.27%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	86.4	5.33	ug/L	0.579	5.33	ug/L	0.579	10.87%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	-0.1	-0.230	ug/L	0.2684	-0.230	ug/L	0.2684	116.92%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-1.0	0.061	ug/L	0.0923	0.061	ug/L	0.0923	152.35%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	1.3	-0.575	ug/L	0.2095	-0.575	ug/L	0.2095	36.46%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-122.0	-0.740	ug/L	0.3046	-0.740	ug/L	0.3046	41.15%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	73.3	2.51	ug/L	1.624	2.51	ug/L	1.624	64.68%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	-20.1	0.852	ug/L	2.5174	0.852	ug/L	2.5174	295.30%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	11.2	-1.02	ug/L	0.598	-1.02	ug/L	0.598	58.88%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	2.7	-0.304	ug/L	0.0177	-0.304	ug/L	0.0177	5.82%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	3.5	0.683	ug/L	0.4215	0.683	ug/L	0.4215	61.69%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	27.1	-3.92	ug/L	4.123	-3.92	ug/L	4.123	105.16%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	6.1	-0.166	ug/L	0.1145	-0.166	ug/L	0.1145	69.09%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.5	0.030	ug/L	0.7274	0.030	ug/L	0.7274	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.3	0.162	ug/L	0.9327	0.162	ug/L	0.9327	576.81%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.0	1.27	ug/L	0.690	1.27	ug/L	0.690	54.18%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.5	-1.03	ug/L	0.774	-1.03	ug/L	0.774	75.29%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	70.2	0.024	ug/L	0.0370	0.024	ug/L	0.0370	153.34%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	12.5	0.018	ug/L	0.0235	0.018	ug/L	0.0235	129.02%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-4.5	-1.68	ug/L	1.436	-1.68	ug/L	1.436	85.51%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	6.3	0.107	ug/L	0.2506	0.107	ug/L	0.2506	234.39%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	38.0	-0.080	ug/L	0.2042	-0.080	ug/L	0.2042	255.70%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
22381	ICP_MIN_SPK	CPI	07G189	1/11/2009	1000 ML	10/25/2007	llgates

10000 UG/L: Silver
25000 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
250000 UG/L: Lithium
75000 UG/L: Barium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23085	ICP_ICV			11/22/2008	500 ML	2/28/2008	llgates

1200 UG/L: Barium
160 UG/L: Silver
400 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc
4000 UG/L: Lithium
40000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

COMPOSED OF:

22380: 8 ML 22381: 8 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23554	ICP_MAJ_SPK	CPI	08A122	4/3/2009	1000 ML	2/1/2008	llgates

2500000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23556	ICP_ICSA			11/1/2008	1000 ML	4/3/2008	llgates

225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium

COMPOSED OF:

21648: 50 ML 22700: 12.5 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23557	ICP_ICSAB			8/30/2008	1000 ML	4/3/2008	llgates

100 UG/L: Arsenic, Thallium
1000 UG/L: Cadmium, Nickel, Zinc
200 UG/L: Silver
225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium
50 UG/L: Lead, Selenium
500 UG/L: Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Strontium, Tin, Titanium, Vanadium
600 UG/L: Antimony

COMPOSED OF:

21326: 10 ML 21648: 50 ML 21651: 0.5 ML 21654: 0.5 ML 22700: 12.5 ML 23137: 0.5 ML 23138: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23580	ICP_CAL5			9/30/2008	250 ML	4/8/2008	llgates

250000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4000 UG/L: Strontium, Tin, Titanium
400000 UG/L: Iron
5000 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50000 UG/L: Lithium

COMPOSED OF:

21522: 12.5 ML 21648: 12.5 ML 21719: 50 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23581	ICP_CAL4/CCV			9/30/2008	500 ML	4/8/2008	llgates

25000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
400 UG/L: Strontium, Tin, Titanium
40000 UG/L: Iron
500 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
5000 UG/L: Lithium

COMPOSED OF:

23580: 50 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23582	ICP_CAL3			9/30/2008	250 ML	4/8/2008	llgates

2500 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Strontium, Tin, Titanium
4000 UG/L: Iron
50 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
500 UG/L: Lithium

COMPOSED OF:

23580: 2.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23583	ICP_CAL2			9/30/2008	250 ML	4/8/2008	llgates

250 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4 UG/L: Strontium, Tin, Titanium
400 UG/L: Iron
5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50 UG/L: Lithium

COMPOSED OF:

23580: 0.25 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
23584	ICP_CAL1			9/30/2008	250 ML	4/8/2008	llgates

0.4 UG/L: Strontium, Tin, Titanium
0.5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
25 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Iron
5 UG/L: Lithium

COMPOSED OF:

23580: 0.025 ML

Attachment 2
Indoor Air Results

CH2M HILL
Applied Sciences Laboratory
2300 NW Walnut Blvd
Corvallis, OR
97330-3538
P.O. Box 428
Corvallis, OR
97339-0428
Tel 541.752.4271
Fax 541.752.0276

CH2MHILL
Applied Sciences Laboratory

April 4, 2008

SLOP

364298.01.SL.VI.FW

RE: Laboratory Report for SLOP
Applied Sciences Laboratory Reference No. H1543

Dan Price/STL:

On March 20, 2008, CH2M HILL Applied Sciences Laboratory received five samples with a request for analysis of selected parameters. All analyses were performed by CH2M HILL unless otherwise indicated below.

The analytical results and associated quality control data are enclosed. Any unusual difficulties encountered during the analysis of your samples are discussed in the case narrative. Results that are presented in ug/m3 or ug/L are converted from ppbv assuming a temerature of 20C and sea level pressure of 760 torr. This data package meets standards requested by client and is not intended or implied to meet any other standard. The results included in this report only relate to the samples listed on the following Sample Cross-Reference page. This report shall not be reproduced except in full, without the written approval of the laboratory.

CH2M HILL Applied Sciences Laboratory appreciates your business and looks forward to serving your analytical needs again. If you should have any questions concerning the data, or if you need additional information, please call Ben Thompson at (541) 758-0235, extension 3132.

Sincerely,

Ben Thompson
Analytical Manager

Enclosures

cc:
Dave Lee/STL

CLIENT SAMPLE CROSS-REFERENCE

CH2M HILL Applied Sciences Laboratory Reference No. H1543

Sample ID	Client Sample ID	Date Collected	Time Collected	Equip. ID	Receipt Vac./Pres.
H154301	SLOP-[redacted]-AA-N	03/18/2008	09:50	6L2544A	
H154302	SLOP-[redacted]-IA-SW-FD	03/18/2008	09:35	6L2470A	
H154303	SLOP[redacted]-IA-SW	03/18/2008	09:35	6L2536A	
H154304	SLOP[redacted]-IA-NE	03/18/2008	09:43	6L2590A	
H154305	SLOP-TB-03192008	03/18/2008	09:00	6L2635S	

Applied Sciences Laboratory

Organic CLP and CLP Like Data Qualifiers

U	The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
P	The primary and confirmation analyte result recoveries do not match.
E	The analyte was positively identified; the associated numerical value exceeded the instrument calibration range.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Inorganic CLP and CLP Like Data Qualifiers

U	The analyte was analyzed for, but not detected above the reported sample quantitation limit.
B	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
E	The analyte was positively identified; the associated numerical value exceeded the instrument calibration range.
N	The matrix spike/matrix spike duplicate recovery for the analyte is outside of acceptance criteria—qualifier is applied to the native sample only.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

TO-15 SIM

CASE NARRATIVE
VOLATILE ORGANIC ANALYSIS

Analytical Method: TO-15 SIM AAB#: H1543

Lab Name: CH2M HILL Applied Science Laboratories Project #.: 364298.01.SL.VI.FW

Base/Command: SLOP Prime Contractor.:

I. RECEIPT

A. Date: March 20, 2008

B. Sample Information

LAB SAMPLE ID	CLIENT SAMPLE ID	CANISTER ID	SAMPLE MATRIX	DATE SAMPLED	TIME SAMPLED	RECEIVED PRESS. (torr)
H154301	SLOP-[redacted]-AA-N	6L2544A	Air	03/18/2008	09:50	572
H154302	SLOP-[redacted]-IA-SW-FD	6L2470A	Air	03/18/2008	09:35	659
H154303	SLOP[redacted]-IA-SW	6L2536A	Air	03/18/2008	09:35	764
H154304	SLOP[redacted]-IA-NE	6L2590A	Air	03/18/2008	09:43	640
H154305	SLOP-TB-03192008	6L2635S	Air	03/18/2008	09:00	3

II. Holding Times:
All acceptance criteria were met.

III. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Blanks:
All acceptance criteria were met.

C. Duplicate Sample(s):
Analyzed in accordance with standard operating procedures.

D. Instrument Performance Check:
Not Applicable.

E. Surrogate Recoveries:
All acceptance criteria were met.

F. Internal Standards:
All acceptance criteria were met.

G. Laboratory Control Sample (LCS):
All acceptance criteria were met.

H. Matrix Spike(MS)/Matrix Spike Duplicate(MSD):
Not applicable.

I. Analytical Exception:
None.

J. Other:
None.

V. Sampling Equipment Exceptions:
None.

VI. Documentation Exceptions:
None.

VII. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared By: _____ Date: 4-2-08

Reviewed By: _____ Date: 4/4/08

SAMPLE DATA SUMMARY

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: **SLOP-[redacted]-AA-N**

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154301

Lab File ID: 154301.D

Date Received: 03/20/08

Date Analyzed: 04/01/08

Dilution Factor: 1.81

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.39	9.1	9.1	U
156-60-5	trans-1,2-DCE	0.70	9.1	1.3	J
156-59-2	cis-1,2-DCE	0.99	9.1	9.1	U
107-06-2	1,2-DCA	0.67	9.1	18.2	
79-01-6	TCE	1.0	9.1	34.3	
127-18-4	Tetrachloroethylene	0.76	9.1	43.5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: **SLOP-[redacted]-AA-N**

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154301

Lab File ID: 154301.D

Date Received: 03/20/08

Date Analyzed: 04/01/08

Dilution Factor: 1.81

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.0010	0.024	0.024	U
156-60-5	trans-1,2-DCE	0.0028	0.036	0.0052	J
156-59-2	cis-1,2-DCE	0.0040	0.036	0.036	U
107-06-2	1,2-DCA	0.0027	0.037	0.075	
79-01-6	TCE	0.0055	0.049	0.19	
127-18-4	Tetrachloroethylene	0.0052	0.062	0.30	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: SLOP-[redacted]-AA-NDUP

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154301Dup

Lab File ID: 154301D.D

Date Received: 03/20/08

Date Analyzed: 04/01/08

Dilution Factor: 1.81

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.39	9.1	9.1	U
156-60-5	trans-1,2-DCE	0.70	9.1	1.4	J
156-59-2	cis-1,2-DCE	0.99	9.1	9.1	U
107-06-2	1,2-DCA	0.67	9.1	18.5	
79-01-6	TCE	1.0	9.1	31.4	
127-18-4	Tetrachloroethylene	0.76	9.1	39.6	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID:

SLOP-[redacted]-AA-NDUP

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154301Dup

Lab File ID: 154301D.D

Date Received: 03/20/08

Date Analyzed: 04/01/08

Dilution Factor: 1.81

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.0010	0.024	0.024	U
156-60-5	trans-1,2-DCE	0.0028	0.036	0.0056	J
156-59-2	cis-1,2-DCE	0.0040	0.036	0.036	U
107-06-2	1,2-DCA	0.0027	0.037	0.076	
79-01-6	TCE	0.0055	0.049	0.17	
127-18-4	Tetrachloroethylene	0.0052	0.062	0.27	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID:

SLOP-[redacted]-IA-SW-FD

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154302

Lab File ID: 154302.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1.85

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.40	9.3	9.3	U
156-60-5	trans-1,2-DCE	0.72	9.3	5.8	J
156-59-2	cis-1,2-DCE	1.0	9.3	42.8	
107-06-2	1,2-DCA	0.68	9.3	23.9	
79-01-6	TCE	1.0	9.3	96.0	
127-18-4	Tetrachloroethylene	0.77	9.3	64.2	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID:

SLOP-[redacted]-IA-SW-FD

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154302

Lab File ID: 154302.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1.85

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.0010	0.024	0.024	U
156-60-5	trans-1,2-DCE	0.0029	0.037	0.023	J
156-59-2	cis-1,2-DCE	0.0041	0.037	0.17	
107-06-2	1,2-DCA	0.0028	0.038	0.098	
79-01-6	TCE	0.0056	0.051	0.52	
127-18-4	Tetrachloroethylene	0.0053	0.064	0.44	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID:

SLOP-[redacted]IA-SW

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154303

Lab File ID: 154303.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1.65

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.35	8.3	1.8	J
156-60-5	trans-1,2-DCE	0.64	8.3	3.3	J
156-59-2	cis-1,2-DCE	0.91	8.3	45.8	
107-06-2	1,2-DCA	0.61	8.3	21.3	
79-01-6	TCE	0.92	8.3	196	
127-18-4	Tetrachloroethylene	0.69	8.3	132	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: SLOP[redacted]-IA-SW

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154303

Lab File ID: 154303.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1.65

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.00092	0.021	0.0047	J
156-60-5	trans-1,2-DCE	0.0026	0.033	0.013	J
156-59-2	cis-1,2-DCE	0.0036	0.033	0.18	
107-06-2	1,2-DCA	0.0025	0.034	0.088	
79-01-6	TCE	0.0050	0.045	1.1	
127-18-4	Tetrachloroethylene	0.0047	0.057	0.91	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: SLOP-[redacted]IA-NE

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154304

Lab File ID: 154304.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1.76

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.38	8.8	8.8	U
156-60-5	trans-1,2-DCE	0.68	8.8	3.0	J
156-59-2	cis-1,2-DCE	0.97	8.8	36.6	
107-06-2	1,2-DCA	0.65	8.8	17.6	
79-01-6	TCE	0.98	8.8	75.6	
127-18-4	Tetrachloroethylene	0.73	8.8	36.2	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID:

SLOP-[redacted]-IA-NE

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154304

Lab File ID: 154304.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1.76

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.00098	0.023	0.023	U
156-60-5	trans-1,2-DCE	0.0028	0.035	0.012	J
156-59-2	cis-1,2-DCE	0.0039	0.035	0.15	
107-06-2	1,2-DCA	0.0027	0.036	0.072	
79-01-6	TCE	0.0054	0.048	0.41	
127-18-4	Tetrachloroethylene	0.0051	0.061	0.25	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: **SLOP-TB-03192008**

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154305

Lab File ID: 154305.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.21	5.0	5.0	U
156-60-5	trans-1,2-DCE	0.39	5.0	5.0	U
156-59-2	cis-1,2-DCE	0.55	5.0	5.0	U
107-06-2	1,2-DCA	0.37	5.0	5.0	U
79-01-6	TCE	0.56	5.0	2.6	J
127-18-4	Tetrachloroethylene	0.42	5.0	2.9	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: **SLOP-TB-03192008**

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: H154305

Lab File ID: 154305.D

Date Received: 03/20/08

Date Analyzed: 03/29/08

Dilution Factor: 1

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.00056	0.013	0.013	U
156-60-5	trans-1,2-DCE	0.0016	0.020	0.020	U
156-59-2	cis-1,2-DCE	0.0022	0.020	0.020	U
107-06-2	1,2-DCA	0.0015	0.021	0.021	U
79-01-6	TCE	0.0030	0.027	0.014	J
127-18-4	Tetrachloroethylene	0.0029	0.035	0.020	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: **XB2-0329**

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: XB2-0329

Lab File ID: XB2-0329.D

Date Received: / /

Date Analyzed: 03/29/08

Dilution Factor: 1

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.21	5.0	5.0	U
156-60-5	trans-1,2-DCE	0.39	5.0	5.0	U
156-59-2	cis-1,2-DCE	0.55	5.0	5.0	U
107-06-2	1,2-DCA	0.37	5.0	5.0	U
79-01-6	TCE	0.56	5.0	0.60	J
127-18-4	Tetrachloroethylene	0.42	5.0	4.3	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID:

XB2-0329

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: XB2-0329

Lab File ID: XB2-0329.D

Date Received: / /

Date Analyzed: 03/29/08

Dilution Factor: 1

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.00056	0.013	0.013	U
156-60-5	trans-1,2-DCE	0.0016	0.020	0.020	U
156-59-2	cis-1,2-DCE	0.0022	0.020	0.020	U
107-06-2	1,2-DCA	0.0015	0.021	0.021	U
79-01-6	TCE	0.0030	0.027	0.0033	J
127-18-4	Tetrachloroethylene	0.0029	0.035	0.030	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID: **XB2-0401**

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: AIR

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: XB2-0401

Lab File ID: XB2-0401.D

Date Received: / /

Date Analyzed: 04/01/08

Dilution Factor: 1

Concentration Units: PPTV

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.21	5.0	5.0	U
156-60-5	trans-1,2-DCE	0.39	5.0	5.0	U
156-59-2	cis-1,2-DCE	0.55	5.0	5.0	U
107-06-2	1,2-DCA	0.37	5.0	5.0	U
79-01-6	TCE	0.56	5.0	5.0	U
127-18-4	Tetrachloroethylene	0.42	5.0	1.8	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Sample ID:

XB2-0401

SDG No.: H1543

Analysis Method: TO15 SIM

Matrix: Air

Level: (low/med) LOW

GC Column: ZB-624 ID: 0.25 (mm)

Instrument Name: MSG

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: XB2-0401

Lab File ID: XB2-0401.D

Date Received: / /

Date Analyzed: 04/01/08

Dilution Factor: 1

Concentration Units: ug/m3

CAS No.	Analyte	MDL	PQL	Result	Q
75-01-4	Vinyl Chloride	0.00056	0.013	0.013	U
156-60-5	trans-1,2-DCE	0.0016	0.020	0.020	U
156-59-2	cis-1,2-DCE	0.0022	0.020	0.020	U
107-06-2	1,2-DCA	0.0015	0.021	0.021	U
79-01-6	TCE	0.0030	0.027	0.027	U
127-18-4	Tetrachloroethylene	0.0029	0.035	0.012	J

QC DATA SUMMARY

AIR VOLATILE SURROGATE RECOVERY

SDG No.: H1543 Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM

GC Column: ZB-624 ID: 0.25 (mm) Instrument Name: MSG

	Field/QC Sample ID	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	# Out
1	XB2-0329	96	79											
2	SLOP-[redacted]-IA-SW-FD	99	120											
3	SLOP-[redacted]-IA-SW	107	106											
4	SLOP-[redacted]-IA-NE	100	111											
5	SLOP-TB-03192008	100	79											
6	XB2-0401	90	102											
7	SLOP-[redacted]-AA-N	102	126											
8	SLOP-[redacted]-AA-NDUP	91	128											

* Values outside of QC limits

D Surrogate diluted out

		QC Limits
S1:	Toluene-d8	(70-130)
S2:	4-Bromofluorobenzene	(70-130)

AIR VOLATILE DUPLICATE SAMPLE SUMMARY

SDG No.: H1543 Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM Concentration Units: PPTV

Native Sample ID: SLOP-[redacted]-AA-N

Duplicate Sample ID: SLOP-[redacted]-AA-NDUP

Analyte	Sample Result	Duplicate Result	%RPD	QC Limits %RPD	Q
Vinyl Chloride	9.1U	9.1U		30	NC
trans-1,2-DCE	1.3J	1.4J	7.41	30	
cis-1,2-DCE	9.1U	9.1U		30	NC
1,2-DCA	18.2	18.5	1.63	30	
TCE	34.3	31.4	8.83	30	
Tetrachloroethylene	43.5	39.6	9.39	30	

* Values outside of QC limits
NC RPD Value Not Calculated

Comments:

AIR VOLATILE METHOD BLANK SUMMARY

Field Sample ID: XB2-0329

SDG No.: H1543 Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM Lab Sample ID: XB2-0329

Lab File ID: XB2-0329.D Date Analyzed: 03/29/08

GC Column: ZB-624 ID: 0.25 (mm) Time Analyzed: 1820

Instrument Name: MSG

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	Field Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
02	SLOP-[redacted]-IA-SW-FD	H154302	154302.D	03/29/08	2035
03	SLOP-[redacted]-IA-SW	H154303	154303.D	03/29/08	2120
04	SLOP-[redacted]-IA-NE	H154304	154304.D	03/29/08	2205
05	SLOP-TB-03192008	H154305	154305.D	03/29/08	2250

Comments:

4A

AIR VOLATILE METHOD BLANK SUMMARY

Field Sample ID: XB2-0401

SDG No.: H1543

Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM

Lab Sample ID: XB2-0401

Lab File ID: XB2-0401.D

Date Analyzed: 04/01/08

GC Column: ZB-624 ID: 0.25 (mm)

Time Analyzed: 1716

Instrument Name: MSG

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	Field Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
02	SLOP[redacted]-AA-N	H154301	154301.D	04/01/08	1802
03	SLOP[redacted]7-AA-NDUP	H154301Dup	154301D.D	04/01/08	1848

Comments:

5B

VOLATILE ORGANIC RUN LOG

SDG No.: H1543

Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM

Lab File ID: T1-0326.D

Instrument ID: MSG

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	Field Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	Level6	Level6	Level6a.D	03/26/08	1237
02	Level5	Level5	Level5.D	03/26/08	1321
03	Level4	Level4	Level4.D	03/26/08	1405
04	Level3	Level3	Level3.D	03/26/08	1450
05	Level2	Level2	Level2.D	03/26/08	1534

5B

VOLATILE ORGANIC RUN LOG

SDG No.: H1543

Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM

Lab File ID: T2-0329.D

Instrument ID: MSG

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	Field Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	CV2-0329	CV2-0329	CV2-0329.D	03/29/08	1604
02	XB2-0329	XB2-0329	XB2-0329.D	03/29/08	1820
03	SLOP-[redacted]-IA-SW-FD	H154302	154302.D	03/29/08	2035
04	SLOP-[redacted]-IA-SW	H154303	154303.D	03/29/08	2120
05	SLOP-[redacted]-IA-NE	H154304	154304.D	03/29/08	2205
06	SLOP-TB-03192008	H154305	154305.D	03/29/08	2250

5B

VOLATILE ORGANIC RUN LOG

SDG No.: H1543

Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM

Lab File ID: T1-0401.D

Instrument ID: MSG

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	Field Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	CV1-0401	CV1-0401	CV1-0401.D	04/01/08	1414
02	XB2-0401	XB2-0401	XB2-0401.D	04/01/08	1716
03	SLOP-[redacted]-AA-N	H154301	154301.D	04/01/08	1802
04	SLOP-[redacted]-AA-NDUP	H154301Dup	154301D.D	04/01/08	1848

VOLATILE ORGANICS INITIAL CALIBRATION DATA

SDG No.: H1543 Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM Calibration Date(s): 03/26/08 03/26/08

Instrument Name: MSG Calibration Times: 1237 1534

Heat Purge: (Y/N) N Concentration Units: ppbv

ICAL Sample IDs: Level2 Level3 Level4 Level5 Level6

ICAL File IDs: Level2.D Level3.D Level4.D Level5.D Level6a.D

Analyte	Std 1	RF 1	Std 2	RF 2	Std 3	RF 3	Std 4	RF 4	Std 5	RF 5	Std 6	RF 6
Vinyl Chloride	.005	0.346	.025	0.685	.05	0.632	.125	0.681	.25	0.624		
trans-1,2-DCE	.005	0.464	.025	0.797	.05	0.783	.125	0.811	.25	0.780		
cis-1,2-DCE	.005	0.874	.025	0.822	.05	0.779	.125	0.830	.25	0.788		
1,2-DCA	.005	0.733	.025	0.801	.05	0.788	.125	0.850	.25	0.802		
TCE	.005	0.602	.025	0.696	.05	0.629	.125	0.603	.25	0.605		
Toluene-d8	.025	0.647	.025	0.737	.025	0.666	.025	0.544	.025	0.724		
Tetrachloroethylene	.005	0.732	.025	0.635	.05	0.515	.125	0.419	.25	0.418		
4-Bromofluorobenzene	.00625	0.901	.00625	0.762	.00625	0.894	.00625	1.388	.00625	0.853		

* SPCCs # CCCs

VOLATILE ORGANICS INITIAL CALIBRATION DATA

SDG No.: H1543 Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM Calibration Date(s): 03/26/08 03/26/08

Instrument Name: MSG Calibration Times: 1237 1534

Heat Purge: (Y/N) N Concentration Units: ppbv

Analyte	Curve Type	Avg. RF	%RSD	Mean %RSD	r	COD	Q
Vinyl Chloride	AVG	0.594	23.8	14.3			
trans-1,2-DCE	AVG	0.727	20.3	14.3			
cis-1,2-DCE	AVG	0.818	4.62	14.3			
1,2-DCA	AVG	0.795	5.26	14.3			
TCE	AVG	0.627	6.38	14.3			
Toluene-d8	AVG	0.664	11.6	14.3			
Tetrachloroethylene	AVG	0.544	25.3	14.3			
4-Bromofluorobenzene	AVG	0.959	25.6	14.3			

* SPCCs # CCCs

VOLATILE CONTINUING CALIBRATION CHECK

SDG No.: H1543

Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM

Calibration Date/Time: 03/29/08 1604

Instrument ID: MSG

Init. Calib. Date(s): 03/26/08 03/26/08

Cal Check ID: CV2-0329

Init. Calib. Time(s): 1237 1534

Lab File ID: CV2-0329.D

GC Column: ZB-624 ID: 0.25 (mm)

Heat Purge:(Y/N) N

Concentration Units: ppbv

Analyte	Expected	Found	RRF	Min. RRF	%D	Max. %D	Q
Vinyl Chloride	0.050	0.059	0.696	0.000	17.2	25	
trans-1,2-DCE	0.050	0.056	0.808	0.000	11.1	25	
cis-1,2-DCE	0.050	0.050	0.815	0.000	-0.43	25	
1,2-DCA	0.050	0.054	0.853	0.000	7.33	25	
TCE	0.050	0.053	0.660	0.000	5.24	25	
Toluene-d8	0.025	0.024	0.640	0.000	-3.57	25	
Tetrachloroethylene	0.050	0.046	0.499	0.000	-8.21	25	
4-Bromofluorobenzene	0.0063	0.0058	0.893	0.000	-6.88	25	

* SPCCs # CCCs

Mean Absolute %D: 6.7

VOLATILE CONTINUING CALIBRATION CHECK

SDG No.: H1543

Lab Name: CH2M HILL/LAB/CVO

Analysis Method: TO15 SIM

Calibration Date/Time: 04/01/08 1414

Instrument ID: MSG

Init. Calib. Date(s): 03/26/08 03/26/08

Cal Check ID: CV1-0401

Init. Calib. Time(s): 1237 1534

Lab File ID: CV1-0401.D

GC Column: ZB-624 ID: 0.25 (mm)

Heat Purge:(Y/N) N

Concentration Units: ppbv

Analyte	Expected	Found	RRF	Min. RRF	%D	Max. %D	Q
Vinyl Chloride	0.050	0.059	0.700	0.000	18.0	25	
trans-1,2-DCE	0.050	0.054	0.783	0.000	7.65	25	
cis-1,2-DCE	0.050	0.050	0.812	0.000	-0.83	25	
1,2-DCA	0.050	0.057	0.908	0.000	14.2	25	
TCE	0.050	0.060	0.757	0.000	20.7	25	
Toluene-d8	0.025	0.029	0.773	0.000	16.6	25	
Tetrachloroethylene	0.050	0.043	0.466	0.000	-14.3	25	
4-Bromofluorobenzene	0.0063	0.0054	0.833	0.000	-13.1	25	

* SPCCs # CCCs

Mean Absolute %D:12.0

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

SDG No.: H1543

Analysis Method: TO15 SIM

Lab Name: CH2M HILL/LAB/CVO

Lab Sample ID: Level4

Date Analyzed: 03/26/08

Lab File ID: Level4.D

Time Analyzed: 1405

Instrument Name: MSG

Heat Purge: (Y/N) N

GC Column: ZB-624 ID: 0.25 (mm)

		IS1		IS2		IS3	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
Reference Cal		1383	15.16	2474	16.94	2523	21.35
Upper Limit		2766	15.66	4948	17.44	5046	21.85
Lower Limit		692	14.66	1237	16.44	1262	20.85
Field Sample ID	Lab Sample ID						
CV2-0329	CV2-0329	1270	15.14	2130	16.93	2221	21.35
XB2-0329	XB2-0329	1250	15.16	1922	16.94	2000	21.36
SLOP-[redacted]IA-SW-FD	H154302	1306	15.14	2395	16.93	2183	21.35
SLOP[redacted]-IA-SW	H154303	1426	15.14	2709	16.93	2950	21.35
SLOP[redacted]-IA-NE	H154304	1483	15.14	2855	16.93	2935	21.35
SLOP-TB-03192008	H154305	1400	15.16	2494	16.95	2520	21.36
CV1-0401	CV1-0401	1325	15.14	2299	16.93	3000	21.35
XB2-0401	XB2-0401	1192	15.17	1728	16.95	1533	21.36
SLOP[redacted]-AA-N	H154301	1327	15.14	2338	16.92	2555	21.35
SLOP[redacted]AA-NDUP	H154301Dup	1333	15.14	2520	16.93	2221	21.35

IS1: Bromochloromethane

IS2: 1,4-Difluorobenzene

IS3: Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of Internal Standard Area
AREA LOWER LIMIT = - 40% of Internal Standard Area
RT UPPER LIMIT = + 0.50 of Internal Standard RT
RT LOWER LIMIT = - 0.50 of Internal Standard RT

Column used to flag values outside of QC limits with an asterisk

CHAIN OF CUSTODY/SHIPPING DOCUMENTS

39

CH2MHILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

CVO 2300 NW Walnut Boulevard
Corvallis, OR 97330-3638
(541) 752-4271 FAX (541) 752-0276

COC # _____

Project #	364298.01.SLU1.FW
Purchase Order #	
Project Name	SLOP
Company Name	CH2M Hill
Project Manager or Contact & Phone #	Dawn Townsend
Report Copy to:	Dave Lee
Requested Completion Date:	10 Day TAT
Site ID	[redacted]
Sample Disposal:	Dispose ☒ Return ☐

THIS AREA FOR LAB USE ONLY

SDG: H1543
SLOP
03/20/2008

Page 1 of 1

EPA Tier QC Level: 1 (Screening) 2 3 4

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	Matrix AIR	CLIENT SAMPLE ID (9 CHARACTERS)	LAB QC	TOTAL # OF CONTAINERS	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,2-DCA	Vinyle Chloride	Alternate Description	Lab ID
3/18/08	0950	X				X	SLOP-[redacted]		1	X	X	X	X	X	X	6L2544A	1
3/18/08	0935	X				X	SLOP-[redacted]		1	X	X	X	X	X	X	6L2470A	2
3/18/08	0935	X				X	SLOP-[redacted]		1	X	X	X	X	X	X	6L2536A	3
3/18/08	0943	X				X	SLOP-[redacted]		1	X	X	X	X	X	X	6L2590A	4
3/18/08	0900	X				X	SLOP-TB-03192008		1	X	X	X	X	X	X	6L2635S	5

Relinquished By: [signature]	Date/Time: 3/19/08 1200	Received By	Date/Time
Sampled By and Title (Please sign and print name)	Date/Time	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name): D. Hubbard D. Hubbard	Date/Time: 3/20/08 11:35	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name)	Date/Time	Shipped Via: UPS Fed-Ex Other _____	Shipping #

Special Instructions: SLOP cVOCs - Do not run full suite

Equip Returned: FC3907B, FC3912B, FC3931B, FC3906B, FC3961B
Gauge - GA4008

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client
REV 09/2006 LAB FORM 340

CH2MHILL
Applied Sciences Laboratory (ASL)

Sample Receipt Record

Batch Number: SDG: H1543
SLOP
03/20/2008

Date received: 3/20/08

Client/Project

VERIFICATION OF SAMPLE CONDITIONS (verify all items) * HD = Client Hand delivered Samples

Observation	YES	NO
Radiological Screening for AFCEE		NA
Were custody seals intact and on the outside of the cooler?	✓	
If yes, Where? Front ✓ Rear ✓ Lt Side ____ Rt Side ____		
Type of packing material: Ice Blue Ice (Bubble wrap) Box		
Was the Chain of Custody inside the cooler?	✓	
Was the Chain of Custody properly filled out?	✓	
Were the sample containers in good condition?	✓	
Containers supplied by ASL?	✓	
Any sample with < 1/2 holding time remaining? If so contact LPM		✓
Was there ice in the cooler? Enter temp. C		NA- Air Samples
All VOCs free of air bubbles ?		NA

VERIFICATION OF SAMPLE PRESERVATION

Sample No	Nutrients pH <2	Metals pH <2	Volatiles pH <2	Cyanides pH >12	TOC pH <2	TOX pH <2	Other (specify)	(N/A) (soils/smpres) cans
1								ALL
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								

LOGIN AND pH VERIFICATIONS PERFORMED BY

[signature] 3/20/08 11:40 _____

Date/Time Date/Time

CH2M HILL
Applied Sciences Laboratory (ASL)
2300 NW Walnut Blvd., Corvallis, OR 97330-3538
Tel 541.752.4271 Fax 541.752.0276