142796

Pr 1

SEVERN TRENT SERVICES

STL North Canton

SDG NARRATIVE

This narrative pertains to a sample received from the RIVERDALE Site. This data package, completed by STL North Canton, consists of data from the Volatile Semivolatile, Pesticide, and PCB analyses of nine (9) solid samples and one (1) quality control sample using the CLP OLC03.1 protocol.

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) that contain results between the MDL and the RL were flagged with "J". There is the possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The following is a listing of the sample in SDG I01248:

Client ID	Laboratory ID	Sample Receipt Date
SL50-6"	DJRN4	09/01/00
SL50-4"	DJRND	09/01/00
SL51-6"	DJRNG	09/01/00
SL51-4"	DJRNK	09/01/00
SL52-6"	DJRNM	09/01/00
SL52-4"	DJRNN	09/01/00
SL53-6"	DJRNQ	09/01/00
SL54-6"	DJRP0	09/01/00
SL55-6"	DJRP7	09/01/00
TRIP BLANK	DJRRK	09/01/00

During the preparation and analyses of these samples, the following items were noted:

VOLATILES

The internal standard areas were outside acceptance limits for samples SL51-4' and SL52-6" due to matrix effects. Two sets of data have been provided for these samples.

SDG NARRATIVE (continued)

SEMIVOLATILES

Sample SL52-6" had up to one surrogate recovery per fraction outside acceptance limits. However, since the recovery was greater than 10% and all associated QC met criteria, no corrective action was taken.

Samples SL51-6", SL51-4', SL53-6", and SL55-6" had surrogate recoveries outside acceptance limits. Upon re-extraction and reanalysis, the surrogates were within acceptance limits, however recommended holding time had been exceeded.

Sample SL51-6", work order DJRNG-201, had elevated reporting limits due to limited initial sample volume.

Two analyses were used to report sample SL54-6" due to high analyte concentrations.

GC SEMIVOLATILES

Methoxychlor exceeded criteria in the continuing calibration on October 17 on one column. Because the samples are all non-detect for Methoxychlor no corrective action was taken.

TCMX recovery was low in the method blank for samples SL50-6", SL50-4', SL51-6", SL51-4', SL52-6", SL52-4", SL53-6", SL54-6", and SL55-6". The samples were re-extracted and reanalyzed outside of holding time. Both sets of data have been reported.

Kenneth J. Kuzior
Project Manager
November 6, 2000

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MISCELLANEOUS DATA

RSR280

Client: 64186

Lot #: A01010248

Case Number/SDG:

Storage Location: C141 VOOULP/VOOULP

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
DJRN4	TOTHR	9/01/00	Yes		Storage	
DJRND	TOTHR	9/01/00	Yes		Storage	
DJRN3	TOTHR	9/01/00	Yes		Storage	
DJRNK	TOTHR	9/01/00	Yes		Storage	
DJRNM	TOTHR	9/01/00	Yes		Storage	
DJRNN	TOTHR	9/01/00	Yes		Storage	
DJRNQ	TOTHR	9/01/00	Yes		Storage	
DJRP0	TOTHR	9/01/00	Yes		Storage	
DJRP7	TOTHR	9/01/00	Yes		Storage	
DJRPG	ARMANS	9/01/00	Yes		Storage	
DJRRK	ARMANS	9/01/00	Yes		Storage	

STL NORTH CANTON

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SHIPPING AND RECEIVING DOCUMENTS

100 FedEx USA Airbill 822758942583

1 From This portion can be removed for Recipient's records.

Date Aug 31/00 FedEx Tracking Number 822758942583

Sender's Name Heather Sons Phone

Company RMT/CHICAGO

Address 222 S RIVERSIDE PLZ STE 820

City CHICAGO State IL ZIP 60606

2 Your Internal Billing Reference

3 To

Recipient's Name KEN KUSCHER Phone 330 497

Company [illegible]

Address 4161 SHUFFEL DRIVE

City [illegible] State OH ZIP [illegible]

8227 5894 2583

Seal 8/31/00

Custody Seal 8/31/00

Severn Trent Laboratories

Signature [illegible]

Date: 8/31/00

STL North Canton

Chain of Custody Record

Quanterra

Client: RMT

Project Manager: Ross Miskanik

Date: 4-30-00

Chain of Custody Number: 45044

Address: 222 S. Riverside Plaza, Suite 420

Telephone Number (Area Code)/Fax Number: 312 575 0200 / 312 575 0260

Lab Number:

Page 2 of 2

City: Chicago | State: IL | Zip Code: 60606

Site Contact: Yuan/Bevs | Lab Contact: Ken Kozal

Project Name: Riverside

Project Number:

Contract/Purchase Order/Quote No.:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Soil	Water	Air	Containers & Preservatives: 2oz. Glass	4oz. Glass	8oz. Glass	16oz. Glass	32oz. Glass	40oz. Glass	Plastic	Other	Analysis (Attach list if more space is needed): Pest/PCB	SVOC	Metals	VOC							Special Instructions/ Conditions of Receipt
SL49-1'	4-30-00	7:05			X								6	X										Lab: Alpha,
SL49-4'	4-30-00	9:05			X								6	X										Denver, Kalamazoo,
SL50-2"		9:40											4		X	X	X	X						Mylabs, Spectra,
SL50-4'		7:50											4		X	X	X	X						Enviroteq, Alpha +
SL51-2"		10:30											4		X	X	X	X						general chemistry
SL61-4'		10:30											4		X	X	X	X						
SL62-2"		10:45											4		X	X	X	X						
SL62-4'		10:45											4		X	X	X	X						
SL63-2"		11:00											4		X	X	X	X						
SL64-2"		11:05											4		X	X	X	X						
SL65-2"	↓	11:09			↓								4		X	X	X	X						
	4-30-00				X																			

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposed by Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other std

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Heather Lynch	4-30-00	11:00	1. Received By: Donna Sanders	5/1/00	9:00
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

STL North Canton

North Canton Facility

Client: RMT Project: Riverdale Quote#: _____

Cooler Received on: 9/1/00 Opened on: 9/1/00 by: [signature] (Signature)

Fedx [X] Client Drop Off [ ] UPS [ ] Airborne [ ]
Other: _____

Cooler [ ] Safe [ ] Foam Box [ ] Client Cooler [X] Other: _____

STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes [X] No [ ]
   If YES, Quantity 3 Location overlid
   Were the custody seals signed and dated? Yes [X] No [ ] NA [ ]
2. Shipper's packing slip attached to this form? Yes [X] No [ ]
3. Were custody papers included inside the cooler and relinquished? Yes [X] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [X] No [ ]
5. Packing material used:
   Peanuts [ ] Bubble Wrap [ ] Vermiculite [ ] Foam [ ] None [ ] Other: _____
6. Cooler temperature upon receipt 2.8 °C (see back of form for multiple coolers/temp)
   METHOD: Temperature Vial [ ] Coolant [X] Against Bottles [ ]
   COOLANT: Wet Ice [X] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]
7. Were all the bottles sealed in separate plastic bags? Yes [X] No [ ]
8. Did all bottles arrive in good condition (Unbroken)? Yes [X] No [ ]
9. Did all bottle labels and tags agree with the custody papers? Yes [ ] No [X]
10. Were samples at the correct pH? Yes [ ] No [ ] NA [X]
11. Were correct bottles used for the tests indicated? Yes [X] No [ ]
12. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [X] NA [ ]
13. Was a sufficient amount of sample sent in each bottle? Yes [X] No [ ]

Contacted PM KJK Date: 9-11-00 by: [signature] via Voice Mail [X] Verbal [ ] Other [ ]

Concerning: HOS

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
X	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred. Did not receive 100ml for samples SL50-6" and SL57-6" - Received 2 trip blanks not on COC. Willing in [signature] 9-11-00
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		
		✓ MS/MSD bottle marked SL47-4" - will log

MS/MSD on this sample

Revision 13, June 19, 2000
SOP: NC-SC-0003, Sample Receiving
n:\qaqc\narrow\stl\cooler_stl.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

Revision 13, June 19, 2000
SOP: NC-SC-0003, Sample Receiving
c:\qapc\barnum\cooler_stl.doc

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GCMS VOLATILE DATA

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QC SUMMARY DATA

OCLP OLM03.1 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: RMT

Lab Code: QESCAN QESSDG: 101248

Lab #: R0101248

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
01	S150-4'	108	78	100	00
02	S151-6"	117	69	90	00
03	S151-4'	119	73	100	00
04	S151-4' RE-1	124	69	103	00
05	S152-6"	111	74	102	00
06	S152-6" RE-1	117	72	105	00
07	S152-4'	102	66	103	00
08	S153-6"	111	68	102	00
09	S150-6"	107	81	100	00
10	S154-6"	101	84	97	00
11	S155-6"	120	87	109	00
12	METHOD BLK. MB2H101	96	90	99	00
13	S150-6" D	123	71	109	00
14	S150-6" S	121	75	104	00

SURROGATES		QC LIMITS
SRG01	= Toluene-d8	(84-138)
SRG02	= Bromofluorobenzene	(59-113)
SRG03	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values
* Values outside of required QC limits
D System monitoring Compound diluted out

FORM II

OCLP OLM03.1 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EMT

Lab Code: QESCAN QESSDG: K01240

Lot #: AOC010248

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
01	BLDBLK	98	92	105	0 0
02	TRIP BLANK	97	90	101	0 0
03	METHOD BLK. DK4EP101	99	92	101	0 0

SURROGATES		QC LIMITS
SRG01	= Toluene-d8	(88-110)
SRG02	= Bromofluorobenzene	(86-115)
SRG03	= 1,2-Dichloroethane-d4	(76-114)

\# Column to be used to flag recovery values
* Values outside of required QC limits
D System monitoring Compound diluted out

FORM II

OCLP OLM03.1 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: RMT

Lab Code: QESCAN SDG No: I01248

Matrix Spike ID: SL50-6*

Lot #: A0I010248 WO #: DJRN410X
BATCH: 0252101

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	63	ND	72	115	59 - 172	
Trichloroethene	63	ND	58	92	62 - 137	
Benzene	63	ND	67	107	66 - 142	
Toluene	63	ND	75	119	59 - 139	
Chlorobenzene	63	ND	71	113	60 - 133	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

OCLP OLM03.1 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: RMT

Lab Code: QESCAN SDG No: I01248

Matrix Spike ID: SL50-6"

Lot #: A0I010248 WO #: DJRN4110
BATCH: 0252101

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	63	77	123	6.8	22	59 - 172	
Trichloroethene	63	56	88	3.6	24	62 - 137	
Benzene	63	68	108	0.95	21	66 - 142	
Toluene	63	78	124	4.1	21	59 - 139	
Chlorobenzene	63	70	111	1.1	21	60 - 133	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

DK4EP101

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number: I01248

Lab File ID: ux80206.d

Lot Number: A0I010248

Date Analyzed: 09/08/00

Time Analyzed: 19:57

Matrix: WATER

Date Extracted: 09/08/00

GC Column: DB 624 ID: .18

Extraction Method: 5030

Instrument ID: UX8

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HLDBLK	DJRPG101	ux80207.d	09/08/00	20:20
02	TRIP BLANK	DJRRK101	ux80208.d	09/08/00	20:43
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

DK2H4101

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number: I01248

Lab File ID: ux9800.d

Lot Number: A0I010248

Date Analyzed: 09/07/00

Time Analyzed: 08:27

Matrix: SOLID

Date Extracted: 09/07/00

GC Column: DB 624 ID: .18

Extraction Method: 5030

Instrument ID: UX9

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SL50-4'	DJRND10T	ux9802.d	09/07/00	09:12
02	SL51-6"	DJRNG10T	ux9803.d	09/07/00	09:35
03	SL51-4'	DJRNK10T	ux9804.d	09/07/00	09:57
04	SL51-4'	DJRNK20T	ux9812.d	09/07/00	13:08
05	SL52-6"	DJRNM10T	ux9805.d	09/07/00	10:20
06	SL52-6"	DJRNM20T	ux9813.d	09/07/00	13:30
07	SL52-4'	DJRNN10T	ux9806.d	09/07/00	10:42
08	SL53-6"	DJRNQ10T	ux9814.d	09/07/00	13:53
09	SL50-6"	DJRN410T	ux9801.d	09/07/00	08:49
10	SL50-6"	DJRN410X S	ux9810.d	09/07/00	12:22
11	SL50-6"	DJRN4110 D	ux9811.d	09/07/00	12:45
12	SL54-6"	DJRP010T	ux9808.d	09/07/00	11:37
13	SL55-6"	DJRP710T	ux9815.d	09/07/00	14:15
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Lab File ID: BFB8503 BFB Injection Date: 09/08/00

Instrument ID: A3UX8A BFB Injection Time: 1625

GC Column: DB624 20M ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	41.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 120.0% of mass 95	81.7
175	4.0 - 9.0% of mass 174	6.6 (8.1)1
176	93.0 - 101.0% of mass 174	79.7 (97.5)1
177	5.0 - 9.0% of mass 176	5.3 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	100NG-IC	UX80198	09/08/00	1652
02	VSTD100	50NG-IC	UX80199	09/08/00	1715
03	VSTD050	25NG-IC	UX80200	09/08/00	1738
04	VSTD020	10NG-IC	UX80201	09/08/00	1802
05	VSTD010	5NG-IC	UX80202	09/08/00	1825
06	DK4BP-BLK	DK4BP101	UX80206	09/08/00	1957
07	BLDBLK	DJRPG101	UX80207	09/08/00	2020
08	TRIPBLANK	DJRRK101	UX80208	09/08/00	2043
09					
10					
11					
12					
13					
14					
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16					
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18					
19					
20					
21					
22					

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FORM V VOA OLM03.0

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QBSOH Case No.: SAS No.: SDG No.: I01248

Lab File ID: BFB171 BFB Injection Date: 09/07/00

Instrument ID: A3UK9 BFB Injection Time: 0548

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	31.5
75	30.0 - 66.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.3 (0.3)1
174	50.0 - 120.0% of mass 95	81.7
175	4.0 - 9.0% of mass 174	5.7 (7.0)1
176	93.0 - 101.0% of mass 174	77.8 (95.1)1
177	5.0 - 9.0% of mass 176	4.9 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	100NG-IC	UK9794	09/07/00	0610
02	VSTD100	50NG-IC	UK9795	09/07/00	0633
03	VSTD050	25NG-IC	UK9796	09/07/00	0656
04	VSTD020	10NG-IC	UK9797	09/07/00	0719
05	VSTD010	5NG-IC	UK9798	09/07/00	0742
06	DK2H4-BLK	DK2H4101	UK9800	09/07/00	0827
07	SL50-6"	DJRN410T	UK9801	09/07/00	0849
08	SL50-4'	DJRND10T	UK9802	09/07/00	0912
09	SL51-6"	DJRNG10T	UK9803	09/07/00	0935
10	SL51-4'	DJRNK10T	UK9804	09/07/00	0957
11	SL52-6"	DJRNM10T	UK9805	09/07/00	1020
12	SL52-4'	DJRNN10T	UK9806	09/07/00	1042
13	SL54-6'	DJRP010T	UK9808	09/07/00	1137
14	SL50-6"	DJRN410X	UK9810	09/07/00	1222
15	SL50-6"	DJRN4110	UK9811	09/07/00	1245
16	SL51-4'	DJRNK20T	UK9812	09/07/00	1308
17	SL52-6"	DJRNM20T	UK9813	09/07/00	1330
18	SL53-6"	DJRNQ10T	UK9814	09/07/00	1353
19	SL55-6"	DJRP710T	UK9815	09/07/00	1415
20					
21					
22					

page 1 of 1

FORM V VOA OLM03.0

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Lab File ID (Standard): UX80200 Date Analyzed: 09/08/00

Instrument ID: A3UX8A Time Analyzed: 1738

GC Column: DB624 20M ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	136017	4.30	969716	5.13	773025	7.72
	UPPER LIMIT	272034	4.80	1939432	5.63	1546050	8.22
	LOWER LIMIT	68008	3.80	484858	4.63	386512	7.22
	EPA SAMPLE NO.						
01	DR4BP-BLK	136412	4.30	921612	5.13	734941	7.72
02	BLDBLK	132557	4.30	886944	5.13	721821	7.72
03	TRIPBLANK	131752	4.30	880074	5.13	723139	7.72
04							
05							
06							
07							
08							
09							
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11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII VOA OLM03.0

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Lab File ID (Standard): UK9796 Date Analyzed: 09/07/00

Instrument ID: A3UK9 Time Analyzed: 0656

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	152466	4.56	942933	5.39	857922	7.98
	UPPER LIMIT	304932	5.06	1885866	5.89	1715844	8.48
	LOWER LIMIT	76233	4.06	471466	4.89	428961	7.48
	EPA SAMPLE NO.						
01	DK2H4-BLK	141282	4.57	930483	5.40	815854	7.99
02	SL50-6"	111588	4.57	688475	5.40	527897	7.99
03	SL50-4'	128203	4.56	875455	5.39	697068	7.98
04	SL51-6"	117644	4.57	779235	5.39	540497	7.99
05	SL51-4'	79257	4.57	487129	5.39	333693*	7.99
06	SL52-6"	89775	4.57	581759	5.39	393622*	7.99
07	SL52-4'	127561	4.56	859860	5.39	729878	7.98
08	SL54-6'	124775	4.57	810444	5.39	665749	7.99
09	SL50-6"	93989	4.56	599278	5.39	419723*	8.00
10	SL50-6"	87169	4.57	580167	5.39	387036*	7.99
11	SL51-4'	87017	4.57	537250	5.39	361813*	7.99
12	SL52-6"	91708	4.57	618405	5.40	410678*	7.99
13	SL53-6"	101645	4.57	672045	5.40	452478	7.99
14	SL55-6"	102603	4.56	589901	5.39	438087	7.98
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII VOA OLM03.0

Committed To Your Success

SAMPLE DATA

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: K01248

Matrix: (soil/water) SO Lab Sample ID: AOK010246 001
Method: CCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DTR941OT Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture 6:21

QC Batch: 0253101

Client Sample Id: SL50-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	1.3	J B
67-64-1	Acetone	5.0	J B
75-15-0	Carbon disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: K01248

Matrix: (soil/water) SO Lab Sample ID: K0K010248 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRN41OT Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture 9:21

QC Batch: 0252101

Client Sample Id: S150-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylenes (total)	13	U

FORM I

RMT

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: JA01010248 001

Method: OCLP OLM03.1

Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00

Work Order: DTRN41OT Date Extracted: 09/07/00

Dilution Factor: 1 Date Analyzed: 09/07/00

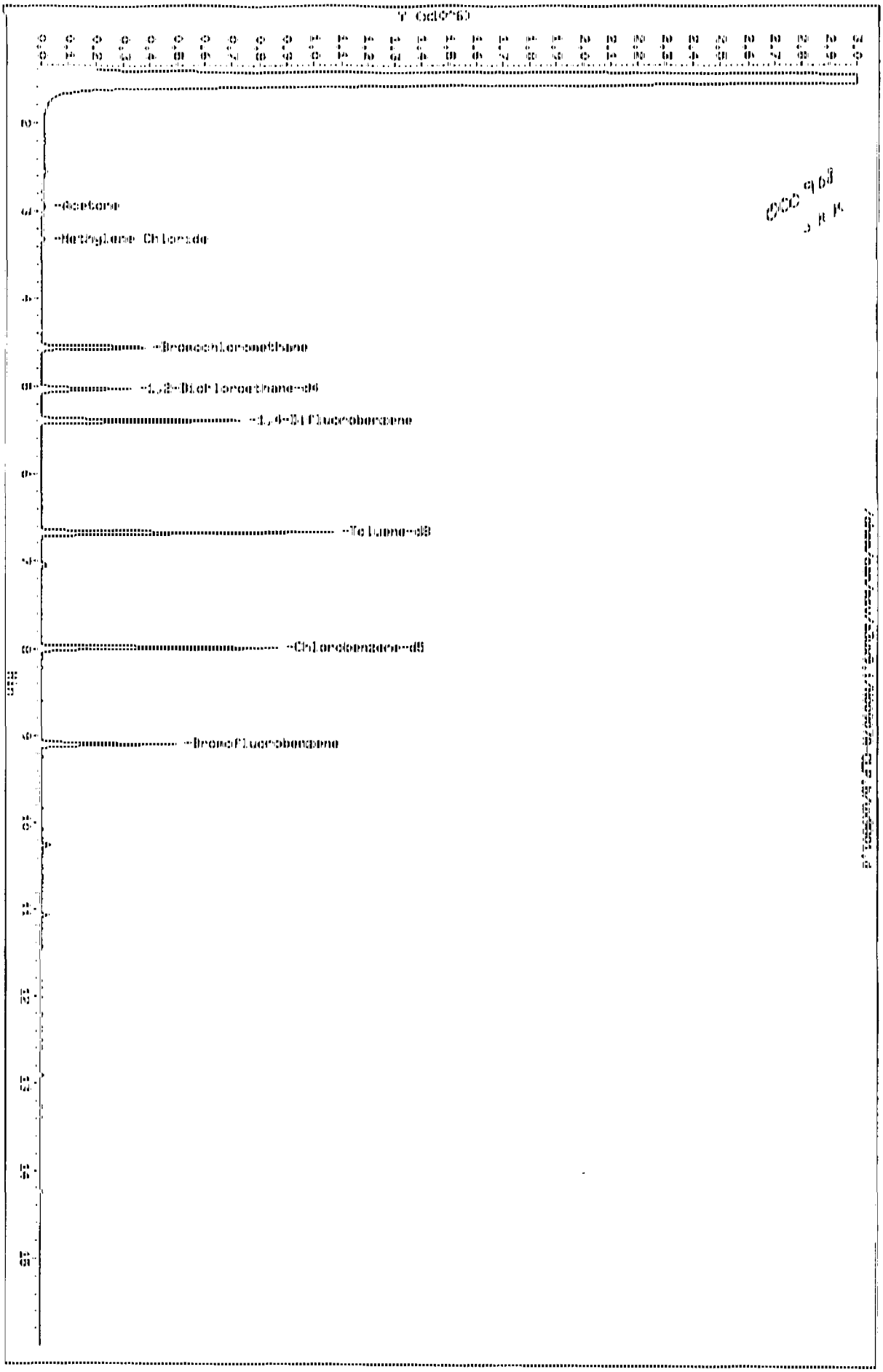
Moisture %: 21

QC Batch: 0252101

Client Sample Id: SL50-6"

CAS NUMBER	COMPOUND NAME (ug/L or ug/kg) ug/kg	RT	EST. CONC.	Q
	None			

FORM I - TIC


Acetone
Methylene Chloride
Bromochloromethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data File : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9801.d
Lab Smp Id: DJRN410T Client Smp ID: SL50-6"
Inj Date : 07-SEP-2000 08:49
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRN410T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdaniel Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * QpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Qpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.567	4.565	(1.000)	111588	250.000	
* 2 1,4-Difluorobenzene	114	5.396	5.393	(1.000)	688475	250.000	
* 3 Chlorobenzene-d5	117	7.987	7.985	(1.000)	527897	250.000	
S 4 1,2-Dichloroethane-d4	65	5.029	5.038	(1.101)	238093	250.469	50.094
S 5 Toluene-d8	98	6.674	6.671	(0.836)	727647	267.446	53.489
S 6 Bromofluorobenzene	95	9.099	9.097	(1.139)	188696	201.809	40.362
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
13 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.935	2.932	(0.642)	22754	19.9566	3.991
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	3.325	3.322	(0.728)	6531	5.02255	1.004
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
22 2-Butanone	43	Compound Not Detected.					
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
28 Benzene	78	Compound Not Detected.					
29 Trichloroethene	130	Compound Not Detected.					
30 1,2-Dichloropropane	63	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
35 Toluene	91	Compound Not Detected.					
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
39 Tetrachloroethene	164	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
41 Chlorobenzene	112	Compound Not Detected.					
42 Ethylbenzene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
M 80 Xylenes (total)	106	Compound Not Detected.					
45 Styrene	104	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/can/msv/a3wx9.i/N00907A-CLP.b/wx9801.d

Page 8

Date : 07-SEP-2000 08:49

Client ID: SL50-6"

Instrument: a3wx9.i

Sample Info: DJRN4107,,5G/5ML

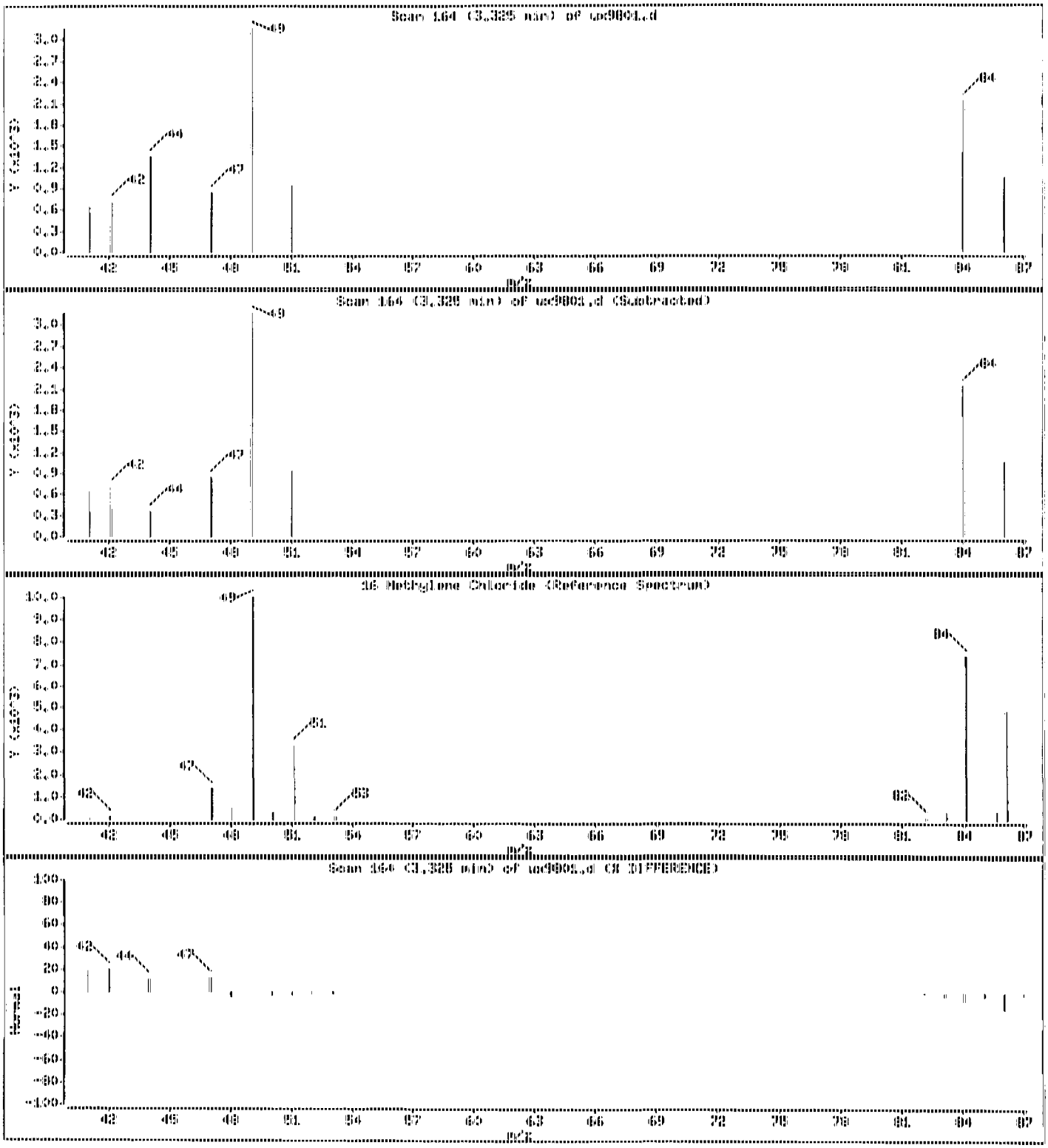
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.004 UG/KG



Data File: /chem/cam/msv/a3ux9.i/N00907A-CLP.b/ux9801.d

Page 7

Date : 07-SEP-2000 08:49

Client ID: SL50-6"

Instrument: a3ux9.i

Sample Info: DJRM410T,,50/5ML

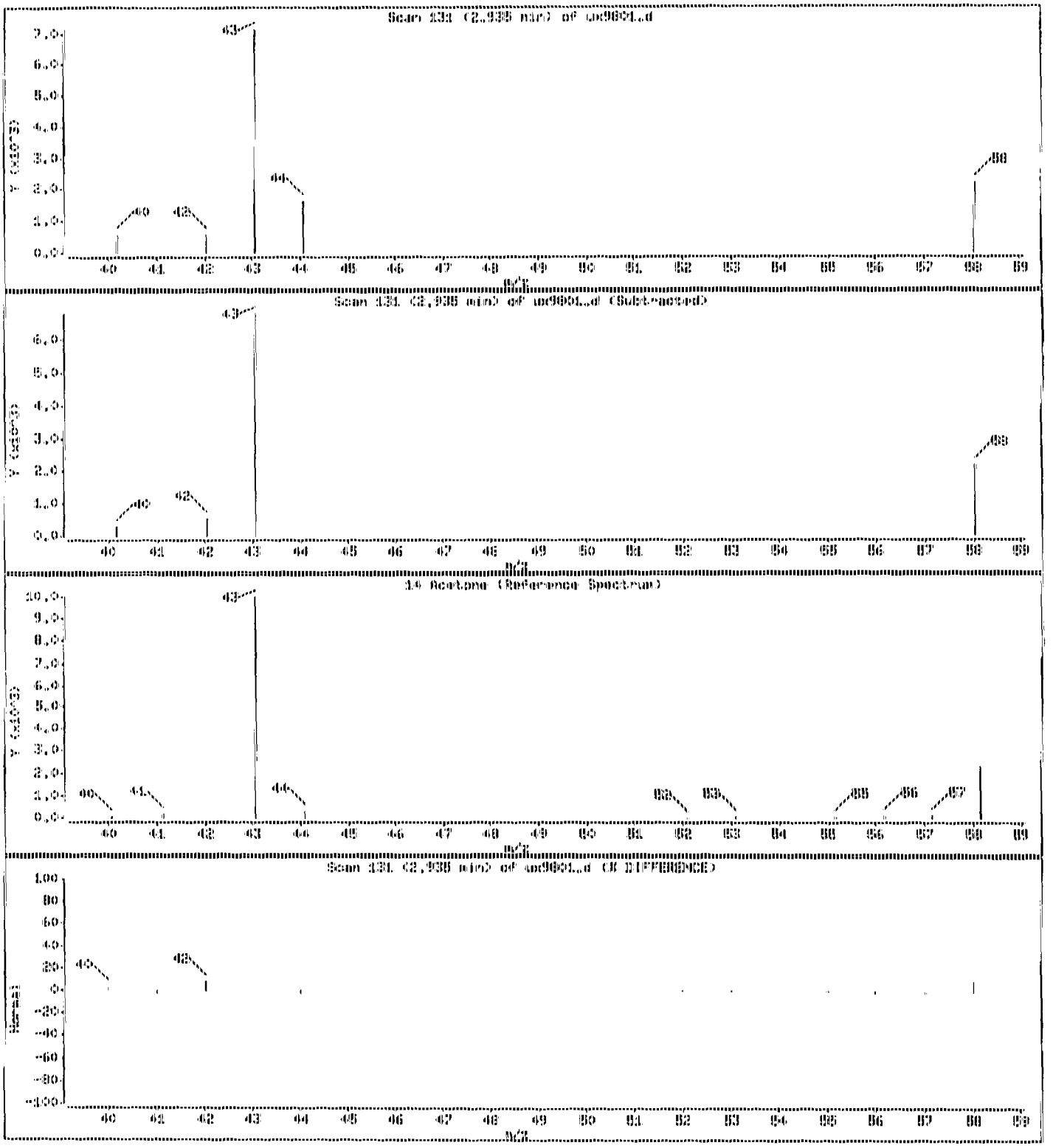
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 3.991 UG/KG



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: 101248

Matrix: (soil/water) SO Lab Sample ID: J0101248 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRND10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture 0:22

QC Batch: 0253101

Client Sample Id: SL50-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	2.1	J B
67-64-1	Acetone	27	B
75-15-0	Carbon disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	8.0	J
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0101248 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRND107 Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture % : 22

QC Batch: 0253101

Client Sample Id: SL50-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylenes (total)	13	U

FORM I

RMT

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: R0I010248 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DDRRD1OT Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture % 22

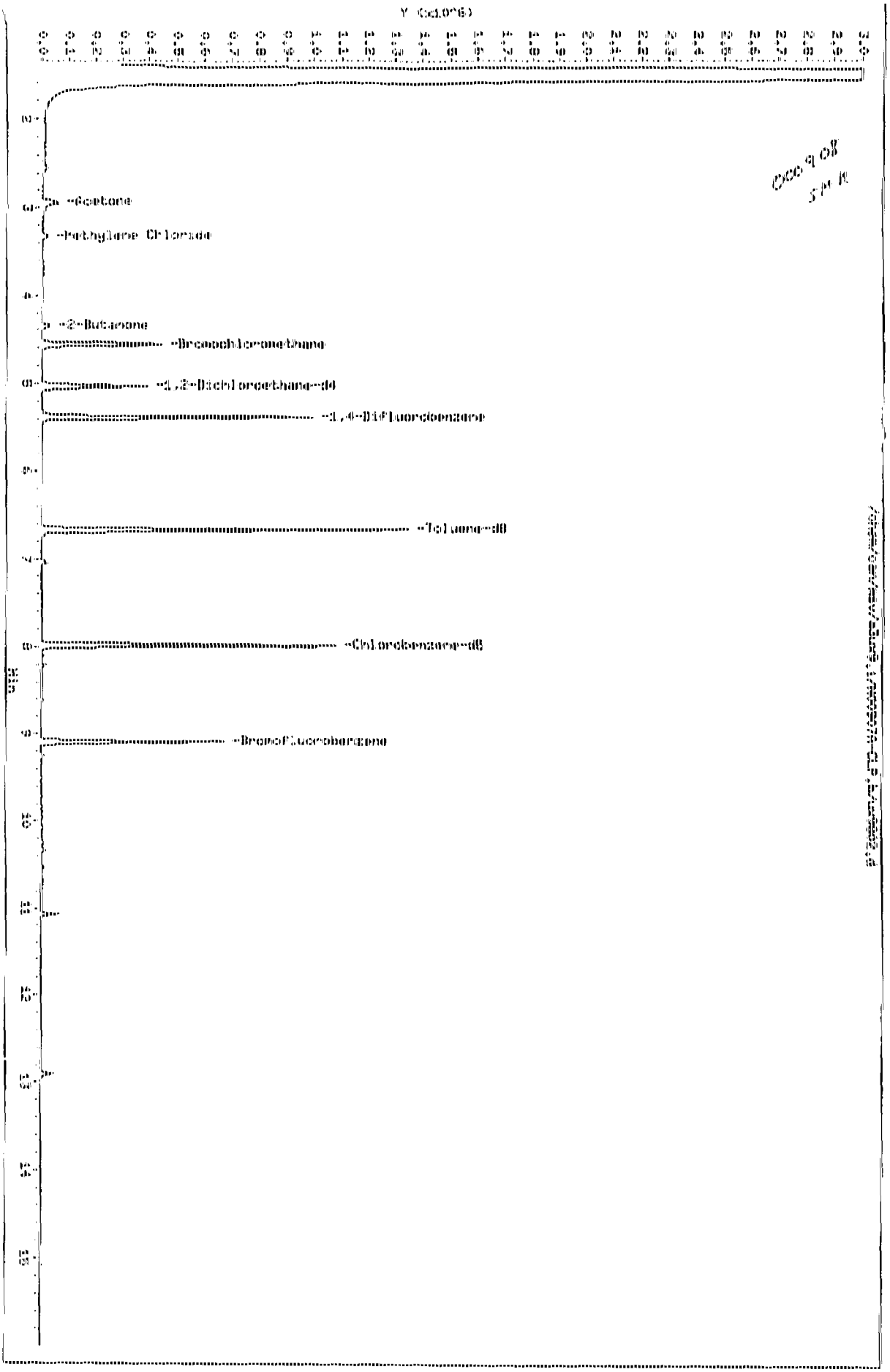
GC Batch: 0253101

Client Sample Id: SL50-4"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC


Acetone
Methylene Chloride
2-Butanone
Bromochloromethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9802.d
Lab Smp Id: DJRND10T Client Smp ID: SL50-4'
Inj Date : 07-SEP-2000 09:12
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRND10T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdaniel Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
" 1 Bromochloromethane	128	4.564	4.565	(1.000)	128203	250.000	
" 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	875655	250.000	
" 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	667068	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.106)	271979	249.035	49.807
$ 5 Toluene-d8	98	6.670	6.671	(0.835)	968241	269.508	53.902
$ 6 Bromofluorobenzene	95	9.096	9.097	(1.139)	241995	196.209	39.242
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
13 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.931	2.932	(0.642)	135707	103.508	20.718
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.322	3.322	(0.728)	8612	8.11613	1.623
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	4.351	4.352	(0.953)	48706	30.9906	6.198
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Carbon Tetrachloride	117	Compound Not Detected.					
	27 1,2-Dichloroethane	62	Compound Not Detected.					
	28 Benzene	78	Compound Not Detected.					
	29 Trichloroethene	130	Compound Not Detected.					
	30 1,2-Dichloropropane	63	Compound Not Detected.					
	31 Bromodichloromethane	83	Compound Not Detected.					
	34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	Compound Not Detected.					
	35 Toluene	91	Compound Not Detected.					
	36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	39 Tetrachloroethene	164	Compound Not Detected.					
	37 2-Hexanone	43	Compound Not Detected.					
	40 Dibromochloromethane	129	Compound Not Detected.					
	41 Chlorobenzene	112	Compound Not Detected.					
	42 Ethylbenzene	106	Compound Not Detected.					
	43 m + p-Xylene	106	Compound Not Detected.					
M	80 Xylenes (total)	106	Compound Not Detected.					
	45 Styrene	104	Compound Not Detected.					
	44 Xylene-o	106	Compound Not Detected.					
	46 Bromoform	173	Compound Not Detected.					
	47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/cam/msv/a3uc9.i/N009076-CLP.b/uc9802.d

Page 8

Date : 07-SEP-2000 09:12

Client ID: SL50-4

Instrument: a3uc9.i

Sample Info: DJRMB10T,,5G/5ML

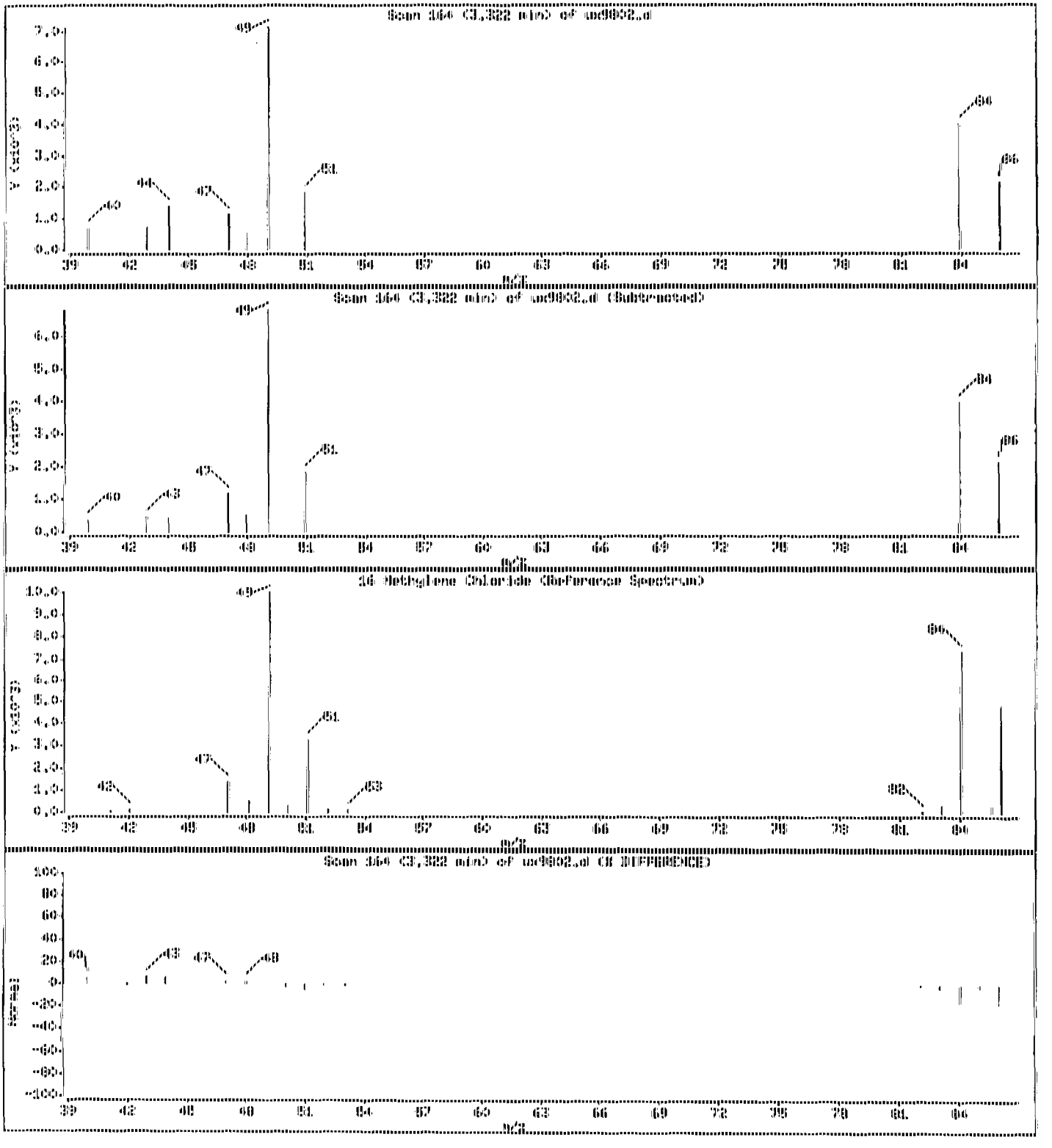
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.623 UG/KG



Data File: /chem/can/msw/a3wx9.i/N00907A-CLP.b/wx9802.d

Page 7

Date : 07-SEP-2000 09:12

Client ID: SL50-4'

Instrument: a3wx9.i

Sample Info: DJRND10T,,BG/SML

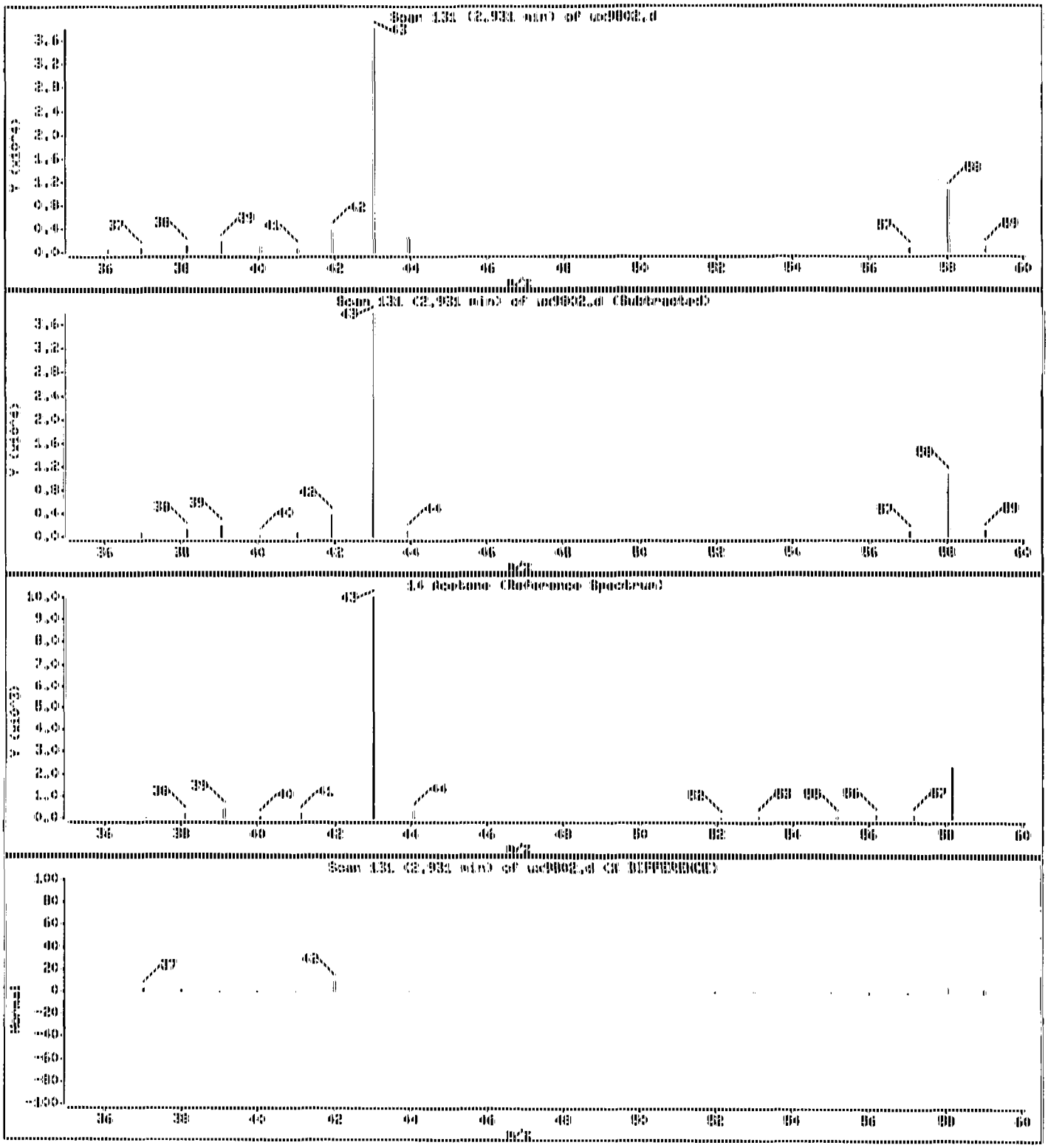
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 20.718 UG/KG



Data File: /chem/can/msv/a3wx9.i/N00907A-CLP.b/wx9802.d

Page 9

Date : 07-SEP-2000 09:12

Client ID: SL50-4'

Instrument: a3wx9.i

Sample Info: DJRMD10T,,BC/5ML

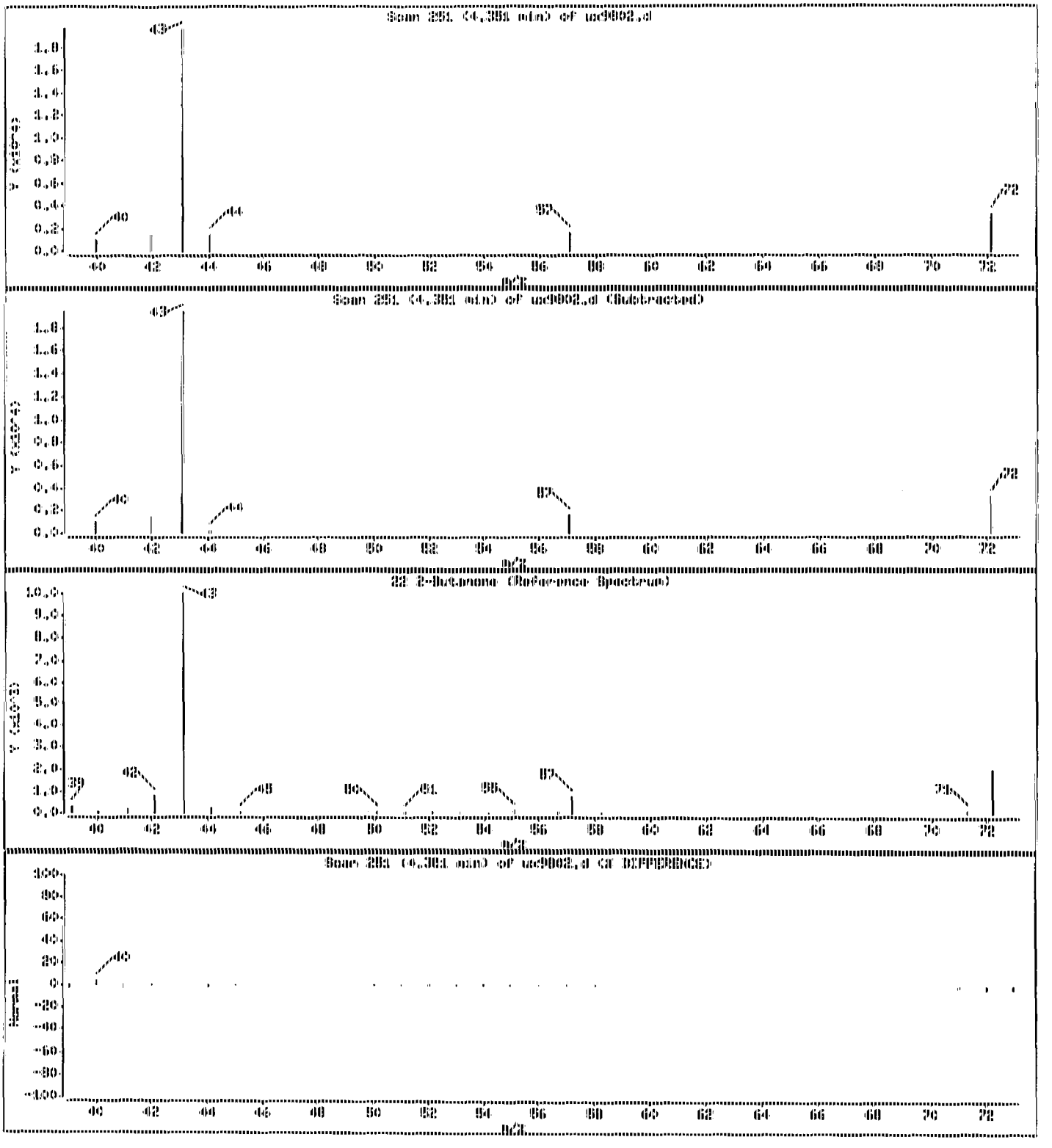
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 6.198 UG/KG



RMK

Lab Name: Severn Trent Laboratories, Inc. SDG Number: K01240

Matrix: (soil/water) SO Lab Sample ID: AOK01240 003
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: D7RNG10T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture 6:62

QC Batch: 0252101

Client Sample Id: SL51-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene chloride	16	U
67-64-1	Acetone	15	J B
75-15-0	Carbon disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	31	J
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 003
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNG10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 62

QC Batch: 0252101

Client Sample Id: SL51-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	26	U
108-90-7	Chlorobenzene	26	U
100-41-4	Ethylbenzene	26	U
100-42-5	Styrene	26	U
1330-20-7	Xylenes (total)	26	U

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 003
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNG10T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 62

QC Batch: 0252101

Client Sample Id: SL51-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Acetone
2-Butanone
Bromochloromethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data File : /chem/can/mrv/a3uxc9.i/N00907A-CLP.b/ux9803.d
Lab Smp Id: DJRNG10T Client Smp ID: SL51-6"
Inj Date : 07-SEP-2000 09:35
Operator : 01819 Inst ID: a3uxc9.i
Smp Info : DJRNG10T, ,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/mrv/a3uxc9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdaniles Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Subline: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL. RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.566	4.565	(1.000)	117664	250.000	
* 2 1,4-Difluorobenzene	114	5.394	5.393	(1.000)	779239	250.000	
* 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	560697	250.000	
6 4 1,2-Dichloroethane-d6	65	5.028	5.038	(1.101)	266610	266.074	49.215
8 5 Toluene-d8	98	6.672	6.671	(0.836)	873581	292.060	58.412
9 6 Bromofluorobenzene	95	9.058	9.097	(1.139)	164162	173.730	34.746
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
16 Acetone	43	2.965	2.932	(0.645)	33556	27.9112	5.582
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (US/KG)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	4.353	4.352	(0.953)	10379	7.19666	1.439
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Carbon Tetrachloride	117	Compound Not Detected.					
	27 1,2-Dichloroethane	62	Compound Not Detected.					
	28 Benzene	78	Compound Not Detected.					
	29 Trichloroethene	130	Compound Not Detected.					
	30 1,2-Dichloropropane	63	Compound Not Detected.					
	31 Bromodichloromethane	83	Compound Not Detected.					
	34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	Compound Not Detected.					
	35 Toluene	91	Compound Not Detected.					
	36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	39 Tetrachloroethene	164	Compound Not Detected.					
	37 2-Hexanone	43	Compound Not Detected.					
	40 Dibromochloromethane	129	Compound Not Detected.					
	41 Chlorobenzene	112	Compound Not Detected.					
	42 Ethylbenzene	106	Compound Not Detected.					
	43 m + p-Xylene	106	Compound Not Detected.					
M	80 Xylenes (total)	106	Compound Not Detected.					
	45 Styrene	104	Compound Not Detected.					
	44 Xylene-o	106	Compound Not Detected.					
	46 Bromoform	173	Compound Not Detected.					
	47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/can/msv/a3wd9.i/N00907A-CLP.b/wd9803.d

Page 7

Date : 07-SEP-2000 09:35

Client ID: SL51-6"

Instrument: a3wd9.i

Sample Info: DJRNG10T,,5G/5ML

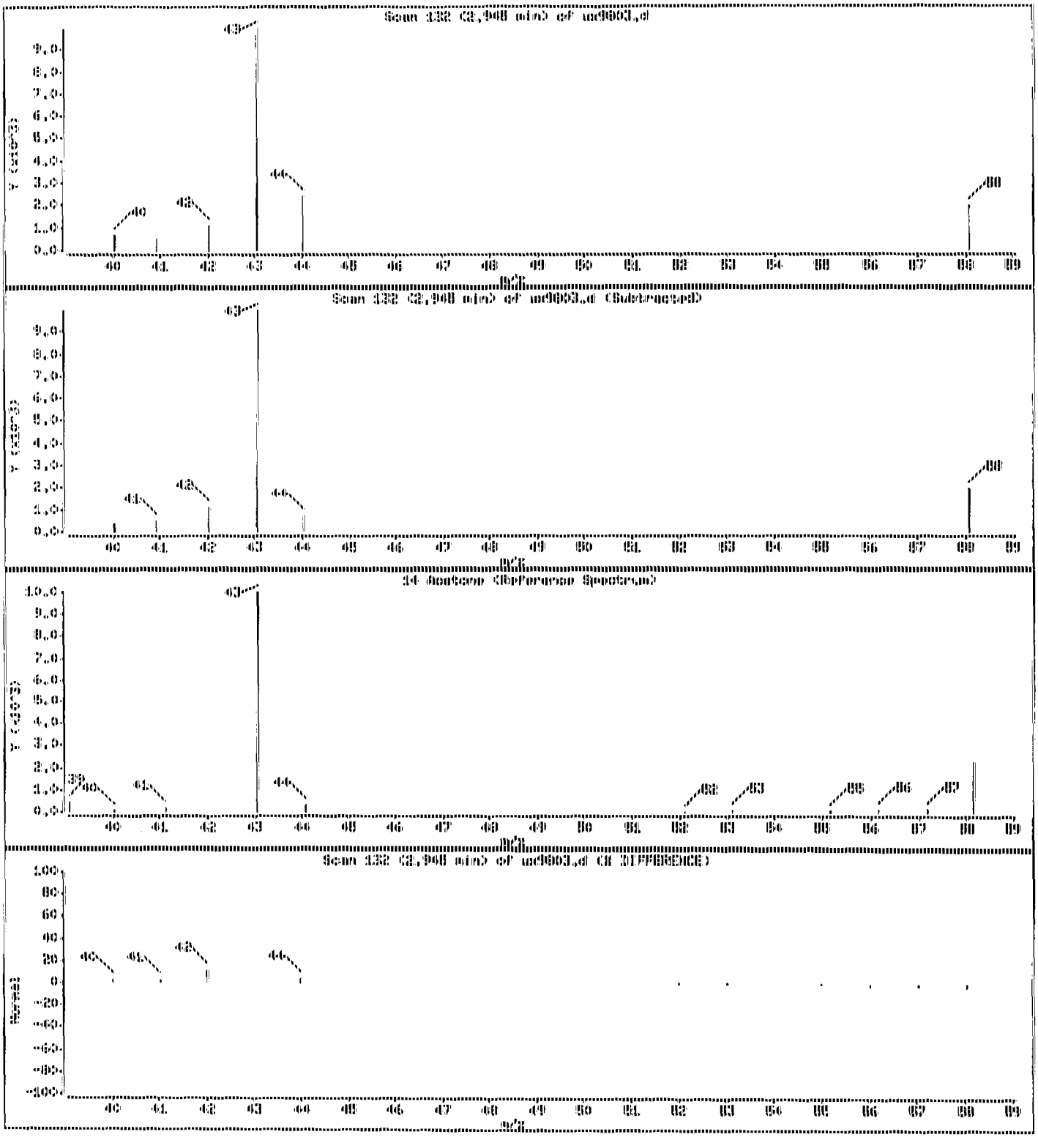
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 5.582 UG/KG



Data File: /chem/car/msv/a3uc9.i/N00907A-CLP.b/uc9803.d

Page 8

Date : 07-SEP-2000 09:35

Client ID: SL81-6"

Instrument: a3uc9.i

Sample Info: DJRNG10T,,5G/5ML

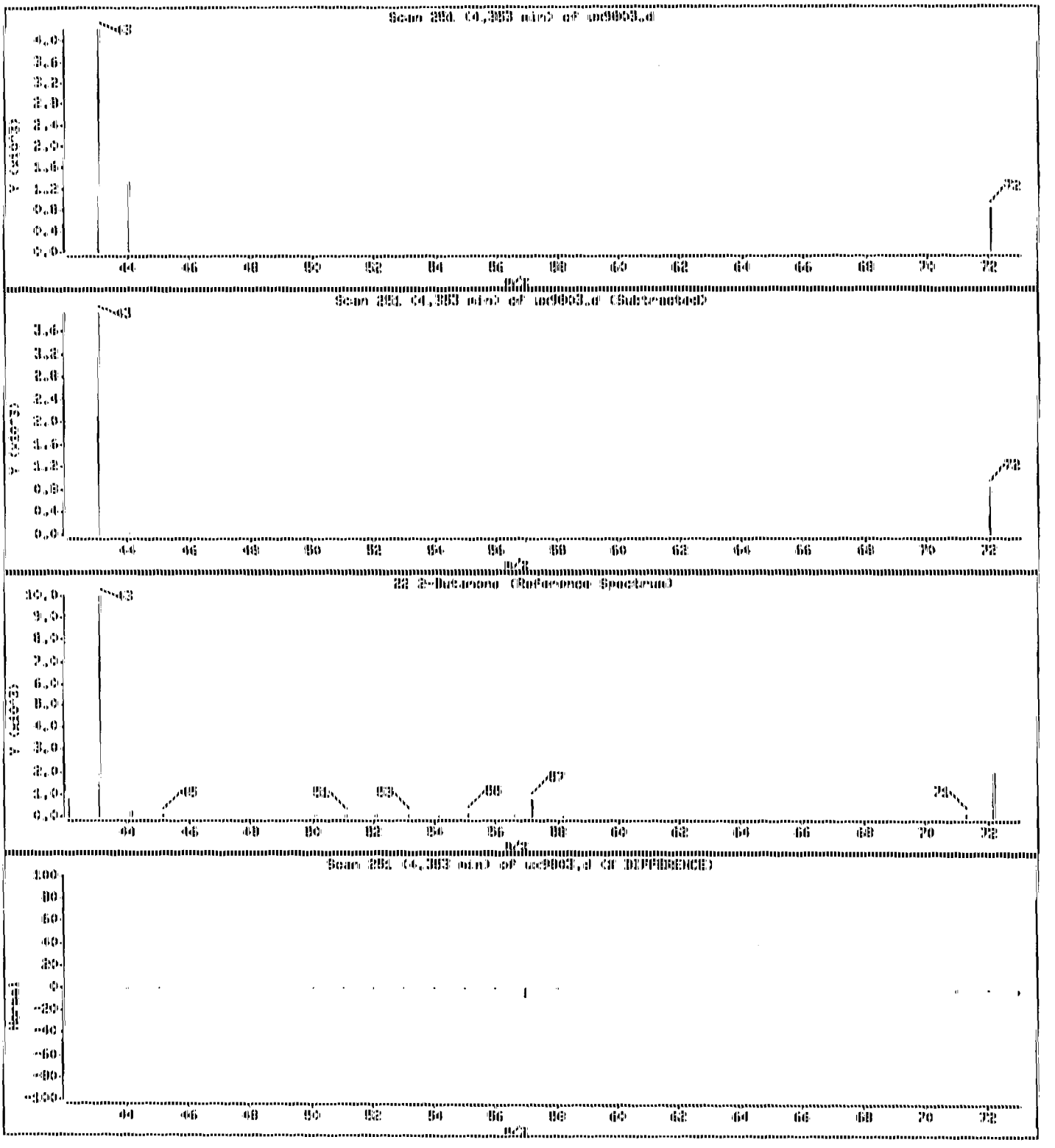
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 1,439 UG/KG



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: K01248

Matrix: (soil/water) SO Lab Sample ID: AOK010248 004
Method: CLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample Wt/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNK1OT Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture 9:27

QC Batch: 0252101

Client Sample Id: SL51-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene chloride	1.5	J B
67-64-1	Acetone	10	B
75-15-0	Carbon disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	7.9	J
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U

FORM I

BNEF

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: AOI01248 004
Method: CLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: D7R9K1OT Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture 6.27

QC Batch: 0253101

Client Sample Id: SL51-4'

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylenes (total)	14	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNK10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 27

QC Batch: 0252101

Client Sample Id: SL51-4'

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Acetone
Methylene Chloride
4-Butanone
Trichlorofluoromethane
1,2-Dichloroethane
1,4-Dichlorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
Time

Fig. 6

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9804.d
Lab Smp Id: DJRNK10T Client Smp ID: SL51-4'
Inj Date : 07-SEP-2000 09:57
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNK10T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS CN-COLUMN (ug)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.566	4.565	(1.000)	79257	250.000	
* 2 1,4-Difluorobenzene	114	5.394	5.395	(1.000)	487129	250.000	
* 3 Chlorobenzene-d5	117	7.985	7.985	(1.000)	333695	250.000	
$ 4 1,2-Dichloroethane-d6	65	5.059	5.038	(1.106)	169517	251.075	50.214
$ 5 Toluene-d8	98	6.672	6.671	(0.856)	512847	298.198	59.640
$ 6 Bromofluorobenzene	95	9.098	9.097	(1.139)	107242	181.637	36.327
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
13 1,1-Dichloroethane	96	Compound Not Detected.					
14 Acetone	43	2.933	2.932	(0.642)	113670	140.103	28.020
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	3.311	3.322	(0.725)	3674	5.42176	1.084
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compound	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS DC-COLUMN (ug)	FINAL (ug/kg)
	20 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	21 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	4.993	4.352	(0.871)	27673	20.4816	9.896
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Carbon Tetrachloride	117	Compound Not Detected.					
	27 1,2-Dichloroethane	62	Compound Not Detected.					
	28 Benzene	78	Compound Not Detected.					
	29 Trichloroethene	130	Compound Not Detected.					
	30 1,2-Dichloropropane	63	Compound Not Detected.					
	31 Bromodichloromethane	83	Compound Not Detected.					
	34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	Compound Not Detected.					
	35 Toluene	91	Compound Not Detected.					
	36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	39 Tetrachloroethene	164	Compound Not Detected.					
	37 2-Hexanone	43	Compound Not Detected.					
	40 Dibromochloromethane	129	Compound Not Detected.					
	41 Chlorobenzene	112	Compound Not Detected.					
	42 Ethylbenzene	106	Compound Not Detected.					
	43 m + p-Xylene	106	Compound Not Detected.					
M	80 Xylene (total)	106	Compound Not Detected.					
	45 Styrene	104	Compound Not Detected.					
	44 Xylene-o	106	Compound Not Detected.					
	46 Bromoform	173	Compound Not Detected.					
	47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/ban/mnw/a3uc9.1/N009070-CLP.b/uc9804.d

Page 8

Date : 07-SEP-2000 09:07

Client ID: BLB1-6"

Instrument: a3uc9.1

Sample Info: B3R0K10T,,UG/BML

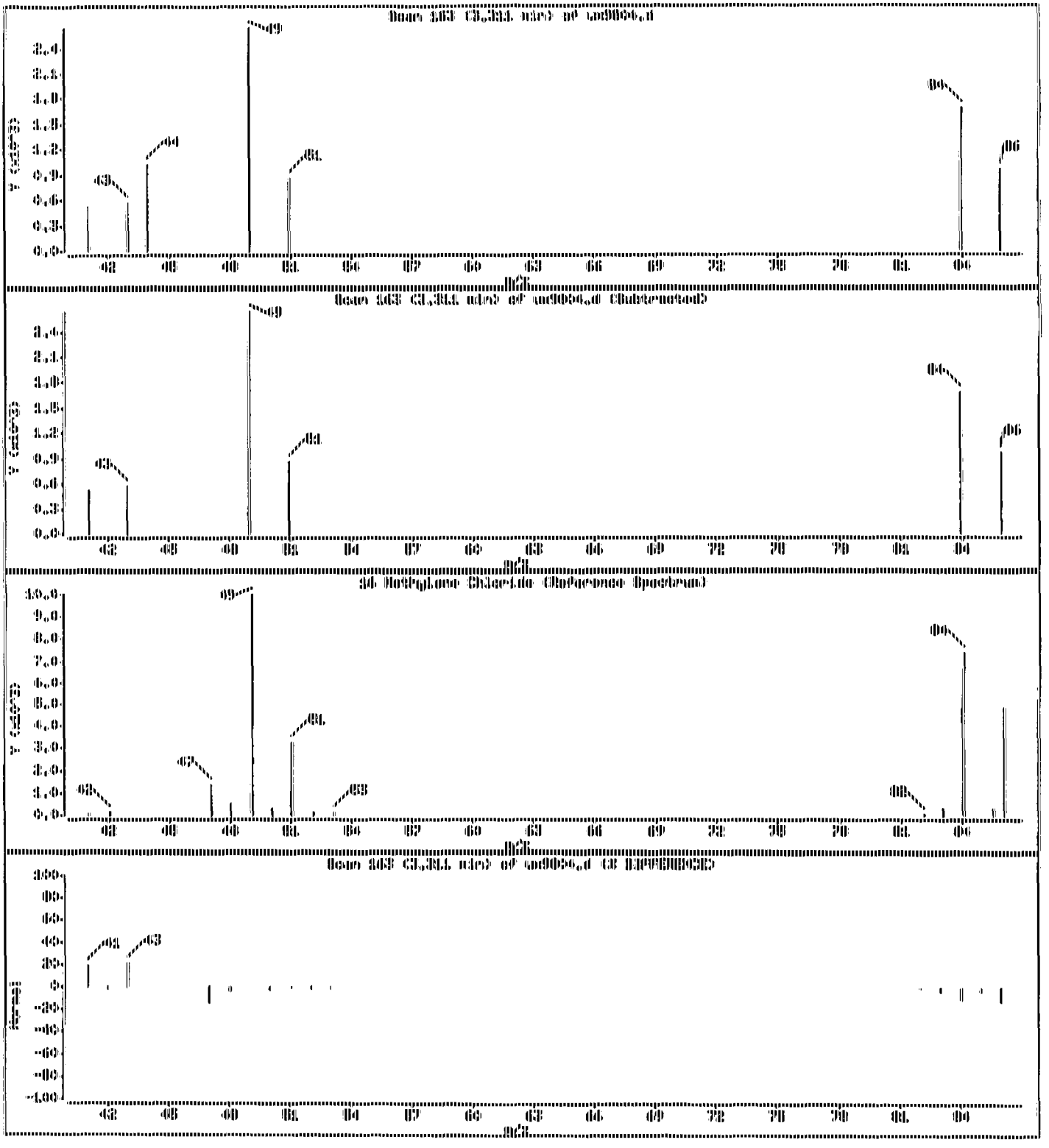
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.83

16 Methylene Chloride

Concentration: 1.006 UG/CG



Data File: /chem/car/msv/a3uc9.i/[illegible]-CLP.b/uc9804.d

Page 7

Date : 07-SEP-2000 09:57

Client ID: BLBL-4'

Instrument: a3uc9.i

Sample Info: [illegible]

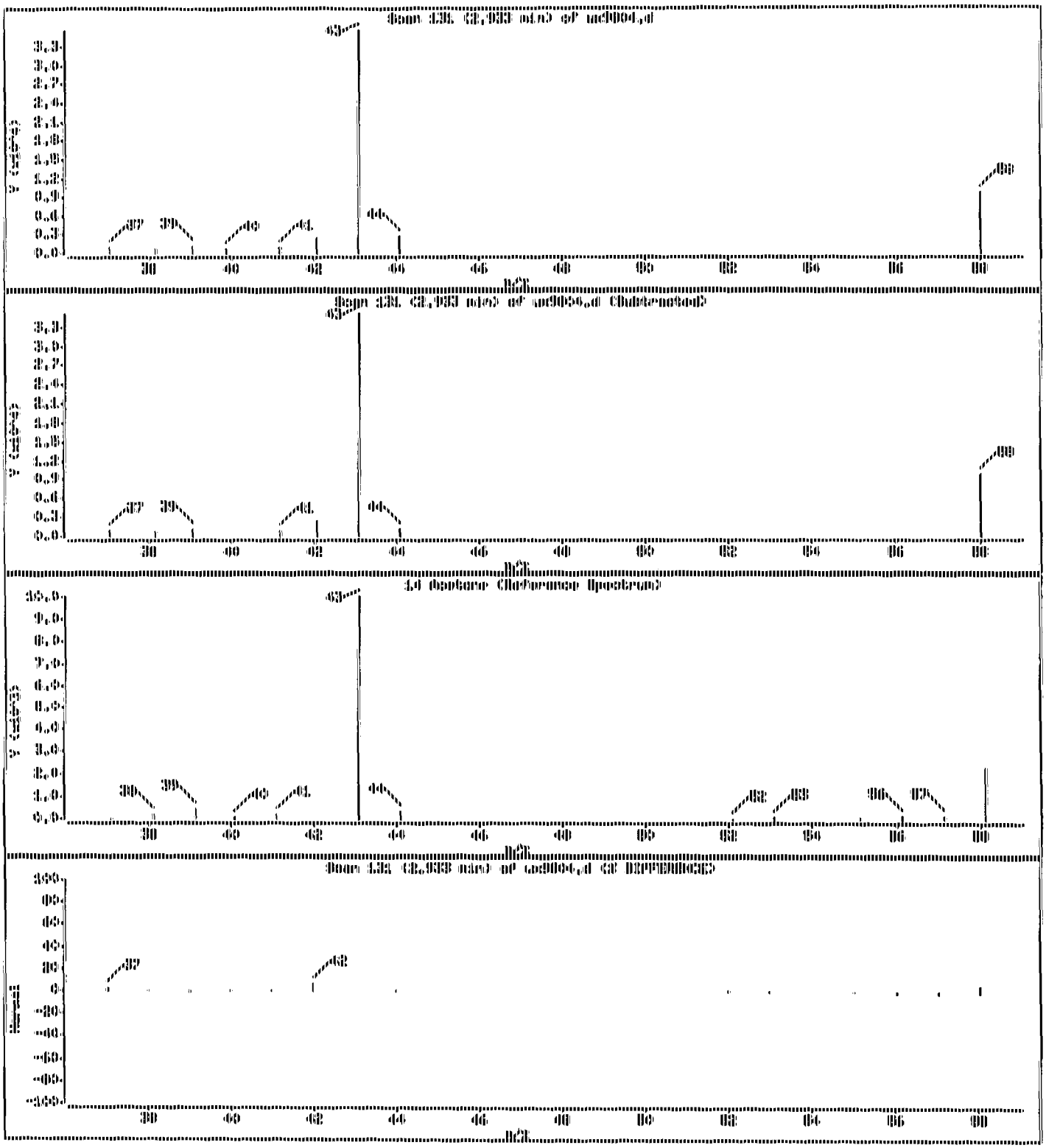
Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.53

14 Acetone

Concentration: [illegible] UG/KG



Data File: /chem/can/nov/a3uc9.i/M0090?h-CLP.b/uc9804.d

Page 9

Date : 07-SEP-2000 09:57

Client ID: BLBL-4'

Instrument: a3uc9.i

Sample Info: [illegible]

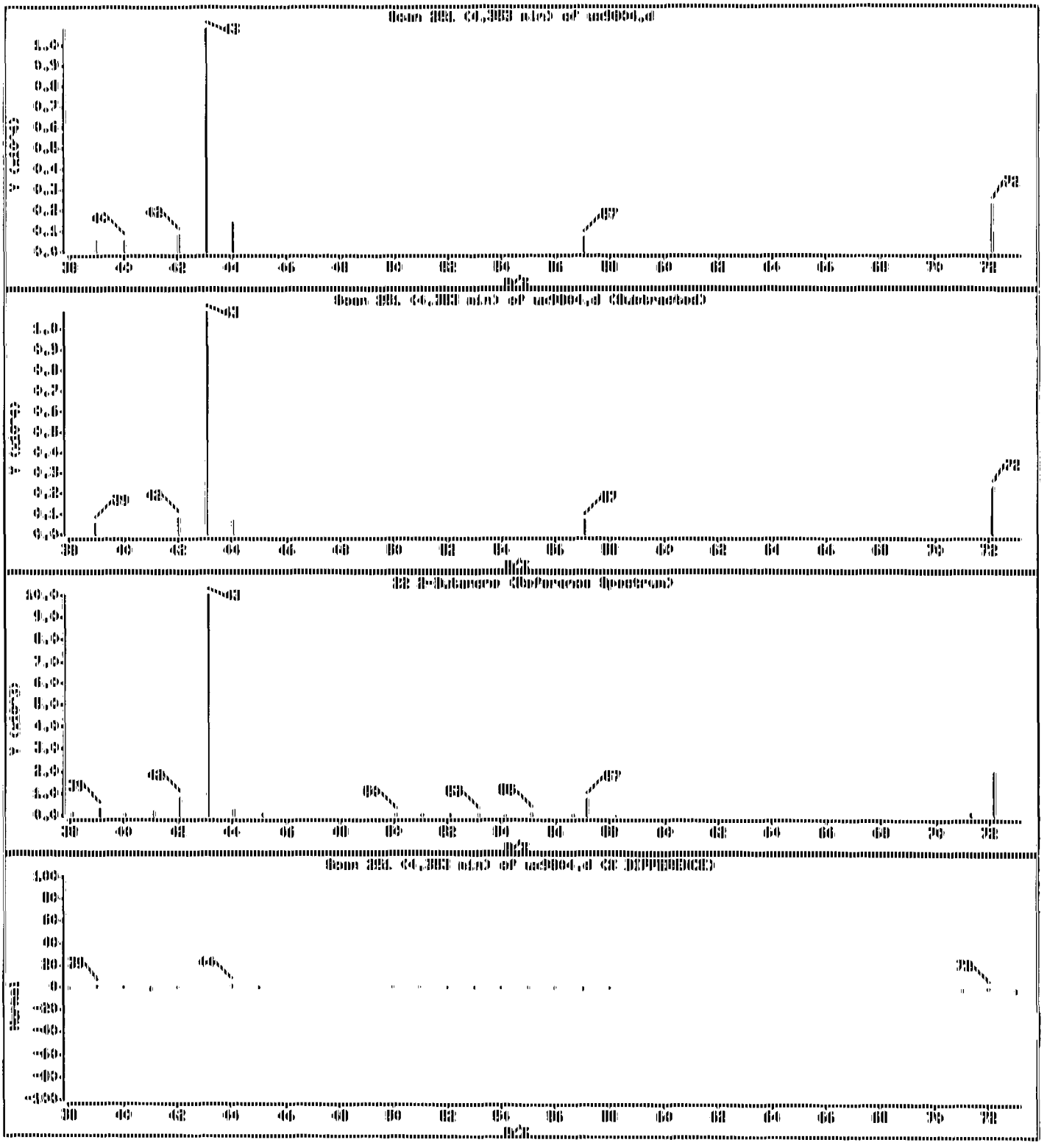
Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.[illegible]

22 2-Butanone

Concentration: [illegible] UG/KG



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNC20T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 27

QC Batch: 0252101

Client Sample Id: SL51-4' -RH 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene chloride	1.9	J B
67-64-1	Acetone	96	B
75-15-0	Carbon disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	19	
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNK20T Date Extracted: 09/07/00
Dilution factor: 1 Date Analysed: 09/07/00
Moisture %: 27

QC Batch: 0252101

Client Sample Id: SL51-4' -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylenes (total)	14	U

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNK20T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 27

QC Batch: 0252101

Client Sample Id: SL51-4' -RE 1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	11.075	11	

FORM I - TIC

Data File: [illegible]

Date : 07-SEP-2000 13:08

Client ID: [illegible]

Sample Info: [illegible]

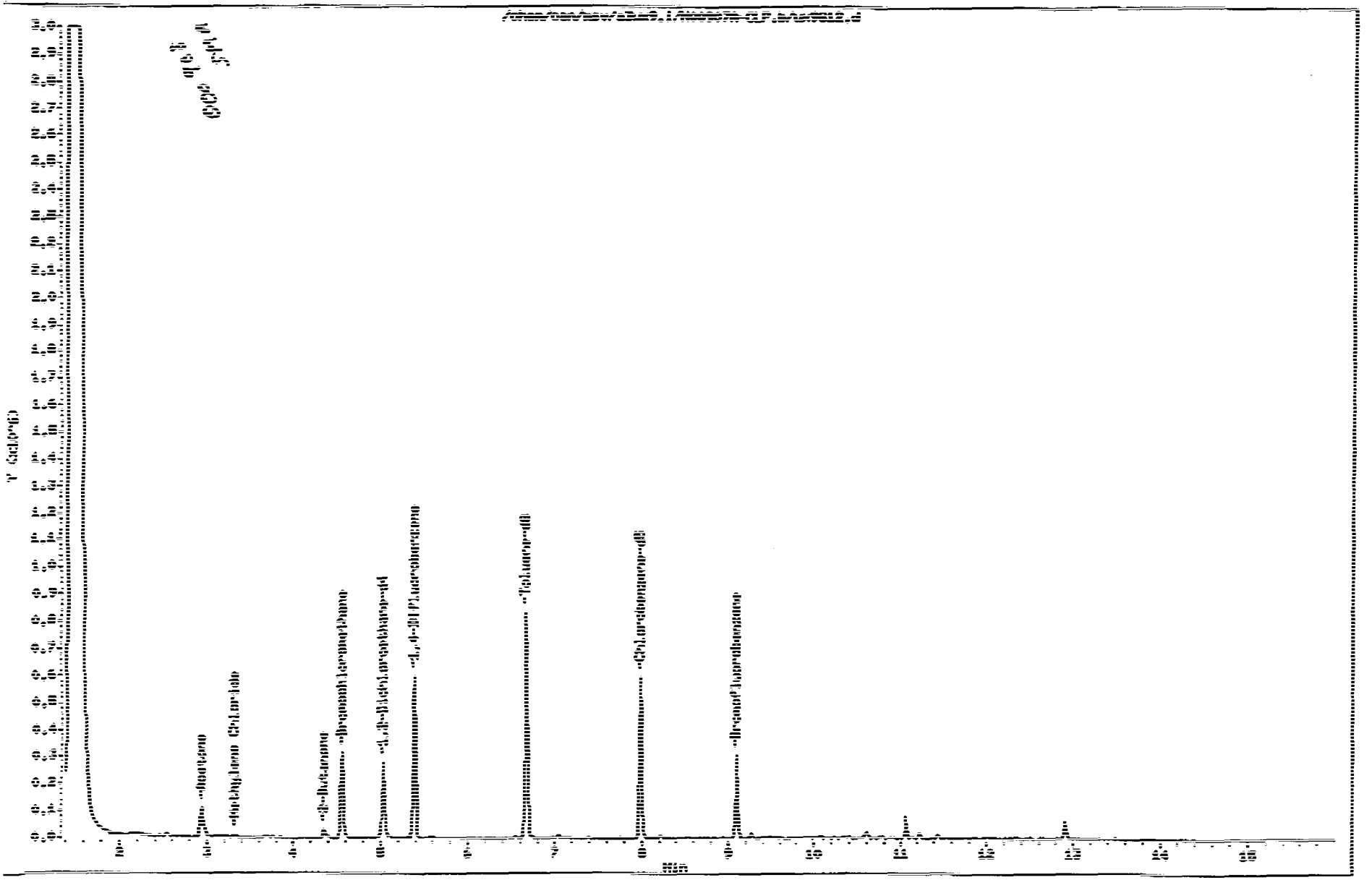
Column phase: [illegible]

Page 6

Instrument: [illegible]

Operator: [illegible]

Column diameter: [illegible]



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT 8W-846 Method

Data File : /chem/ca1/mrv/a3ua9.1/N009077A-CLP.b/ua9812.d
Lab Smp Id: D7RNK20T Client Smp ID: SL51-4'
Inj Date : 07-SEP-2000 13:08
Operator : 01819 Inst ID: a3ua9.1
Smp Info : D7RNK20T, 5G/5ML
Misc Info : UK9,N009077A-CLP,8240SCLPUK9,01819
Comment :
Method : /chem/ca1/mrv/a3ua9.1/N009077A-CLP.b/8240SCLPUK9.m
Meth Date : 08-Sep-2000 04:14 mcdaniel Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ua9796.d
Ale bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: lpuxca3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	26.99800	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	RRT	RT REF	RT	RESPONSE	CONCENTRATIONS ON-COLUMN C (ug)	FINAL (ug/kg)
1 Dichlorodifluoromethane	120	4.967	4.965	(1.000)		87017	250.000	
2 1,4-Difluorobenzene	114	9.395	9.393	(1.000)		537190	250.000	
3 Chlorobenzene-d5	117	7.906	7.905	(1.000)		369013	250.000	
4 1,2-Dichloroethane-d4	65	9.068	9.038	(1.104)		190736	257.300	70.493
5 Toluene-d8	98	6.673	6.671	(0.856)		576033	309.336	84.747
6 Bromofluorobenzene	95	9.090	9.097	(1.130)		111094	173.941	47.564
8 Chloromethane	50	Compound Not Detected.						
9 Vinyl Chloride	62	Compound Not Detected.						
10 Bromomethane	96	Compound Not Detected.						
11 Chloroethane	66	Compound Not Detected.						
15 1,1-Dichloroethene	96	Compound Not Detected.						
16 Acetone	43	2.969	2.952	(0.445)		227967	296.372	70.237
17 Carbon Disulfide	76	Compound Not Detected.						
18 Methylene Chloride	86	3.324	3.322	(0.786)		3662	5.17707	1.418
19 trans-1,2-Dichloroethene	96	Compound Not Detected.						

	Compound	Quant Ion Mass	RT min	RRT	Rel RT	Response	Concentrations On-Column (ng)	Final (ug/kg)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	87 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	21 1,1-Dichloroethene	63	Compound Not Detected.					
	22 2-Butanone	43	4.394	4.392	(0.993)	53110	49.7967	13.662
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Carbon Tetrachloride	117	Compound Not Detected.					
	27 1,2-Dichloroethane	62	Compound Not Detected.					
	28 Benzene	78	Compound Not Detected.					
	29 Trichloroethene	130	Compound Not Detected.					
	30 1,2-Dichloropropane	63	Compound Not Detected.					
	31 Bromodichloromethane	83	Compound Not Detected.					
	34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	Compound Not Detected.					
	35 Toluene	91	Compound Not Detected.					
	36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	39 Tetrachloroethene	166	Compound Not Detected.					
	37 2-Hexanone	43	Compound Not Detected.					
	40 Dibromochloromethane	129	Compound Not Detected.					
	41 Chlorobenzene	112	Compound Not Detected.					
	42 Ethylbenzene	106	Compound Not Detected.					
	43 m + p-Xylene	106	Compound Not Detected.					
M	80 Xylenes (total)	106	Compound Not Detected.					
	45 Styrene	104	Compound Not Detected.					
	44 Xylene-o	106	Compound Not Detected.					
	46 Bromoform	173	Compound Not Detected.					
	47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/cam/msw/a3uc9.1/M00907n-CLP.b/wd9812.d

Page 8

Date : 07-SEP-2000 13:00

Client ID: BLR-4'

Instrument: h3uc9.1

Sample Info: 33RMC207,,BS/BML

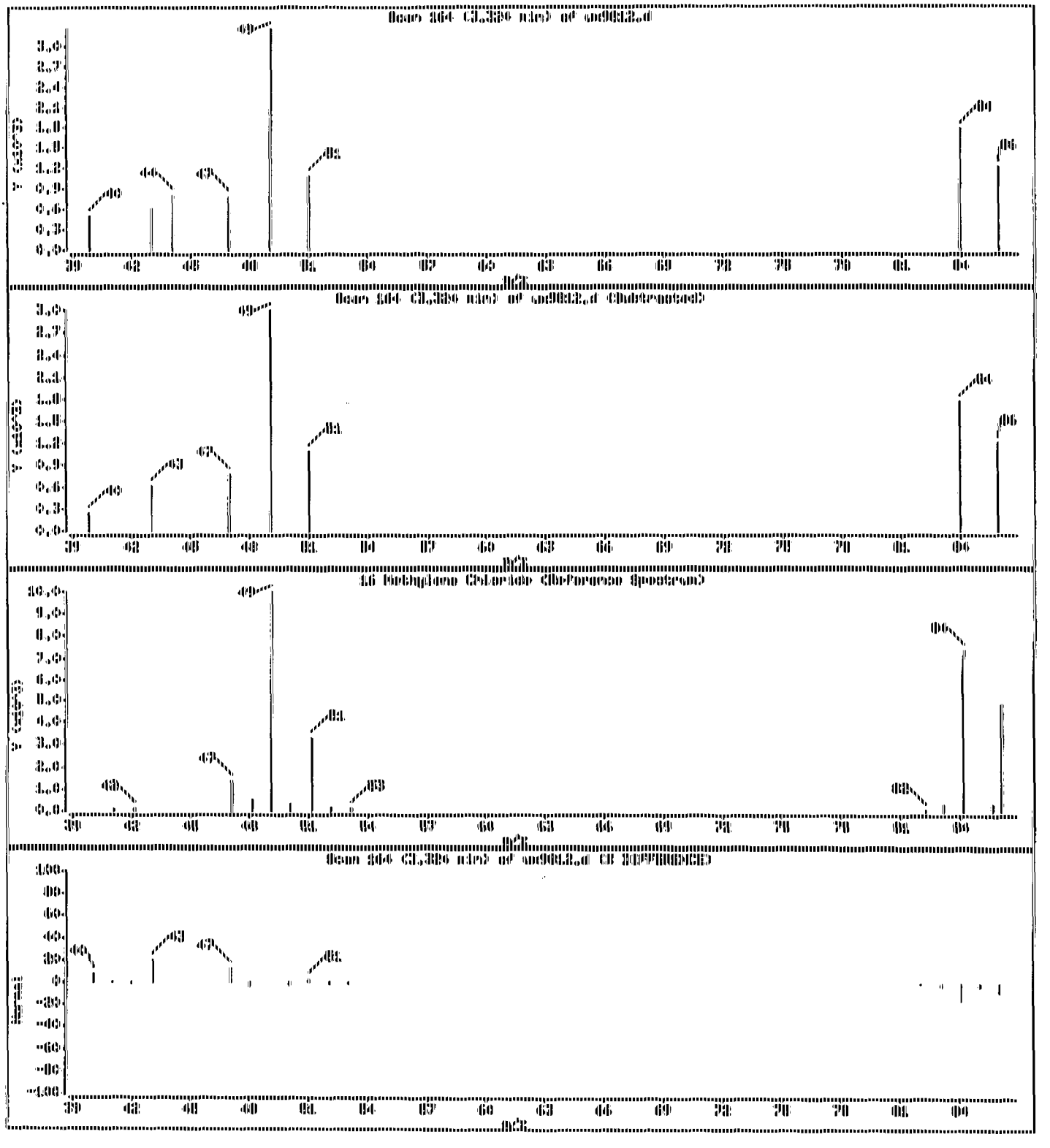
Operator: 01019

Column phase: RTX-502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.410 UG/KG



Data File: /chem/can/msv/a3wd9.1/N009070-CLP.b/wd9812.d

Page 7

Date : 07-SEP-2000 13:00

Client ID: [illegible]

Instrument: a3wd9.1

Sample Info: [illegible]

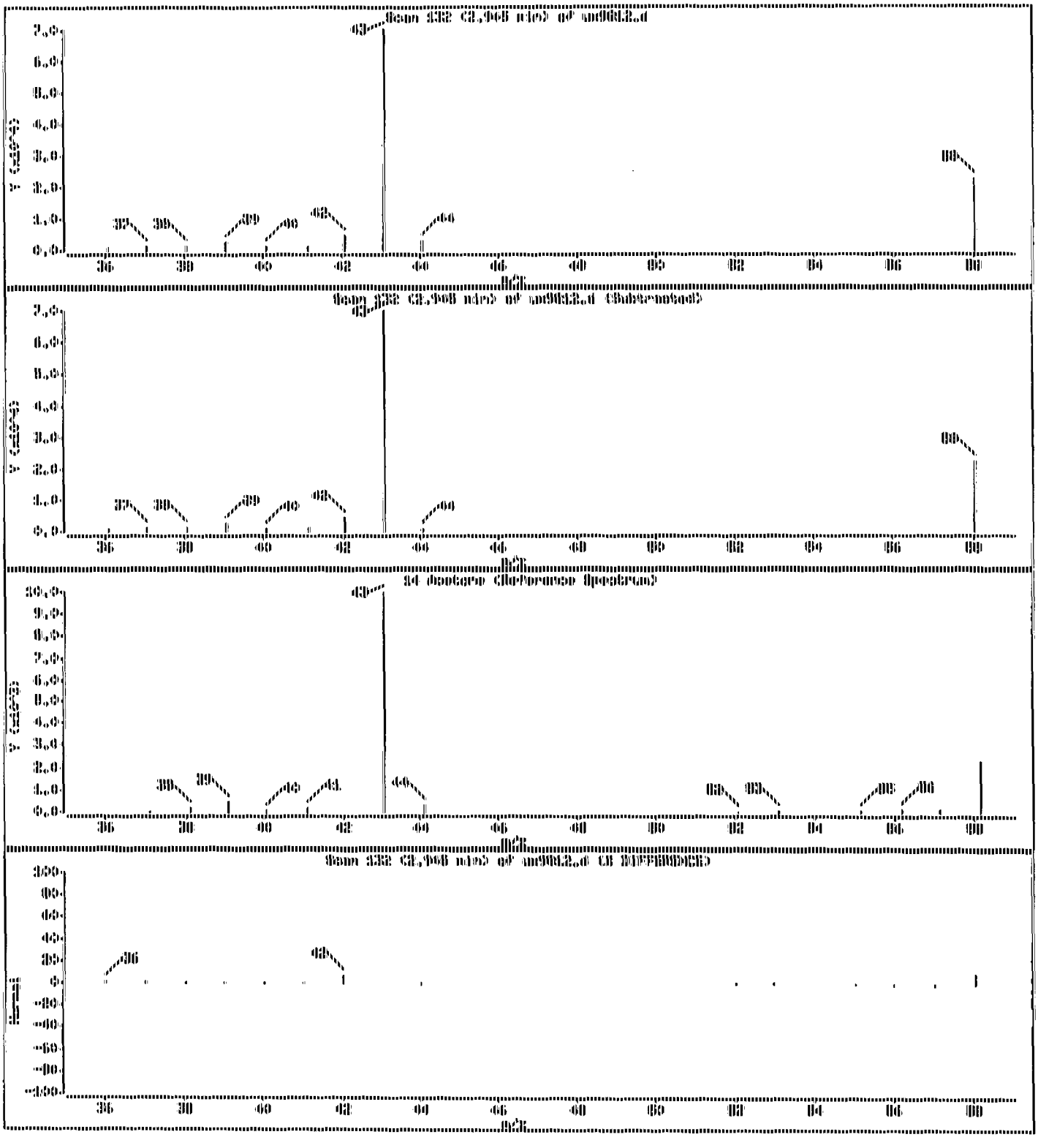
Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.[illegible]

14 Acetone

Concentration: 70,237 UG/KG



Data File: /chem/ccm/nav/a3ux9.i/M009970-CLP.b/ux9812.d

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Date : 07-SEP-2000 13:00

Client ID: [illegible]

Instrument: a3ux9.i

Sample Info: [illegible]

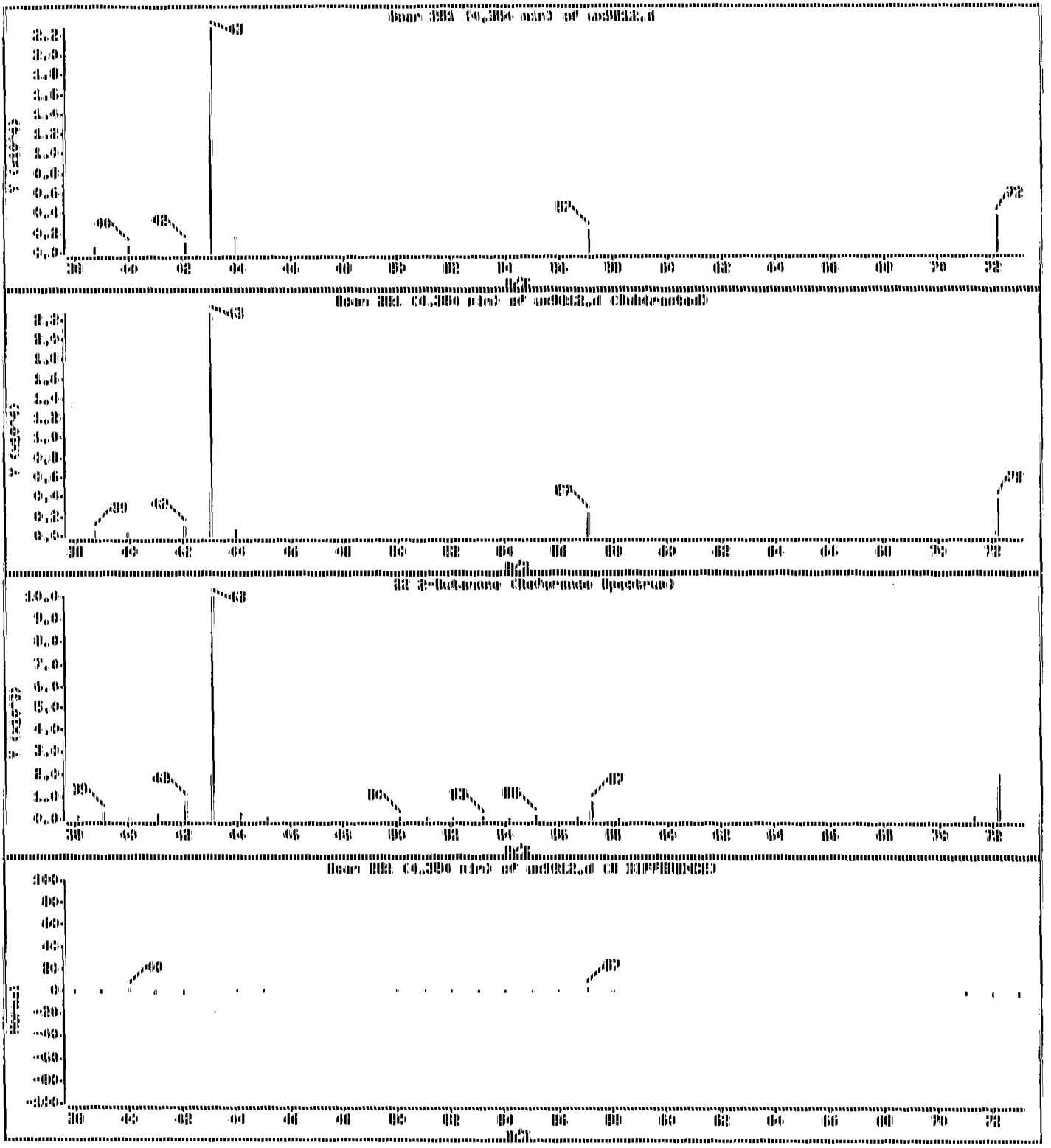
Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.53

22 2-Butanone

Concentration: [illegible] UG/KG



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9812.d
Lab Smp Id: DJRNK20T Client Smp ID: SL51-4'
Inj Date : 07-SEP-2000 13:08
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNK20T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	26.99800	Percent Moisture

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 3 Chlorobenzene-d5	7.986	1138440	250.000

RT	AREA	CONCENTRATION OH-COL(ng)	FINAL(UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.075	136566	29.9896223	8.216	0		0	5

Data File: /chem/ear/nav/a3uc9.i/M50907h-CLP.b/w9812.d

Page 1

Date : 07-SEP-2000 13:00

Client ID: BL81-4'

Instrument: a3uc9.i

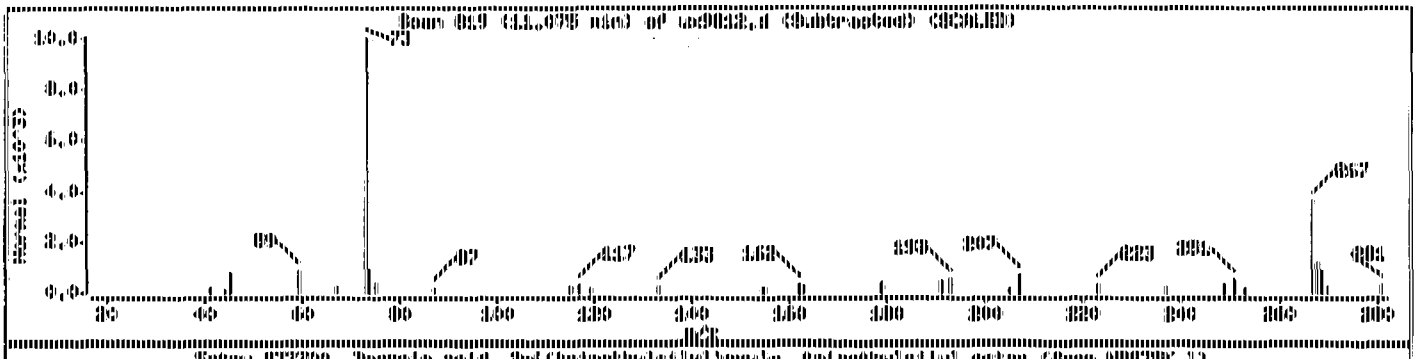
Sample Info: 33RNC207,,05/BM.

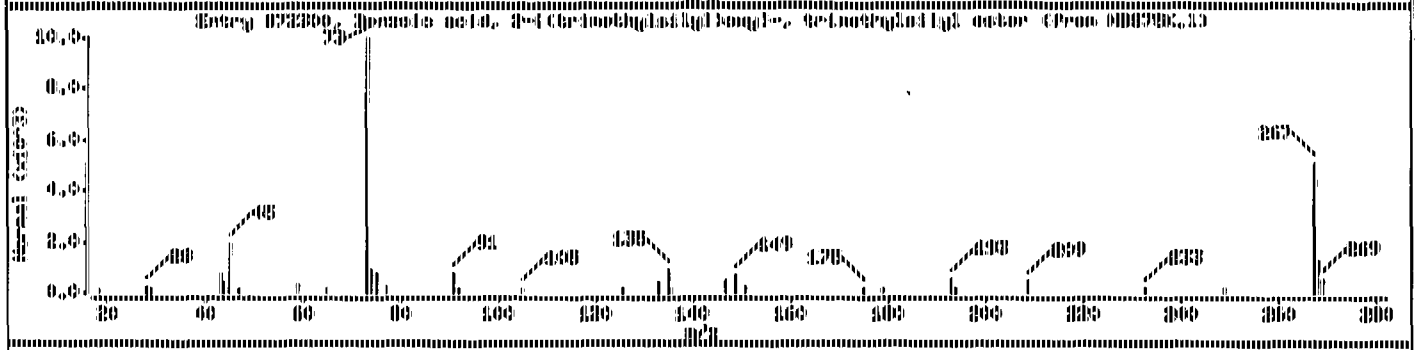
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.83

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3709-05-3	NBS75K.1	72300	80	C13H22O3S12	282





RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01240

Matrix: (soil/water) SO Lab Sample ID: A0I010240 005
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRMM10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 35

QC Batch: 0252101

Client Sample Id: SL52-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	2.8	J
74-83-9	Bromomethane	15	U
75-01-4	Vinyl chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene chloride	15	U
67-64-1	Acetone	22	B
75-15-0	Carbon disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	6.1	J
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 005
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNM107 Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 35

QC Batch: 0252101

Client Sample Id: SL52-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylenes (total)	15	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01240

Matrix: (soil/water) SO Lab Sample ID: A0I010240 005
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNM10T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 35

QC Batch: 0252101

Client Sample Id: SL52-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: [illegible]

Date : [illegible]

Client ID: [illegible]

Sample Info: [illegible]

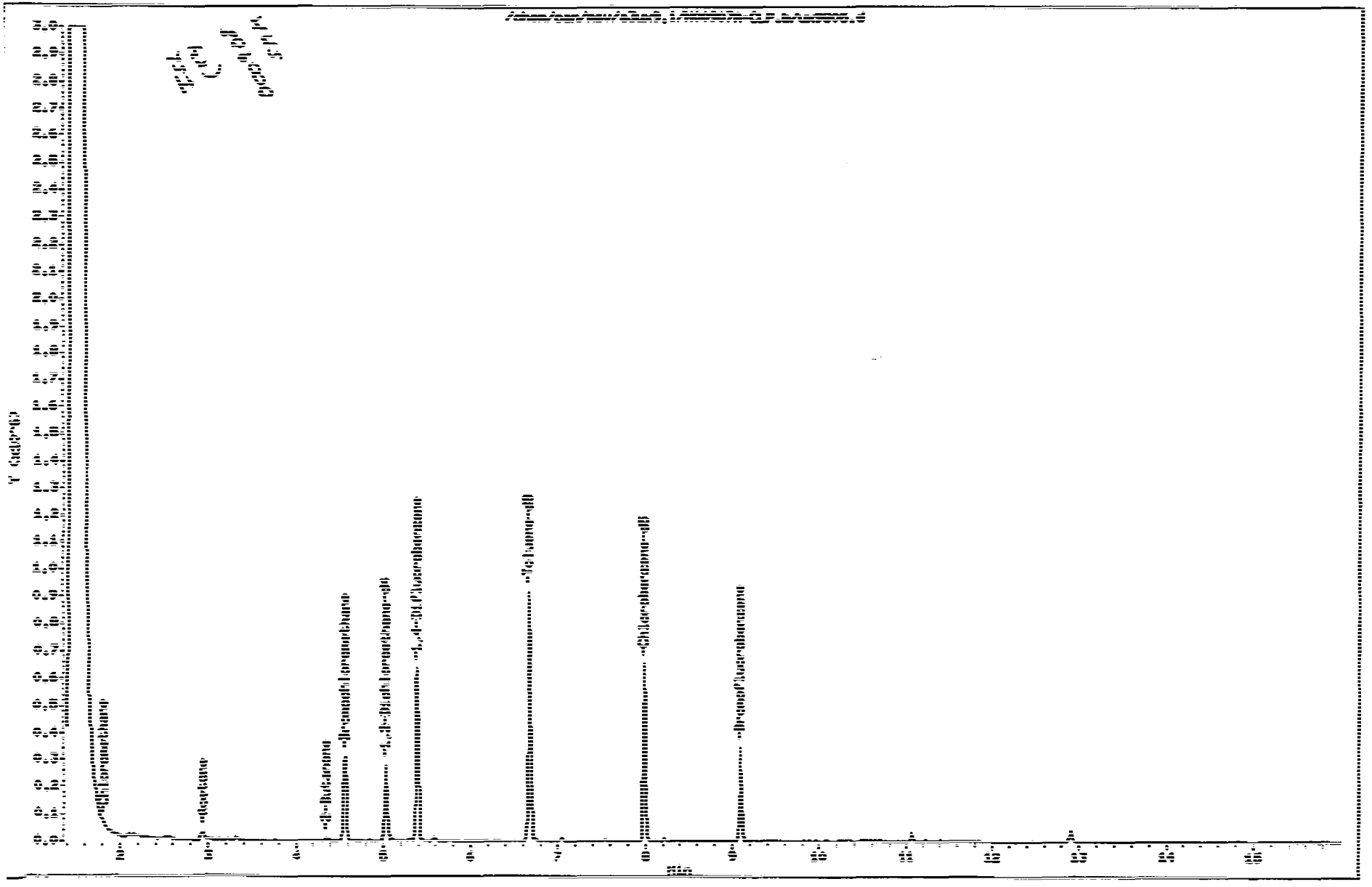
Column phase: [illegible]

Instrument: [illegible]

Operator: [illegible]

Column diameter: 0.53

Page 6



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9805.d
Lab Smp Id: DJRNM10T Client Smp ID: SL52-6"
Inj Date : 07-SEP-2000 10:20
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNM10T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.566	4.565	(1.000)	89775	250.000	
* 2 1,4-Difluorobenzene	114	5.395	5.393	(1.000)	581759	250.000	
* 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	395622	250.000	
$ 4 1,2-Dichloroethane-d6	65	5.040	5.038	(1.104)	195511	255.646	51.129
$ 5 Toluene-d8	98	6.673	6.671	(0.836)	618063	304.652	60.930
$ 6 Bromofluorobenzene	95	9.098	9.097	(1.139)	128517	184.531	36.906
8 Chloromethane	50	1.809	1.784	(0.396)	7767	9.01663	1.803
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
15 1,1-Dichloroethane	96	Compound Not Detected.					
14 Acetone	43	2.965	2.952	(0.665)	65305	71.1060	14.237
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
22 2-Butanone	43	4.353	4.352	(0.953)	14799	13.4469	2.689
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
28 Benzene	78	Compound Not Detected.					
29 Trichloroethene	130	Compound Not Detected.					
30 1,2-Dichloropropane	63	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
35 Toluene	91	Compound Not Detected.					
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
39 Tetrachloroethene	166	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
41 Chlorobenzene	112	Compound Not Detected.					
42 Ethylbenzene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
M 80 Xylenes (total)	106	Compound Not Detected.					
45 Styrene	104	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/can/nav/a3.m9.i/N00907A-CLP.b/ms9808.d

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Date : 07-SEP-2000 10:20

Client ID: SLB2-4*

Instrument: a3.m9.i

Sample Info: DJRFPL07,,BG/BL

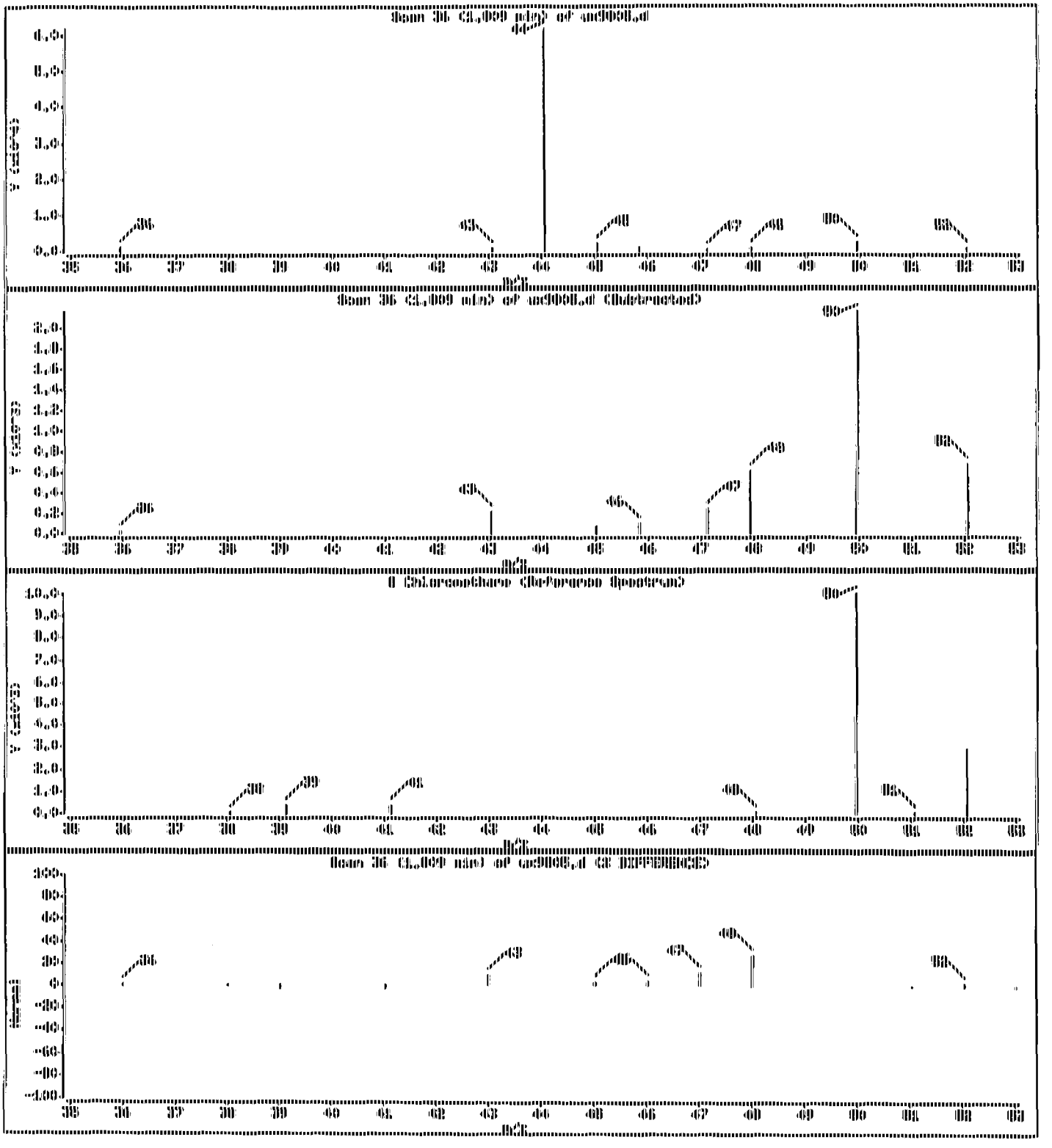
Operator: CLB19

Column phase: RTX502.2

Column diameter: 0.53

8 Chloromethane

Concentration: 1.003 UG/MG



Data File: /chem/ocm/msv/a3uc9.1/MCC907A-CLP.b/uc9008.d

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Date : 07-SEP-2000 10:20

Client ID: SL02-6"

Instrument: a3uc9.1

Sample Info: [illegible]

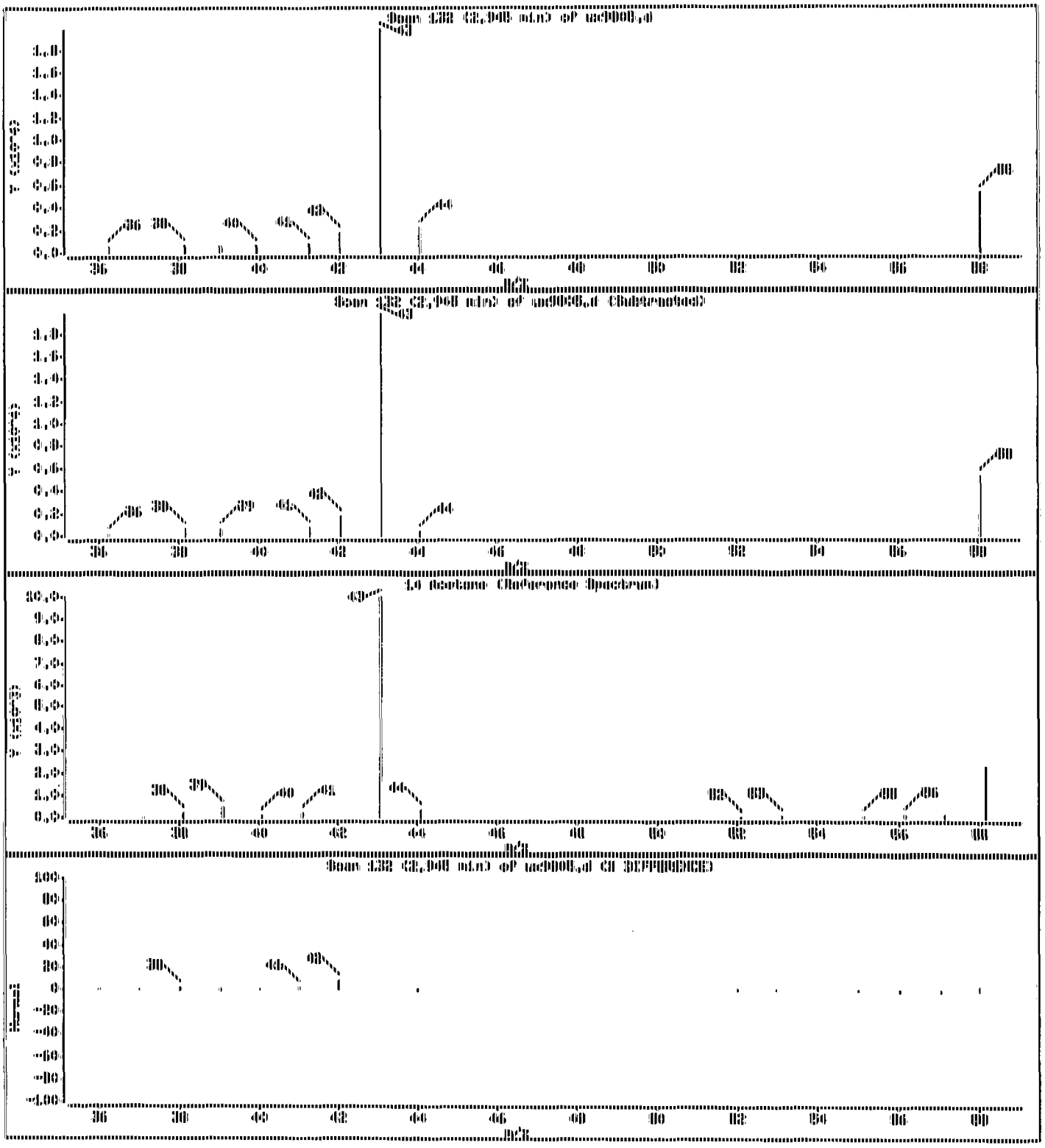
Operator: [illegible]

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 14.237 UG/MG



Data File: /chem/can/nav/a3.m9.1/N009070-CLP.b/ac9808.d

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Date : 07-SEP-2000 10:20

Client ID: SL82-6"

Instrument: a3.m9.1

Sample Info: BJRNN107,,BG/SM.

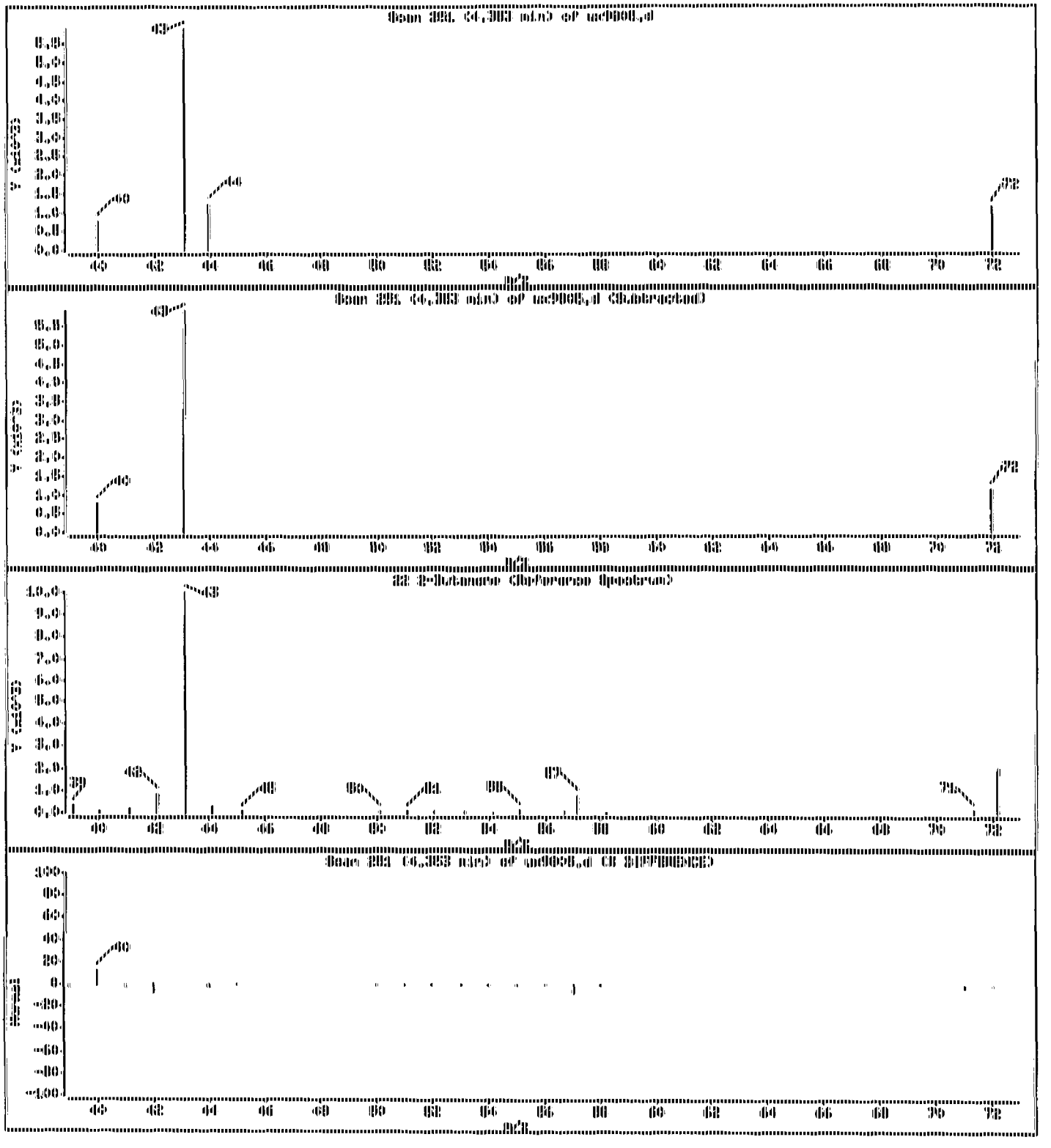
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 2.609 UG/M3



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01348

Matrix: (soil/water) SO Lab Sample ID: AOI010348 005
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRMM20T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 35

QC Batch: 0252101

Client Sample Id: SL52-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	5.2	J
74-83-9	Bromomethane	15	U
75-01-4	Vinyl chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene chloride	3.4	J B
67-64-1	Acetone	41	B
75-15-0	Carbon disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	9.0	J
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 005
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRRM20T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analysed: 09/07/00
Moisture %: 35

QC Batch: 0252101

Client Sample Id: SL52-6" -RB 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylenes (total)	15	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 005
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRRM20T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture 0:35

QC Batch: 0252101

Client Sample Id: SL52-6" -RE 1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	11.076	16	

FORM I - TIC

Chloroethane
Methylene Chloride
2-Butanone
Trichloroethene
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d5
Dichlorobenzene

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9813.d Page 1
Report Date: 08-Sep-2000 04:18

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9813.d
Lab Smp Id: DJRNM20T Client Smp ID: SL52-6"
Inj Date : 07-SEP-2000 13:30
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNM20T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	34.65000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.568	4.565	(1.000)	91708	250.000	
* 2 1,4-Difluorobenzene	114	5.396	5.393	(1.000)	618605	250.000	
* 3 Chlorobenzene-d5	117	7.987	7.985	(1.000)	410678	250.000	
$ 4 1,2-Dichloroethane-d6	65	5.029	5.038	(1.101)	205524	263.075	80.512
$ 5 Toluene-d8	98	6.674	6.671	(0.836)	671166	317.088	97.063
$ 6 Bromofluorobenzene	95	9.100	9.097	(1.139)	130220	179.211	54.866
8 Chloromethane	50	1.799	1.784	(0.394)	9866	11.1892	3.426
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
13 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.947	2.952	(0.645)	82999	88.5666	27.105
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	3.313	3.322	(0.725)	5370	7.24294	2.217
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/MG)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
21 1,1-Dichloroethene	63	Compound Not Detected.					
22 2-Butanone	43	4.395	4.352	(0.953)	21685	19.2884	5.903
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
28 Benzene	78	Compound Not Detected.					
29 Trichloroethene	130	Compound Not Detected.					
30 1,2-Dichloropropane	63	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
35 Toluene	91	Compound Not Detected.					
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
39 Tetrachloroethene	164	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
41 Chlorobenzene	112	Compound Not Detected.					
42 Ethylbenzene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
M 80 Xylenes (total)	106	Compound Not Detected.					
45 Styrene	104	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9813.d

Page 7

Date : 07-SEP-2000 13:30

Client ID: SL82-6'

Instrument: a3ux9.i

Sample Info: DJRNM207,,BG/SML

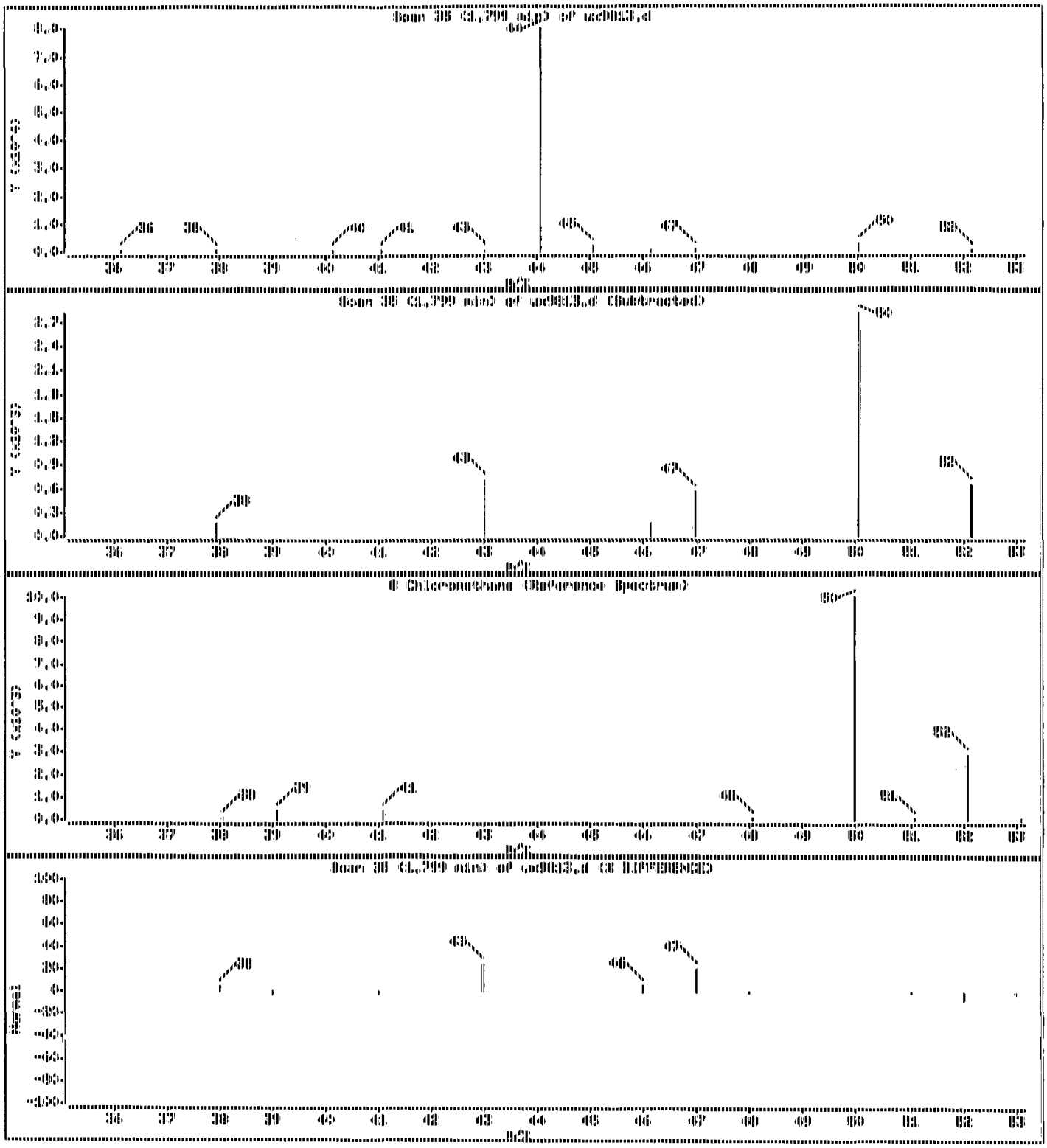
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

8 Chloromethane

Concentration: 3.424 UG/KG



Data File: /chem/can/msv/a3uc9.1/M009070-CLP.b/uc9813.d

Page 9

Date : 07-SEP-2000 13:30

Client ID: SL82-6*

Instrument: a3uc9.1

Sample Info: BJRM4207,,BG/SM1

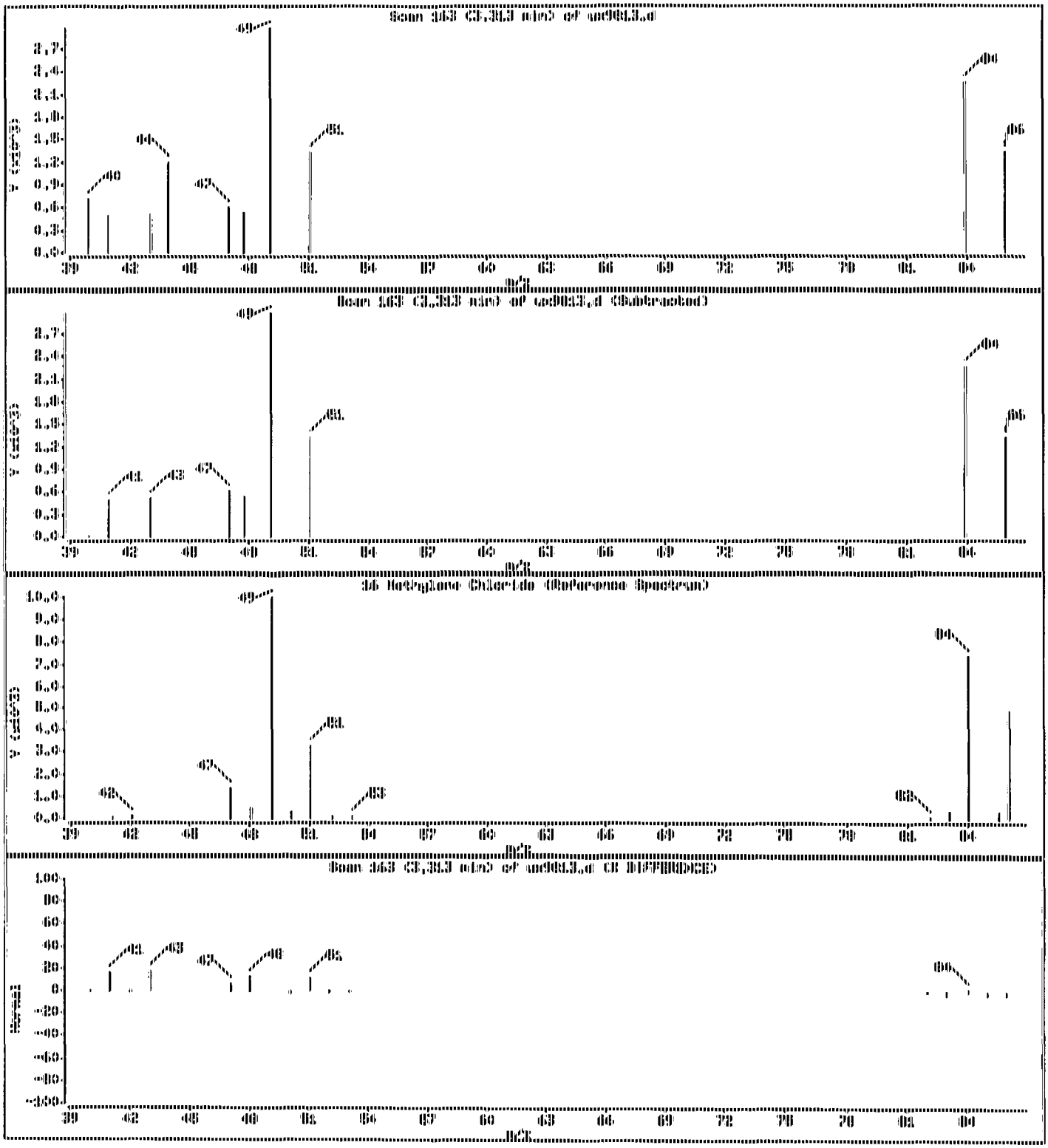
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.83

16 Methylene Chloride

Concentration: 2.217 UG/KG



Data File: /chem/ban/msv/s3wc9.1/M009070-CLP.b/wc9813.d

Page 9

Date : 07-SEP-2000 13:30

Client ID: BL52-6"

Instrument: s3wc9.1

Sample Info: [illegible]

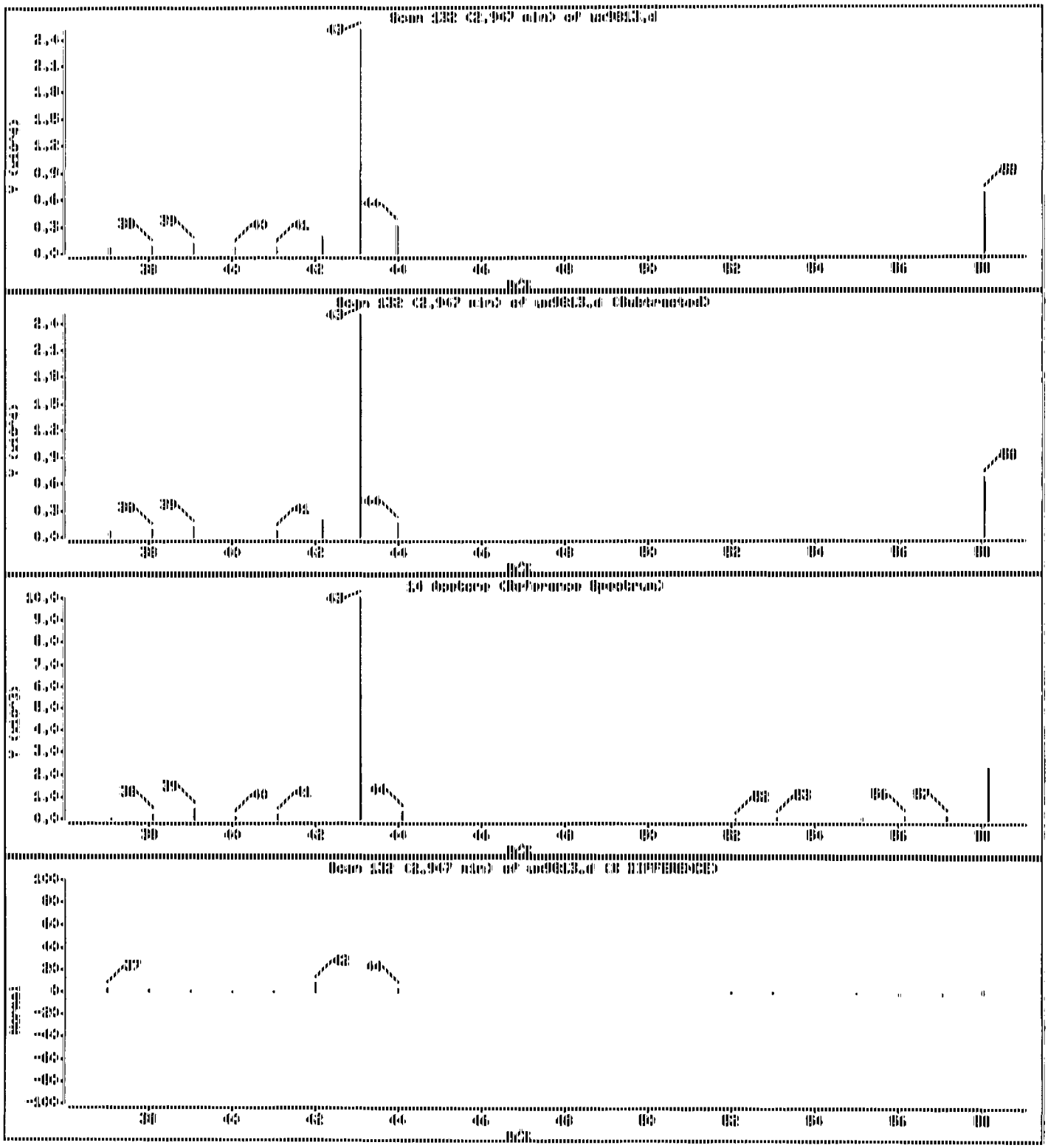
Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.53

14 Acetone

Concentration: 27.105 UG/OC



Data File: /chem/can/msv/a3wd9.1/N009070-CLP.b/wd9813.d

Page 10

Date : 07-SEP-2000 13:30

Client ID: SL82-6"

Instrument: a3wd9.1

Sample Info: BJRNH20T,,BG/SML

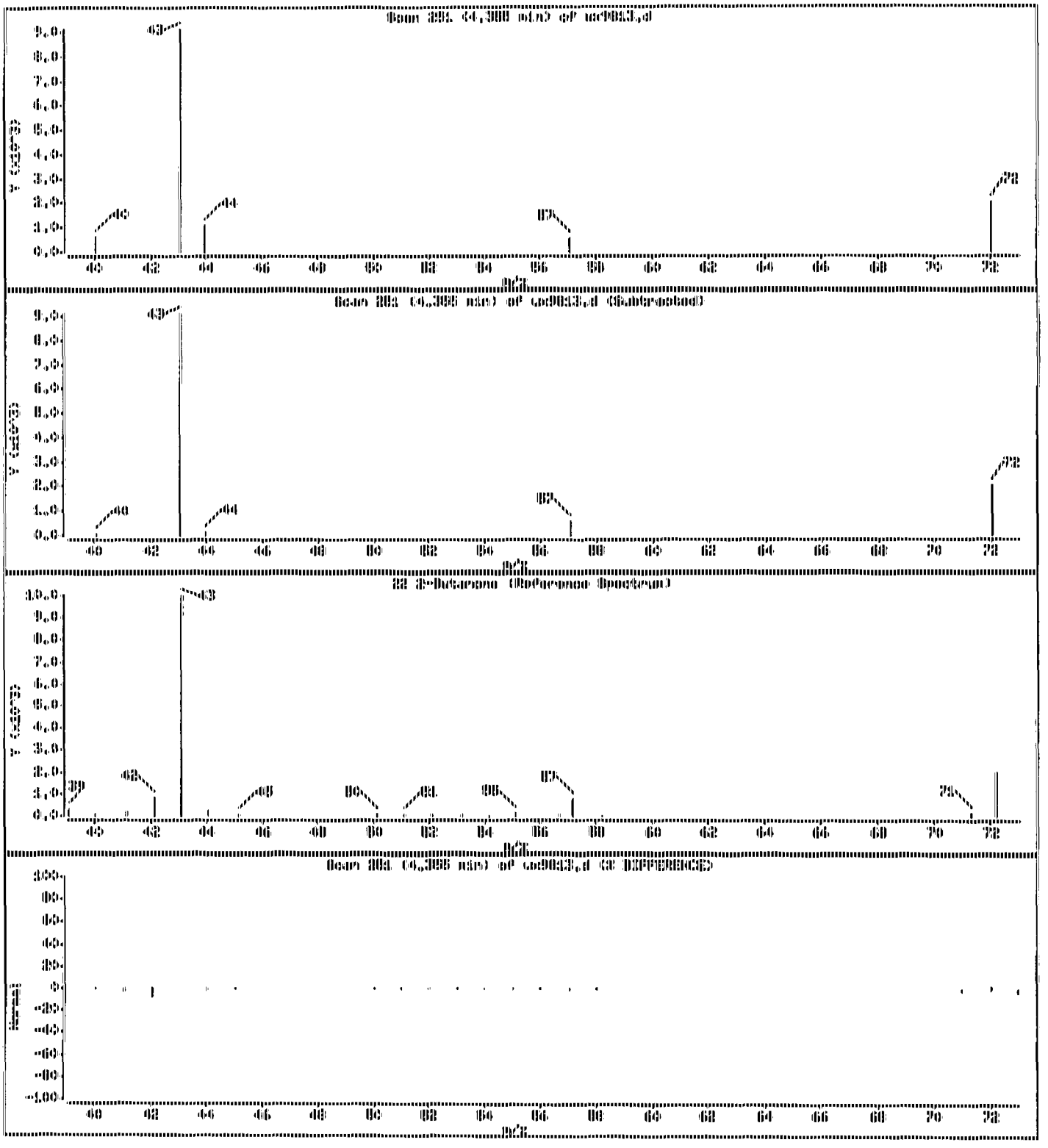
Operator: CLB19

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 5.903 UG/KG



Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9813.d Page 1
Report Date: 08-Sep-2000 04:50

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9813.d
Lab Smp Id: DJRNM20T Client Smp ID: SL52-6"
Inj Date : 07-SEP-2000 13:30
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNM20T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	34.65000	Percent Moisture

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 3 Chlorobenzene-d5	7.987	1312705	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	CV-COL(ng)	FINAL(UG/KG)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.076	175995	35.5172936	10.250	0		0	3

Data File: /chem/can/msw/a3uw9.i/NOC9078-CLP.b/uw9813.d

Page 3

Date : 07-SEP-2000 13:30

Client ID: BL52-6"

Instrument: a3uw9.i

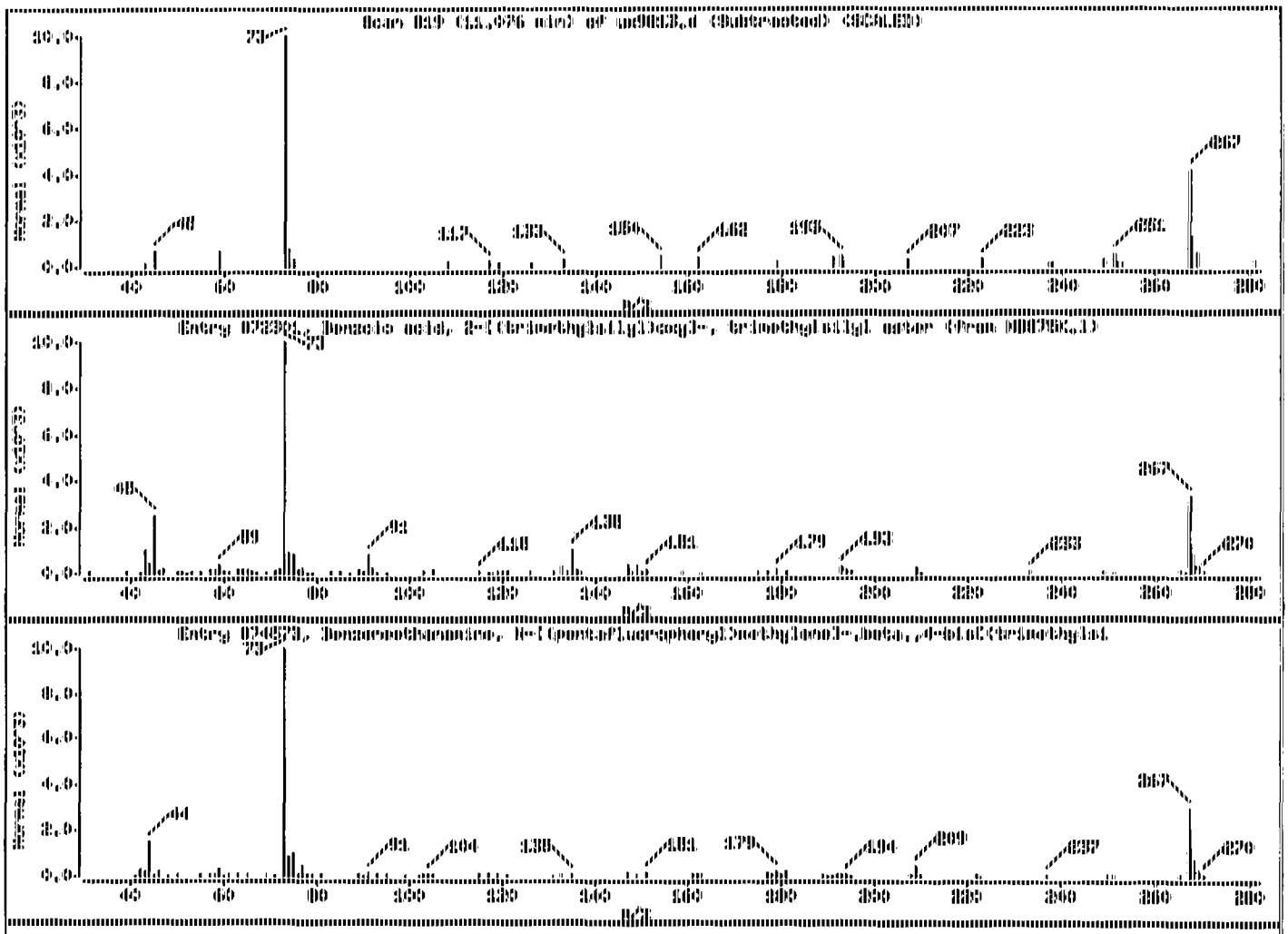
Sample Info: [illegible]

Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	NBS75K.I	72301	64	C13H22O3Si2	282
Benzenethanamine, N-[(pentafluorophenyl	55629-45-1	NBS75K.I	74573	39	C21H26F5NO2Si	475



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 006
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNN10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 21

QC Batch: 0252101

Client Sample Id: SL52-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	1.8	J B
67-64-1	Acetone	37	B
75-15-0	Carbon disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	5.8	J
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: AOI010248 006
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNN10T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 21

QC Batch: 0252101

Client Sample Id: SL52-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylenes (total)	13	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 006
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNN10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 21

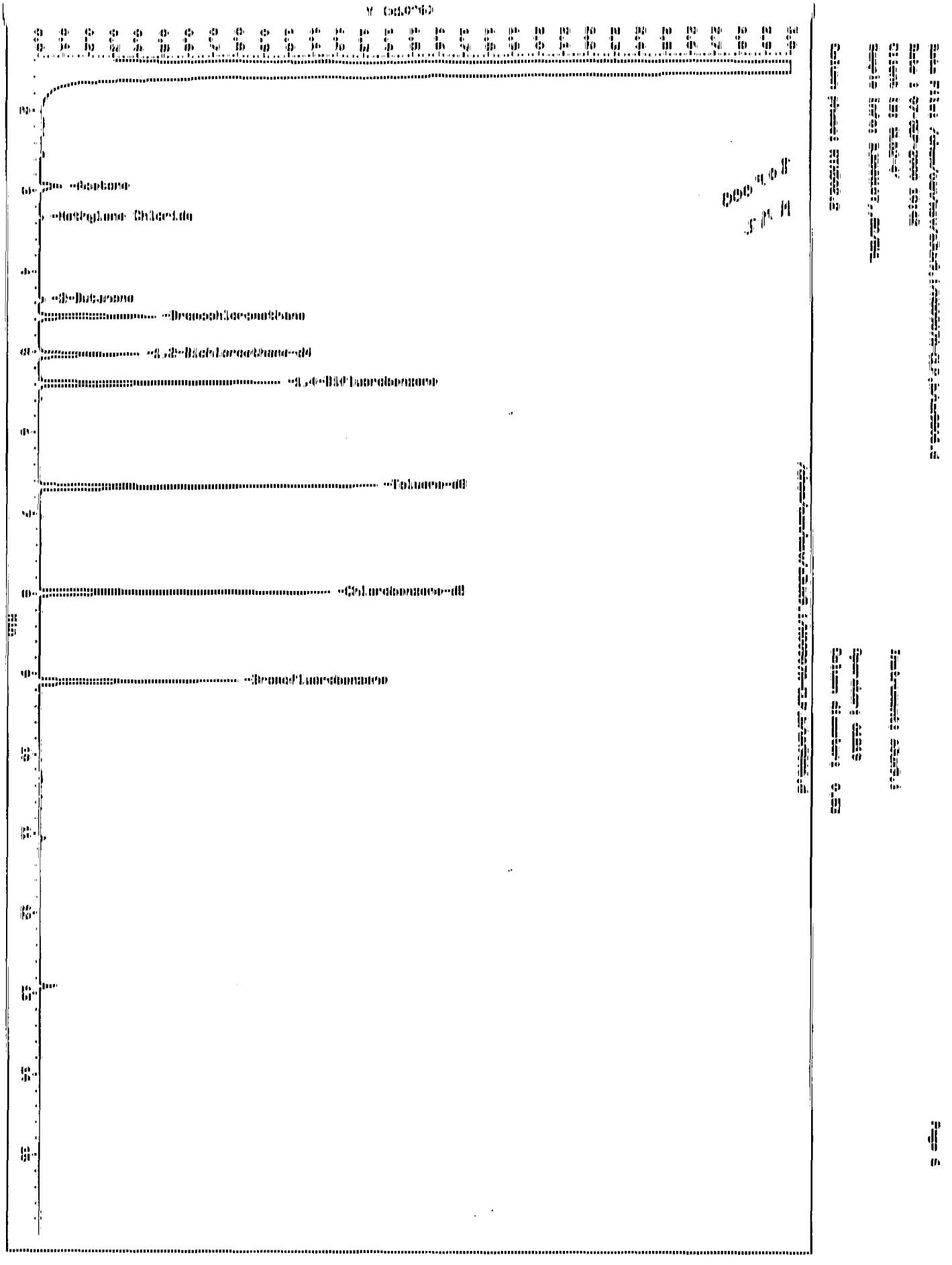
QC Batch: 0252101

Client Sample Id: SL52-4'

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC


Acetone
Methylene Chloride
2-Butanone
Bromochloromethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d8
Bromofluorobenzene
Page 6

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9806.d
Lab Smp Id: DJRNN10T Client Smp ID: SL52-4'
Inj Date : 07-SEP-2000 10:42
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNN10T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.564	4.565	(1.000)	127561	250.000	
* 2 1,4-Difluorobenzene	114	5.392	5.393	(1.000)	859860	250.000	
* 3 Chlorobenzene-d5	117	7.984	7.985	(1.000)	729878	250.000	
$ 4 1,2-Dichloroethane-d6	65	5.037	5.038	(1.104)	279519	257.228	51.446
$ 5 Toluene-d8	98	6.670	6.671	(0.835)	958152	254.711	50.942
$ 6 Bromofluorobenzene	95	9.096	9.097	(1.139)	278087	215.337	43.067
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.963	2.952	(0.645)	189845	145.641	29.128
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.310	3.322	(0.725)	7178	6.96039	1.392
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT ION 9689	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS CONCLUDE (ug)	FINAL (UG/KG)
33 cis-1,2-Dichloroethene	96	Compound Not Detected.					
10 34 1,2-Dichloroethene (total)	96	Compound Not Detected.					
35 1,1-Dichloroethane	63	Compound Not Detected.					
32 2-Butanone	43	4.391	4.393	(0.993)	35673	22.8122	6.562
36 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
37 1,2-Dichloroethane	62	Compound Not Detected.					
38 Benzene	78	Compound Not Detected.					
39 Trichloroethene	130	Compound Not Detected.					
40 1,2-Dichloropropane	63	Compound Not Detected.					
41 Bromodichloromethane	83	Compound Not Detected.					
42 cis-1,3-Dichloropropene	75	Compound Not Detected.					
43 4-Methyl-2-pentanone	58	Compound Not Detected.					
44 Toluene	91	Compound Not Detected.					
45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
46 1,1,2-Trichloroethane	97	Compound Not Detected.					
47 Tetrachloroethene	166	Compound Not Detected.					
48 2-Hexanone	43	Compound Not Detected.					
49 Dibromochloromethane	129	Compound Not Detected.					
50 Chlorobenzene	112	Compound Not Detected.					
51 Ethylbenzene	106	Compound Not Detected.					
52 m + p-Xylene	106	Compound Not Detected.					
10 53 Xylene (total)	106	Compound Not Detected.					
54 Styrene	104	Compound Not Detected.					
55 Xylene-o	106	Compound Not Detected.					
56 Bromoform	173	Compound Not Detected.					
57 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/oar/nov/a3uc9.1/N009070-CLP.b/uc9006.d

Page 8

Date : 07-SEP-2000 10:42

Client ID: BLS2-4'

Instrument: a3uc9.1

Sample Info: [illegible]

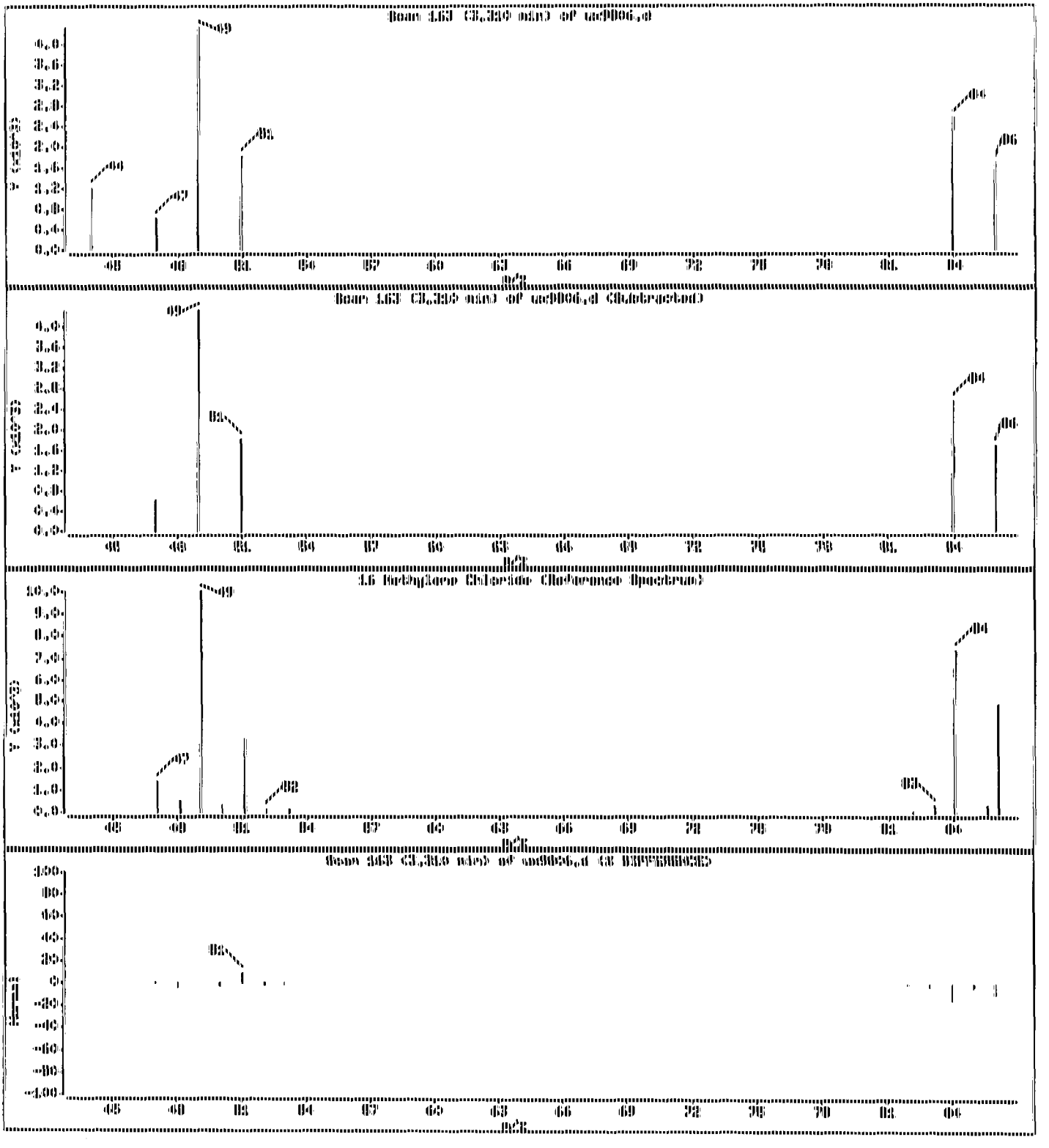
Operator: [illegible]

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.392 UG/MG



Data File: /[illegible]/[illegible]/[illegible]/[illegible]/[illegible]/[illegible]-CLP,[illegible]/[illegible]9006.d

Page 7

Date : 07-SEP-2000 10:42

Client ID: SL82-4'

Instrument: a3ua9.i

Sample Info: [illegible]

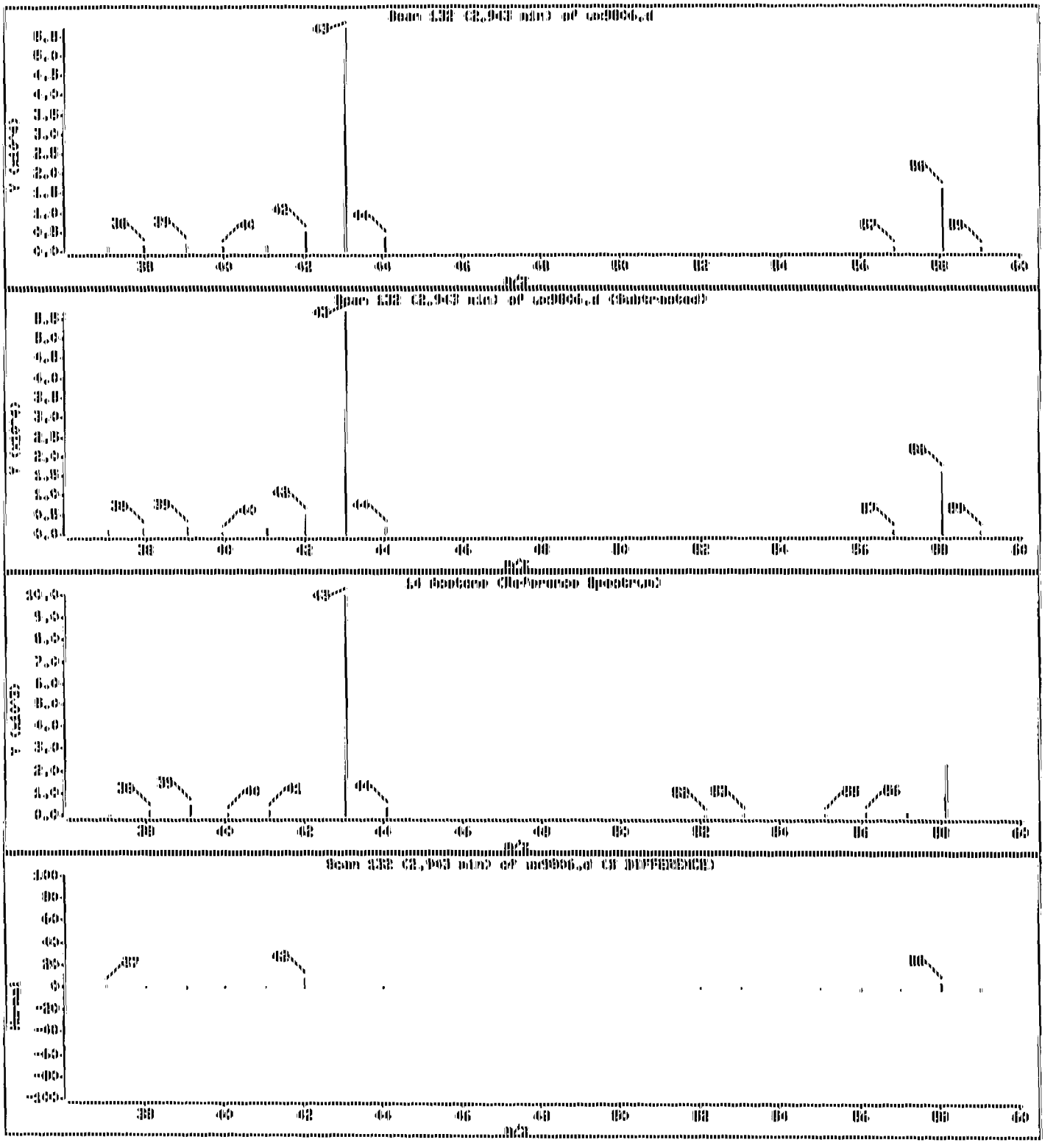
Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.[illegible]

14 Acetone

Concentration: 29,120 [illegible]



Data File: /chem/ban/msw/a3wd9.i/N009078-CLP.b/wd9806.d

Page 9

Date : 07-SEP-2000 10:42

Client ID: BLB2-4'

Instrument: a3wd9.i

Sample Info: [illegible]

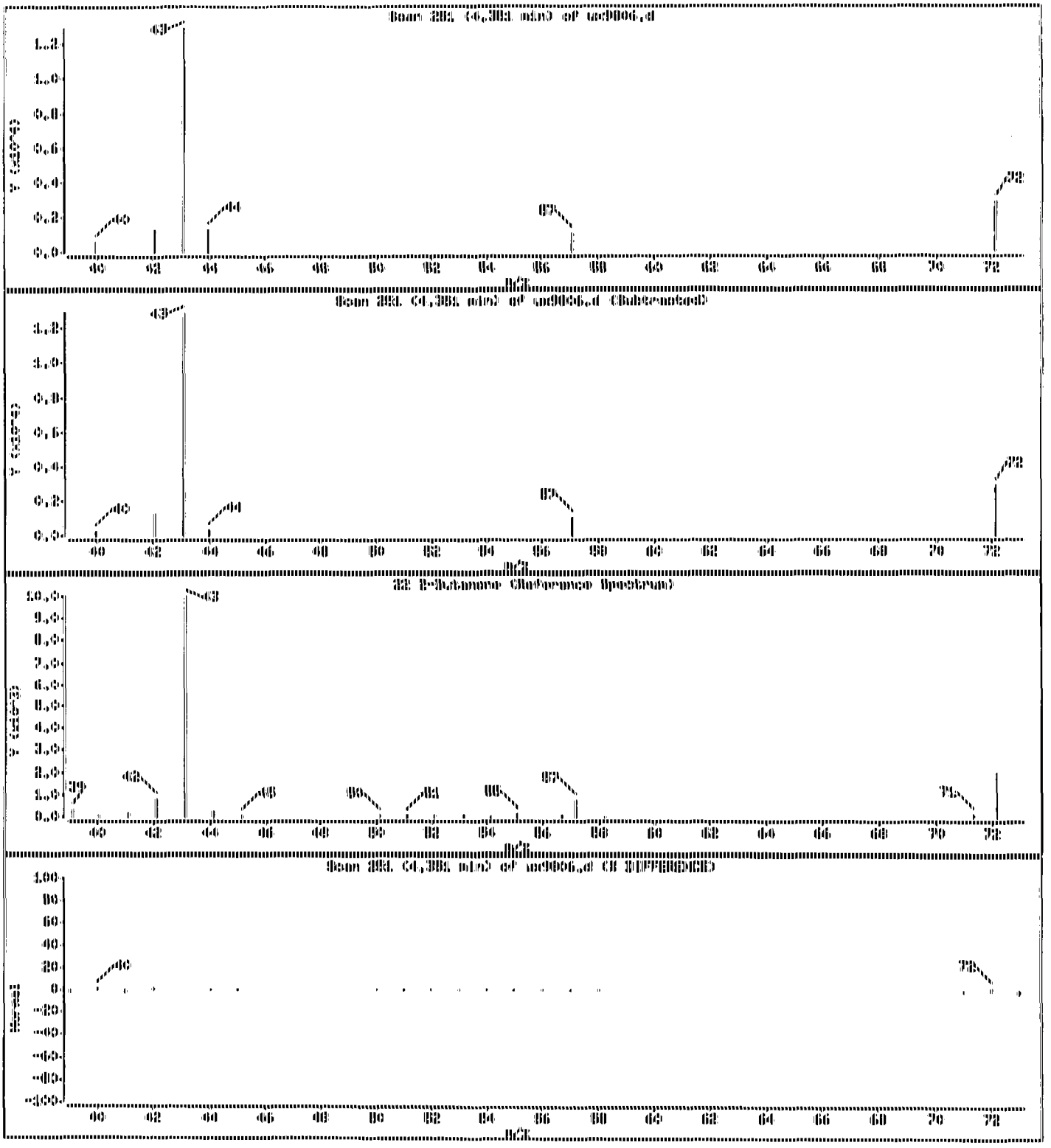
Operator: 01019

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 4.862 UG/KG



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 007
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNQ10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 31

QC Batch: 0252101

Client Sample Id: SL53-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene chloride	6.0	J B
67-64-1	Acetone	32	B
75-15-0	Carbon disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	8.7	J
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 007
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNQ10T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 31

QC Batch: 0252101

Client Sample Id: SL53-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	2.8	J
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylenes (total)	15	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 007
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRNQ10T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 31

QC Batch: 0252101

Client Sample Id: SL53-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: /chem/can/msv/a3ux9.1/H009070-CLP.b/ux9814.d

Page 6

Date : 07-SEP-2000 13:53

Client ID: SL53-6*

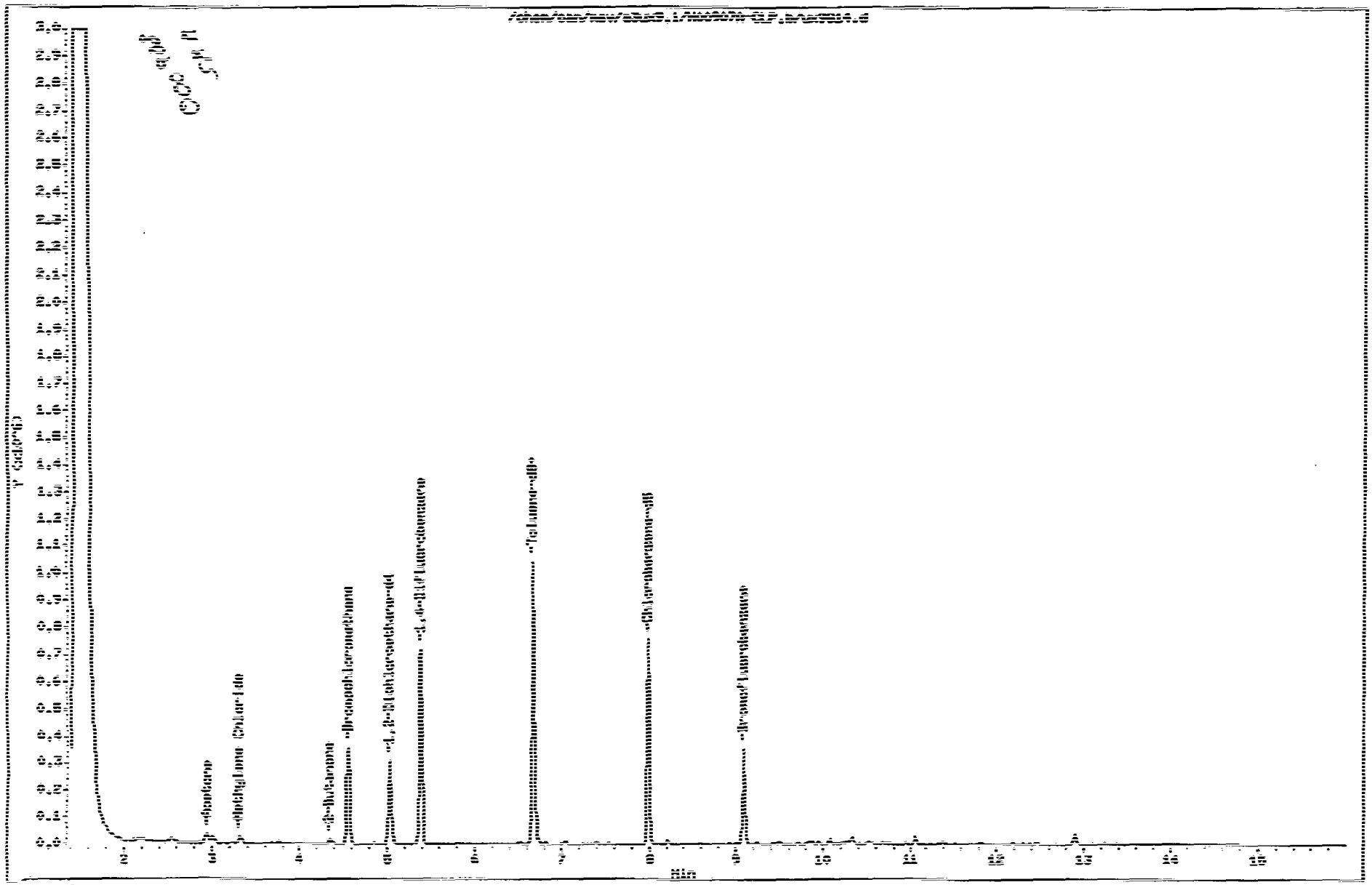
Sample Info: [illegible]

Instrument: a3ux9.1

Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9814.d
Lab Smp Id: DJRNQ10T Client Smp ID: SL53-6"
Inj Date : 07-SEP-2000 13:53
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNQ10T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	31.28600	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.567	4.565	(1.000)	101645	250.000	
* 2 1,4-Difluorobenzene	114	5.395	5.393	(1.000)	672045	250.000	
* 3 Chlorobenzene-d5	117	7.987	7.985	(1.000)	452478	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.028	5.038	(1.101)	220743	254.932	74.201
$ 5 Toluene-d8	98	6.673	6.671	(0.856)	703947	301.861	87.860
$ 6 Bromofluorobenzene	95	9.099	9.097	(1.139)	135569	169.331	49.286
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
15 1,1-Dichloroethane	96	Compound Not Detected.					
16 Acetone	43	2.946	2.952	(0.665)	77919	75.8172	21.835
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	3.313	3.322	(0.725)	11709	14.2660	4.146
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	23	cis-1,2-Dichloroethene	96	Compound Not Detected.					
M	81	1,2-Dichloroethene (total)	96	Compound Not Detected.					
	21	1,1-Dichloroethene	63	Compound Not Detected.					
	22	2-Butanone	43	4.354	4.352	(0.953)	25730	20.4690	6.810
	24	Chloroform	83	Compound Not Detected.					
	25	1,1,1-Trichloroethane	97	Compound Not Detected.					
	26	Carbon Tetrachloride	117	Compound Not Detected.					
	27	1,2-Dichloroethane	62	Compound Not Detected.					
	28	Benzene	78	Compound Not Detected.					
	29	Trichloroethene	130	Compound Not Detected.					
	30	1,2-Dichloropropane	63	Compound Not Detected.					
	31	Bromodichloromethane	83	Compound Not Detected.					
	34	cis-1,3-Dichloropropene	75	Compound Not Detected.					
	33	4-Methyl-2-pentanone	58	Compound Not Detected.					
	35	Toluene	91	6.732	6.730	(0.063)	19273	6.91963	1.890
	36	trans-1,3-Dichloropropene	75	Compound Not Detected.					
	38	1,1,2-Trichloroethane	97	Compound Not Detected.					
	39	Tetrachloroethene	164	Compound Not Detected.					
	37	2-Hexanone	43	Compound Not Detected.					
	40	Dibromochloromethane	129	Compound Not Detected.					
	41	Chlorobenzene	112	Compound Not Detected.					
	42	Ethylbenzene	106	Compound Not Detected.					
	43	m + p-Xylene	106	Compound Not Detected.					
M	82	Xylenes (total)	106	Compound Not Detected.					
	45	Styrene	106	Compound Not Detected.					
	44	Xylene-o	106	Compound Not Detected.					
	46	Bromoform	173	Compound Not Detected.					
	47	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/oar/nav/a3uc9.1/N0090?b-CLP.b/uc9814.d

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Date : 07-SEP-2000 13:53

Client ID: BL53-6'

Instrument: a3uc9.1

Sample Info: DJRNG107,,SG/SML

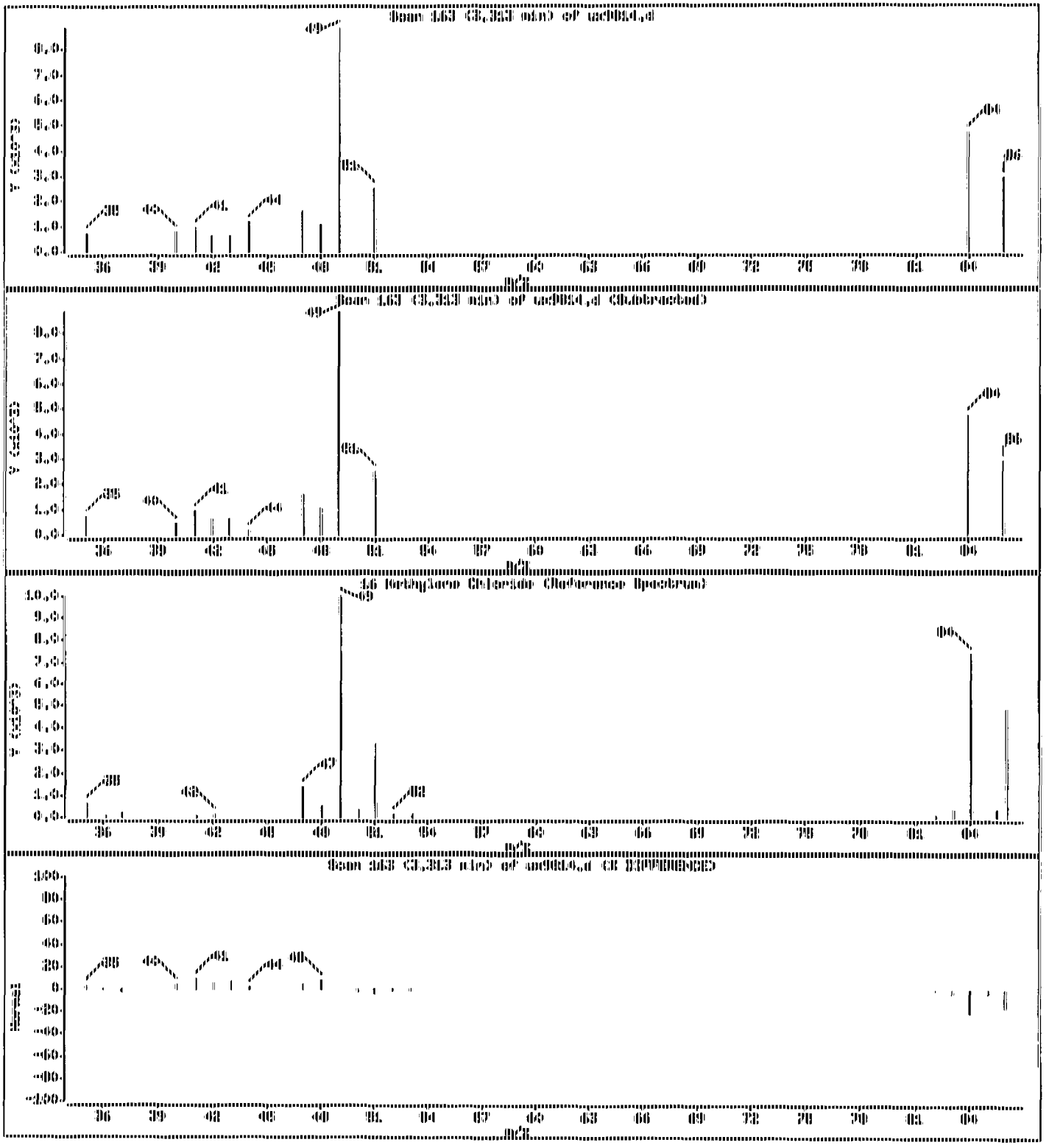
Operator: 0181.9

Column phase: RTX502.2

Column diameter: 0.83

1.6 Methylene Chloride

Concentration: 4.146 UG/KG



Data File: /chem/can/new/a3ux9.i/M00907A-CLP.b/ux9814.d

Page 7

Date : 07-SEP-2000 13:53

Client ID: SL53-6*

Instrument: a3ux9.i

Sample Info: DJHM3107,,SG/SPL

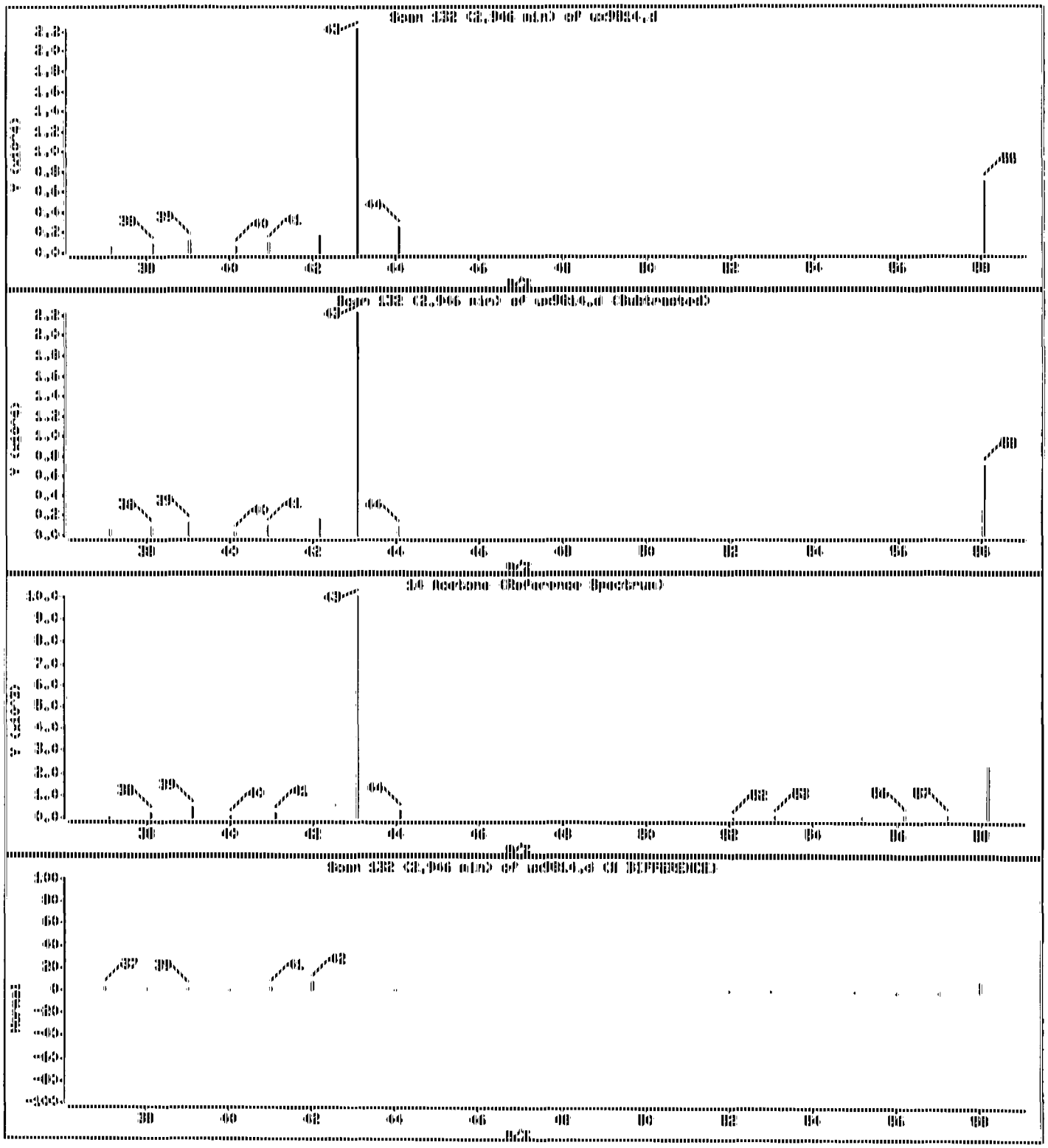
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 21.835 UG/KG



Data File: /chem/can/msv/a3uc9.1/000907A-CLP.b/uc9814.d

Page 9

Date : 07-SEP-2000 13:53

Client ID: SL53-6"

Instrument: a3uc9.1

Sample Info: DJR9810T,,BG/SDL

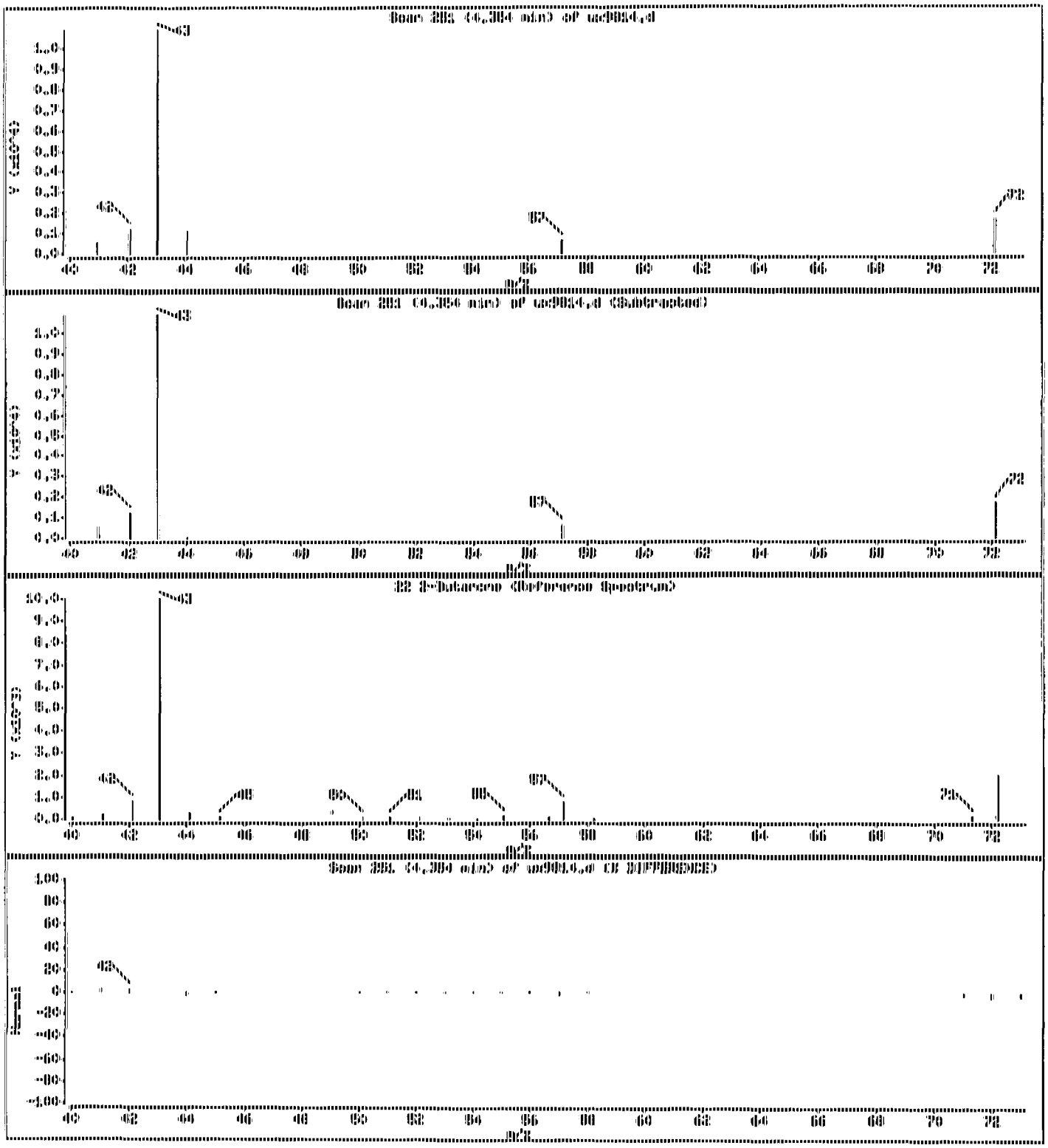
Operator: CLD19

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 6.010 UG/KG



Data File: /chem/car/msv/a3wx9.i/M009078-CLP.b/wx9814.d

Page 10

Date : 07-SEP-2000 13:53

Client ID: 8L83-6"

Instrument: a3wx9.i

Sample Info: [illegible]

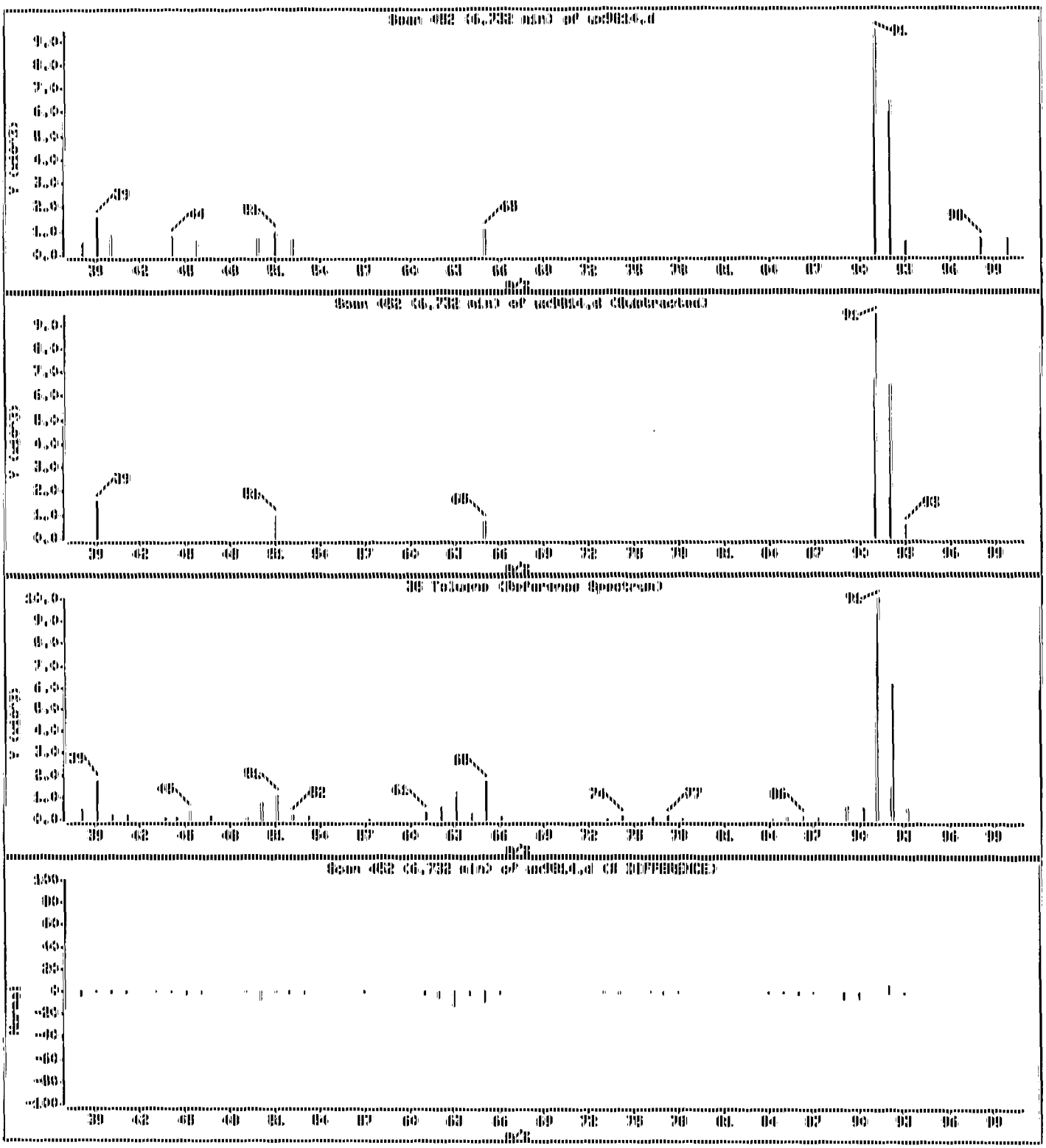
Operator: [illegible]

Column phase: [illegible]

Column diameter: 0.83

35 Toluene

Concentration: 1.000 UG/KG



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: AOI010248 008
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRP010T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 24

QC Batch: 0252101

Client Sample Id: SL54-6"

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	1.4	J B
67-64-1	Acetone	2.8	J B
75-15-0	Carbon disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 008
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRP010T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 24

QC Batch: 0252101

Client Sample Id: SL54-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylenes (total)	13	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 008
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRP010T Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: 24

QC Batch: 0252101

Client Sample Id: SL54-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: [illegible]

Date : 07-SEP-2000 11:37

Client ID: [illegible]

Sample Info: [illegible]

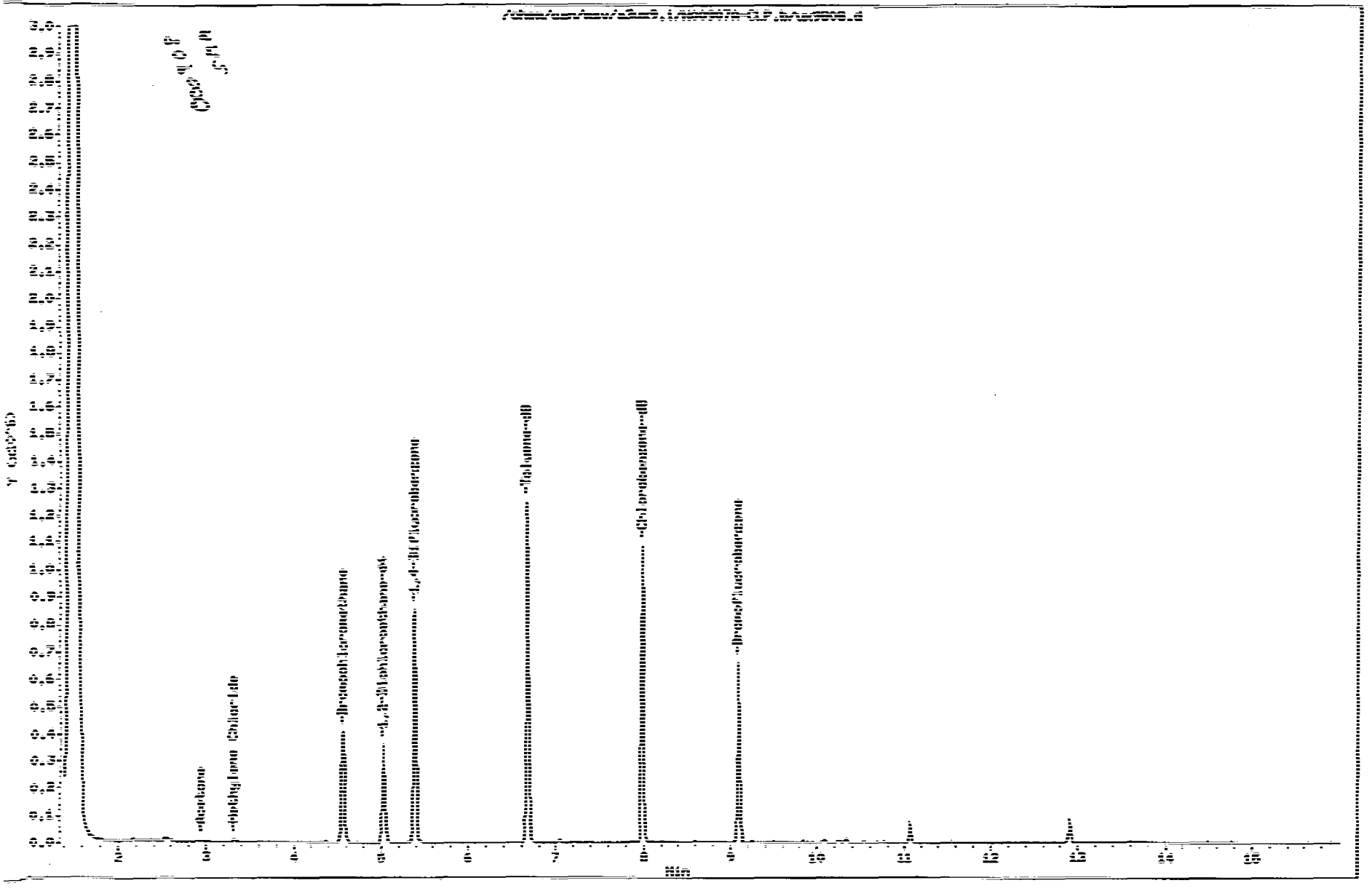
Column phase: [illegible]

Page 6

Instrument: [illegible]

Operator: [illegible]

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9808.d
Lab Smp Id: DJRP010T Client Smp ID: SL54-6'
Inj Date : 07-SEP-2000 11:37
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRP010T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.566	4.565	(1.000)	126775	250.000	
* 2 1,4-Difluorobenzene	114	5.395	5.393	(1.000)	810644	250.000	
* 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	665749	250.000	
$ 4 1,2-Dichloroethane-d6	65	5.028	5.038	(1.101)	258119	242.838	68.568
$ 5 Toluene-d8	98	6.675	6.671	(0.856)	863902	251.778	50.356
$ 6 Bromofluorobenzene	95	9.098	9.097	(1.139)	247814	210.379	62.076
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.945	2.952	(0.645)	13689	10.7561	2.147
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.324	3.322	(0.728)	5554	5.50587	1.101
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
N 81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
22 2-Butanone	43	Compound Not Detected.					
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
28 Benzene	78	Compound Not Detected.					
29 Trichloroethene	130	Compound Not Detected.					
30 1,2-Dichloropropane	63	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
35 Toluene	91	Compound Not Detected.					
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
39 Tetrachloroethene	164	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
41 Chlorobenzene	112	Compound Not Detected.					
42 Ethylbenzene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
N 80 Xylenes (total)	106	Compound Not Detected.					
45 Styrene	104	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9000.d

Page 8

Date : 07-SEP-2000 11:37

Client ID: SL04-6'

Instrument: a3ux9.i

Sample Info: DJRP010T,,UG/SML

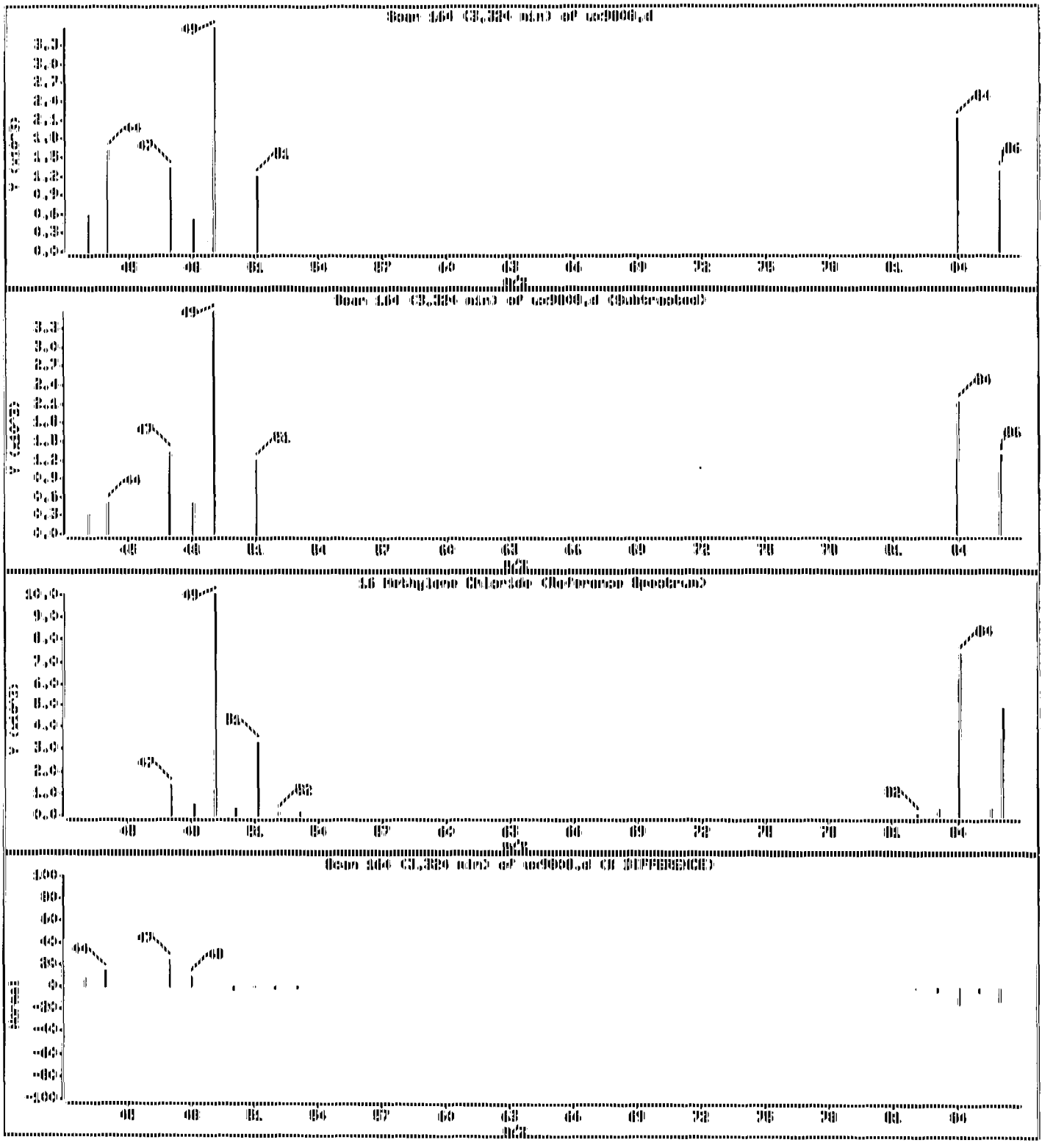
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.101 UG/KG



Data File: /chem/can/msv/a3ux9.1/NC0907A-CLP.b/ux9808.d

Page 7

Date : 07-SEP-2000 11:37

Client ID: SL84-6'

Instrument: a3ux9.1

Sample Info: DJRP010T,,BG/SHL

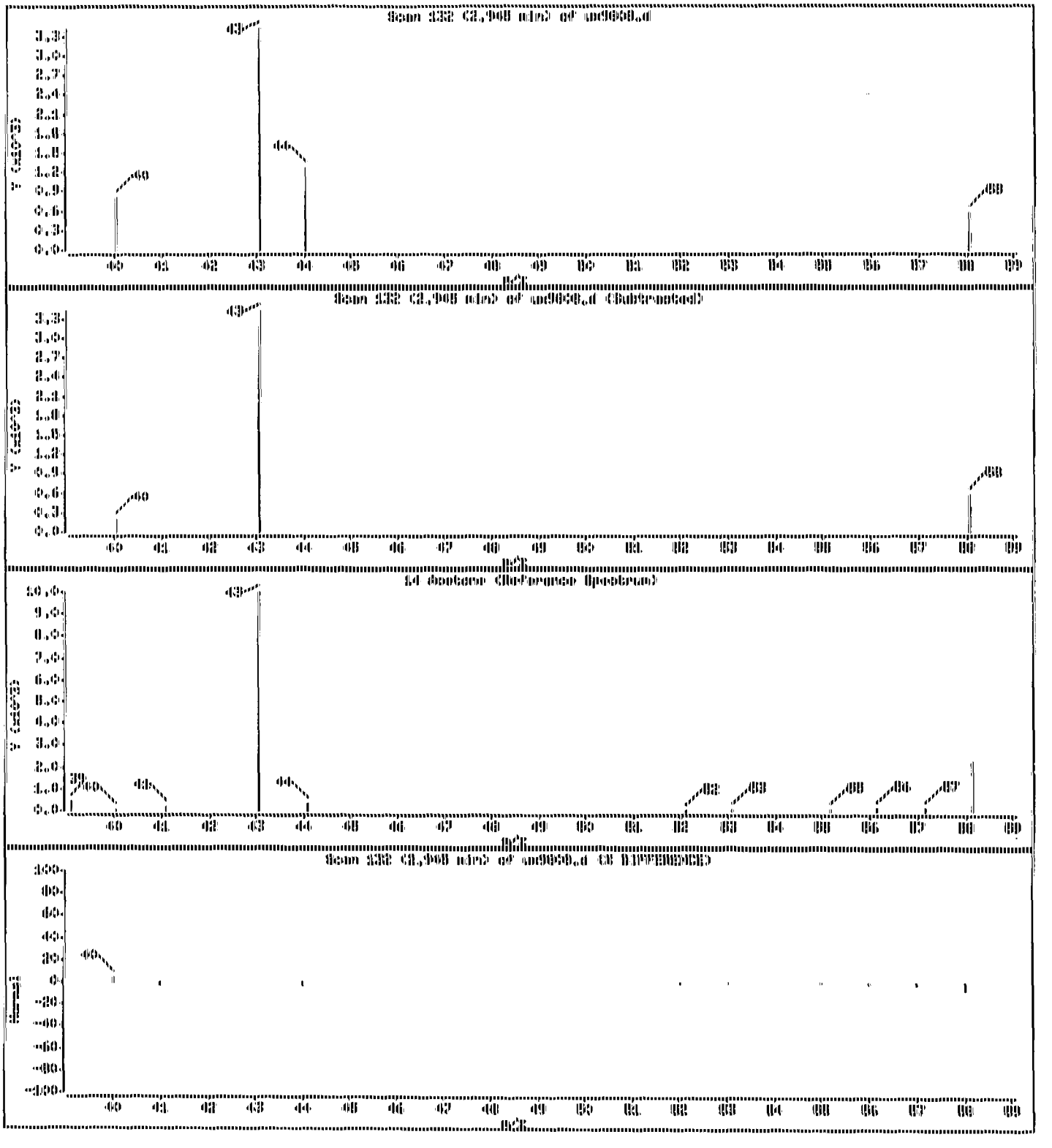
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Sextone

Concentration: 2.147 UG/KG



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 009
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRP710T Date Extracted: 09/07/00
Dilution factor: 1 Date Analysed: 09/07/00
Moisture %: 14

QC Batch: 0252101

Client Sample Id: SL55-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 009
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRP710T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analysed: 09/07/00
Moisture %: 14

QC Batch: 0252101

Client Sample Id: SL55-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylenes (total)	12	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 009
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRP710T Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture %: 14

QC Batch: 0252101

Client Sample Id: SL55-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Dichloroethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9815.d
Lab Smp Id: DJRP710T Client Smp ID: SL55-6"
Inj Date : 07-SEP-2000 14:15
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRP710T,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	13.84900	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS CO-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.565	4.565	(1.000)	102405	250.000	
* 2 1,4-Difluorobenzene	114	5.393	5.395	(1.000)	509901	250.000	
* 3 Chlorobenzene-d5	117	7.984	7.985	(1.000)	438087	250.000	
S 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	237247	271.436	65.014
S 5 Toluene-d8	98	6.671	6.671	(0.833)	677202	299.951	69.629
S 6 Bromofluorobenzene	95	9.096	9.097	(1.139)	168515	217.405	50.670
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	Compound Not Detected.					
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/MOD)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
22 2-Butanone	43	Compound Not Detected.					
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
28 Benzene	78	Compound Not Detected.					
29 Trichloroethene	130	Compound Not Detected.					
30 1,2-Dichloropropane	63	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
35 Toluene	91	Compound Not Detected.					
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
39 Tetrachloroethene	164	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
41 Chlorobenzene	112	Compound Not Detected.					
42 Ethylbenzene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
M 80 Xylenes (total)	106	Compound Not Detected.					
45 Styrene	104	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

BMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: K01340

Matrix: (soil/water) WQ Lab Sample ID: K0101340-010
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DVRP0101 Date Extracted: 09/00/00
Dilution Factor: 1 Date Analyzed: 09/00/00
Moisture %:

QC Batch: 0252445

Client Sample Id: EMDBLK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	3.3	J,B
67-64-1	Acetone	3.0	J,B
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WQ Lab Sample ID: A0I010248 010
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DJRPG101 Date Extracted: 09/08/00
Dilution factor: 1 Date Analyzed: 09/08/00
Moisture %:

QC Batch: 0252445

Client Sample Id: HLDBLK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WQ Lab Sample ID: A0I010248 010
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DJRPG101 Date Extracted: 09/08/00
Dilution factor: 1 Date Analyzed: 09/08/00
Moisture %:

QC Batch: 0252445

Client Sample Id: HLDBLK

(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: [illegible]

Date : [illegible]

Client ID: [illegible]

Sample Info: [illegible]

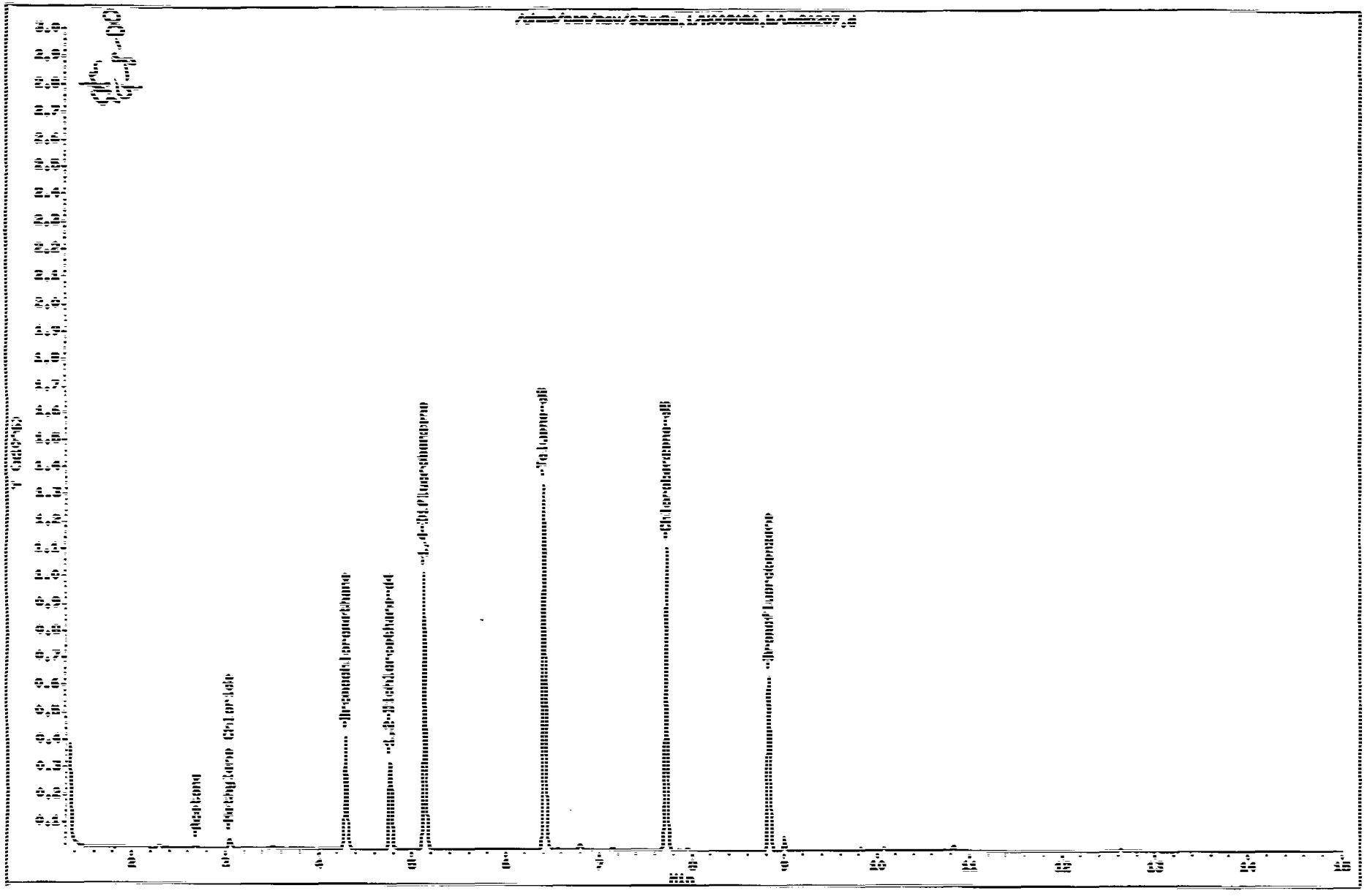
Purge Volume: 5.0

Column phase: [illegible]

Instrument: [illegible]

Operator: [illegible]

Column diameter: [illegible]



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux8a.i/M00908A.b/ux80207.d
Lab Smp Id: DJRPG101 Client Smp ID: HLDBLK
Inj Date : 08-SEP-2000 20:20
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DJRPG101,,5ML/5ML
Misc Info : UX8a,M00908A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M00908A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:47 macenczs Quant Type: ISTD
Cal Date : 08-SEP-2000 17:38 Cal File: ux80200.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	RTP RT	REL RT	RESPONSE	CONCENTRATIONS CON-COLUMN (ug)	FINAL (ug/L)
* 1 Bromochloromethane	128	4.304	4.303	(1.000)	132897	250.000	
* 2 1,4-Difluorobenzene	116	5.132	5.132	(1.000)	486944	250.000	
* 3 Chlorobenzene-d5	117	7.723	7.723	(1.000)	721021	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.765	4.777	(1.107)	230304	261.493	52.291
$ 5 Toluene-d8	98	6.410	6.410	(0.830)	952091	245.440	49.096
$ 6 Bromofluorobenzene	95	8.036	8.035	(1.164)	343794	250.348	66.074
8 Chloromethane	50	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
14 Methylene Chloride	84	3.069	3.049	(0.709)	14219	19.9593	3.192
14 Acetone	43	2.694	2.694	(0.426)	4461	14.7669	2.953
17 Carbon Disulfide	76	Compound Not Detected.					
18 1,1-Dichloroethene	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	RHL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	41 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	24 Chloroform	83	Compound Not Detected.					
	27 1,2-Dichloroethane	62	Compound Not Detected.					
	32 2-Butanone	63	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Carbon Tetrachloride	117	Compound Not Detected.					
	31 Bromodichloromethane	83	Compound Not Detected.					
	30 1,2-Dichloropropane	63	Compound Not Detected.					
	36 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	29 Trichloroethene	130	Compound Not Detected.					
	40 Dibromochloromethane	129	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	28 Benzene	78	Compound Not Detected.					
	34 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 Bromoform	173	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	Compound Not Detected.					
	37 2-Hexanone	43	Compound Not Detected.					
	39 Tetrachloroethene	166	Compound Not Detected.					
	47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	35 Toluene	91	Compound Not Detected.					
	61 Chlorobenzene	112	Compound Not Detected.					
	62 Ethylbenzene	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	Compound Not Detected.					
	44 Xylene-o	106	Compound Not Detected.					
M	40 Xylenes (total)	106	Compound Not Detected.					
	12 Trichlorofluoromethane	101	Compound Not Detected.					
	7 Dichlorodifluoromethane	85	Compound Not Detected.					
	48 1,3-Dichlorobenzene	146	Compound Not Detected.					
	49 1,4-Dichlorobenzene	146	Compound Not Detected.					
	50 1,2-Dichlorobenzene	146	Compound Not Detected.					
	83 Methyl tert-butyl ether	73	Compound Not Detected.					
	63 1,2-Dibromoethane	107	Compound Not Detected.					
	51 Freon-113	151	Compound Not Detected.					
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	90 Cyclohexane	56	Compound Not Detected.					
	91 Isopropylbenzene	105	Compound Not Detected.					
	92 Methyl Acetate	43	Compound Not Detected.					
	93 Methylcyclohexane	83	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					

Data File: /chem/ocm/msw/a3ndm.i/M0090A.b/wd0207.d

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Date : 08-SEP-2000 20:20

Client ID: MLDBLK

Instrument: a3ndm.i

Sample Info: BJPC101,,BML/BML

Purge Volume: 5.0

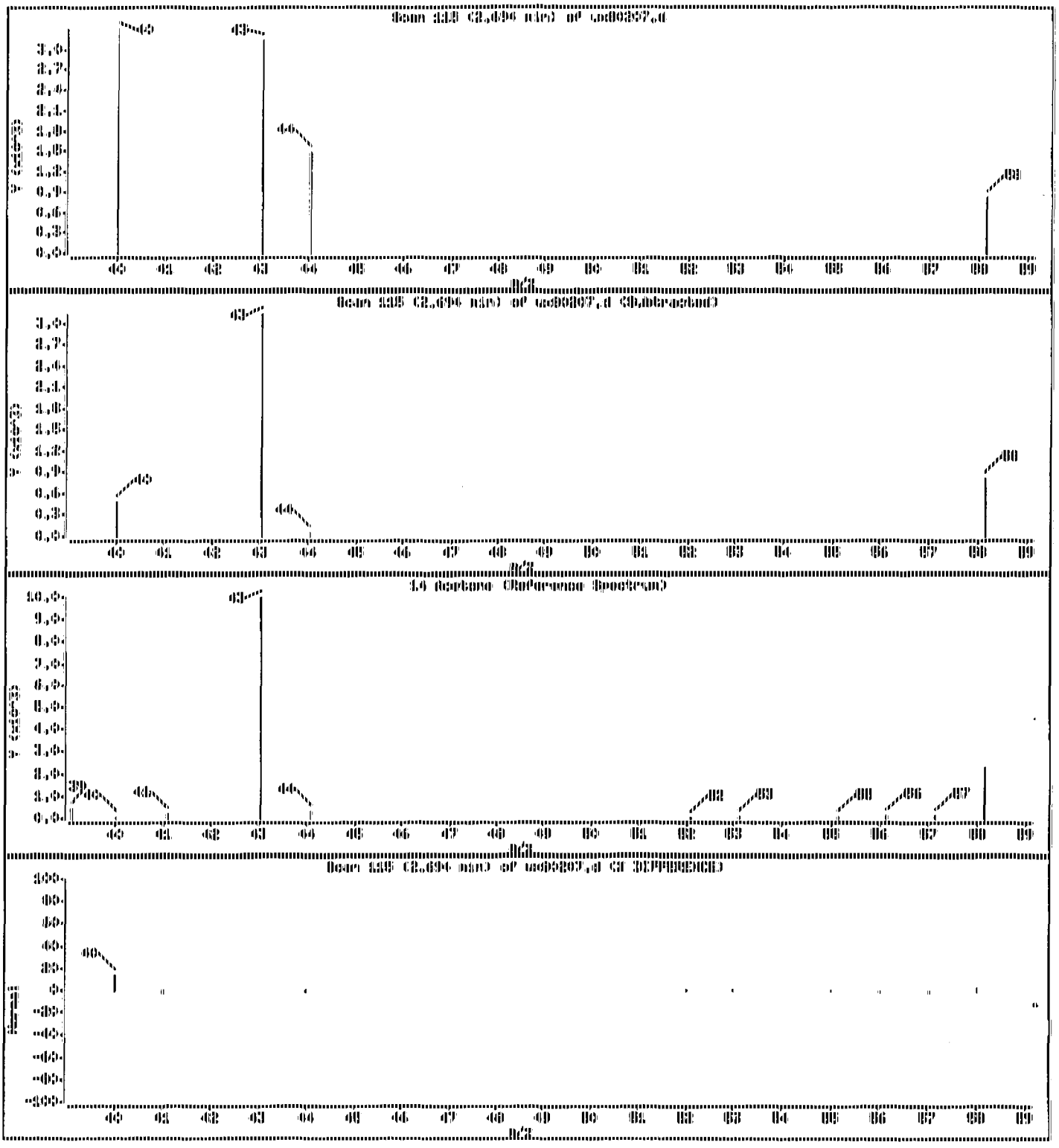
Operator: 2007

Column phase: DB624 20m

Column diameter: 0.18

14 Acetone

Concentration: 2.953 ug/L



Data File: /chem/ccn/msv/a3wd8a.i/M009008.b/wd80207.d

Page 7

Date : 08-SEP-2000 20:20

Client ID: MLDBLK

Instrument: a3wd8a.i

Sample Info: DJRPC101,,BML/BML

Purge Volume: 8.0

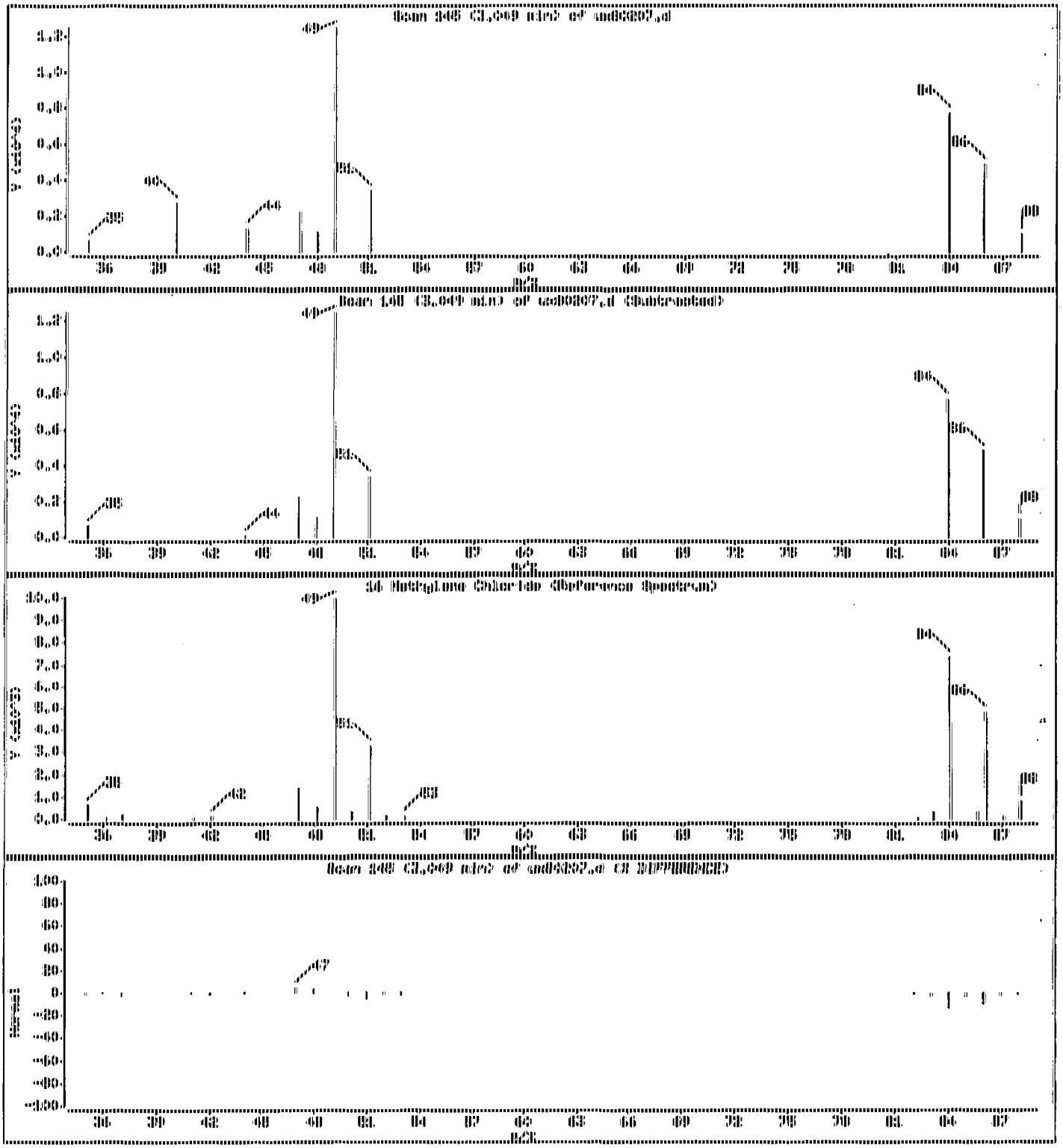
Operator: 2007

Column phase: DB624 20m

Column diameter: 0.18

16 Methylene Chloride

Concentration: 3.192 ug/L



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WQ Lab Sample ID: A0I010248 011
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DJRRK101 Date Extracted: 09/08/00
Dilution Factor: 1 Date Analyzed: 09/08/00
Moisture %:

QC Batch: 0252445

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	3.6	J B
67-64-1	Acetone	3.1	J B
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WQ Lab Sample ID: A0I010248 011
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DJRRK101 Date Extracted: 09/08/00
Dilution factor: 1 Date Analyzed: 09/08/00
Moisture %:

QC Batch: 0252445

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WQ Lab Sample ID: A0I010248 011
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DJRRK101 Date Extracted: 09/08/00
Dilution Factor: 1 Date Analyzed: 09/08/00
Moisture %:

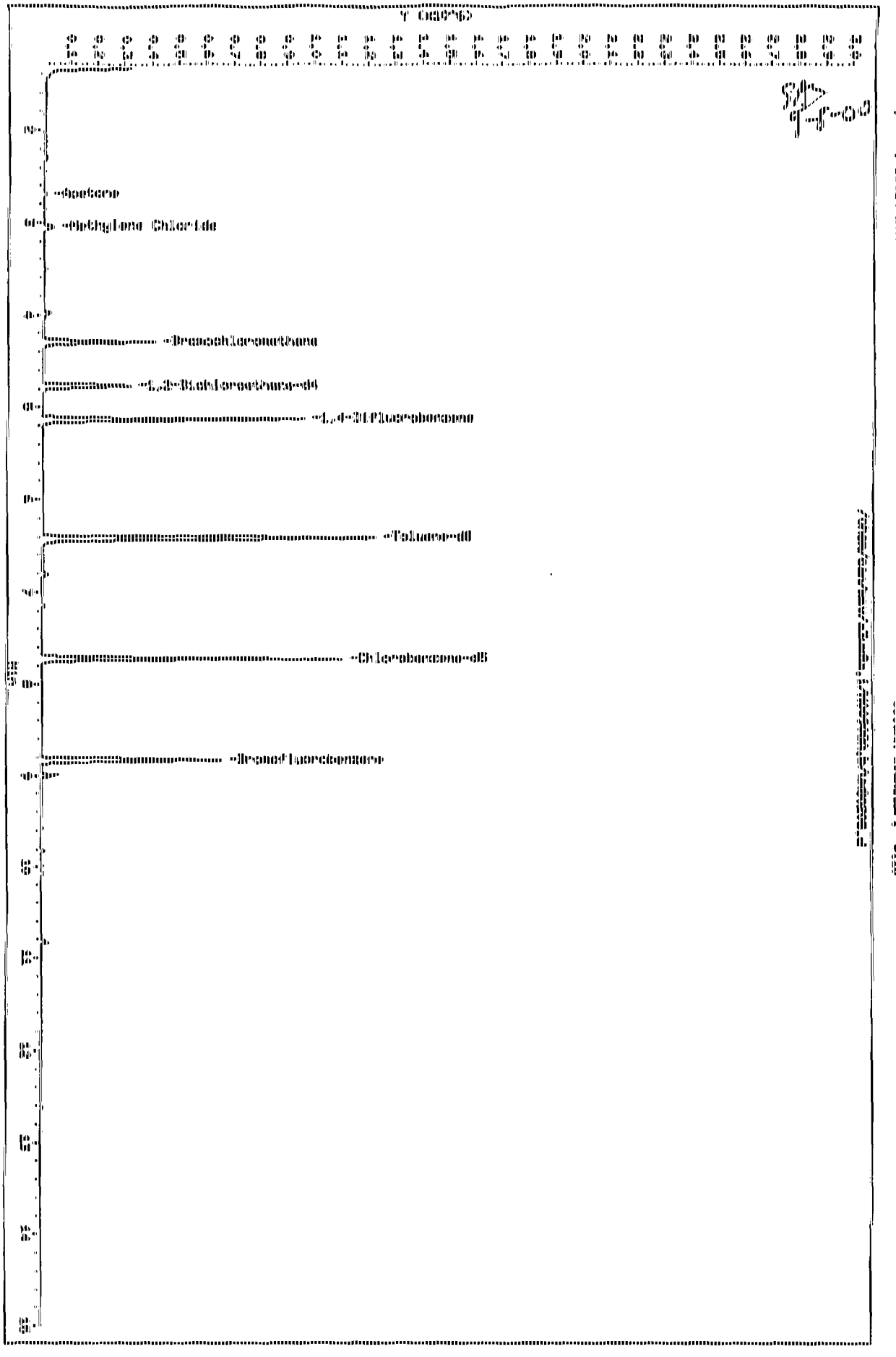
QC Batch: 0252445

Client Sample Id: TRIP BLANK

(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC


Methylene Chloride
Bromochloromethane
1,3-Dichloropropane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux8a.i/M00908A.b/ux80208.d
Lab Smp Id: DJRRK101 Client Smp ID: TRIP BLANK
Inj Date : 08-SEP-2000 20:43
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DJRRK101,,5ML/5ML
Misc Info : UX8a,M00908A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M00908A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:47 macenczs Quant Type: ISTD
Cal Date : 08-SEP-2000 17:38 Cal File: ux80200.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug)	FINAL (ug/L)
* 1 Bromochloromethane	128	6.302	4.303	(1.000)	133752	250.000	
* 2 1,4-Difluorobenzene	114	5.130	5.132	(1.000)	880076	250.000	
* 3 Chlorobenzene-d5	117	7.721	7.723	(1.000)	723139	250.000	
$ 4 1,2-Dichloroethane-d6	65	4.775	4.777	(1.110)	221155	252.512	50.502
$ 5 Toluene-d8	98	6.408	6.410	(0.830)	960399	261.972	48.396
$ 6 Bromofluorobenzene	95	8.834	8.835	(1.144)	258192	225.099	45.020
8 Chloromethane	50	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
16 Methylene Chloride	84	3.067	3.049	(0.708)	18354	38.1743	3.635
14 Acetone	43	2.692	2.694	(0.426)	6802	35.6613	3.128
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethane	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
19 trans-1,2-Dichloroethane	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS CON-COLUMN (ng)	FINAL (ug/L)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	41 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	24 Chloroform	83	Compound Not Detected.					
	27 1,2-Dichloroethane	62	Compound Not Detected.					
	22 2-Butanone	43	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Carbon Tetrachloride	117	Compound Not Detected.					
	31 Bromodichloromethane	83	Compound Not Detected.					
	30 1,2-Dichloropropane	63	Compound Not Detected.					
	34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	29 Trichloroethene	130	Compound Not Detected.					
	40 Dibromochloromethane	129	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	28 Benzene	78	Compound Not Detected.					
	36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 Bromoform	173	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	Compound Not Detected.					
	37 2-Hexanone	43	Compound Not Detected.					
	39 Tetrachloroethene	164	Compound Not Detected.					
	47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	35 Toluene	91	Compound Not Detected.					
	41 Chlorobenzene	112	Compound Not Detected.					
	42 Ethylbenzene	106	Compound Not Detected.					
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	Compound Not Detected.					
	44 Xylene-o	106	Compound Not Detected.					
M	80 Xylenes (total)	106	Compound Not Detected.					
	12 Trichlorofluoromethane	101	Compound Not Detected.					
	7 Dichlorodifluoromethane	85	Compound Not Detected.					
	48 1,3-Dichlorobenzene	146	Compound Not Detected.					
	49 1,4-Dichlorobenzene	146	Compound Not Detected.					
	50 1,2-Dichlorobenzene	146	Compound Not Detected.					
	82 Methyl tert-butyl ether	73	Compound Not Detected.					
	63 1,2-Dibromoethane	107	Compound Not Detected.					
	51 Freon-113	151	Compound Not Detected.					
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	90 Cyclohexane	56	Compound Not Detected.					
	91 Isopropylbenzene	105	Compound Not Detected.					
	92 Methyl Acetate	43	Compound Not Detected.					
	93 Methylcyclohexane	83	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					

Data File: /chem/ccm/msv/a3ux8a.i/M009508.b/ux80208.d

Page 7

Date : 08-SEP-2000 20:43

Client ID: TRIP BLANK

Instrument: a3ux8a.i

Sample Info: [illegible]

Purge Volume: 5.0

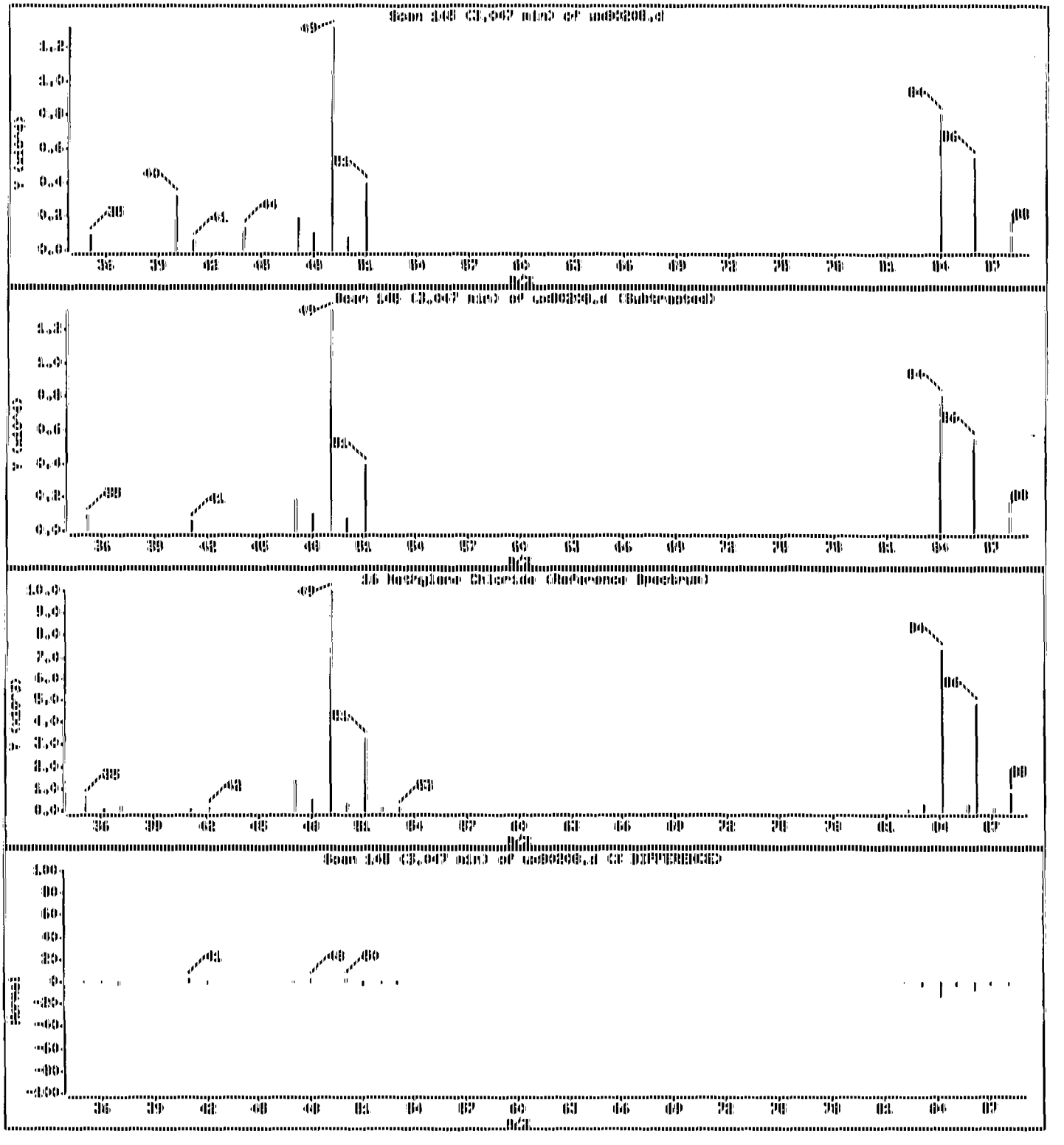
Operator: 2807

Column phase: [illegible]

Column diameter: 0.18

16 Methylene Chloride

Concentration: 3.638 ug/L



Data File: /chem/ban/msv/a3wd8a.1/M009086.b/wd80208.d

Page 8

Date : 08-SEP-2000 20:43

Client ID: TRIP BLANK

Instrument: a3wd8a.1

Sample Info: DJR8X101,,BML/BML

Purge Volume: 8.0

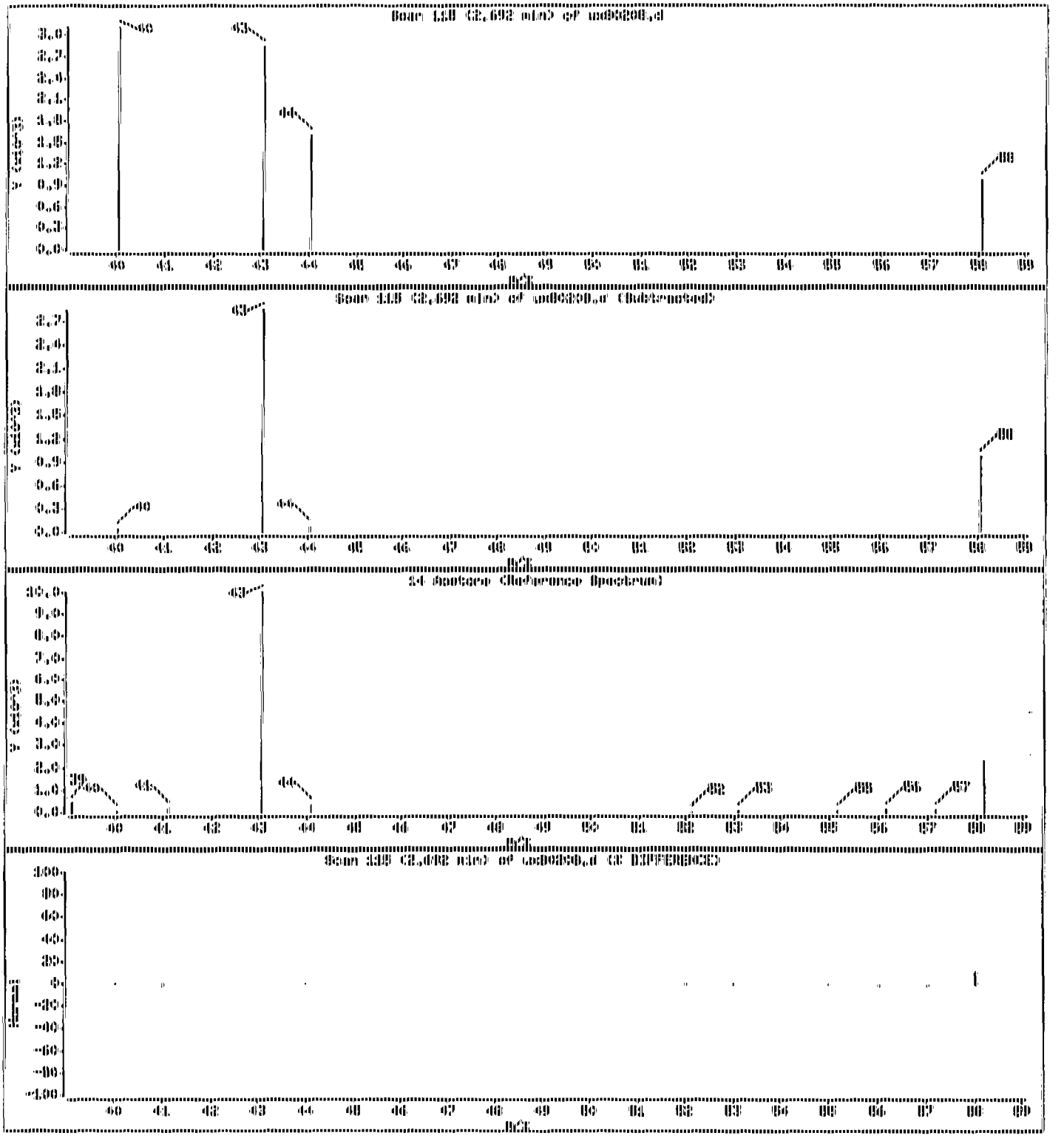
Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

14 Acetone

Concentration: 3.120 ug/L



STL
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STANDARD DATA

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 101248

Instrument ID: A3UX8A Calibration Date(s): 09/08/00 09/08/00

Heated Purge: (Y/N) N Calibration Time(s): 1652 1825

GC Column: DB624 20M ID: 0.18 (mm)

LAB FILE ID: RRF10 =UX80202 RRF20 =UX80201
RRF50 =UX80200 RRF100=UX80199 RRF200=UX80198

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Chloromethane	0.647	0.611	0.650	0.649	0.659	0.643	2.9
Bromomethane *	0.478	0.454	0.483	0.473	0.451	0.468	3.1*
Vinyl Chloride *	0.656	0.667	0.685	0.704	0.705	0.683	3.2*
Chloroethane	0.539	0.519	0.547	0.537	0.528	0.534	2.0
Methylene Chloride	2.267	2.125	1.917	1.804	1.794	1.981	10.5
Acetone	0.972	0.832	0.825	0.910	0.940	0.896	7.3
Carbon Disulfide	4.439	4.282	4.572	4.535	4.570	4.480	2.7
1,1-Dichloroethene *	1.623	1.578	1.658	1.659	1.672	1.638	2.3*
1,1-Dichloroethane *	3.510	3.499	3.594	3.594	3.617	3.563	1.5*
1,2-Dichloroethene (total)	1.984	1.995	2.094	2.094	2.095	2.052	2.8
Chloroform *	3.068	3.124	3.145	3.119	3.151	3.121	1.1*
1,2-Dichloroethane *	2.161	2.102	2.136	2.132	2.060	2.118	1.8*
2-Butanone	0.901	0.899	0.976	1.095	1.133	1.001	10.9
1,1,1-Trichloroethane *	0.388	0.382	0.391	0.387	0.370	0.384	2.2*
Carbon Tetrachloride *	0.372	0.370	0.379	0.381	0.376	0.376	1.2*
Bromodichloromethane *	0.322	0.325	0.322	0.320	0.317	0.321	0.9*
1,2-Dichloropropane	0.310	0.304	0.298	0.292	0.278	0.296	4.2
cis-1,3-Dichloropropene *	0.371	0.381	0.401	0.404	0.402	0.392	3.8*
Trichloroethene *	0.336	0.334	0.337	0.333	0.331	0.334	0.7*
Dibromochloromethane *	0.242	0.244	0.254	0.249	0.239	0.246	2.4*
1,1,2-Trichloroethane *	0.213	0.212	0.211	0.202	0.193	0.206	4.2*
Benzene *	1.148	1.126	1.137	1.116	1.065	1.117	2.9*
trans-1,3-Dichloropropene *	0.308	0.318	0.329	0.330	0.327	0.322	2.9*
Bromoform *	0.125	0.124	0.130	0.127	0.117	0.125	3.9*
4-Methyl-2-pentanone	0.064	0.069	0.077	0.088	0.103	0.080	19.3
2-Hexanone	0.143	0.149	0.190	0.233	0.263	0.196	26.7
Tetrachloroethene *	0.317	0.301	0.322	0.310	0.322	0.314	2.9*
1,1,2,2-Tetrachloroethane *	0.216	0.207	0.218	0.211	0.197	0.210	4.0*
Toluene *	1.682	1.643	1.658	1.603	1.614	1.640	2.0*
Chlorobenzene *	1.102	1.051	1.068	1.049	1.040	1.062	2.3*
Ethylbenzene *	0.563	0.546	0.577	0.559	0.557	0.560	2.0*
Styrene *	1.040	1.025	1.071	1.020	0.970	1.025	3.6*
Xylenes (total) *	0.600	0.614	0.636	0.607	0.574	0.606	3.7*
Toluene-d8	1.291	1.298	1.343	1.358	1.329	1.324	2.2
Bromofluorobenzene *	0.389	0.387	0.396	0.404	0.377	0.391	2.6*
1,2-Dichloroethane-d4	1.726	1.714	1.662	1.751	1.695	1.710	2.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA OLM03.0

Data File: /chem/can/mav/a3ua8a.i/[illegible].d

Date : [illegible]

Client ID: [illegible]

Sample Info: [illegible]

Purge Volume: 5.0

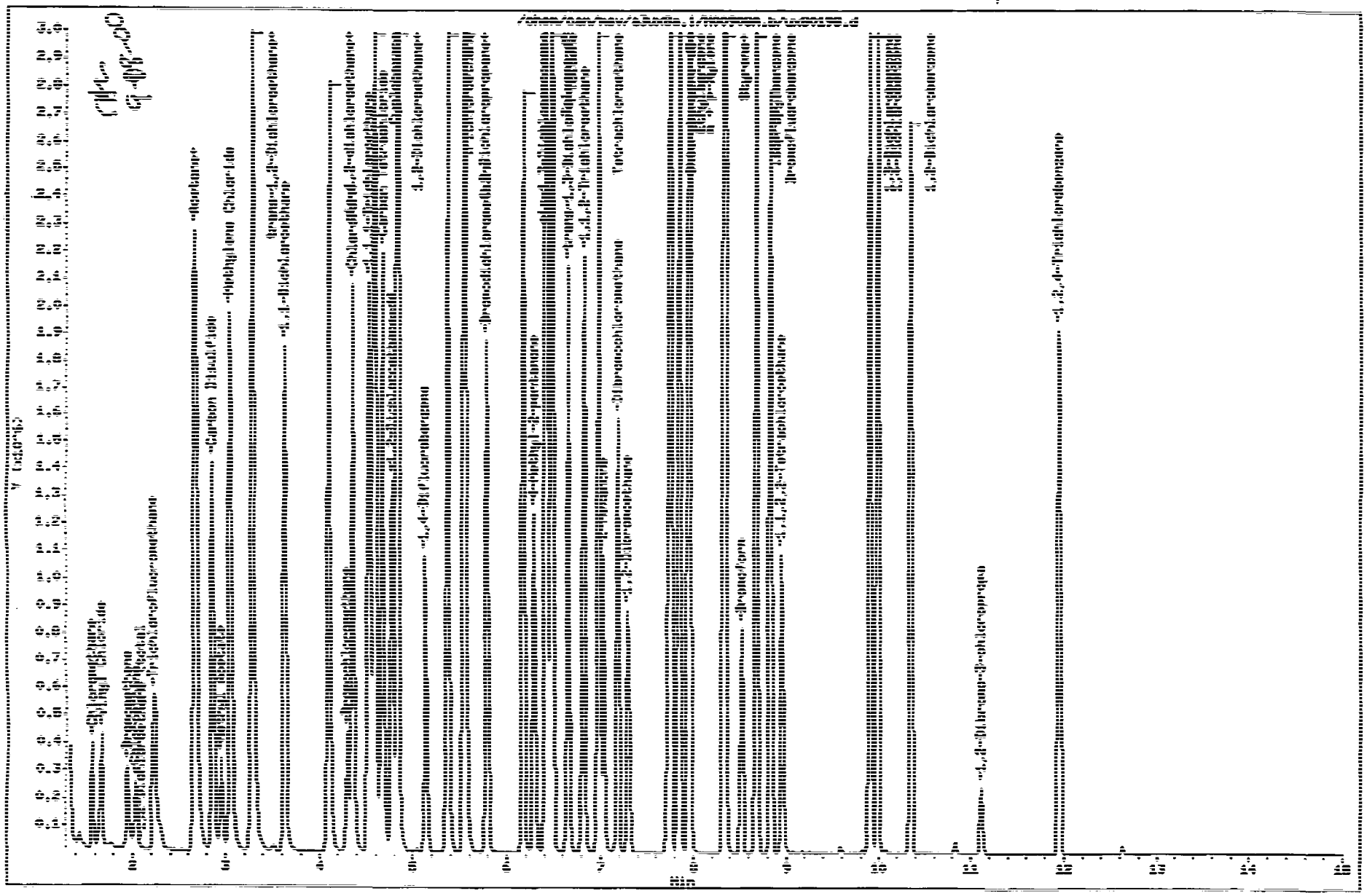
Column phase: [illegible]

Instrument: a3ua8a.i

Operator: [illegible]

Column diameter: 0.18

Page 4



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux8a.i/M00908A.b/ux80198.d
Lab Smp Id: 1000NG-IC Client Smp ID: VSTD200
Inj Date : 08-SEP-2000 16:52
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 1000NG-IC
Misc Info : UX8a,M00908A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M00908A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:46 macenczs Quant Type: ISTD
Cal Date : 08-SEP-2000 16:52 Cal File: ux80198.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	RHL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	4.301	6.301	(1.000)	137701	250.000	
* 2 1,4-Difluorobenzene	114	5.130	5.130	(1.000)	997597	250.000	
* 3 Chlorobenzene-d5	117	7.721	7.721	(1.000)	761937	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.775	4.775	(1.110)	935621	1000.00	1000.0
$ 5 Toluene-d8	98	6.419	6.419	(0.831)	6049769	1000.00	1000.0(A)
$ 6 Bromofluorobenzene	95	8.833	8.833	(1.146)	1149737	1000.00	1000.0
8 Chloromethane	50	1.580	1.580	(0.347)	362707	1000.00	1000.0
10 Bromomethane	94	1.958	1.958	(0.455)	248168	1000.00	1000.0(A)
9 Vinyl Chloride	62	1.674	1.674	(0.389)	308430	1000.00	1000.0
11 Chloroethane	64	2.043	2.043	(0.475)	290460	1000.00	1000.0
16 Methylene Chloride	84	3.047	3.047	(0.708)	988121	1000.00	1000.0
16 Acetone	63	2.680	2.680	(0.633)	518086	1000.00	1000.0
17 Carbon Disulfide	76	2.058	2.058	(0.664)	2517382	1000.00	1000.0
15 1,1-Dichloroethene	96	2.660	2.660	(0.630)	923091	1000.00	1000.0
21 1,1-Dichloroethane	63	3.627	3.627	(0.843)	1993347	1000.00	1000.0(A)
19 trans-1,2-Dichloroethene	96	3.284	3.286	(0.763)	1126002	1000.00	1000.0

	Compound	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	Amounts COL-ADS (ug)	ON-COL (ug)
	33 cis-1,3-Dichloroethene	96	6.100	4.100	(0.990)	1333109	1000.00	1000.0
M	81 1,3-Dichloroethene (total)	96				2300167	2000.00	2000.0 (A)
	34 Chloroform	83	6.301	4.963	(1.034)	1733906	1000.00	1000.0
	37 1,2-Dichloroethane	62	6.034	4.034	(1.334)	1134936	1000.00	1000.0
	38 2-Butanone	43	6.000	4.000	(0.950)	634937	1000.00	1000.0
	35 1,1,1-Trichloroethane	97	6.936	4.936	(0.983)	1674604	1000.00	1000.0
	36 Carbon Tetrachloride	117	6.660	4.660	(0.930)	1699769	1000.00	1000.0
	31 Bromodichloromethane	83	5.700	5.700	(1.137)	1363770	1000.00	1000.0
	30 1,2-Dichloropropane	63	5.966	5.966	(1.083)	1107616	1000.00	1000.0
	34 cis-1,3-Dichloropropene	75	6.371	6.371	(1.303)	1603337	1000.00	1000.0 (A)
	39 Trichloroethene	130	5.366	5.366	(1.046)	1333603	1000.00	1000.0
	40 Dibromochloromethane	129	7.109	7.109	(1.601)	954793	1000.00	1000.0
	30 1,1,2-Trichloroethane	97	6.033	6.033	(1.330)	769366	1000.00	1000.0 (A)
	20 Benzene	78	4.034	4.036	(0.963)	4269396	1000.00	1000.0
	36 trans-1,3-Dichloropropene	75	6.656	6.656	(1.390)	1303643	1000.00	1000.0
	46 Bromoform	173	8.926	8.926	(1.662)	666649	1000.00	1000.0
	33 4-Methyl-2-pentanone	58	6.209	6.209	(0.815)	31.2943	1000.00	1000.0
	37 2-Hexanone	43	7.035	7.035	(0.933)	803173	1000.00	1000.0
	39 Tetrachloroethene	164	6.976	6.976	(0.903)	903350	1000.00	1000.0
	47 1,1,2,2-Tetrachloroethane	83	8.952	8.952	(1.159)	603130	1000.00	1000.0
	36 Toluene	91	6.479	6.479	(0.839)	4930449	1000.00	1000.0
	61 Chlorobenzene	112	7.797	7.797	(1.005)	3171344	1000.00	1000.0
	62 Ethylbenzene	106	7.051	7.051	(1.037)	3697995	1000.00	1000.0
	65 Styrene	104	8.340	8.340	(1.003)	3998872	1000.00	1000.0
	63 m + p-Xylene	106	7.950	7.950	(1.031)	3766005	2000.00	2000.0 (A)
	64 Xylene-o	106	8.336	8.336	(1.000)	1760348	1000.00	1000.0
M	80 Xylene (total)	106				5531613	1000.00	3331.6 (A)
	13 Trichlorofluoromethane	101	3.231	3.231	(0.519)	779903	1000.00	1000.0 (A)
	7 Dichlorodifluoromethane	85	1.630	1.634	(0.396)	96095	1000.00	1000.0
	68 1,3-Dichlorobenzene	146	9.890	9.890	(1.303)	3736839	1000.00	1000.0
	69 1,4-Dichlorobenzene	146	9.903	9.903	(1.395)	3660169	1000.00	1000.0
	70 1,2-Dichlorobenzene	146	10.340	10.340	(1.360)	3445009	1000.00	1000.0
	83 Methyl tert-butyl ether	73	3.304	3.304	(0.763)	3997603	1000.00	1000.0
	63 1,2-Dibromoethane	107	7.295	7.295	(1.423)	799040	1000.00	1000.0
	51 Freon-113	151	3.693	3.693	(0.826)	911190	1000.00	1000.0
	69 1,2-Dibromo-3-chloropropane	157	11.117	11.117	(1.440)	89291	1000.00	1000.0 (A)
	80 Cyclohexane	56	4.905	4.905	(0.890)	1067244	1000.00	1000.0
	81 Isopropylbenzene	105	8.679	8.679	(1.126)	4446330	1000.00	1000.0
	83 Methyl Acetate	43	2.964	2.964	(0.689)	981980	1000.00	1000.0
	83 Methylcyclohexane	83	5.944	5.944	(1.061)	3041563	1000.00	1000.0
	96 1,3,5-Trichlorobenzene	180	11.957	11.957	(1.549)	770930	1000.00	1000.0

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Chloroform
Methylene Chloride
Trichlorofluoromethane
Heptane
Carbon Disulfide
Methyl Ethyl Ketone
trans-1,3-Dichloropropene
1,1-Dichloroethane
cis-1,3-Dichloropropene
Chloroform
1,2-Dichloroethane
Trichloroethene
Bromodichloromethane
1,3-Dichloropropane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
trans-1,3-Dichloropropene
Toluene
1,1,2-Trichloroethane
Tetrachloroethene
1,2-Dibromoethane
Chlorobenzene
Ethylbenzene
Bromoform
Styrene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
Isopropylbenzene
1,3,5-Trichlorobenzene
1,2-Dichlorobenzene
1,4-Dichloro-2-chlorobenzene
1,2,4-Trichlorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux8a.i/M00908A.b/ux80199.d
Lab Smp Id: 500NG-IC Client Smp ID: VSTD100
Inj Date : 08-SEP-2000 17:15
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 500NG-IC
Misc Info : UX8a,M00908A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M00908A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:46 macenczs Quant Type: ISTD
Cal Date : 08-SEP-2000 17:15 Cal File: ux80199.d
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

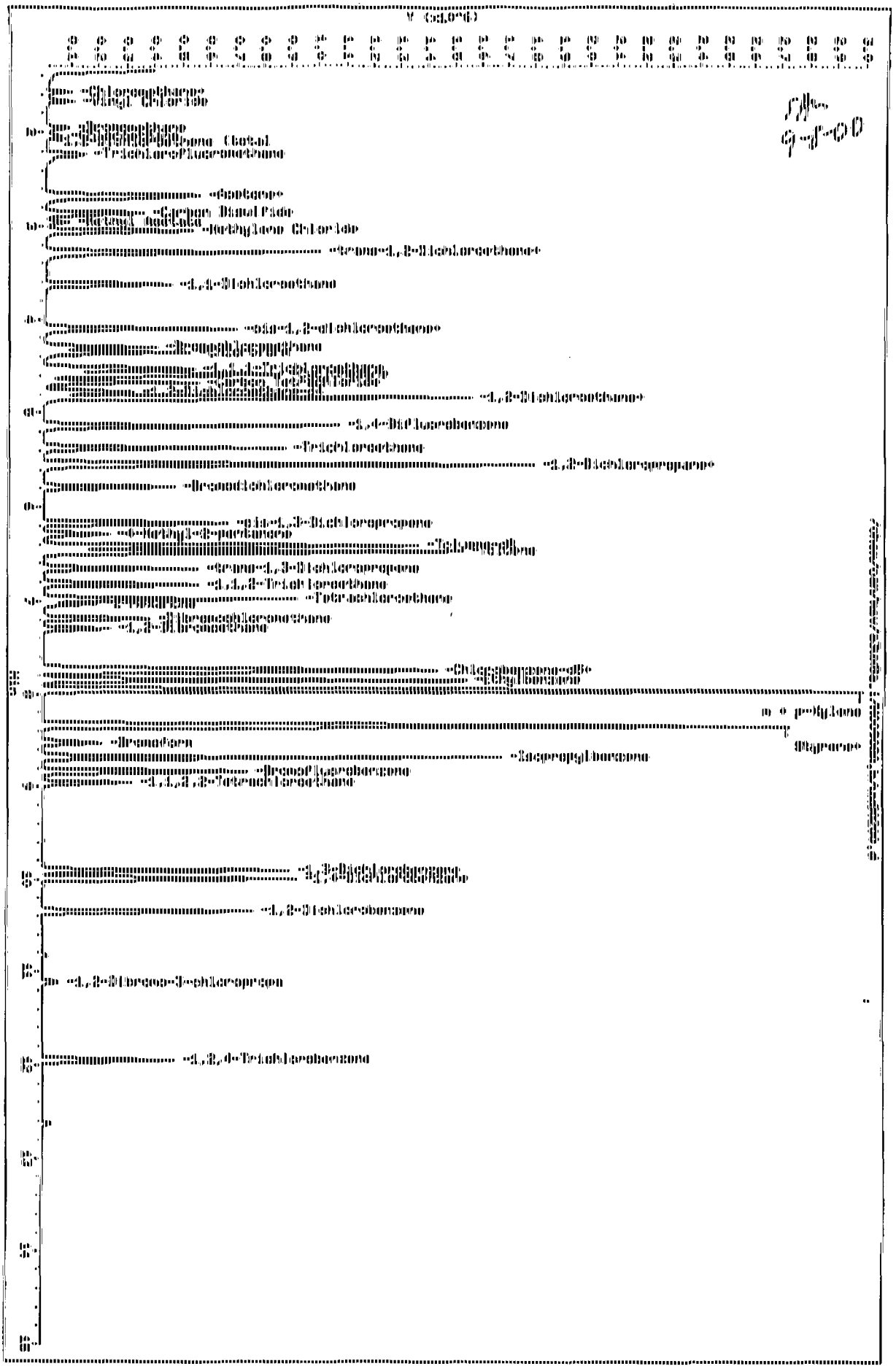
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.304	4.304	(1.000)	136999	250.000	
* 2 1,4-Difluorobenzene	114	5.132	5.132	(1.000)	903359	250.000	
* 3 Chlorobenzene-d5	117	7.724	7.724	(1.000)	784445	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.765	4.765	(1.107)	470356	500.000	508.19
$ 5 Toluene-d8	98	6.410	6.410	(0.830)	2133044	500.000	505.49
$ 6 Bromofluorobenzene	95	8.824	8.824	(1.142)	634391	500.000	517.18
8 Chloromethane	50	1.582	1.582	(0.368)	177384	500.000	496.30
10 Bromomethane	94	1.961	1.961	(0.456)	129191	500.000	511.85
9 Vinyl Chloride	62	1.677	1.677	(0.390)	192390	500.000	499.61
11 Chloroethane	64	2.044	2.044	(0.475)	166635	500.000	506.24
14 Methylene Chloride	84	3.050	3.050	(0.709)	492772	500.000	501.37
14 Acetone	43	2.683	2.683	(0.623)	248639	500.000	491.78
17 Carbon Disulfide	76	2.860	2.860	(0.665)	1238892	500.000	498.08
18 1,1-Dichloroethene	96	2.659	2.659	(0.618)	453365	500.000	498.06
21 1,1-Dichloroethane	63	3.630	3.630	(0.843)	981694	500.000	498.37
19 trans-1,2-Dichloroethene	96	3.286	3.286	(0.764)	558777	500.000	500.14

							Amounts	
		Count 413					Cal-Amt	Qc-Cal
	Compounds	Mass	RT	Exp RT	Rel RT	Response	(ug)	(ug)
	33 cis-1,2-Dichloroethene	96	4.103	4.103	(0.953)	945093	500.000	499.40
M	61 1,2-Dichloroethene (total)	96				1343060	1000.00	999.61
	34 Chloroform	83	4.391	4.393	(1.011)	893039	500.000	497.47
	37 1,2-Dichloroethane	63	4.836	4.836	(1.124)	903909	500.000	500.90
	32 2-Butanone	43	4.091	4.093	(0.950)	399263	500.000	491.60
	35 1,1,1-Trichloroethane	97	4.539	4.539	(0.843)	701304	500.000	511.36
	36 Carbon Tetrachloride	117	4.671	4.671	(0.910)	744699	500.000	503.15
	31 Bromodichloromethane	83	5.703	5.703	(1.327)	639166	500.000	503.61
	38 1,2-Dichloropropane	63	5.550	5.550	(1.043)	873069	500.000	533.54
	34 cis-1,3-Dichloropropene	75	6.174	6.174	(1.300)	799307	500.000	501.77
	39 Trichloroethene	130	5.369	5.369	(1.046)	694464	500.000	501.37
	40 Dibromochloromethane	129	7.191	7.193	(1.401)	609709	500.000	509.97
	30 1,1,2-Trichloroethane	97	6.024	6.024	(1.133)	394699	500.000	511.23
	20 Benzene	78	6.036	6.036	(0.943)	2103913	500.000	510.37
	36 trans-1,3-Dichloropropene	75	6.647	6.647	(1.395)	649011	500.000	503.04
	46 Bromoform	173	8.530	8.530	(1.663)	349779	500.000	530.63
	33 4-Methyl-2-pentanone	58	6.292	6.293	(0.815)	130796	500.000	663.70
	37 2-Hexanone	43	7.026	7.026	(0.910)	368716	500.000	669.00
	39 Tetrachloroethene	164	6.970	6.970	(0.903)	6071190	500.000	490.59
	47 1,1,2,2-Tetrachloroethane	83	8.954	8.954	(1.399)	330607	500.000	516.13
	38 Toluene	91	6.669	6.669	(0.864)	2534266	500.000	490.20
	41 Chlorobenzene	112	7.767	7.767	(1.003)	1640169	500.000	501.96
	43 Ethylbenzene	106	7.863	7.863	(1.015)	877493	500.000	500.06
	45 Styrene	104	8.339	8.339	(1.083)	1603465	500.000	533.72
	43 m + p-Xylene	106	7.960	7.960	(1.031)	2096519	1000.00	1037.0(A)
	44 Xylene-o	106	8.327	8.327	(1.078)	953060	500.000	513.90
M	06 Xylenes (total)	106				3049579	500.000	1610.6(A)
	13 Trichlorofluoromethane	101	3.333	3.333	(0.519)	363466	500.000	604.63
	7 Dichlorodifluoromethane	85	1.460	1.460	(0.335)	43401	500.000	603.63
	60 1,3-Dichlorobenzene	146	9.901	9.901	(1.283)	933765	500.000	507.10
	69 1,4-Dichlorobenzene	146	9.984	9.984	(1.293)	883346	500.000	504.06
	50 1,2-Dichlorobenzene	146	10.351	10.351	(1.340)	769170	500.000	506.93
	83 Methyl tert-butyl ether	73	3.275	3.275	(0.761)	837937	500.000	514.20
	63 1,2-Dibromoethane	107	7.390	7.390	(1.433)	361796	500.000	500.69
	51 Propene-113	151	3.695	3.695	(0.836)	383339	500.000	499.00
	69 1,2-Dibromo-3-chloropropane	157	11.130	11.130	(1.445)	49466	500.000	497.00
	90 Cyclohexane	56	4.984	4.500	(0.894)	940076	500.000	505.33
	93 Isopropylbenzene	105	8.603	8.603	(1.334)	2370317	500.000	500.23
	92 Methyl Acetate	43	3.998	3.998	(0.817)	303303	500.000	506.73
	93 Methylcyclohexane	83	5.946	5.546	(1.011)	943406	500.000	509.19
	94 1,2,4-Trichlorobenzene	180	11.940	11.940	(1.547)	308930	500.000	491.63

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Chloroform
Trichlorofluoromethane
Methylene Chloride
trans-1,2-Dichloroethene
1,1-Dichloroethane
cis-1,2-Dichloroethene
Bromochloromethane
1,2-Dichloroethane
1,1-Dichloroethene
Trichloroethene
1,2-Dichloropropane
Dibromochloromethane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Tetrachloroethene
1,3-Dibromobenzene
Chlorobenzene
Ethylbenzene
p,m-Xylene
o-Xylene
Bromoform
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane
1,3-Dichlorobenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene
Y Axis
Intensity Total
Scan 58
Rt 9.00
Filter: Amplitude/Mass/Intensity
Filter Mass: 0.00
Filter Int: 0.00
Filter Amp: 0.00
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Data Amp: 0.00
58-
9-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux8a.i/M00908A.b/ux80200.d
Lab Smp Id: 250NG-IC Client Smp ID: VSTD050
Inj Date : 08-SEP-2000 17:38
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 250NG-IC
Misc Info : UX8a,M00908A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M00908A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:46 macenczs Quant Type: ISTD
Cal Date : 08-SEP-2000 17:38 Cal File: ux80200.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	6.302	4.102	(1.000)	130017	250.000	
* 2 1,4-Difluorobenzene	116	5.130	5.130	(1.000)	949716	250.000	
* 3 Chlorobenzene-d5	117	7.722	7.722	(1.000)	773025	250.000	
$ 4 1,2-Dichloroethane-d4	65	6.775	4.775	(1.110)	224063	250.000	264.03
$ 5 Toluene-d8	98	6.404	4.600	(0.830)	1034606	250.000	249.97
$ 6 Bromofluorobenzene	95	8.834	8.834	(1.146)	306535	250.000	252.69
8 Chloromethane	50	1.581	1.581	(0.367)	48619	250.000	249.04
10 Bromomethane	94	1.959	1.959	(0.455)	48690	250.000	257.51
9 Vinyl Chloride	62	1.675	1.675	(0.389)	99222	250.000	245.39
11 Chloroethane	64	2.042	2.042	(0.475)	76360	250.000	254.52
14 Methylene Chloride	84	3.048	3.048	(0.708)	340703	250.000	260.68
16 Acetone	43	2.693	2.693	(0.626)	112334	250.000	231.38
17 Carbon Disulfide	76	2.859	2.859	(0.664)	421083	250.000	250.72
15 1,1-Dichloroethene	96	2.669	2.669	(0.620)	225505	250.000	249.21
21 1,1-Dichloroethane	63	3.628	3.628	(0.843)	488749	250.000	249.46
19 trans-1,2-Dichloroethene	96	3.285	3.285	(0.763)	281347	250.000	251.96

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS CW-COL (ng)
23 cis-1,2-dichloroethene	96	4.101	4.101	(0.953)	248365	250.000	248.13
M 81 1,2-Dichloroethane (total)	96				849753	500.000	500.00
26 Chloroform	83	4.369	4.369	(1.011)	427756	250.000	250.53
27 1,2-Dichloroethane	62	4.835	4.835	(1.124)	290560	250.000	253.16
22 2-Butanone	43	4.101	4.101	(0.953)	132706	250.000	238.30
25 1,1,1-Trichloroethane	97	4.527	4.527	(0.883)	379336	250.000	255.69
26 Carbon Tetrachloride	117	4.669	4.669	(0.910)	367436	250.000	250.29
31 Bromodichloromethane	83	5.781	5.781	(1.127)	311787	250.000	251.66
30 1,2-Dichloropropane	63	5.556	5.556	(1.083)	288441	250.000	257.57
34 cis-1,3-Dichloropropene	75	6.172	6.172	(1.203)	388956	250.000	249.22
29 Trichloroethane	130	5.367	5.367	(1.046)	327213	250.000	252.43
40 Dibromochloromethane	129	7.189	7.189	(1.401)	266449	250.000	256.74
38 1,1,2-Trichloroethane	97	6.823	6.823	(1.330)	205009	250.000	261.69
28 Benzene	78	4.835	4.835	(0.942)	1102498	250.000	257.46
36 trans-1,3-Dichloropropene	75	6.645	6.645	(1.295)	319338	250.000	250.37
66 Bromoform	173	8.526	8.526	(1.662)	126897	250.000	260.77
33 4-Methyl-2-pentanone	58	6.290	6.290	(0.815)	59898	250.000	216.37
37 2-Hexanone	43	7.036	7.036	(0.911)	146843	250.000	207.71
39 Tetrachloroethene	164	6.976	6.976	(0.903)	248859	250.000	252.93
67 1,1,2,2-Tetrachloroethane	83	8.952	8.952	(1.159)	168869	250.000	241.64
35 Toluene	91	6.468	6.468	(0.838)	1281621	250.000	255.01
41 Chlorobenzene	112	7.757	7.757	(1.005)	825365	250.000	253.66
42 Ethylbenzene	106	7.852	7.852	(1.017)	646215	250.000	255.66
45 Styrene	104	8.337	8.337	(1.080)	827825	250.000	262.38
43 m + p-Xylene	106	7.958	7.958	(1.031)	1068260	500.000	528.27
44 Xylene-o	106	8.337	8.337	(1.080)	491393	250.000	262.36
M 80 Xylenes (total)	106				1559661	250.000	832.76
12 Trichlorofluoromethane	101	2.231	2.231	(0.519)	181992	250.000	265.68
7 Dichlorodifluoromethane	85	1.450	1.450	(0.337)	19826	250.000	229.80
48 1,3-Dichlorobenzene	146	9.899	9.899	(1.282)	460426	250.000	256.28
49 1,4-Dichlorobenzene	146	9.982	9.982	(1.293)	456623	250.000	259.98
50 1,2-Dichlorobenzene	146	10.349	10.349	(1.340)	389816	250.000	258.00
82 Methyl tert-butyl ether	73	3.285	3.285	(0.763)	406049	250.000	253.40
63 1,2-Dibromoethane	107	7.296	7.296	(1.422)	182836	250.000	257.00
51 Freon-113	151	2.693	2.693	(0.426)	126904	250.000	251.24
69 1,2-Dibromo-3-chloropropane	157	11.118	11.118	(1.440)	22769	250.000	251.70
90 Cyclohexane	56	4.586	4.586	(0.896)	445348	250.000	252.41
91 Isopropylbenzene	105	8.680	8.680	(1.126)	1200911	250.000	257.09
92 Methyl Acetate	43	2.965	2.965	(0.489)	342235	250.000	254.87
93 Methylcyclohexane	83	5.545	5.545	(1.081)	445923	250.000	253.64
96 1,2,4-Trichlorobenzene	180	11.946	11.946	(1.547)	181905	250.000	239.97

Page 1
Instrumental Method
Operator: SMS
Sample Date: 04/12/2000
Client ID: VEPHAX
Data File: /Chem/Ion/Ion/Data/AMPOUL/AMPOUL.d
Acq Method: 50
Sample Amount: 500 ml
Data Dir: /Chem/Ion/Ion/Data/AMPOUL/AMPOUL.d
Y Counts
Time
Sample Amount 500 ml
Acq Method 50
Client ID VEPHAX
Operator SMS
Instrument Method
Page 1

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data File : /chem/can/msv/a3ux8a.i/M009 08A.b/ux80201.d
Lab Smp Id: 100NG-IC Client Smp ID: VSTD020
Inj Date : 08-SEP-2000 16:02
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 100NG-IC
Misc Info : UX8a,M009 08A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M009 08A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:46 macencza Quant Type: ISTD
Cal Date : 08-SEP-2000 17:38 Cal File: ux80200.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	MCXXXXX CAL-MKT (ug)	COL-COL (ug)
* 1 Bromochloromethane	128	4.301	4.301	(1.000)	197816	200.000	
* 2 1,4-Difluorobenzene	114	5.139	5.139	(1.000)	983153	200.000	
* 3 Chlorobenzene-d5	117	7.721	7.721	(1.000)	700676	200.000	
8 4 1,2-Dichloroethane-d4	65	4.774	4.774	(1.110)	94469	100.000	100.49
8 5 Toluene-d8	98	6.419	6.419	(0.831)	609306	100.000	97.419
8 6 Bromofluorobenzene	95	8.033	8.033	(1.144)	120790	100.000	98.891
8 Chloromethane	50	1.549	1.500	(0.307)	33087	100.000	96.196
10 Bromomethane	94	1.950	1.950	(0.499)	28693	100.000	97.534
9 Vinyl Chloride	62	1.674	1.674	(0.389)	36740	100.000	96.604
11 Chloroethane	64	2.093	2.053	(0.477)	20410	100.000	97.694
16 Methylene Chloride	84	3.047	3.067	(0.704)	117346	100.000	111.36
16 Acetone	43	2.693	2.693	(0.626)	49076	100.000	96.891
17 Carbon Disulfide	76	2.857	2.857	(0.664)	336604	100.000	95.312
19 1,1-Dichloroethene	96	3.464	3.460	(0.620)	86970	100.000	96.099
23 1,1-Dichloroethane	63	3.637	3.637	(0.843)	192900	100.000	97.040
19 trans-1,2-Dichloroethene	96	3.303	3.303	(0.763)	106072	100.000	95.770

		Compound	QUANT SIG MASS	RT	REF RT	REL RT	RESPONSE	MICROGS CAL-INCT (ug)	CO-CCG. (ug)
	33	cis-1,2-Dichloroethene	96	4.100	4.100	(0.953)	133137	100.000	97.035
M	01	1,2-Dichloroethane (total)	96				333999	200.000	192.02
	34	Chloroform	83	4.360	4.360	(1.014)	173190	100.000	99.456
	37	1,2-Dichloroethane	62	4.034	4.036	(1.124)	139901	100.000	99.741
	38	2-Butanone	43	4.100	4.100	(0.953)	49560	100.000	97.671
	39	1,1,1-Trichloroethane	97	4.926	4.926	(0.003)	144715	100.000	99.927
	36	Carbon Tetrachloride	117	4.660	4.660	(0.910)	143009	100.000	98.368
	31	Bromodichloromethane	83	5.700	5.700	(1.327)	134509	100.000	101.26
	30	1,2-Dichloropropane	63	5.555	5.555	(1.003)	136637	100.000	103.96
	34	cis-1,3-Dichloropropene	75	6.171	6.171	(1.303)	144170	100.000	95.963
	29	Trichloroethene	130	5.366	5.366	(1.044)	130169	100.000	100.02
	40	Dibromochloromethane	129	7.100	7.100	(1.401)	93690	100.000	99.490
	28	1,1,2-Trichloroethane	97	6.021	6.021	(1.330)	83207	100.000	103.56
	28	Benzene	78	4.034	4.034	(0.942)	633163	100.000	101.62
	36	trans-1,3-Dichloropropene	75	6.664	6.664	(1.295)	131009	100.000	97.463
	46	Bromoform	173	8.535	8.535	(1.663)	47670	100.000	99.762
	33	4-Methyl-2-pentanone	58	6.309	6.309	(0.815)	31602	100.000	81.632
	37	2-Hexanone	43	7.034	7.034	(0.911)	44453	100.000	71.393
	39	Tetrachloroethene	164	6.975	6.975	(0.903)	93930	100.000	95.143
	47	1,1,2,2-Tetrachloroethane	83	8.953	8.953	(1.159)	84563	100.000	99.117
	35	Toluene	91	6.470	6.470	(0.839)	833139	100.000	100.03
	41	Chlorobenzene	112	7.756	7.756	(1.005)	338073	100.000	99.870
	42	Ethylbenzene	106	7.851	7.853	(1.017)	370347	100.000	97.462
	45	Styrene	104	8.348	8.348	(1.011)	330063	100.000	100.34
	43	m + p-Xylene	106	7.957	7.957	(1.031)	436560	200.000	205.05
	44	Xylene-o	106	8.336	8.336	(1.080)	191037	100.000	101.06
M	00	Xylenes (total)	106				626367	100.000	324.72
	12	Trichlorofluoromethane	101	2.342	2.343	(0.931)	66054	100.000	90.727
	7	Dichlorodifluoromethane	85	1.449	1.449	(0.357)	6664	100.000	80.102
	60	1,3-Dichlorobenzene	146	9.890	9.890	(1.182)	180831	100.000	99.593
	69	1,4-Dichlorobenzene	146	9.901	9.901	(1.193)	176330	100.000	99.470
	80	1,2-Dichlorobenzene	146	10.340	10.340	(1.240)	191343	100.000	99.300
	82	Methyl tert-butyl ether	73	3.203	3.203	(0.763)	355779	100.000	97.207
	63	1,2-Dibromoethane	107	7.395	7.395	(1.423)	70043	100.000	100.51
	81	Freon-113	151	2.692	2.692	(0.626)	40075	100.000	96.806
	68	1,2-Dibromo-3-chloropropane	157	11.117	11.117	(1.460)	8031	100.000	97.395
	90	Cyclohexane	56	4.505	4.505	(0.894)	172694	100.000	95.731
	91	Isopropylbenzene	105	8.679	8.679	(1.124)	449943	100.000	96.634
	92	Methyl Acetate	43	3.964	3.964	(0.609)	80336	100.000	97.091
	93	Methylcyclohexane	83	5.544	5.544	(1.001)	170431	100.000	97.097
	94	1,2,4-Trichlorobenzene	180	11.957	11.957	(1.549)	68703	100.000	40.979

Data File /Chem32/1/Data/Apr08.b/Apr0002.d
Date : 8-Apr-2008 10:26
Client ID: VTPH0
Sample Info: EPA-8
Purge Volume: 5.0
Column phase: DB624 25m
Internal Standards
Response: 2007
Column diameter: 0.18
Page 1
Abundance
Time-->

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data File : /chem/can/msv/a3ux8a.i/M009088A.b/ux80202.d
Lab Smp Id: 50NG-IC Client Smp ID: VSTD010
Inj Date : 08-SEP-2000 18:25
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 50NG-IC
Misc Info : UX8a,M009088A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M009088A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:46 macencze Quant Type: ISTD
Cal Date : 08-SEP-2000 17:38 Cal File: ux80200.d
Alc bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxca3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	RRT	RES RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ng)
* 1 Bromochloromethane	128	6.303	6.303	(1.000)	139974	250.000	
* 2 1,4-Difluorobenzene	114	5.132	5.132	(1.000)	939406	250.000	
* 3 Chlorobenzene-d5	117	7.733	7.733	(1.000)	790453	250.000	
S 4 1,2-Dichloroethane-d4	65	6.777	6.777	(1.130)	66384	50.0000	50.409
S 5 Toluene-d8	98	6.410	6.410	(0.930)	190830	50.0000	48.753
S 6 Bromofluorobenzene	95	8.035	8.035	(1.164)	57412	50.0000	49.790
8 Chloromethane	50	1.503	1.503	(0.960)	17331	50.0000	50.307
10 Bromomethane	94	1.961	1.961	(0.656)	13799	50.0000	51.001
9 Vinyl Chloride	62	1.677	1.677	(0.990)	17874	50.0000	47.909
11 Chloroethane	64	2.043	2.043	(0.675)	14430	50.0000	50.473
16 Methylene Chloride	84	3.043	3.049	(0.709)	60793	50.0000	57.316
14 Acetone	43	2.694	2.696	(0.636)	36042	50.0000	56.235
17 Carbon Disulfide	76	3.060	3.060	(0.668)	110942	50.0000	49.945
18 1,1-Dichloroethene	96	3.499	3.499	(0.810)	63479	50.0000	49.532
21 1,1-Dichloroethane	63	3.639	3.639	(0.863)	96090	50.0000	49.360
19 trans-1,2-Dichloroethene	96	3.306	3.306	(0.764)	61033	50.0000	48.300

	Compounds	Quant Ion Mass	RT	Exp RT	Rel RT	Response	Recovery Cal-Int (ug)	Cal-Col (ug)
	33 cis-1,2-Dichloroethene	96	4.102	4.103	(0.953)	56401	50.0000	48.463
M	03 1,2-Dichloroethane (total)	96				306333	100.000	96.854
	34 Chloroform	83	4.351	4.351	(1.011)	83394	50.0000	49.141
	37 1,2-Dichloroethane	62	4.036	4.036	(1.126)	67094	50.0000	51.500
	32 2-Butanone	43	4.102	4.103	(0.953)	34136	50.0000	45.000
	35 1,1,1-Trichloroethane	97	4.520	4.530	(0.982)	73093	50.0000	50.930
	36 Carbon Tetrachloride	117	4.670	4.670	(0.910)	69233	50.0000	49.976
	31 Bromodichloromethane	83	5.703	5.703	(1.327)	99077	50.0000	50.171
	30 1,2-Dichloropropane	63	5.550	5.550	(1.049)	97669	50.0000	53.334
	34 cis-1,3-Dichloropropene	75	6.173	6.173	(1.303)	69066	50.0000	47.390
	29 Trichloroethene	130	5.360	5.360	(1.046)	63396	50.0000	50.267
	40 Dibromochloromethane	129	7.191	7.191	(1.401)	49363	50.0000	49.291
	38 1,1,2-Trichloroethane	97	6.034	6.034	(1.330)	39405	50.0000	51.663
	28 Benzene	78	6.036	6.036	(0.943)	333170	50.0000	51.373
	36 trans-1,3-Dichloropropene	75	6.666	6.666	(1.299)	97366	50.0000	47.773
	46 Bromoform	173	8.531	8.530	(1.663)	33119	50.0000	50.303
	39 4-Methyl-2-pentanone	58	6.391	6.391	(0.839)	9499	50.0000	48.022
	37 2-Hexanone	43	7.037	7.037	(0.911)	31399	50.0000	46.476
	39 Tetrachloroethene	164	6.978	6.978	(0.903)	46779	50.0000	50.367
	47 1,1,2,2-Tetrachloroethane	83	8.954	8.954	(1.159)	31905	50.0000	51.571
	35 Toluene	91	6.663	6.449	(0.830)	360490	50.0000	51.390
	41 Chlorobenzene	112	7.747	7.747	(1.003)	163707	50.0000	51.176
	43 Ethylbenzene	106	7.053	7.053	(1.027)	83384	50.0000	50.336
	45 Styrene	104	8.338	8.338	(1.000)	153833	50.0000	50.705
	43 m + p-Xylene	106	7.960	7.960	(1.031)	305031	100.000	106.06
	44 Xylene-o	106	8.337	8.337	(1.070)	80633	50.0000	49.445
M	00 Xylene (total)	106				390663	50.0000	103.96
	33 Trichlorofluoromethane	101	2.233	2.233	(0.919)	33103	50.0000	47.475
	7 Dichlorodifluoromethane	85	1.453	1.453	(0.337)	5590	50.0000	41.936
	48 1,3-Dichlorobenzene	146	9.900	9.900	(1.102)	84697	50.0000	49.432
	49 1,4-Dichlorobenzene	146	9.903	9.903	(1.101)	83720	50.0000	49.909
	50 1,2-Dichlorobenzene	146	10.350	10.350	(1.140)	73092	50.0000	50.040
	03 Methyl tert-butyl ether	73	3.386	3.386	(0.766)	73996	50.0000	47.689
	63 1,2-Dibromoethane	107	7.297	7.297	(1.432)	34302	50.0000	50.194
	51 Freon-113	151	3.694	3.694	(0.836)	34007	50.0000	49.034
	69 1,2-Dibromo-3-chloropropane	157	11.119	11.119	(1.440)	4386	50.0000	50.665
	90 Cyclohexane	56	4.507	4.507	(0.996)	70601	50.0000	46.493 (a)
	91 Isopropylbenzene	105	8.602	8.603	(1.136)	309600	50.0000	47.339 (a)
	92 Methyl Acetate	43	2.966	2.966	(0.449)	39003	50.0000	47.910 (a)
	93 Methylcyclohexane	83	5.946	5.946	(1.081)	80304	50.0000	46.692 (a)
	96 1,2,4-Trichlorobenzene	180	11.947	11.947	(1.647)	30812	50.0000	45.170 (a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 101248

Instrument ID: A3UK9 Calibration Date(s): 09/07/00 09/07/00

Heated Purge: (Y/N) Y Calibration Time(s): 0610 0742

GC Column: RTX502.2 ID: 0.53 (mm)

LAB FILE ID: RRF10 =UK9798 RRF20 =UK9797
RRF50 =UK9796 RRF100=UK9795 RRF200=UK9794

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Chloromethane		2.603	2.478	2.399	2.409	2.350	2.448	4.0
Bromomethane	*	1.345	1.255	1.195	1.197	1.158	1.230	6.0*
Vinyl Chloride	*	2.335	2.203	2.179	2.181	2.128	2.205	3.5*
Chloroethane		1.613	1.433	1.408	1.406	1.402	1.452	6.2
Methylene Chloride		2.221	2.046	2.021	2.074	2.034	2.079	3.9
Acetone		3.021	2.480	2.555	2.710	2.878	2.729	8.2
Carbon Disulfide		5.661	5.439	5.400	5.488	5.516	5.501	1.8
1,1-Dichloroethene	*	1.678	1.593	1.648	1.658	1.693	1.654	2.3*
1,1-Dichloroethane	*	4.415	4.179	4.066	4.127	4.130	4.183	3.2*
1,2-Dichloroethene (total)		2.104	2.022	2.010	2.065	2.036	2.047	1.8
Chloroform	*	3.286	3.220	3.214	3.197	3.194	3.222	1.2*
1,2-Dichloroethane	*	3.394	3.146	3.063	3.172	3.140	3.183	3.9*
2-Butanone		3.332	2.913	3.065	3.319	3.564	3.239	7.8
1,1,1-Trichloroethane	*	0.383	0.362	0.383	0.370	0.376	0.375	2.4*
Carbon Tetrachloride	*	0.276	0.281	0.300	0.297	0.305	0.292	4.3*
Bromodichloromethane	*	0.337	0.355	0.365	0.361	0.371	0.358	3.6*
1,2-Dichloropropane		0.422	0.408	0.412	0.397	0.413	0.410	2.2
cis-1,3-Dichloropropene	*	0.443	0.451	0.489	0.478	0.495	0.471	4.9*
Trichloroethene	*	0.358	0.345	0.356	0.336	0.345	0.348	2.6*
Dibromochloromethane	*	0.245	0.236	0.269	0.275	0.291	0.263	8.5*
1,1,2-Trichloroethane	*	0.295	0.277	0.279	0.277	0.284	0.282	2.7*
Benzene	*	1.397	1.353	1.365	1.307	1.345	1.353	2.4*
trans-1,3-Dichloropropene	*	0.356	0.351	0.393	0.405	0.426	0.386	8.3*
Bromoform	*	0.128	0.132	0.150	0.164	0.177	0.150	13.8*
4-Methyl-2-pentanone		0.223	0.206	0.228	0.234	0.279	0.234	11.6
2-Hexanone		0.645	0.587	0.641	0.687	0.760	0.664	9.7
Tetrachloroethene	*	0.317	0.300	0.302	0.295	0.302	0.303	2.7*
1,1,2,2-Tetrachloroethane	*	0.427	0.400	0.407	0.400	0.410	0.409	2.7*
Toluene	*	1.644	1.627	1.633	1.593	1.634	1.626	1.2*
Chlorobenzene	*	1.152	1.110	1.116	1.072	1.095	1.109	2.7*
Ethylbenzene	*	0.616	0.598	0.615	0.597	0.607	0.607	1.5*
Styrene	*	1.201	1.201	1.271	1.240	1.286	1.240	3.2*
Xylenes (total)	*	0.762	0.738	0.755	0.726	0.740	0.744	1.9*
Toluene-d8		1.211	1.258	1.288	1.291	1.292	1.268	2.8
Bromofluorobenzene	*	0.419	0.442	0.442	0.439	0.444	0.437	2.4*
1,2-Dichloroethane-d4		2.144	2.132	2.130	2.244	2.159	2.162	2.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA OLM03.0

Data File: /chem/can/msv/a3ux9.1/N00907A-CLP.b/ux9794.d

Date : 07-SEP-2000 06:10

Client ID: VBTS200

Sample Info: 1000ND-IC

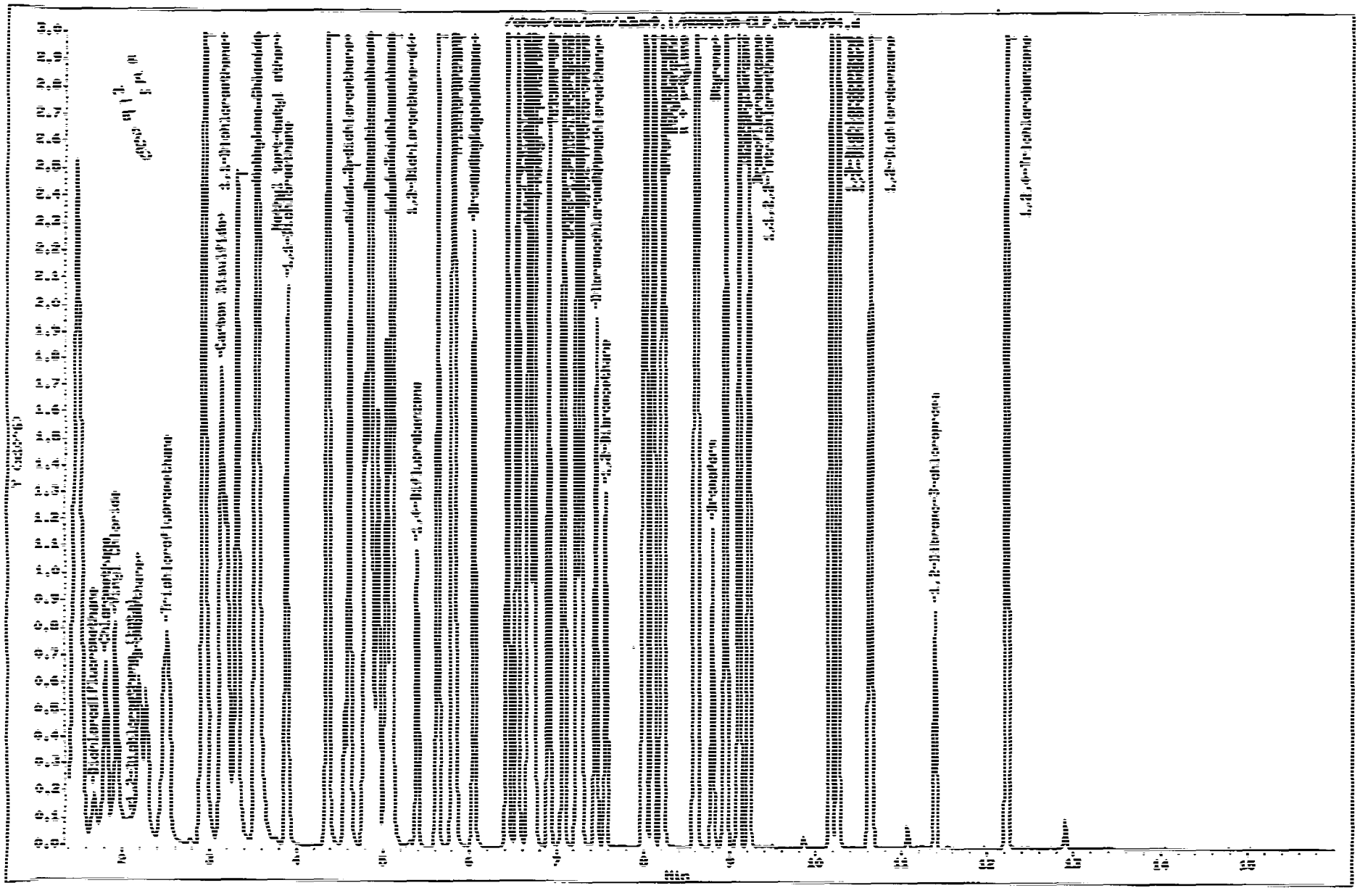
Column phase: RTM502.2

Instrument: a3ux9.1

Operator: 01819

Column diameter: 0.53

Page 5



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9794.d
Lab Smp Id: 1000NG-IC Client Smp ID: VSTD200
Inj Date : 07-SEP-2000 06:10
Operator : 01819 Inst ID: a3ux9.i
Smp Info : 1000NG-IC
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 12-Sep-2000 03:04 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	RHL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	4.564	4.564	(1.000)	152181	350.000	
* 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	962424	350.000	
* 3 Chlorobenzene-d5	117	7.984	7.986	(1.000)	868710	350.000	
$ 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	1316180	1000.00	998.69
$ 5 Toluene-d8	98	6.671	6.671	(0.835)	4489834	1000.00	1019.1(A)
$ 6 Bromofluorobenzene	95	9.096	9.096	(1.139)	1566104	1000.00	1016.1(A)
7 Dichlorodifluoromethane	85	1.665	1.665	(0.365)	460702	1000.00	947.39
8 Chloromethane	50	1.807	1.807	(0.396)	1430672	1000.00	960.07
9 Vinyl Chloride	62	1.926	1.926	(0.622)	1295634	1000.00	965.04
10 Bromomethane	96	2.186	2.186	(0.679)	706722	1000.00	941.26
11 Chloroethane	64	2.269	2.269	(0.697)	853699	1000.00	965.53
12 Trichlorofluoromethane	101	2.517	2.517	(0.552)	1625503	1000.00	1039.1(A)
13 1,1-Dichloroethene	96	2.920	2.920	(0.660)	1030829	1000.00	1023.8(A)
51 Freon-113	151	2.943	2.943	(0.665)	479953	1000.00	995.16
14 Acetone	43	2.931	2.931	(0.662)	1752131	1000.00	1056.8(A)

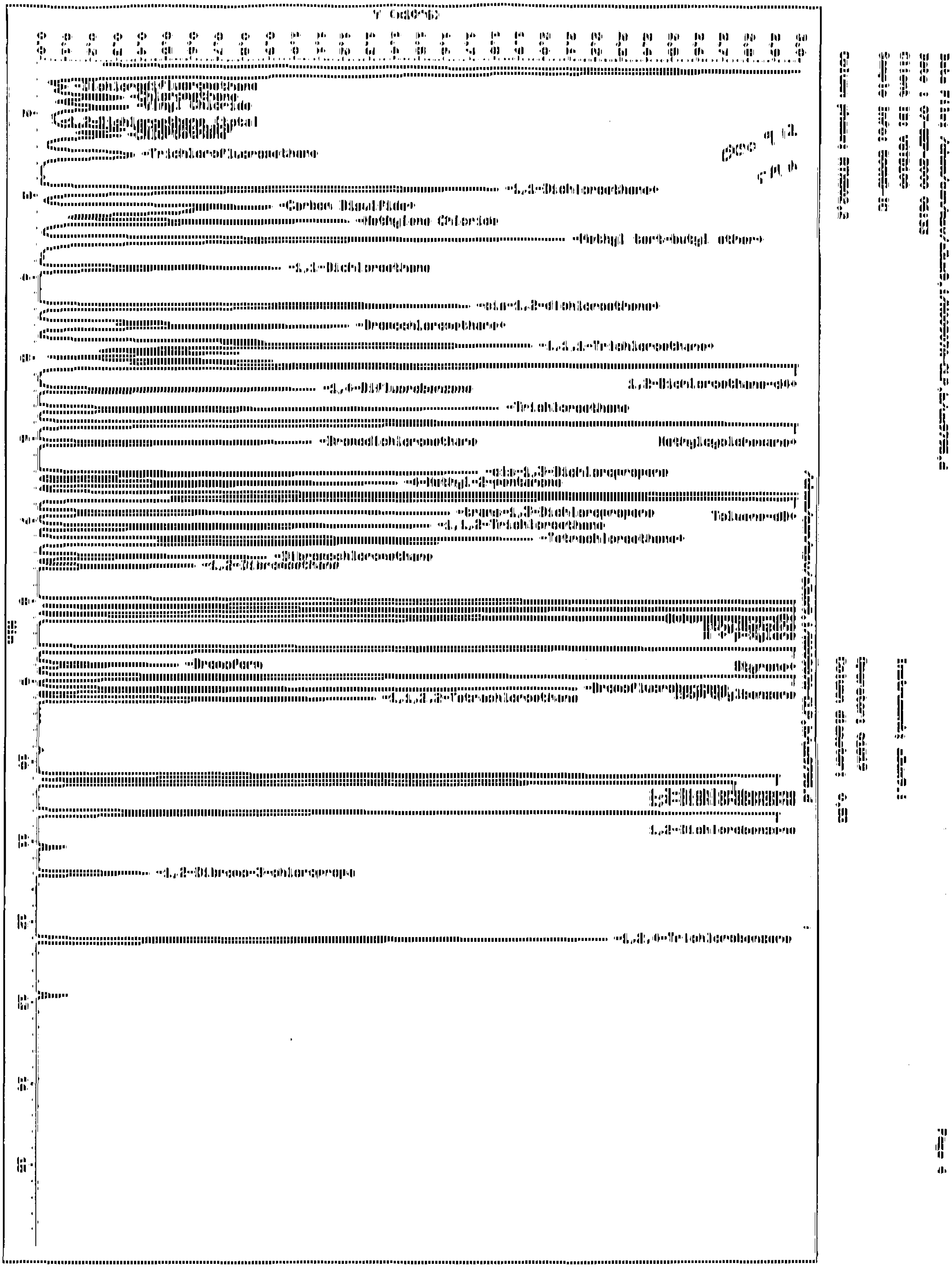
		Compounds	QUANT SIG MASS	RT	RRT RT	REL RT	RESPONSE	MODIFIER CAL-MET (ug)	OH-CAL (ug)
	17	Carbon Disulfide	76	1.133	1.133	(0.606)	3357931	1000.00	1003.7(A)
	92	Methyl Acetate	43	1.304	1.304	(0.703)	1367776	1000.00	1027.9(A)
	16	Methylene Chloride	84	1.333	1.332	(0.720)	1330487	1000.00	970.46
	82	Methyl tert-butyl ether	73	1.647	1.647	(0.777)	3438035	1000.00	980.27
	19	trans-1,2-Dichloroethene	96	1.647	1.647	(0.777)	3366735	1000.00	993.43
	33	cis-1,2-dichloroethene	96	4.363	4.363	(0.966)	3391004	1000.00	995.05
M	41	1,2-Dichloroethene (total)	96				3470609	2000.00	1990.6(A)
	31	1,1-Dichloroethane	63	3.890	3.899	(0.862)	2916349	1000.00	987.30
	32	2-Butanone	43	4.351	4.351	(0.963)	2349604	1000.00	1100.5(A)
	34	Chloroform	83	4.612	4.633	(1.010)	1944363	1000.00	991.29
	35	1,1,1-Trichloroethane	97	4.801	4.801	(0.990)	1440979	1000.00	1003.7(A)
	90	Cyclohexane	84	4.860	4.860	(1.065)	2990950	1000.00	994.27
	36	Carbon Tetrachloride	117	4.943	4.943	(0.917)	1173799	1000.00	1044.4(A)
	37	1,2-Dichloroethane	62	5.097	5.097	(1.117)	1931604	1000.00	986.60
	38	Benzene	78	5.097	5.097	(0.946)	5170068	1000.00	993.96
	39	Trichloroethene	130	5.639	5.639	(1.044)	1330361	1000.00	993.19
	93	Methylcyclohexane	83	5.807	5.807	(1.273)	3366990	1000.00	979.90
	30	1,2-Dichloropropane	63	5.819	5.819	(1.079)	1500810	1000.00	1006.7(A)
	31	Bromodichloromethane	83	6.043	6.043	(1.122)	1620805	1000.00	1036.6(A)
	34	cis-1,3-Dichloropropene	75	6.433	6.433	(1.191)	1905409	1000.00	1050.6(A)
	33	4-Methyl-2-pentanone	58	6.940	6.940	(0.819)	969905	1000.00	1193.0(A)
	35	Toluene	91	6.730	6.730	(0.863)	9679830	1000.00	1005.1(A)
	36	trans-1,3-Dichloropropene	75	6.907	6.907	(1.281)	1630499	1000.00	1102.1(A)
	38	1,1,2-Trichloroethane	97	7.085	7.085	(1.314)	1409869	1000.00	1005.6(A)
	39	Tetrachloroethene	164	7.339	7.339	(0.907)	1460374	1000.00	996.99
	37	2-Hexanone	43	7.306	7.346	(0.913)	3461398	1000.00	1146.9(A)
	40	Dibromochloromethane	129	7.452	7.452	(1.382)	1320082	1000.00	1106.3(A)
	83	1,2-Dibromoethane	107	7.570	7.570	(1.406)	1076333	1000.00	1011.3(A)
	41	Chlorobenzene	112	8.030	8.030	(1.000)	3096476	1000.00	987.10
	42	Ethylbenzene	106	8.114	8.114	(1.016)	3310670	1000.00	1000.0(A)
	43	m + p-Xylene	106	8.231	8.231	(1.030)	5339031	2000.00	2032.7(AM)
M	40	Xylenes (total)	106				7010709	3000.00	3030.0(A)
	45	Styrene	104	8.599	8.599	(1.077)	4470170	1000.00	1037.0(A)
	44	Xylene-o	106	8.599	8.599	(1.077)	2970090	1000.00	994.03
	46	Bromoform	173	8.709	8.709	(1.040)	611303	1000.00	1170.0(A)
	91	Isopropylbenzene	105	8.963	8.963	(1.959)	3691001	1000.00	1000.7(A)
	47	1,1,2,2-Tetrachloroethane	83	9.235	9.235	(1.156)	3438550	1000.00	1003.9(A)
	48	1,3-Dichlorobenzene	146	10.173	10.173	(1.370)	3994737	1000.00	998.03
	49	1,4-Dichlorobenzene	146	10.256	10.294	(1.385)	3943009	1000.00	907.04
	50	1,2-Dichlorobenzene	146	10.623	10.633	(1.330)	3770696	1000.00	975.54
	69	1,2-Dibromo-3-chloropropane	157	11.392	11.392	(1.427)	304309	1000.00	1113.0(A)
	94	1,2,4-Trichlorobenzene	180	12.232	12.233	(2.640)	1607930	1000.00	990.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

QC Flag Legend

H - Operator selected an alternate compound hit.


Data File: /chem/csm/msv/a3sm9.i/H00907A-CLP.b/sm9798.d
Date : 07-SEP-2000 06:33
Client ID: VSTD100
Sample Info: 500NG-IC
Column phase: RTXB02,2
Instrument: a3sm9.i
Operator: 01619
Column diameter: 0.53
Page 4
Y (x10^6)
Min
Dichlorodifluoromethane
Chloromethane
Vinyl Chloride
1,2-Dichloroethene (total)
Chloroethane
Trichlorofluoromethane
1,1-Dichloroethene
Carbon Disulfide
Methylene Chloride
Methyl tert-butyl ether
1,1-Dichloroethane
cis-1,2-dichloroethene
Bromochloromethane
1,1,1-Trichloroethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Trichloroethene
Bromodichloromethane
Methylcyclohexane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Tetrachloroethene
Dibromochloromethane
1,2-Dibromoethane
Bromoform
Styrene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9795.d
Lab Smp Id: 500NG-IC Client Smp ID: VSTD100
Inj Date : 07-SEP-2000 06:33
Operator : 01819 Inst ID: a3ux9.i
Smp Info : 500NG-IC
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 12-Sep-2000 03:04 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	4.565	4.565	(1.000)	147928	250.000	
* 2 1,4-Difluorobenzene	114	5.396	5.394	(1.000)	965120	250.000	
* 3 Chlorobenzene-d5	117	7.985	7.985	(1.000)	874386	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.039	5.039	(1.104)	663879	500.000	519.01
$ 5 Toluene-d8	98	6.672	6.673	(0.836)	2262366	500.000	508.99
$ 6 Bromofluorobenzene	95	9.097	9.097	(1.139)	769190	500.000	501.73
7 Dichlorodifluoromethane	85	1.678	1.678	(0.368)	232521	500.000	535.08
8 Chloromethane	50	1.796	1.794	(0.393)	733616	500.000	492.03
9 Vinyl Chloride	62	1.915	1.915	(0.419)	649268	500.000	494.50
10 Bromomethane	94	2.187	2.187	(0.479)	354269	500.000	484.74
11 Chloroethane	64	2.270	2.270	(0.497)	435877	500.000	483.87
12 Trichlorofluoromethane	101	2.495	2.495	(0.546)	748511	500.000	505.40
13 1,1-Dichloroethene	96	2.921	2.921	(0.640)	490690	500.000	501.17
51 Freon-113	151	2.932	2.932	(0.642)	441038	500.000	513.12
14 Acetone	43	2.932	2.932	(0.642)	801653	500.000	496.49

	Compounds	QUANT SIG MASS	RT	RRT	RRT RT	SPECTRUM	AMOUNTS COL-REF (ug)	OP-COL (ug)
	17 Carbon Disulfide	76	3.334	3.334	(0.606)	1632752	500.000	490.07
	32 Methyl Acetate	43	3.305	3.305	(0.703)	683743	500.000	500.37
	16 Methylene Chloride	84	3.333	3.333	(0.736)	413764	500.000	498.74
	03 Methyl tert-butyl ether	73	3.540	3.540	(0.777)	1336607	500.000	471.93
	39 trans-1,2-Dichloroethene	96	3.540	3.540	(0.777)	902304	500.000	505.09
	30 cis-1,2-dichloroethene	96	4.364	4.364	(0.956)	634561	500.000	503.00
M	01 1,2-Dichloroethene (total)	96				1336986	1000.00	1004.9 (A)
	31 1,1-Dichloroethane	63	3.891	3.891	(0.853)	1330031	500.000	493.33
	33 2-Butanone	43	4.392	4.392	(0.963)	903045	500.000	513.37
	34 Chloroform	83	4.633	4.633	(1.010)	948934	500.000	496.35
	35 1,1,1-Trichloroethane	97	4.802	4.802	(0.190)	713994	500.000	499.31
	90 Cyclohexane	84	4.861	4.861	(1.065)	1471631	500.000	510.20
	36 Carbon Tetrachloride	117	4.944	4.944	(0.937)	974320	500.000	509.53
	37 1,2-Dichloroethane	62	5.090	5.090	(1.117)	930529	500.000	494.29
	38 Benzene	78	5.094	5.090	(0.945)	3523319	500.000	493.76
	39 Trichloroethene	130	5.631	5.630	(1.064)	500441	500.000	493.50
	93 Methylcyclohexane	83	5.804	5.804	(1.273)	1138891	500.000	510.12
	40 1,2-Dichloropropane	63	5.830	5.830	(1.079)	766331	500.000	493.72
	31 Bromodichloromethane	83	6.066	6.044	(1.131)	897139	500.000	506.47
	34 cis-1,3-Dichloropropene	75	6.423	6.423	(1.191)	933693	500.000	507.33
	33 4-Methyl-2-pentanone	58	6.561	6.561	(0.819)	630609	500.000	500.33
	35 Toluene	91	6.731	6.731	(0.843)	2793452	500.000	489.60
	36 trans-1,3-Dichloropropene	75	6.908	6.908	(1.281)	703151	500.000	536.06
	38 1,1,2-Trichloroethane	97	7.074	7.074	(1.312)	538107	500.000	490.67
	39 Tetrachloroethene	164	7.240	7.240	(0.907)	917194	500.000	486.93
	37 2-Hexanone	43	7.307	7.307	(0.913)	1300743	500.000	517.43
	40 Dibromochloromethane	129	7.653	7.653	(1.382)	930567	500.000	533.03
	63 1,2-Dibromoethane	107	7.571	7.571	(1.404)	536999	500.000	503.09
	61 Chlorobenzene	112	8.031	8.030	(1.004)	1074463	500.000	483.30
	62 Ethylbenzene	106	8.103	8.103	(1.015)	1044060	500.000	491.72
	63 m + p-Xylene	106	8.210	8.210	(1.028)	2503167	1000.00	900.44
M	00 Xylenes (total)	106				3056167	500.000	1077.9 (A)
	45 Styrene	104	8.603	8.603	(1.077)	2173313	500.000	499.94
	64 Xylene-o	106	8.603	8.600	(1.077)	1173000	500.000	487.09
	46 Bromoform	173	8.790	8.790	(1.010)	316176	500.000	545.14
	93 Isopropylbenzene	105	8.943	8.943	(1.959)	1033710	500.000	534.94
	67 1,1,2,2-Tetrachloroethane	83	9.316	9.316	(1.194)	701153	500.000	489.32
	68 1,3-Dichlorobenzene	146	10.143	10.143	(1.273)	1094155	500.000	499.19
	69 1,4-Dichlorobenzene	146	10.357	10.357	(1.305)	1081396	500.000	493.45
	90 1,2-Dichlorobenzene	146	10.634	10.634	(1.330)	1113047	500.000	493.40
	40 1,2-Dibromo-3-chloropropane	157	11.393	11.393	(1.427)	139739	500.000	457.79
	94 1,2,4-Trichlorobenzene	180	12.233	12.233	(2.480)	900010	500.000	549.74

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Page 1
Instrument 5890
Operator GEO
Column diameter 0.53
Acquisition Date 1/MAR/94 AP/MS/TS.I
Data File /Chem/ms/data/1MAR94 AP/MS/TS.I
Date 07-Mar-2000 08:06
Client ID: Volume
Sample Inst 2000-0
Column Phase: SPB-5
GC/MS Vol 5
Y (10^6)
Hr
Chloromethane
Vinyl Chloride
Bromomethane
Chloroethane (Gas)
Trichlorofluoromethane
1,1-Dichloroethene
Carbon Disulfide
Methylene Chloride
trans-1,2-Dichloroethene
1,1-Dichloroethane
cis-1,2-Dichloroethene
2,2-Dichlorobutane
1,1,1-Trichloroethane
Carbon Tetrachloride
1,2-Dichloropropane
1,1-Dichloropropene
Trichloroethene
Dibromomethane
Bromodichloromethane
trans-1,3-Dichloropropene
cis-1,3-Dichloropropene
1,1,2-Trichloroethane
Toluene-d8
Tetrachloroethene
1,3-Dichloropropane
Dibromochloromethane
1,2-Dibromoethane
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m + p-Xylene
Bromoform
Styrene
Isopropylbenzene
1,1,2,2-Tetrachloroethane
Bromobenzene
1,2,3-Trichloropropane
n-Propylbenzene
2-Chlorotoluene
4-Chlorotoluene
1,3,5-Trimethylbenzene
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
p-Isopropyltoluene
1,2-Dichlorobenzene
n-Butylbenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9796.d
Lab Smp Id: 250NG-IC Client Smp ID: VSTD050
Inj Date : 07-SEP-2000 06:56
Operator : 01819 Inst ID: a3ux9.i
Smp Info : 250NG-IC
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 12-Sep-2000 03:04 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	RHL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.565	4.565	(1.000)	152666	250.000	
* 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	942933	250.000	
* 3 Chlorobenzene-d5	117	7.985	7.985	(1.000)	957922	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	324705	250.000	266.29
$ 5 Toluene-d8	98	6.671	6.671	(0.836)	1109411	250.000	254.05
$ 6 Bromofluorobenzene	95	9.097	9.097	(1.139)	379490	250.000	252.86
7 Dichlorodifluoromethane	85	1.678	1.678	(0.368)	316135	250.000	250.07
8 Chloromethane	50	1.784	1.784	(0.391)	365735	250.000	245.01
9 Vinyl Chloride	62	1.914	1.914	(0.419)	332263	250.000	247.04
10 Bromomethane	94	2.186	2.186	(0.479)	182154	250.000	242.84
11 Chloroethane	64	2.269	2.269	(0.497)	234737	250.000	242.63
12 Trichlorofluoromethane	101	2.506	2.506	(0.549)	304905	250.000	246.87
13 1,1-Dichloroethene	96	2.932	2.932	(0.643)	251357	250.000	269.09
51 Freon-113	151	2.944	2.944	(0.645)	219603	250.000	267.89
14 Acetone	43	2.932	2.932	(0.643)	509502	250.000	234.05

	Compounds	QUANT SIG MASS	RT	EXP RT	RRT	RRT/COMB	INCEPTS CAL-AVG (ug)	QC-CCC (ug)
	17 Carbon Disulfide	76	3.133	3.133	(0.600)	033360	250.000	245.40
	92 Methyl Acetate	43	3.204	3.204	(0.703)	337250	250.000	239.73
	16 Methylene Chloride	84	3.333	3.333	(0.738)	300153	250.000	243.99
	82 Methyl tert-butyl ether	73	3.647	3.647	(0.777)	703045	250.000	243.49
	19 trans-1,2-Dichloroethene	96	3.947	3.947	(0.777)	393033	250.000	245.17
	33 cis-1,2-dichloroethene	96	4.364	4.364	(0.956)	319684	250.000	245.75
M	83 1,2-Dichloroethane (total)	94				613077	500.000	490.94
	32 1,1-Dichloroethane	63	3.490	3.490	(0.821)	639806	250.000	242.97
	22 2-Butanone	43	4.352	4.352	(0.933)	667370	250.000	236.84
	24 Chloroform	83	4.612	4.612	(1.030)	689965	250.000	249.34
	25 1,1,1-Trichloroethane	97	4.801	4.801	(0.890)	363440	250.000	255.50
	90 Cyclohexane	56	4.861	4.861	(1.065)	706643	250.000	251.10
	26 Carbon Tetrachloride	117	4.943	4.943	(0.917)	383300	250.000	257.11
	27 1,2-Dichloroethane	62	5.097	5.097	(1.117)	467077	250.000	240.60
	28 Benzene	78	5.097	5.097	(0.945)	1207151	250.000	253.34
	29 Trichloroethene	130	5.630	5.630	(1.044)	335603	250.000	255.46
	93 Methylcyclohexane	83	5.807	5.807	(1.273)	579074	250.000	251.91
	30 1,2-Dichloropropane	63	5.919	5.919	(1.079)	303306	250.000	250.90
	31 Bromodichloromethane	83	6.044	6.044	(1.121)	304526	250.000	255.14
	34 cis-1,3-Dichloropropene	75	6.423	6.423	(1.191)	663191	250.000	259.58
	35 4-Methyl-2-pentanone	58	6.541	6.541	(0.919)	199499	250.000	243.96
	35 Toluene	91	6.730	6.730	(0.943)	1403392	250.000	253.09
	36 trans-1,3-Dichloropropene	75	6.908	6.908	(1.282)	370053	250.000	256.65
	38 1,1,2-Trichloroethane	97	7.005	7.005	(1.116)	362903	250.000	246.74
	39 Tetrachloroethene	164	7.239	7.239	(0.907)	299390	250.000	249.20
	37 2-Hexanone	43	7.206	7.206	(0.913)	595367	250.000	241.63
	40 Dibromochloromethane	129	7.652	7.652	(1.242)	293300	250.000	254.32
	63 1,2-Dibromoethane	107	7.559	7.559	(1.401)	267309	250.000	254.37
	61 Chlorobenzene	112	8.020	8.020	(1.004)	987792	250.000	253.65
	42 Ethylbenzene	106	8.103	8.103	(1.014)	527967	250.000	253.52
	43 m + p-Xylene	106	8.331	8.331	(1.030)	1295416	500.000	506.35
M	80 Xylene (total)	106				1963170	250.000	760.76
	45 Styrene	104	8.600	8.600	(1.077)	1090631	250.000	256.31
	44 Xylene-o	106	8.600	8.600	(1.077)	447764	250.000	253.66
	46 Bromoform	173	8.709	8.709	(1.630)	141730	250.000	250.03
	91 Isopropylbenzene	105	8.943	8.943	(1.959)	904704	250.000	253.29
	47 1,1,2,2-Tetrachloroethane	83	9.315	9.315	(1.154)	349320	250.000	244.65
	60 1,3-Dichlorobenzene	146	10.174	10.174	(1.374)	736756	250.000	250.09
	49 1,4-Dichlorobenzene	146	10.256	10.256	(1.383)	733339	250.000	250.60
	50 1,2-Dichlorobenzene	146	10.623	10.623	(1.330)	690100	250.000	250.00
	69 1,3-Dibromo-3-chloropropane	157	11.393	11.392	(1.037)	58004	250.000	237.75
	94 1,2,4-Trichlorobenzene	180	12.331	12.331	(1.677)	403472	250.000	230.06

Methylene Chloride
Chloroform
Carbon Disulfide
1,1-Dichloroethane
1,2-Dichloroethane
Trichloroethene
Benzene
Toluene
Chlorobenzene
Ethylbenzene
m + p-Xylene
Styrene
o-Xylene
1,1,2,2-Tetrachloroethane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4-Trichlorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data File : /chem/can/msv/a3uxc9.i/N00907A-CLP.b/ux9797.d
Lab Smp Id: 100NG-IC Client Smp ID: VSTD020
Inj Date : 07-SEP-2000 07:19
Operator : 01819 Inst ID: a3uxc9.i
Smp Info : 100NG-IC
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3uxc9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 12-Sep-2000 03:04 mcdaniee Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Subset: 8260.sub
Target Version: 3.50
Processing Host: hpuxcc3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	RRT	RRT COMP	AMOUNTS CAL-AMT (ug)	CH-COL (ug)
* 1 Bromochloromethane	130	4.944	4.564	(1.000)	183767	200.000	
* 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	999495	200.000	
* 3 Chlorobenzene-d5	117	7.904	7.904	(1.000)	880126	200.000	
4 4 1,2-Dichloroethane-d4	65	5.038	5.050	(1.104)	130302	100.000	90.461
5 5 Toluene-d8	98	6.671	6.671	(0.938)	633475	100.000	99.308
6 6 Bromofluorobenzene	95	9.094	9.096	(1.139)	181437	100.000	101.16
7 Dichlorodifluoromethane	85	1.677	1.677	(0.367)	67135	100.000	101.11
8 Chloromethane	50	1.795	1.795	(0.393)	163417	100.000	101.20
9 Vinyl Chloride	62	1.936	1.936	(0.423)	136635	100.000	99.905
10 Bromomethane	94	2.190	2.190	(0.402)	76007	100.000	101.01
11 Chloroethane	64	2.301	2.301	(0.500)	87902	100.000	90.470
12 Trichlorofluoromethane	101	2.517	2.517	(0.552)	151991	100.000	96.933
13 1,1-Dichloroethene	96	2.931	2.931	(0.642)	97340	100.000	96.316
51 Freon-113	151	2.995	2.995	(0.657)	67100	100.000	90.335
14 Acetone	43	2.963	2.943	(0.645)	131939	100.000	90.011

	Compounds	QUANT SIG MASS	RT	EXP RT	REF RT	RESPONSE	Recovery CRL-JOE (ug)	CW-COE (ug)
	27 Carbon Disulfide	76	3.133	3.133	(0.684)	333369	100.000	98.476
	28 Methyl Acetate	43	3.315	3.315	(0.724)	133700	100.000	97.473
	16 Methylene Chloride	84	3.332	3.332	(0.728)	139001	100.000	98.373
	42 Methyl tert-butyl ether	73	3.647	3.647	(0.777)	290331	100.000	99.937
	19 trans-1,2-Dichloroethene	96	3.647	3.647	(0.777)	110095	100.000	99.148
	33 cis-1,2-dichloroethene	96	4.363	4.363	(0.946)	130204	100.000	98.630
D	03 1,2-Dichloroethane (ecal)	98				347179	300.000	197.56
	32 1,1-Dichloroethane	63	3.890	3.890	(0.843)	388391	100.000	99.906
	22 2-Butanone	43	4.361	4.361	(0.963)	170620	100.000	99.995
	34 Chloroform	83	4.634	4.634	(1.013)	190740	100.000	99.938
	35 1,1,1-Trichloroethane	97	4.801	4.801	(0.490)	130991	100.000	94.576
	36 Cyclohexane	56	4.860	4.860	(1.065)	330909	100.000	96.036
	38 Carbon Tetrachloride	117	4.963	4.963	(0.917)	107904	100.000	96.307
	37 1,2-Dichloroethane	62	5.097	5.097	(1.117)	193313	100.000	98.410
	38 Benzene	78	5.097	5.097	(0.945)	633390	100.000	99.989
	39 Trichloroethene	130	5.639	5.639	(1.044)	133500	100.000	99.344
	93 Methylcyclohexane	83	5.807	5.807	(1.273)	319843	100.000	95.334
	40 1,2-Dichloropropane	63	5.819	5.819	(1.279)	156737	100.000	94.833
	41 Bromodichloromethane	83	6.043	6.043	(1.121)	136174	100.000	99.133
	24 cis-1,3-Dichloropropene	75	6.434	6.434	(1.193)	173043	100.000	99.706
	83 4-Methyl-2-pentanone	91	6.560	6.560	(0.819)	70667	300.000	87.937
	25 Toluene	91	6.730	6.730	(0.843)	664500	100.000	100.05
	26 trans-1,3-Dichloropropene	75	6.907	6.907	(1.281)	134705	100.000	99.994
	30 1,1,2-Trichloroethane	97	7.085	7.085	(1.314)	106130	100.000	98.051
	29 Tetrachloroethene	164	7.339	7.339	(0.907)	102969	100.000	98.933
	27 2-Hexanone	43	7.386	7.386	(0.913)	301439	100.000	84.353
	46 Dibromochloromethane	129	7.452	7.453	(1.382)	90799	100.000	89.889
	63 1,2-Dibromoethane	107	7.570	7.570	(1.404)	101023	100.000	98.310
	61 Chlorobenzene	112	8.020	8.020	(1.000)	301001	100.000	100.10
	62 Ethylbenzene	106	8.102	8.102	(1.010)	309369	100.000	98.991
	63 m + p-Xylene	106	8.221	8.221	(1.030)	604703	200.000	197.34
M	49 Xylene (ecal)	106				790191	100.000	196.76
	45 Styrene	104	8.999	8.999	(1.077)	413046	100.000	96.093
	44 Xylene-o	106	8.699	8.699	(1.077)	383049	100.000	99.107
	46 Bromoform	173	8.709	8.709	(1.430)	90701	100.000	88.060
	93 Isopropylbenzene	105	8.962	8.963	(1.990)	340064	100.000	95.940
	47 1,1,2,2-Tetrachloroethane	83	9.315	9.315	(1.154)	137394	100.000	97.055
	60 1,3-Dichlorobenzene	146	10.173	10.173	(1.274)	389673	100.000	99.619
	49 1,4-Dichlorobenzene	146	10.336	10.336	(1.295)	394391	100.000	100.66
	50 1,2-Dichlorobenzene	146	10.623	10.623	(1.330)	370045	100.000	98.704
	69 1,2-Dibromo-3-chloropropane	157	11.392	11.392	(1.427)	33101	100.000	89.879
	94 1,2,4-Trichlorobenzene	180	12.230	12.230	(1.677)	140607	100.000	94.909

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data File : /chem/can/msv/a3uc9.i/N00907A-CLP.b/uc9798.d
Lab Smp Id: 50NG-IC Client Smp ID: VSTD010
Inj Date : 07-SEP-2000 07:42
Operator : 01819 Inst ID: a3uc9.i
Smp Info : 50NG-IC
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3uc9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 12-Sep-2000 03:04 mcdaniel Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: uc9796.d
Alc bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug)	ON-COL (ug)
* 1 Bromochloromethane	130	4.560	4.560	(1.000)	146006	250.000	
* 2 1,4-Difluorobenzene	114	5.396	5.396	(1.000)	944903	250.000	
* 3 Chlorobenzene-d5	117	7.907	7.907	(1.000)	830666	250.000	
4 4 1,3-Dichloropropane-d6	65	5.029	5.029	(1.101)	63173	50.0000	49.505
5 5 Toluene-d8	98	6.676	6.674	(0.946)	301069	50.0000	47.764
6 6 Bromofluorobenzene	95	9.100	9.100	(1.119)	69022	50.0000	47.670
7 Dichlorodifluoromethane	85	1.640	1.600	(0.344)	30661	50.0000	47.951
8 Chloromethane	50	1.799	1.793	(0.394)	79493	50.0000	53.174
9 Vinyl Chloride	62	1.917	1.917	(0.420)	67709	50.0000	52.936
10 Bromomethane	94	2.301	2.301	(0.503)	39415	50.0000	54.649
11 Chloroethane	64	2.204	2.204	(0.500)	66774	50.0000	55.910
12 Trichlorofluoromethane	101	2.531	2.531	(0.553)	70330	50.0000	49.045
13 1,1-Dichloroethene	96	2.935	2.935	(0.642)	60093	50.0000	50.714
14 Freon-113	151	2.946	2.946	(0.645)	42339	50.0000	50.240
15 Acetone	43	2.946	2.946	(0.645)	87634	50.0000	55.357

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug)	COI-CAL (ug)
	17 Carbon Disulfide	76	3.136	3.136	(0.407)	160344	50.0000	51.440
	32 Methyl Acetate	43	3.207	3.207	(0.732)	66049	50.0000	50.004
	16 Methylene Chloride	84	3.313	3.313	(0.735)	44623	50.0000	53.633
	03 Methyl tert-butyl ether	73	3.550	3.550	(0.777)	391963	50.0000	55.139
	19 trans-1,2-Dichloroethene	96	3.550	3.550	(0.777)	94305	50.0000	51.136
	20 cis-1,2-dichloroethene	96	4.366	4.366	(0.994)	63030	50.0000	51.609
M	01 1,2-Dichloroethene (total)	96				133043	100.000	102.76
	21 1,1-Dichloroethane	63	3.693	3.693	(0.853)	130041	50.0000	53.760
	22 2-Butanone	43	4.395	4.395	(0.953)	96639	50.0000	51.646
	24 Chloroform	83	4.635	4.635	(1.010)	95204	50.0000	50.907
	28 1,1,1-Trichloroethane	97	4.792	4.792	(0.880)	72292	50.0000	51.009
	90 Cyclohexane	84	4.863	4.863	(1.065)	261306	50.0000	50.690
	26 Carbon Tetrachloride	117	4.946	4.946	(0.917)	53051	50.0000	47.350
	27 1,2-Dichloroethane	62	5.100	5.100	(1.117)	90430	50.0000	53.311
	30 Benzene	78	5.103	5.100	(0.943)	363469	50.0000	51.606
	29 Trichloroethene	130	5.633	5.633	(1.044)	67971	50.0000	51.430
	93 Methylcyclohexane	83	5.810	5.810	(1.272)	111900	50.0000	51.184
	30 1,2-Dichloropropane	63	5.832	5.832	(1.079)	79984	50.0000	51.601
	31 Bromodichloromethane	83	6.047	6.047	(1.121)	63653	50.0000	47.133
	34 cis-1,3-Dichloropropene	75	6.429	6.429	(1.191)	61830	50.0000	46.982
	33 4-Methyl-2-pentanone	58	6.946	6.504	(0.819)	171101	50.0000	47.625
	35 Toluene	91	6.733	6.733	(0.843)	274064	50.0000	50.936
	36 trans-1,3-Dichloropropene	75	6.912	6.910	(1.281)	67131	50.0000	46.076
	38 1,1,2-Trichloroethane	97	7.076	7.076	(1.333)	66733	50.0000	52.382
	39 Tetrachloroethene	164	7.242	7.242	(0.907)	93063	50.0000	52.280
	37 2-Hexanone	43	7.289	7.289	(0.913)	107913	50.0000	44.573
	40 Dibromochloromethane	129	7.658	7.655	(1.302)	46174	50.0000	46.696
	63 1,2-Dibromoethane	107	7.961	7.961	(1.401)	52634	50.0000	50.263
	41 Chlorobenzene	112	8.031	8.031	(1.000)	192096	50.0000	51.960
	42 Ethylbenzene	104	8.106	8.106	(1.015)	103777	50.0000	50.780
	43 m + p-Xylene	106	8.212	8.212	(1.028)	244196	100.000	100.12
M	80 Xylenes (total)	106				375966	50.0000	151.40
	45 Styrene	104	8.603	8.603	(1.077)	200136	50.0000	49.434
	46 Xylene-o	106	8.991	8.991	(1.076)	137071	50.0000	51.196
	48 Bromoform	173	8.792	8.792	(1.629)	24115	50.0000	43.536
	91 Isopropylbenzene	105	8.946	8.946	(1.959)	169096	50.0000	49.234
	47 1,1,1,2-Tetrachloroethane	83	9.330	9.330	(1.156)	71333	50.0000	51.333
	48 1,3-Dichlorobenzene	146	10.165	10.165	(1.273)	345004	50.0000	50.003
	49 1,4-Dichlorobenzene	146	10.247	10.247	(1.283)	346904	50.0000	51.384
	50 1,2-Dichlorobenzene	146	10.636	10.636	(1.330)	344667	50.0000	53.035
	69 1,2-Dibromo-3-chloropropane	157	11.303	11.303	(1.435)	30817	50.0000	46.113
	96 1,2,4-Trichlorobenzene	180	13.333	13.333	(2.674)	80067	50.0000	50.194

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A3UKBA Calibration Date: 09/08/00 Time: 1738

Lab File ID: UX80200 Init. Calib. Date(s): 09/08/00 09/08/00

Heated Purge: (Y/N) N Init. Calib. Times: 1652 1825

GC Column: DB624 20M ID: 0.18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.643	0.650		-1.1	
Bromomethane	0.468	0.483	0.100	-3.2	25.0
Vinyl Chloride	0.683	0.685	0.100	-0.3	25.0
Chloroethane	0.534	0.547		-2.4	
Methylene Chloride	1.981	1.917		3.2	
Acetone	0.896	0.825		7.9	
Carbon Disulfide	4.480	4.572		-2.0	
1,1-Dichloroethene	1.638	1.658	0.100	-1.2	25.0
1,1-Dichloroethane	3.563	3.594	0.200	-0.9	25.0
1,2-Dichloroethene (total)	2.052	2.094		-2.0	
Chloroform	3.121	3.145	0.200	-0.8	25.0
1,2-Dichloroethane	2.118	2.136	0.100	-0.8	25.0
2-Butanone	1.001	0.976		2.5	
1,1,1-Trichloroethane	0.384	0.391	0.100	-1.8	25.0
Carbon Tetrachloride	0.376	0.379	0.100	-0.8	25.0
Bromodichloromethane	0.321	0.322	0.200	-0.3	25.0
1,2-Dichloropropane	0.296	0.298		-0.7	
cis-1,3-Dichloropropene	0.392	0.401	0.200	-2.3	25.0
Trichloroethene	0.334	0.337	0.300	-0.9	25.0
Dibromochloromethane	0.246	0.254	0.100	-3.2	25.0
1,1,2-Trichloroethane	0.206	0.211	0.100	-2.4	25.0
Benzene	1.117	1.137	0.500	-1.8	25.0
trans-1,3-Dichloropropene	0.322	0.329	0.100	-2.2	25.0
Bromoform	0.125	0.130	0.100	-4.0	25.0
4-Methyl-2-pentanone	0.080	0.077		3.8	
2-Hexanone	0.196	0.190		3.1	
Tetrachloroethene	0.314	0.322	0.200	-2.5	25.0
1,1,2,2-Tetrachloroethane	0.210	0.218	0.300	-3.8	25.0
Toluene	1.640	1.658	0.400	-1.1	25.0
Chlorobenzene	1.062	1.068	0.500	-0.6	25.0
Ethylbenzene	0.560	0.577	0.100	-3.0	25.0
Styrene	1.025	1.071	0.300	-4.5	25.0
Xylenes (total)	0.606	0.636	0.300	-5.0	25.0
Toluene-d8	1.324	1.343		-1.4	
Bromofluorobenzene	0.391	0.396	0.200	-1.3	25.0
1,2-Dichloroethane-d4	1.710	1.662		2.8	

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA OLM03.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QBSOH Case No.: SAS No.: SDG No.: I01248

Instrument ID: A3UX9 Calibration Date: 09/07/00 Time: 0656

Lab File ID: UX9796 Init. Calib. Date(s): 09/07/00 09/07/00

Heated Purge: (Y/N) Y Init. Calib. Times: 0610 0742

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	2.448	2.399		2.0	
Bromomethane	1.230	1.195	0.100	2.8	25.0
Vinyl Chloride	2.205	2.179	0.100	1.2	25.0
Chloroethane	1.452	1.408		3.0	
Methylene Chloride	2.079	2.021		2.8	
Acetone	2.729	2.555		6.4	
Carbon Disulfide	5.501	5.400		1.8	
1,1-Dichloroethene	1.654	1.648	0.100	0.4	25.0
1,1-Dichloroethane	4.183	4.066	0.200	2.8	25.0
1,2-Dichloroethene (total)	2.047	2.010		1.8	
Chloroform	3.222	3.214	0.200	0.2	25.0
1,2-Dichloroethane	3.183	3.063	0.100	3.8	25.0
2-Butanone	3.239	3.065		5.4	
1,1,1-Trichloroethane	0.375	0.383	0.100	-2.1	25.0
Carbon Tetrachloride	0.292	0.300	0.100	-2.7	25.0
Bromodichloromethane	0.358	0.365	0.200	-2.0	25.0
1,2-Dichloropropane	0.410	0.412		-0.5	
cis-1,3-Dichloropropene	0.471	0.489	0.200	-3.8	25.0
Trichloroethene	0.348	0.356	0.300	-2.3	25.0
Dibromochloromethane	0.263	0.269	0.100	-2.3	25.0
1,1,2-Trichloroethane	0.282	0.279	0.100	1.1	25.0
Benzene	1.353	1.365	0.500	-0.9	25.0
trans-1,3-Dichloropropene	0.386	0.393	0.100	-1.8	25.0
Bromoform	0.150	0.150	0.100	0.0	25.0
4-Methyl-2-pentanone	0.234	0.228		2.6	
2-Hexanone	0.664	0.641		3.5	
Tetrachloroethene	0.303	0.302	0.200	0.3	25.0
1,1,2,2-Tetrachloroethane	0.409	0.407	0.300	0.5	25.0
Toluene	1.626	1.633	0.400	-0.4	25.0
Chlorobenzene	1.109	1.116	0.500	-0.6	25.0
Ethylbenzene	0.607	0.615	0.100	-1.3	25.0
Styrene	1.240	1.271	0.300	-2.5	25.0
Xylenes (total)	0.744	0.755	0.300	-1.5	25.0
Toluene-d8	1.268	1.288		-1.6	
Bromofluorobenzene	0.437	0.442	0.200	-1.1	25.0
1,2-Dichloroethane-d4	2.162	2.130		1.5	

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA OLM03.0

STL
Committed To Your Success

RAW QC DATA

Data File: /chem/ms/.../a3ad8a.i/000908a.b/bfb0503.d

Date : 08-SEP-2000 16:28

Client ID: BFB TUNE

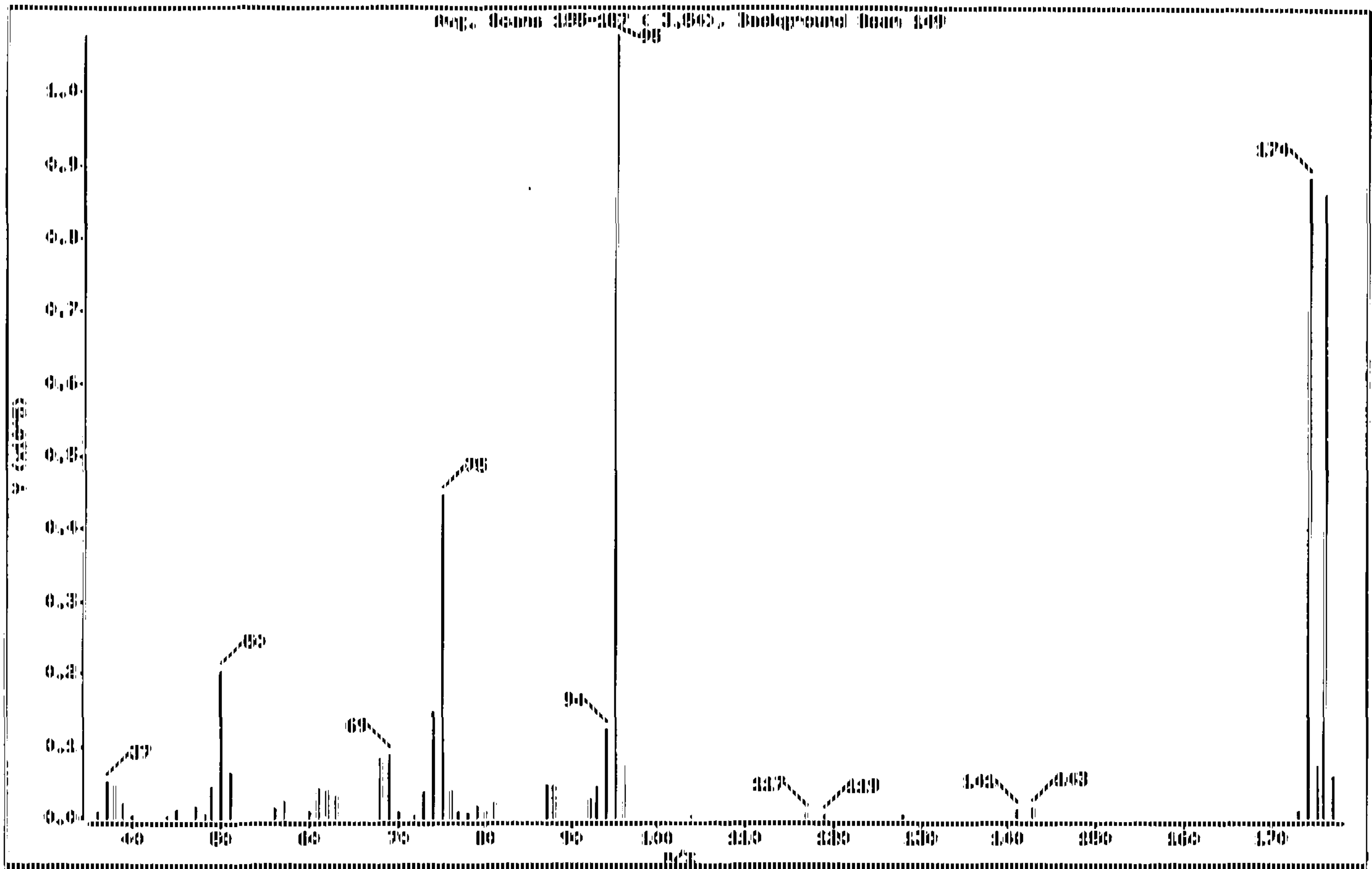
Instrument: a3ad8a.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 200

Column diameter: 0.18



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.05
75	30.00 - 60.00% of mass 95	44.00
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.64 (0.70)
174	50.00 - 120.00% of mass 95	88.79
175	5.00 - 9.00% of mass 174	6.09 (6.97)
176	95.00 - 101.00% of mass 174	79.70 (97.91)
177	5.00 - 9.00% of mass 176	5.30 (6.08)

Data File: /chem/ear/msv/a3ud8a.i/M00908A.b/bfb0803.d

Page 3

Date : 08-SEP-2000 16:25

Client ID: BOMC DFB

Instrument: a3ud8a.i

Sample Info: BOMC INJECTION OF DFB

Operator: 2007

Column phase: DB624 20M

Column diameter: 0.18

Data File: bfb0803.d

Spectrum: Avg. Scans 155-157 (3.84), Background Scan 149

Location of Maximum: 95.00

Number of points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	779	57.00	2284	77.00	682	117.00	461
37.00	5018	60.00	807	78.00	418	119.00	182
38.00	4463	61.00	3960	79.00	1599	120.00	172
39.00	2100	62.00	3717	80.00	637	141.00	1020
40.00	129	63.00	2972	81.00	1081	143.00	1124
44.00	276	68.00	8139	87.00	4352	173.00	686
45.00	1038	69.00	8600	88.00	4438	174.00	88040
47.00	1368	70.00	673	92.00	2429	175.00	7104
48.00	951	72.00	182	93.00	4179	176.00	88848
49.00	4318	73.00	3555	94.00	12181	177.00	8706
50.00	20304	74.00	14635	95.00	107720		
51.00	6115	75.00	44688	96.00	7132		
56.00	1124	76.00	3729	104.00	177		

Data File: [illegible].d

Date : 08-SEP-2000 16:25

Client ID: [illegible]

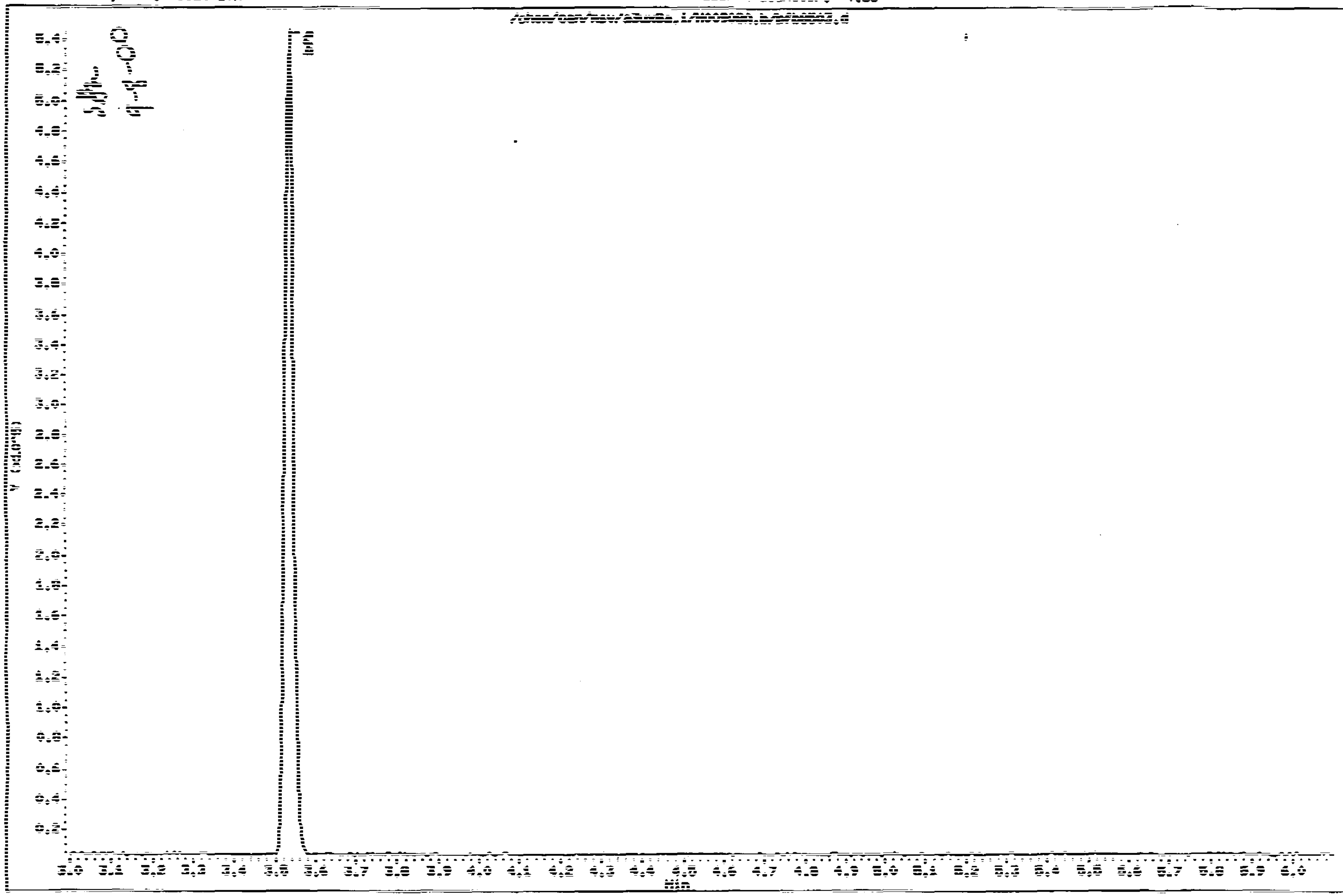
Sample Info: [illegible] INJECTION OF [illegible]

Column phase: DB624 30M

Instrument: [illegible]

Operator: 2007

Column diameter: 0.18



Data File: /chem/car/msv/a3.cd9.1/000907A-CLP.b/bfb171.d

Page 2

Date : 07-SEP-2000 08:48

Client ID: BONG BFB

Instrument: a3.cd9.1

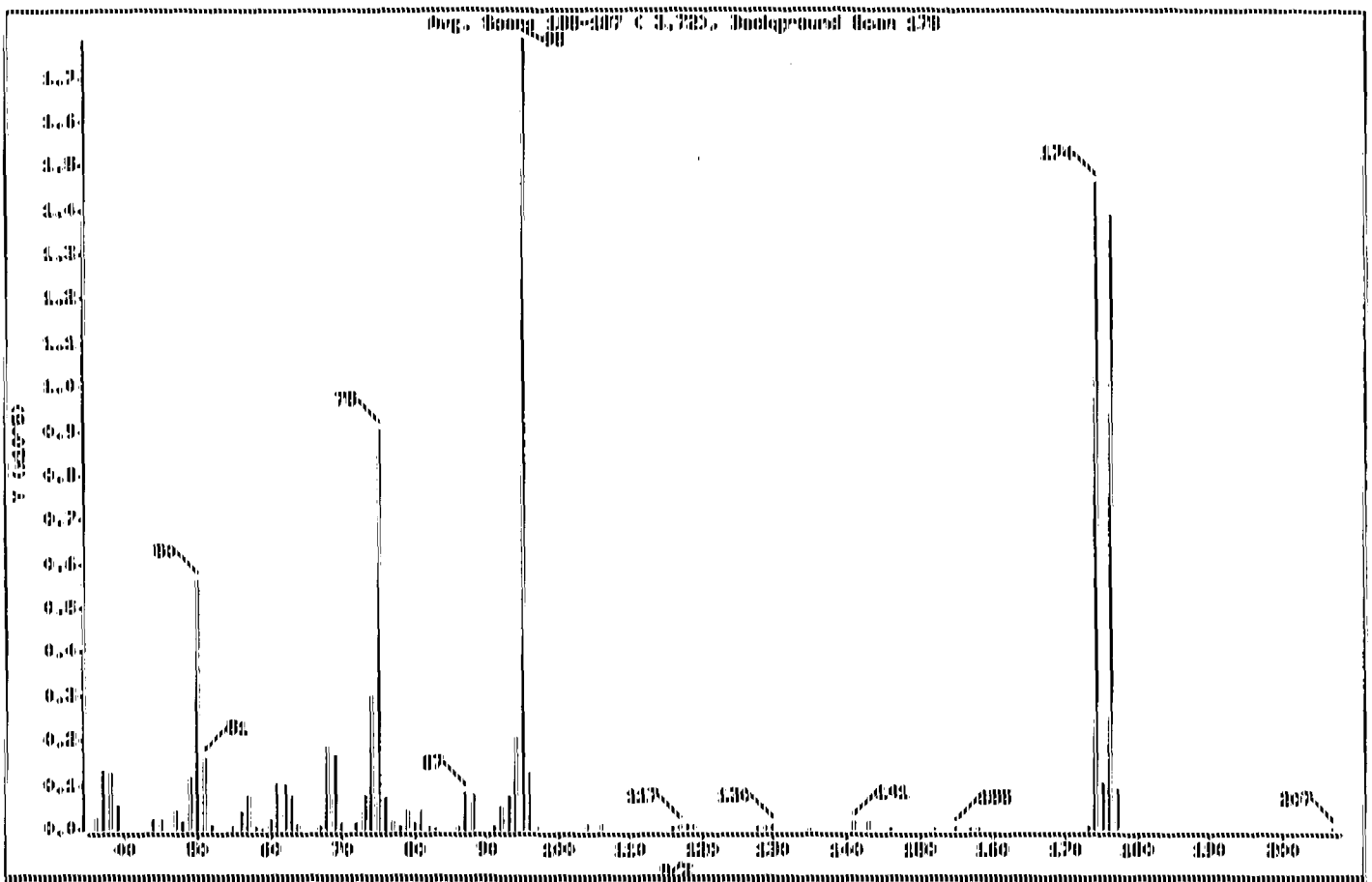
Sample Info: BONG INJECTION OF BFB

Operator: 0181.9

Column phase: RTX502.2

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
80	8.00 - 40.00% of mass 95	31.82
75	30.00 - 66.00% of mass 95	80.88
96	5.00 - 9.00% of mass 95	7.02
173	Less than 2.00% of mass 174	0.27 (0.33)
174	50.00 - 120.00% of mass 95	81.74
175	4.00 - 9.00% of mass 174	8.73 (7.01)
176	93.00 - 101.00% of mass 174	77.76 (95.13)
177	5.00 - 9.00% of mass 176	4.95 (6.36)

Date : 07-SEP-2000 08:40

Client ID: 0906 ICP Instrument: a3n9.1

Sample Info: BOMC INJECTION OF DFB

Operator: 01039

Column phase: RTX-5 Column diameter: 0.25

Data File: h0174.d
Spectrum: Sig. Scans 105-107 (3.73), Background Scan 170
Location of Maximum: 98.00
Number of points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8310	61.00	10336	82.00	997	120.00	609
37.00	13336	62.00	9604	83.00	193	129.00	360
38.00	12713	63.00	7239	86.00	313	130.00	917
39.00	8309	66.00	860	87.00	8323	138.00	332
44.00	1076	67.00	670	88.00	2963	141.00	1037
46.00	1946	68.00	18320	91.00	869	163.00	1388
47.00	6062	69.00	14672	92.00	4963	166.00	178
48.00	1468	70.00	1302	93.00	2867	182.00	179
49.00	31431	72.00	3131	94.00	30806	188.00	099
50.00	66200	73.00	7388	98.00	170433	187.00	349
51.00	18908	74.00	29120	96.00	12824	188.00	173
52.00	963	75.00	96350	97.00	209	173.00	088
58.00	614	76.00	6921	100.00	789	170.00	148086
86.00	3820	77.00	3469	106.00	733	178.00	14826
87.00	7634	78.00	850	116.00	893	176.00	138703
88.00	398	79.00	6645	117.00	963	177.00	8830
89.00	196	80.00	1147	118.00	710	207.00	1.06
60.00	2391	81.00	6640	119.00	686		

Data File: /chem/ms/msw/msm9.i/M00907A-CLP.b/mf8171.d

Date : 07-SEP-2000 08:48

Client ID: 5000 STD

Sample Info: 5000 INJECTION OF STD

Column phase: RTX502.2

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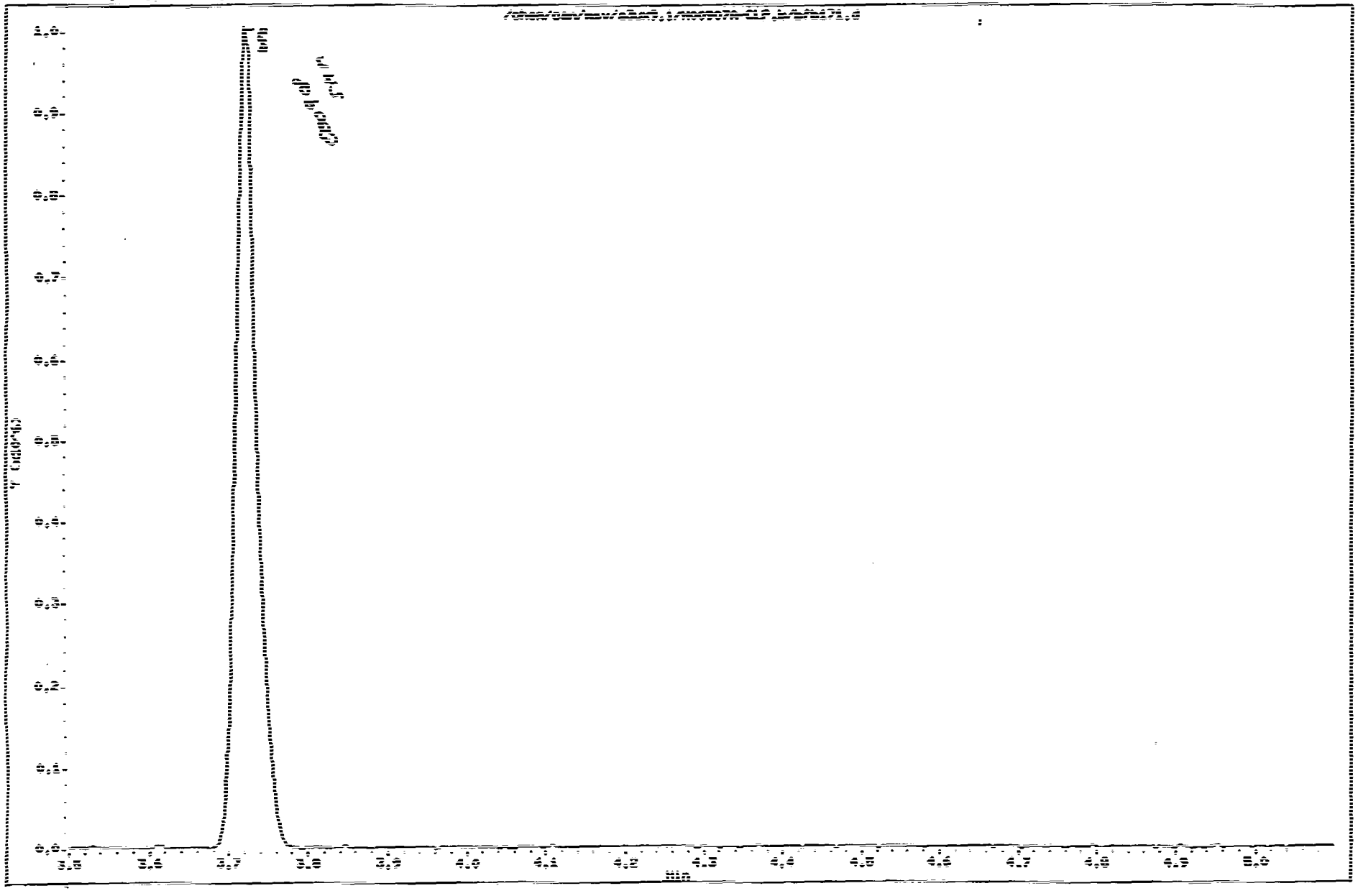
Instrument: msm9.i

Operator: 01819

Column diameter: 0.53

/chem/ms/msw/msm9.i/M00907A-CLP.b/mf8171.d



RMT
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WATER Lab Sample ID: A0I080000 445
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DK4EP101 Date Extracted: 09/08/00
Dilution factor: 1 Date Analysed: 09/08/00
Moisture %: NA

QC Batch: 0252445

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	3.1	J
67-64-1	Acetone	2.6	J
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

FORM I

RMT
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WATER Lab Sample ID: A0I080000 445
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DK4EP101 Date Extracted: 09/08/00
Dilution factor: 1 Date Analyzed: 09/08/00
Moisture %: NA

QC Batch: 0252445

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) WATER Lab Sample ID: A0I080000 445
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 09/01/00
Work Order: DK4EP101 Date Extracted: 09/08/00
Dilution Factor: 1 Date Analyzed: 09/08/00
Moisture %: NA

QC Batch: 0252445

Client Sample Id: INTRA-LAB BLANK

(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Date File: [illegible]

Date : [illegible]

Client ID: VBLK DKUEP101

Sample Info: VBLK,,[illegible]

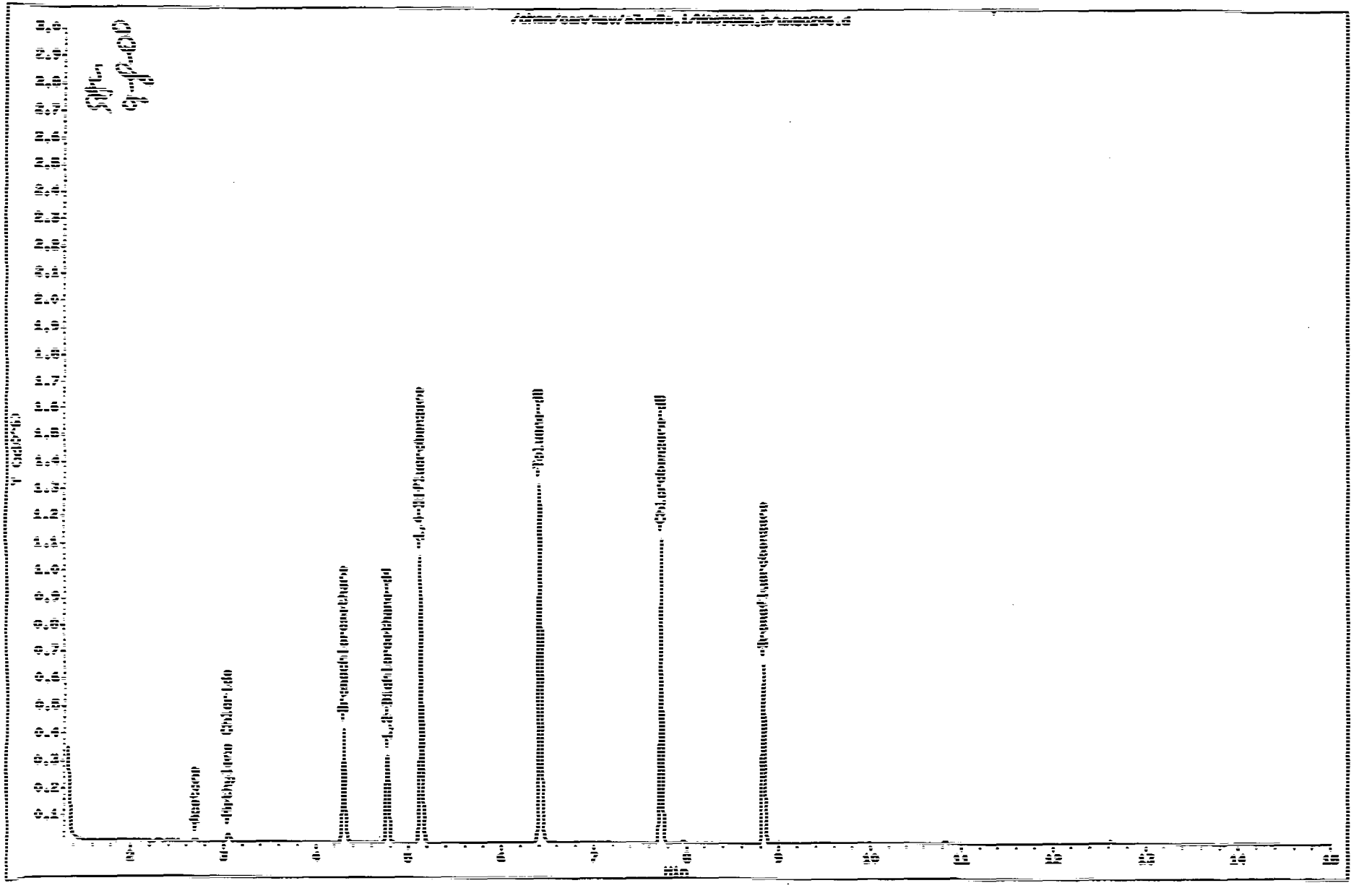
Purge Volume: [illegible]

Column phase: [illegible]

Instrument: [illegible]

Operator: [illegible]

Column diameter: 0.18



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SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux8a.i/M00908A.b/ux80206.d
Lab Smp Id: DK4EP101 Client Smp ID: VBLK
Inj Date : 08-SEP-2000 19:57
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : VBLK,,5ML/5ML
Misc Info : UX8a,M00908A,8240LCLPUX8,2807
Comment :
Method : /chem/can/msv/a3ux8a.i/M00908A.b/8240LCLPUX8.m
Meth Date : 08-Sep-2000 16:47 macenczs Quant Type: ISTD
Cal Date : 08-SEP-2000 17:38 Cal File: ux80200.d
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug)	FINAL (ug/L)
* 1 Bromochloromethane	130	4.303	4.303	(1.000)	134412	250.000	
* 2 1,4-Difluorobenzene	114	5.132	5.132	(1.000)	923412	250.000	
* 3 Chlorobenzene-d5	117	7.723	7.723	(1.000)	734941	250.000	
8 4 1,2-Dichloroethane-d4	65	4.744	4.777	(1.107)	330036	253.666	50.733
8 5 Toluene-d8	98	6.409	6.410	(0.830)	974897	246.872	49.374
8 6 Bromofluorobenzene	95	8.835	8.835	(1.144)	267305	229.216	45.843
8 Chloromethane	50	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
16 Methylene Chloride	84	3.040	3.049	(0.706)	16335	15.6191	3.124
14 Acetone	43	2.693	2.694	(0.426)	5981	13.2169	2.643
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	RIP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
24 Chloroform	83	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
32 2-Butanone	43	Compound Not Detected.					
35 1,1,1-Trichloroethane	97	Compound Not Detected.					
36 Carbon Tetrachloride	117	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
30 1,2-Dichloropropane	63	Compound Not Detected.					
36 cis-1,3-Dichloropropene	75	Compound Not Detected.					
39 Trichloroethene	130	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
38 Benzene	78	Compound Not Detected.					
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
39 Tetrachloroethene	164	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
35 Toluene	93	Compound Not Detected.					
41 Chlorobenzene	112	Compound Not Detected.					
42 Ethylbenzene	106	Compound Not Detected.					
45 Styrene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
M 80 Xylenes (total)	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
7 Dichlorodifluoromethane	85	Compound Not Detected.					
68 1,3-Dichlorobenzene	146	Compound Not Detected.					
69 1,4-Dichlorobenzene	146	Compound Not Detected.					
80 1,2-Dichlorobenzene	146	Compound Not Detected.					
82 Methyl tert-butyl ether	73	Compound Not Detected.					
65 1,2-Dibromoethane	107	Compound Not Detected.					
51 Freon-113	151	Compound Not Detected.					
49 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
90 Cyclohexane	56	Compound Not Detected.					
91 Isopropylbenzene	105	Compound Not Detected.					
92 Methyl Acetate	43	Compound Not Detected.					
93 Methylcyclohexane	83	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					

Data File: /chem/can/msv/a3ud8a.1/[illegible]/wd80206.d

Page 7

Date : 08-SEP-2000 19:57

Client ID: VBLK

Instrument: a3ud8a.1

Sample Info: VBLK,,BML/BML

Purge Volume: 8.0

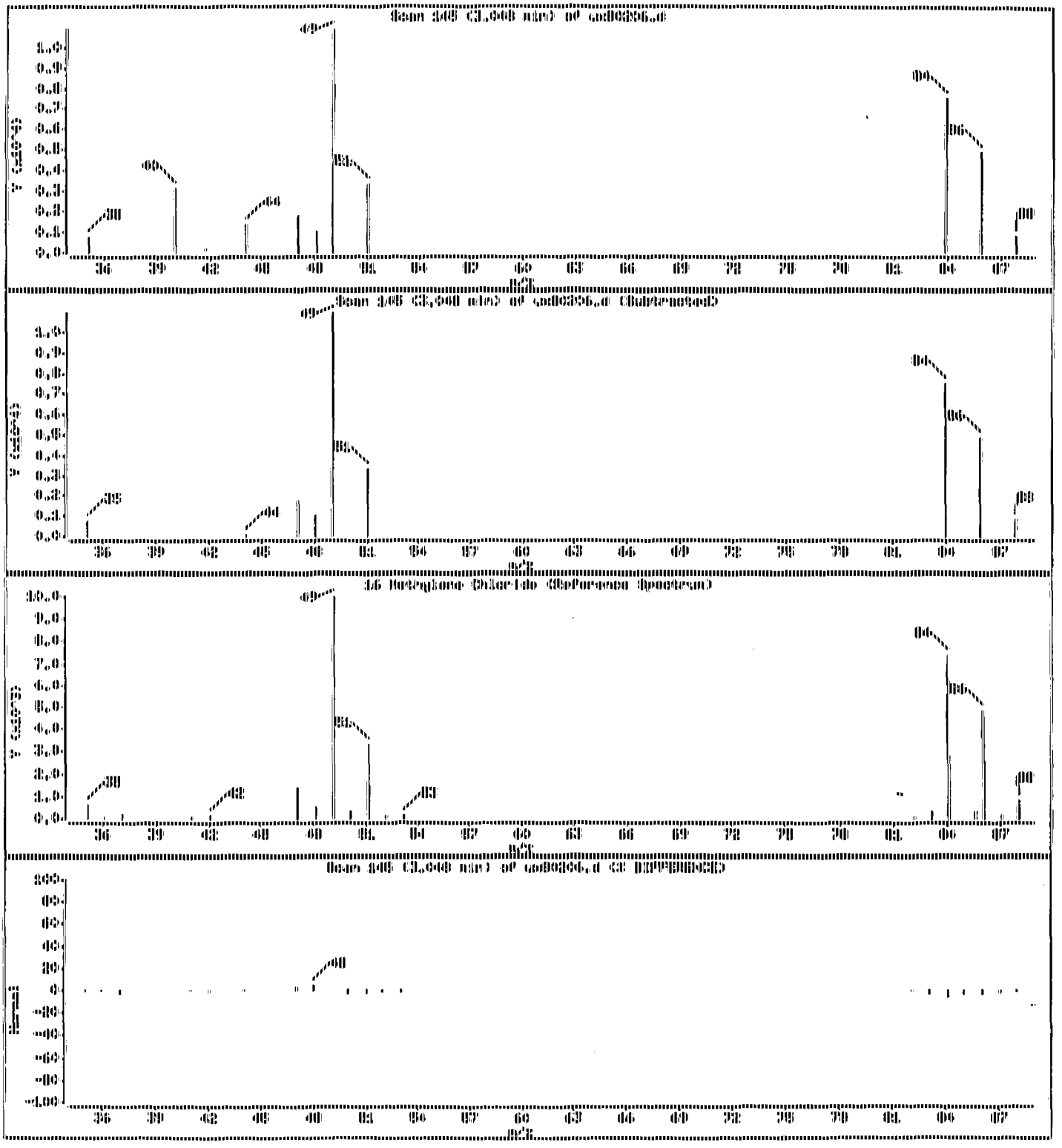
Operator: 2007

Column phase: DB624 20m

Column diameter: 0.18

16 Methylene Chloride

Concentration: 3.120 ug/L



Data File: /chem/ccm/msw/a3ndka.i/M509090.b/wd0206.d

Page 8

Date : 08-SEP-2000 19:07

Client ID: VBLK

Instrument: a3ndka.i

Sample Info: VBLK,,BPL/BML

Purge Volume: 0.0

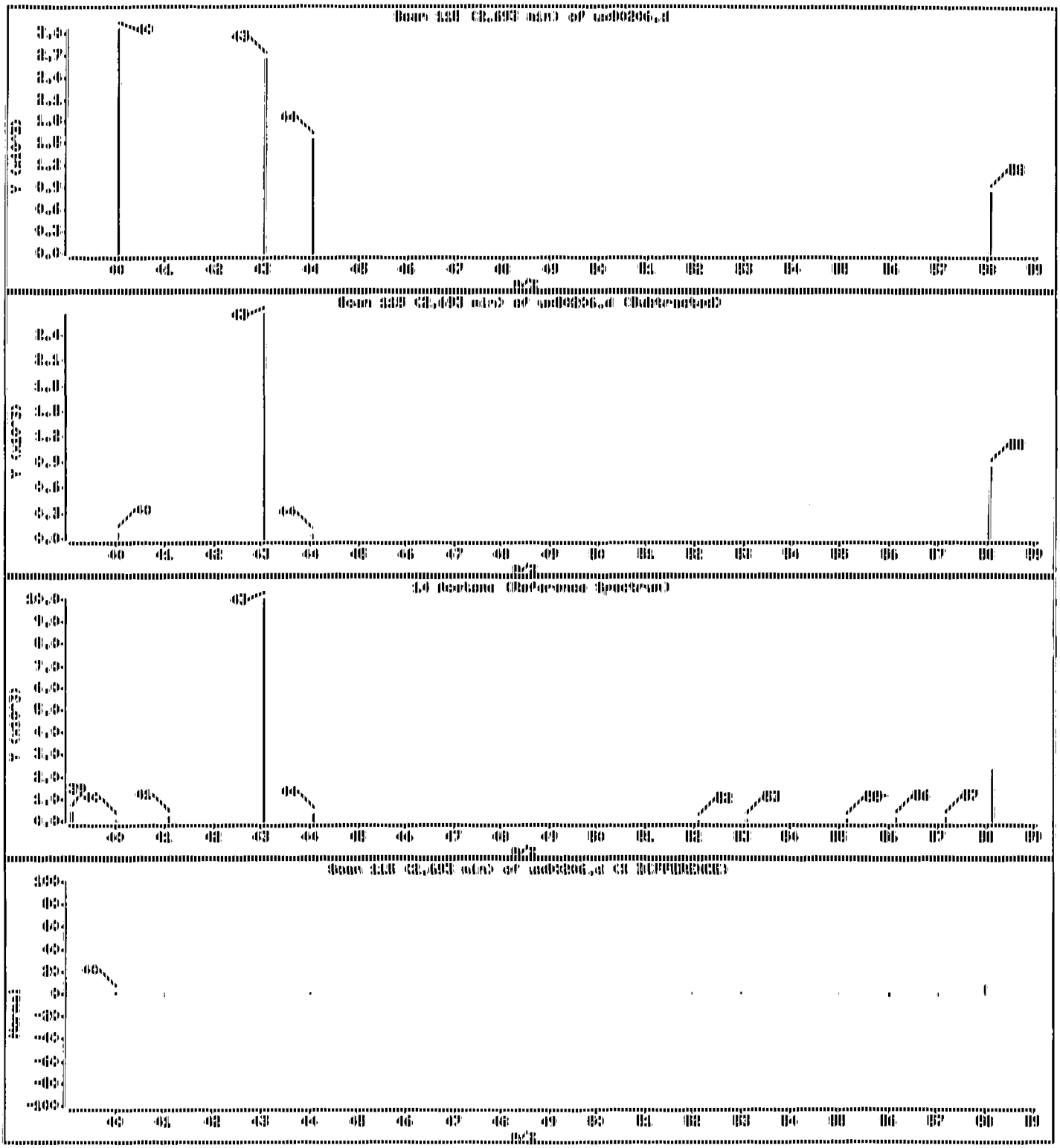
Operator: ZBOT

Column phase: DB624 20m

Column diameter: 0.18

14 Acetone

Concentration: 2.643 ug/L



RMT
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01348

Matrix: (soil/water) SOLID Lab Sample ID: AOI080000 101
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DK2H4101 Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: NA

QC Batch: 0252101

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	1.5	J
67-64-1	Acetone	1.6	J
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U

FORM I

RMT
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SOLID Lab Sample ID: A0I080000 101
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DK2H4101 Date Extracted: 09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %: NA

QC Batch: 0252101

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

RRT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: K01348

Matrix: (soil/water) SOLID Lab Sample ID: K0108000 101
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DK2941.01 Date Extracted: 09/07/00
Dilution Factor: 1 Date Analyzed: 09/07/00
Moisture: 6.8%

QC Batch: 0293101

Client Sample Id: INTRA-LAB BLANK

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Acetone
Methylene Chloride
Bromodichloromethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
Y axis
Z axis

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9800.d
Lab Smp Id: VBLK Client Smp ID: VBLK
Inj Date : 07-SEP-2000 08:27
Operator : 01819 Inst ID: a3ux9.i
Smp Info : VBLK,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.567	4.565	(1.000)	141282	250.000	
* 2 1,4-Difluorobenzene	114	5.396	5.393	(1.000)	930483	250.000	
* 3 Chlorobenzene-d5	117	7.987	7.985	(1.000)	819856	250.000	
$ 4 1,2-Dichloroethane-d6	65	5.029	5.038	(1.101)	298433	267.961	49.592
$ 5 Toluene-d8	98	6.674	6.671	(0.836)	1086777	239.433	47.887
$ 6 Bromofluorobenzene	95	9.099	9.097	(1.139)	326829	225.025	45.005
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
16 Acetone	43	2.966	2.952	(0.665)	11576	8.81817	1.604
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	86	3.313	3.322	(0.725)	8334	7.29650	1.659
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	Compound Not Detected.					
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Carbon Tetrachloride	117	Compound Not Detected.					
	27 1,2-Dichloroethane	62	Compound Not Detected.					
	28 Benzene	78	Compound Not Detected.					
	29 Trichloroethene	130	Compound Not Detected.					
	30 1,2-Dichloropropane	63	Compound Not Detected.					
	31 Bromodichloromethane	83	Compound Not Detected.					
	34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	Compound Not Detected.					
	35 Toluene	91	Compound Not Detected.					
	36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	39 Tetrachloroethene	164	Compound Not Detected.					
	37 2-Hexanone	43	Compound Not Detected.					
	40 Dibromochloromethane	129	Compound Not Detected.					
	41 Chlorobenzene	112	Compound Not Detected.					
	42 Ethylbenzene	106	Compound Not Detected.					
	43 m + p-Xylene	106	Compound Not Detected.					
M	80 Xylenes (total)	106	Compound Not Detected.					
	45 Styrene	104	Compound Not Detected.					
	44 Xylene-o	106	Compound Not Detected.					
	46 Bromoform	173	Compound Not Detected.					
	47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Data File: /chem/can/msv/a3wc9.i/M009070-CLP.b/wc9800.d

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Date : 07-SEP-2000 08:27

Client ID: VBLK

Instrument: a3wc9.i

Sample Info: VBLK,,BG/SML

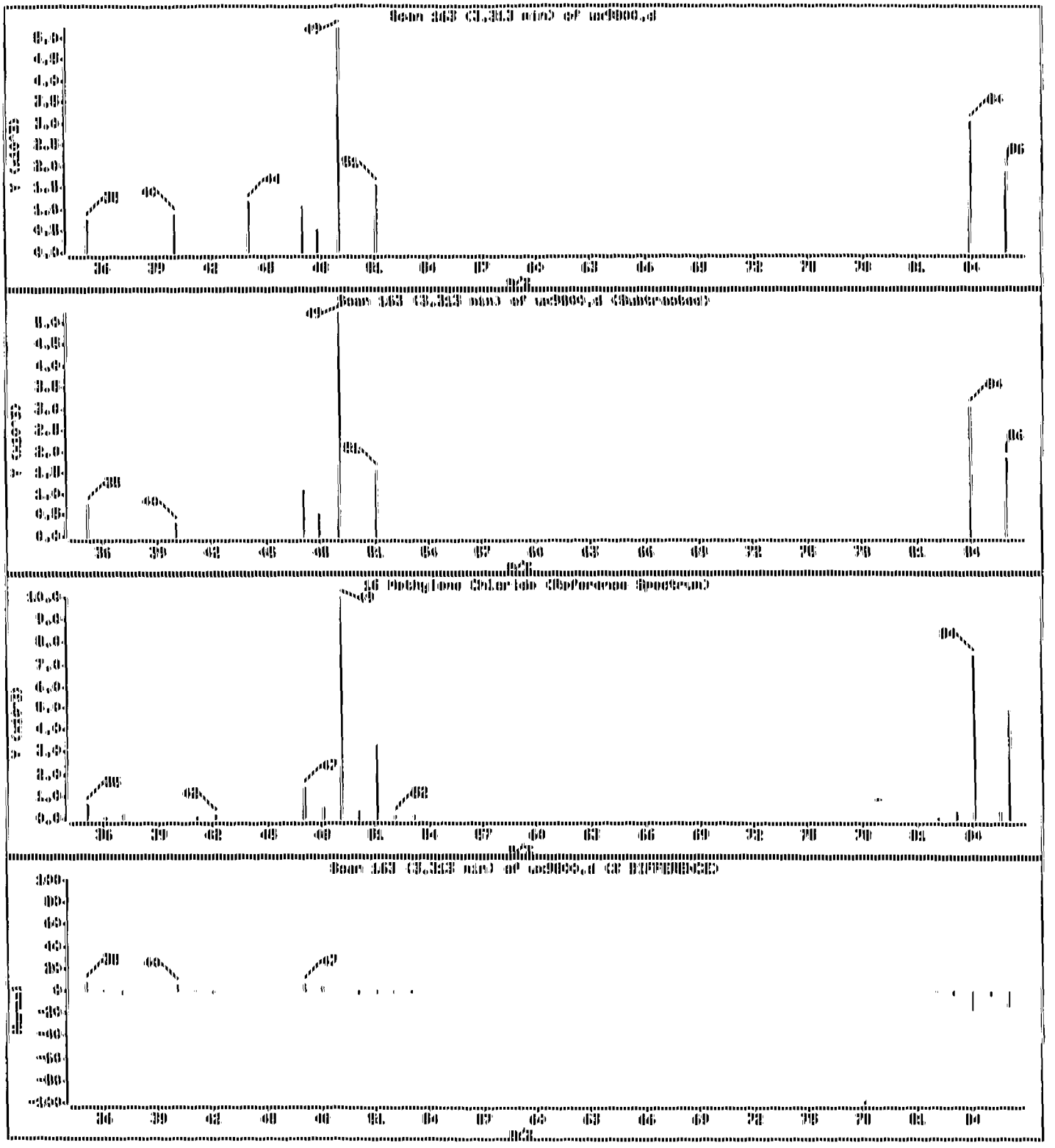
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.489 UG/M3



Data File: /chem/car/msv/a3uc9.i/N009078-CLP.b/uc9800.d

Page 7

Date : 07-SEP-2000 08:27

Client ID: VBLK

Instrument: a3uc9.i

Sample Info: VBLK,,SS/SPL

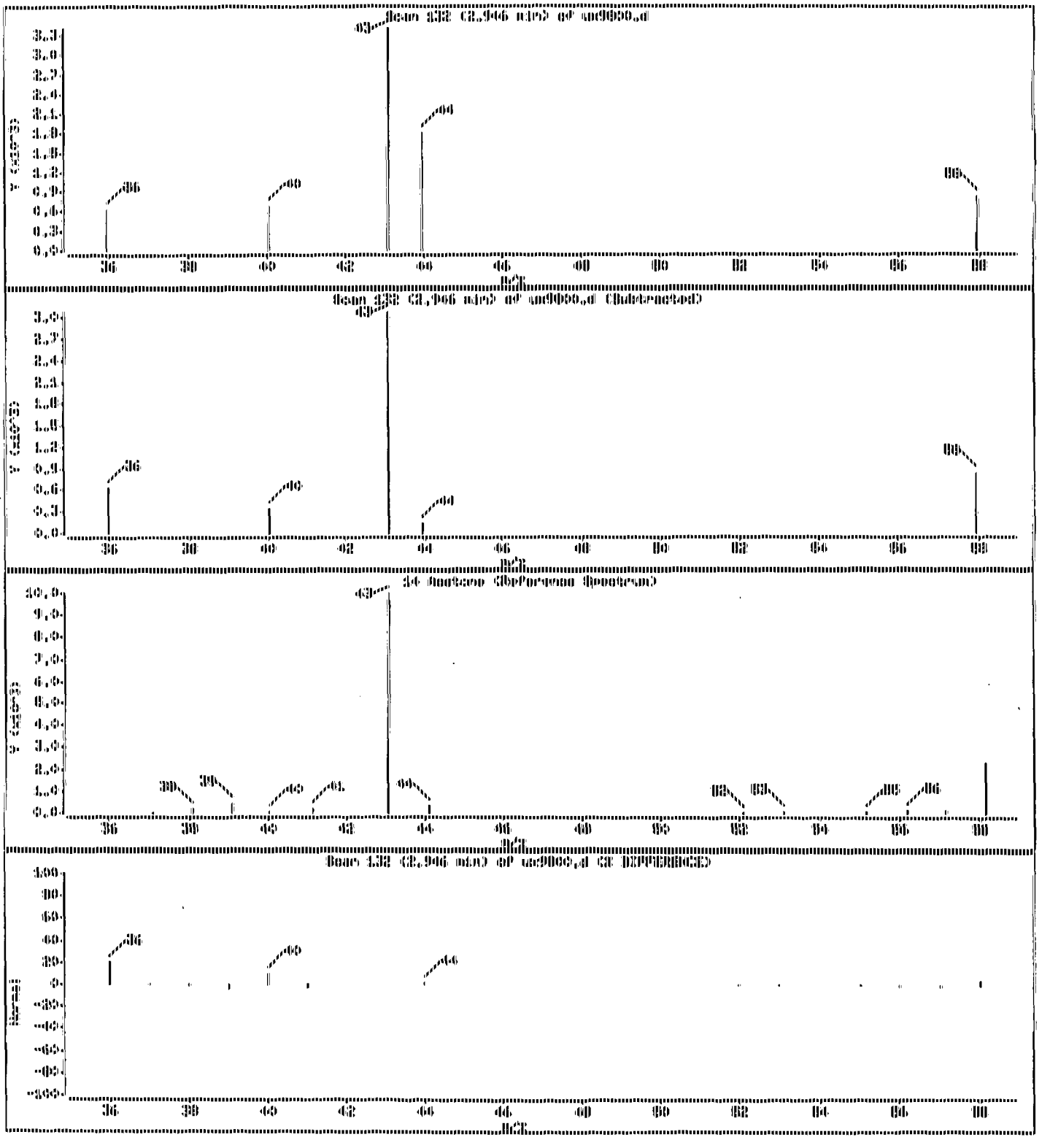
Operator: 01B19

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 1.604 UG/KG



RMT
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

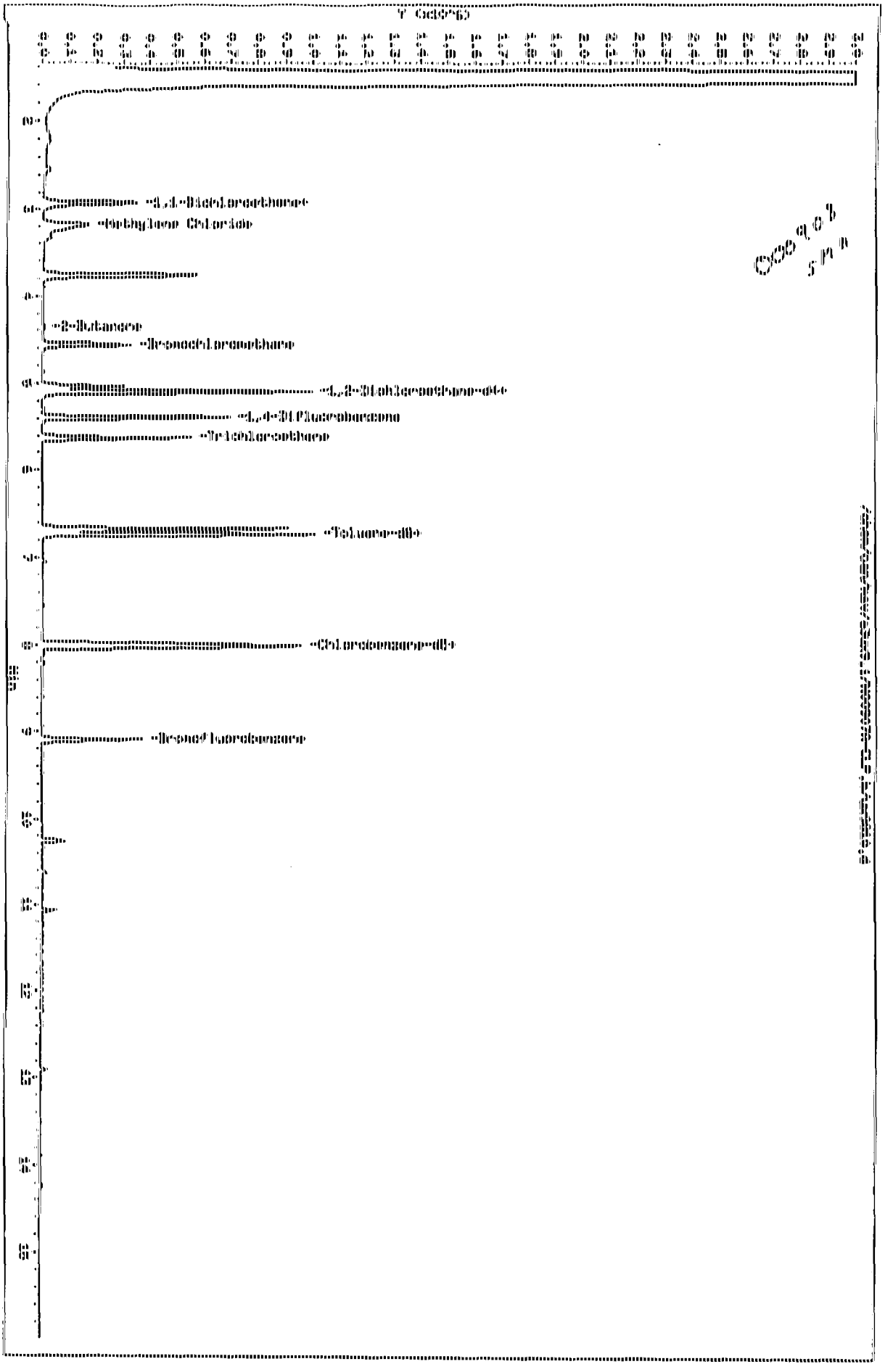
Matrix: (soil/water) SO Lab Sample ID: AOI010248 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRN410X Date Extracted: 09/07/00
Dilution factor: 1 Date Analysed: 09/07/00
Moisture %: 21

QC Batch: 0252101

Client Sample Id: SL50-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-35-4	1,1-Dichloroethene	72	
79-01-6	Trichloroethene	58	
71-43-2	Benzene	67	
108-88-3	Toluene	75	
108-90-7	Chlorobenzene	71	


1,1-Dichloroethane
Methylene Chloride
2-Butanone
Chloroform
1,2-Dichloroethane
1,4-Difluorobenzene
Trichloroethene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9810.d
Lab Smp Id: DJRN4
Inj Date : 07-SEP-2000 12:22
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRN4 ,,5G/5ML
Misc Info : UX9,N00907A-CLP,8240SCLPUX9,01819
Comment :
Method : /chem/can/msv/a3ux9.i/N00907A-CLP.b/8240SCLPUX9.m
Meth Date : 08-Sep-2000 04:14 mcdanies Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: ux9796.d
Als bottle: 17 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuxcs3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.566	4.565	(1.000)	93989	250.000	
* 2 1,4-Difluorobenzene	114	5.392	5.393	(1.000)	599278	250.000	
* 3 Chlorobenzene-d5	117	7.995	7.985	(1.000)	619725	250.000	
S 4 1,2-Dichloroethane-d4	65	5.037	5.058	(1.104)	208669	260.618	52.124
S 5 Toluene-d8	98	6.670	6.671	(0.834)	653670	302.176	60.435
S 6 Bromofluorobenzene	95	9.095	9.097	(1.138)	139877	188.352	37.670
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
13 1,1-Dichloroethene	96	2.931	2.932	(0.642)	177606	286.795	57.359
14 Acetone	43	2.962	2.932	(0.645)	25481	24.4480	4.890
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	86	3.321	3.322	(0.728)	7807	10.2766	2.055
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
21 1,1-Dichloroethene	63	Compound Not Detected.					
22 2-Butanone	43	4.362	4.352	(0.956)	11643	10.1049	2.021
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
28 Benzene	78	5.096	5.097	(0.945)	871472	266.328	53.266
29 Trichloroethene	130	5.628	5.630	(1.044)	195258	228.808	45.762
30 1,2-Dichloropropane	63	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
35 Toluene	91	6.729	6.730	(0.842)	813869	296.791	59.358
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
39 Tetrachloroethene	164	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
41 Chlorobenzene	112	8.019	8.020	(1.005)	527962	281.680	56.336
42 Ethylbenzene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
M 80 Xylenes (total)	106	Compound Not Detected.					
45 Styrene	104	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

RMT
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g
Work Order: DJRN4110
Dilution factor: 1
Moisture %: 21

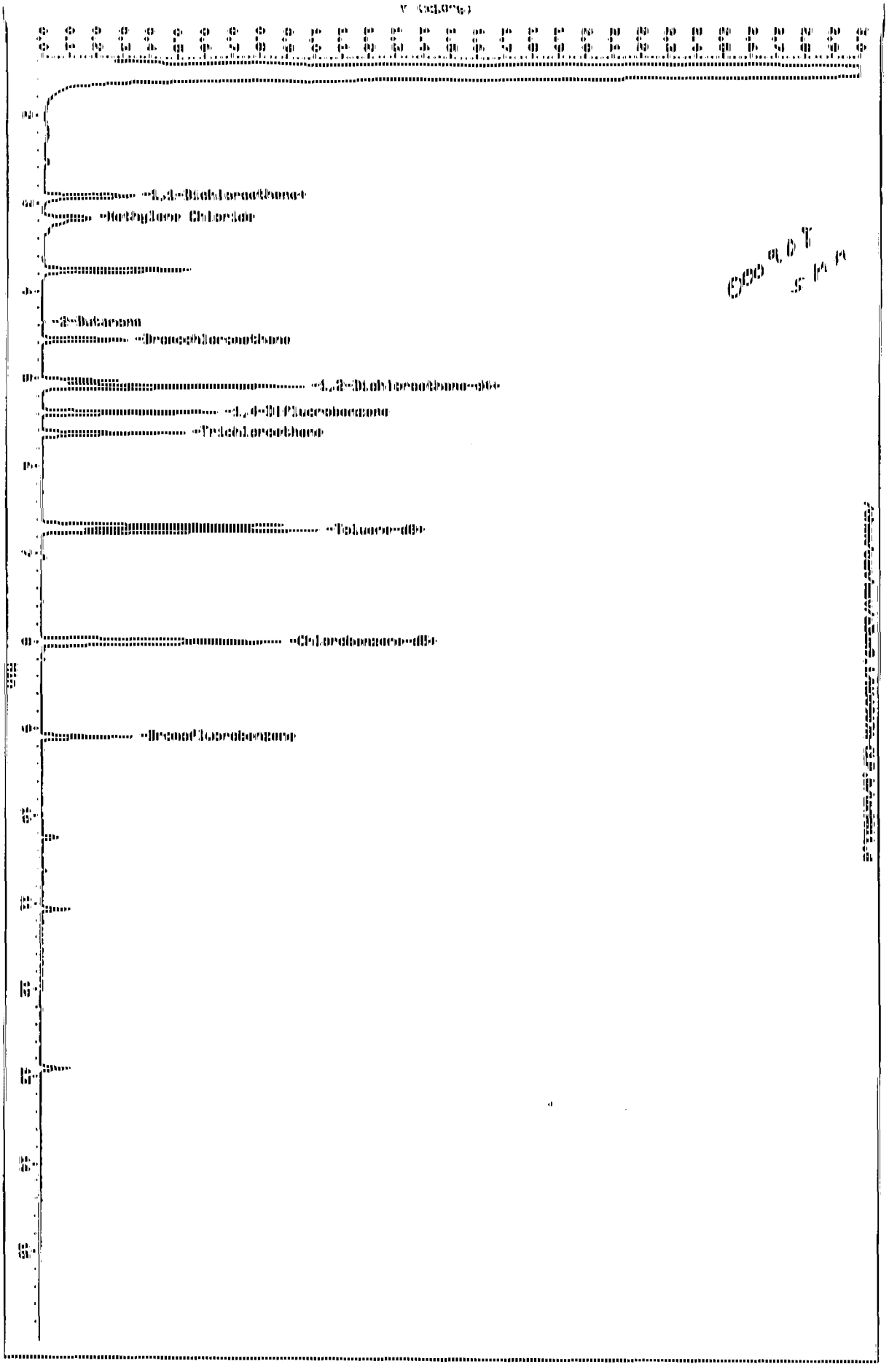
Date Received: 09/01/00
Date Extracted: 09/07/00
Date Analyzed: 09/07/00

QC Batch: 0252101

Client Sample Id: SL50-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-35-4	1,1-Dichloroethene	77	
79-01-6	Trichloroethene	56	
71-43-2	Benzene	68	
108-88-3	Toluene	78	
108-90-7	Chlorobenzene	70	

FORM I


1,2-Dichloroethane
Methylene Chloride
2-Butanone
Bromochloromethane
1,2-Dichloroethane-d4
1,4-Difluorobenzene
Trichloroethene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data File : /chem/can/mav/a3uc9.i/N009078-CLP.b/uc9811.d
Lab Smp Id: DXRN4
Inj Date : 07-SEP-2000 12:45
Operator : 01819 Inst ID: a3uc9.i
Smp Info : DXRN4 , ,5G/5ML
Misc Info : UK9,N009078-CLP,8240SCLPUK9,01819
Comment :
Method : /chem/can/mav/a3uc9.i/N009078-CLP.b/8240SCLPUK9.m
Meth Date : 08-Sep-2000 04:14 mcdaniel Quant Type: ISTD
Cal Date : 07-SEP-2000 06:56 Cal File: uc9796.d
Als bottle: 18 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 3.50
Processing Host: hpuscc3

Concentration Formula: Amt * DF * 1/Ws*100/(100-M) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Ws	5.00000	Soil amount
M	0.00000	Percent Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS CO-COLUMN (ug)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.566	4.563	(1.000)	67169	250.000	
* 2 1,4-Difluorobenzene	114	5.394	5.393	(1.000)	500167	250.000	
* 3 Chlorobenzene-d5	117	7.996	7.995	(1.000)	383056	250.000	
4 1,2-Dichloroethane-d4	65	5.039	5.038	(1.104)	304671	271.585	54.317
5 Toluene-d8	98	6.672	6.671	(0.836)	612525	307.270	61.454
6 Bromofluorobenzene	95	9.008	9.007	(1.139)	122114	178.329	35.664
8 Chloromethane	50	Compound Not Detected.					
9 Vinyl Chloride	62	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
13 1,1-Dichloroethene	96	2.921	2.932	(0.640)	176364	306.932	61.386
14 Acetone	43	2.965	2.932	(0.645)	16652	38.4607	7.696
17 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	3.312	3.322	(0.735)	9565	7.89680	1.579
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 81 1,2-Dichloroethene (total)	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
22 2-Butanone	43	4.365	4.352	(0.956)	8716	8.15456	1.631
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Carbon Tetrachloride	117	Compound Not Detected.					
27 1,2-Dichloroethane	62	Compound Not Detected.					
28 Benzene	78	5.099	5.097	(0.945)	851748	268.874	53.775
29 Trichloroethene	130	5.631	5.630	(1.044)	182342	220.712	44.142
30 1,2-Dichloropropane	63	Compound Not Detected.					
31 Bromodichloromethane	83	Compound Not Detected.					
34 cis-1,3-Dichloropropene	75	Compound Not Detected.					
33 4-Methyl-2-pentanone	58	Compound Not Detected.					
35 Toluene	91	6.732	6.730	(0.843)	781616	309.102	61.820
36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
39 Tetrachloroethene	166	Compound Not Detected.					
37 2-Hexanone	43	Compound Not Detected.					
40 Dibromochloromethane	129	Compound Not Detected.					
41 Chlorobenzene	112	8.021	8.020	(1.004)	681490	278.582	55.716
42 Ethylbenzene	106	Compound Not Detected.					
43 m + p-Xylene	106	Compound Not Detected.					
M 80 Xylenes (total)	106	Compound Not Detected.					
45 Styrene	104	Compound Not Detected.					
44 Xylene-o	106	Compound Not Detected.					
46 Bromoform	173	Compound Not Detected.					
47 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

STL
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MISCELLANEOUS DATA

UXB
Batch # 0252415

STL-North Canton
GC/MS VOA Run Log

Date: 9/22

Date: 9-8-00

Column	BFB	Analysis	Purge & Trap
Type: [illegible]	100C for 0.1 min	45C for 2 min	Trap: 10
Length: 20 M	to 200C @ 10 C/min	to 200C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold — min	to — C @ — C/min	Desorb: 1 min @ 20C
Flow Rate 0.5 mg/min		Hold 3 min	Bake: 6 min @ 250C
			Heated Purge: Yes/No

CLP / SAC

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Sample prep	Comments	Sample status
—	BFB		[illegible]	50 mg	[illegible]	[illegible]	OK
1	CLP STD		[illegible]	100 mg	[illegible]		OK
2			[illegible]	500 mg			OK
3			[illegible]	250 mg		V00908-[illegible]	OK
4			[illegible]	100 mg			OK
5			[illegible]	50 mg			OK
6	[illegible]		[illegible]	[illegible]		[illegible]	OK
7	[illegible]		[illegible]				OK
8	[illegible]		[illegible]	[illegible]			OK
9	[illegible]		[illegible]	[illegible]			OK
10	[illegible]		[illegible]	[illegible]			OK
11	[illegible]		[illegible]	[illegible]			OK

[illegible]

SAM 9-8-00

Analyst: _____
Second level Review: [illegible]

№ 063

N:\QAQC\Lab Form\voa run logs

UCB
Batch # 0252101

STL-North Canton
GCMS VOA Run Log

Date: 9-3-90

Method # 8240C

Column	BFB	Analysis	Purge & Trap
Type: 0624	60°C for 2 min	45°C for 3 min	Temp: 40
Length: 30 m	to 200°C @ 15 °C/min	to 200°C @ 15 °C/min	Purge: 11
I.D. 0.75 mm	Hold 2 min	to 230°C @ 5 °C/min	Desorb: 1 min @ 245
Flow Rate 2.4 ml/min		Hold 1 min	Bake: 1 min @ 240
			Desorb Purge: 0 min

Auto num	Sample ID Workorder	Method	File Name	Amt purged	Sample prep	Comments	Sample status
	BFB		06171	50 g	direct	injection (ug)	OK
1	92034d		09997	1000 g	0795		OK
2			09995	500 g	0795 0795		OK
3			09996	250 g	0795	0009095-60	OK
4			09994	100 g			OK
5			09993	50 g			OK
6	check		09999	100 g			OK
7	blank		09900	50 g	75 ml	0224901	OK
8	0320901		09901	50 g			OK
9	0320902		09902	50 g			OK
10	0320903		09903	50 g			OK
11	0320904		09904	50 g		50 (ug)	OK
12	0320905		09905	50 g		50 (ug)	OK
13	0320906		09906	50 g			OK
14	0320907		09963	50 g		50	
15	0320908		09908	50 g			OK
16	0320909		09909	50 g		50	
17	0320910		09910	50 g	125 g	50	OK
18	0320911		09911	50 g	125 g	50	OK
19	0320630	4	09912	50 g		50 (ug)	OK
20	0320631	4	09913	50 g		50 (ug)	OK
21	0320632		09914	50 g			OK
22	0320633		09915	50 g			OK

Analyst: SPM
Second level Review: [illegible]

NO 047

NACACCLab Formula run logs

PSL205 Severn Trent Laboratories, Inc System Date: 9/05/00 12:25:52
Page 1 Local Date: 9/05/00 14:25:52

MSVOC Lot Summary - A0I010248

CLIENT: 64186 RMT SDG: I01248 Date Received: 9/01/00
PROJECT MANAGER: Kenneth J. Kuzior Date Analysis Due: 9/22/00 P
SITE: RIVERDALE Date Report Due: 9/29/00
LOT COMMENTS: Turnaround Time: 21
QC PACKAGE: Report CLP

- - - - - - - - R E P R I N T - - - - - - - - # = Field(s) Changed

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001	DJRN4-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL50-6"
		#		9:40			No Specific List
							C PACK!! SDG #I01248.
002	DJRND-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL50-4"
		#		9:50			No Specific List
							C PACK!! SDG #I01248.
003	DJRNG-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL51-6"
		#		10:30			No Specific List
							C PACK!! SDG #I01248.
004	DJRNK-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL51-4"
	-20T	#		10:30			No Specific List
							C PACK!! SDG #I01248.
005	DJRNM-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL52-6"
	-20T	#		10:45			No Specific List
							C PACK!! SDG #I01248.
006	DJRNN-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL52-4"
		#		10:45			No Specific List
							C PACK!! SDG #I01248.
007	DJRNQ-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL53-6"
		#		11:00			No Specific List
							C PACK!! SDG #I01248.
008	DJRP0-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL54-6"
		#		11:05			No Specific List
							C PACK!! SDG #I01248.
009	DJRP7-10T	XX A 15 I3 94	MSVCLP31	8/31/00	9/11/00	N	SL55-6"
		#		11:08			No Specific List
							C PACK!! SDG #I01248.
010-	DJRPG-101	XX I 25 I3 94	MSVCLP31	8/31/00	9/11/00	N	#HLDBLK
	1/2	# # # # # Added		#	#		Q: CLP MSVOA TCL Standard List
							C PACK!! SDG #I01248.
011-	DJRRK-101	XX I 25 I3 94	MSVCLP31	8/31/00	9/11/00	N	#TRIP BLANK
		# # # # # Added		#	#		Q: CLP MSVOA TCL Standard List
	1/2						C PACK!! SDG #I01248.

[illegible] Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	10	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]

*** END OF REPORT ***

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GCMS SEMIVOLATILE DATA

Committed To Your Success

QC SUMMARY DATA

OCLP OLM03.1 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: RMT

Lab Code: QESCAN QESSDG: I01248

Lot #: A0I010248

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	SRG07	SRG08	TOT OUT
01	SL50-4'	33	57	124	56	52	11 *	44	84	01
02	SL51-6"	3.3*	38	94	10 *	6.6*	49	3.8*	88	04
03	SL51-6" RE-2	45	53	81	56	57	33	46	54	00
04	SL51-4'	3.9*	46	106	25	12 *	0.9*	6.8*	92	04
05	SL51-4' RE-1	56	65	94	60	72	42	64	76	00
06	SL52-6'	13 *	53	100	39	20	3.0*	19 *	92	03
07	SL52-4'	75	81	112	76	80	69	72	72	00
08	SL53-6"	6.5*	36	82	28	19 *	1.0*	13 *	60	04
09	SL53-6" RE-1	62	75	80	68	60	58	60	60	00
10	SL50-6"	46	56	80	56	56	33	52	60	00
11	SL54-6"	56	71	106	64	68	46	60	80	00
12	SL54-6" RE-1	48 D	55 D	94 D	56 D	56 D	37 D	52 D	60 D	00
13	SL55-6"	6.9*	41	100	24	35 *	1.6*	10 *	80	04
14	SL55-6" RE-1	65	76	80	72	76	58	60	72	00
15	METHOD BLK. DJVT3101	55	65	100	64	68	42	64	68	00
16	METHOD BLK. DLH2C101	52	59	118	60	64	39	52	68	00
17	METHOD BLK. DL4QR101	58	65	94	64	68	54	64	68	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(23-120)
SRG02	= 2-Fluorobiphenyl	(30-115)
SRG03	= Terphenyl-d14	(18-137)
SRG04	= Phenol-d5	(24-113)
SRG05	= 2-Chlorophenol-d4	(20-130)
SRG06	= 1,2-Dichlorobenzene-d4	(20-130)
SRG07	= 2-Fluorophenol	(25-121)
SRG08	= 2,4,6-Tribromophenol	(19-122)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

BLANK WORKORDER NO.

DJVT3101

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QBSCAM

SDG Number: 101240

Lab File ID: DJVT3BLK.

Lot Number: J0101C240

Date Analyzed: 09/29/00

Time Analyzed: 20:57

Matrix: SOLID

Date Extracted: 09/06/00

GC Column: DB 5.625 ID: .00

Extraction Method:

Instrument ID: HP8

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SL50-4'	DTRN01OU	SL504.D	09/29/00	22:16
02	SL51-6"	DTRN11OU	SL516.D	09/30/00	02:53
03	SL51-4'	DTRN41OU	SL514.D	09/29/00	22:56
04	SL52-6"	DTRN01OU	SL526.D	09/29/00	23:35
05	SL52-4'	DTRN11OU	SL524.D	09/30/00	00:15
06	SL53-6"	DTRN21OU	SL536.D	09/30/00	00:54
07	SL50-6"	DTRN41OU	SL506.D	09/30/00	02:13
08	SL54-6"	DTRP01OU	SL546.D	09/30/00	03:31
09	SL54-6"	DTRP02OU	SL546R.D	09/30/00	16:01
10	SL55-6"	DTRP71OU	SL556.D	09/30/00	01:33
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

DL4QA101

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number: I01248

Lab File ID: DL4QABLK.

Lot Number: A0I010248

Date Analyzed: 09/29/00

Time Analyzed: 21:36

Matrix: SOLID

Date Extracted: 09/27/00

GC Column: DB 5.625 ID: .00

Extraction Method:

Instrument ID: HP8

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SL51-4'	DJRNK20U	SL514RE.D	09/30/00	04:49
02	SL53-6"	DJRNQ20U	SL536RE.D	09/30/00	05:29
03	SL55-6"	DJRP720U	SL556RE.D	09/30/00	06:08
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

DLH2C101

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number: I01248

Lab File ID: DLH2CBLK.

Lot Number: A0I010248

Date Analyzed: 10/16/00

Time Analyzed: 19:06

Matrix: SOLID

Date Extracted: 10/04/00

GC Column: DB 5.625 ID: .00

Extraction Method:

Instrument ID: HP8

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SL51-6"	DJRNG30U	SL516RE.D	10/16/00	19:46
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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17					
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26					
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28					
29					
30					

COMMENTS:

FORM IV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QBSCH Case No.: SAS No.: SDG No.: 101246

Lab File ID: 8DF0929 DFTPP Injection Date: 09/29/00

Instrument ID: M4BP8 DFTPP Injection Time: 1711

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	41.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	42.5
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	25.0 - 75.0% of mass 198	44.4
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	25.1
365	Greater than 0.75% of mass 198	2.69
441	Present, but Less than mass 443	14.1
442	40.0 - 110.0% of mass 198	93.5
443	15.0 - 24.0% of mass 442	18.1 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

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

	BFK SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	8SM0929	09/29/00	1735
02	SSTD020	SSTD020	8SL0929	09/29/00	1816
03	SSTD160	SSTD160	8SH0929	09/29/00	1856
04	SSTD120	SSTD120	8SMH0929	09/29/00	1937
05	SSTD050	SSTD050	8SML0929	09/29/00	2017
06					
07					
08					
09					
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17					
18					
19					
20					
21					
22					

page 1 of 1

FORM V SV CLP03.0

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESCH Case No.: SAS No.: SDG No.: 101240

Lab File ID: 8DF0929D DFTPP Injection Date: 09/29/00

Instrument ID: M4HP8 DFTPP Injection Time: 2017

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	42.0
68	Less than 2.0% of mass 69	0.0 (1) 0.0%
69	Mass 69 relative abundance	43.4
70	Less than 2.0% of mass 69	0.3 (1) 0.6%
127	25.0 - 75.0% of mass 198	45.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	25.8
365	Greater than 0.75% of mass 198	2.72
441	Present, but less than mass 443	14.6
442	40.0 - 110.0% of mass 198	97.7
443	15.0 - 24.0% of mass 442	18.7 (2) 19.3%

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	8SML0929	09/29/00	2017
02	DJVT3BLK	DJVT3101	DJVT3BLK	09/29/00	2057
03	DL4QABLK	DL4QA101	DL4QABLK	09/29/00	2136
04	SL50-4'	DJRND10U	SL504	09/29/00	2216
05	SL51-4'	DJRNK10U	SL514	09/29/00	2256
06	SL52-6"	DJRNM10U	SL526	09/29/00	2335
07	SL52-4'	DJRNN10U	SL524	09/30/00	0015
08	SL53-6"	DJRNQ10U	SL536	09/30/00	0054
09	SL55-6"	DJRP710U	SL556	09/30/00	0133
10	SL50-6"	DJRN410U	SL506	09/30/00	0213
11	SL51-6"	DJRN510U	SL516	09/30/00	0252
12	SL54-6"	DJRP010U	SL546	09/30/00	0331
13	SL51-4'	DJRNK20U	SL514RE	09/30/00	0449
14	SL53-6"	DJRNQ20U	SL536RE	09/30/00	0529
15	SL55-6"	DJRP720U	SL556RE	09/30/00	0608
16					
17					
18					
19					
20					
21					
22					

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FORM V SV OLM03.0

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QBSCH Case No.: SAS No.: SDG No.: 101248

Lab File ID: 8DF0930B DFTPP Injection Date: 09/30/00

Instrument ID: A4HP8 DFTPP Injection Time: 1215

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 80.0% of mass 198	41.9	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	42.1	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	43.9	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0 - 30.0% of mass 198	24.3	
365	Greater than 0.75% of mass 198	2.35	
441	Present, but less than mass 443	13.4	
442	40.0 - 110.0% of mass 198	88.2	
443	15.0 - 24.0% of mass 442	16.8	(19.1)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	SSML0930	09/30/00	1239
02	DK6MMBLK	DK6MML01	DK6MMBLK	09/30/00	1318
03	SL54-6"	DTR0207	SL546R	09/30/00	1601
04					
05					
06					
07					
08					
09					
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16					
17					
18					
19					
20					
21					
22					

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FORM V SV OLM03.0

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESCH Case No.: SAS No.: SDG No.: 101148

Lab File ID: 8DF1016 DFTPP Injection Date: 10/16/00

Instrument ID: A4HP8 DFTPP Injection Time: 1803

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	31.8
68	Less than 2.0% of mass 69	0.0 (1 0.0%)
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.1 (1 0.2%)
127	25.0 - 75.0% of mass 198	38.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	25.9
365	Greater than 0.75% of mass 198	2.30
441	Present, but less than mass 443	10.2
442	40.0 - 110.0% of mass 198	67.1
443	15.0 - 24.0% of mass 442	13.3 (2 19.9%)

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	8SML1016	10/16/00	1823
02	DLBRCSLK	DLBRC101	DLBRCSLK	10/16/00	1906
03	SL51-6"	DTRN3300	SL516RB	10/16/00	1946
04					
05					
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21					
22					

page 1 of 1

FORM V SV OLM03.0

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QBSCK Case No.: SAS No.: SDG No.: 101248

Lab File ID (Standard): 8SML0929 Date Analyzed: 09/29/00

Instrument ID: M4HP8 Time Analyzed: 2017

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	365340	7.94	1435708	10.43	887853	14.10
	UPPER LIMIT	730680	8.44	2871416	10.93	1775706	14.60
	LOWER LIMIT	182670	7.44	717854	9.93	443927	13.60
	EPA SAMPLE NO.						
01	DCVT3BLK	346346	7.94	1361352	10.42	790174	14.09
02	DLAQ4BLK	348210	7.94	1369672	10.42	792873	14.08
03	SL50-4"	312157	7.94	1227632	10.42	695483	14.08
04	SL51-4"	309423	7.94	1250154	10.42	730655	14.08
05	SL52-6"	324299	7.94	1292443	10.42	739300	14.08
06	SL52-4"	303025	7.94	1206028	10.41	708667	14.08
07	SL53-6"	325585	7.94	1315962	10.42	783689	14.08
08	SL55-6"	337068	7.93	1369670	10.42	821564	14.08
09	SL50-6"	350230	7.94	1425487	10.42	825465	14.08
10	SL51-6"	316626	7.93	1267655	10.41	743893	14.08
11	SL54-6"	305782	7.94	1238033	10.42	706401	14.08
12	SL51-4"	368098	7.94	1485116	10.41	846866	14.08
13	SL53-6"	292827	7.94	1182211	10.41	708142	14.08
14	SL55-6"	369377	7.94	1475713	10.42	849100	14.08
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV-1 OLM03.0

QC
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOK Case No.: SAS No.: SDG No.: 101248

Lab File ID (Standard): 8SML0929 Date Analyzed: 09/29/00

Instrument ID: B4HP8 Time Analyzed: 2017

		194 (PEN) AREA #	RT #	195 (CRY) AREA #	RT #	196 (PRY) AREA #	RT #
	12 HOUR STD	1438411	17.24	985714	22.07	672762	25.67
	UPPER LIMIT	2876822	17.74	1971428	23.37	1345524	26.17
	LOWER LIMIT	719206	16.74	492857	22.37	336381	25.17
	EPA SAMPLE NO.						
01	DV73BLK	1214563	17.23	742140	22.05	546875	25.66
02	DL4QMBLK	1232361	17.23	799073	22.06	621591	25.66
03	SL50-4'	1027849	17.23	520977	22.05	355598	25.65
04	SL51-4'	1104347	17.23	632942	22.05	475614	25.66
05	SL52-6"	1077528	17.23	671141	22.05	514443	25.66
06	SL52-4'	1136148	17.23	723303	22.05	548173	25.65
07	SL53-6"	1276331	17.23	795291	22.06	618080	25.66
08	SL55-6"	1363117	17.23	860839	22.06	671096	25.66
09	SL50-6"	1224964	17.23	566772	22.05	441645	25.66
10	SL51-6"	1112345	17.23	676839	22.05	565184	25.66
11	SL54-6"	1038911	17.23	521019	22.05	371526	25.66
12	SL51-4'	1248410	17.23	723842	22.05	555905	25.66
13	SL53-6"	1144168	17.23	812069	22.05	596049	25.66
14	SL55-6"	1266947	17.23	799039	22.05	623335	25.66
15							
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194 (PEN) = Phenanthrene-d10
195 (CRY) = Chrysene-d12
196 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV-3 OLM03.0

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESCH Case No.: SAS No.: SDG No.: X01248

Lab File ID (Standard): 8SM10930 Date Analyzed: 09/30/00

Instrument ID: A4BP8 Time Analyzed: 1239

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	380501	7.90	1509186	10.38	901521	14.05
	UPPER LIMIT	761002	8.40	3018372	10.88	1803042	14.55
	LOWER LIMIT	190251	7.40	754593	9.88	450761	13.55
	EPA SAMPLE NO.						
01	DX6MMBLK	430778	7.90	1735428	10.37	997936	14.04
02	SL54-6"	277735	7.90	1098922	10.37	627343	14.04
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1 OLM03.0

QC
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QBSOH Case No.: SAS No.: SDG No.: 101248

Lab File ID (Standard): S8ML0930 Date Analyzed: 09/30/00

Instrument ID: A4HP8 Time Analyzed: 1339

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1293243	17.19	826437	22.82	484373	25.62
	UPPER LIMIT	2586486	17.69	1652874	23.32	968746	26.12
	LOWER LIMIT	646622	16.69	413219	22.32	242187	25.12
	EPA SAMPLE NO.						
01.	DREMMBLK	1534983	17.18	1002360	22.80	876973	25.61
02	SL54-6"	896273	17.18	433888	22.81	371222	25.61
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22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

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FORM VIII SV-2 OLM03.0

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QBSOH Case No.: SAS No.: SDG No.: D01248

Lab File ID (Standard): 8SMA1016 Date Analyzed: 10/16/00

Instrument ID: A4HP8 Time Analyzed: 1823

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	912851	7.23	3208921	9.67	2200851	13.30
	UPPER LIMIT	1825702	7.73	6417842	10.17	4401702	13.80
	LOWER LIMIT	456426	6.73	1604461	9.17	1100426	12.80
	EPA SAMPLE NO.						
01	DERCBLK	768073	7.23	2624383	9.66	1635245	13.29
02	SL51-6"	923700	7.23	3201042	9.66	2068137	13.29
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

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FORM VIII SV-1 OLM03.0

QC
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: I01248

Lab File ID (Standard): 8SM1101.6 Date Analyzed: 10/16/00

Instrument ID: M4HP8 Time Analyzed: 1623

		194 (PHN) AREA #	RT #	195 (CRY) AREA #	RT #	196 (PRY) AREA #	RT #
	12 HOUR STD	3707298	16.41	3639876	22.00	1850918	24.77
	UPPER LIMIT	7414596	16.91	7279752	22.50	3701836	25.27
	LOWER LIMIT	1853649	15.91	1819938	21.50	925459	24.27
	EPA SAMPLE NO.						
01	DLH2CBLK	2784760	16.41	2110200	21.98	1566510	24.76
02	S151-6"	3484924	16.40	3076758	21.98	2294510	24.76
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22							

194 (PHN) = Phenanthrene-d10
195 (CRY) = Chrysene-d12
196 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV-2 OLM03.0

STL
Committed To Your Success

SAMPLE DATA

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: AOI010248 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRN410U Date Extracted: 09/06/00
Dilution factor: 1 Date Analysed: 09/30/00
Moisture %: 21

QC Batch: 0249298

Client Sample Id: SL50-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl) ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitrosodi-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	100	J
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRN410U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 21

QC Batch: 0249298

Client Sample Id: SL50-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethyl phthalate	420	U
7005-72-3	4-Chlorophenyl phenyl ether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenyl phenyl ether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	350	J
120-12-7	Anthracene	42	J
86-74-8	Carbazole	420	U
84-74-2	Di-n-butyl phthalate	420	U
206-44-0	Fluoranthene	390	J
129-00-0	Pyrene	340	J
85-68-7	Butyl benzyl phthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	230	J
218-01-9	Chrysene	280	J

FORM I

SMCT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: K01248

Matrix: (soil/water) SO Lab Sample ID: A0K010248 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample Wt/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DTRN4100 Date Extracted: 09/06/00
Dilution Factor: 1 Date Analyzed: 09/30/00
Moisture % 21

QC Batch: 0309390

Client Sample Id: SL50-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	190	J
117-84-0	Di-n-octyl phthalate	410	U
205-99-2	Benzo(b)fluoranthene	250	J
207-08-9	Benzo(k)fluoranthene	92	J
50-32-8	Benzo(a)pyrene	53	J
193-39-5	Indeno(1,2,3-cd)pyrene	53	J
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(ghi)perylene	410	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01348

Matrix: (soil/water) SO Lab Sample ID: A0101348 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRN41OU Date Extracted: 09/06/00
Dilution Factor: 1 Date Analyzed: 09/30/00
Moisture % 21

QC Batch: 0269398

Client Sample Id: SL50-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.377	40000	TB
	Unknown	10.397	790	J
	Unknown chloro-methyl-phenol	11.368	84	J
	Unknown	13.639	140	J
101-21-3	Chlorpropham	15.784	260	NJ
	Unknown Hydrocarbon	16.173	98	J
	Unknown Hydrocarbon	16.202	110	J
	Unknown	18.308	260	J
	Unknown	18.534	91	J
56641-38-4	gamma-Chlordane	18.833	150	NJ
309-00-2	Aldrin-R	19.972	1300	NJ
	Unknown	19.949	140	J
	Unknown	19.525	190	J
	Unknown	19.645	110	J
57-74-9	Chlordane	20.039	600	NJ
	Unknown pesticide	20.573	160	J
	Unknown	20.64	670	J
	Unknown pesticide	21.015	190	J
	Unknown	22.078	140	J
	Unknown Hydrocarbon	24.127	110	J
57-88-5	Cholesterol	27.022	420	NJ
	Unknown	27.100	110	J
60-57-1	Dieldrin	29.741	190	NJ
	Unknown	29.948	210	J
	Unknown pesticide	31.305	170	J
	Unknown Hydrocarbon	25.302	190	J

FORM I - TIC

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: AOI010248 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRN410U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 21

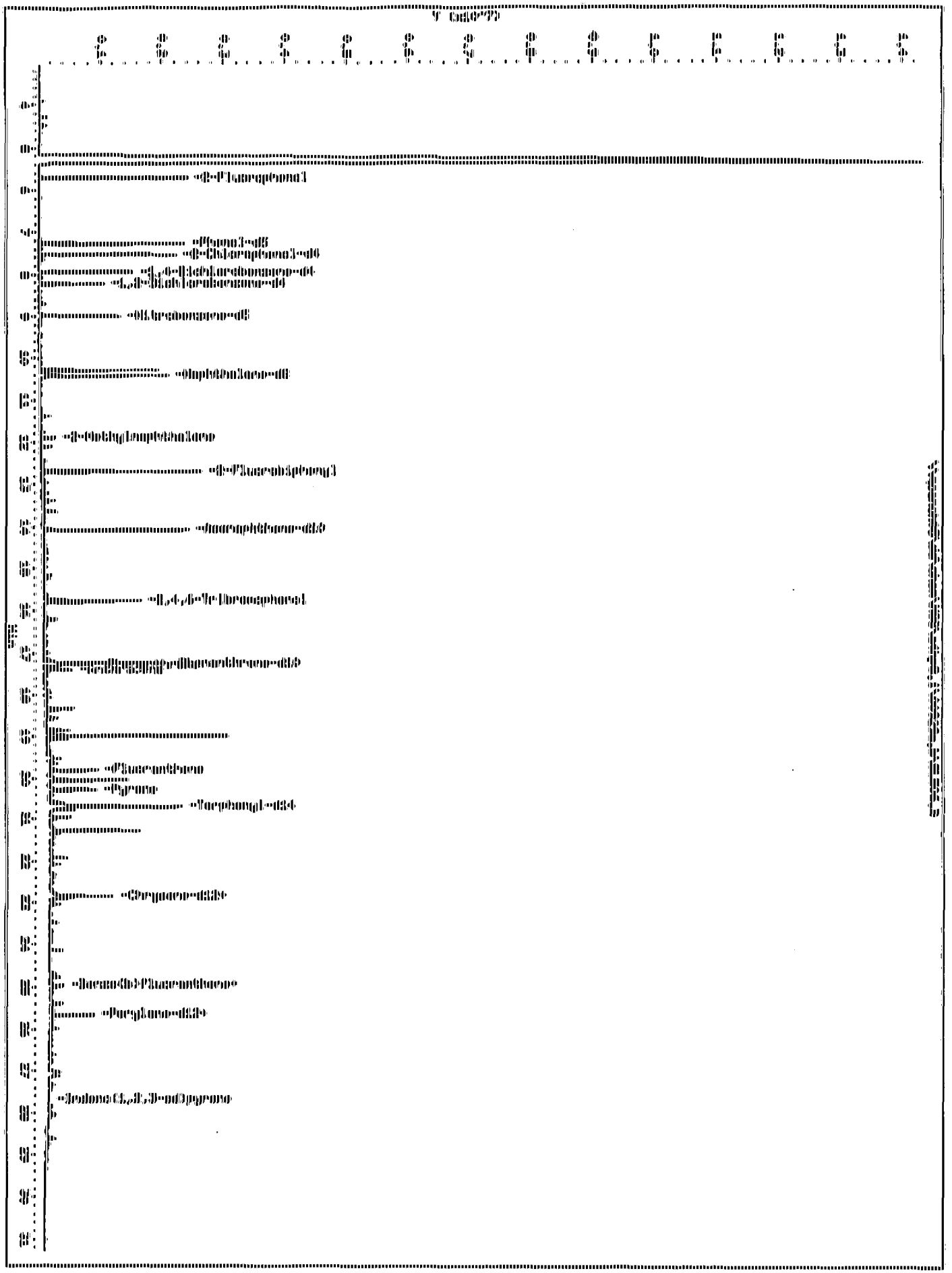
QC Batch: 0249298

Client Sample Id: SL50-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	26.762	210	J
	Unknown	28.036	250	J
	Unknown	28.604	290	J

FORM I - TIC



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D Page 1
Report Date: 30-Sep-2000 12:10

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D
Lab Smp Id: DJRN410U Client Smp ID: SL50-6"
Inj Date : 30-SEP-2000 02:13
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrn410u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

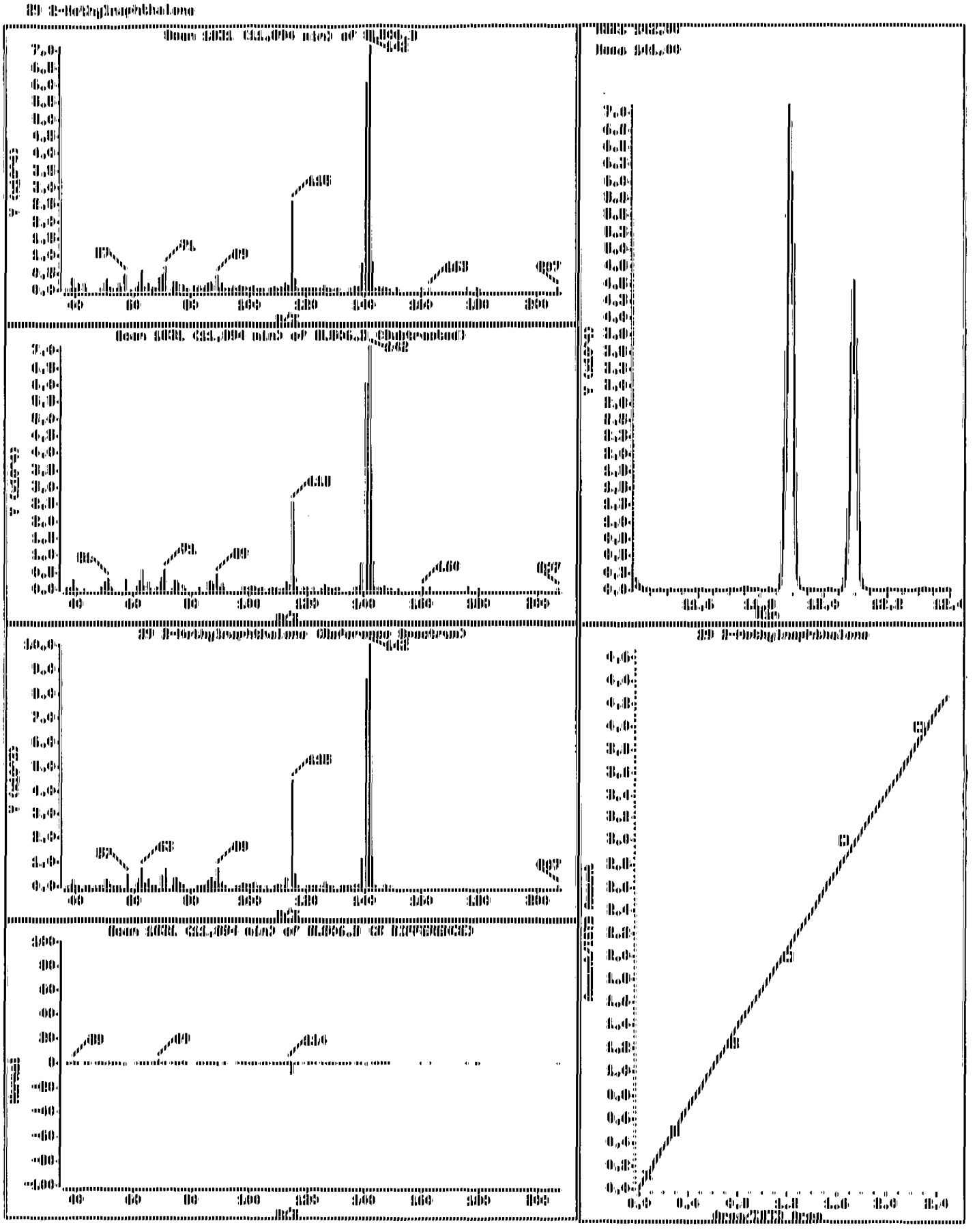
Compounds	QUANT SIG MASS	RT	REP RT	REL RT	RESPONSE	CONCENTRATION ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	350230	40.0000	
* 2 Naphthalene-d8	136	10.417	10.424	(1.000)	1425607	40.0000	
* 3 Acenaphthene-d10	164	14.001	14.098	(1.000)	635468	40.0000	
* 4 Phenanthrene-d10	188	17.331	17.340	(1.000)	1234964	40.0000	
* 5 Chrysene-d12	240	23.083	23.466	(1.000)	864772	40.0000	
* 6 Perylene-d12	244	25.661	25.468	(1.000)	643448	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

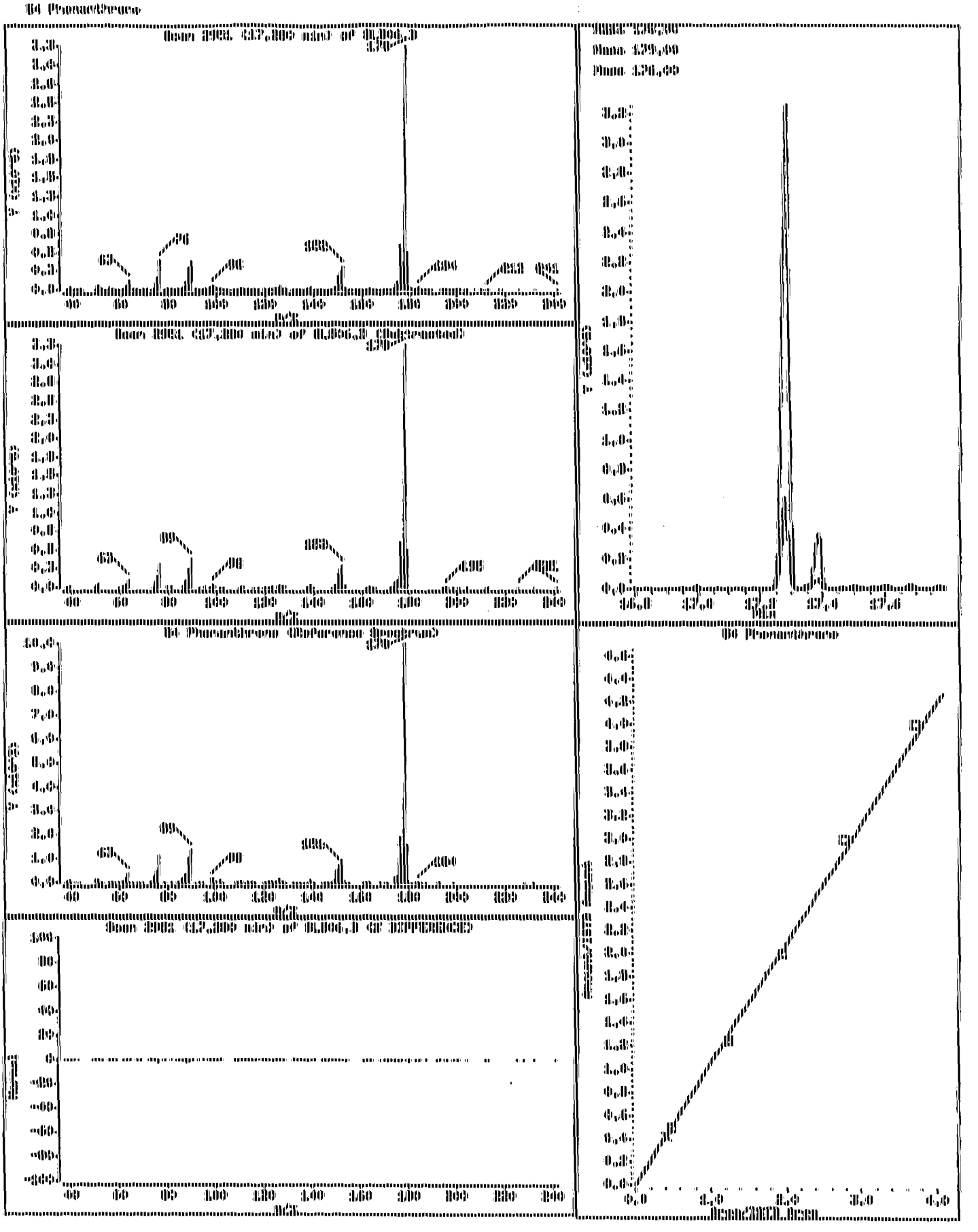
Compound	Count Amt Unit	RT	RRT	RF	RRF	RR%	Response	Concentrations On-Column (ng)	Conc. Prec. (ng/Mgr)
16 3,3'-Oxybis(1-Chloropropane)	45	Compound Not Detected.							
15 4-Methylphenol	300	Compound Not Detected.							
16 N-Nitrosodipropylamine	70	Compound Not Detected.							
17 Hexachloroethane	117	Compound Not Detected.							
18 Nitrobenzene	77	Compound Not Detected.							
19 Isophorone	82	Compound Not Detected.							
20 2-Nitrophenol	139	Compound Not Detected.							
21 2,4-Dimethylphenol	107	Compound Not Detected.							
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.							
23 2,4-Dichlorophenol	162	Compound Not Detected.							
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.							
25 Naphthalene	128	Compound Not Detected.							
26 4-Chloroaniline	127	Compound Not Detected.							
27 Hexachlorobutadiene	225	Compound Not Detected.							
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.							
29 2-Methylnaphthalene	142	11.090	11.102	(1.243)	107301	6.99700	63(n)
30 Hexachlorocyclopentadiene	237	Compound Not Detected.							
31 2,4,6-Trichlorophenol	196	Compound Not Detected.							
32 2,4,5-Trichlorophenol	196	Compound Not Detected.							
33 2-Chloronaphthalene	162	Compound Not Detected.							
34 2-Nitroaniline	65	Compound Not Detected.							
35 Dimethylphthalate	163	Compound Not Detected.							
36 Acenaphthylene	152	Compound Not Detected.							
37 2,6-Dinitrotoluene	165	Compound Not Detected.							
38 3-Nitroaniline	138	Compound Not Detected.							
39 Acenaphthene	153	Compound Not Detected.							
40 2,4-Dinitrophenol	184	Compound Not Detected.							
41 4-Nitrophenol	109	Compound Not Detected.							
42 Dibenzofuran	168	Compound Not Detected.							
43 2,4-Dinitrotoluene	165	Compound Not Detected.							
44 Diethylphthalate	149	Compound Not Detected.							
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.							
46 Fluorene	166	Compound Not Detected.							
47 4-Nitroaniline	138	Compound Not Detected.							
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.							
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.							
50 4-Bromophenyl-phenylether	248	Compound Not Detected.							
51 Hexachlorobenzene	284	Compound Not Detected.							
52 Pentachlorophenol	266	Compound Not Detected.							
53 Phenanthrene	178	17.279	17.299	(1.003)	506039	16.6001	300(n)
54 Anthracene	178	17.301	17.299	(1.000)	19340	1.00153	33(n)
55 Carbazole	167	Compound Not Detected.							
57 Di-n-butylphthalate	149	Compound Not Detected.							
58 Fluoranthene	202	19.004	19.010	(1.169)	646063	31.6004	310(n)
59 Pyrene	202	20.300	20.309	(0.997)	330030	34.0499	270(n)
60 Butylbenzylphthalate	149	Compound Not Detected.							
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.							

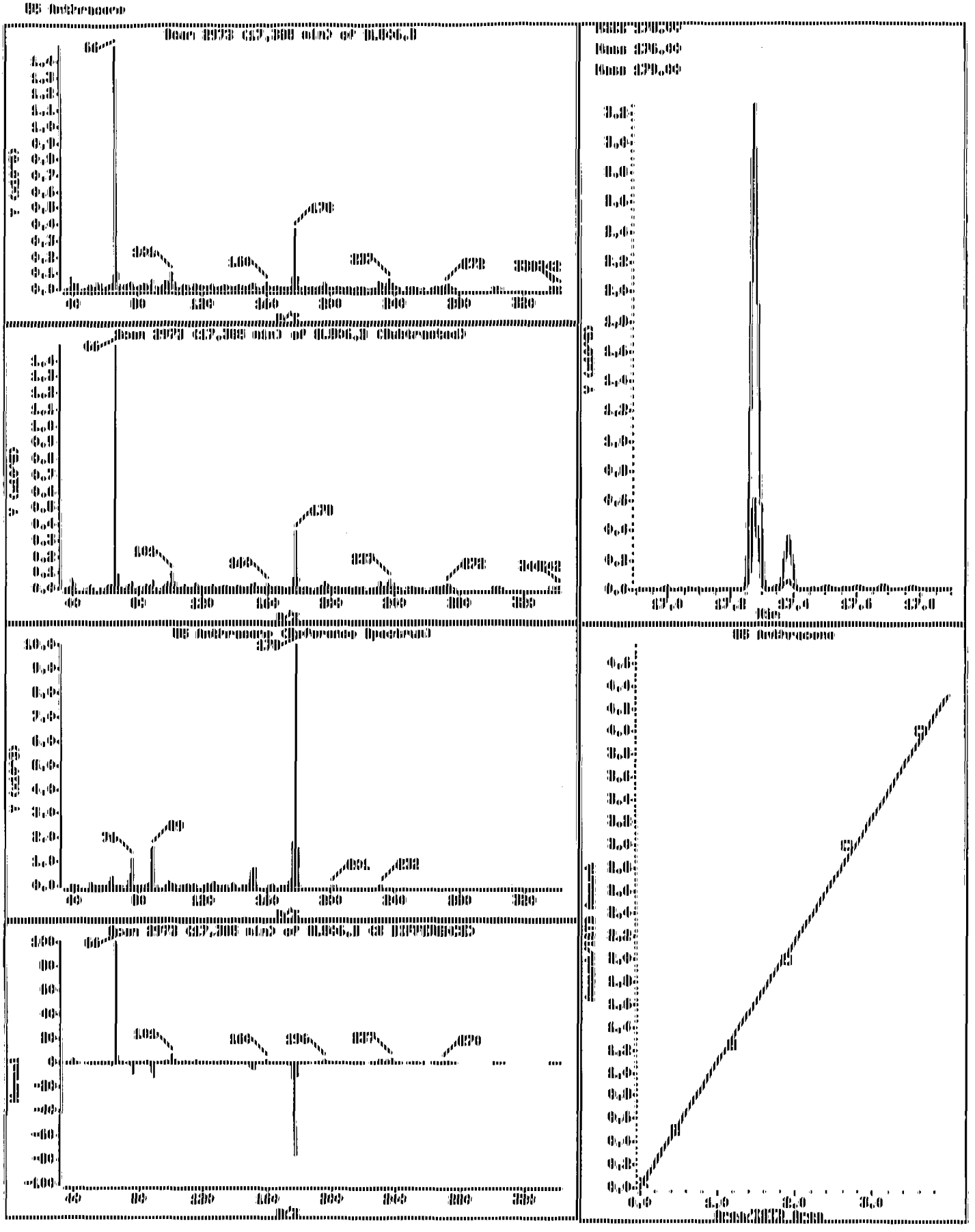
		Compound	Scan #s	RT	RRT	RRT RT	Quantitation	Concentrations CW-Corrdn (ug)	Final (ug/kg)
	63	Benzo(a)anthracene	330	33.033	33.063	(0.999)	170076	33.0769	300(ug)
	63	Chrysene	330	33.009	33.019	(1.003)	191907	33.3634	320(a)
	66	bis(2-ethylhexyl)Phthalate	340	33.090	33.099	(1.000)	60069	6.32313	100(a)
	65	Di-n-octylphthalate	340	Compound Not Detected.					
	66	Benzo(b)Fluoranthene	393	36.066	36.077	(0.979)	106096	11.9903	300(a)
	67	Benzo(k)Fluoranthene	393	36.013	36.039	(0.976)	49335	4.00301	76(ug)
	68	Benzo(a)pyrene	393	38.066	38.104	(0.996)	34606	3.83337	63(a)
	69	Indeno(1,2,3,c-cd)pyrene	376	37.003	37.704	(1.070)	30099	3.83333	63(a)
	70	Dibenz(a,h)anthracene	370	Compound Not Detected.					
	71	Benzo(g,h,i)perylene	376	Compound Not Detected.					
0	73	Nitrobenzene-d5	63	0.909	0.900	(0.003)	600016	67.4836	700
0	75	2-Fluorobiphenyl	173	13.607	13.096	(0.001)	1390013	87.0603	900
0	76	Terphenyl-d14	244	30.670	30.003	(0.998)	1380334	91.4309	1100
0	78	Phenol-d5	99	7.307	7.303	(0.918)	1336970	46.9477	3400
0	79	2-Fluorophenol	112	5.710	5.670	(0.730)	914604	75.0100	2300
0	77	2,4,6-Tribromophenol	330	18.996	19.700	(0.934)	307920	100.000	1700(G)
0	80	2-Chlorophenol-d4	132	7.833	7.813	(0.977)	897796	87.6944	3400(G)
0	82	1,2-Dichlorobenzene-d4	152	6.319	6.319	(1.034)	334600	33.6393	960

QC Flag Legend

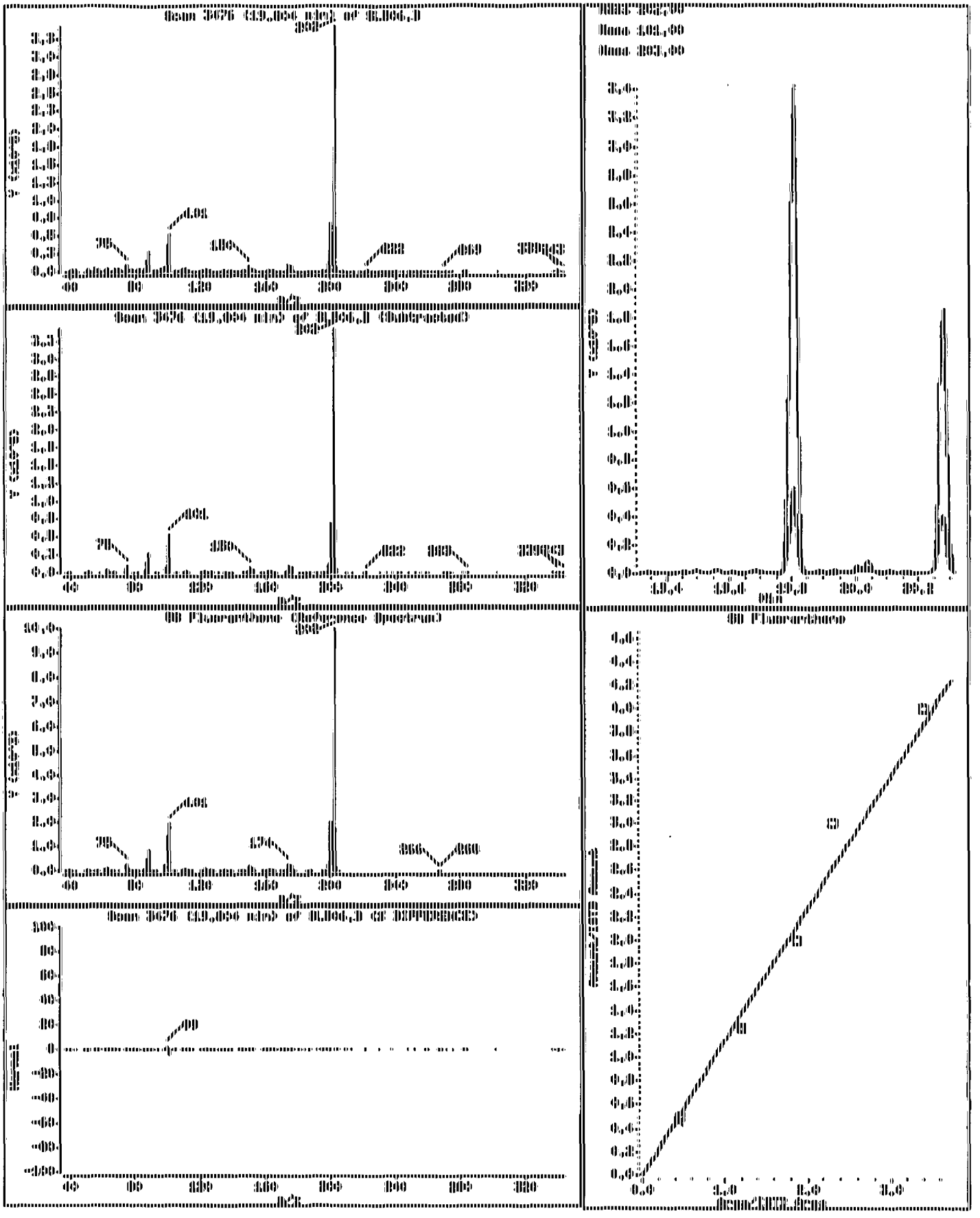
B - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
G - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

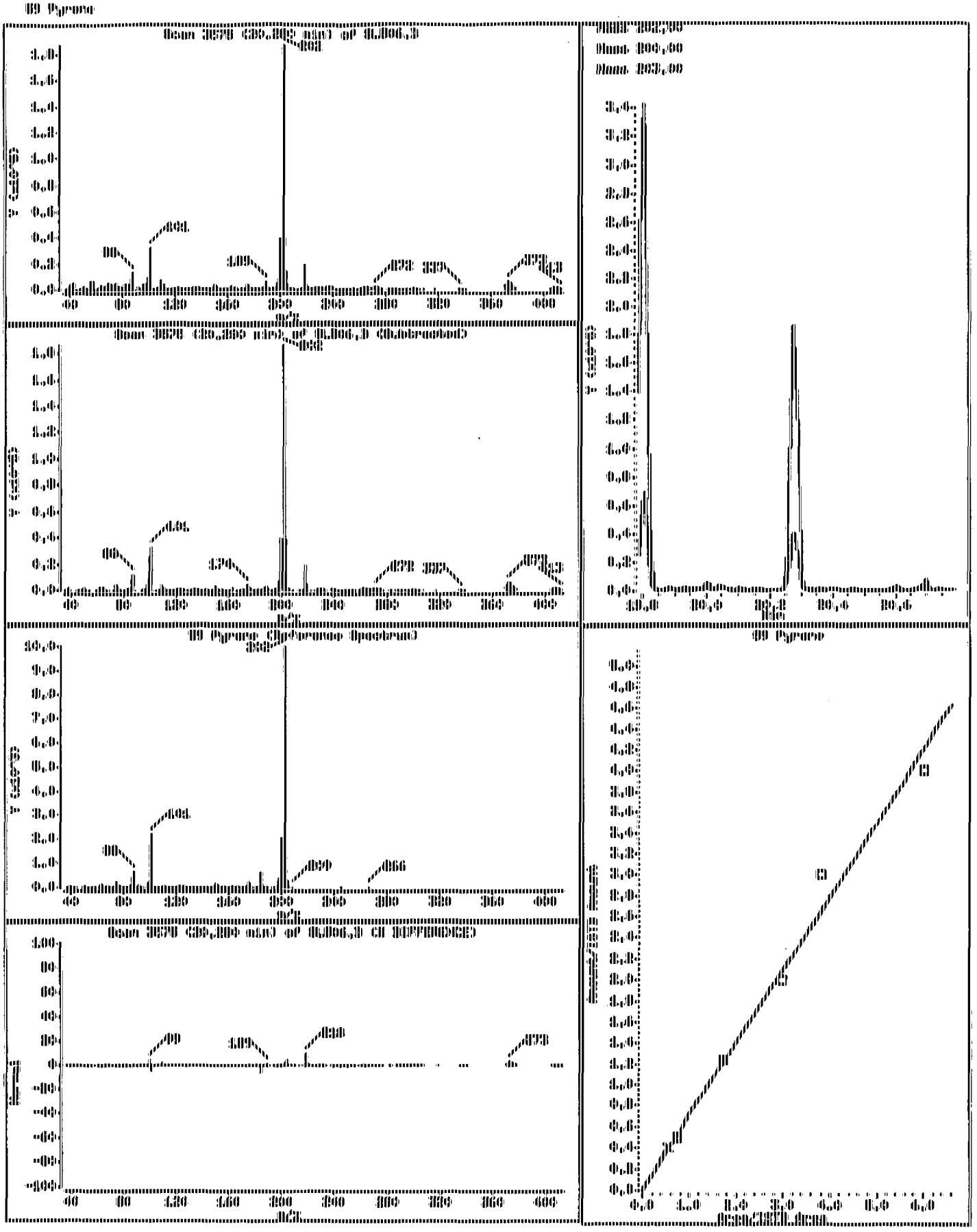

2,9-Dimethylnaphthalene
Scan 1031 (11.090 min) of 0.D96.D
Scan 1038 (11.094 min) of 0.D96.D (Subtracted)
2,9-Dimethylnaphthalene Chlorange Spectrum
Scan 1031 (11.094 min) of 0.D96.D (2,9-DMN)
Scan 1031
Scan 141.00
2,9-Dimethylnaphthalene
Abundance
Area Ratio
m/z
Time
Abundance

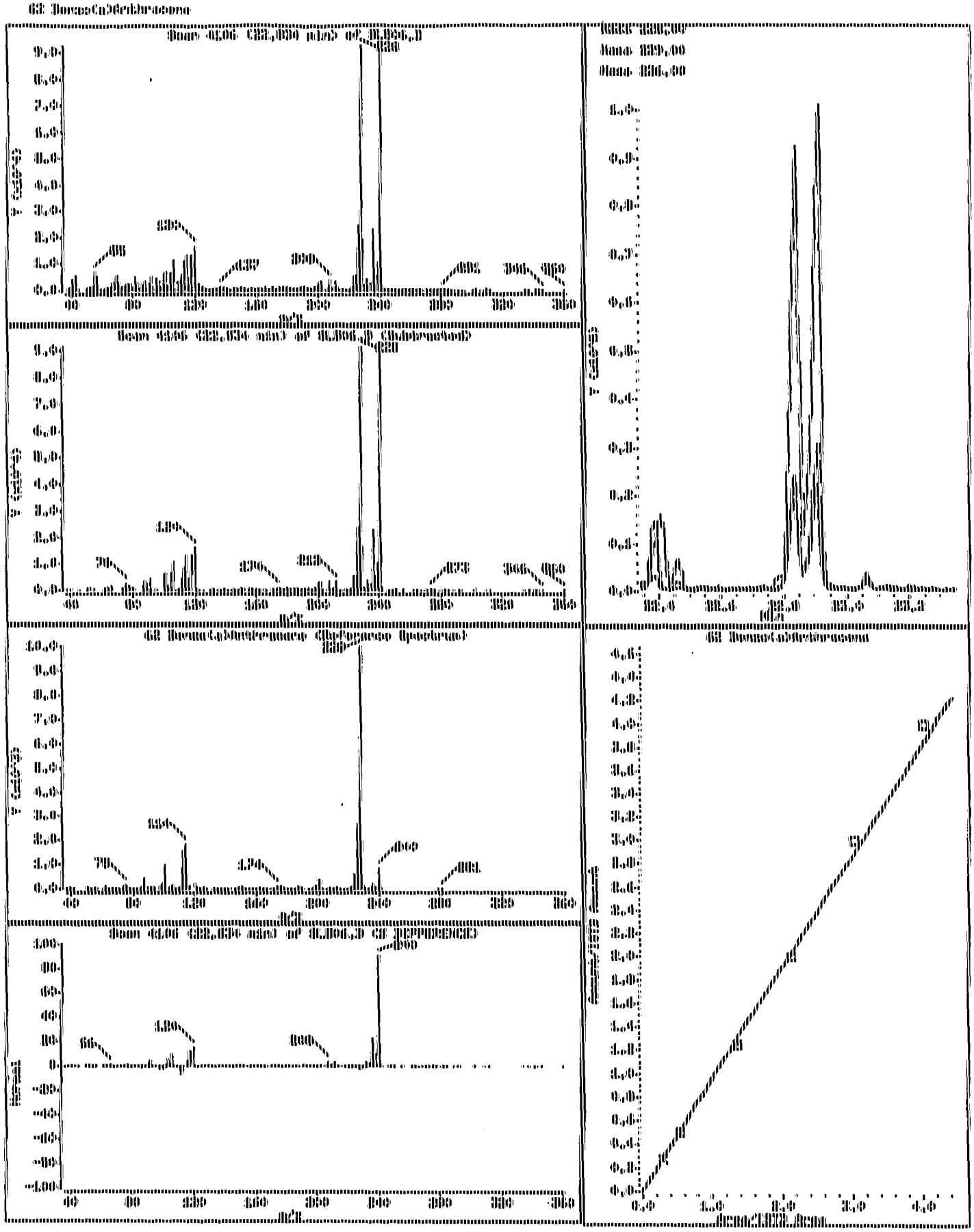


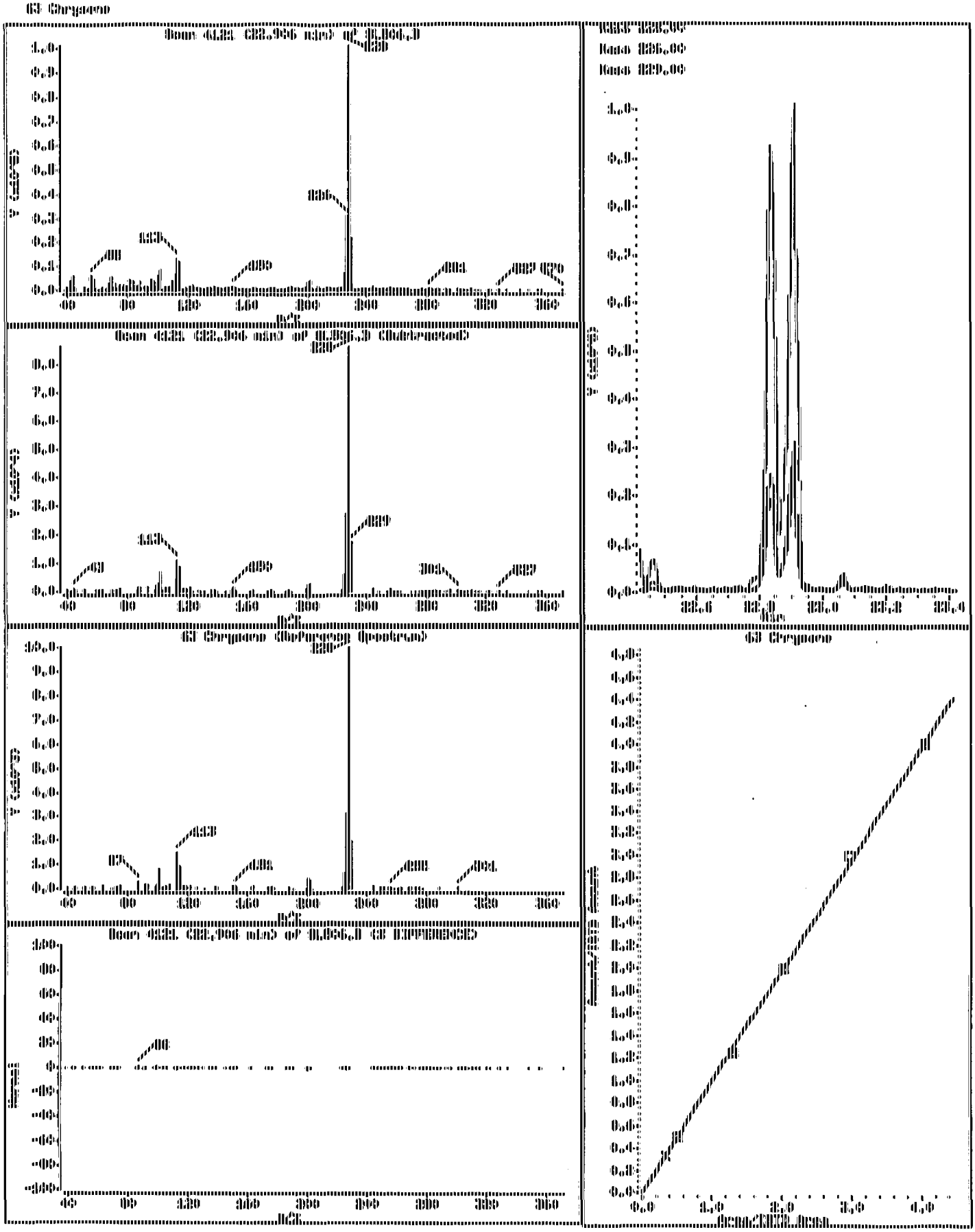


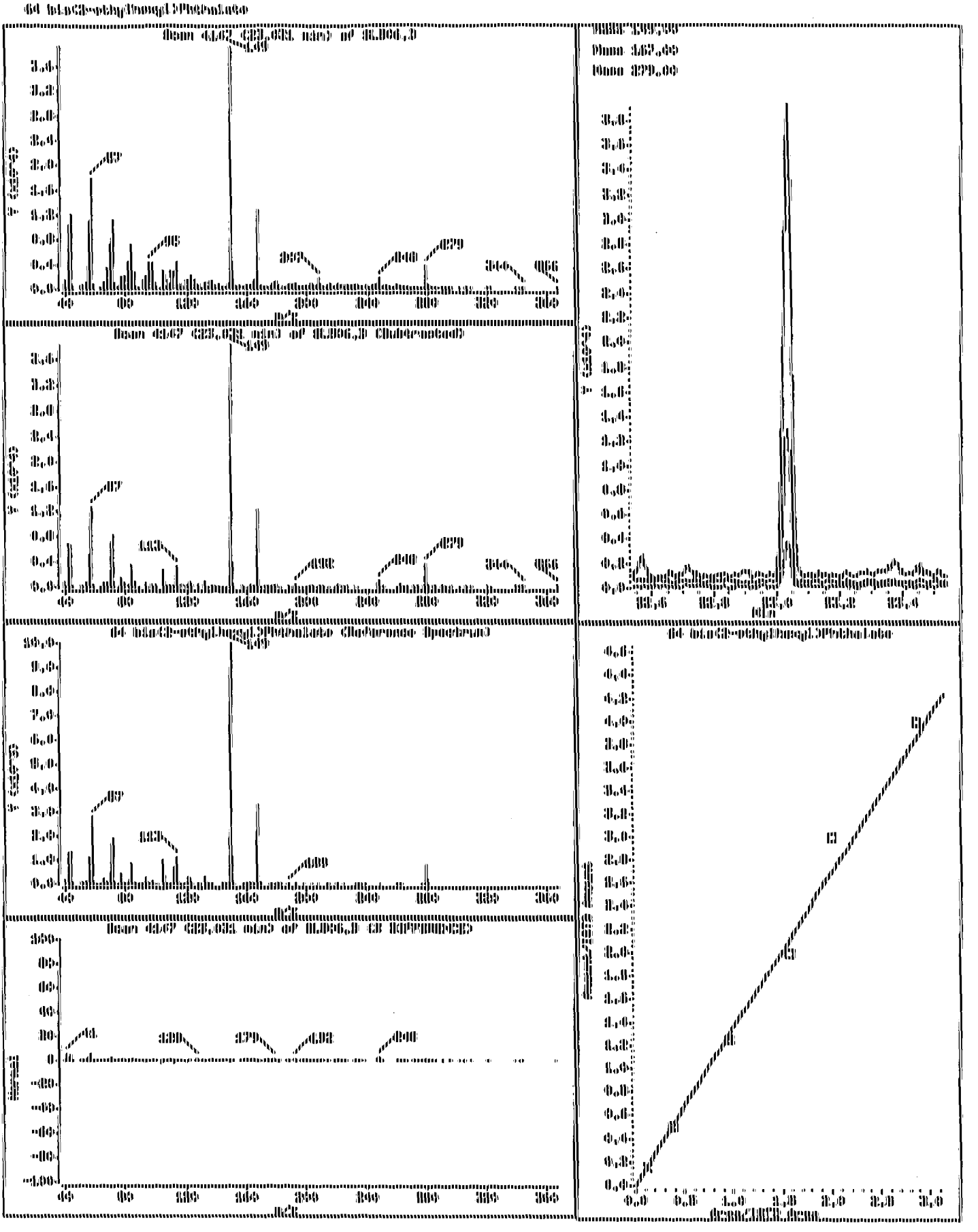
60 Fluoranthene

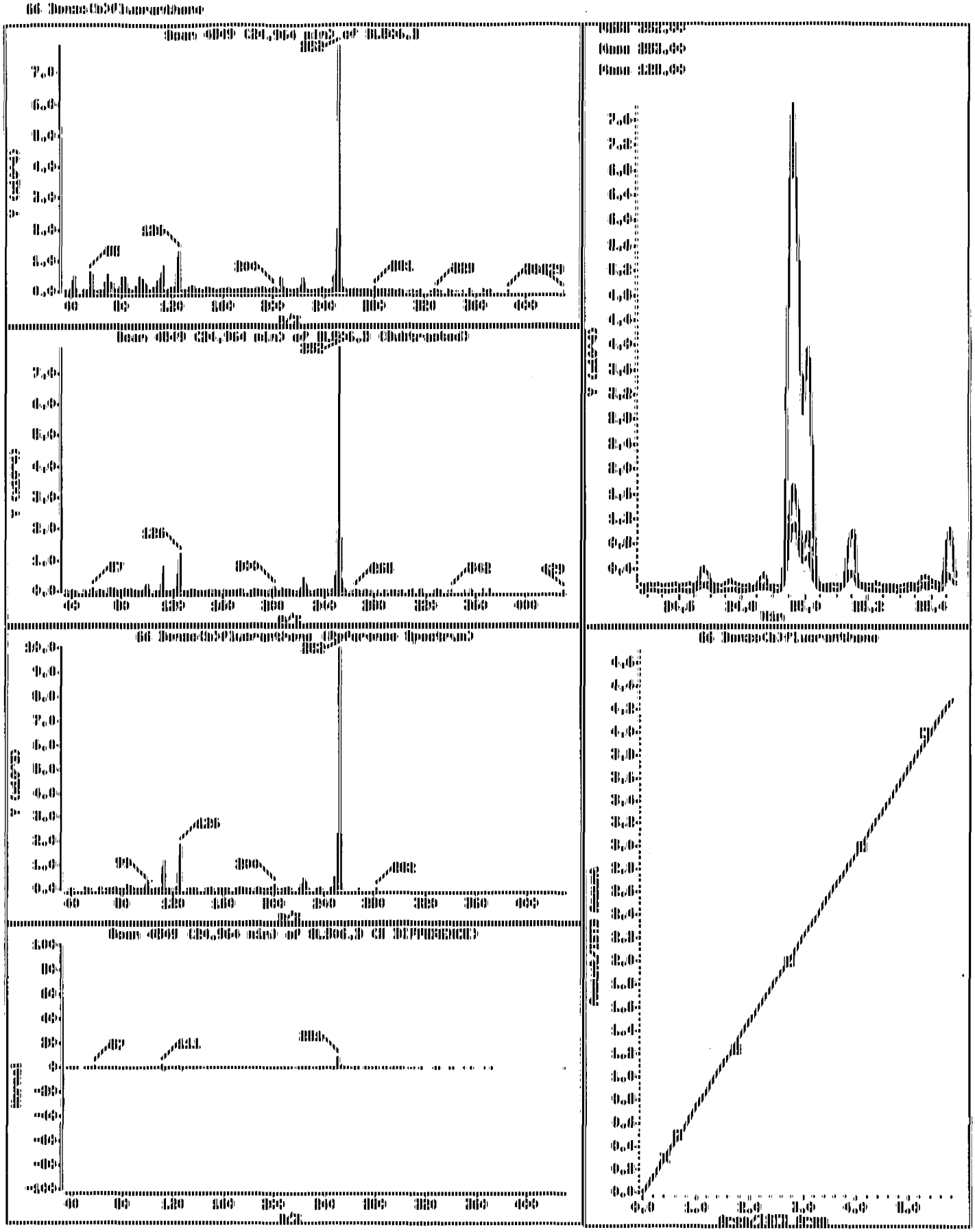


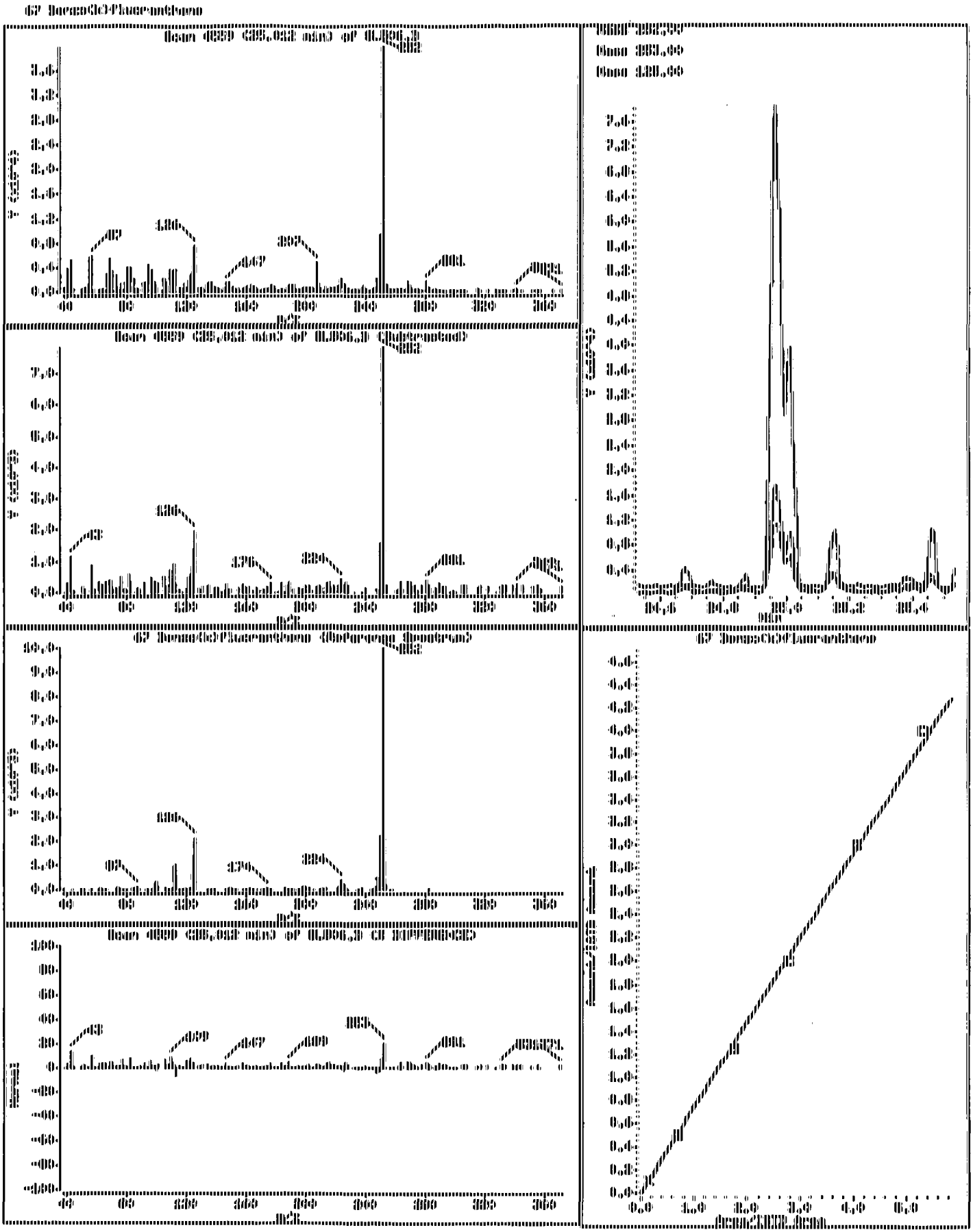


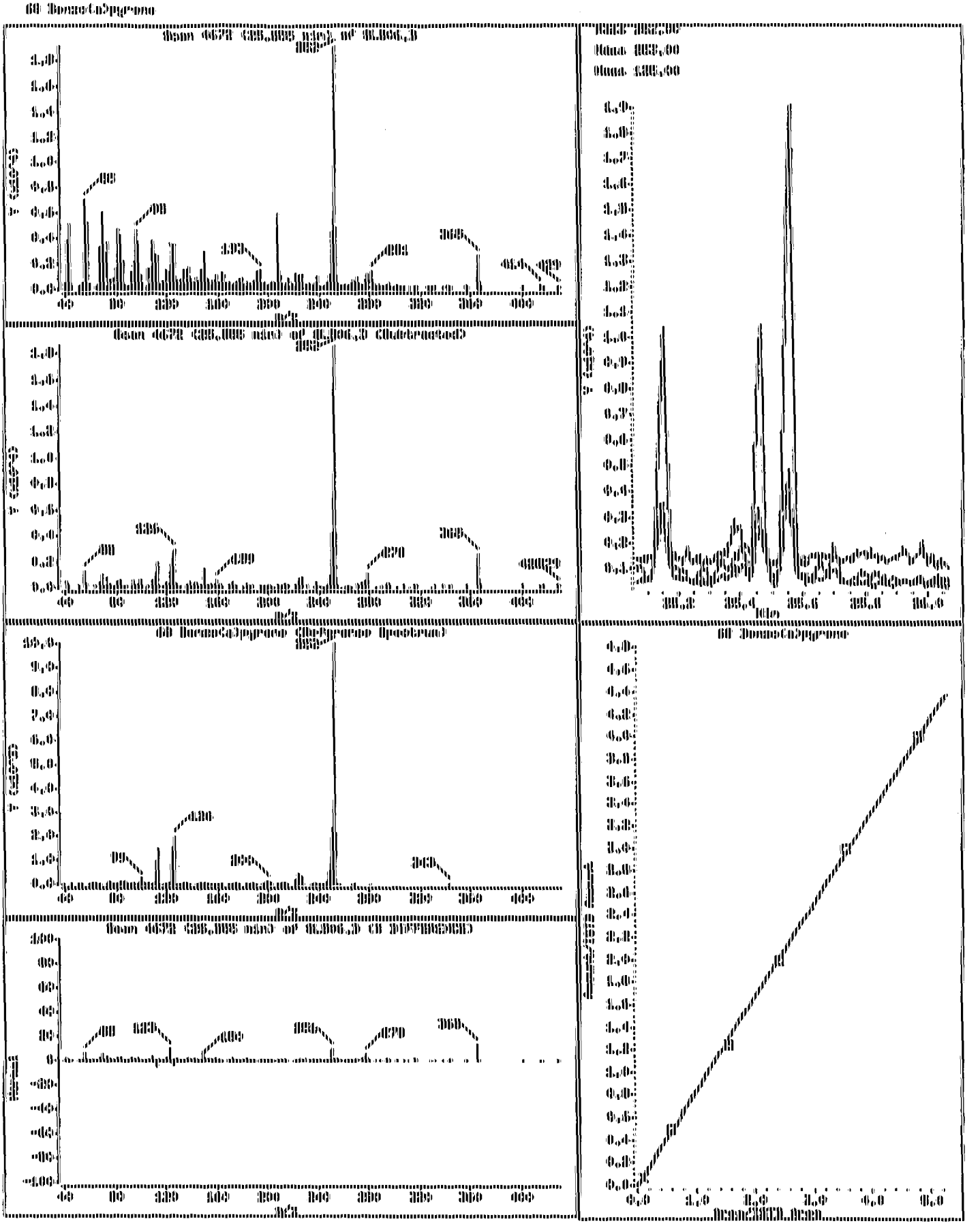


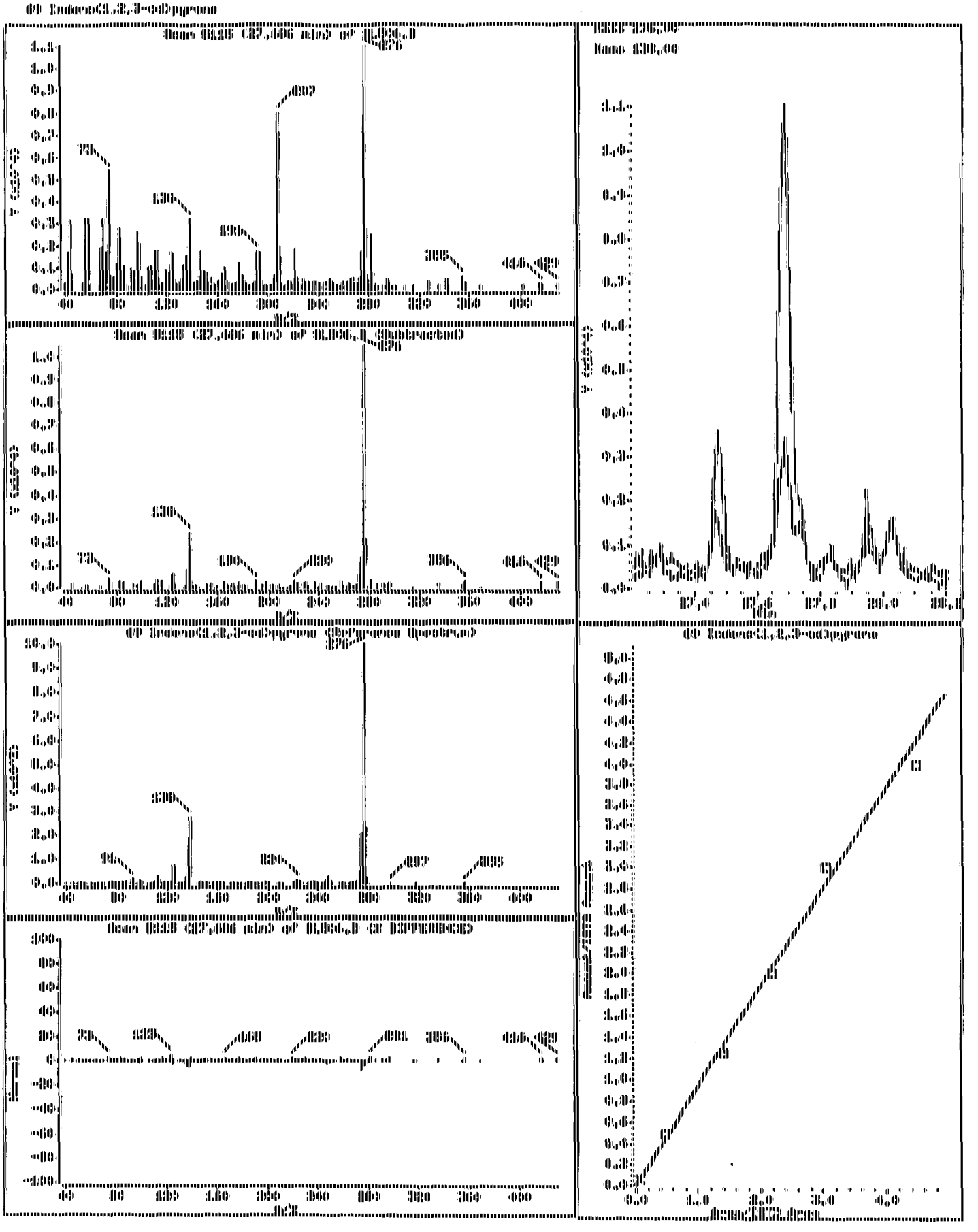












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D
Lab Smp Id: DJRN410U Client Smp ID: SL50-6"
Inj Date : 30-SEP-2000 02:13
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrn410u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmann Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.941	2338176	40.000
* 2 Naphthalene-d8	10.417	3159909	40.000
* 3 Acenaphthene-d10	14.082	3687749	40.000
* 4 Phenanthrene-d10	17.231	3470759	40.000
* 5 Chrysene-d12	22.853	2308945	40.000
* 6 Perylene-d12	25.661	1352363	40.000

		Concentration			Count		
RT	Area	CO-CCC (ng)	Peak (ng/kg)	Qual	Library	RID Index	Qual
Unknown Added Compounds				CAS #			
9.970	1.130e+000	1947.63037	33000	90		0	3
Unknown				CAS #			
10.397	3993019	37.0079330	634	0		0	3
Unknown chloro-methyl-phenol Isomer				CAS #			
11.370	356306	6.40309630	76	99		0	3
Unknown				CAS #			
13.039	639079	0.70073336	310	0		0	3
Chlorpropham				CAS #	101-21-3		
13.766	1090441	33.6893700	310	94	000708.1	90396	6
Unknown Hydrocarbon				CAS #			
16.176	660709	6.67066107	70	99		0	6
Unknown Hydrocarbon				CAS #			
16.303	660600	6.66666037	90	90		0	6
Unknown				CAS #			
19.909	3660838	19.0011949	810	0		0	0
Unknown				CAS #			
20.638	379930	6.37063933	93	0		0	0
gamma-Chlordane				CAS #	56603-00-4		
20.033	631063	7.3720991.0	330	96	000708.1	73603	6
Aldrin-R				CAS #	309-00-2		
20.973	6389079	66.6506633	3660	93	000708.1	70006	6
Unknown				CAS #			
19.649	889333	6.66666519	310	0		0	6
Unknown				CAS #			
19.838	667340	9.90666676	330	0		0	6
Unknown				CAS #			
19.640	07001.9	0.83663106	93	0		0	6
Chlordane				CAS #	57-74-9		
20.060	866661.6	39.0977190	810	90	000708.1	94396	6

RT	Area	Conc (ug/kg)	Resol	Qual	CAS#	Name	Est Mass	CAS#
		concentration				cover		
Unknown pentadecane				CAS #				
30.674	468036	7.7097763	190	99			0	0
Unknown				CAS #				
30.681	1661336	33.0733750	690	0			0	0
Naphthalene				CAS #	00-07-3			
30.703	61.3446	34.0793303	390	94		000700.1	70004	0
Unknown				CAS #				
30.969	677097	36.0307491	170	0			0	0
Unknown pentadecane				CAS #				
31.300	3303843	63.6603330	490	99			0	0
Unknown pentadecane				CAS #				
31.918	336630	9.0003370	390	99			0	0
Unknown				CAS #				
31.979	397767	6.0007333	310	0			0	0
Unknown Hydrocarbon				CAS #				
34.137	350164	6.3060786	390	99			0	0
Unknown Hydrocarbon				CAS #				
39.303	470830	13.0173004	330	99			0	0
Unknown				CAS #				
36.763	349330	10.3133033	370	0			0	0
Cholesterol				CAS #	57-00-6			
37.013	0061.09	10.7019001	310	99		000703.1	70137	0
Unknown				CAS #				
37.109	000993	10.0060034	300	0			0	0
Unknown				CAS #				
30.007	000613	11.3370709	360	0			0	0
Unknown				CAS #				
30.400	003773	13.0077979	330	0			0	0

Data File: [illegible] Page 22

Date : [illegible]

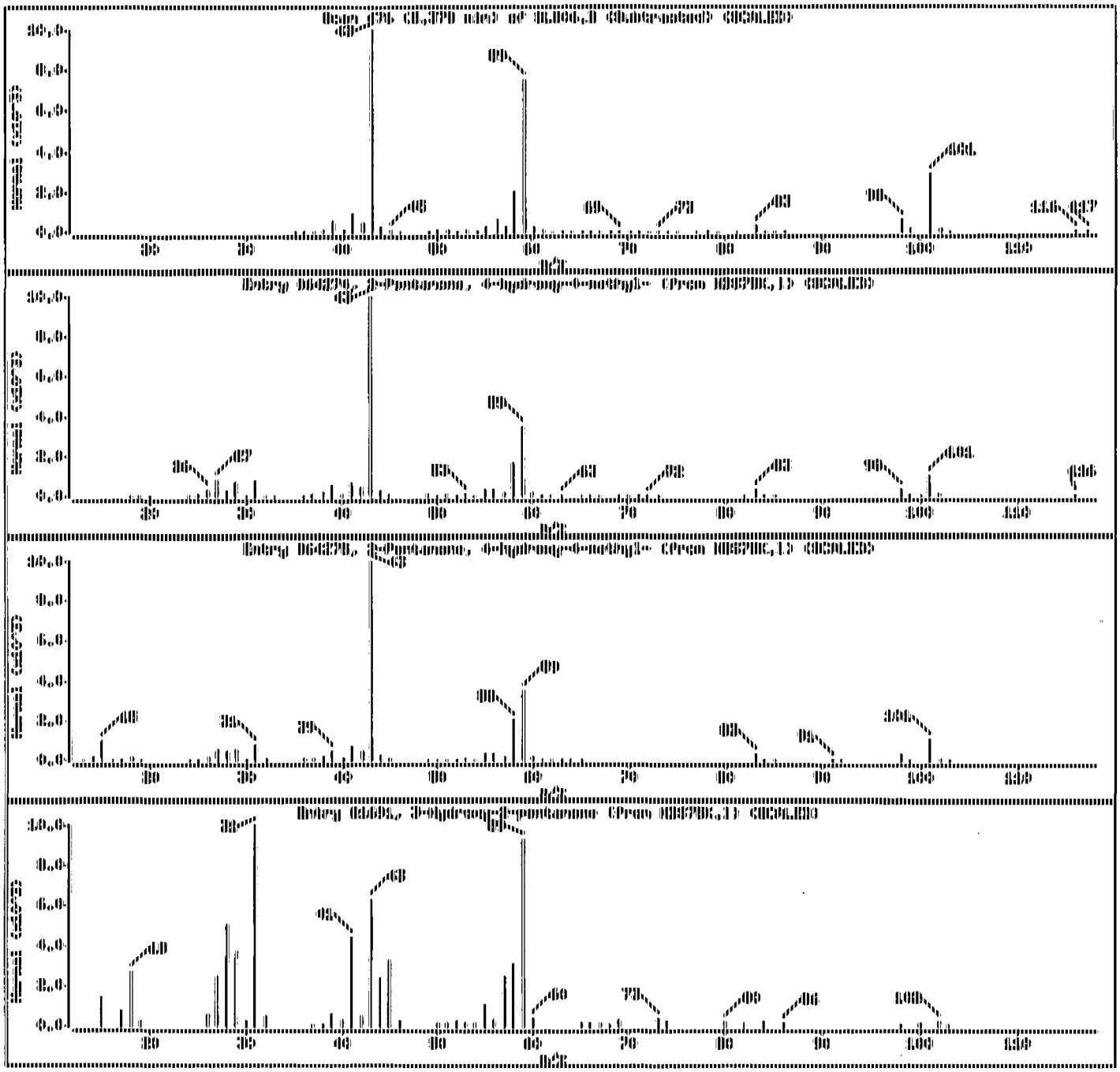
Client ID: [illegible] Instrument: [illegible]

Sample Info: [illegible]

Volume Injected (uL): [illegible] Operator: [illegible]

Column phase: Column diameter: [illegible]

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	[illegible]	[illegible]	[illegible]	64	[illegible]	[illegible]
2-Pentanone, 4-hydroxy-4-methyl-	[illegible]	[illegible]	[illegible]	64	[illegible]	[illegible]
3-Hydroxy-2-pentanone	[illegible]	[illegible]	[illegible]	33	[illegible]	[illegible]



Data File: \\qcarch08\ad\chem\HS3\adhp8.1\00929a.b\BLB06.D

Page 23

Date : 30-SEP-2000 02:13

Client ID: BLB0-6'

Instrument: adhp8.1

Sample Info: djrnd10u,00929a,b,alp8L,1-alp90,sub

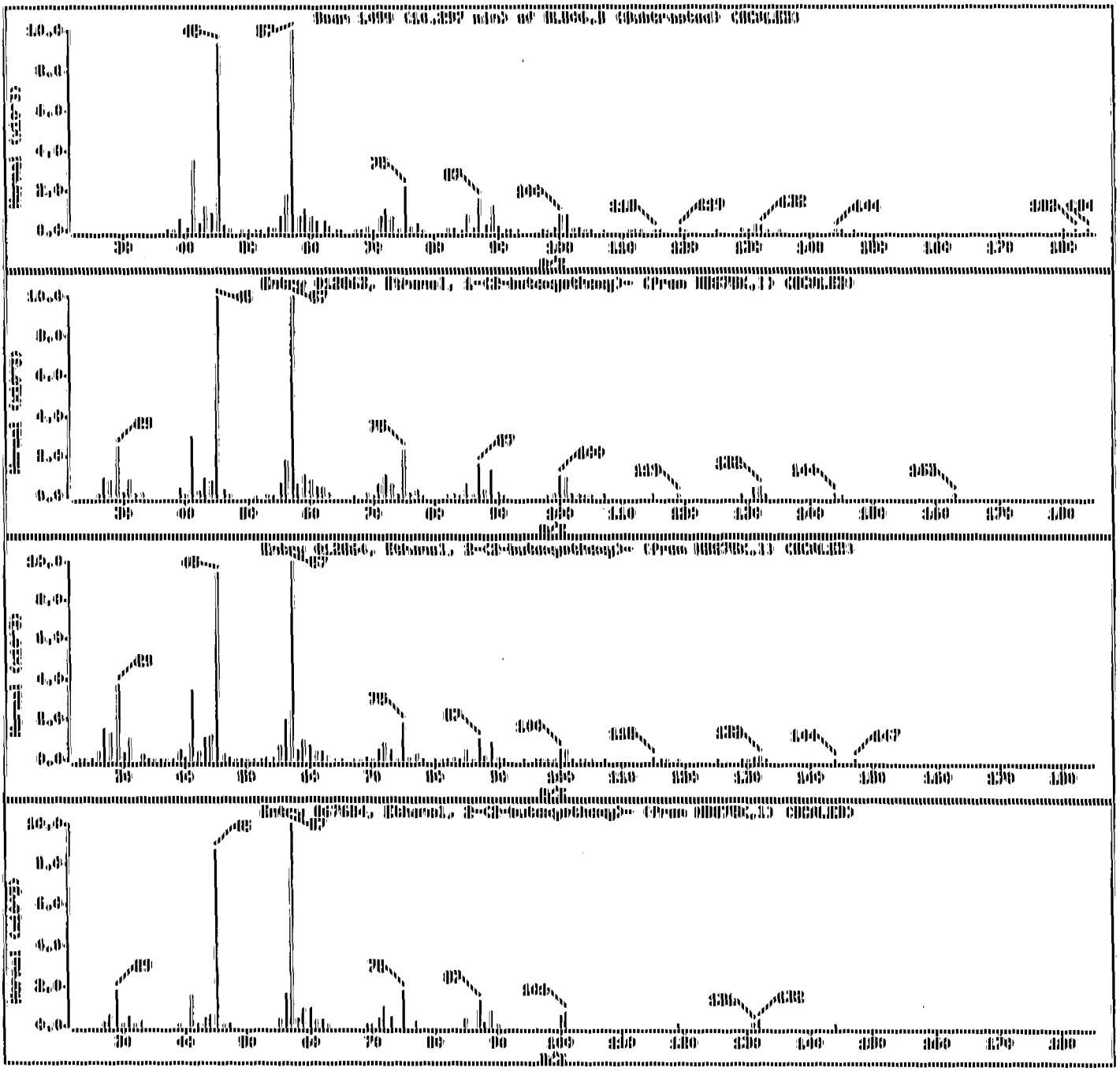
Volume Injected (uL): 2.0

Operator: 001870

Column phase:

Column diameter: 2.00

Library Search Compound Match Unknown	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 1-(2-butoxyethoxy)-	8044-78-8	KB87UK.1	12063	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-8	KB87UK.1	12064	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-8	KB87UK.1	67684	83	C8H18O3	162



Data File: [illegible] Page 20

Date : 30-SEP-2000 [illegible]

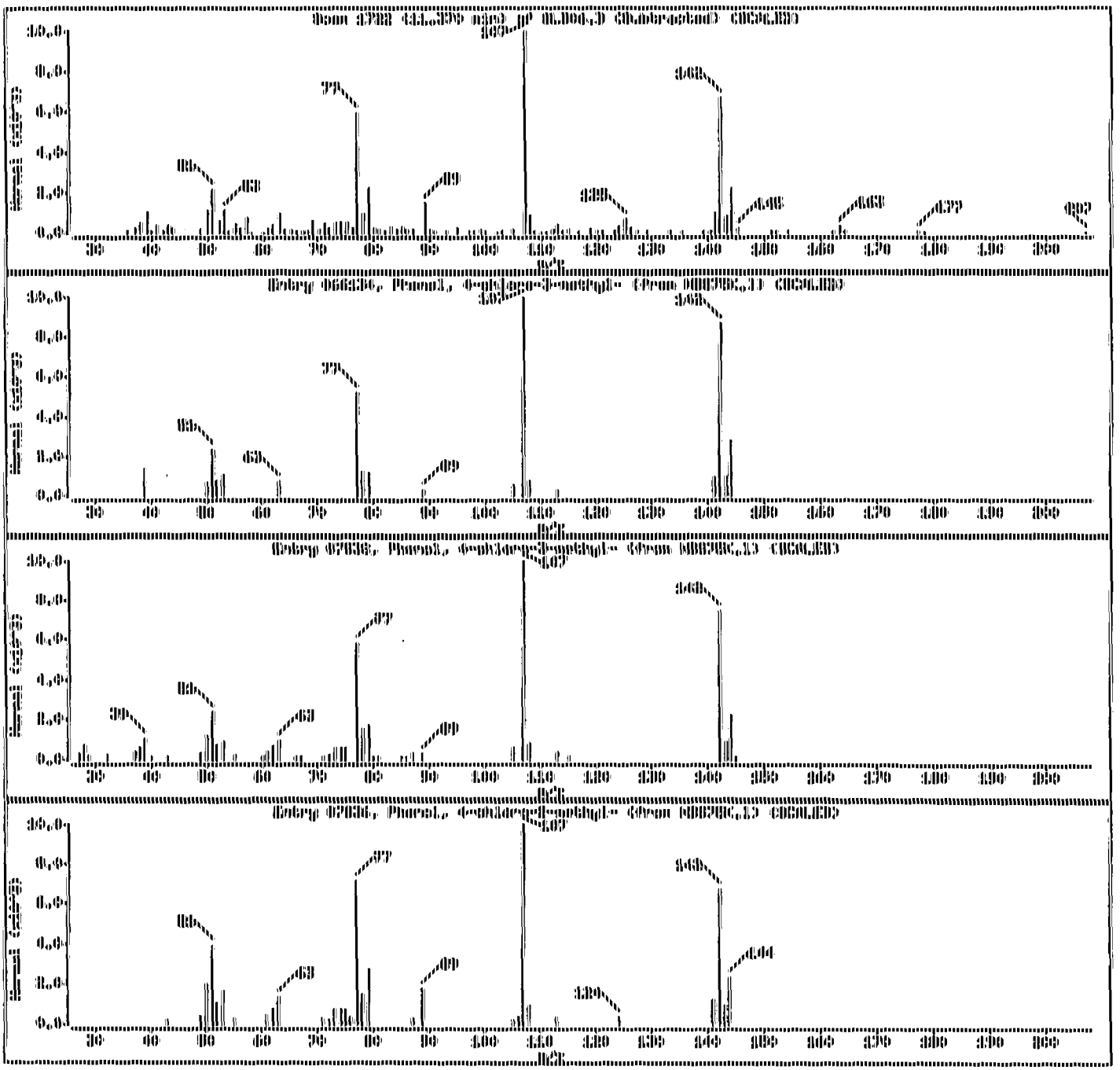
Client ID: [illegible] Instrument: [illegible]

Sample Info: [illegible]

Volume Injected (uL): 2.0 Operator: [illegible]

Column phase: Column diameter: [illegible]

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown chloro-methyl-phenol isomer						
Phenol, 4-chloro-3-methyl-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Phenol, 4-chloro-3-methyl-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Phenol, 4-chloro-2-methyl-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Data File: [illegible] Page [illegible]

Date : [illegible]

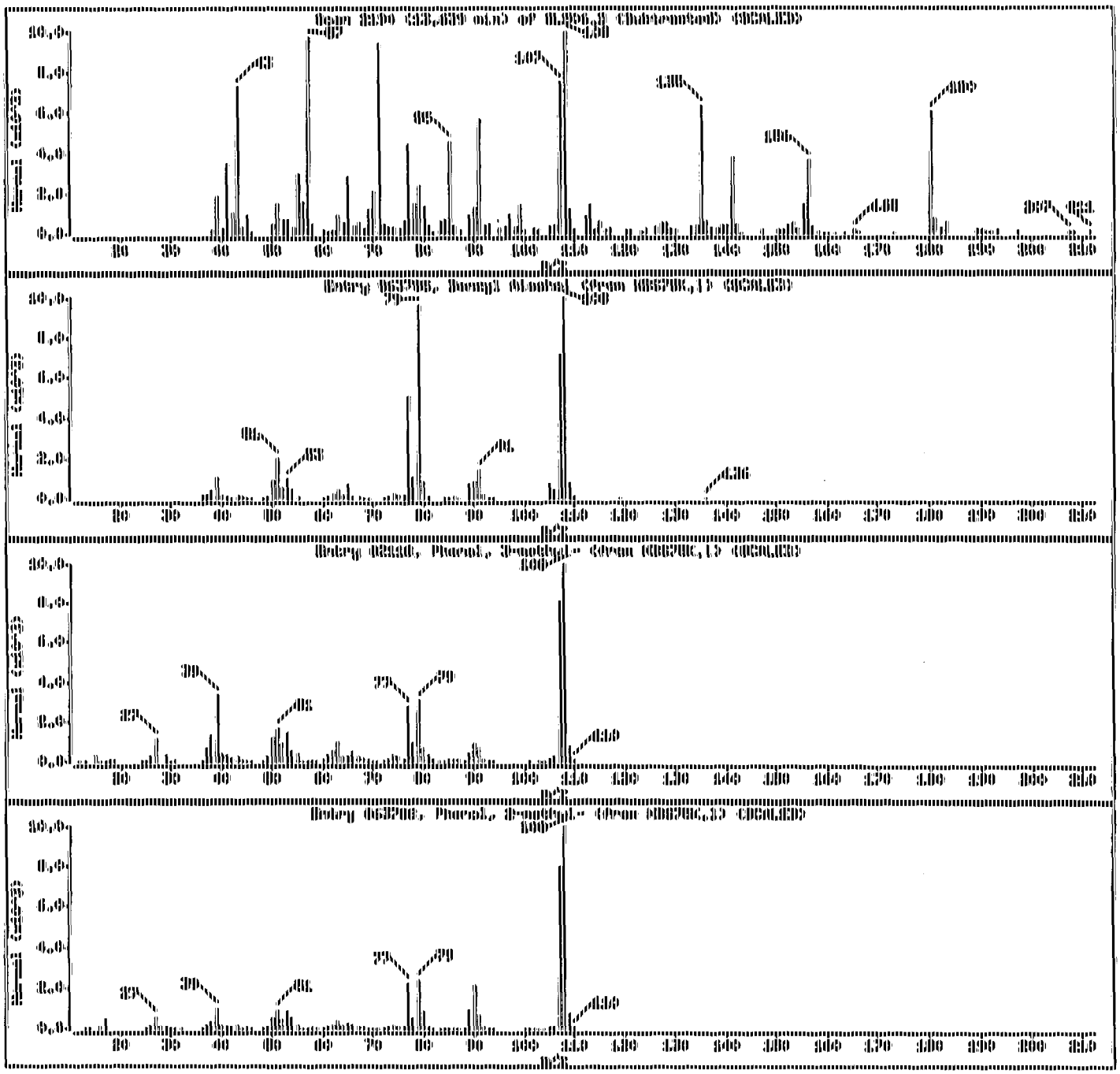
Client ID: [illegible] Instrument: [illegible]

Sample Info: [illegible]

Volume Injected (uL): [illegible] Operator: [illegible]

Column phase: Column diameter: [illegible]

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzyl Alcohol	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Phenol, 3-methyl-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Phenol, 2-methyl-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Data File: \\qsanch\GB\dd\chem\MBR\a6hp8.1\00929a.b\BL806.D

Page 26

Date : 30-SEP-2000 08:13

Client ID: BL95-6"

Instrument: a6hp8.1

Sample Info: djrn4164.00929a.b.clp31.1-clp90.sub

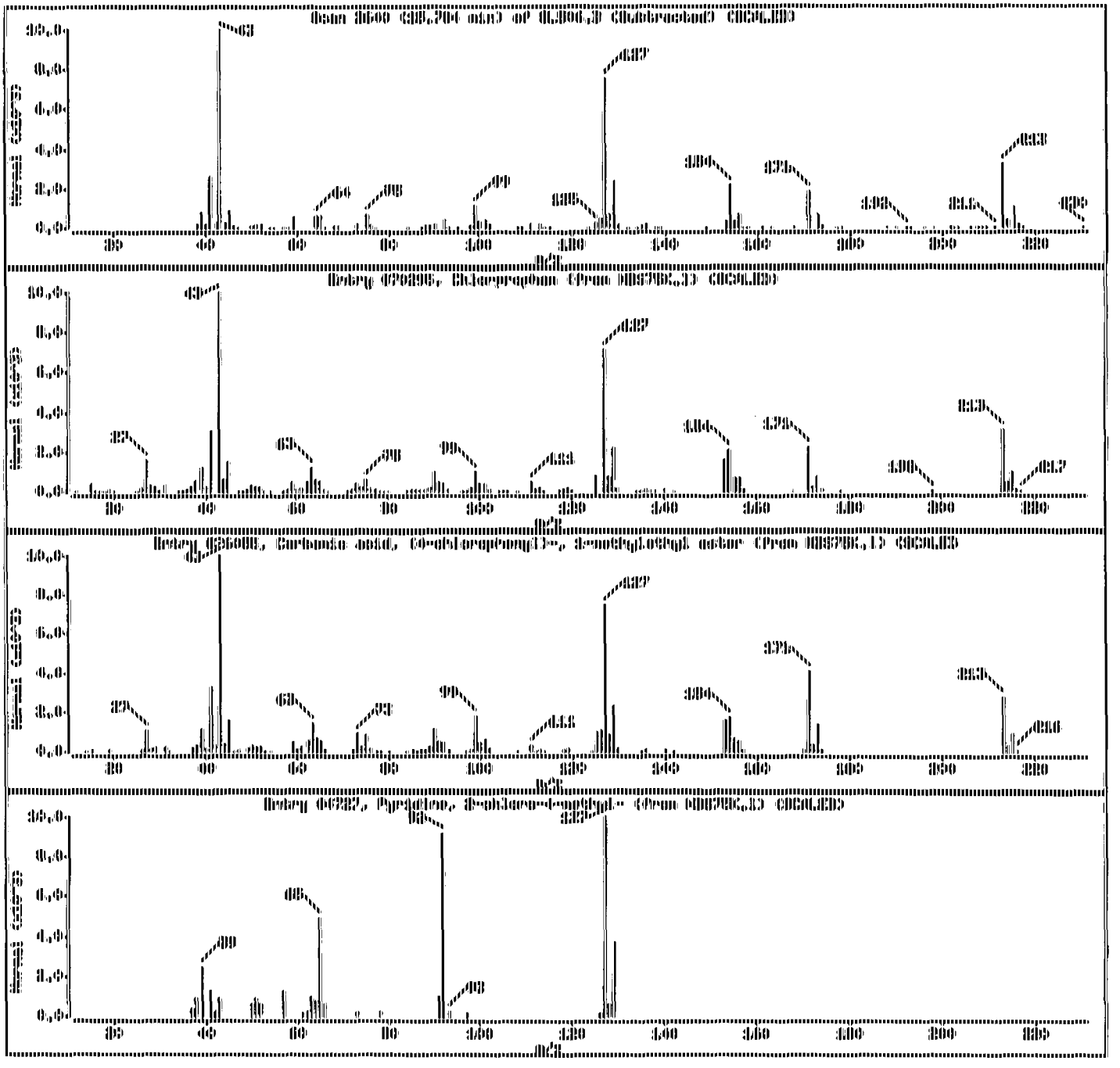
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlorophan	101-21-3	MBS78K.1	70296	84	C10H12ClNO2	213
Carbamic acid, (4-chlorophenyl)-, 1-meth	2239-92-1	MBS78K.1	26088	86	C10H12ClNO2	213
Pyridine, 2-chloro-4-methyl-	3678-62-4	MBS78K.1	4727	46	C6H6ClN	127



Data File: [illegible]

Date : [illegible]

Client ID: [illegible]

Instrument: [illegible]

Sample Info: [illegible]

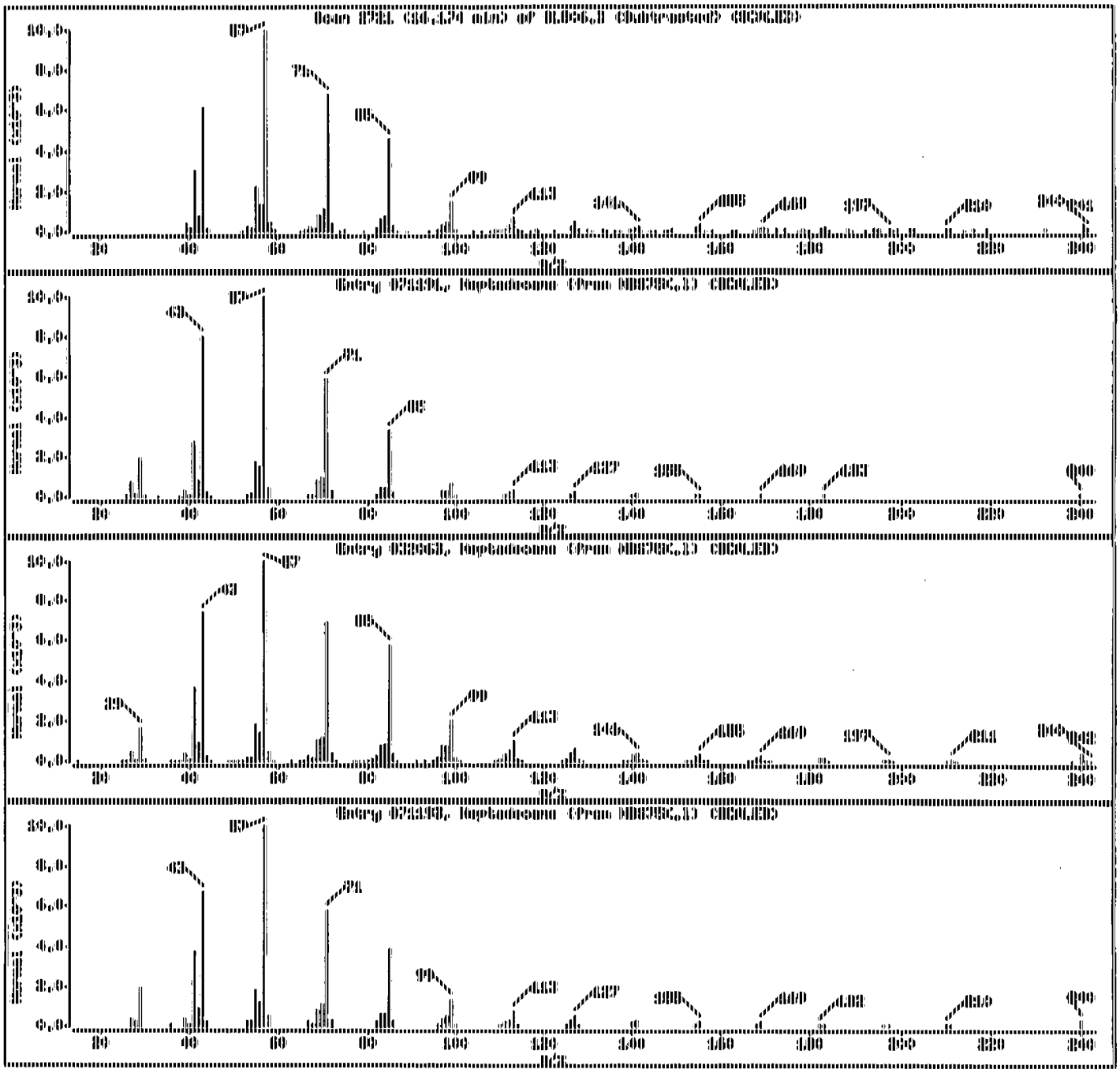
Volume Injected [illegible]

Operator: [illegible]

Column phase:

Column diameter: [illegible]

Library Source Compound Name	CAS Number	Library	Entry	Quality	Formula	Weight
Aromatic Hydrocarbon						
Heptadecane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Heptadecane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Heptadecane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Data File: [illegible] Page 26

Date : 30-SEP-2000 02:13

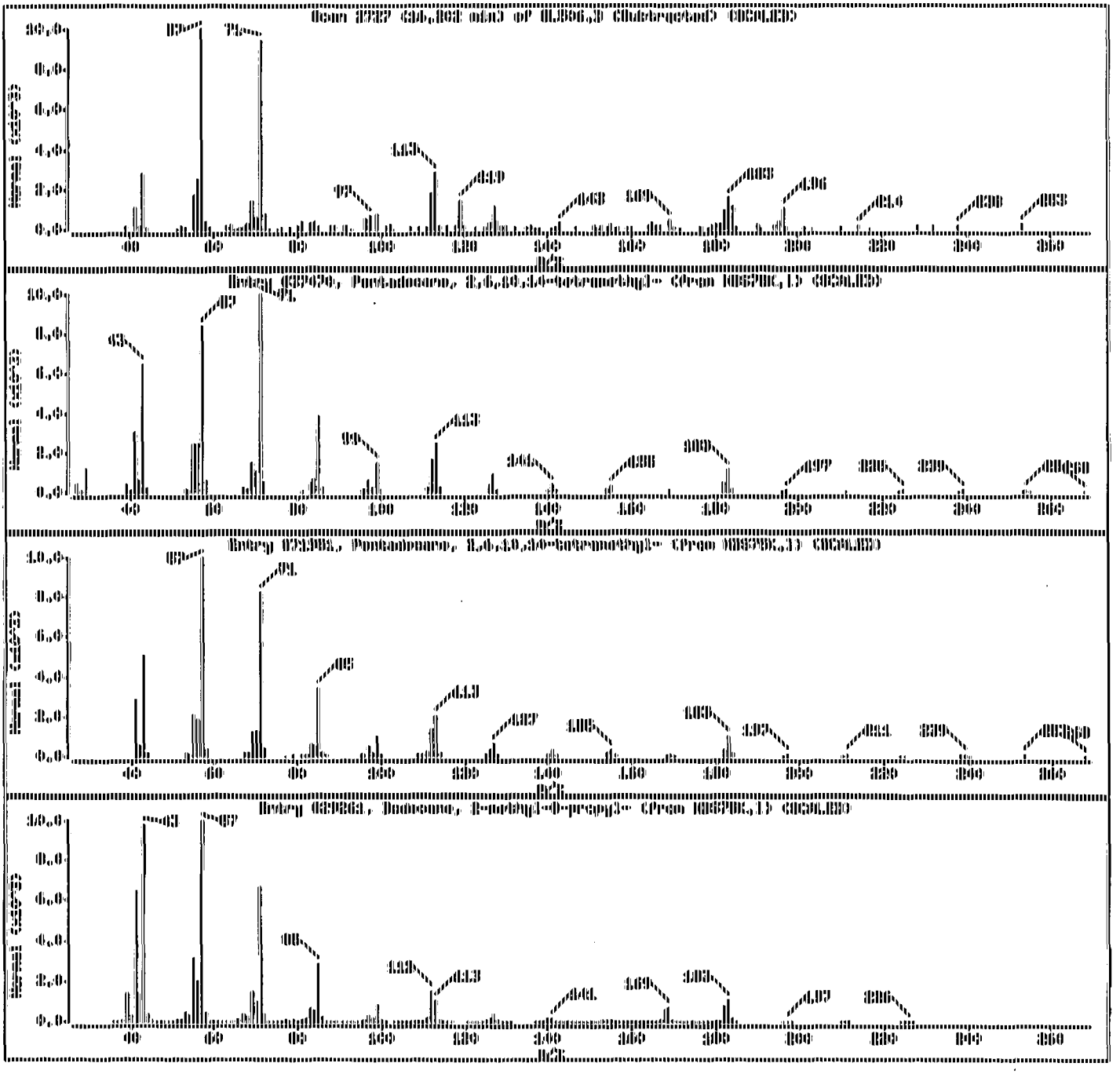
Client ID: [illegible] Instrument: [illegible]

Sample Info: [illegible]

Volume Injected (uL): 2.0 Operator: [illegible]

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	[illegible]	37070	86	[illegible]	260
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	[illegible]	71081	85	[illegible]	260
Dodecane, 2-methyl-6-propyl-	[illegible]	[illegible]	29261	85	[illegible]	226



Data File: [illegible] Page 29

Date : 30-SEP-2000 [illegible]

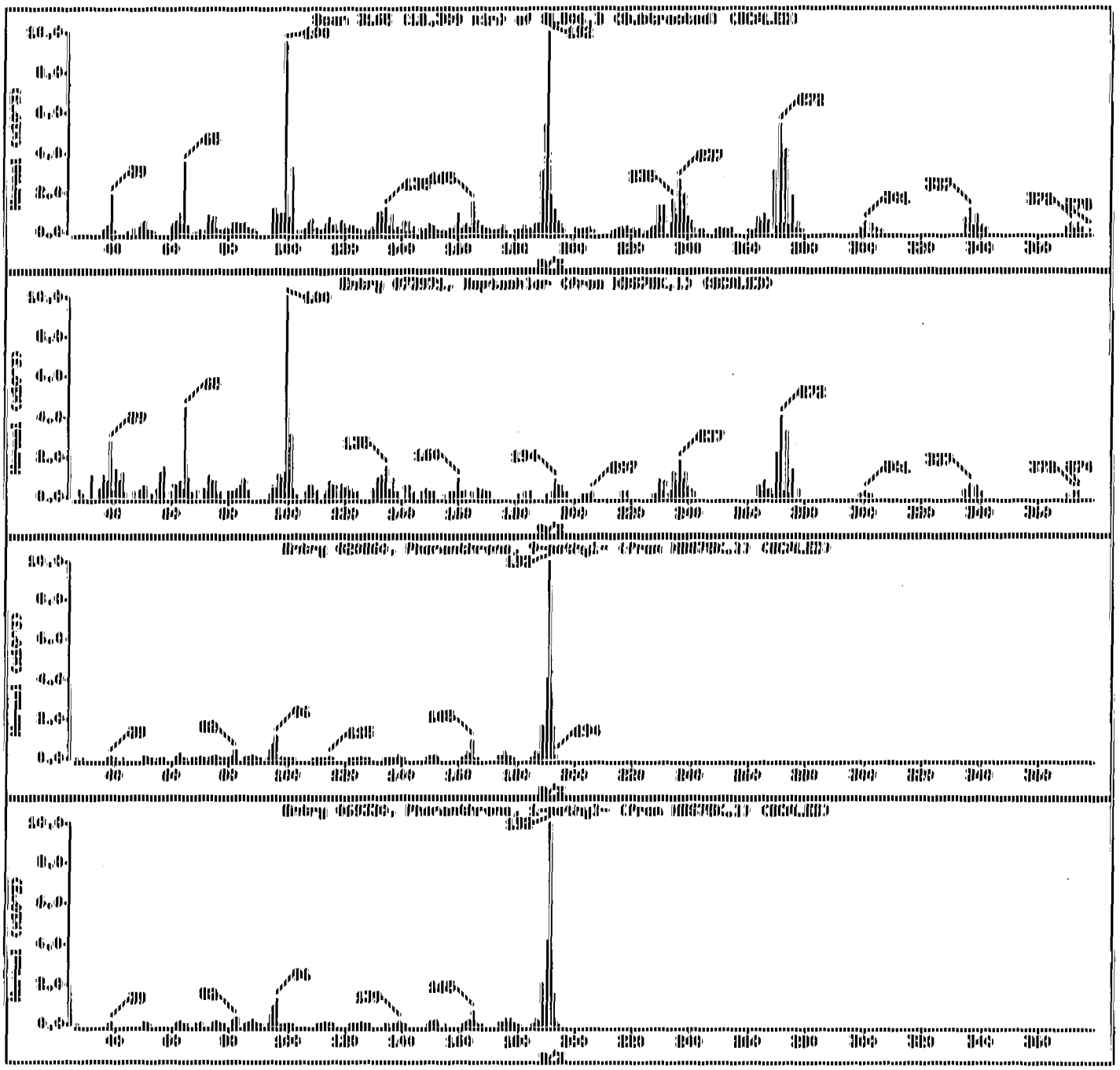
Client ID: [illegible] Instrument: [illegible]

Sample Info: [illegible]

Volume Injected (uL): 2.0 Operator: [illegible]

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptachlor	76-44-8	[illegible]	[illegible]	94	[illegible]	[illegible]
Phenanthrene, 9-methyl-	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]
Phenanthrene, 1-methyl-	[illegible]	[illegible]	[illegible]	79	[illegible]	[illegible]



Data File: \\qsanchOP\dd\chem\MSS\adhp0.i\00929a.b\BLB06.D

Page 30

Date : 30-SEP-2000 02:13

Client ID: BLB0-6'

Instrument: adhp0.i

Sample Info: djrnd10u.00929a.b.alp81.1-alp90.sub

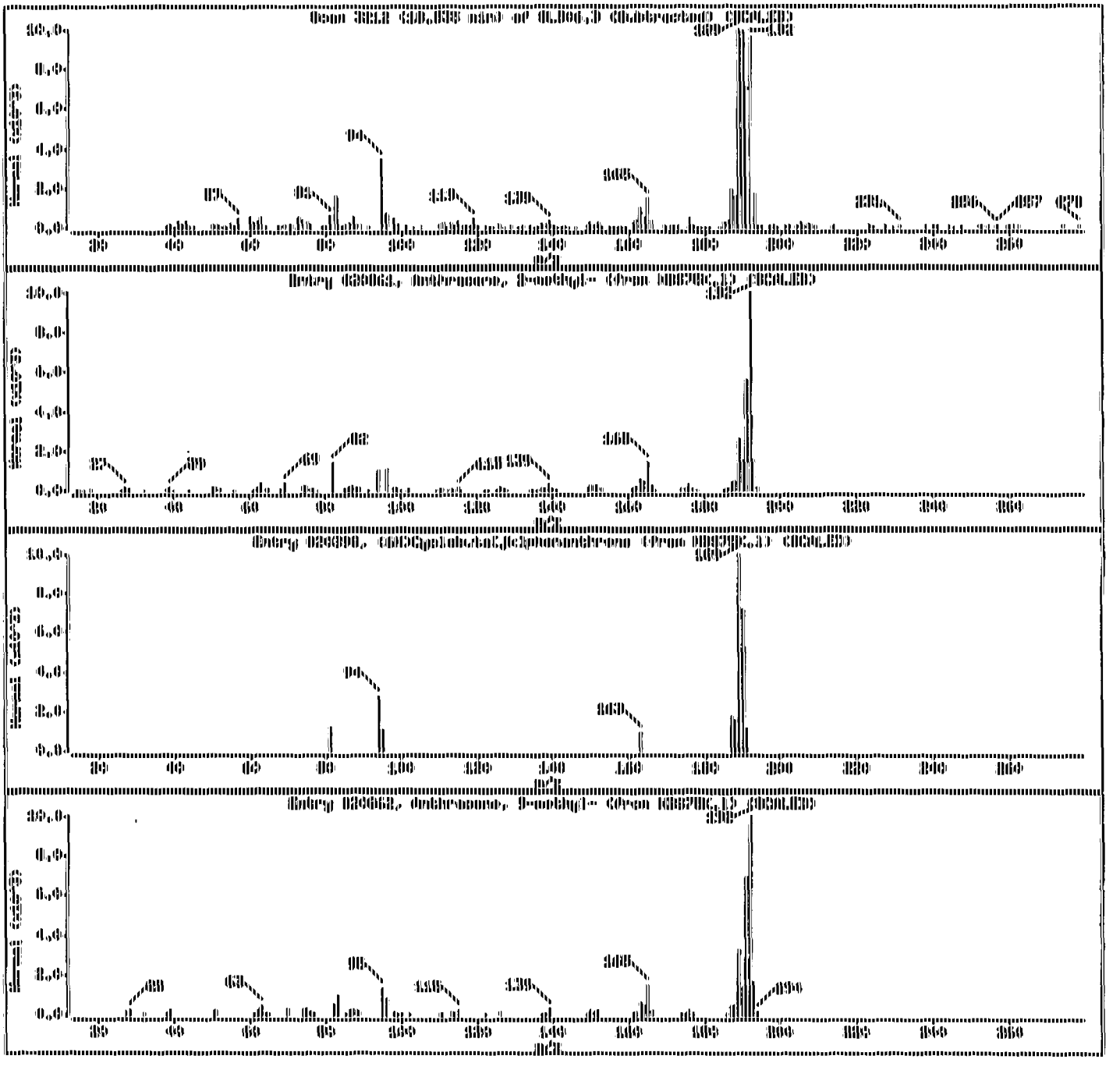
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Anthracene, 2-methyl-	613-12-7	MSSTBK.1	20061	80	C15H12	192
(6H)Cyclobutal,Jklphenanthrene	0-00-0	MSSTBK.1	20390	49	C15H10	190
Anthracene, 9-methyl-	779-02-2	MSSTBK.1	20062	46	C15H12	192



Data File: \\qcarch08\dd\chem\MSS\adhp0.1\00929a.b\BLB06.D

Page 31

Date : 30-SEP-2000 02:13

Client ID: BLB0-6*

Instrument: adhp0.1

Sample Info: djrr010a,00929a.b,clp31,1-clp99.mub

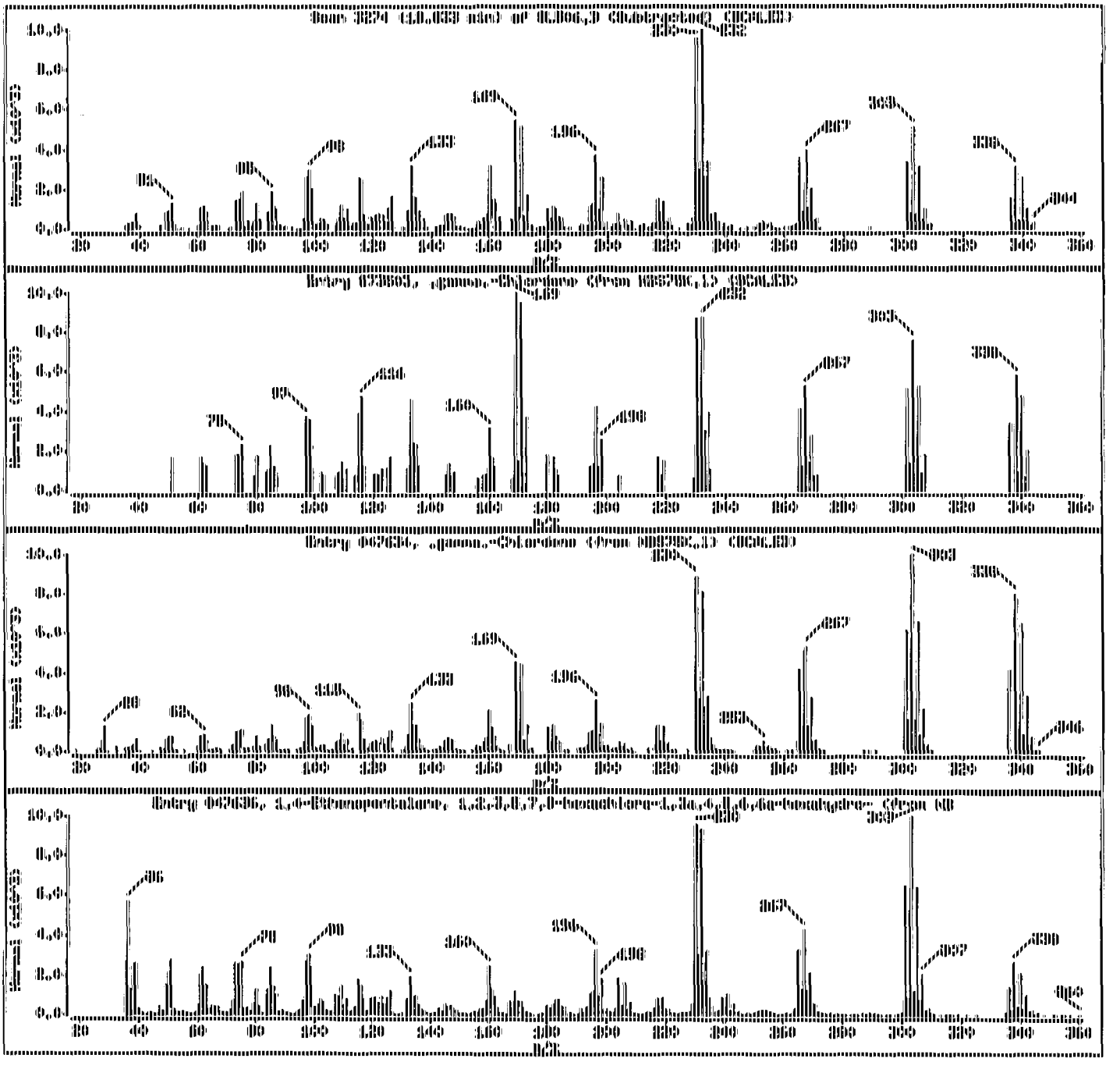
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
.gamma.-Chlordane	86601-30-4	MBSTBK.1	73803	98	C10H6Cl6	336
.gamma.-Chlordane	86601-30-4	MBSTBK.1	67634	90	C10H6Cl6	336
1,4-Ethanopentalene, 1,2,3,8,7,8-hexachl	89763-74-4	MBSTBK.1	67636	87	C10H6Cl6	336



Data File: \\qcarch05\dd\chem\MSS\a0hp8.1\00929a.b\BLB06.D

Page 32

Date : 30-SEP-2000 02:13

Client ID: BLB0-6"

Instrument: a0hp8.1

Sample Info: djrm410w,00929a.b,clp31.1-clp90.sub

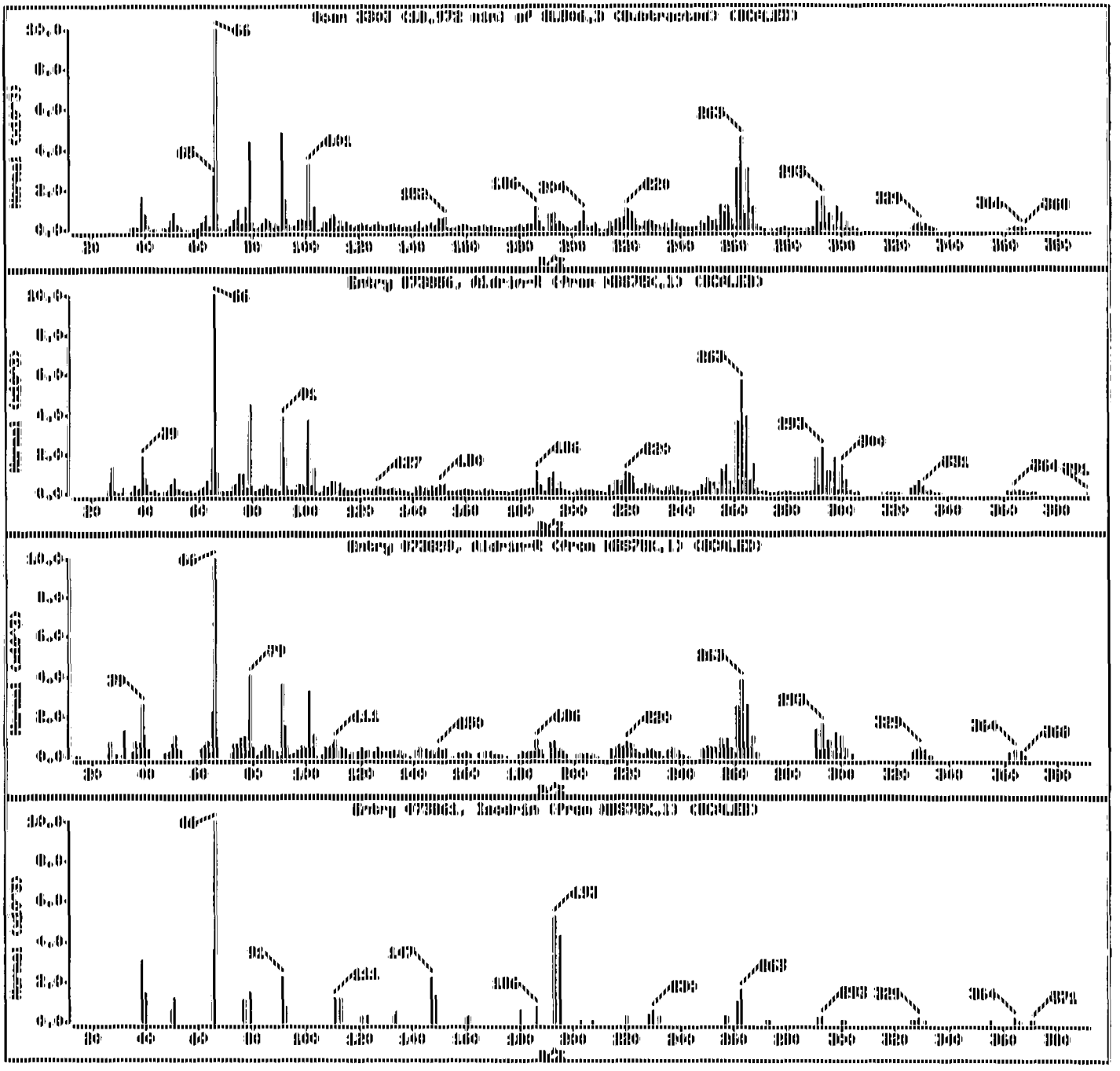
Volume Injected (uL): 2.0

Operator: 001274

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Aldrin-R	309-00-2	MDS78K.1	73086	91	C12H8Cl6	362
Aldrin-R	309-00-2	MDS78K.1	73089	83	C12H8Cl6	362
Isodrin	465-73-6	MDS78K.1	73061	86	C12H8Cl6	362



Data File: \\qcanch05\dd\chem\MSB\a0hp8.1\00929a.b\BL806.D

Page 33

Date : 30-SEP-2000 02:13

Client ID: BL806-6"

Instrument: a0hp8.1

Sample Info: djrn410u,00929a.b,clp31.1-clp90.a4b

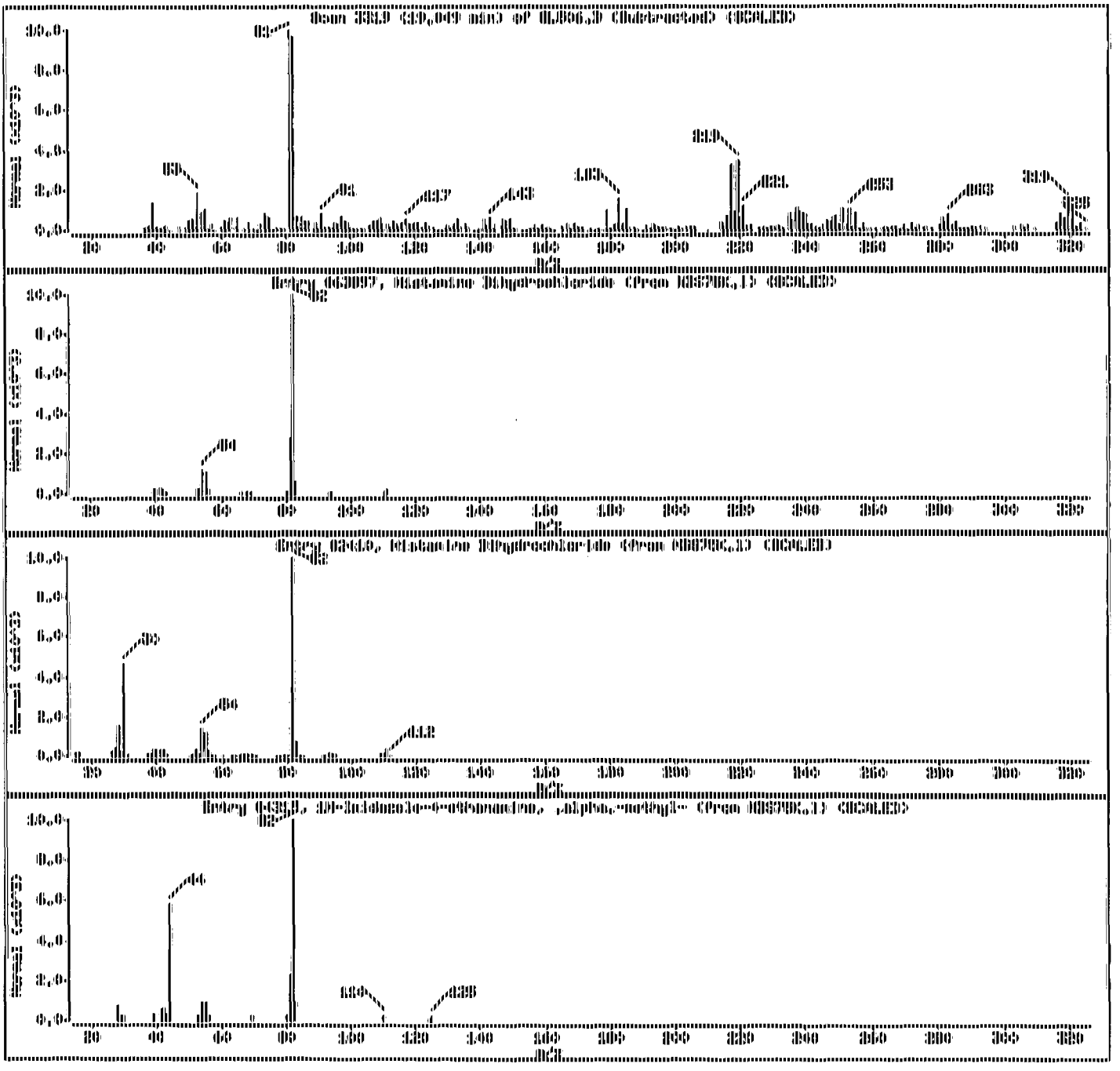
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Histamine Dihydrochloride	81-48-6	NBS75K.1	63897	22	C5H9N3	111
Histamine Dihydrochloride	81-48-6	NBS75K.1	2440	22	C5H9N3	111
1H-Imidazole-4-ethanamine, .alpha.-methy	6906-90-9	NBS75K.1	431.8	22	C6H11N3	125



Data File: \\qcanch08\dd\chem\MBS\a6hp8.1\00929a.b\BL806.D

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Date : 30-SEP-2000 02:13

Client ID: BL80-6"

Instrument: a6hp8.1

Sample Info: djrn410w,00929a,b,clp31,1-clp90,sub

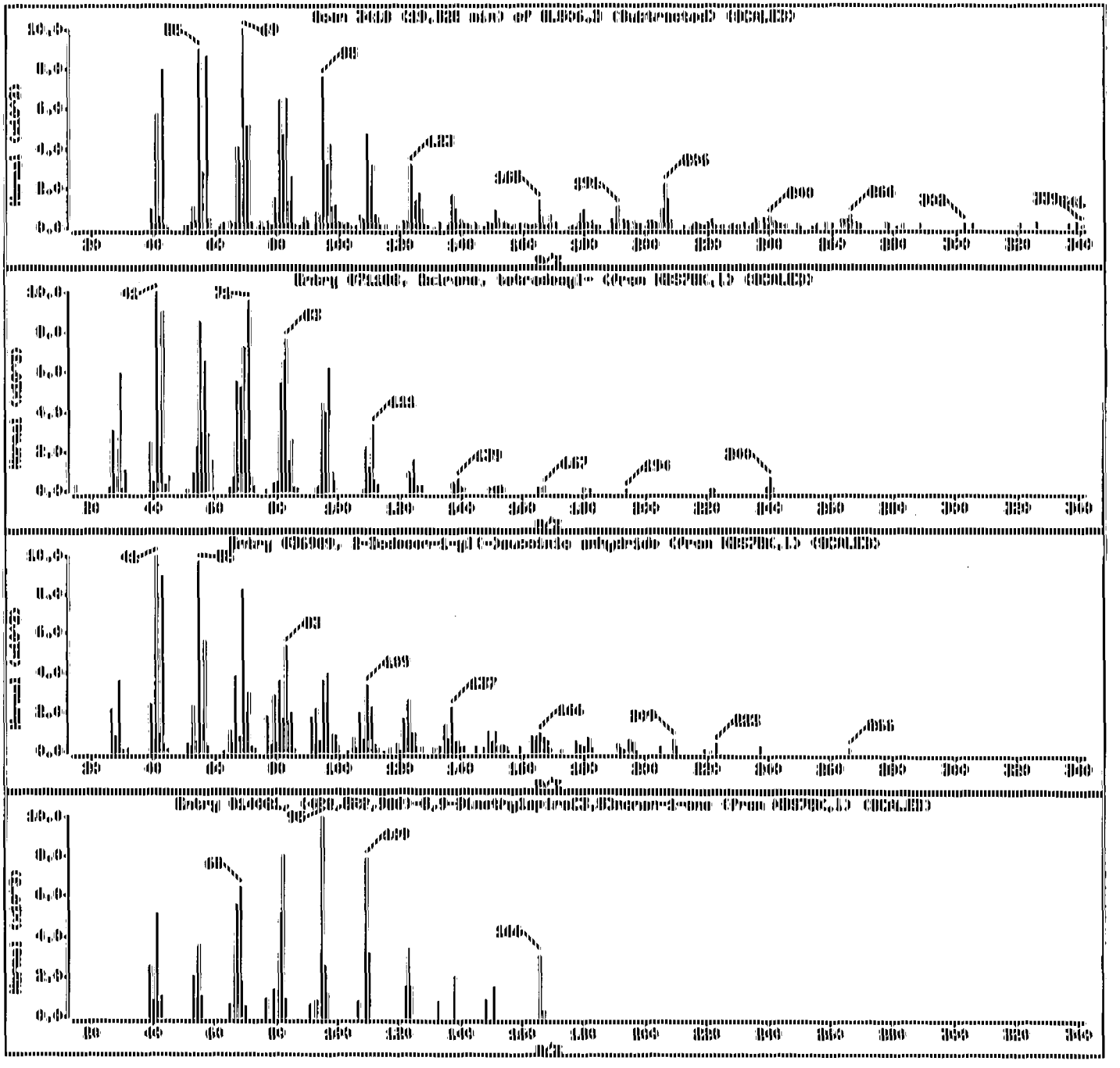
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octrone, tetradecyl-	7320-37-0	NBS78K.1	71108	91	C16H32O	240
2-Dodecen-1-yl(-)succinic anhydride	19780-11-1	NBS78K.1	36909	88	C16H26O3	266
(4R2,8R2,9R8)-8,9-Dimethylapiro[3,8]rcan	0-00-0	NBS78K.1	14001	46	C11H18O	166



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Date : 30-SEP-2000 02:13

Client ID: SLB0-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a,b,olp31,1-olp90,sub

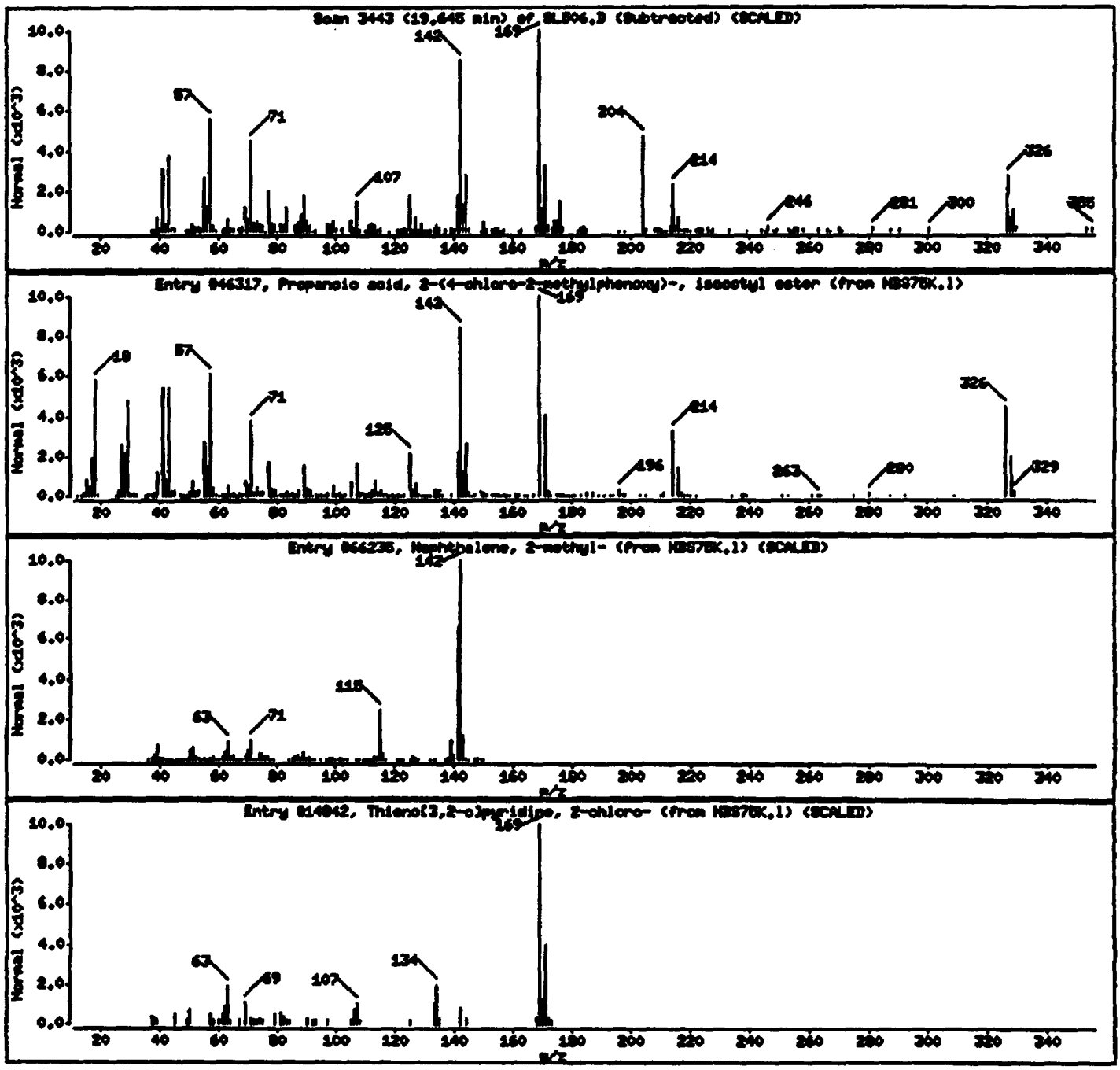
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-(4-chloro-2-methylphen	28473-03-2	NBS75K.1	46317	86	C10H27ClO3	326
Naphthalene, 2-methyl-	91-57-6	NBS75K.1	66235	22	C11H10	142
Thieno[3,2-c]pyridine, 2-chloro-	28783-23-5	NBS75K.1	14842	18	C7H4ClNS	169



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6*

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,olp31,1-olp90.sub

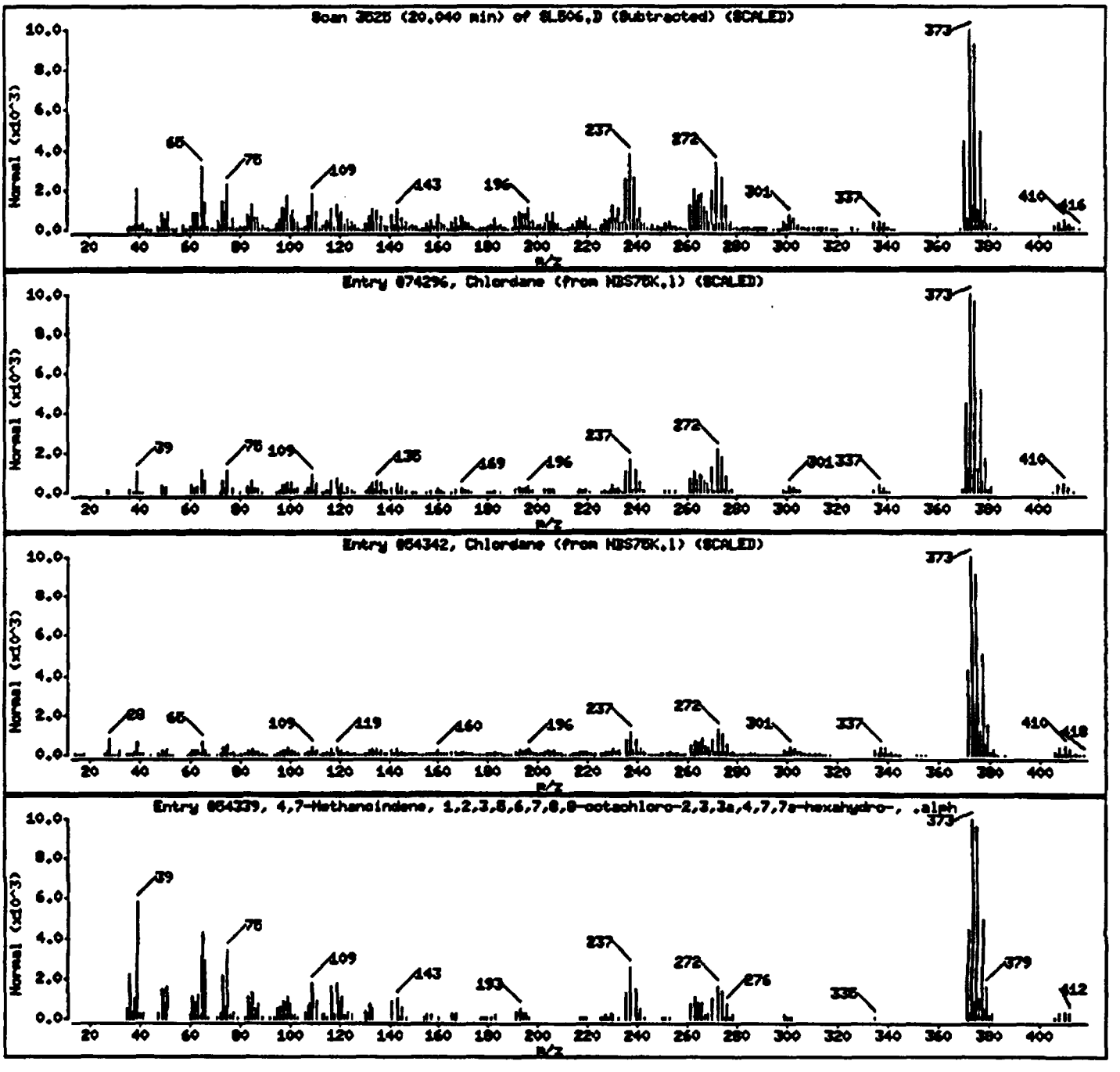
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlordane	57-74-9	NBS75K.l	74296	98	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.l	54342	95	C10H6Cl8	406
4,7-Methanoindene, 1,2,3,5,6,7,8,8-octac	0-00-0	NBS75K.l	54339	93	C10H6Cl8	406



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,clp31,i-clp90.sub

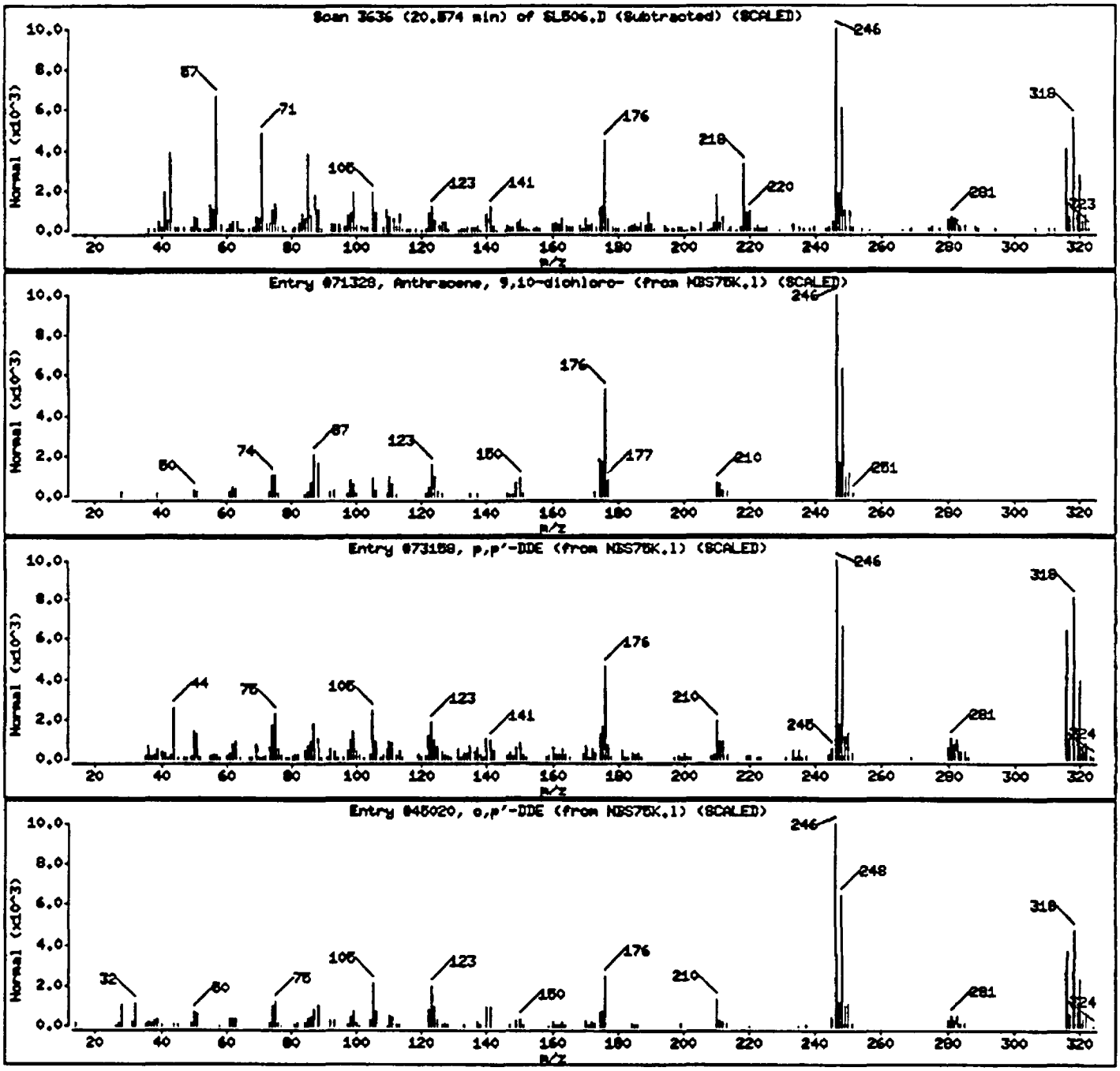
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
Anthracene, 9,10-dichloro-	605-48-1	NBS75K.l	71328	96	C14H8Cl2	246
p,p'-DDE	72-55-9	NBS75K.l	73158	91	C14H8Cl4	316
o,p'-DDE	3424-82-6	NBS75K.l	45020	90	C14H8Cl4	316



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a.b,olp31,1-olp90.sub

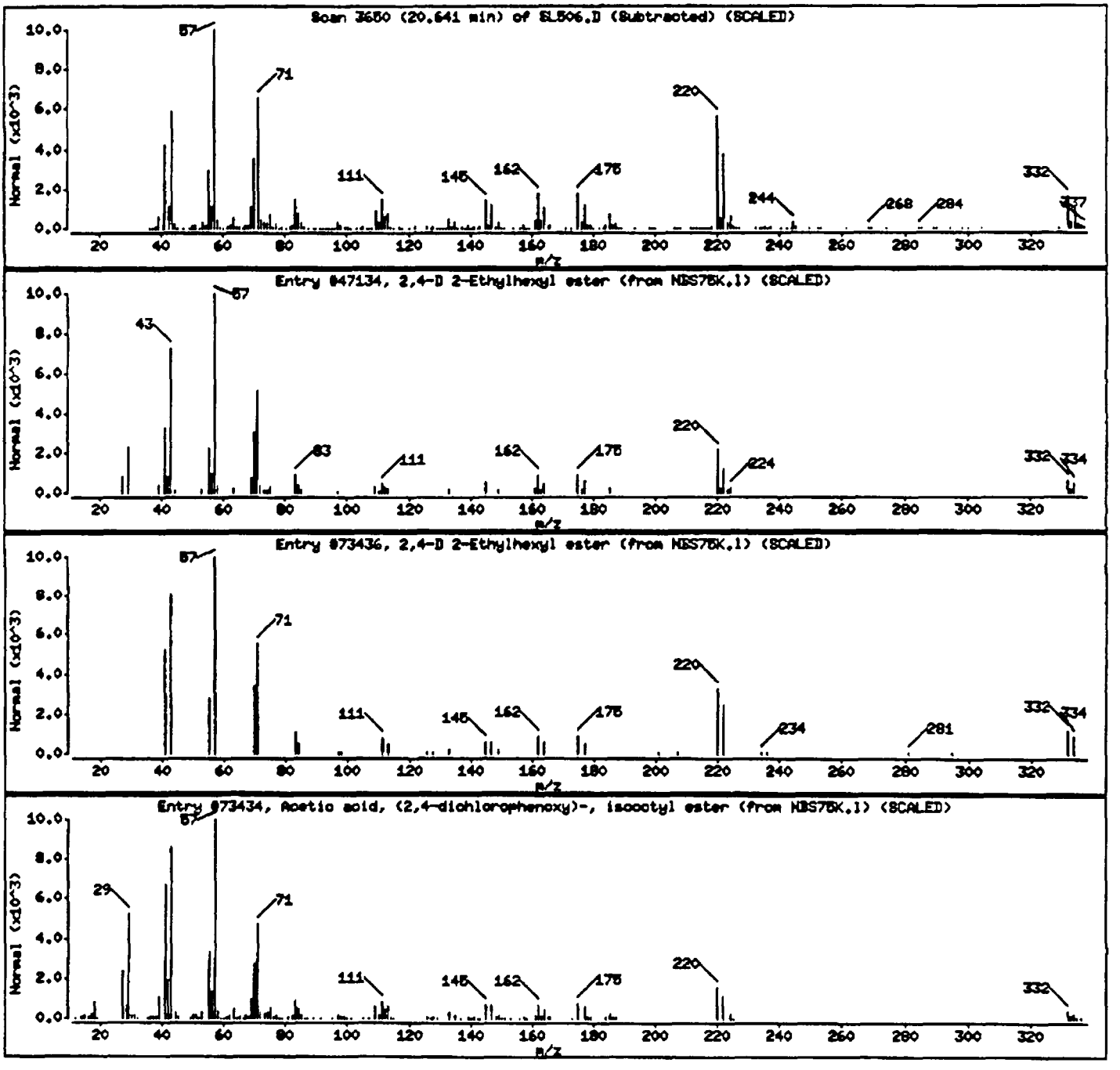
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,4-D 2-Ethylhexyl ester	1928-43-4	NBS75K.l	47134	98	C16H22Cl2O3	332
2,4-D 2-Ethylhexyl ester	1928-43-4	NBS75K.l	73436	89	C16H22Cl2O3	332
Acetic acid, (2,4-dichlorophenoxy)-, iso	25168-26-7	NBS75K.l	73434	80	C16H22Cl2O3	332



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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,olp31,1-olp90.sub

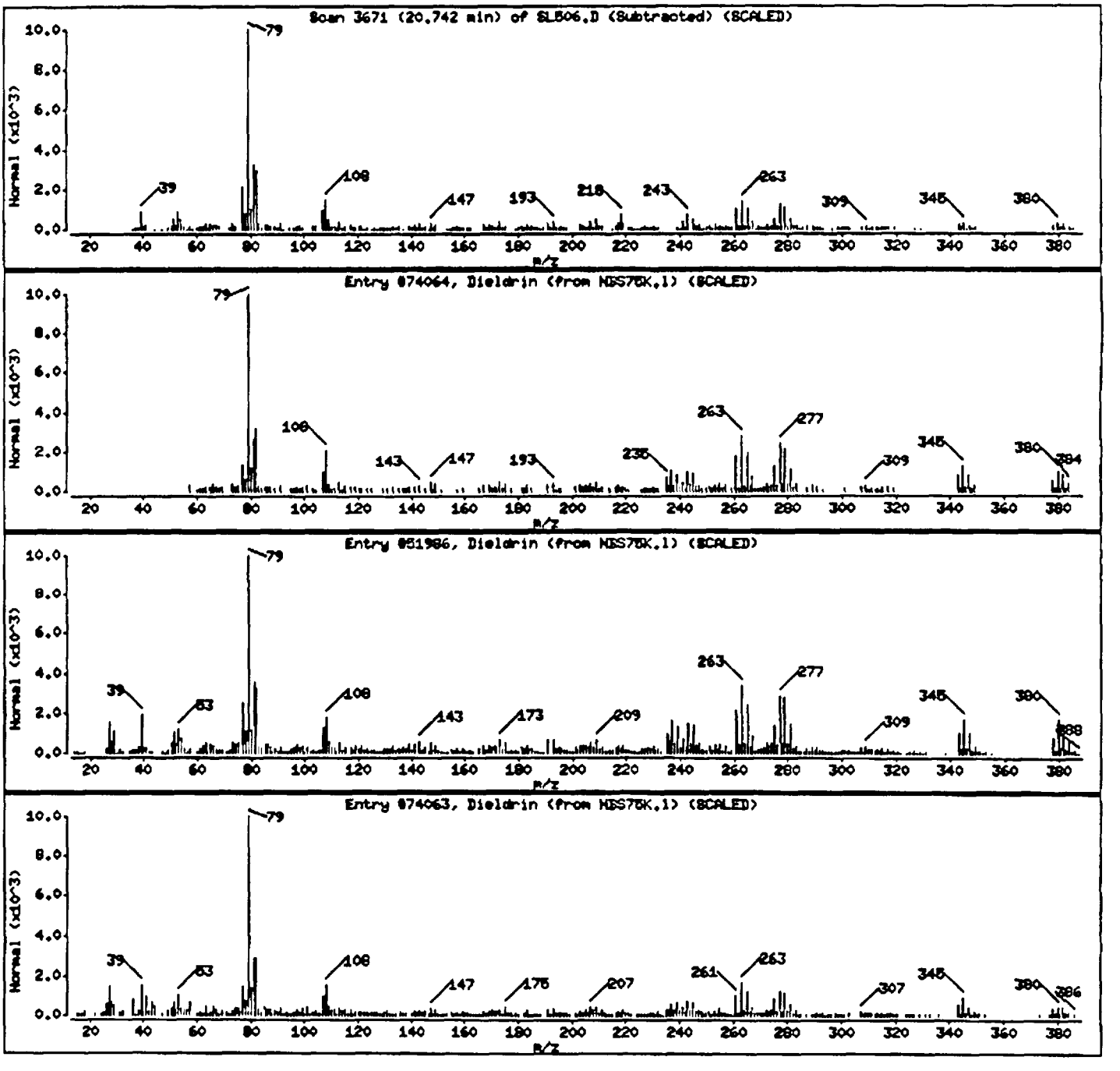
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dieldrin	60-57-1	NBS75K.1	74064	98	C12H8Cl6O	378
Dieldrin	60-57-1	NBS75K.1	81986	97	C12H8Cl6O	378
Dieldrin	60-57-1	NBS75K.1	74063	94	C12H8Cl6O	378



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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,olp31,1-olp90,sub

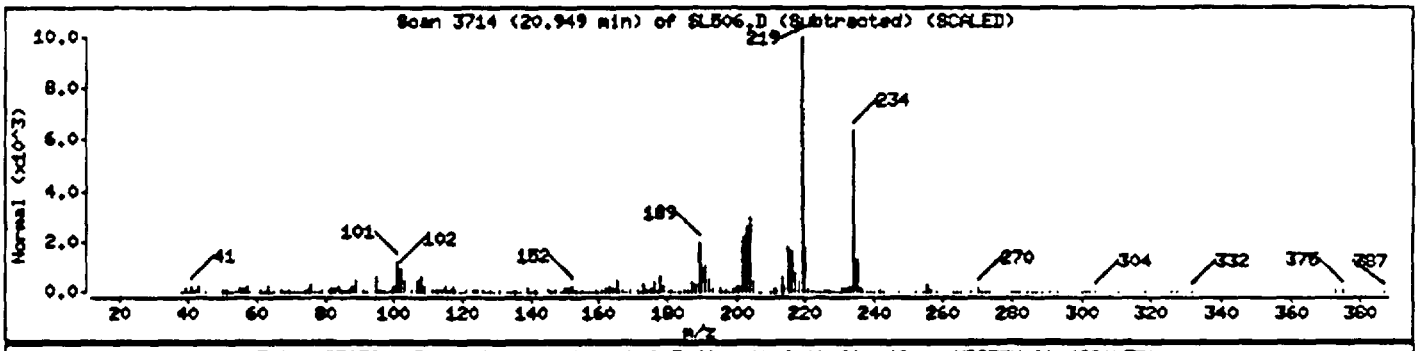
Volume Injected (uL): 2.0

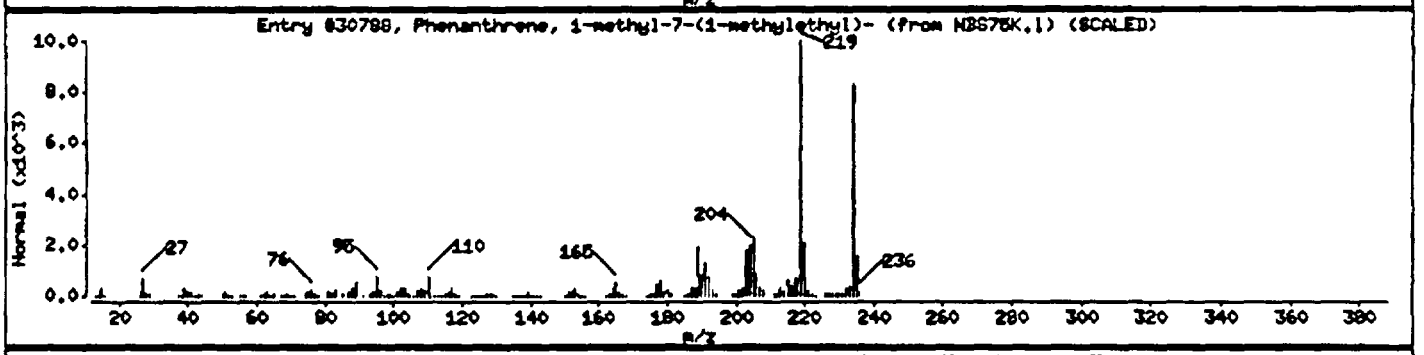
Operator: 001574

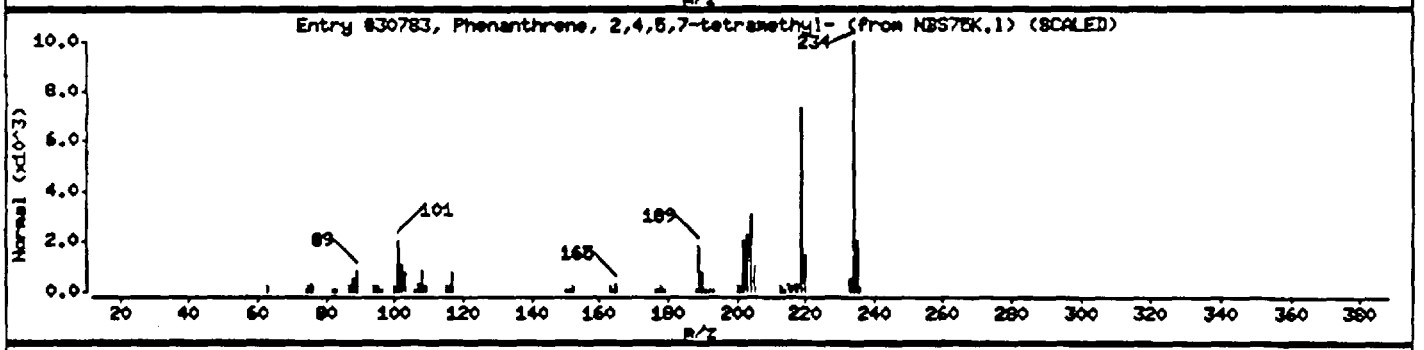
Column phase:

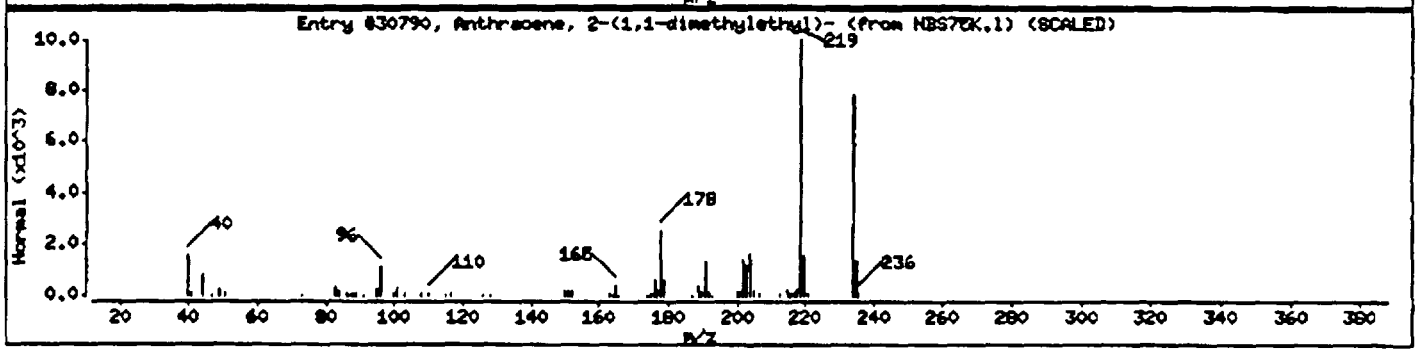
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Phenanthrene, 1-methyl-7-(1-methylethyl)	483-65-8	NBS75K.l	30788	89	C18H18	234
Phenanthrene, 2,4,5,7-tetramethyl-	7396-38-5	NBS75K.l	30783	86	C18H18	234
Anthracene, 2-(1,1-dimethylethyl)-	18801-00-8	NBS75K.l	30790	58	C18H18	234









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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a.b,olp31,1-olp90.sub

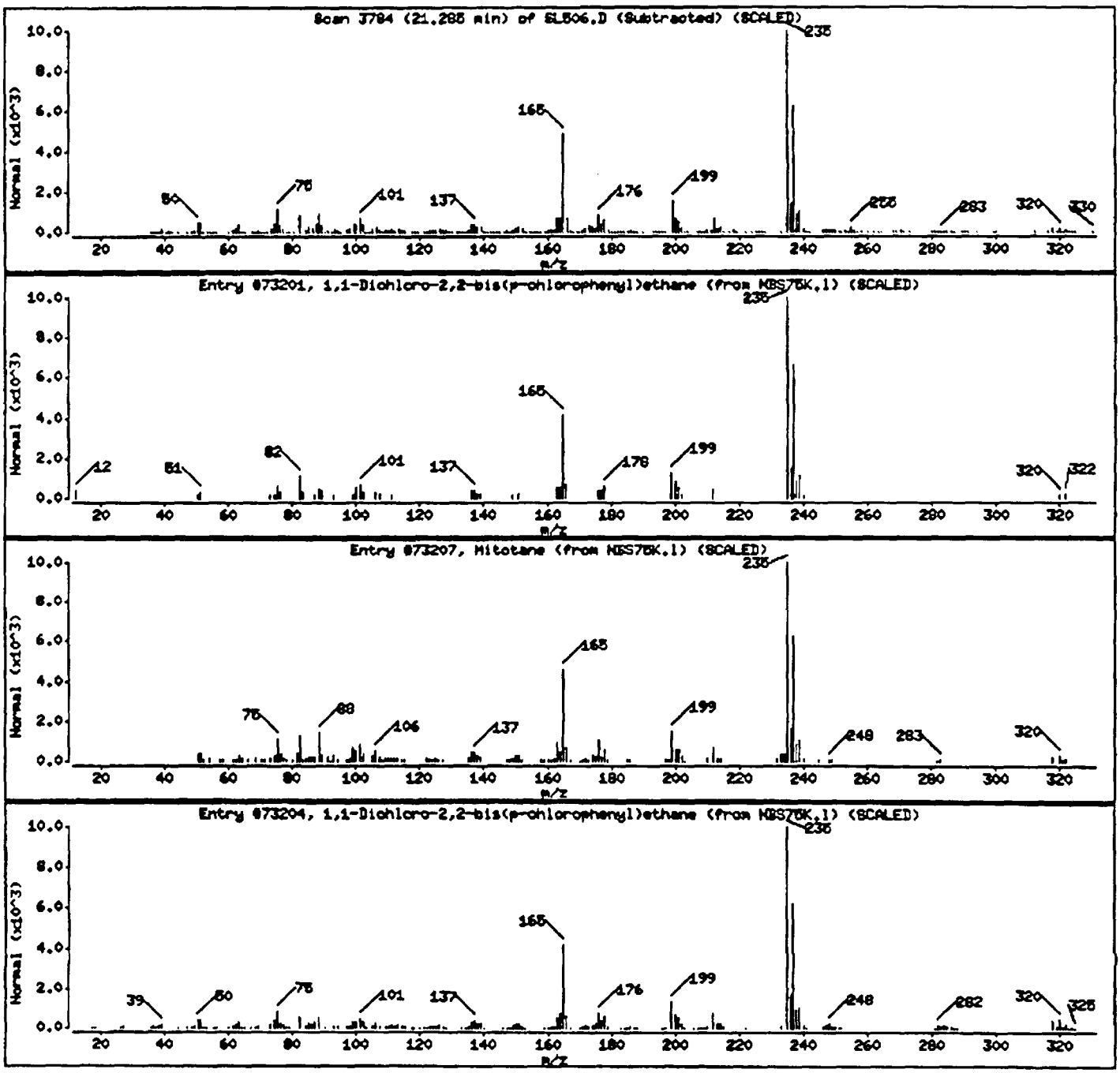
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
1,1-Dichloro-2,2-bis(p-chlorophenyl)etha	72-54-8	NBS75K.l	73201	96	C14H10Cl4	318
Mitotane	53-19-0	NBS75K.l	73207	96	C14H10Cl4	318
1,1-Dichloro-2,2-bis(p-chlorophenyl)etha	72-54-8	NBS75K.l	73204	94	C14H10Cl4	318



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,clp31,1-clp90.sub

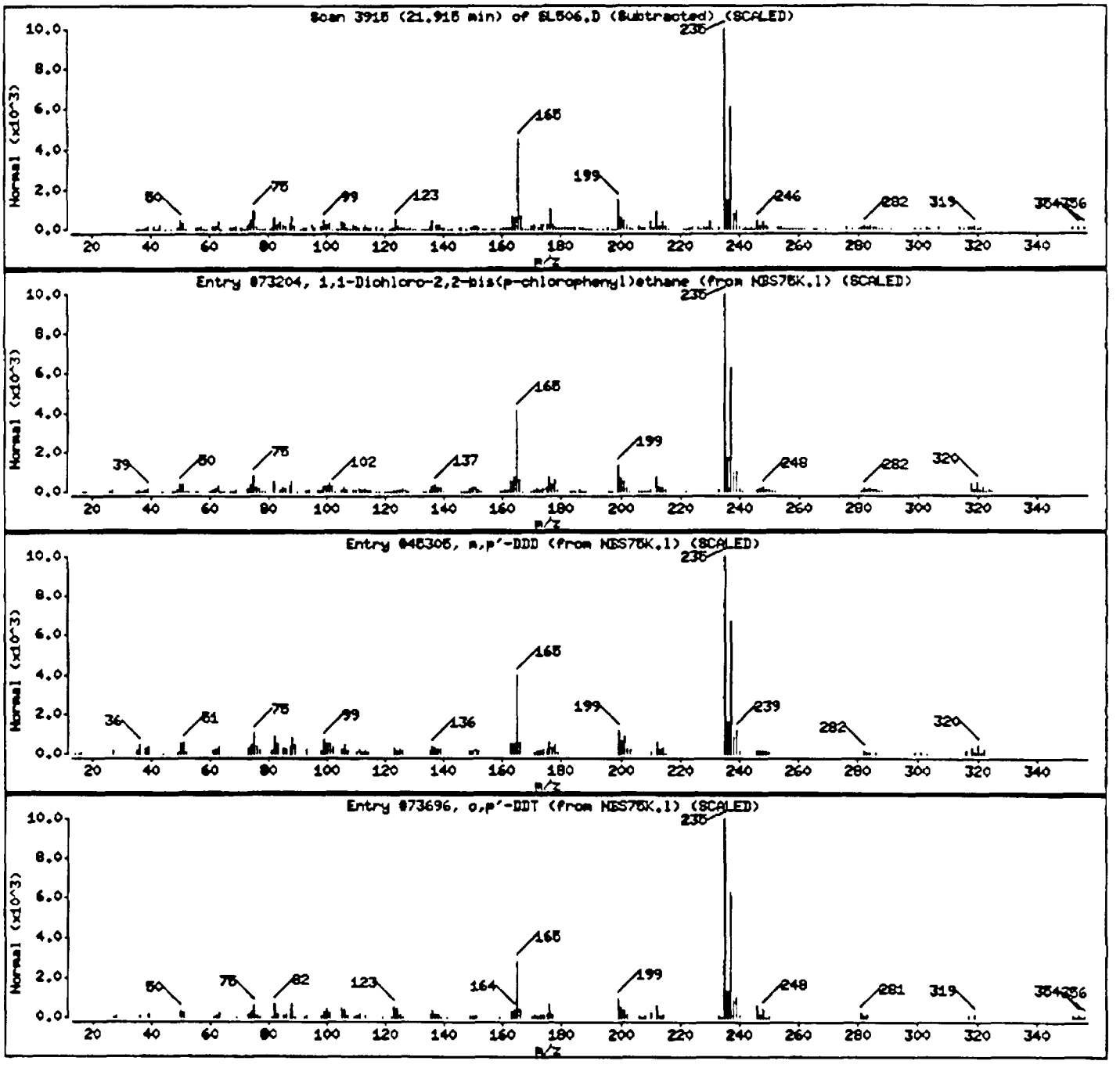
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
1,1-Dichloro-2,2-bis(p-chlorophenyl)etha	72-54-8	NBS75K.l	73204	97	C14H10Cl4	318
m,p'-DDD	4329-12-8	NBS75K.l	46306	94	C14H10Cl4	318
o,p'-DDT	789-02-6	NBS75K.l	73696	93	C14H9Cl5	352



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a,b,clp31,1-clp90,sub

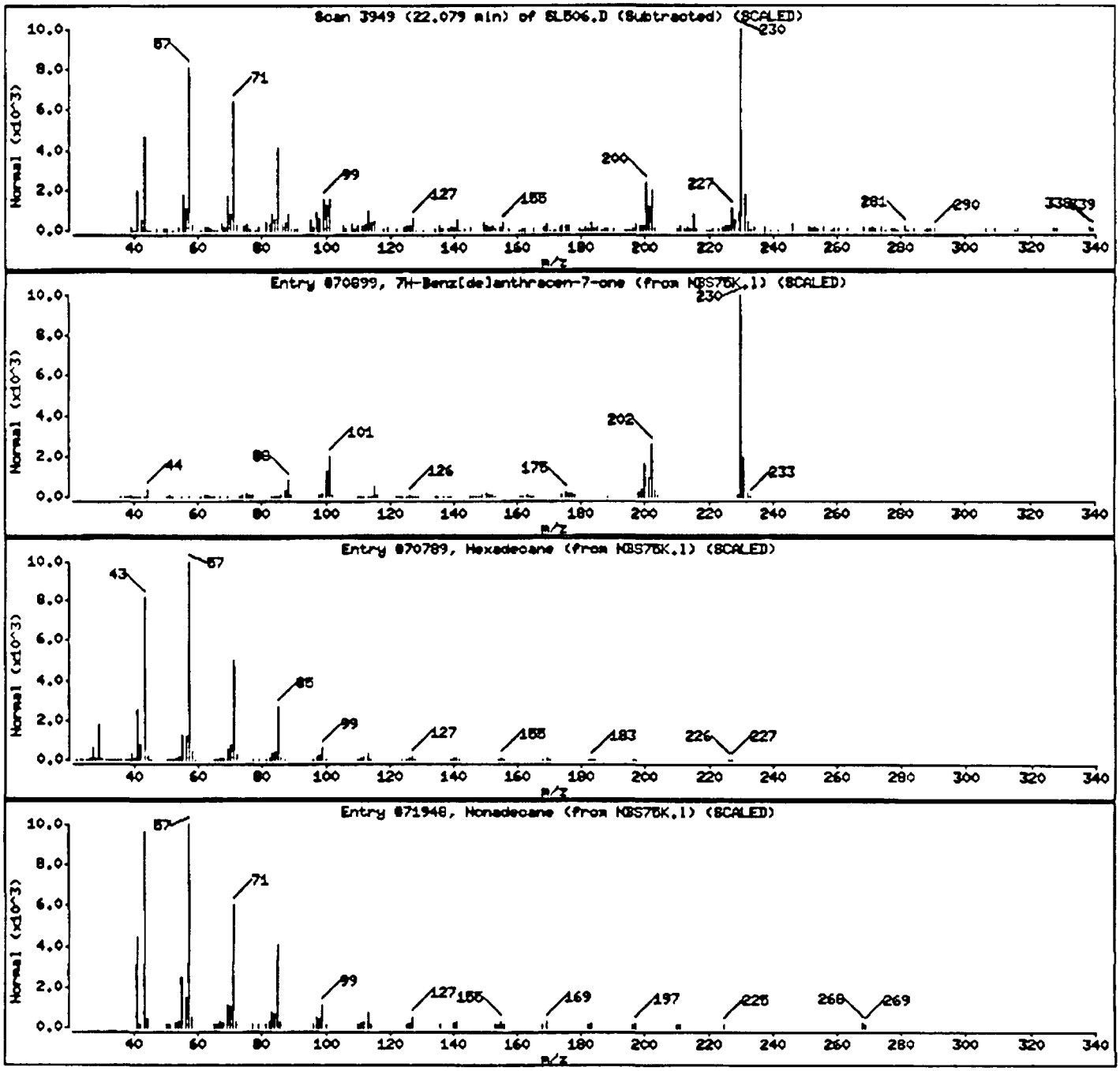
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
7H-Benz[de]anthracen-7-one	82-05-3	NBS75K.1	70899	87	C17H10O	230
Hexadecane	544-76-3	NBS75K.1	70789	62	C16H34	226
Nonadecane	629-92-5	NBS75K.1	71948	47	C19H40	268



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,olp31,1-olp90.sub

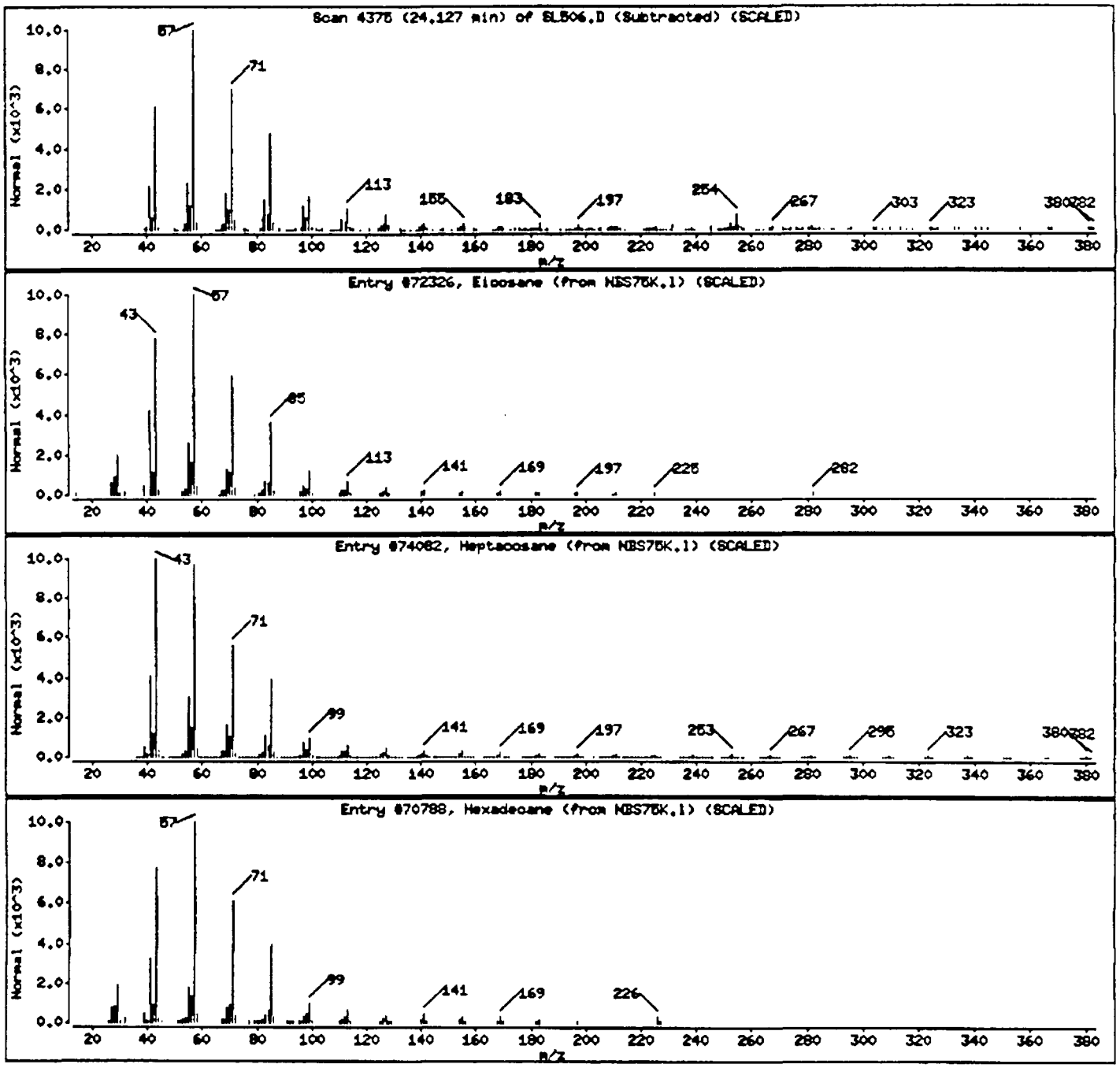
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Eicosane	112-95-8	NBS75K.1	72326	96	C20H42	282
Heptacosane	593-49-7	NBS75K.1	74082	93	C27H56	380
Hexadecane	544-76-3	NBS75K.1	70788	91	C16H34	226



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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,olp31,1-olp90.sub

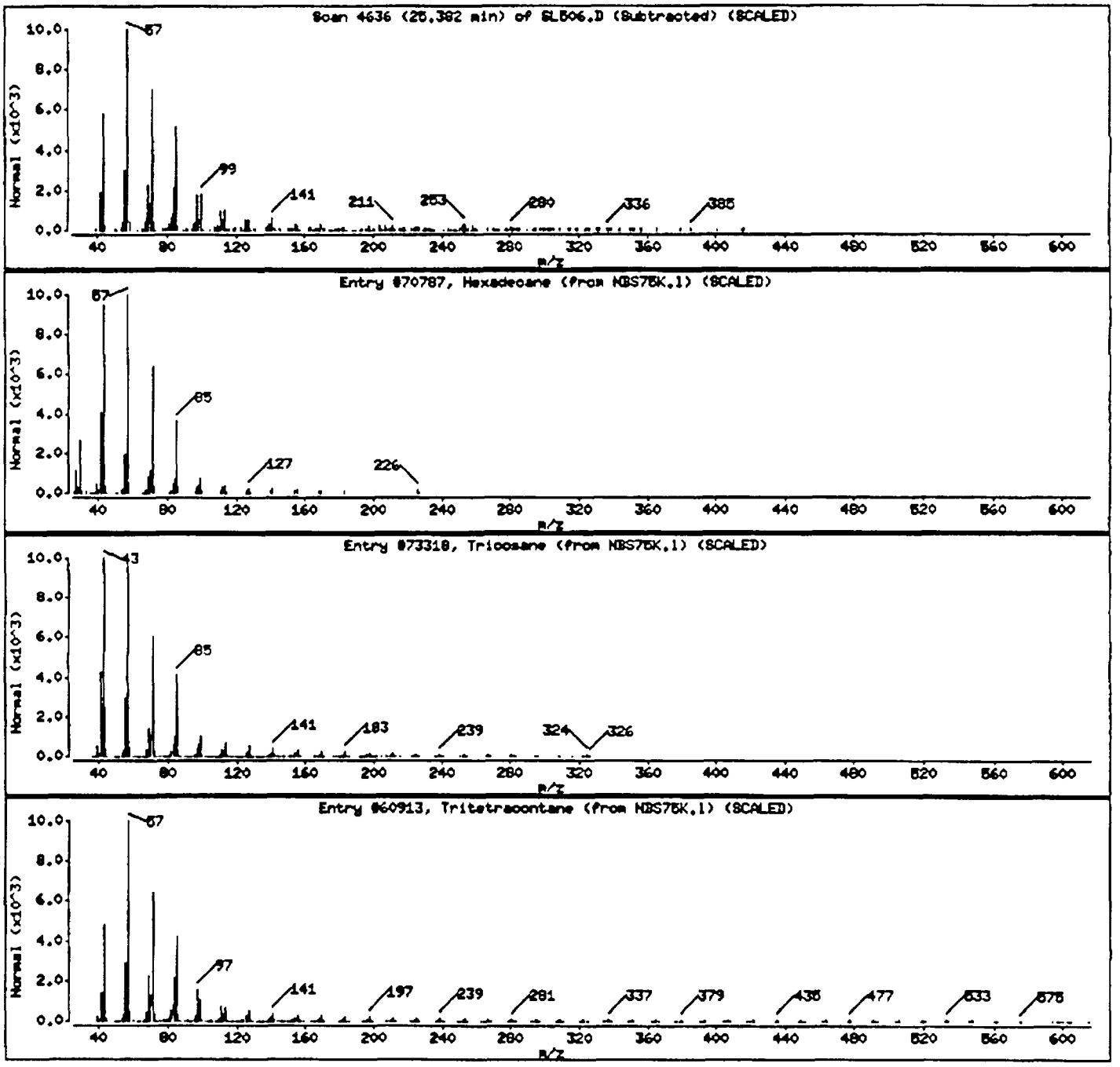
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Hexadecane	544-76-3	NBS75K.1	70787	94	C16H34	226
Tricosane	638-67-5	NBS75K.1	73318	93	C23H48	324
Tritetracontane	7098-21-7	NBS75K.1	60913	91	C43H88	606



Data File: \\epanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrn410u,00929a.b,olp31,1-olp90.sub

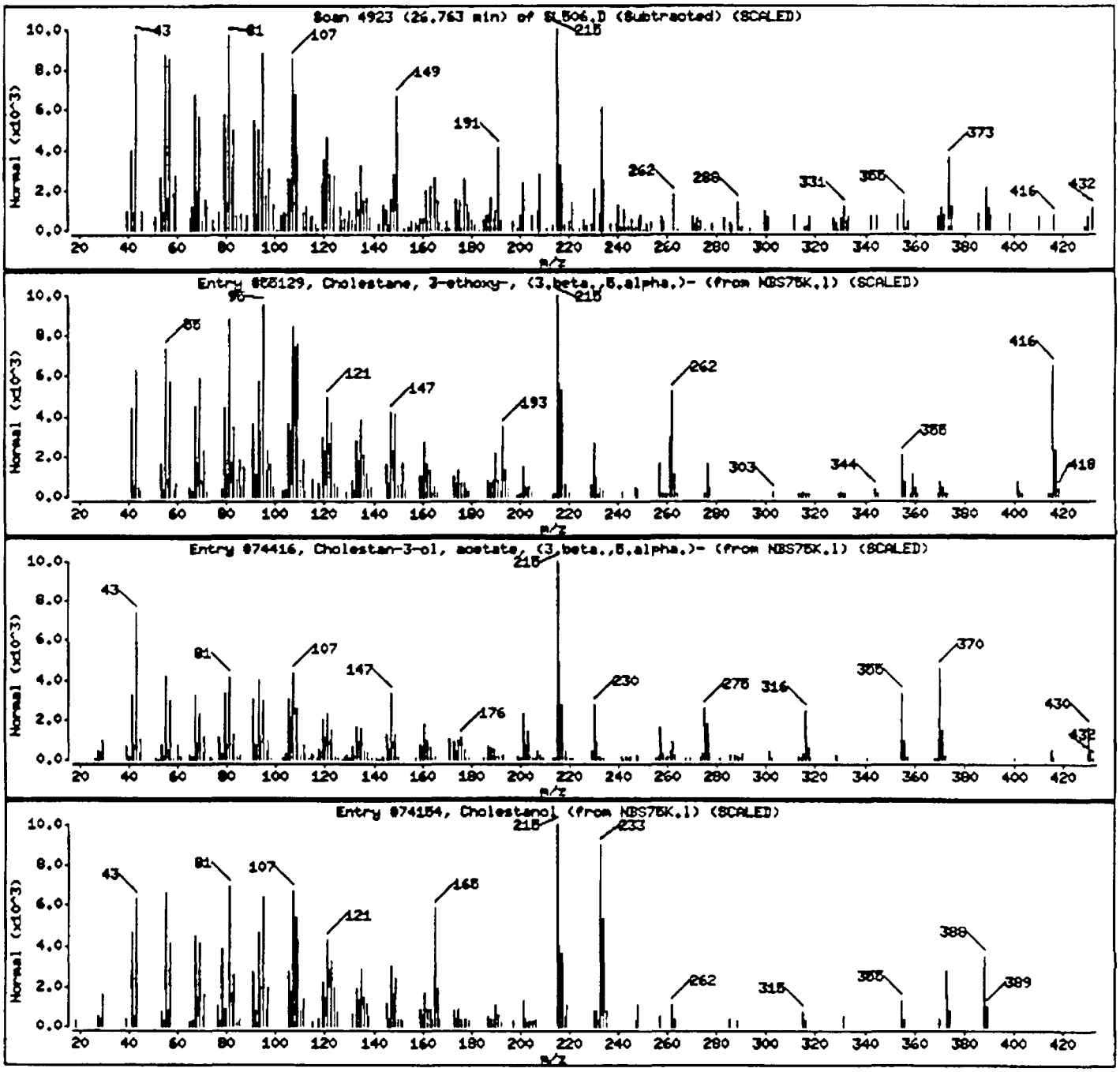
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestane, 3-ethoxy-, (3.beta.,5.alpha.	2089-02-3	NBS75K.l	55129	52	C29H520	416
Cholestan-3-ol, acetate, (3.beta.,5.alph	1255-68-5	NBS75K.l	74416	43	C29H5002	430
Cholestanol	80-97-7	NBS75K.l	74154	32	C27H480	388



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a.b,clp31,1-clp90,sub

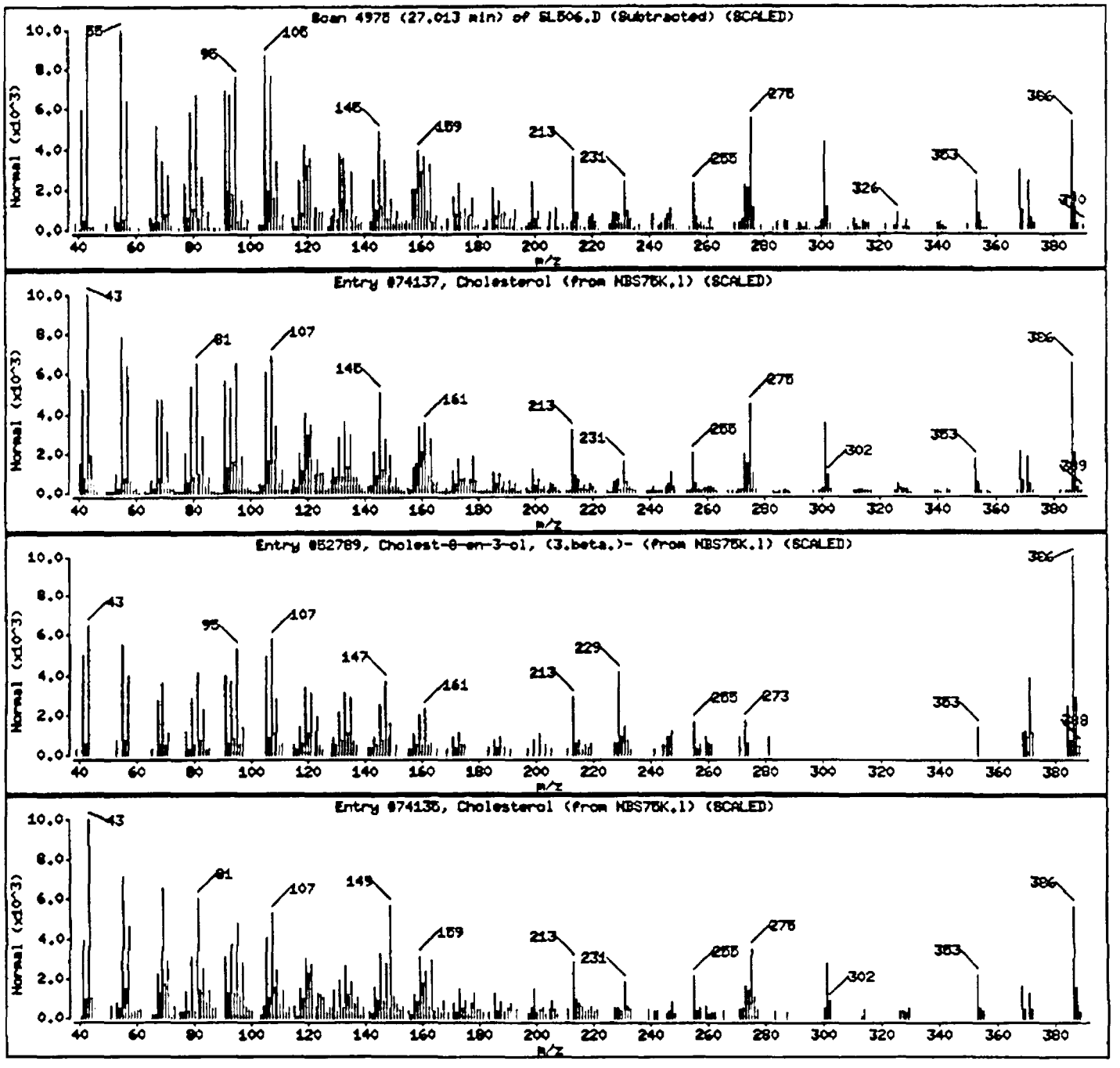
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.1	74137	99	C27H46O	386
Cholest-8-en-3-ol, (3.beta.)-	7199-91-9	NBS75K.1	52789	91	C27H46O	386
Cholesterol	57-88-5	NBS75K.1	74135	89	C27H46O	386



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a.b,olp31,i-olp90.sub

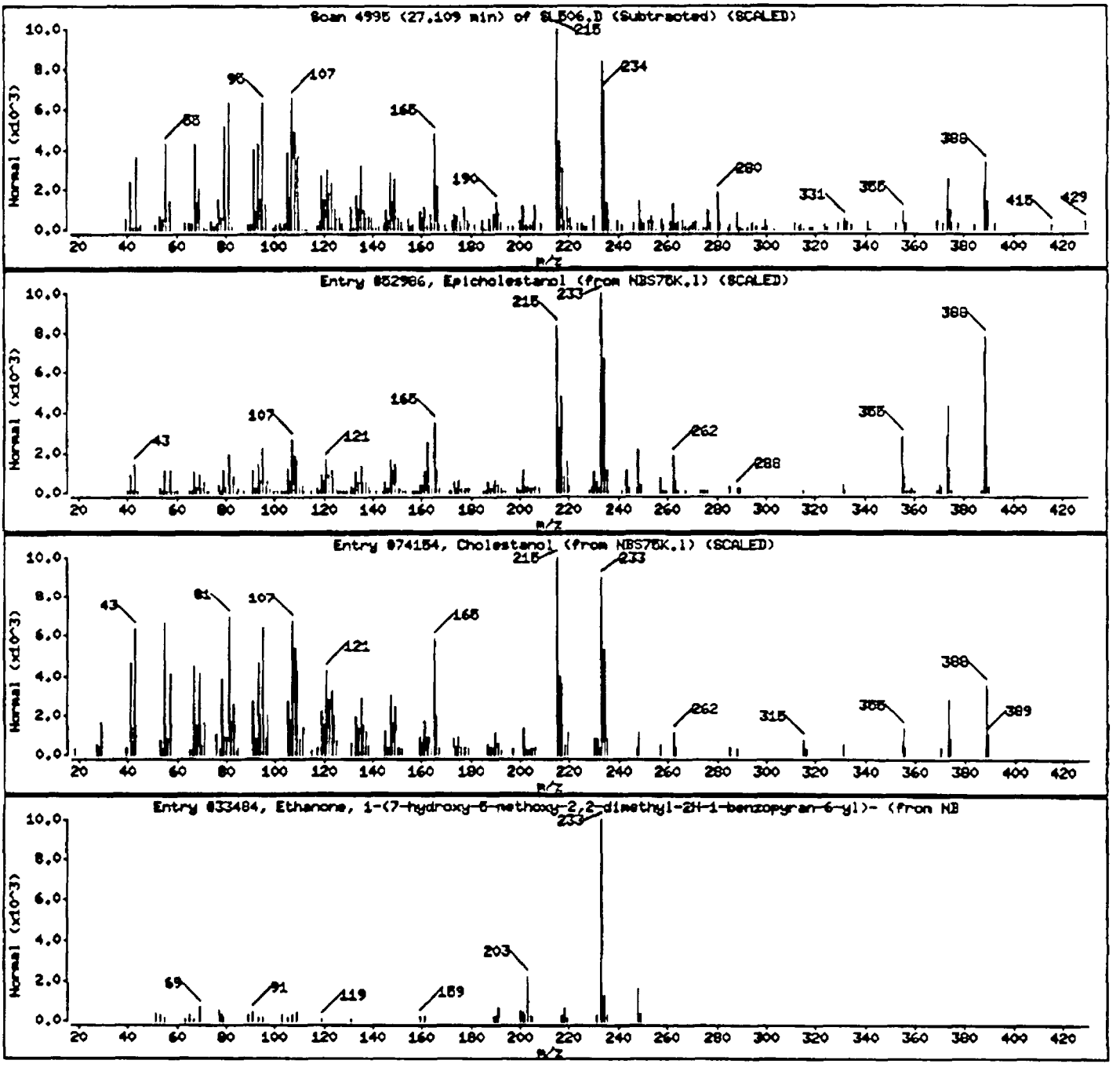
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Epicholestanol	516-95-0	NBS75K.l	52986	89	C27H480	388
Cholestanol	80-97-7	NBS75K.l	74154	32	C27H480	388
Ethanone, 1-(7-hydroxy-5-methoxy-2,2-dim	529-70-4	NBS75K.l	33484	11	C14H1604	248



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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a.b,olp31,1-olp90,sub

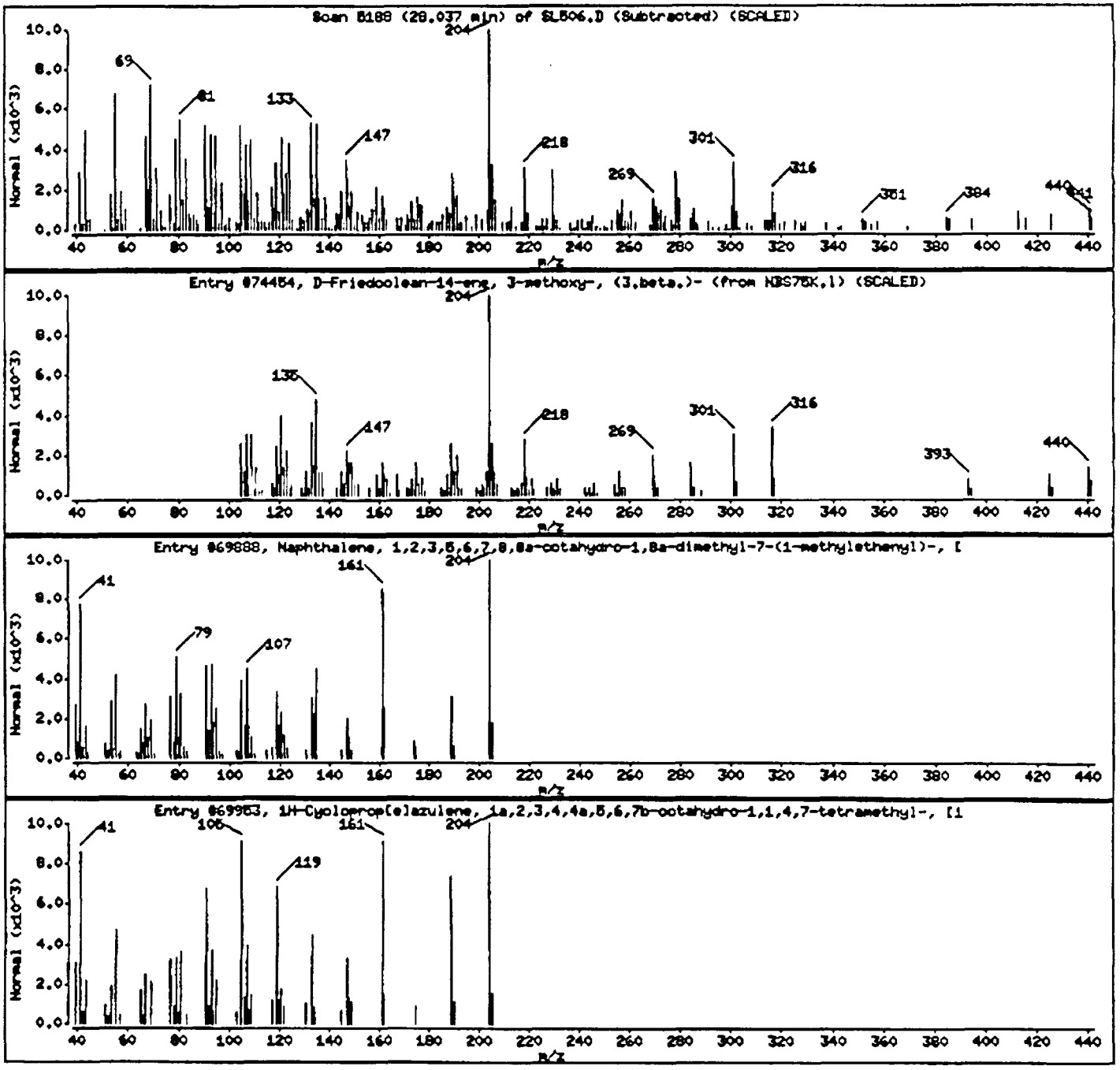
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	NBS75K.l	74454	93	C31H520	440
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.l	69888	53	C15H24	204
1H-Cyclopropl[elazulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69953	43	C15H24	204



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL506.D

Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a.b,olp31,1-olp90.sub

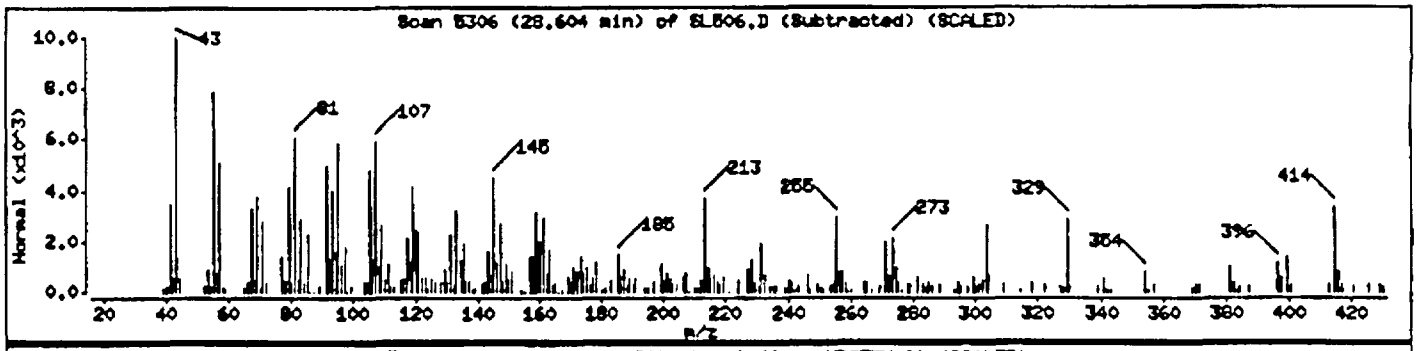
Volume Injected (uL): 2.0

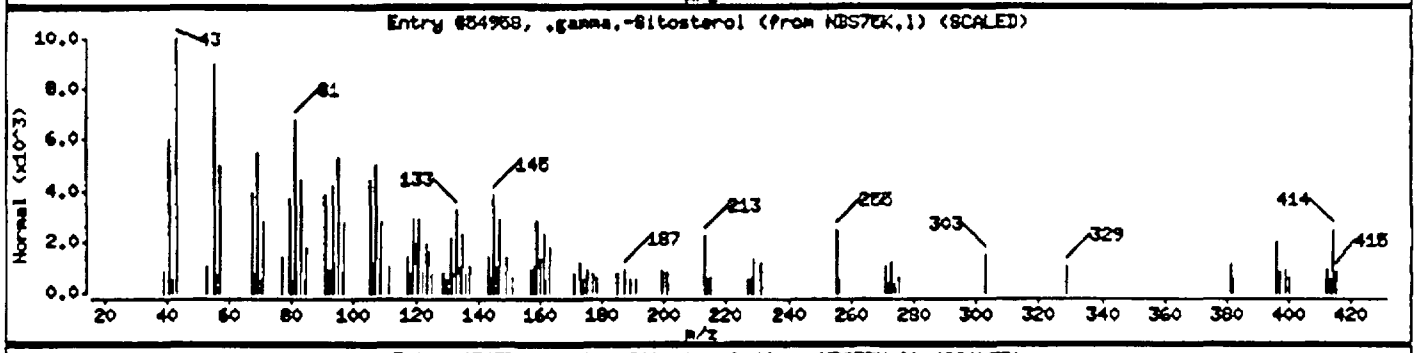
Operator: 001574

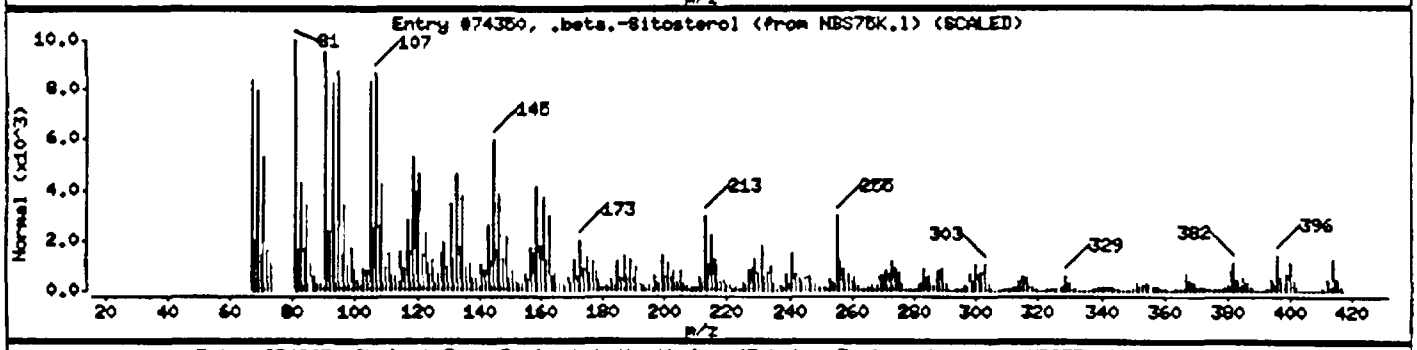
Column phase:

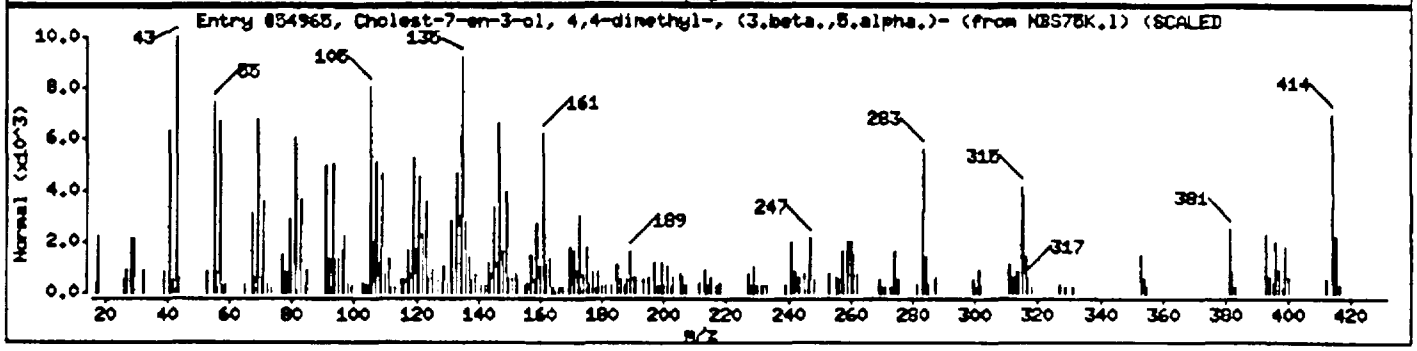
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.l	54968	83	C29H500	414
.beta.-Sitosterol	83-46-5	NBS75K.l	74350	59	C29H500	414
Cholest-7-en-3-ol, 4,4-dimethyl-, (3.bet	6384-28-7	NBS75K.l	54965	11	C29H500	414









RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRND10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:22

QC Batch: 0249298

Client Sample Id: SL50-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl) ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitrosodi-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	**Naphthalene**	**91**	**J**
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	**2-Methylnaphthalene**	**120**	**J**
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRND10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:22

QC Batch: 0249298

Client Sample Id: SL50-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethyl phthalate	420	U
7005-72-3	4-Chlorophenyl phenyl ether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenyl phenyl ether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butyl phthalate	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butyl benzyl phthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:AOI010248 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRND10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:22

QC Batch: 0249298

Client Sample Id: SL50-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	420	U
117-84-0	Di-n-octyl phthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(ghi)perylene	420	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

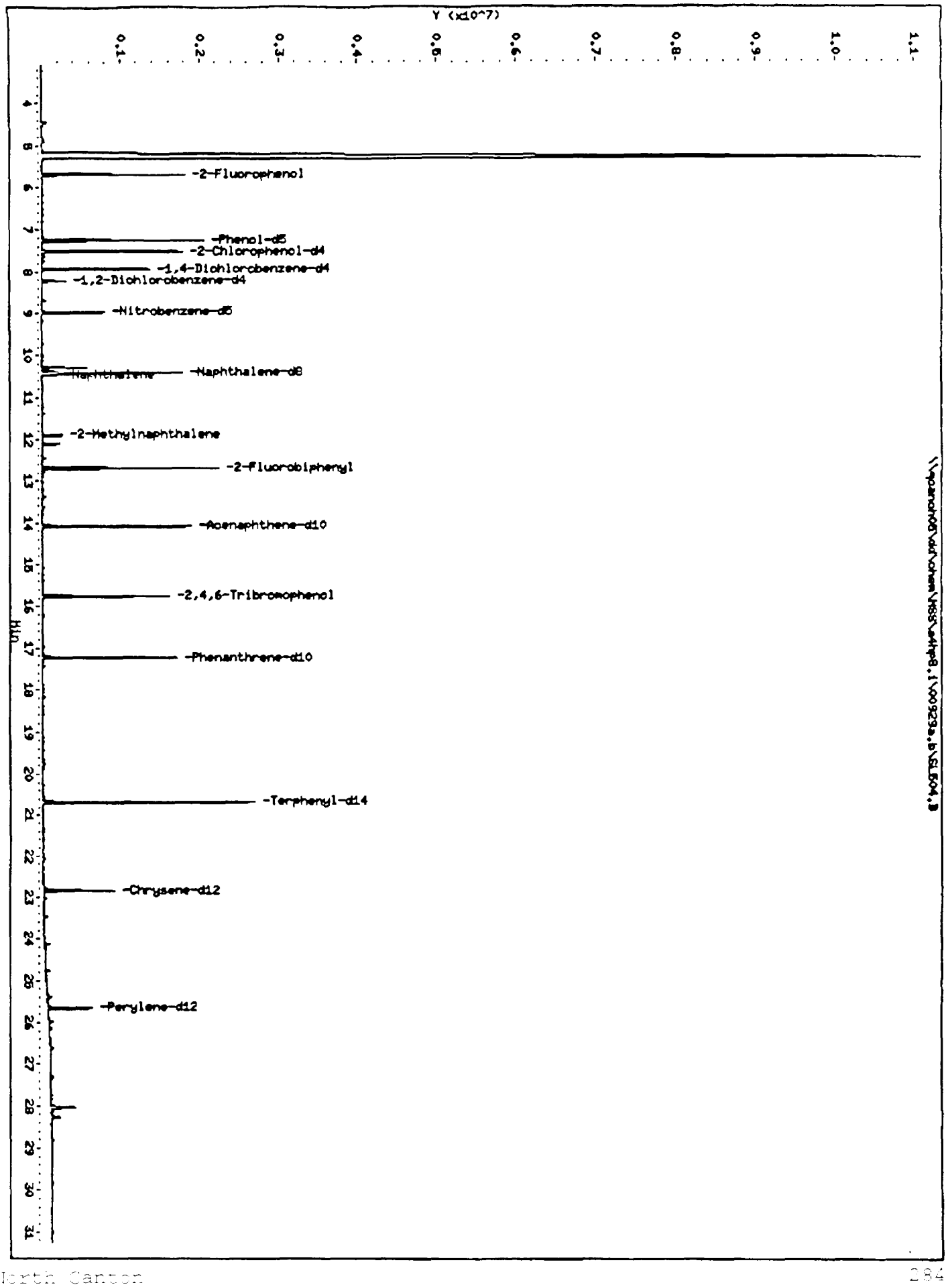
Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRND10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:22

QC Batch: 0249298

Client Sample Id: SL50-4'

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.3095	24000	JA
	Unknown	10.286	260	J
90-12-0	Naphthalene, 1-methyl-	12.094	110	NJ
	Unknown Hydrocarbon	24.761	86	J
	Unknown	28.031	640	J


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
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Methylnaphthalene
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
Min
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Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL504.D
Lab Smp Id: DJRND10U Client Smp ID: SL50-4'
Inj Date : 29-SEP-2000 22:16
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnd10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.940	7.940	(1.000)	312157	40.0000	
* 2 Naphthalene-d8	136	10.416	10.426	(1.000)	1227632	40.0000	
* 3 Acenaphthene-d10	164	14.080	14.095	(1.000)	695483	40.0000	
* 4 Phenanthrene-d10	188	17.230	17.240	(1.000)	1027849	40.0000	
* 5 Chrysene-d12	240	22.847	22.866	(1.000)	520977	40.0000	
* 6 Perylene-d12	264	25.650	25.665	(1.000)	359598	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

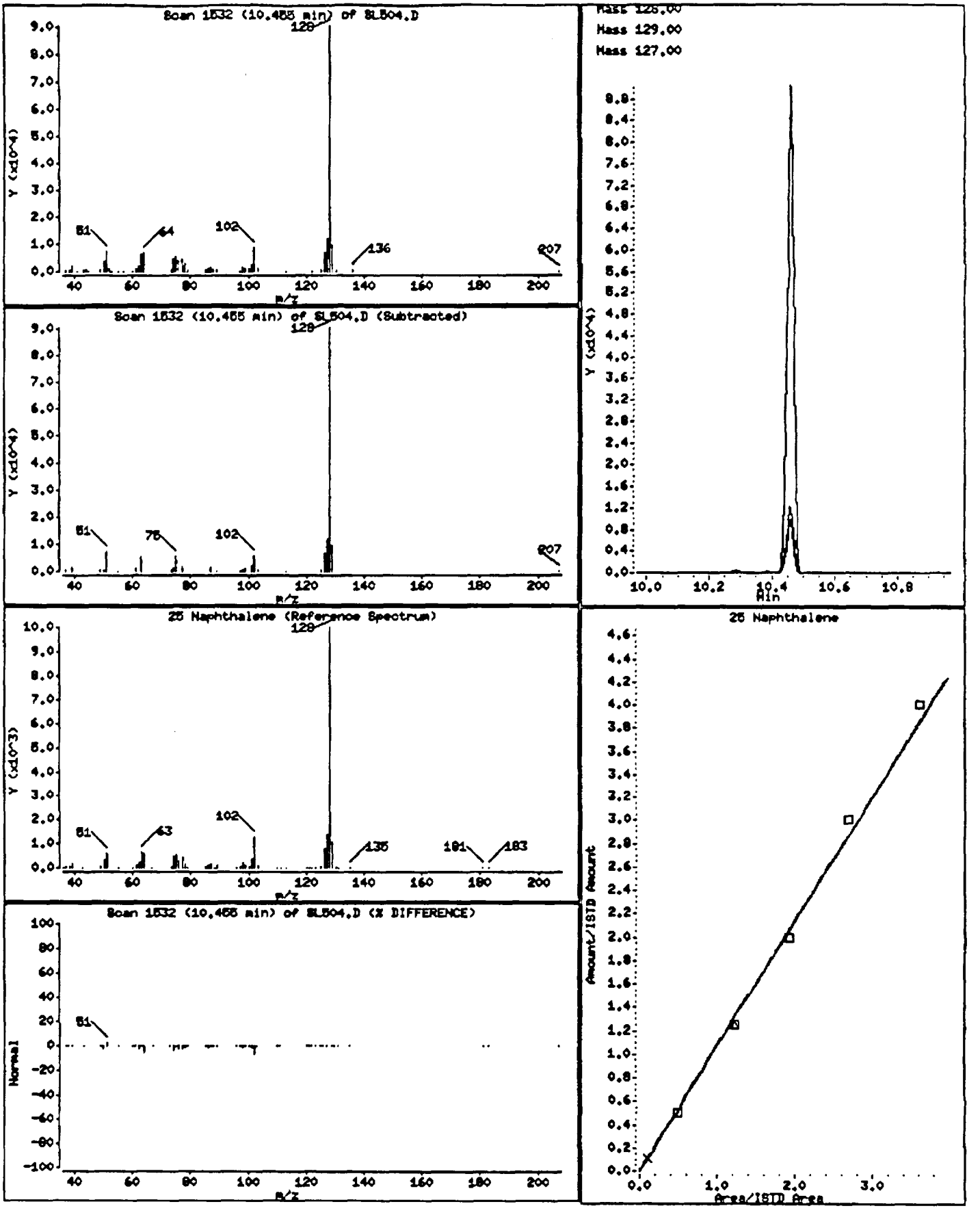
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	10.455	10.469	(1.004)	129795	4.27783	71(a)
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	11.892	11.902	(1.142)	110307	5.84178	97(a)
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	Compound Not Detected.					
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	Compound Not Detected.					
63 Chrysene	228	Compound Not Detected.					
64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	Compound Not Detected.					
67 Benzo(k)fluoranthene	252	Compound Not Detected.					
68 Benzo(a)pyrene	252	Compound Not Detected.					
69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.983	8.998	(0.862)	418219	33.3940	560
$ 73 2-Fluorobiphenyl	172	12.691	12.696	(0.901)	1099245	58.2517	970
$ 74 Terphenyl-d14	244	20.678	20.683	(0.905)	1619494	128.023	2100
$ 75 Phenol-d5	99	7.261	7.262	(0.915)	1169744	83.8989	1400
$ 76 2-Fluorophenol	112	5.699	5.670	(0.718)	674099	65.1902	1100
$ 77 2,4,6-Tribromophenol	330	15.754	15.764	(0.914)	302026	128.835	2100(Q)
$ 78 2-Chlorophenol-d4	132	7.516	7.517	(0.947)	698032	76.3933	1300(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.218	8.223	(1.035)	67706	10.8838	180(a)

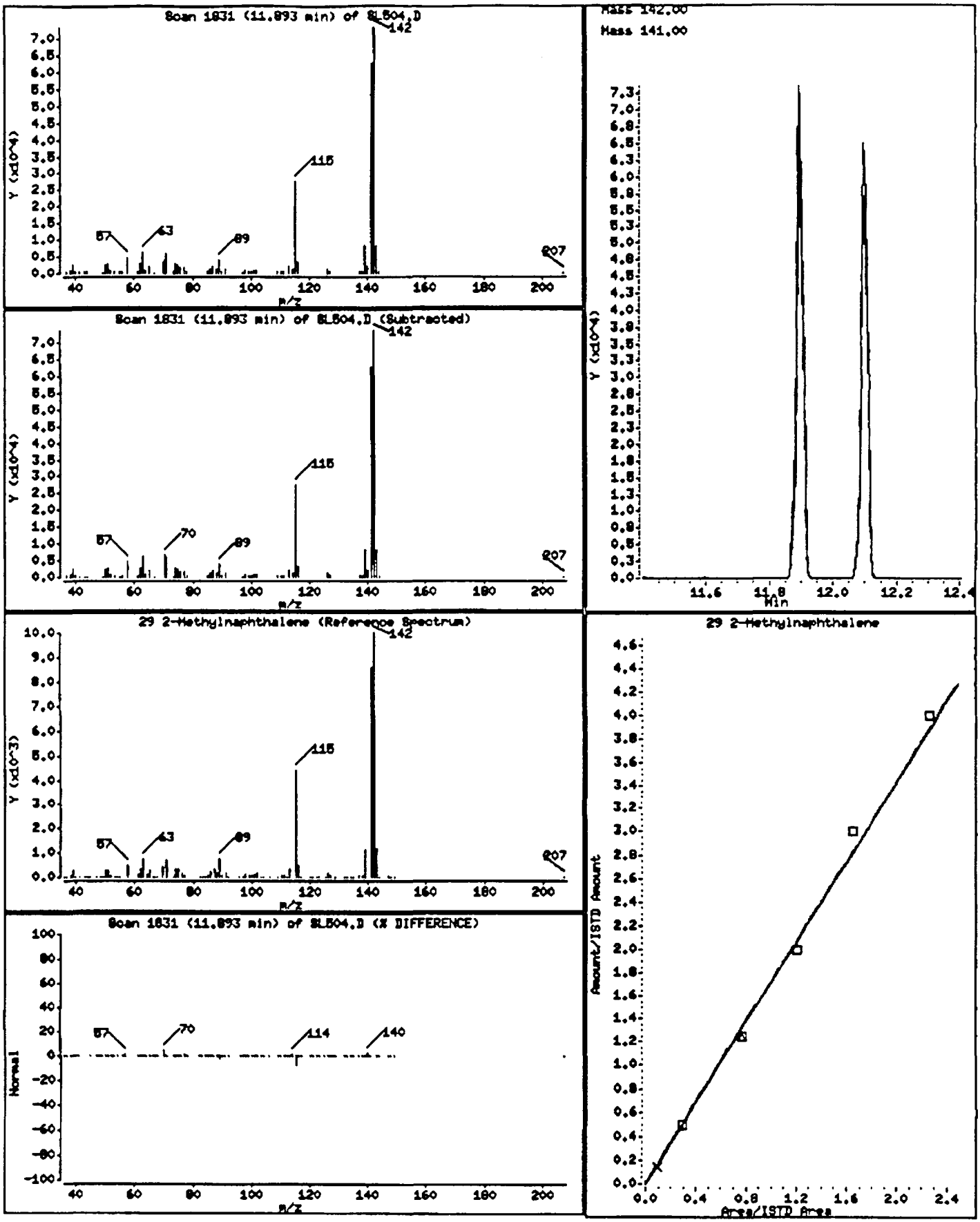
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

25 Naphthalene



29 2-Methylnaphthalene



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL504.D
Lab Smp Id: DJRND10U Client Smp ID: SL50-4'
Inj Date : 29-SEP-2000 22:16
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnd10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.940	2015151	40.000
* 2 Naphthalene-d8	10.417	2651575	40.000
* 6 Perylene-d12	25.651	1016751	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.310	56606327	1123.61460	19000	99		0	1

RT	AREA	CONCENTRATIONS ON-COL(MG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.287	794210	11.9809547	200	0		0	2
Naphthalene, 1-methyl-				CAS #: 90-12-0			
12.095	327707	4.94358259	82	97	NBS75K.1	66233	2
Unknown Hydrocarbon				CAS #:			
24.761	102914	4.04873956	67	99		0	6
Unknown				CAS #:			
28.031	771254	30.3419028	500	0		0	6

Data File: \\qcanoh05\dd\ohem\HSS\a4hp8.i\00929a.b\SL504.D

Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

Sample Info: djrnd10u,00929a.b,olp31,i-olp90.sub

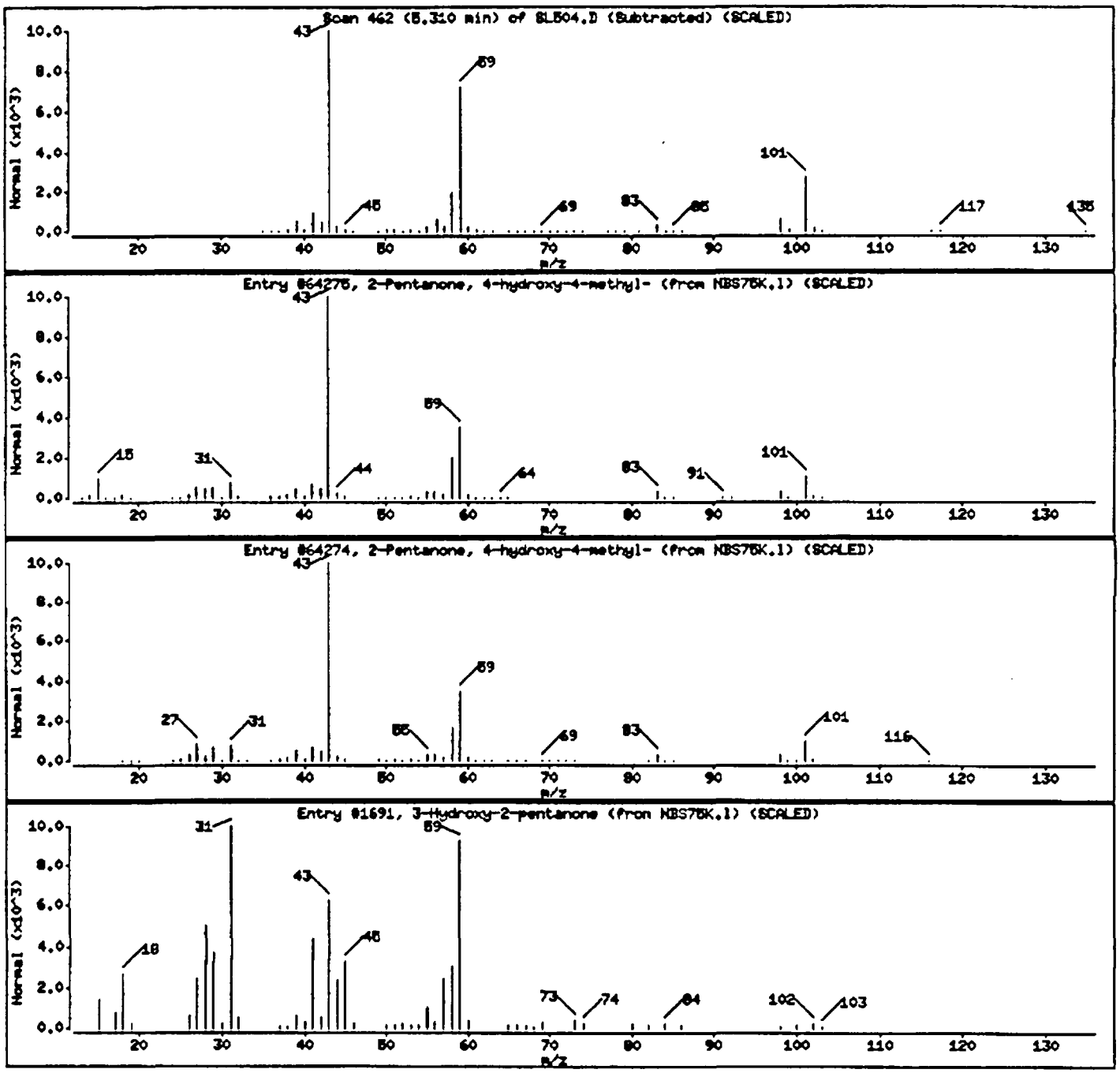
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64275	89	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	42	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.1	1691	32	C5H10O2	102



Data File: \\wcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL504.D

Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

Sample Info: djrnd10u,00929a.b,olp31,1-olp90.sub

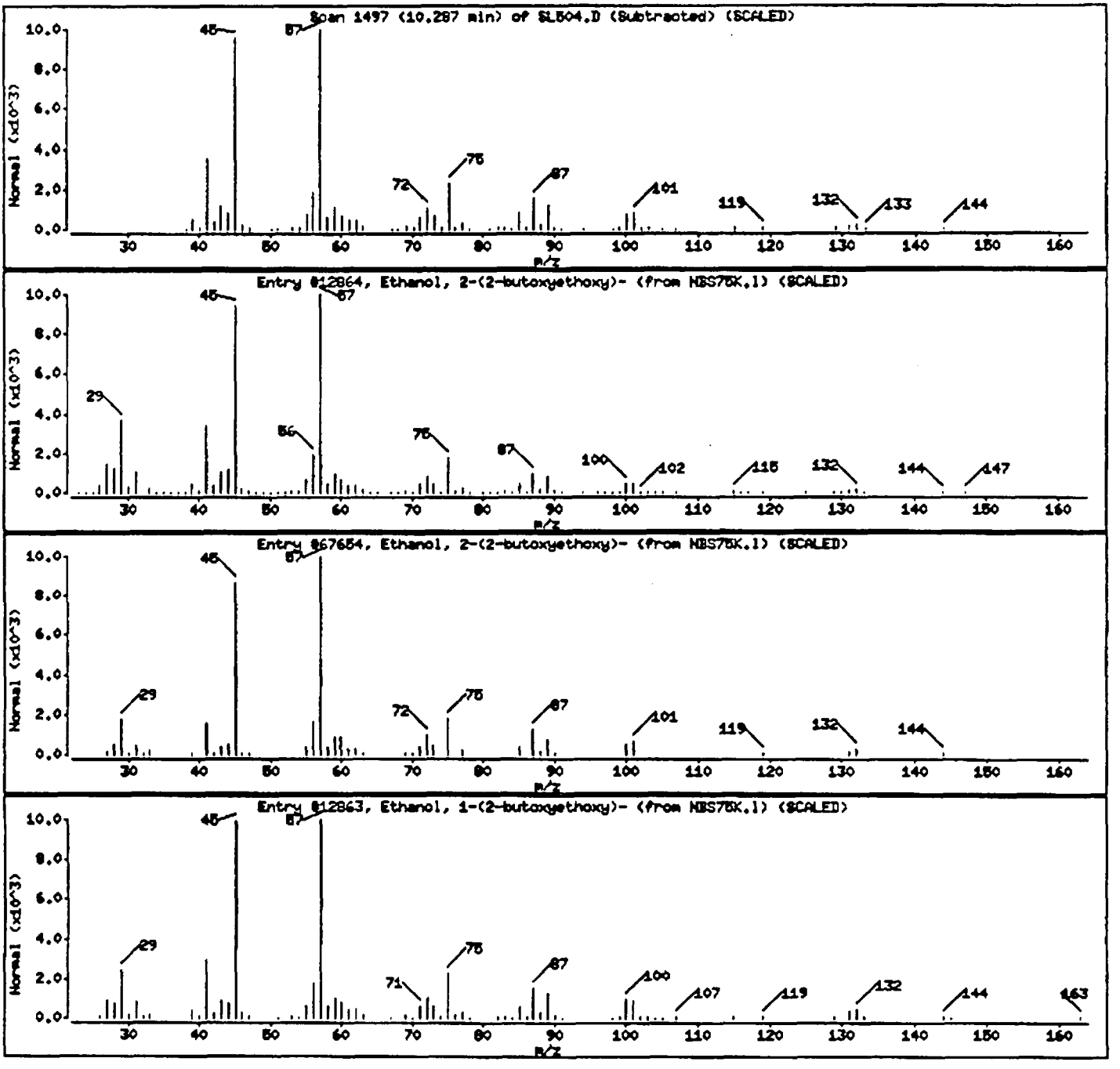
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	12864	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	67654	83	C8H18O3	162
Ethanol, 1-(2-butoxyethoxy)-	64446-78-5	NBS75K.l	12863	83	C8H18O3	162



Data File: \\wcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL504.D

Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

Sample Info: djrnd10u,00929a.b,clp31,1-clp90.sub

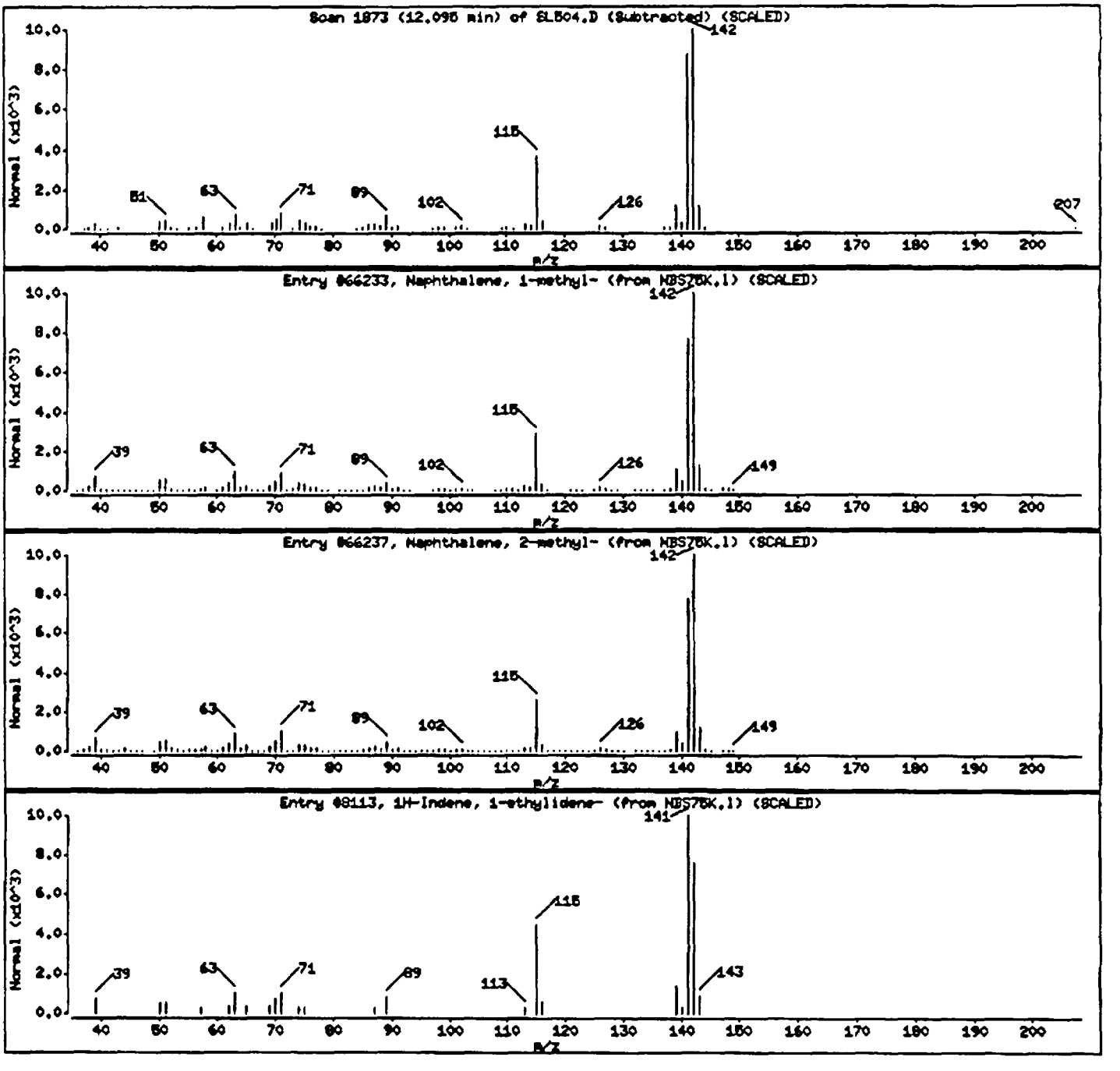
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66233	97	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66237	96	C11H10	142
1H-Indene, 1-ethylidene-	2471-83-2	NBS75K.l	8113	96	C11H10	142



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL504.D

Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

Sample Info: djrnd10u,00929a.b,olp31,1-olp90.sub

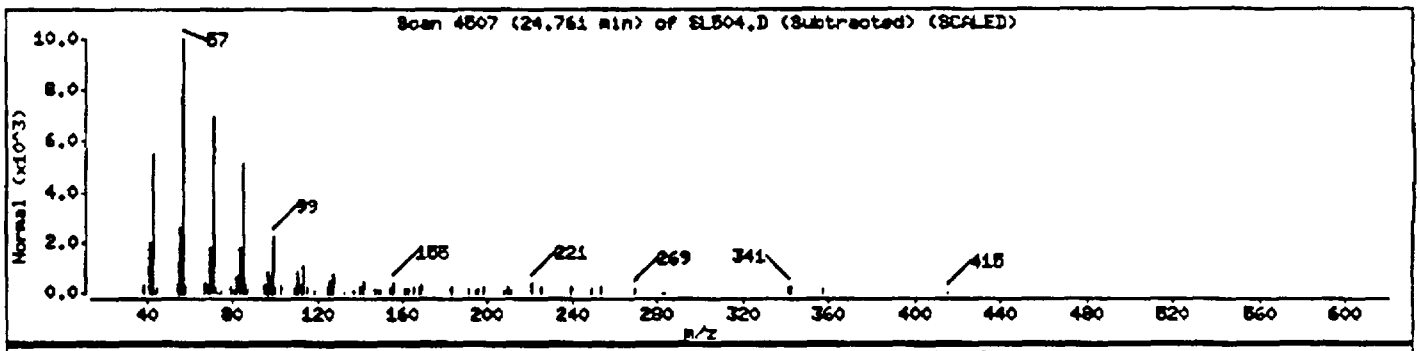
Volume Injected (uL): 2.0

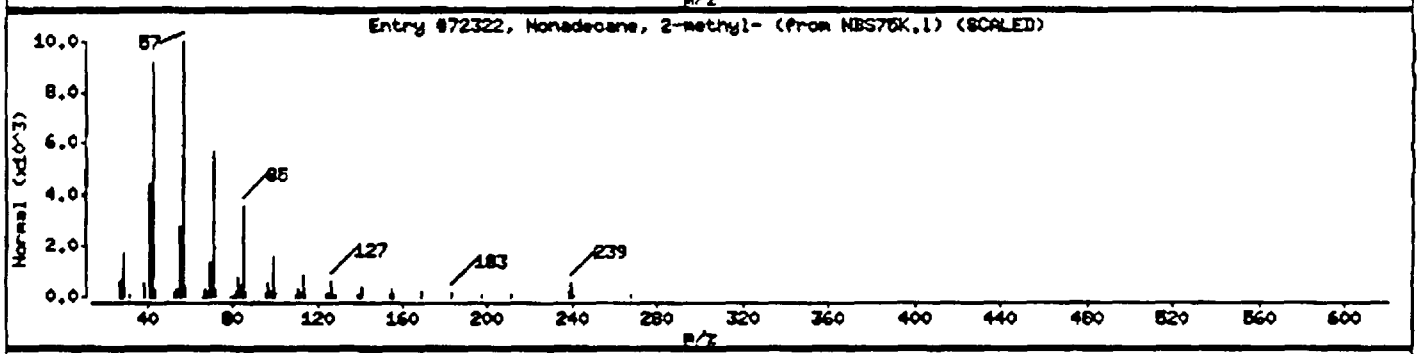
Operator: 001574

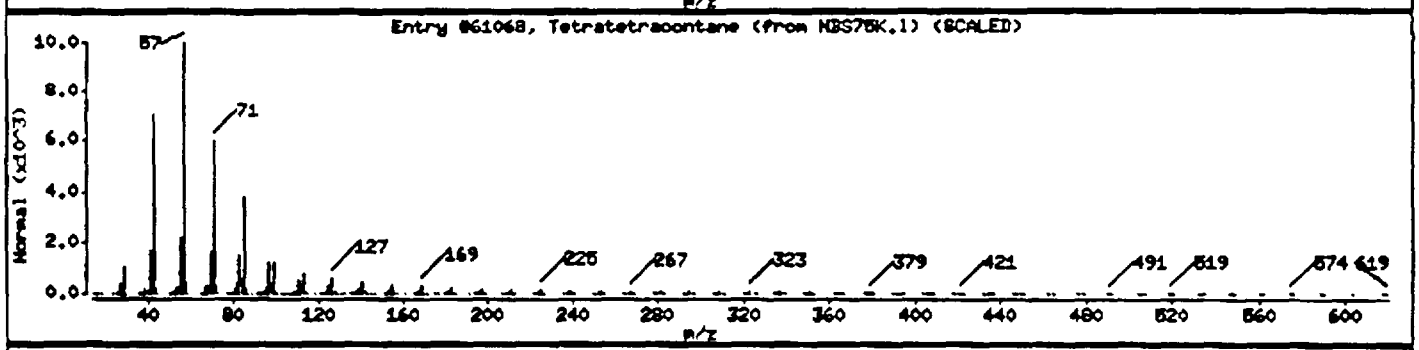
Column phase:

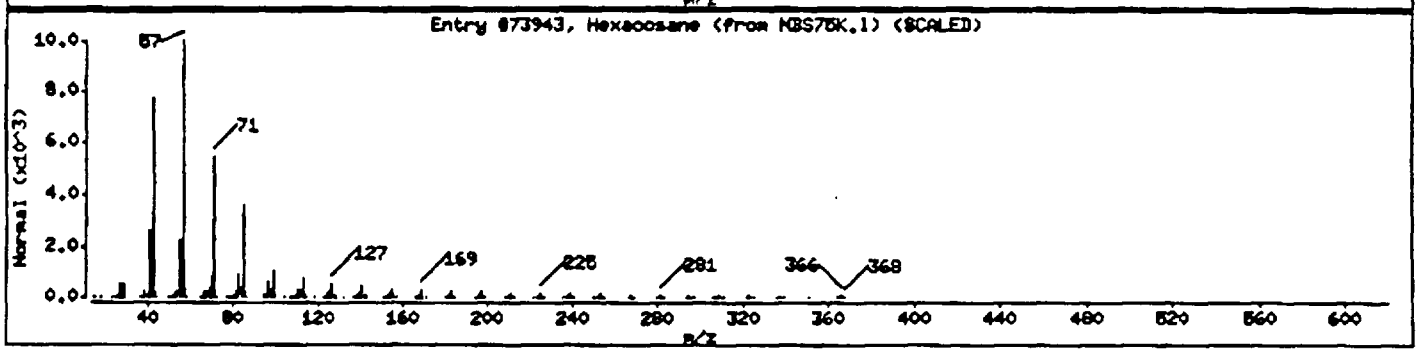
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonadecane, 2-methyl-	1560-86-7	NBS75K.1	72322	87	C20H42	282
Tetratetracontane	7098-22-8	NBS75K.1	61068	74	C44H90	619
Hexacosane	630-01-3	NBS75K.1	73943	74	C26H54	366









Data File: \\qoanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL504.D

Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

Sample Info: djrnd10u,00929a.b,olp31,1-olp90,sub

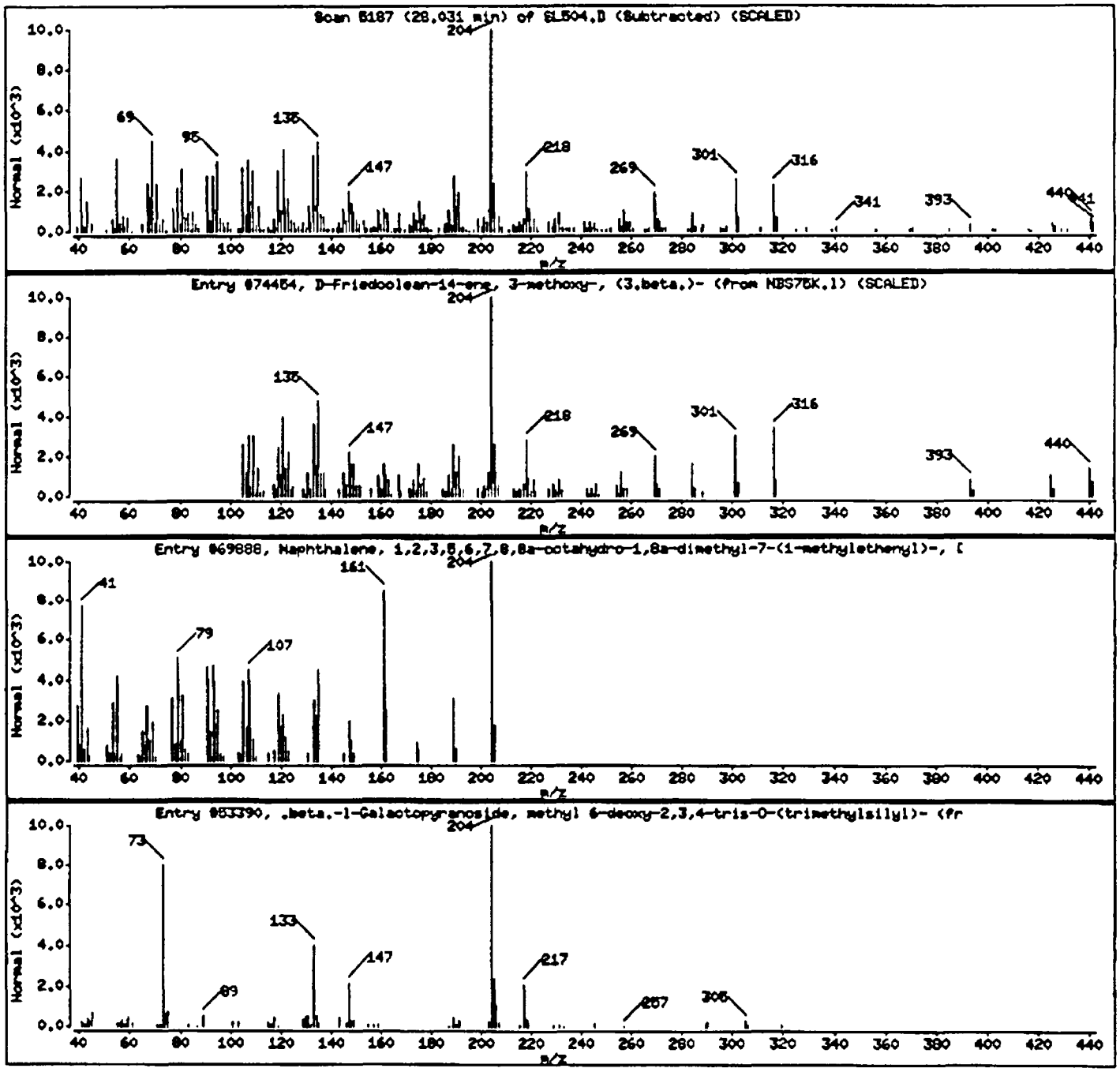
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	NBS75K.l	74454	96	C31H520	440
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.l	69888	53	C15H24	204
.beta.-l-Galactopyranoside, methyl 6-deo	56271-59-1	NBS75K.l	53390	35	C16H3805Si3	394



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRNG10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:62

QC Batch: 0249298

Client Sample Id: SL51-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	870	U
111-44-4	bis(2-Chloroethyl) ether	870	U
95-57-8	2-Chlorophenol	870	U
541-73-1	1,3-Dichlorobenzene	870	U
106-46-7	1,4-Dichlorobenzene	870	U
95-50-1	1,2-Dichlorobenzene	870	U
95-48-7	2-Methylphenol	870	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	870	U
106-44-5	4-Methylphenol	870	U
621-64-7	N-Nitrosodi-n-propylamine	870	U
67-72-1	Hexachloroethane	870	U
98-95-3	Nitrobenzene	870	U
78-59-1	Isophorone	870	U
88-75-5	2-Nitrophenol	870	U
105-67-9	2,4-Dimethylphenol	870	U
111-91-1	bis(2-Chloroethoxy)methane	870	U
120-83-2	2,4-Dichlorophenol	870	U
120-82-1	1,2,4-Trichlorobenzene	870	U
91-20-3	Naphthalene	870	U
106-47-8	4-Chloroaniline	870	U
87-68-3	Hexachlorobutadiene	870	U
59-50-7	4-Chloro-3-methylphenol	870	U
91-57-6	2-Methylnaphthalene	870	U
77-47-4	Hexachlorocyclopentadiene	870	U
88-06-2	2,4,6-Trichlorophenol	870	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	870	U
88-74-4	2-Nitroaniline	2100	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRNG10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:62

QC Batch: 0249298

Client Sample Id: SL51-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	870	U
208-96-8	Acenaphthylene	870	U
606-20-2	2,6-Dinitrotoluene	870	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	870	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	870	U
121-14-2	2,4-Dinitrotoluene	870	U
84-66-2	Diethyl phthalate	870	U
7005-72-3	4-Chlorophenyl phenyl ether	870	U
86-73-7	Fluorene	870	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine	870	U
101-55-3	4-Bromophenyl phenyl ether	870	U
118-74-1	Hexachlorobenzene	870	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	**Phenanthrene**	**1200**	
120-12-7	**Anthracene**	**170**	**J**
86-74-8	Carbazole	870	U
84-74-2	Di-n-butyl phthalate	870	U
206-44-0	**Fluoranthene**	**1700**	
129-00-0	**Pyrene**	**420**	**J**
85-68-7	Butyl benzyl phthalate	870	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	**Benzo(a)anthracene**	**1100**	
218-01-9	**Chrysene**	**1100**	

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRNG10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:62

QC Batch: 0249298

Client Sample Id: SL51-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**320**	**J**
117-84-0	Di-n-octyl phthalate	870	U
205-99-2	**Benzo(b)fluoranthene**	**760**	**J**
207-08-9	**Benzo(k)fluoranthene**	**370**	**J**
50-32-8	Benzo(a)pyrene	870	U
193-39-5	Indeno(1,2,3-cd)pyrene	870	U
53-70-3	**Dibenz(a,h)anthracene**	**110**	**J**
191-24-2	Benzo(ghi)perylene	870	U

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

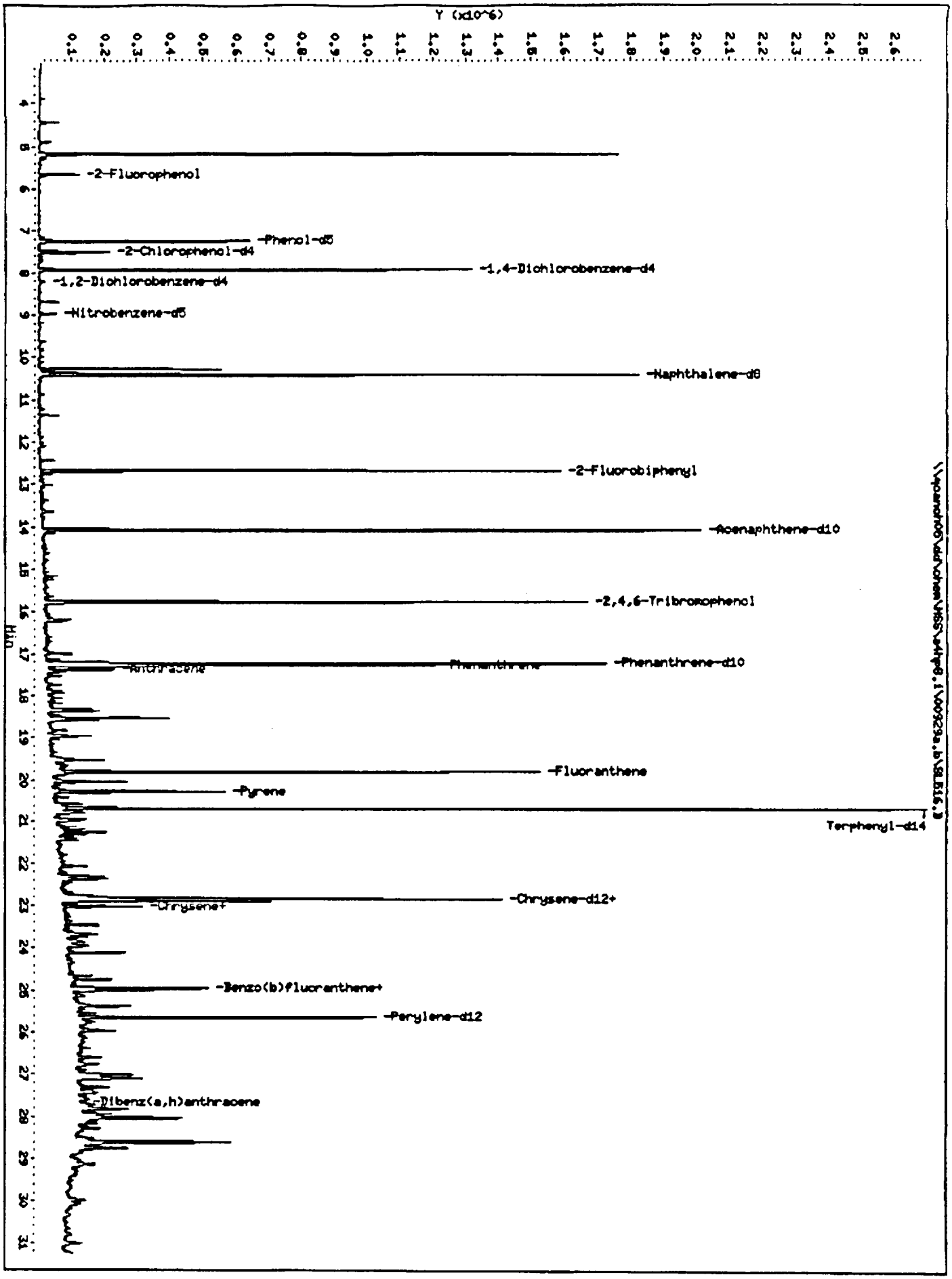
Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRNG10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:62

QC Batch: 0249298

Client Sample Id: SL51-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.1862	2400	JA
	Unknown	10.283	500	J
	Unknown	18.53	370	J
	Unknown PAH	18.583	190	J
309-00-2	Aldrin-R	18.958	180	NJ
	Unknown	19.526	260	J
57-74-9	Chlordane	20.035	260	NJ
	Unknown PAH	20.781	210	J
	Unknown PAH	20.949	200	J
	Unknown PAH	22.382	180	J
	Unknown Hydrocarbon	24.128	180	J
	Unknown Hydrocarbon	25.378	420	J
	Unknown	25.763	260	J
	Unknown Hydrocarbon	25.969	320	J
57-88-5	Cholesterol	27.008	390	NJ
	Unknown	27.104	580	J
	Unknown Hydrocarbon	27.321	340	J
	Unknown	27.436	340	J
	Unknown	27.84	530	J
	Unknown PAH	27.951	290	J
	Unknown	28.052	1300	J
	Unknown	28.287	320	J
	Unknown	28.609	1600	J
	Unknown	28.749	740	J
	Unknown	29.134	470	J
	Unknown	31.014	260	J


Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Anthracene
-Phenanthrene-d10
-Fluoranthene
-Pyrene
Terphenyl-d14
-Chrysene-d12+
-Chrysene+
-Benzo(b)fluoranthene+
-Perylene-d12
-Dibenz(a,h)anthracene

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D
Lab Smp Id: DJRNG10U Client Smp ID: SL51-6"
Inj Date : 30-SEP-2000 02:52
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrng10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.030	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.932	7.940	(1.000)	316626	40.0000	
* 2 Naphthalene-d8	136	10.413	10.426	(1.000)	1267655	40.0000	
* 3 Acenaphthene-d10	164	14.082	14.095	(1.000)	743893	40.0000	
* 4 Phenanthrene-d10	188	17.227	17.240	(1.000)	1112345	40.0000	
* 5 Chrysene-d12	240	22.853	22.866	(1.000)	676839	40.0000	
* 6 Perylene-d12	264	25.657	25.665	(1.000)	565184	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

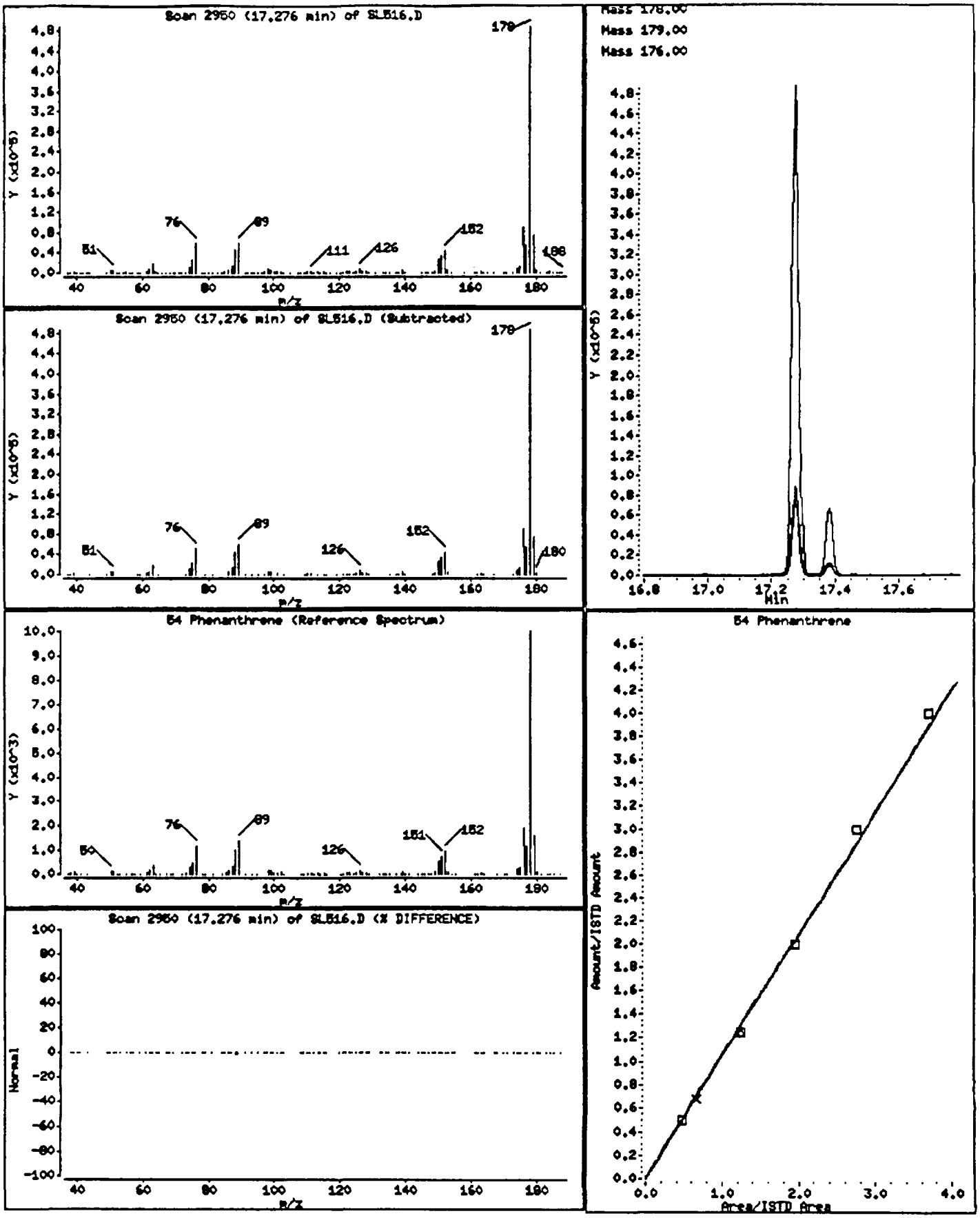
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	17.275	17.293	(1.003)	743205	26.7954	450
55 Anthracene	178	17.381	17.399	(1.009)	104537	3.89850	65(a)
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.805	19.813	(1.150)	1058006	39.6273	660
59 Pyrene	202	20.271	20.289	(0.887)	236900	9.93107	160(a)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	22.834	22.842	(0.999)	461571	25.1731	420(H)
63 Chrysene	228	22.906	22.919	(1.002)	432081	24.4958	410
64 bis(2-ethylhexyl)Phthalate	149	23.031	23.039	(1.008)	92406	7.16536	120(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.964	24.977	(0.973)	352509	17.6930	290(a)
67 Benzo(k)fluoranthene	252	25.012	25.030	(0.975)	161310	8.12625	140(aH)
68 Benzo(a)pyrene	252	Compound Not Detected.					
69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70 Dibenz(a,h)anthracene	278	27.729	27.757	(1.081)	39948	2.58968	43(a)
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.975	8.998	(0.862)	28122	2.17459	36(aR)
$ 73 2-Fluorobiphenyl	172	12.687	12.696	(0.901)	785370	38.9103	650
$ 74 Terphenyl-d14	244	20.680	20.683	(0.905)	1593503	96.9604	1600
$ 75 Phenol-d5	99	7.244	7.262	(0.913)	373210	26.3903	440(R)
$ 76 2-Fluorophenol	112	5.662	5.670	(0.714)	55732	5.31361	88(aR)
$ 77 2,4,6-Tribromophenol	330	15.756	15.764	(0.915)	328382	129.437	2200(Q)
$ 78 2-Chlorophenol-d4	132	7.804	7.817	(0.946)	90144	9.72620	160(aQ)
$ 79 1,2-Dichlorobenzene-d4	152	7.932	8.223	(1.000)	316626	50.1795	840(Q)

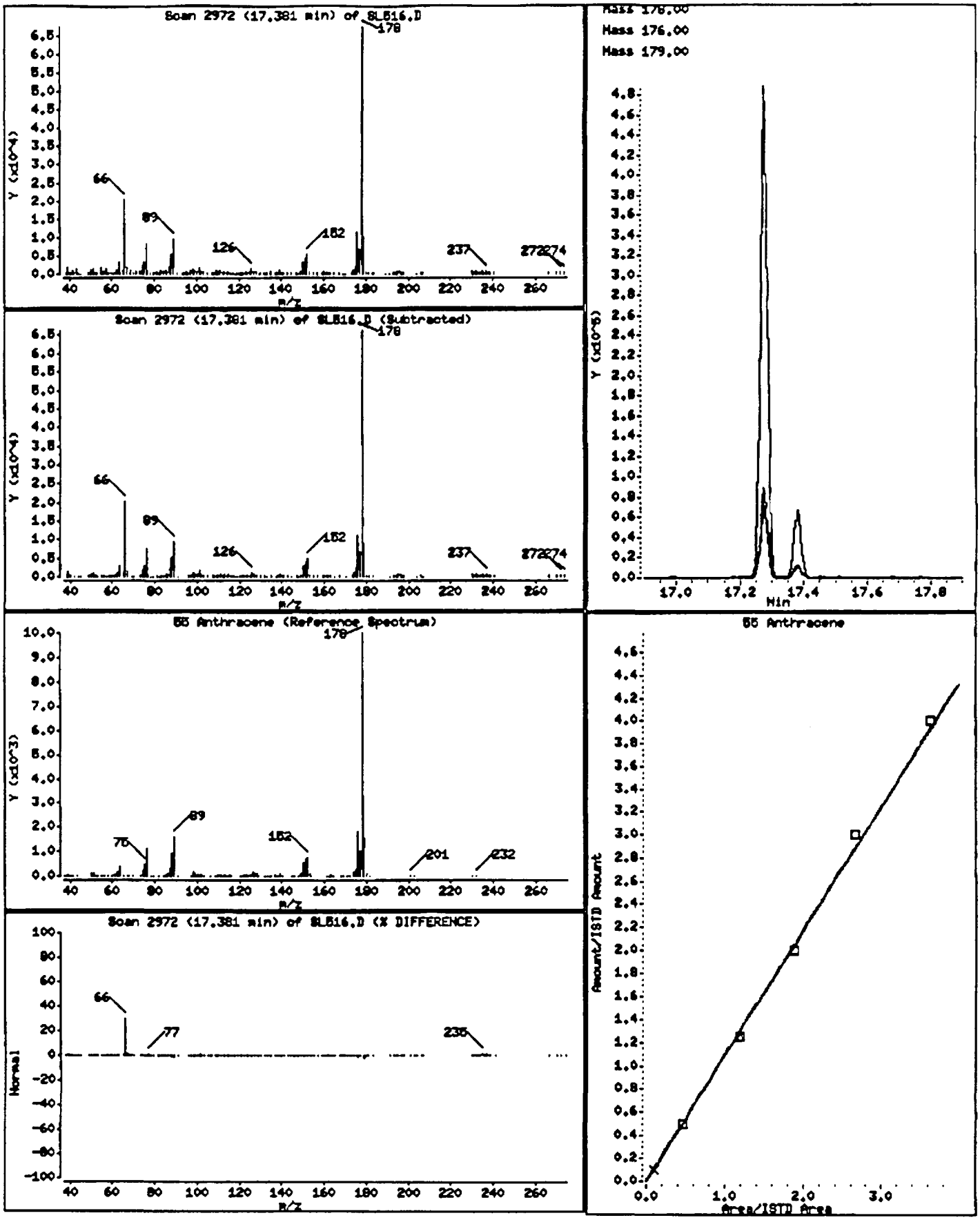
QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

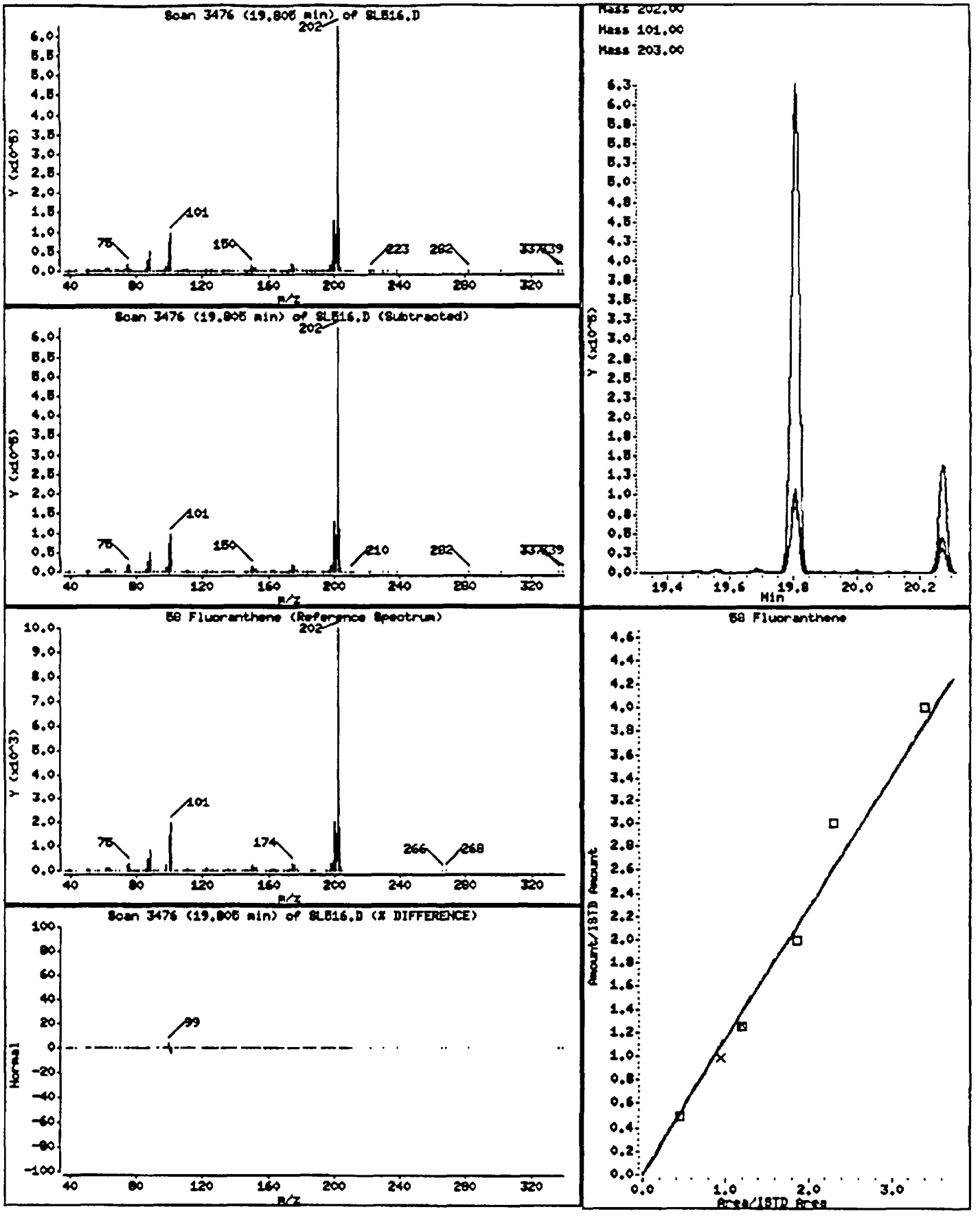
54 Phenanthrene



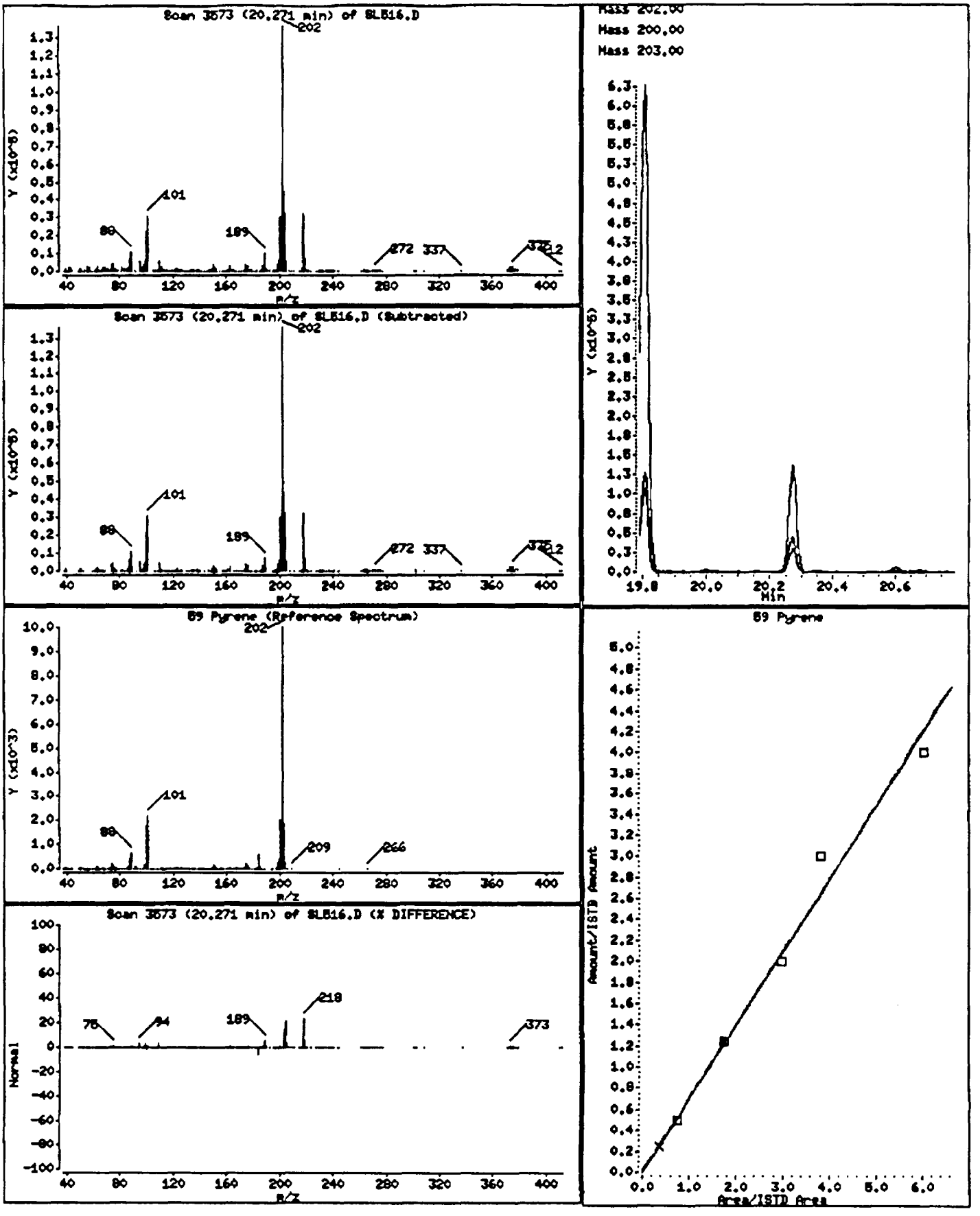
55 Anthracene



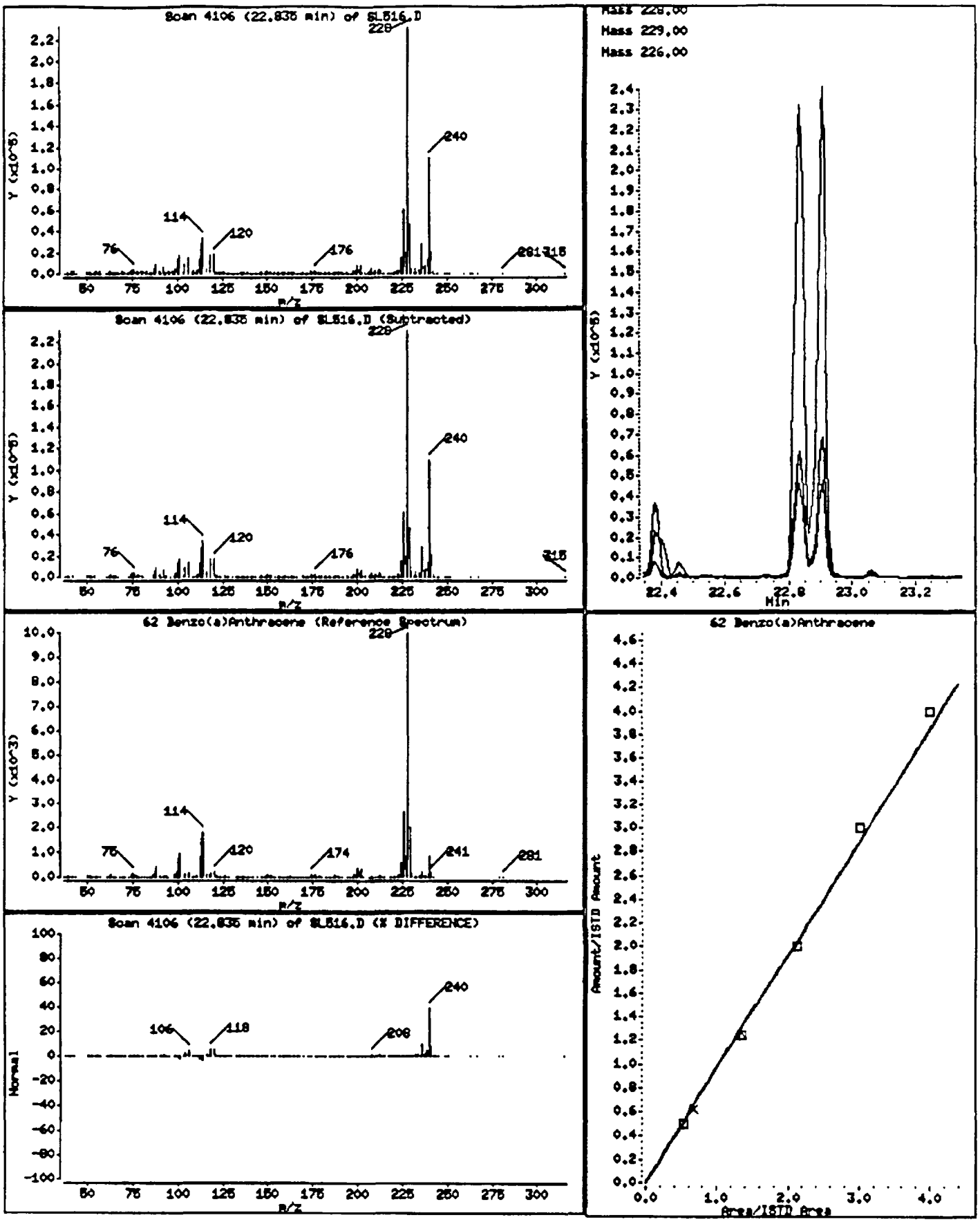
58 Fluoranthene



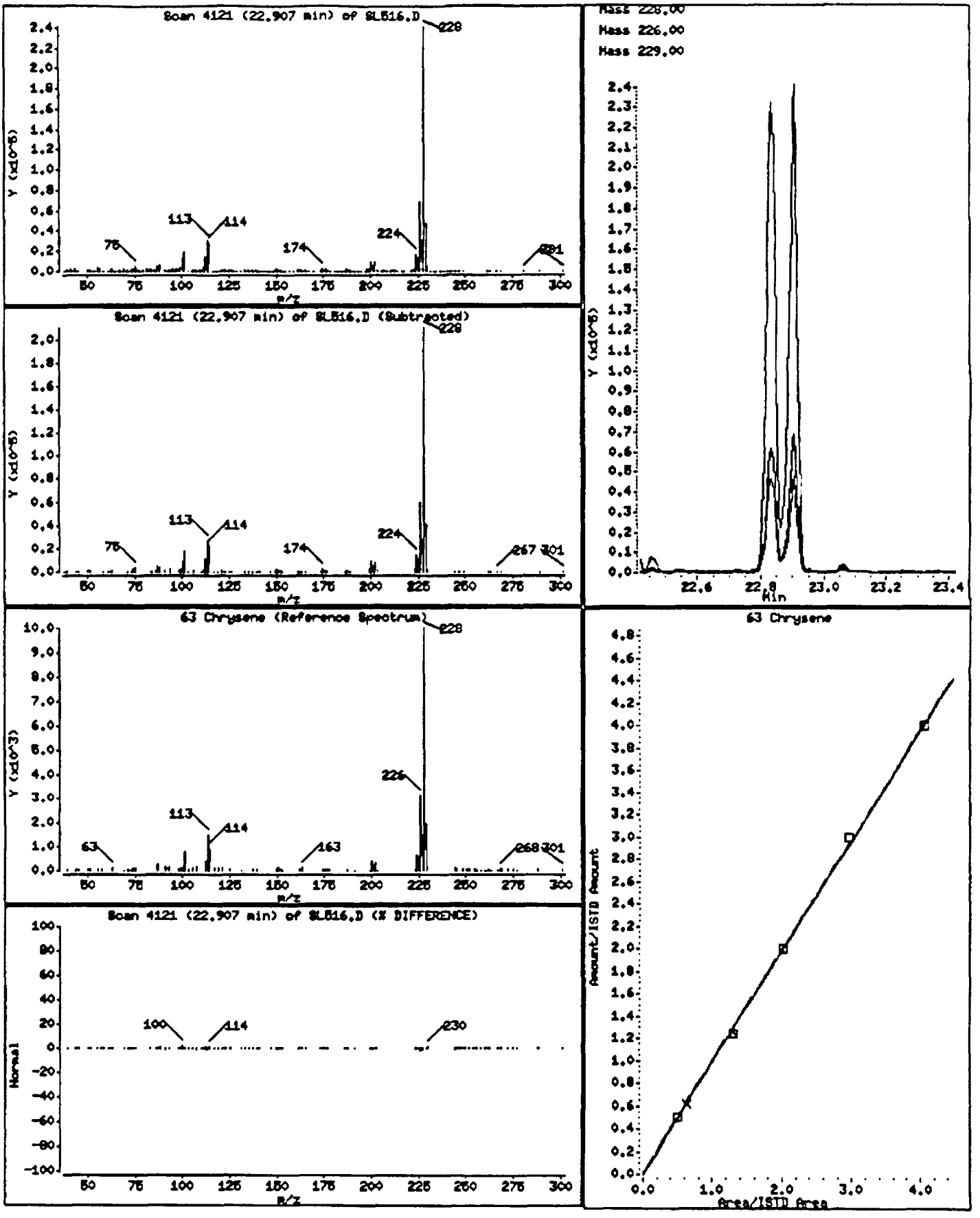
59 Pyrene


Scan 3573 (20.271 min) of SL516.D
Scan 3573 (20.271 min) of SL516.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3573 (20.271 min) of SL516.D (% DIFFERENCE)
Y (x10^-5)
Y (x10^-3)
Normal
m/z
202
101
89
189
272
337
209
266
218
76
94
373
Mass 202.00
Mass 200.00
Mass 203.00
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

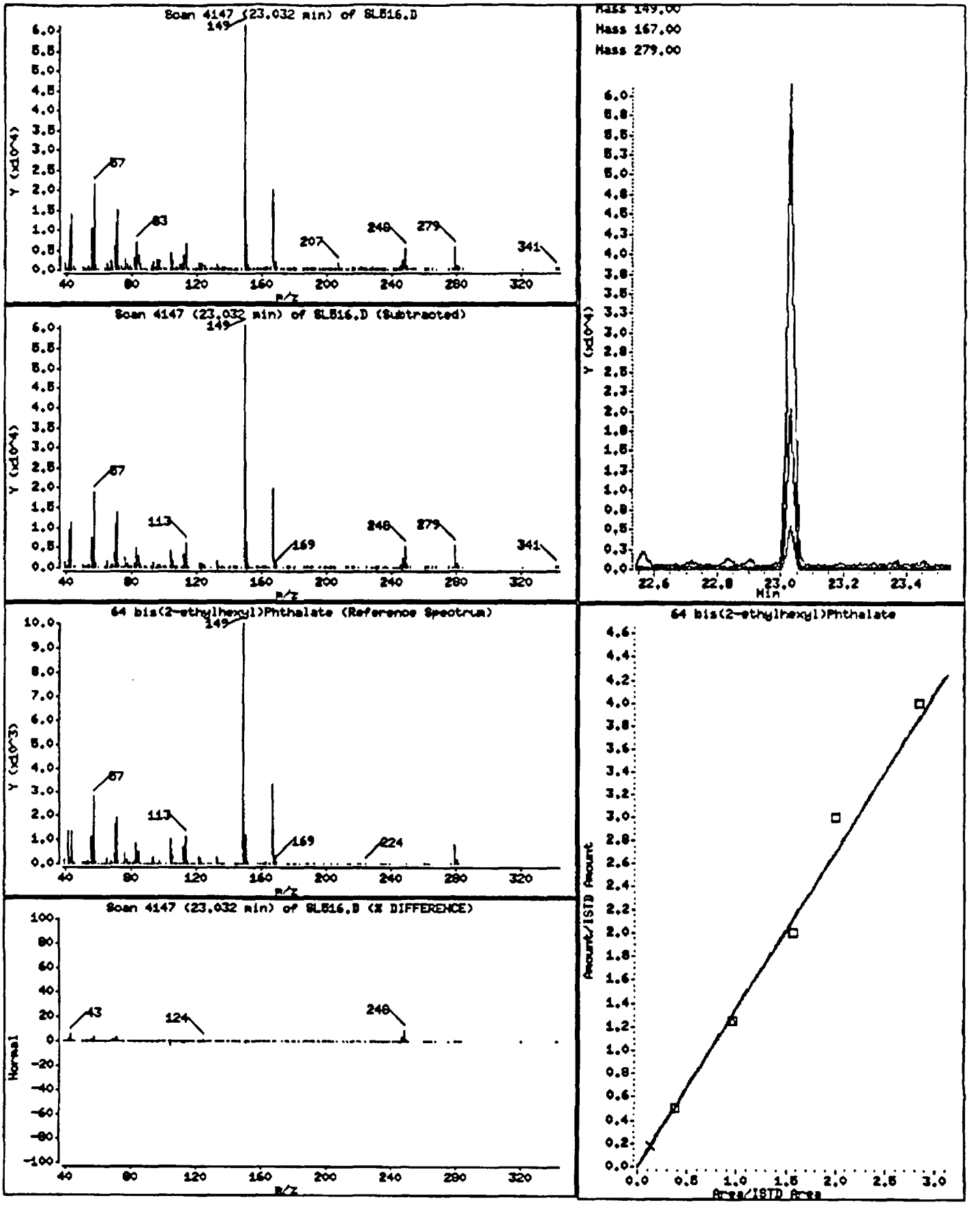
62 Benzo(a)Anthracene



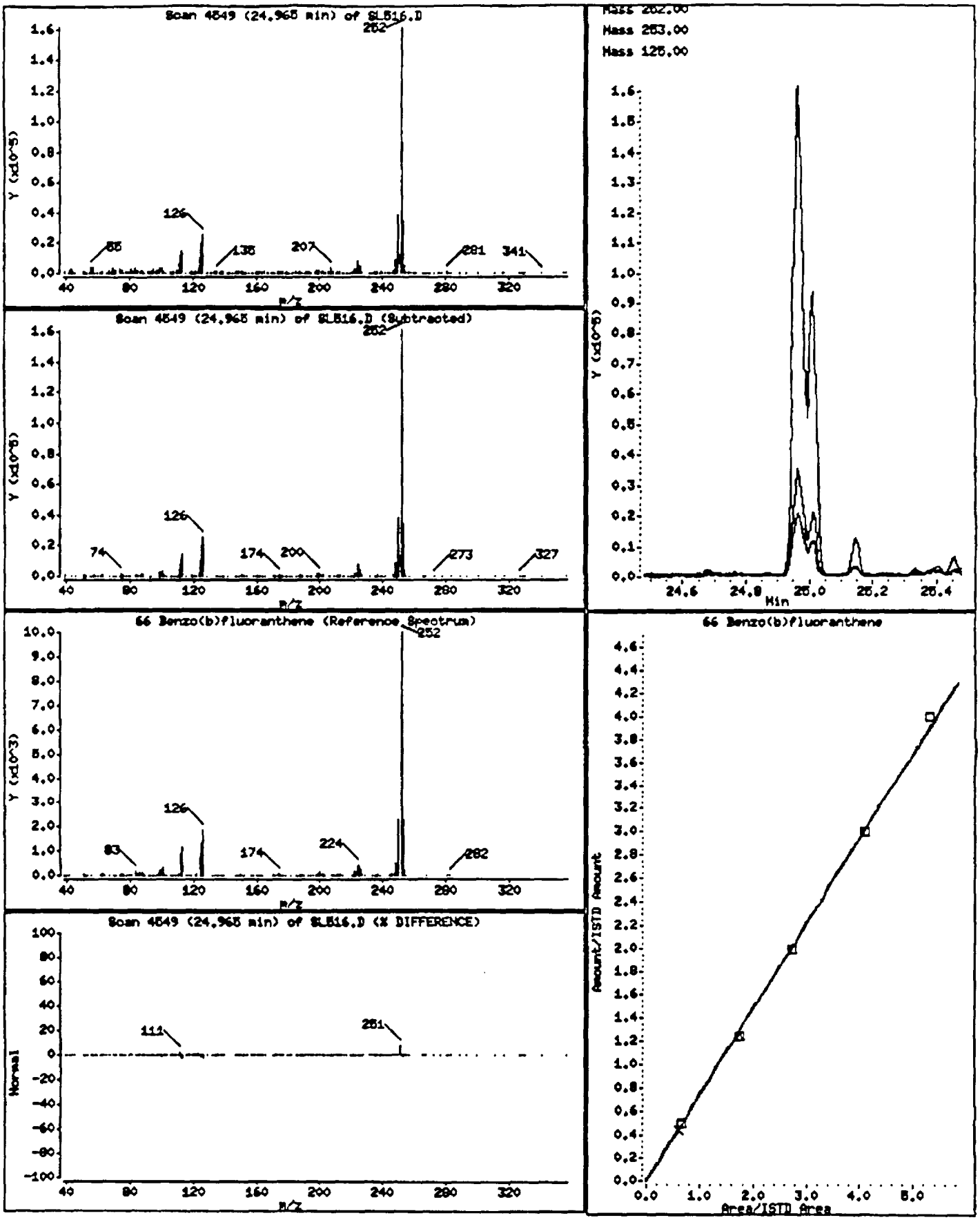
63 Chrysene


Scan 4121 (22.907 min) of SL516.D
Scan 4121 (22.907 min) of SL516.D (Subtracted)
63 Chrysene (Reference Spectrum)
Scan 4121 (22.907 min) of SL516.D (% DIFFERENCE)
Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^6)
Y (x10^3)
Normal
m/z
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

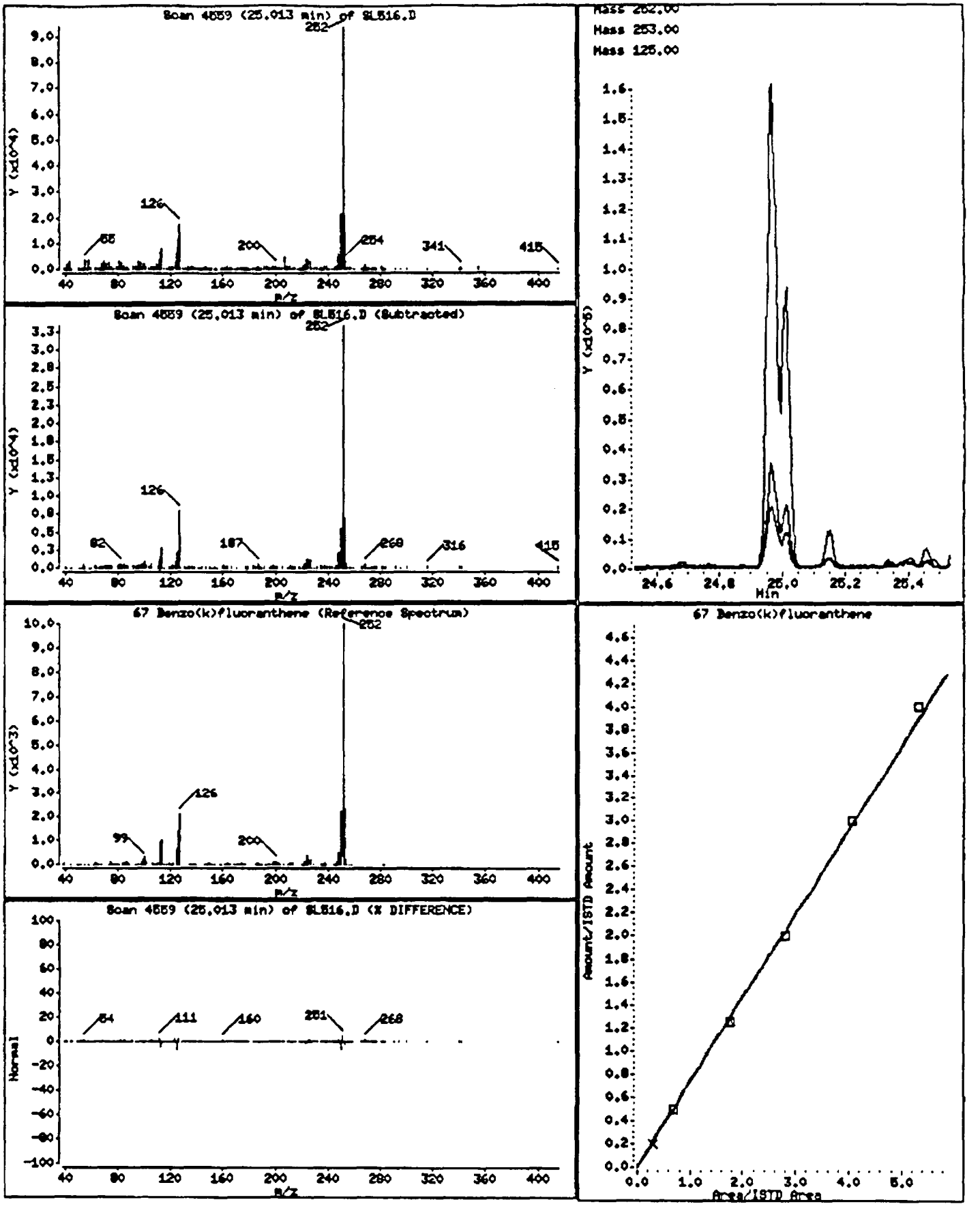
64 bis(2-ethylhexyl)Phthalate



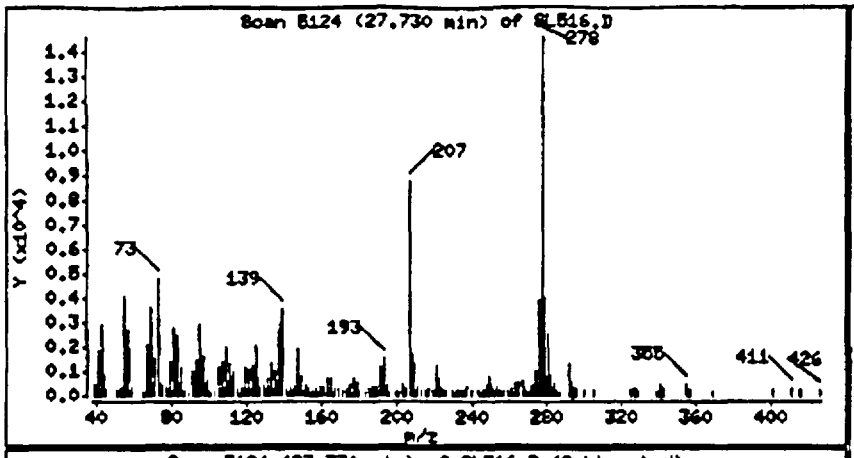
66 Benzo(b)fluoranthene

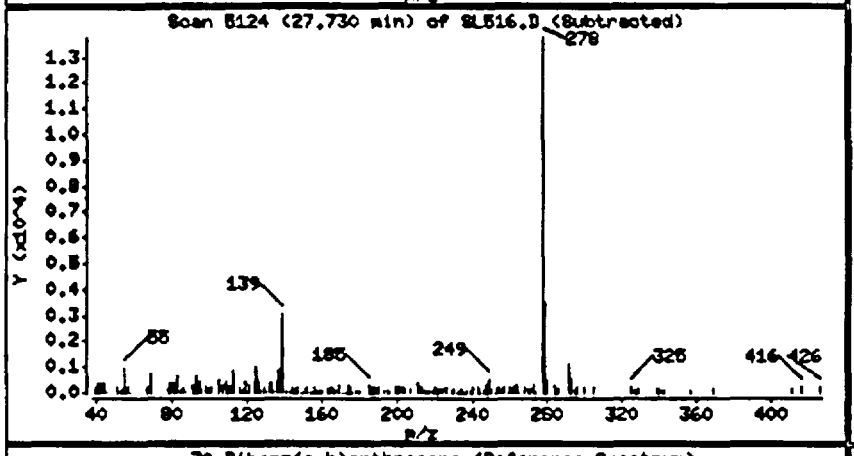


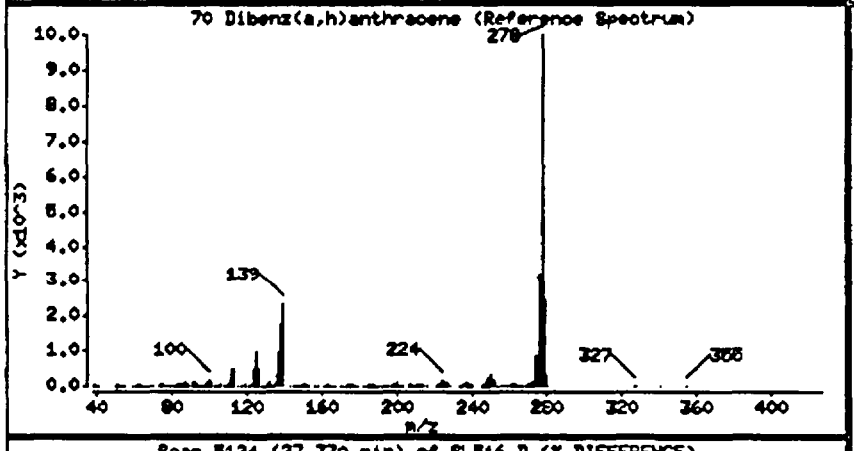
67 Benzo(k)fluoranthene

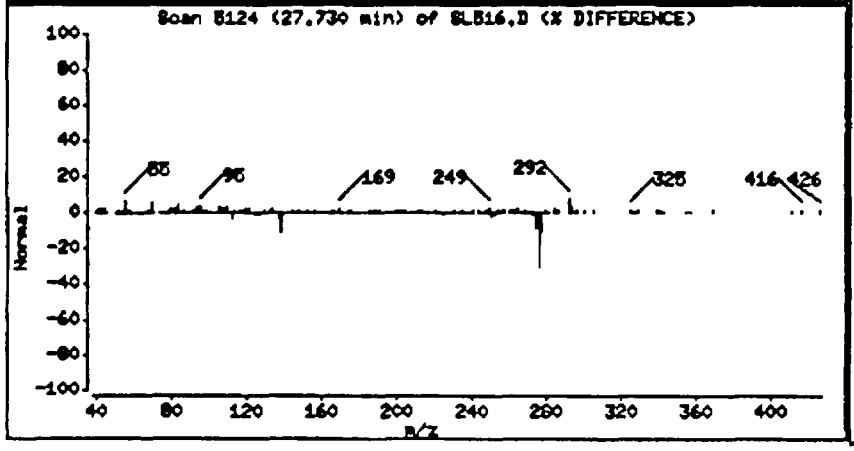


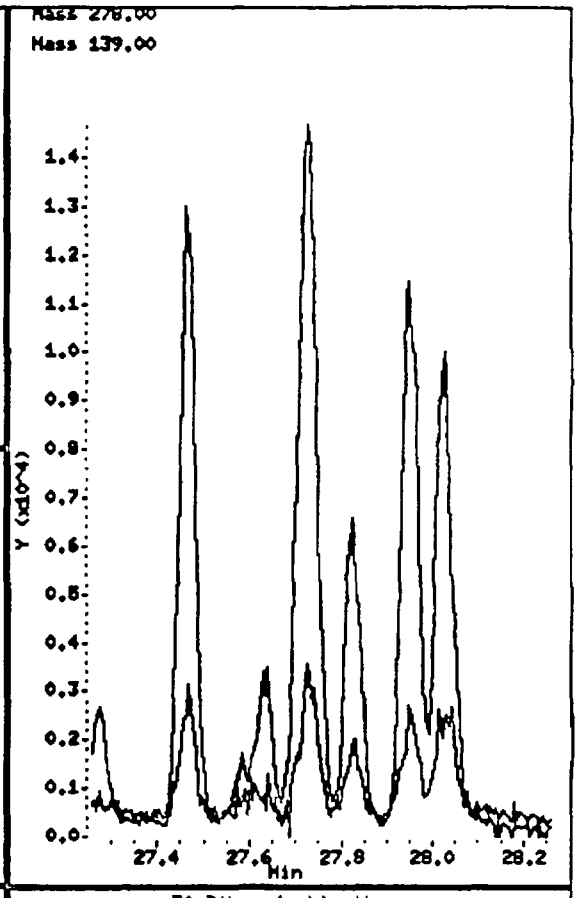
70 Dibenz(a,h)anthracene

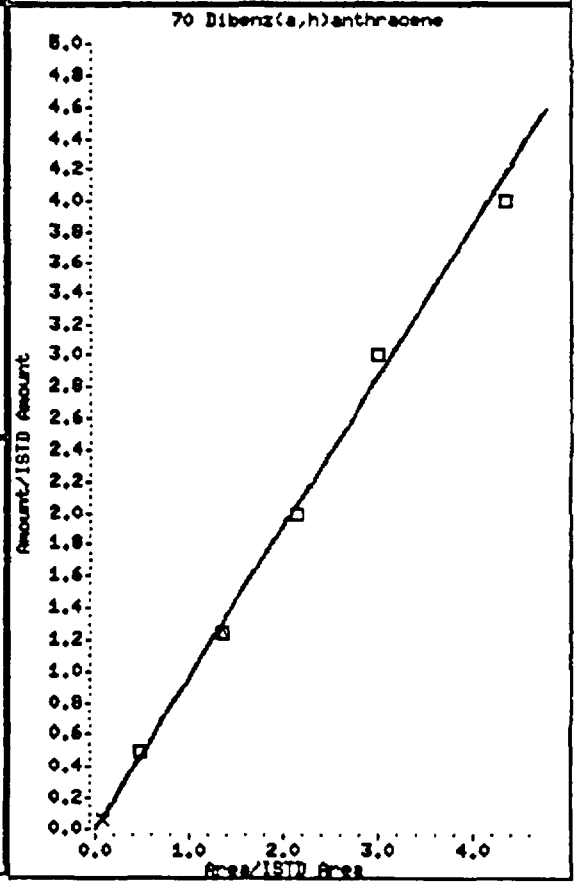












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D
Lab Smp Id: DJRNG10U Client Smp ID: SL51-6"
Inj Date : 30-SEP-2000 02:52
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrng10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.030	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.932	2049835	40.000
* 2 Naphthalene-d8	10.413	2752204	40.000
* 4 Phenanthrene-d10	17.227	3080719	40.000
* 5 Chrysene-d12	22.854	3374031	40.000
* 6 Perylene-d12	25.657	1699380	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate				CAS #:			
5.186	2775236	54.1553052	900	99		0	1
Unknown				CAS #:			
10.284	786270	11.4274959	190	0		0	2
Unknown				CAS #:			
18.531	640055	8.31046689	140	0		0	4
Unknown PAH				CAS #:			
18.584	333012	4.32381625	72	99		0	4
Aldrin-R				CAS #: 309-00-2			
18.959	310313	4.02909775	67	91	NBS75K.1	73856	4
Unknown				CAS #:			
19.526	476564	6.18769951	100	0		0	4
Chlordane				CAS #: 57-74-9			
20.036	484791	6.29451988	100	99	NBS75K.1	74296	4
Unknown PAH				CAS #:			
20.781	399011	4.73037245	79	99		0	5
Unknown PAH				CAS #:			
20.950	383076	4.54146103	76	99		0	5
Unknown PAH				CAS #:			
22.383	340441	4.03600974	67	99		0	5
Unknown Hydrocarbon				CAS #:			
24.128	353744	4.19371870	70	99		0	5
Unknown Hydrocarbon				CAS #:			
25.378	404036	9.51019606	160	99		0	6
Unknown				CAS #:			
25.763	268291	6.31503885	100	0		0	6
Unknown Hydrocarbon				CAS #:			
25.970	305264	7.18529206	120	99		0	6
Cholesterol				CAS #: 57-88-5			
27.009	386082	9.08759614	150	96	NBS75K.1	74137	6

RT	AREA	CONCENTRATIONS ON-COL(MG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
27.105	559648	13.1729800	220	0		0	6
Unknown Hydrocarbon				CAS #:			
27.321	323146	7.60621451	130	99		0	6
Unknown				CAS #:			
27.437	331851	7.81111700	130	0		0	6
Unknown				CAS #:			
27.841	517203	12.1739216	200	0		0	6
Unknown PAH				CAS #:			
27.951	285018	6.70874827	110	99		0	6
Unknown				CAS #:			
28.052	1264590	29.7659184	500	0		0	6
Unknown				CAS #:			
28.288	318555	7.49815020	120	0		0	6
Unknown				CAS #:			
28.610	1582699	37.2535487	620	0		0	6
Unknown				CAS #:			
28.749	721913	16.9923933	280	0		0	6
Unknown				CAS #:			
29.134	460199	10.8321502	180	0		0	6
Unknown				CAS #:			
31.014	257116	6.05199203	100	0		0	6

Data File: \\wpanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90,sub

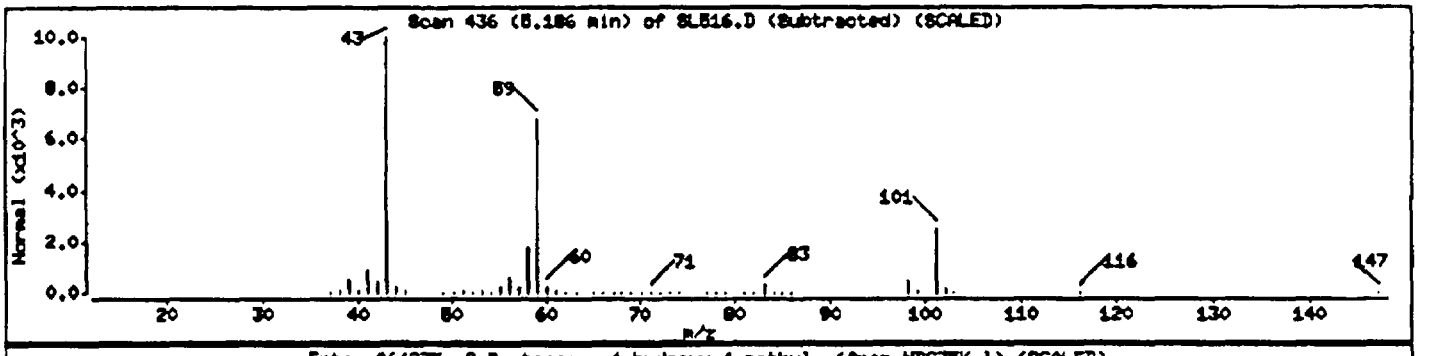
Volume Injected (uL): 2.0

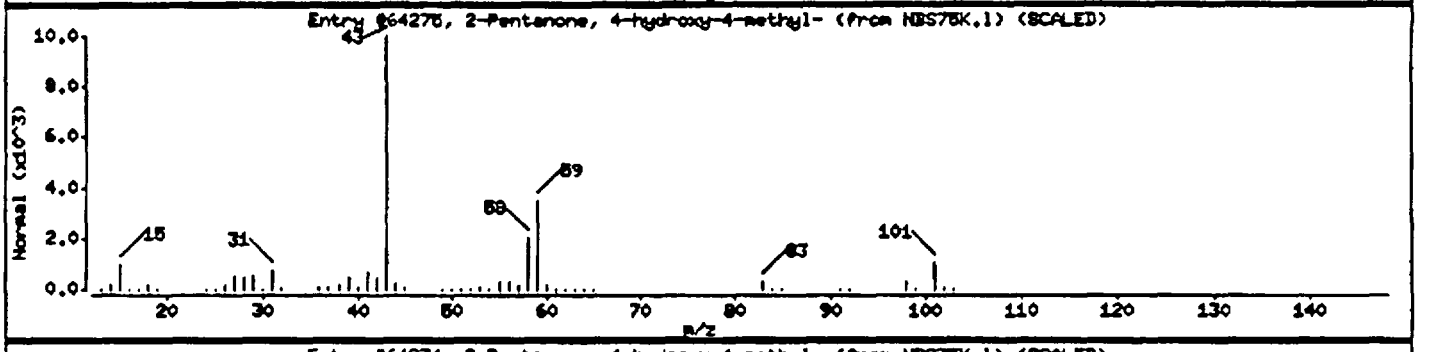
Operator: 001574

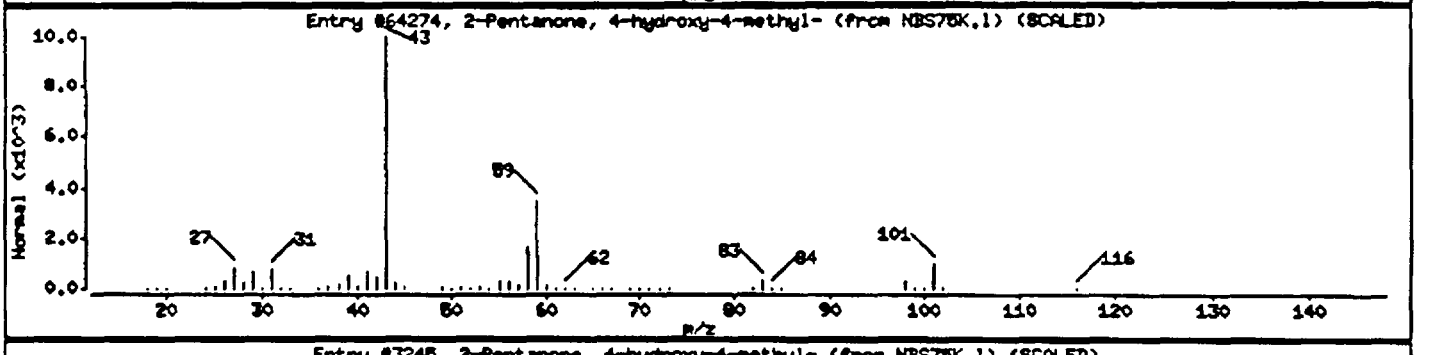
Column phase:

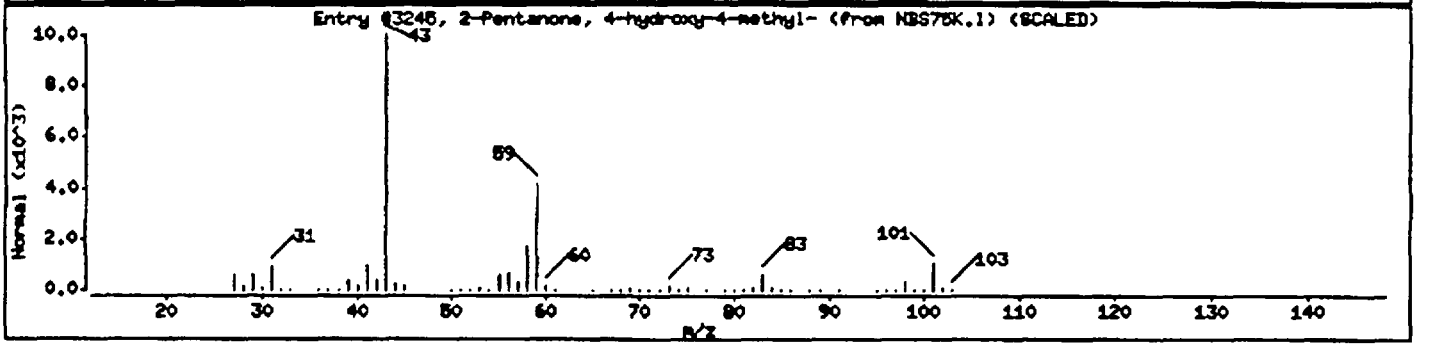
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	47	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	38	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	33	C6H12O2	116









Data File: \\qoanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a,b,olp31,1-olp90,sub

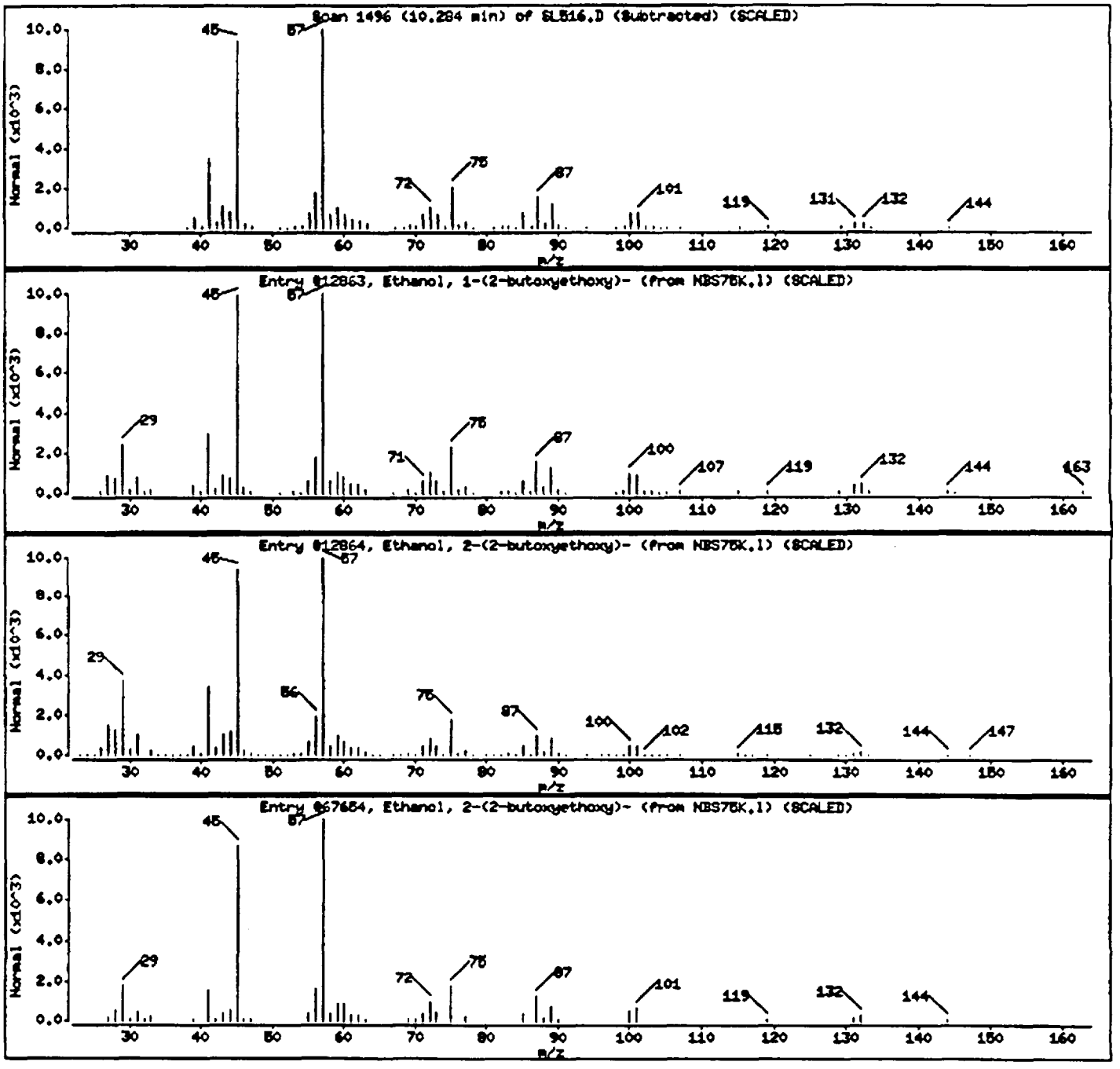
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.1	12863	90	C6H14O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	12864	90	C6H14O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	67654	53	C6H14O3	162



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90.sub

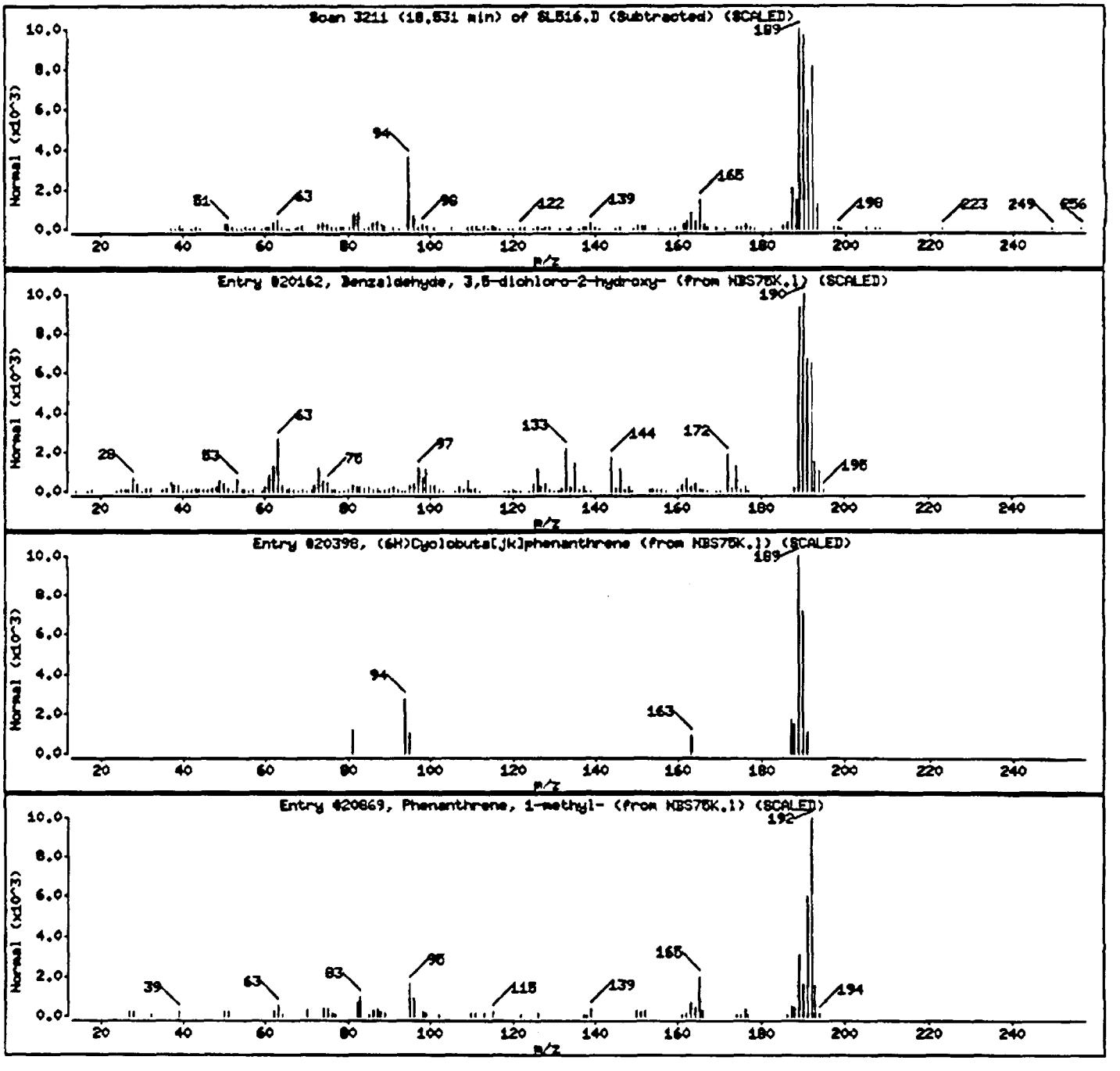
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzaldehyde, 3,5-dichloro-2-hydroxy-	90-60-8	NBS75K.l	20162	64	C7H4Cl2O2	190
(6H)Cyclobuta[jk]phenanthrene	0-00-0	NBS75K.l	20398	49	C15H10	190
Phenanthrene, 1-methyl-	832-69-9	NBS75K.l	20869	42	C15H12	192



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90.sub

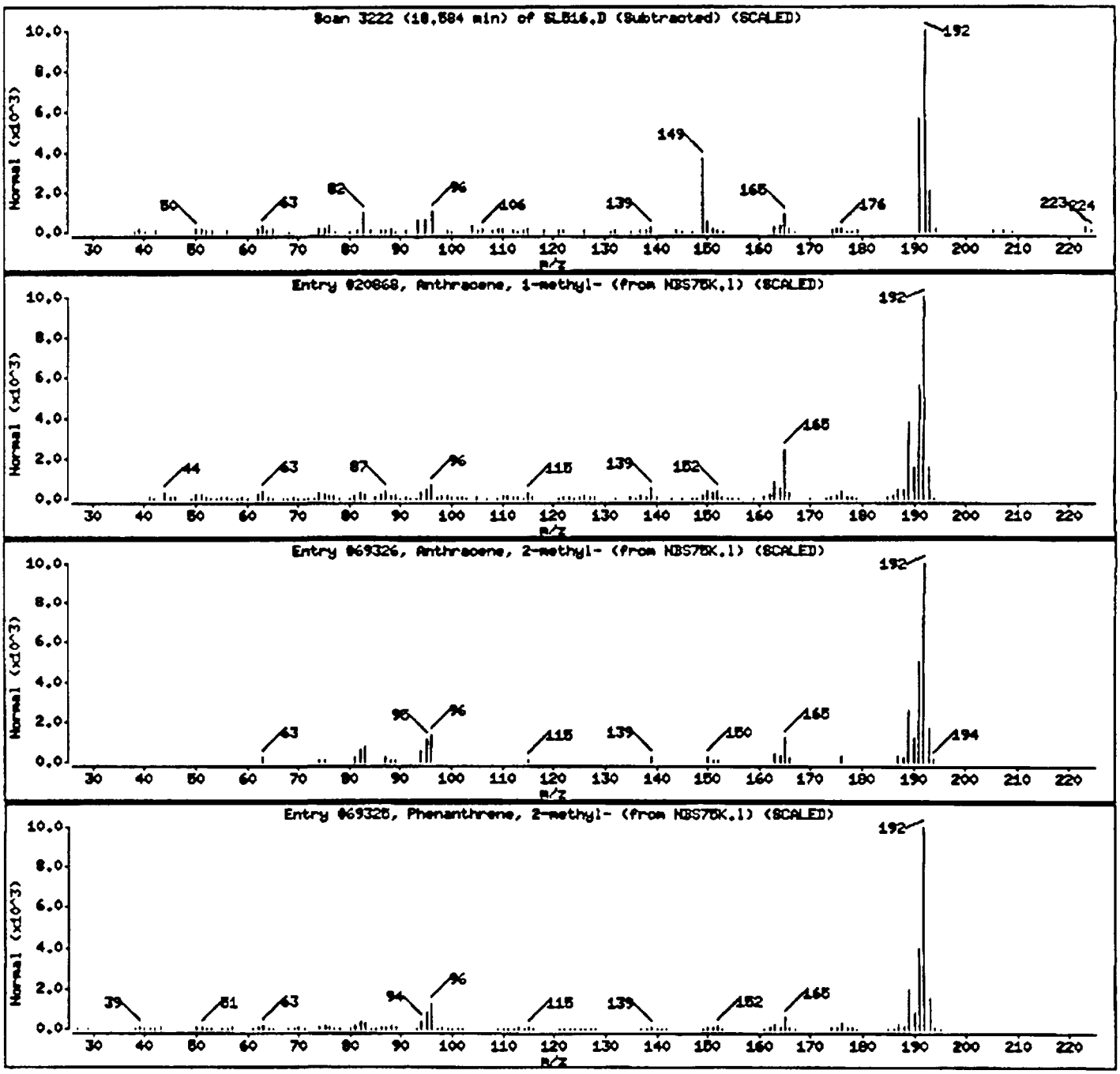
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Anthracene, 1-methyl-	610-48-0	NBS75K.l	20868	74	C15H12	192
Anthracene, 2-methyl-	613-12-7	NBS75K.l	69326	72	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NBS75K.l	69325	72	C15H12	192



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90,sub

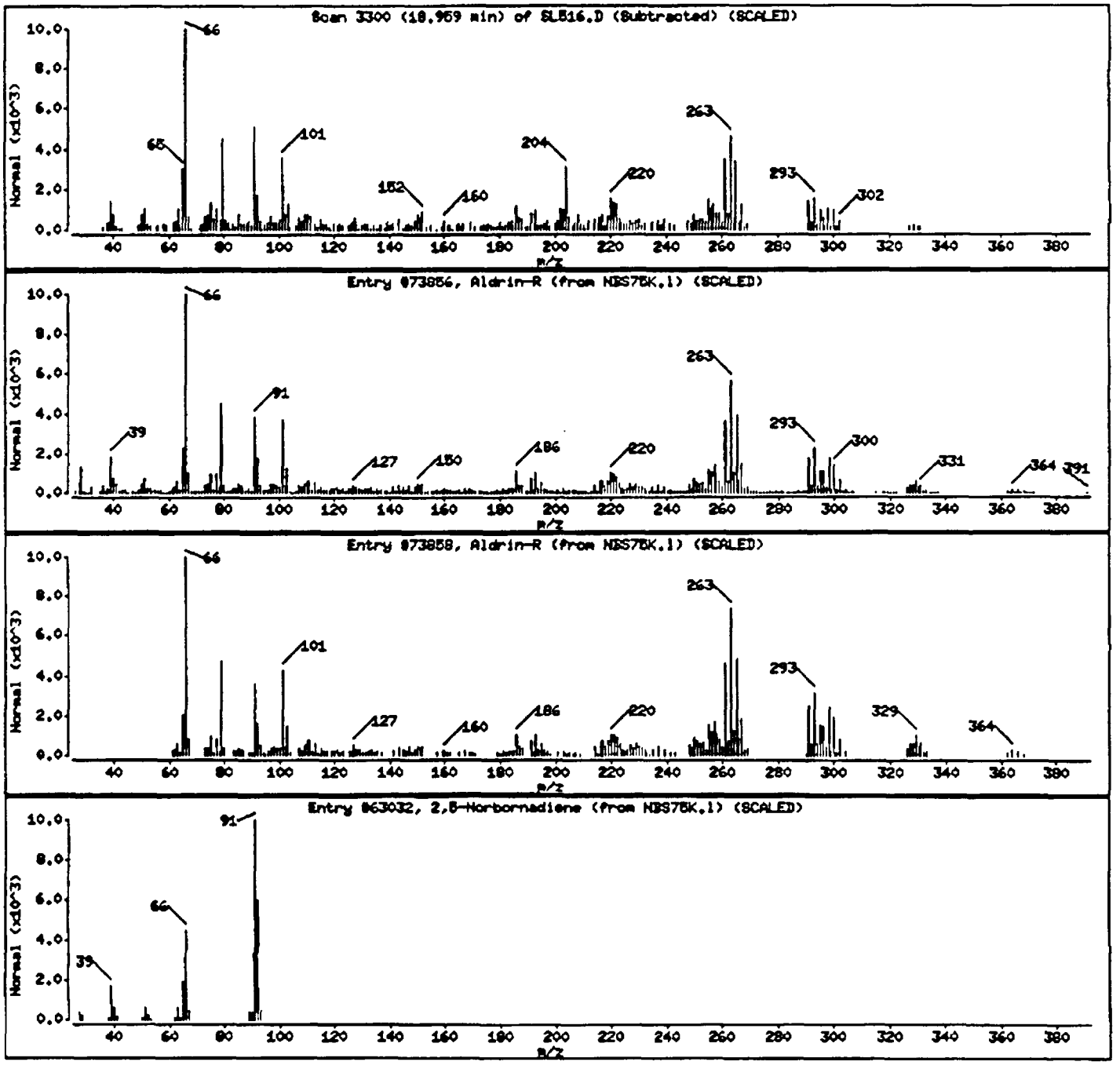
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Aldrin-R	309-00-2	NBS75K.l	73856	91	C12H8Cl6	362
Aldrin-R	309-00-2	NBS75K.l	73858	90	C12H8Cl6	362
2,5-Norbornadiene	121-46-0	NBS75K.l	63032	70	C7H8	92



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a,b,clp31,i-clp90,sub

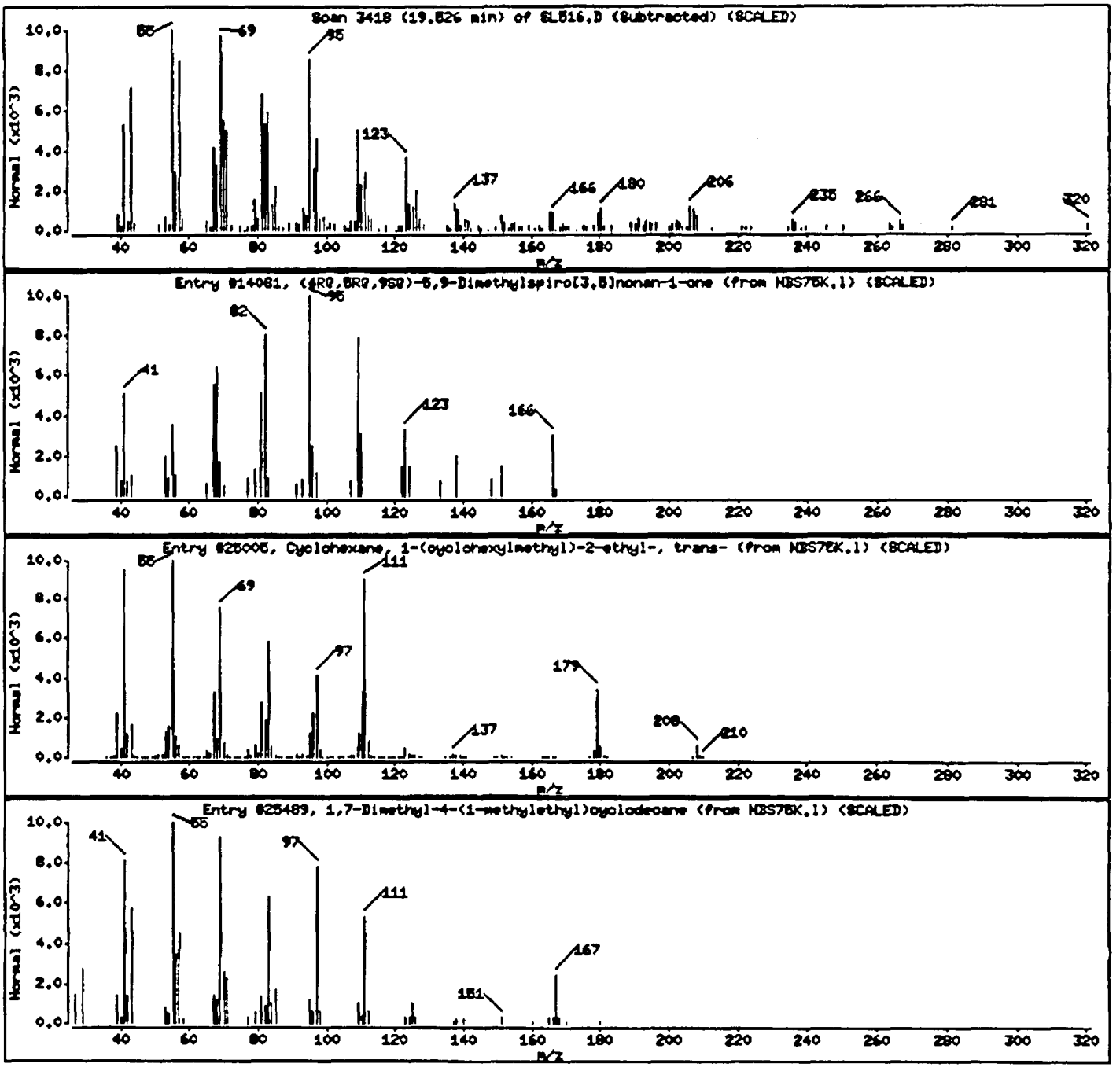
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
(4RQ,5RQ,9SQ)-5,9-Dimethylspiro[3,5]nona	0-00-0	NBS75K.l	14081	46	C11H18O	166
Cyclohexane, 1-(cyclohexylmethyl)-2-ethy	54934-92-8	NBS75K.l	25005	41	C15H28	208
1,7-Dimethyl-4-(1-methylethyl)cyclodecan	645-10-3	NBS75K.l	25489	27	C15H30	210



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,clp31,1-clp90,sub

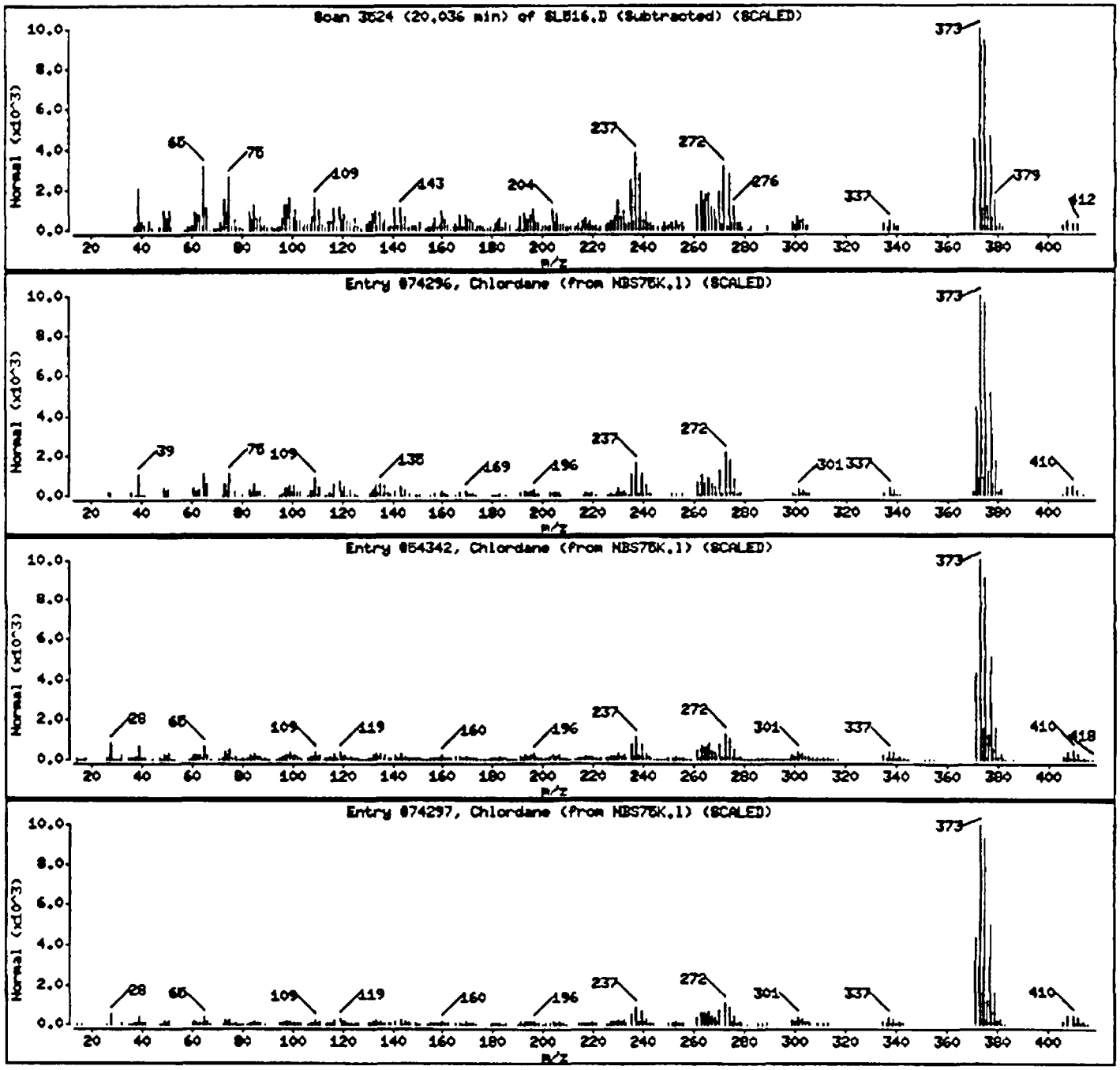
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlordane	57-74-9	NBS75K.1	74296	99	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.1	54342	99	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.1	74297	95	C10H6Cl8	406



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90.sub

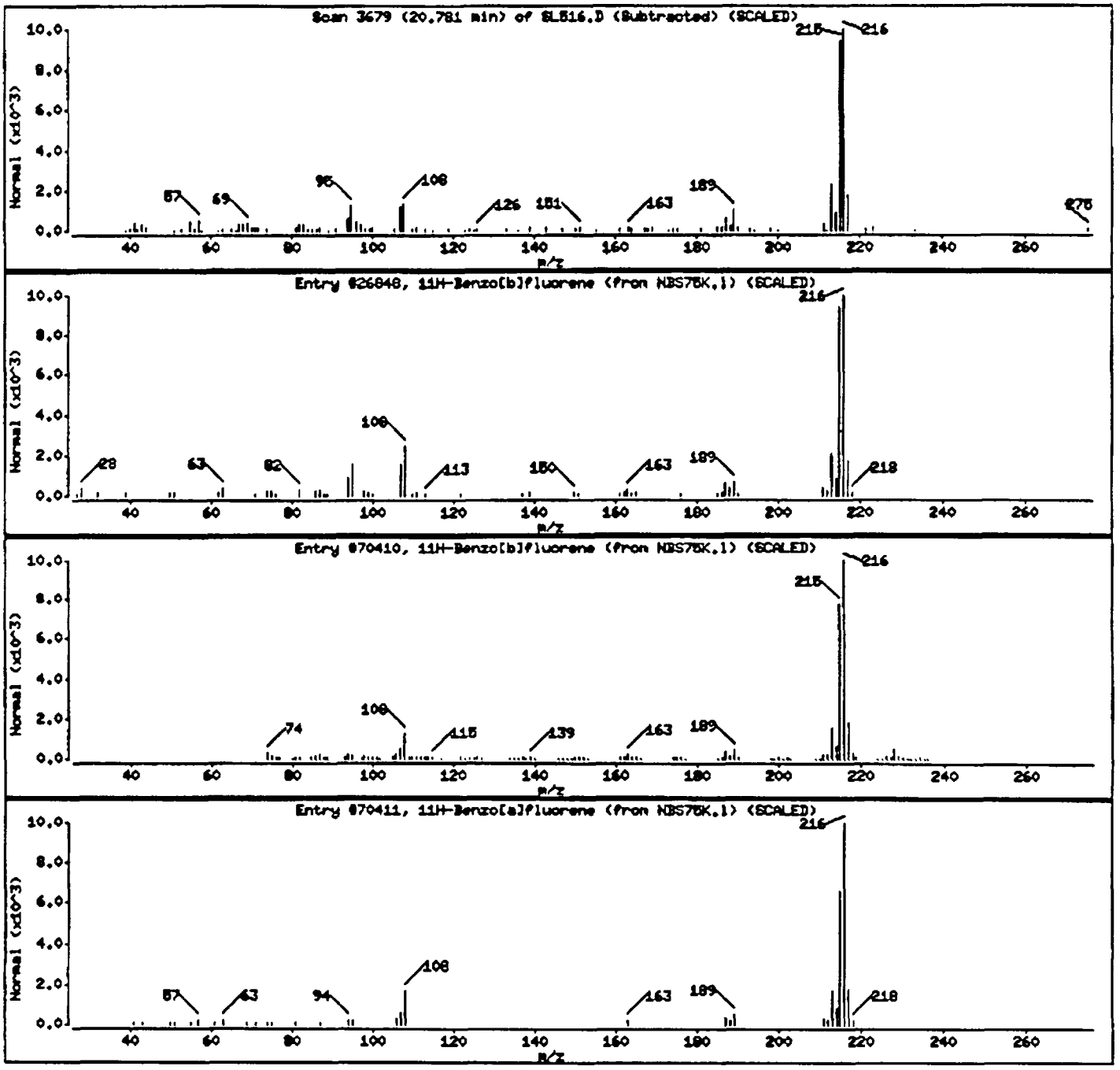
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
11H-Benzo[b]fluorene	243-17-4	NBS75K.1	26848	93	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NBS75K.1	70410	90	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NBS75K.1	70411	87	C17H12	216



Data File: \\qcanoh05\dd\ohem\MSS\a4hp8.i\00929a.b\SLB16.D

Date : 30-SEP-2000 02:52

Client ID: SLB1-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,i-olp90.sub

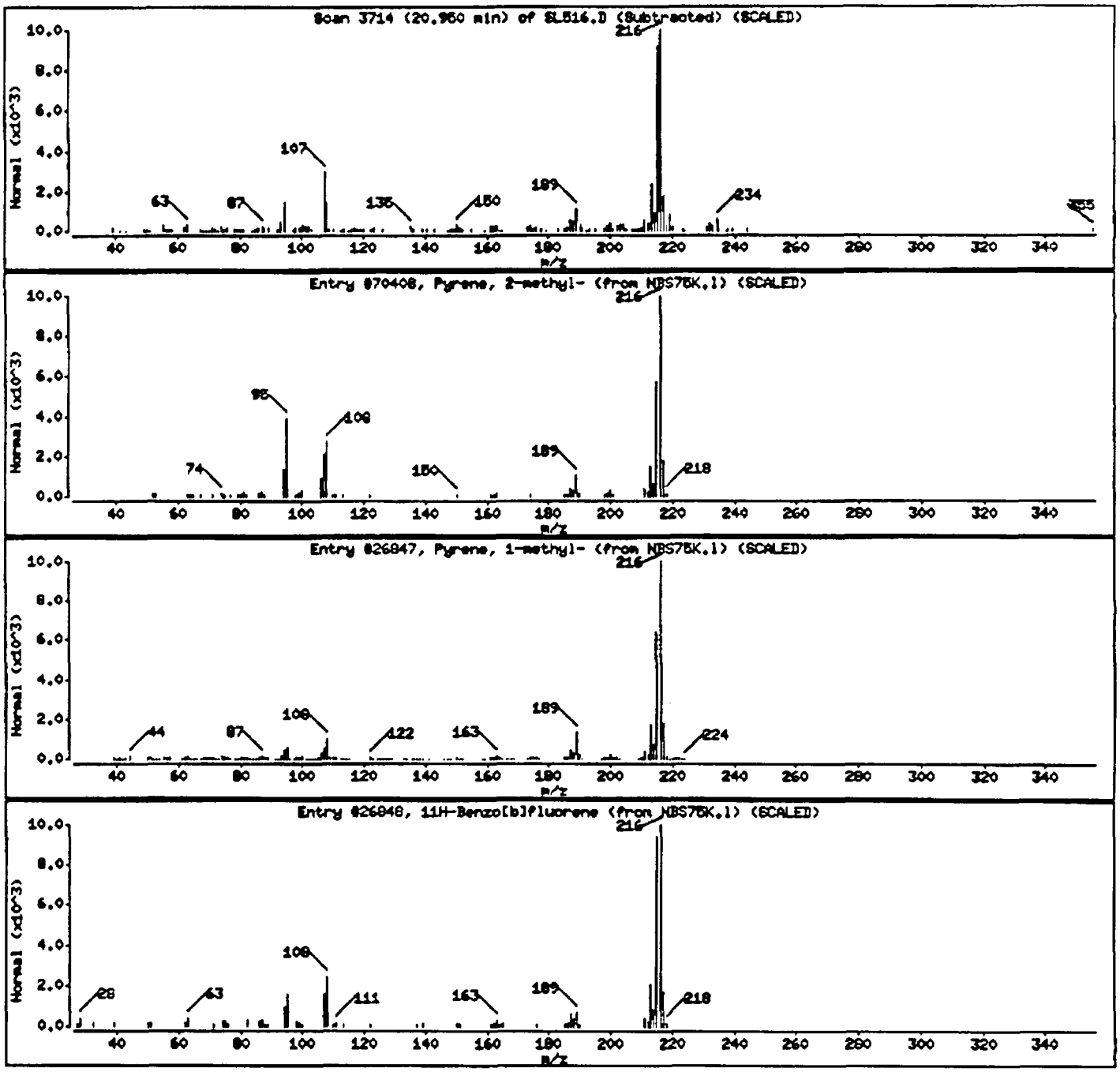
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Pyrene, 2-methyl-	3442-78-2	NBS75K.l	70408	96	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NBS75K.l	26847	93	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NBS75K.l	26848	90	C17H12	216



Data File: \\mcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a,b,clp31,1-clp90,sub

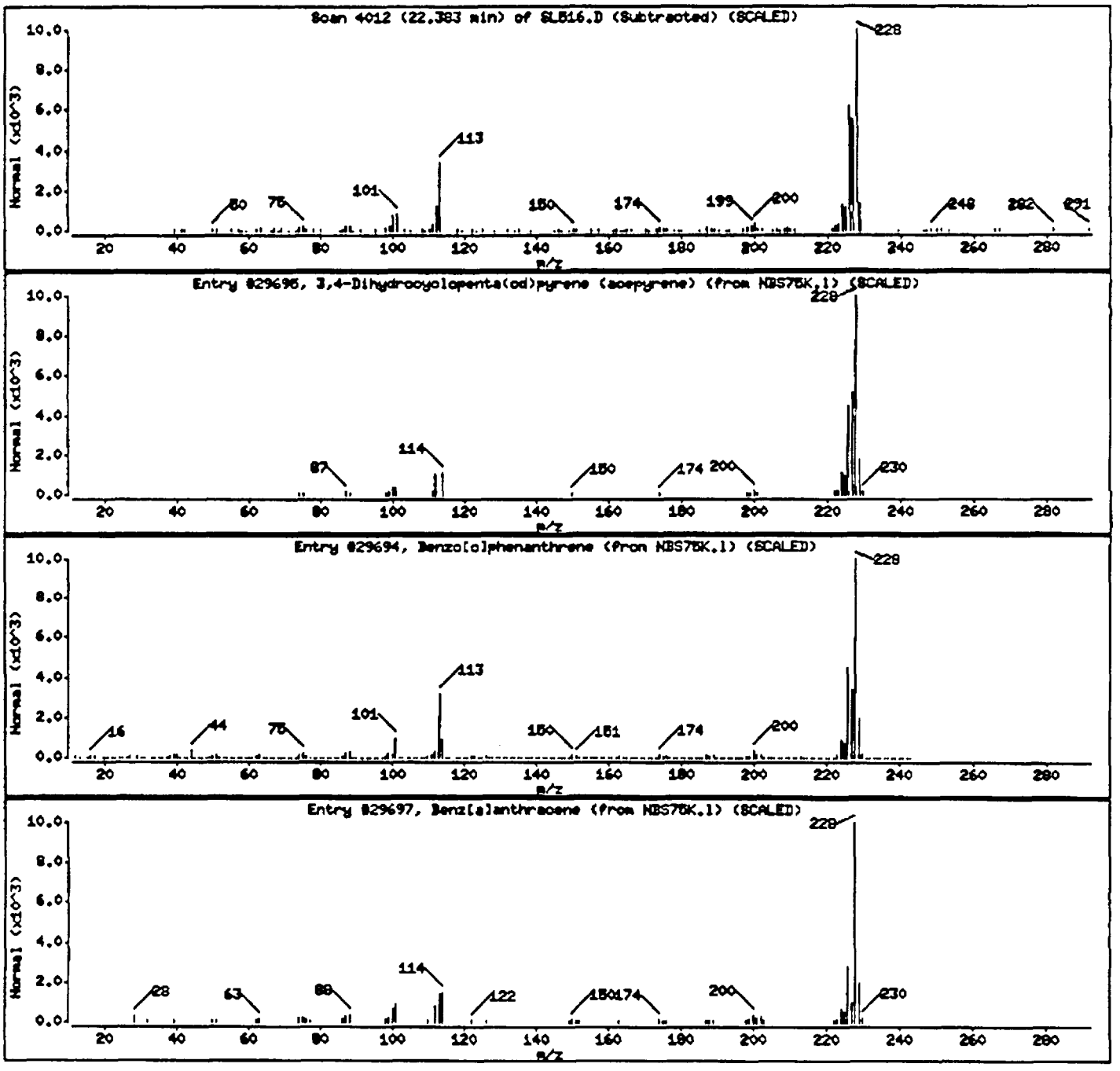
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
3,4-Dihydrocyclopenta(cd)pyrene (acepyre	25732-74-5	NBS75K.l	29696	64	C18H12	228
Benzo[c]phenanthrene	195-19-7	NBS75K.l	29694	49	C18H12	228
Benz[a]anthracene	56-55-3	NBS75K.l	29697	46	C18H12	228



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,i-olp90,sub

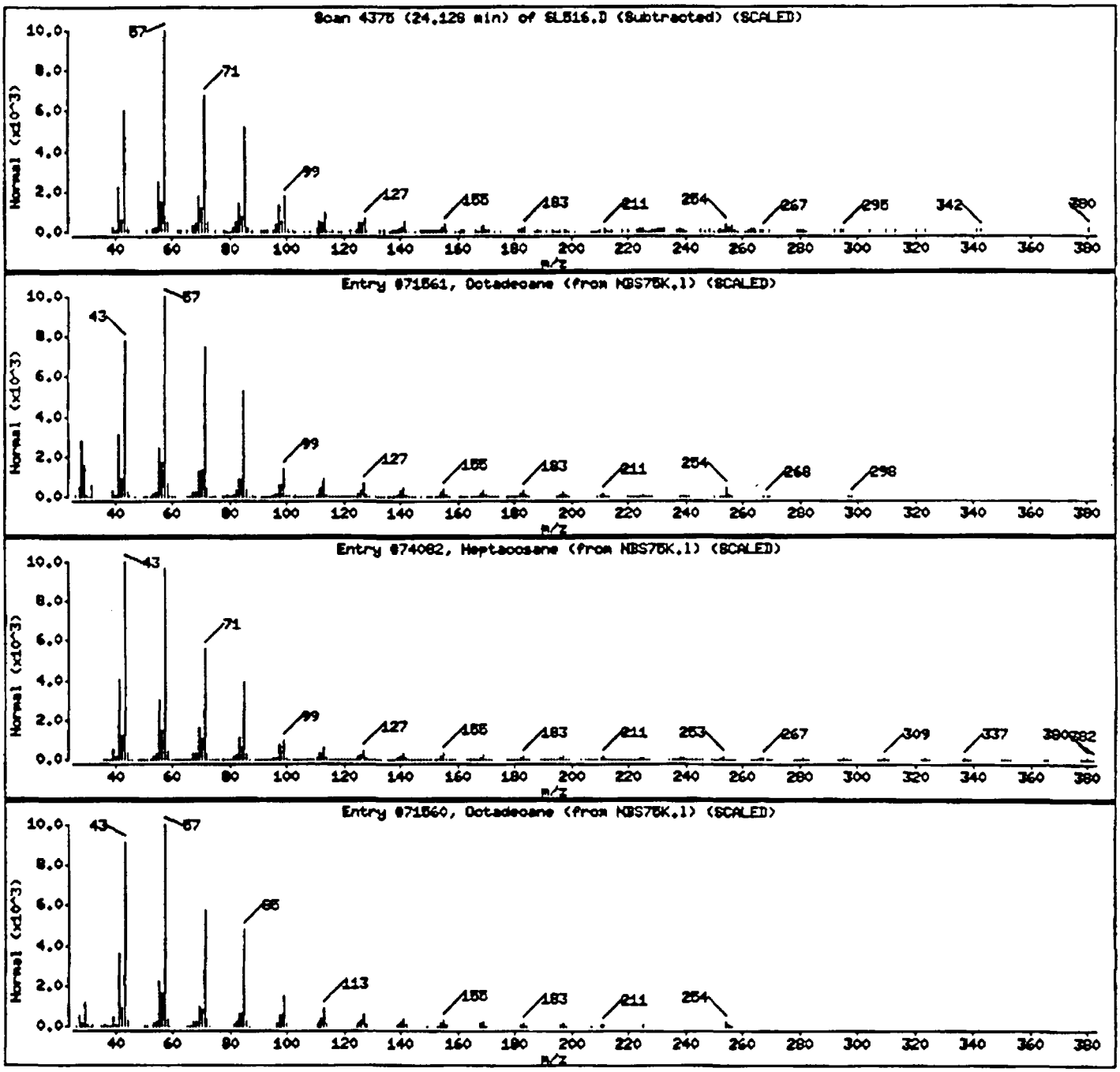
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71561	98	C18H38	254
Heptacosane	593-49-7	NBS75K.l	74082	97	C27H56	380
Octadecane	593-45-3	NBS75K.l	71560	93	C18H38	254



Data File: \\qoanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6"

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,clp31,i-clp90,sub

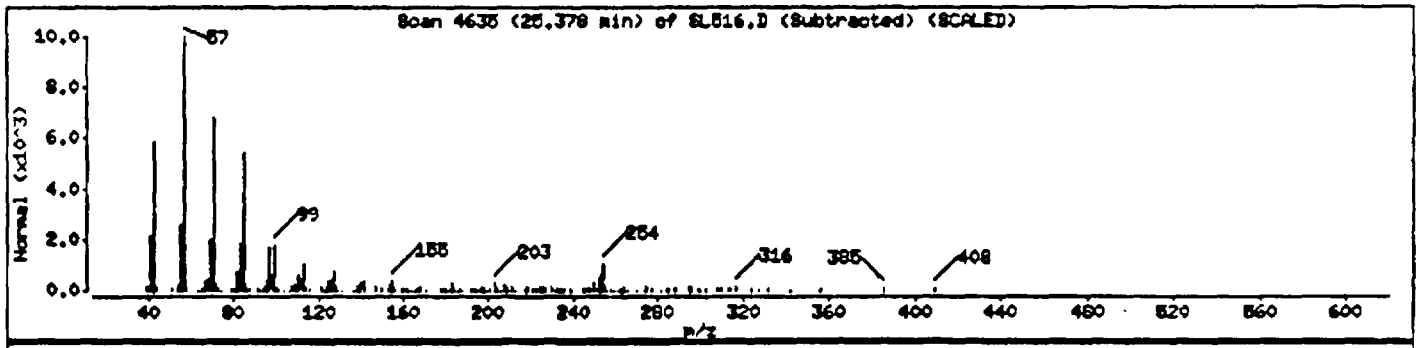
Volume Injected (uL): 2.0

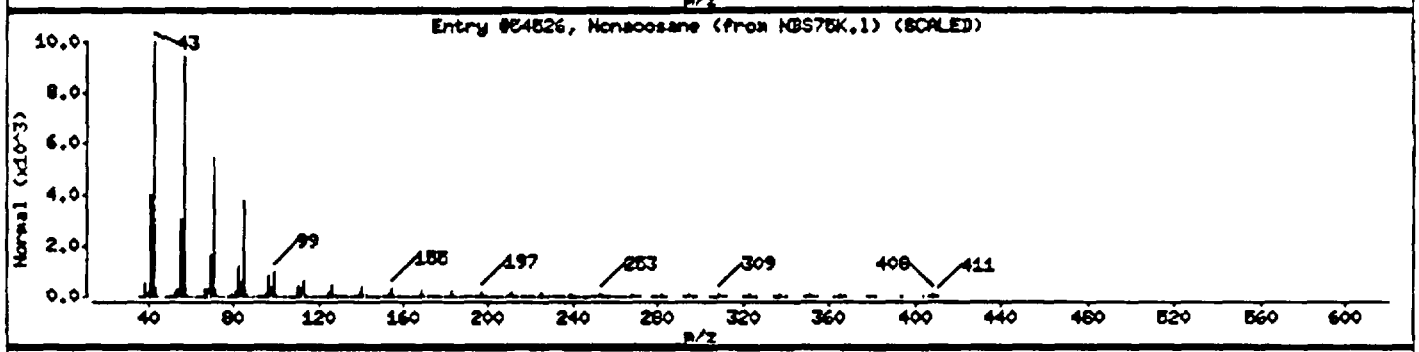
Operator: 001574

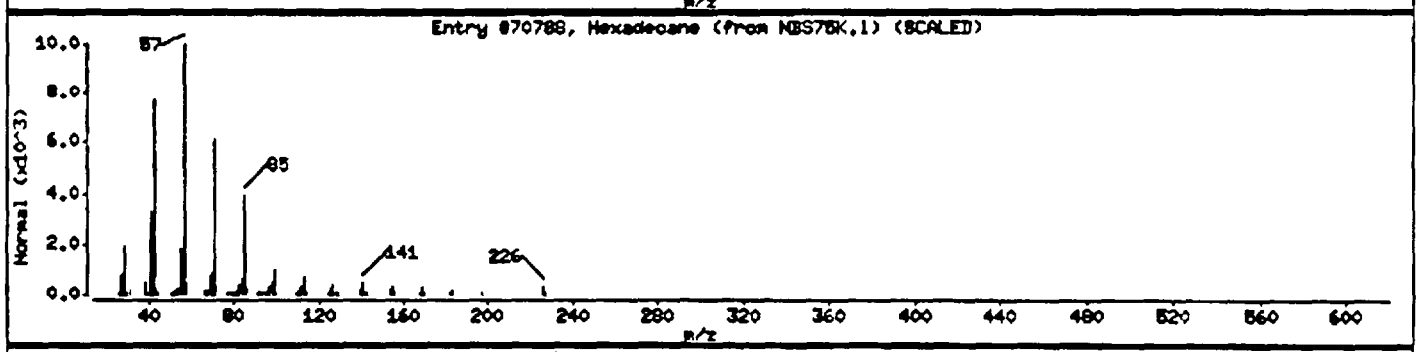
Column phase:

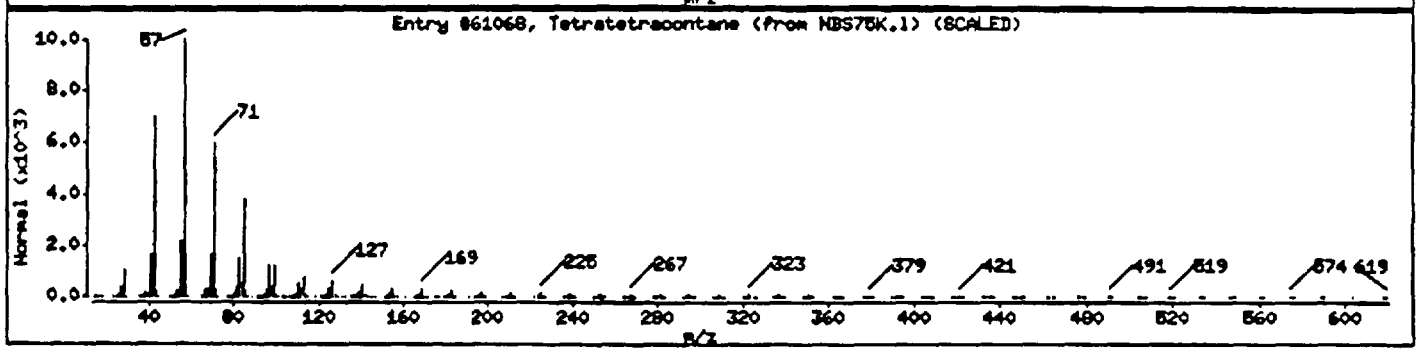
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonacosane	630-03-5	NBS75K.1	84526	93	C29H60	408
Hexadecane	544-76-3	NBS75K.1	70788	90	C16H34	226
Tetratetracontane	7098-22-8	NBS75K.1	61068	87	C44H90	619









Data File: \\epanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90.sub

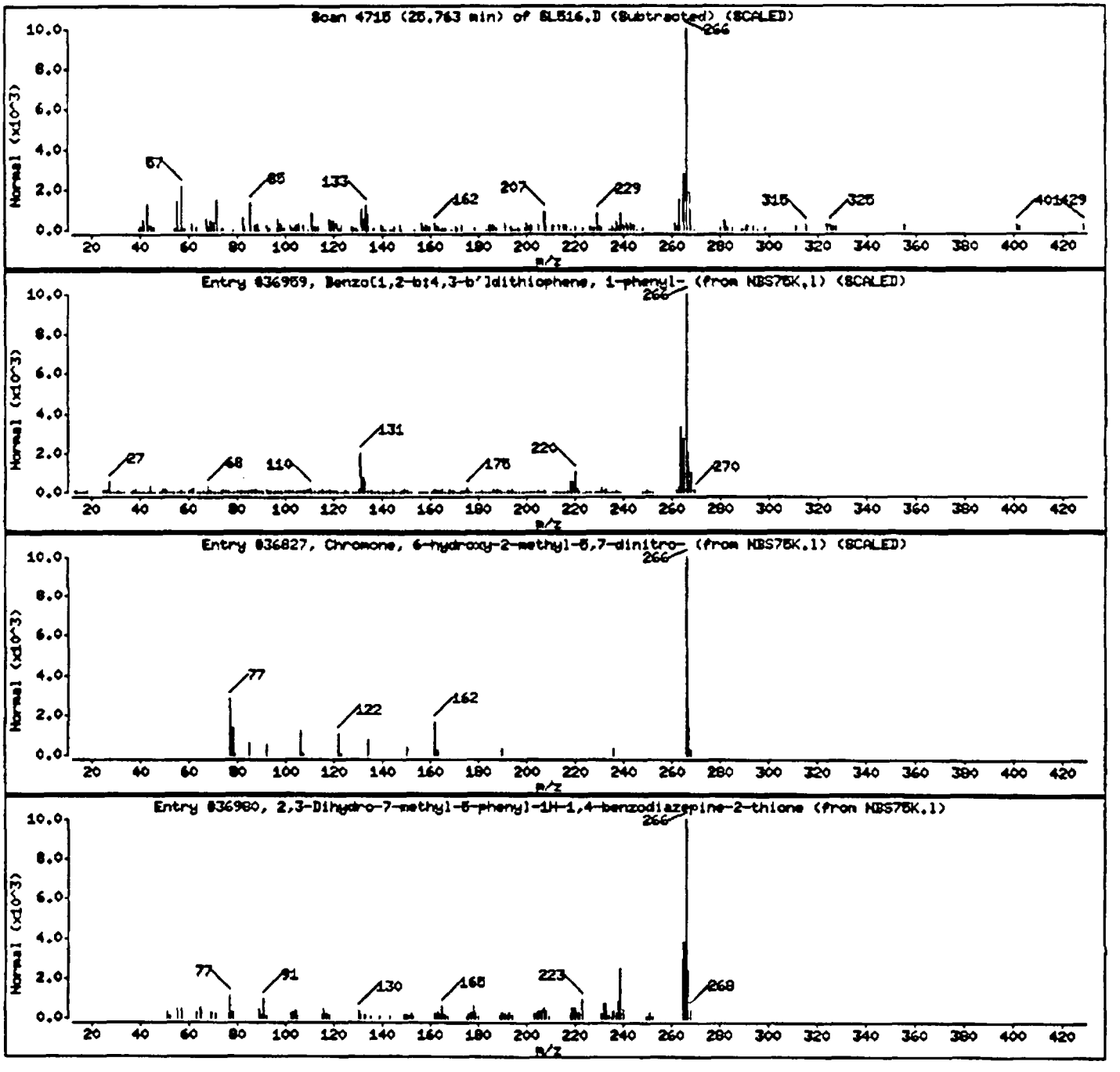
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzo[1,2-b:4,3-b']dithiophene, 1-phenyl	16587-68-9	NBS75K.l	36969	64	C16H10S2	266
Chromone, 6-hydroxy-2-methyl-8,7-dinitro	30253-11-3	NBS75K.l	36827	47	C10H6N2O7	266
2,3-Dihydro-7-methyl-5-phenyl-1H-1,4-ben	2888-60-0	NBS75K.l	36980	45	C16H14N2S	266



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,i-olp90.sub

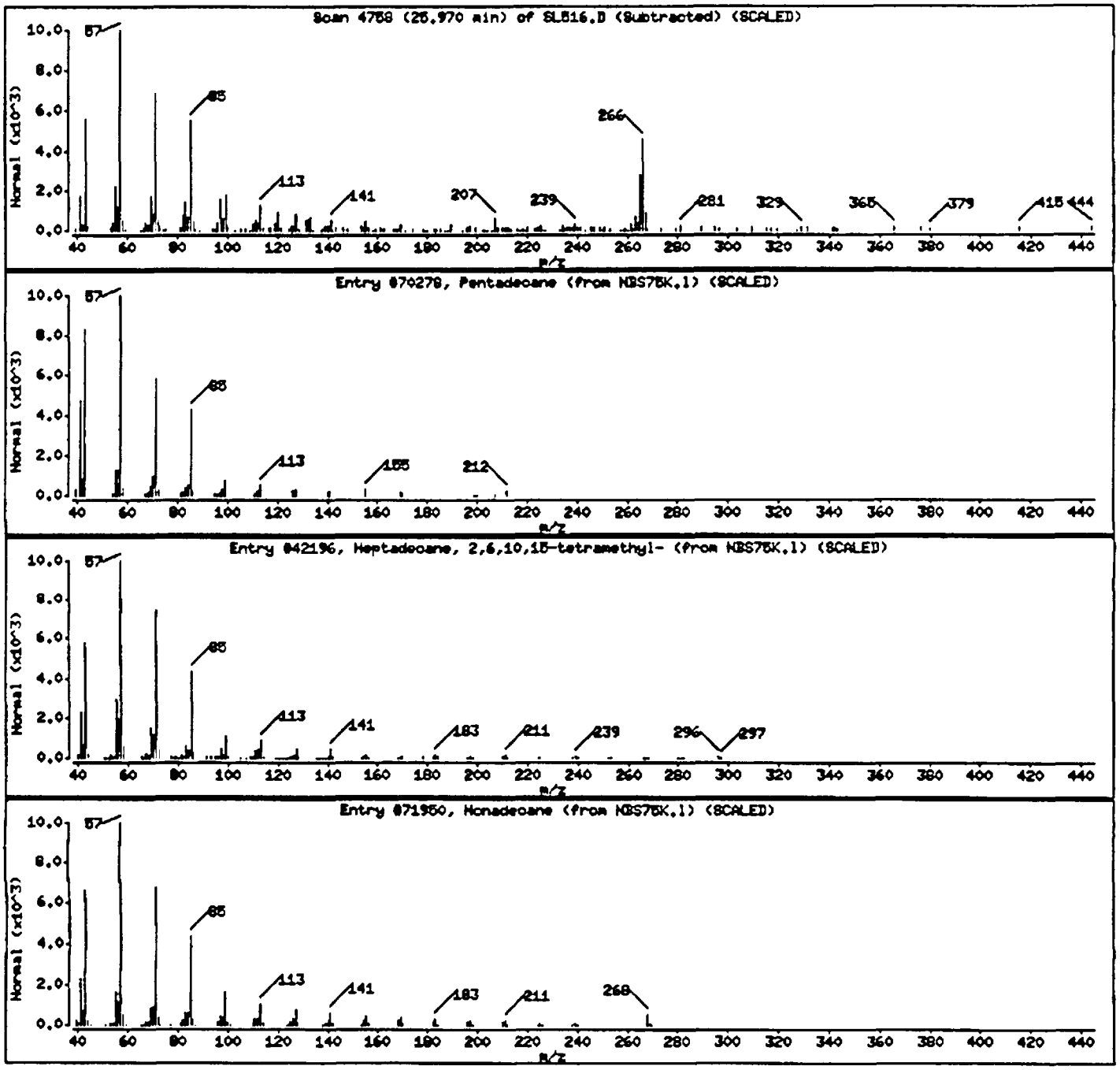
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane	629-62-9	NBS75K.l	70278	64	C15H32	212
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NBS75K.l	42196	64	C21H44	296
Nonadecane	629-92-5	NBS75K.l	71950	64	C19H40	268



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90.sub

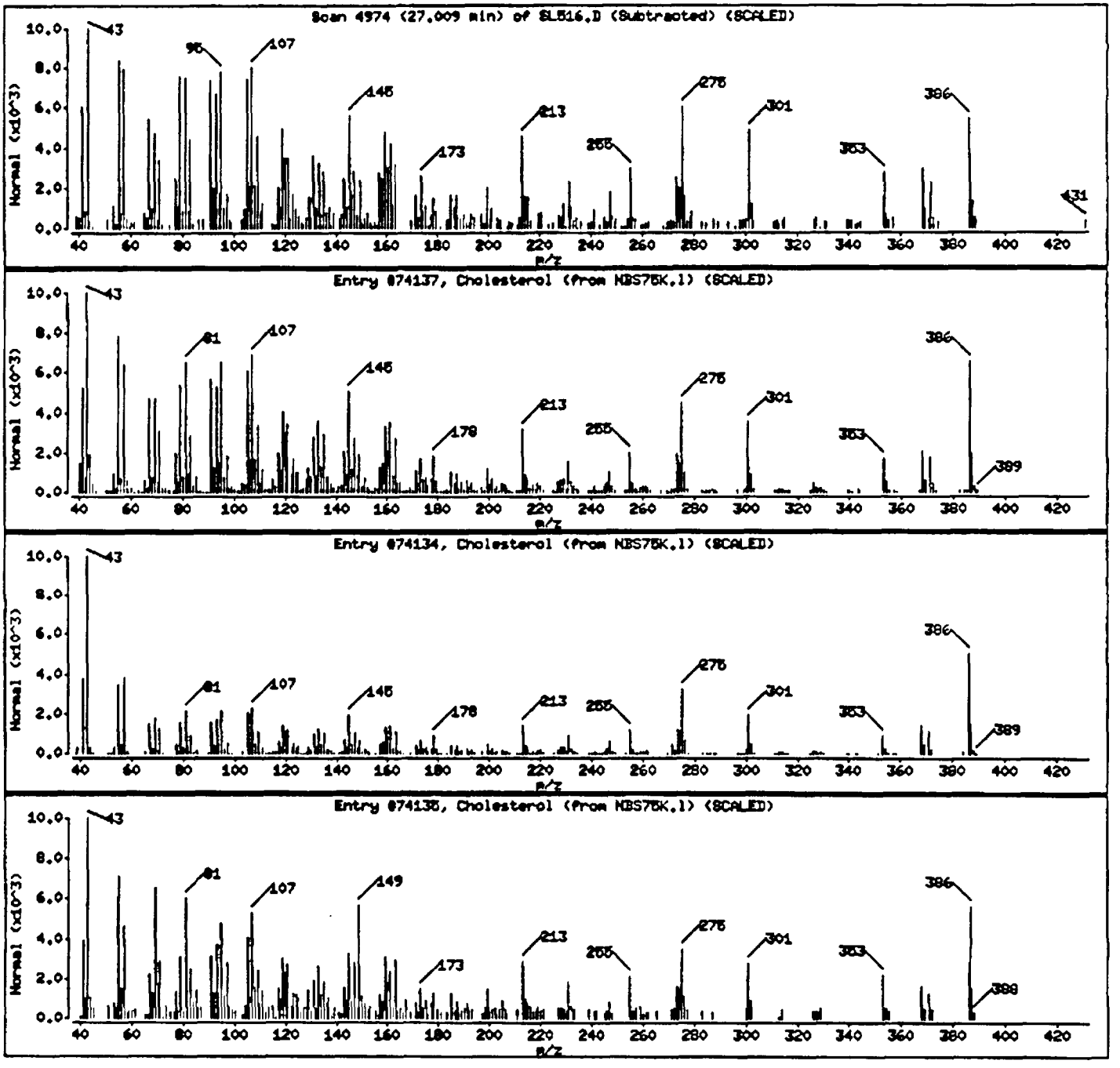
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.1	74137	96	C27H46O	386
Cholesterol	57-88-5	NBS75K.1	74134	94	C27H46O	386
Cholesterol	57-88-5	NBS75K.1	74135	90	C27H46O	386



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrmg10u,00929a.b,olp31,1-olp90.sub

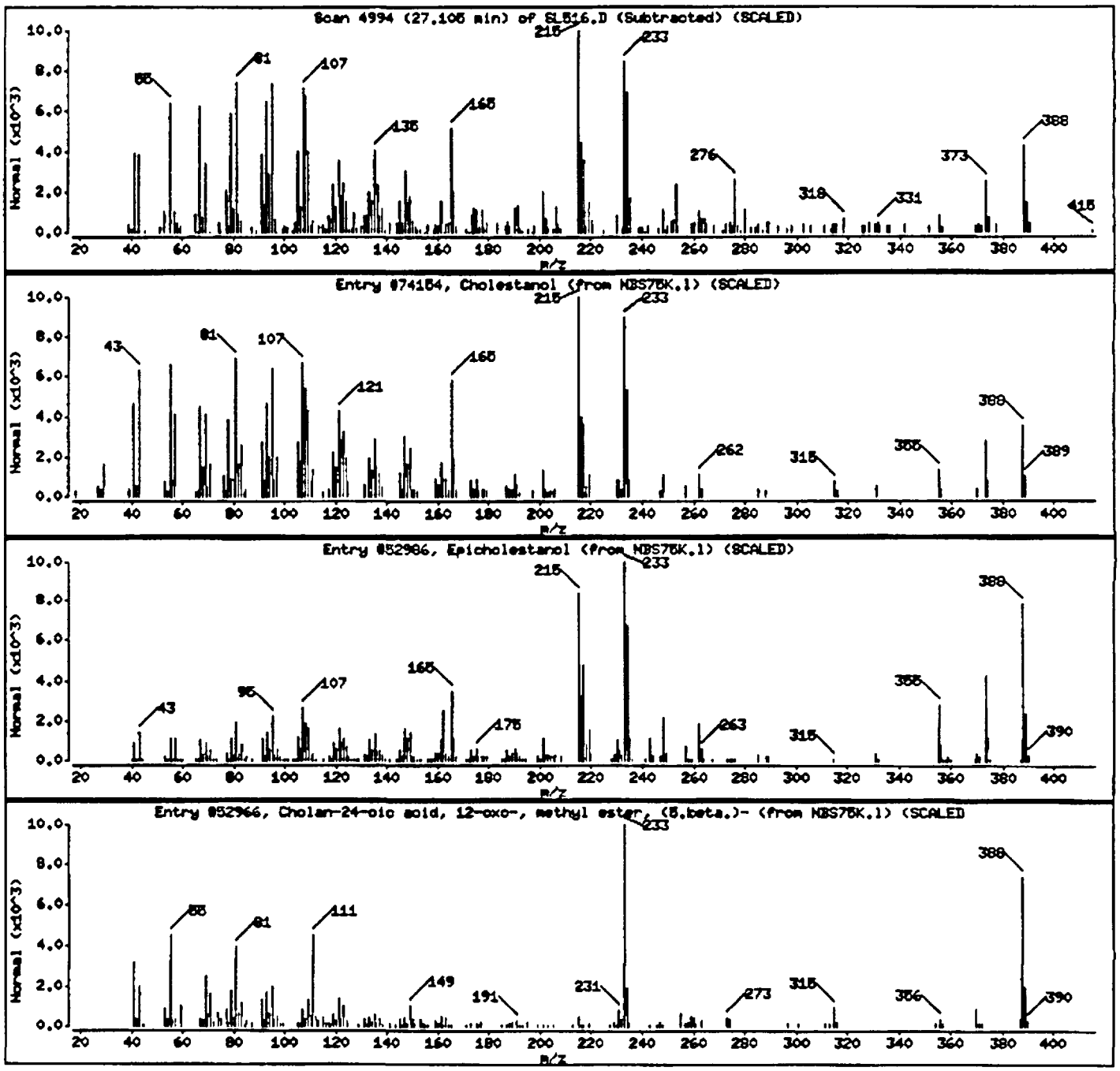
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestanol	80-97-7	NBS75K.l	74154	74	C27H480	388
Epicholestanol	516-95-0	NBS75K.l	52986	51	C27H480	388
Cholan-24-oic acid, 12-oxo-, methyl este	1173-30-4	NBS75K.l	52966	14	C25H4003	388



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,i-olp90.sub

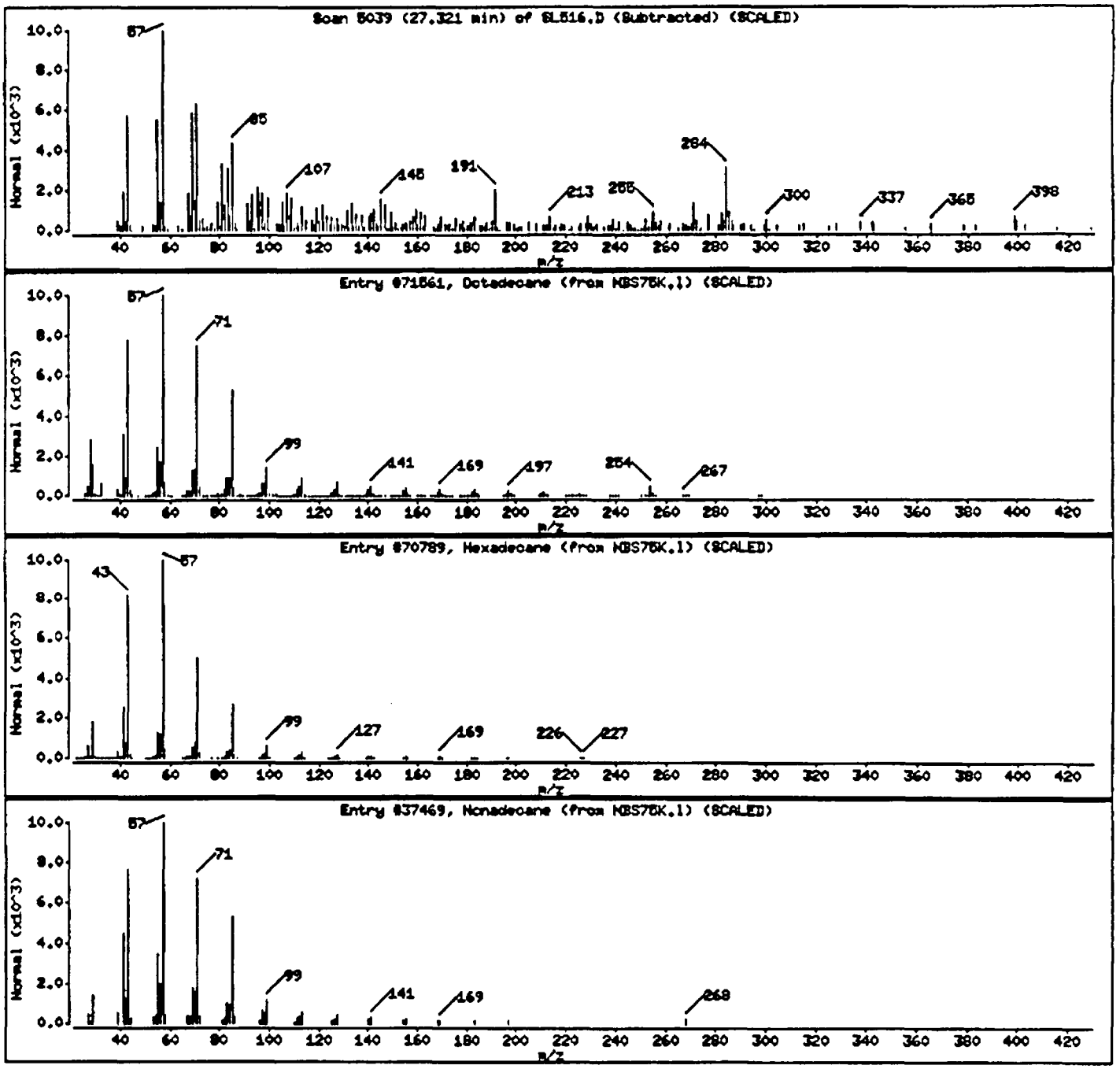
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.1	71561	90	C18H38	254
Hexadecane	544-76-3	NBS75K.1	70789	64	C16H34	226
Nonadecane	629-92-5	NBS75K.1	37469	64	C19H40	268



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,clp31,1-clp90.sub

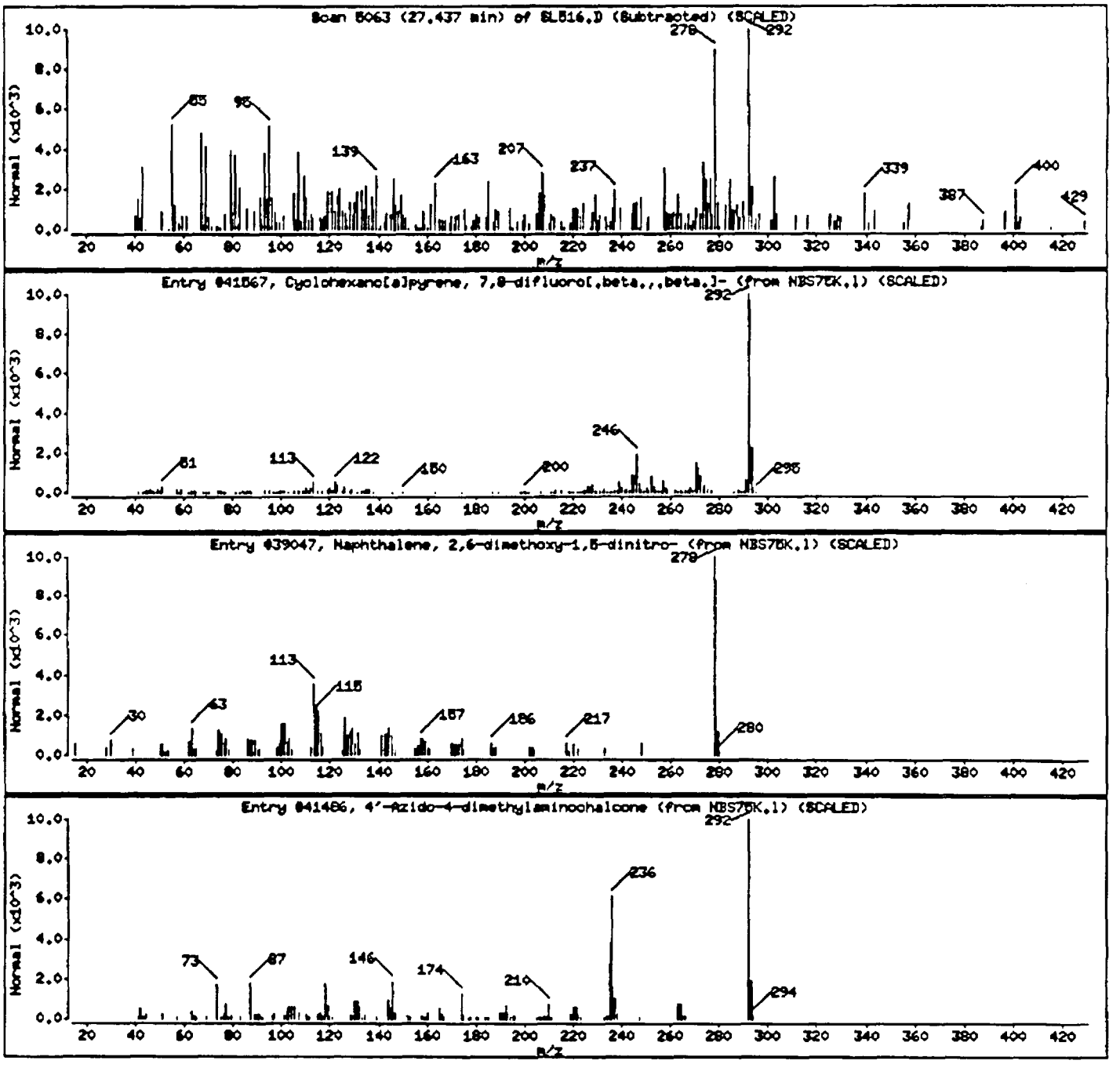
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexano[a]pyrene, 7,8-difluoro[,beta	0-00-0	NBS75K.l	41567	36	C20H14F2	292
Naphthalene, 2,6-dimethoxy-1,5-dinitro-	25314-97-0	NBS75K.l	39047	26	C12H10N2O6	278
4'-Azido-4-dimethylaminochalcone	0-00-0	NBS75K.l	41486	22	C17H16N4O	292



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,clp31,1-clp90.sub

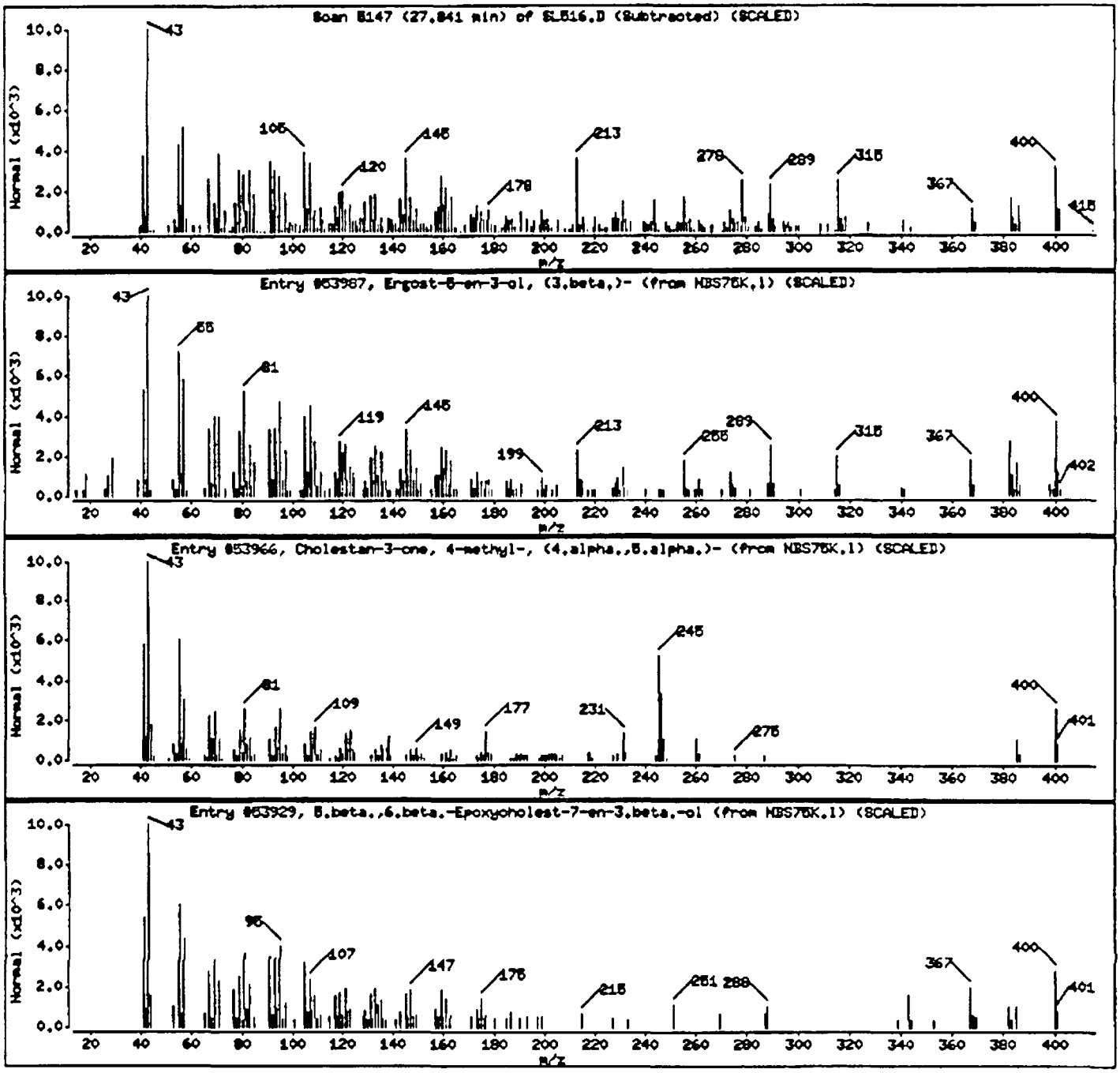
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ergost-5-en-3-ol, (3,beta,)-	4651-51-8	NBS75K.1	53987	83	C28H48O	400
Cholestan-3-one, 4-methyl-, (4,alpha,,5,	984-87-2	NBS75K.1	53966	25	C28H48O	400
5,beta,,6,beta,-Epoxycholest-7-en-3,beta	0-00-0	NBS75K.1	53929	20	C27H44O2	400



Data File: \\wcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,i-olp90.sub

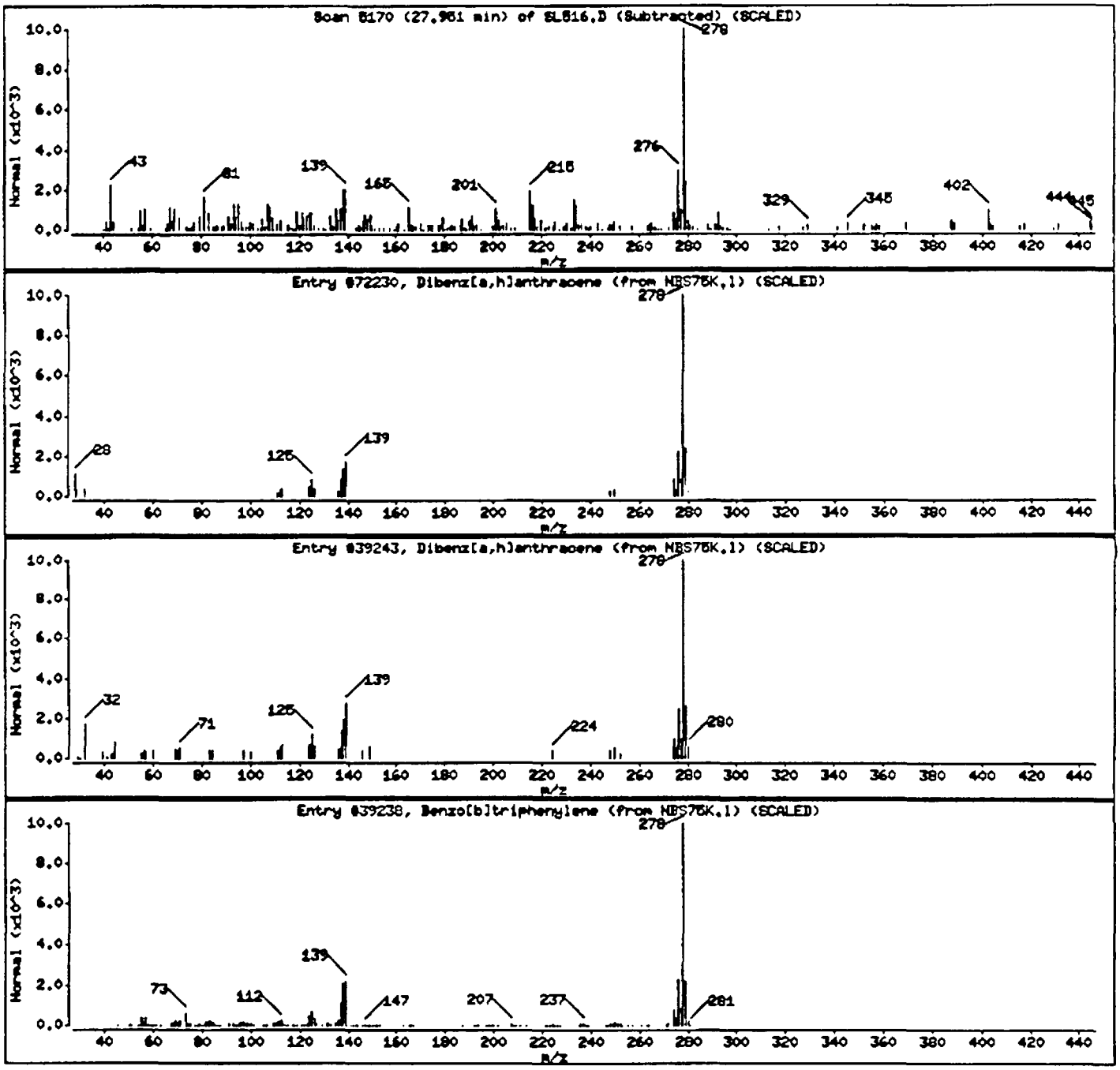
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Dibenz[a,h]anthracene	53-70-3	NBS75K.l	72230	90	C22H14	278
Dibenz[a,h]anthracene	53-70-3	NBS75K.l	39243	90	C22H14	278
Benzo[b]triphenylene	215-58-7	NBS75K.l	39238	78	C22H14	278



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrmg10u,00929a.b,olp31,1-olp90.sub

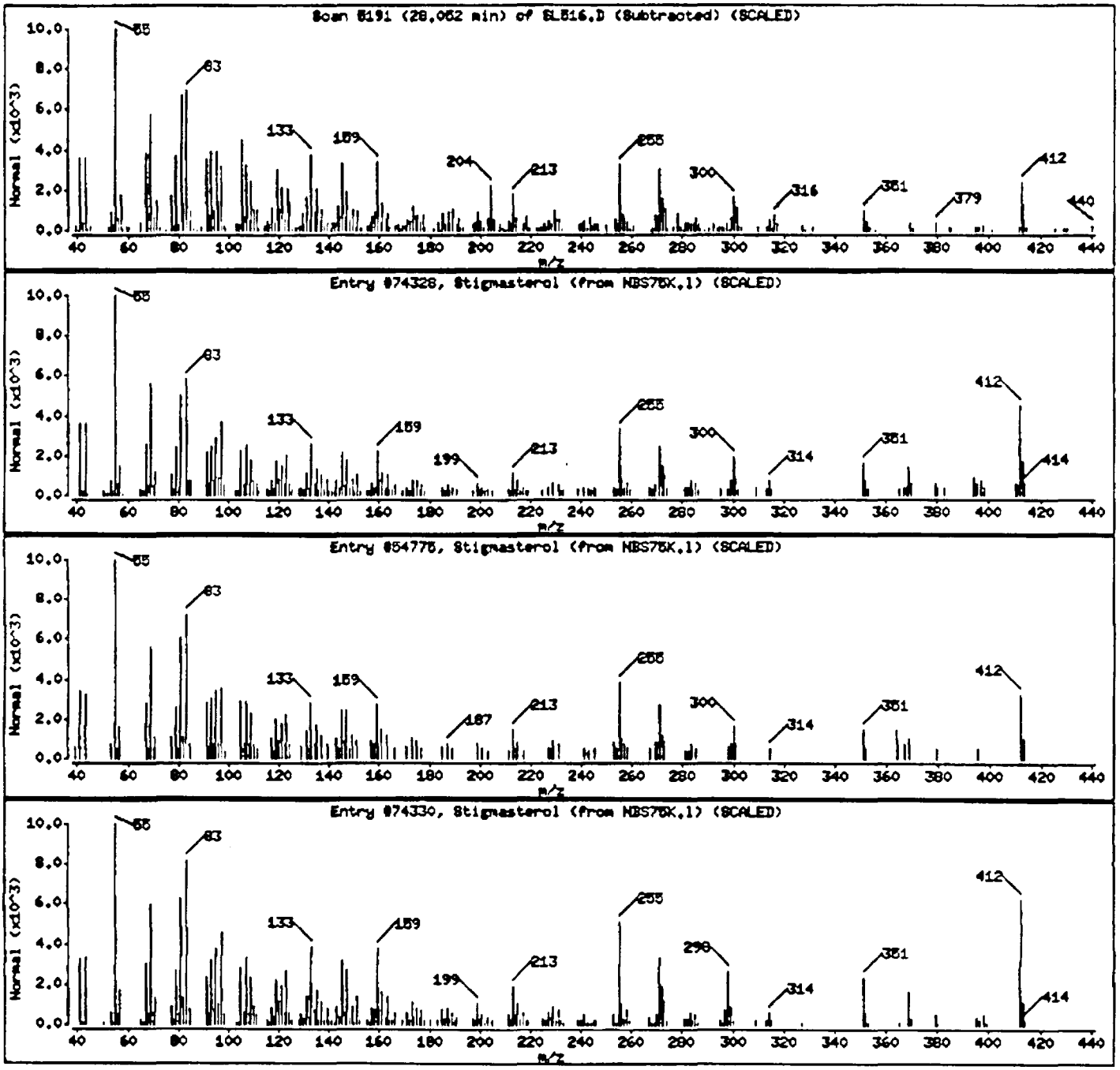
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Stigmasterol	83-48-7	NBS75K.l	74328	74	C29H48O	412
Stigmasterol	83-48-7	NBS75K.l	54775	68	C29H48O	412
Stigmasterol	83-48-7	NBS75K.l	74330	64	C29H48O	412



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Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90.sub

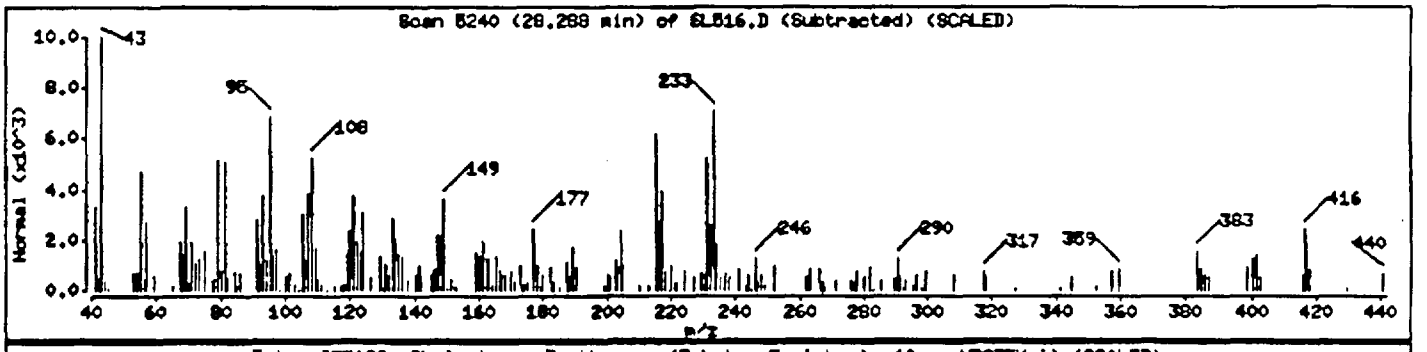
Volume Injected (uL): 2.0

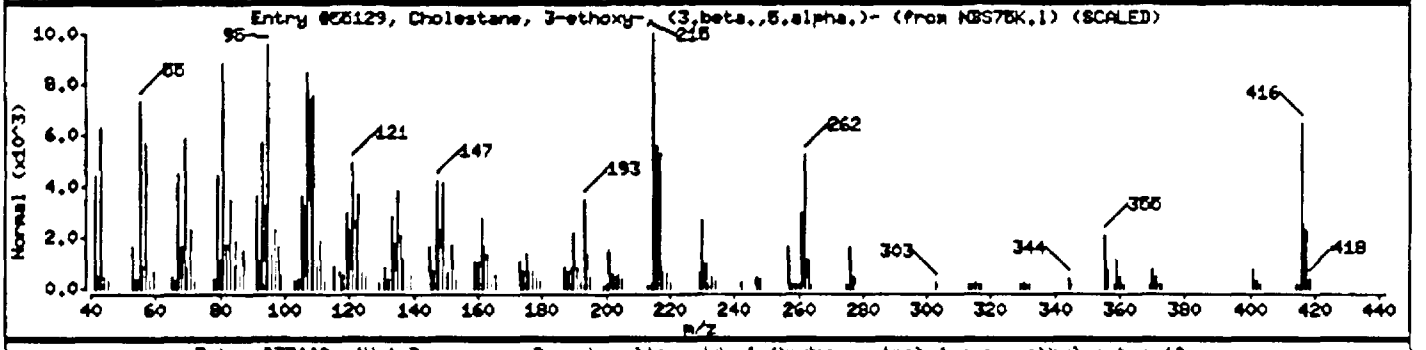
Operator: 001574

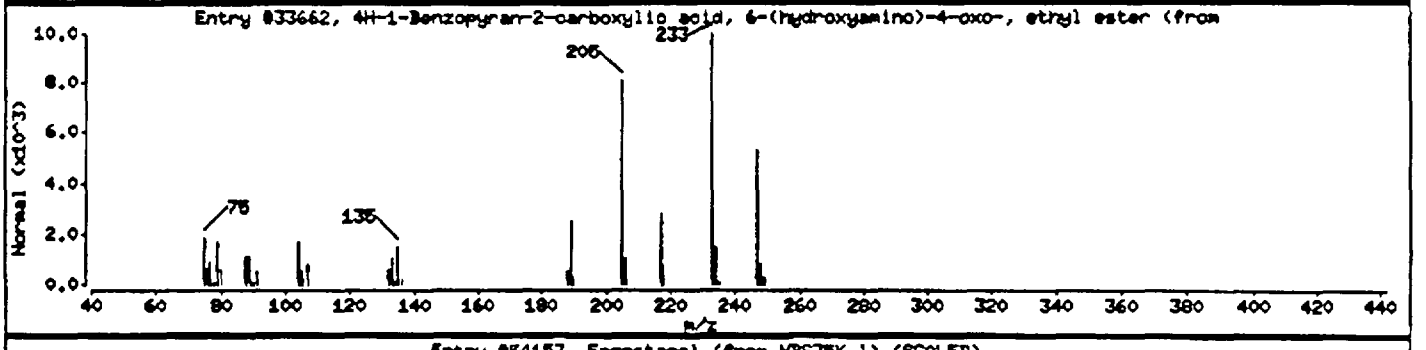
Column phase:

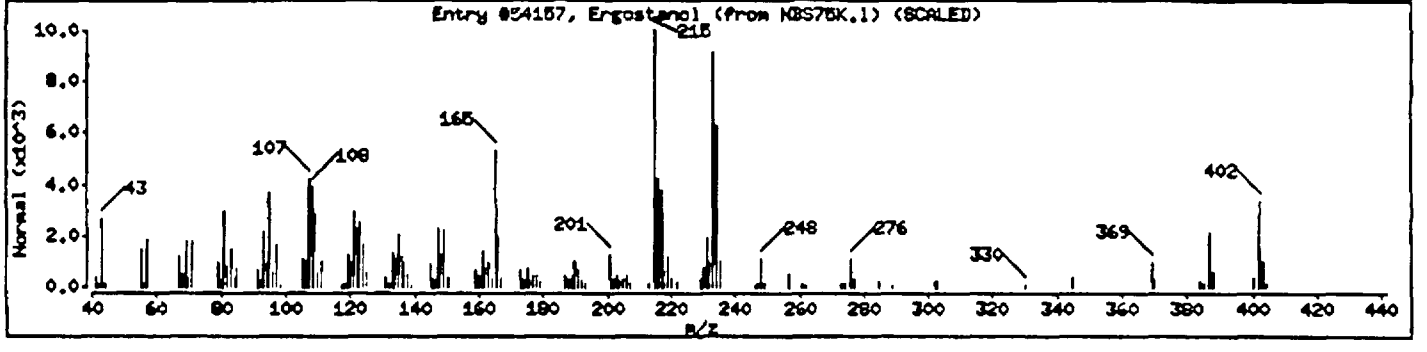
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestane, 3-ethoxy-, (3.beta.,5.alpha.	2089-02-3	NBS75K.l	55129	30	C29H520	416
4H-1-Benzopyran-2-carboxylic acid, 6-(hy	30095-80-8	NBS75K.l	33662	25	C12H11N05	249
Ergostanol	6538-02-9	NBS75K.l	54157	15	C28H500	402









Data File: \\qoanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,clp31,i-clp90.sub

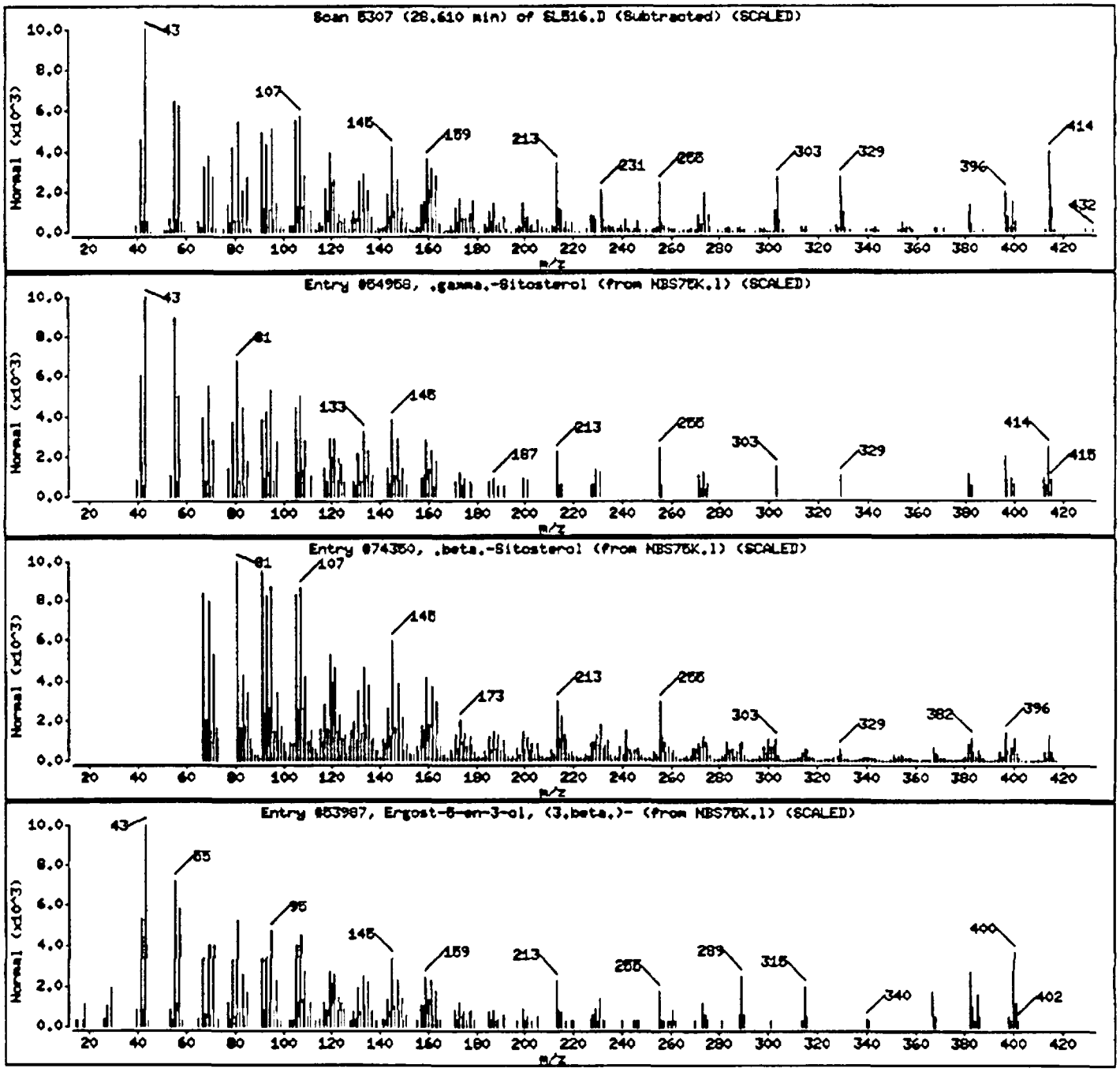
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.1	54958	89	C29H500	414
.beta.-Sitosterol	83-46-5	NBS75K.1	74350	52	C29H500	414
Ergost-5-en-3-ol, (3.beta.)-	4651-51-8	NBS75K.1	53987	43	C28H480	400



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,clp31,1-clp90.sub

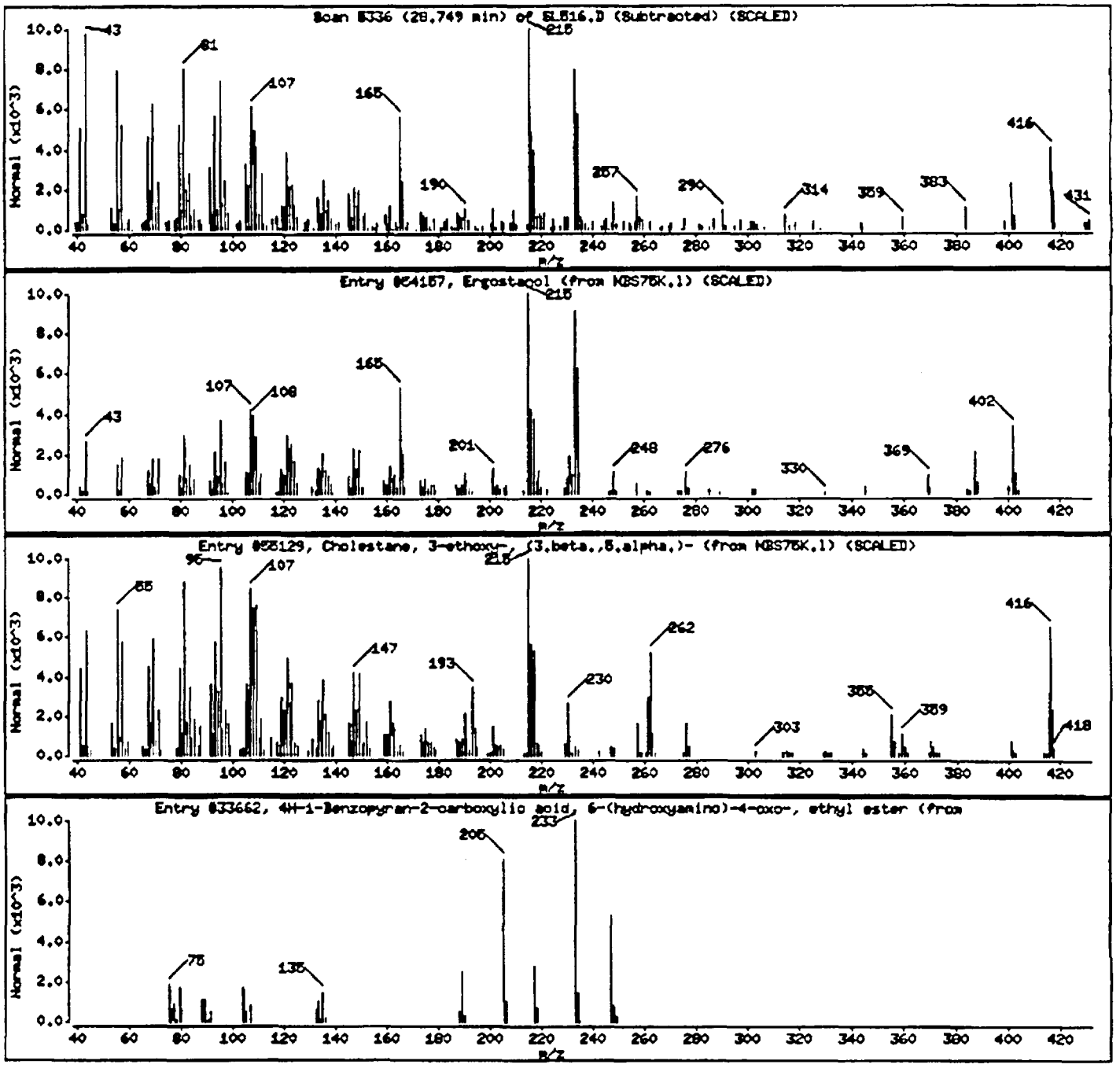
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ergostanol	6538-02-9	NBS75K.1	64157	58	C28H500	402
Cholestane, 3-ethoxy-, (3.beta.,5.alpha.	2089-02-3	NBS75K.1	55129	30	C29H520	416
4H-1-Benzopyran-2-carboxylic acid, 6-(hy	30095-80-8	NBS75K.1	33662	11	C12H11NO5	249



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,clp31,i-clp90,sub

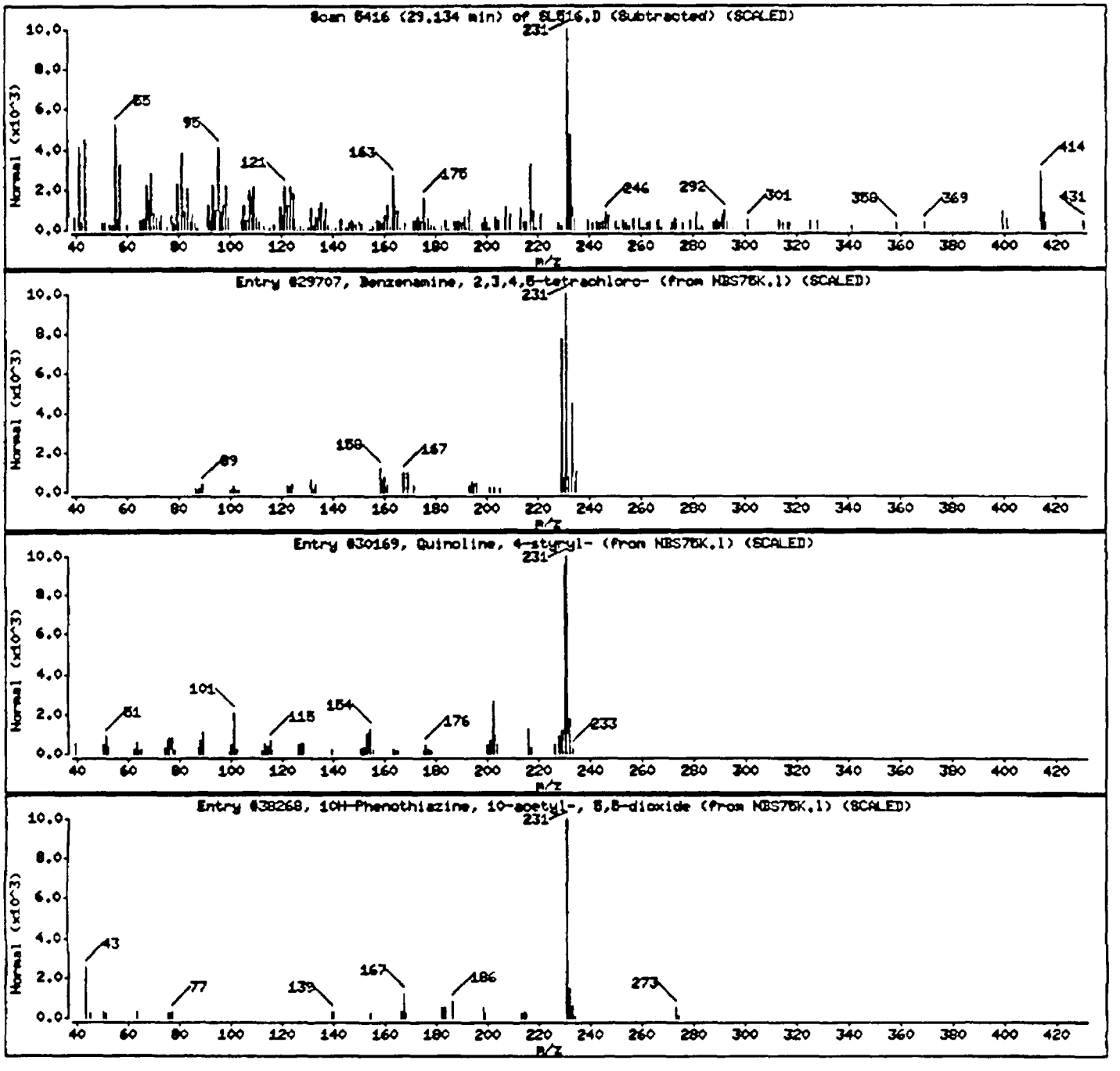
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzenamine, 2,3,4,5-tetrachloro-	634-83-3	NBS75K.1	29707	22	C6H3Cl4N	229
Quinoline, 4-styryl-	4594-84-7	NBS75K.1	30169	22	C17H13N	231
10H-Phenothiazine, 10-acetyl-, 5,5-dioxi	1220-99-1	NBS75K.1	38268	16	C14H11NO3S	273



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL516.D

Date : 30-SEP-2000 02:52

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng10u,00929a.b,olp31,1-olp90.sub

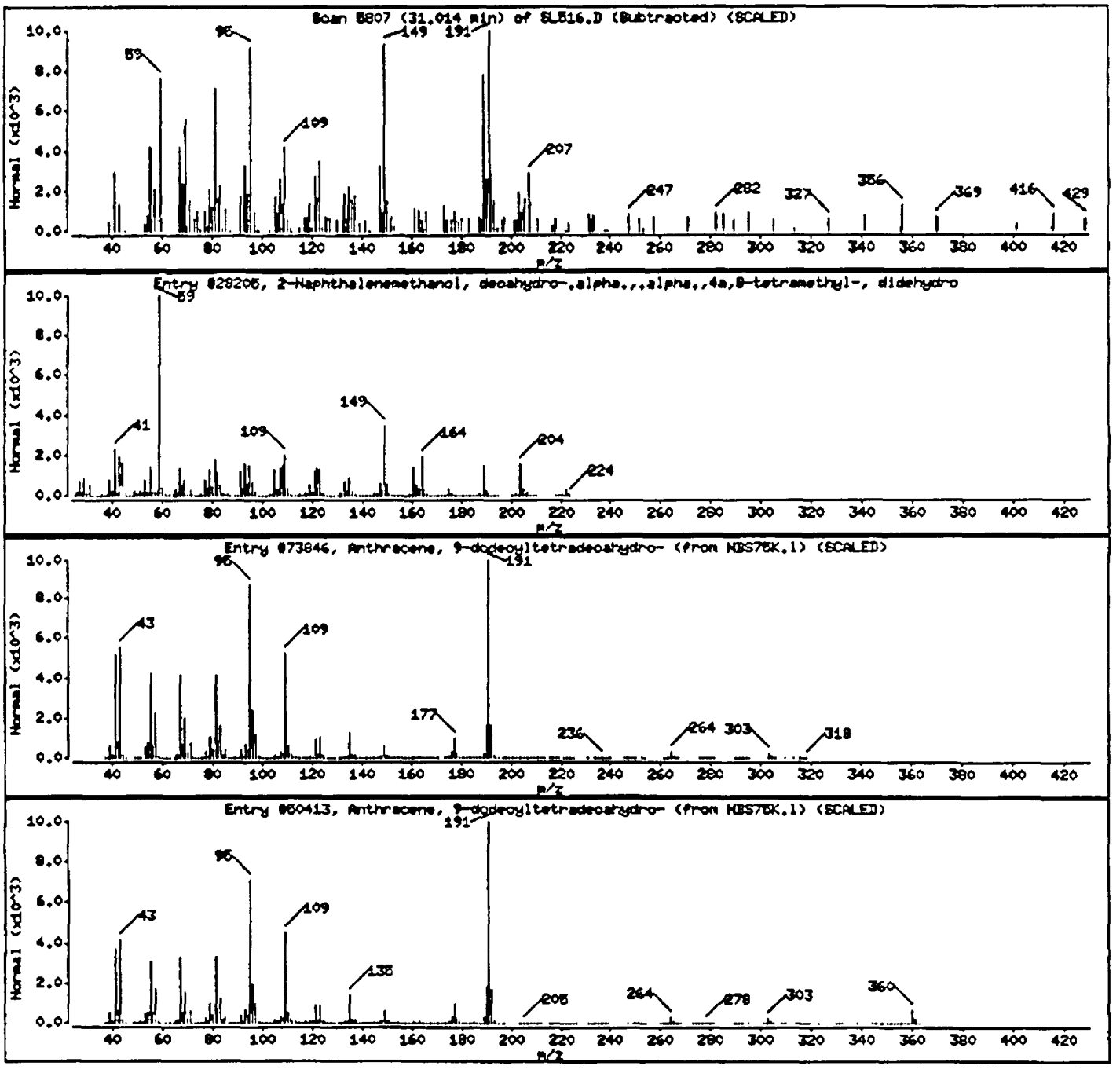
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Naphthalenemethanol, decahydro-,alpha.	51317-08-9	NBS75K.l	28205	38	C15H26O	222
Anthracene, 9-dodecyltetradecahydro-	55401-75-7	NBS75K.l	73846	35	C26H48	360
Anthracene, 9-dodecyltetradecahydro-	55401-75-7	NBS75K.l	50413	35	C26H48	360



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 16.29 / g Date Received: 09/01/00
Work Order: DJRNG30U Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:62

QC Batch: 0278194

Client Sample Id: SL51-6" -RE 2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl) ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitrosodi-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	3900	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	3900	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 16.29 / g Date Received: 09/01/00
Work Order: DJRNG30U Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:62

QC Batch: 0278194

Client Sample Id: SL51-6" -RE 2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	3900	U
83-32-9	Acenaphthene	1600	U
51-28-5	2,4-Dinitrophenol	3900	U
100-02-7	4-Nitrophenol	3900	U
132-64-9	Dibenzofuran	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethyl phthalate	1600	U
7005-72-3	4-Chlorophenyl phenyl ether	1600	U
86-73-7	Fluorene	1600	U
100-01-6	4-Nitroaniline	3900	U
534-52-1	4,6-Dinitro-2-methylphenol	3900	U
86-30-6	N-Nitrosodiphenylamine	1600	U
101-55-3	4-Bromophenyl phenyl ether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	3900	U
85-01-8	Phenanthrene	1600	U
120-12-7	Anthracene	1600	U
86-74-8	Carbazole	1600	U
84-74-2	Di-n-butyl phthalate	1600	U
206-44-0	**Fluoranthene**	**260**	**J**
129-00-0	Pyrene	1600	U
85-68-7	Butyl benzyl phthalate	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)anthracene	1600	U
218-01-9	Chrysene	1600	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 16.29 / g Date Received: 09/01/00
Work Order: DJRNG30U Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:62

QC Batch: 0278194

Client Sample Id: SL51-6" -RE 2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**240**	**J**
117-84-0	Di-n-octyl phthalate	1600	U
205-99-2	Benzo(b)fluoranthene	1600	U
207-08-9	Benzo(k)fluoranthene	1600	U
50-32-8	Benzo(a)pyrene	1600	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	U
53-70-3	Dibenz(a,h)anthracene	1600	U
191-24-2	Benzo(ghi)perylene	1600	U

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 003
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

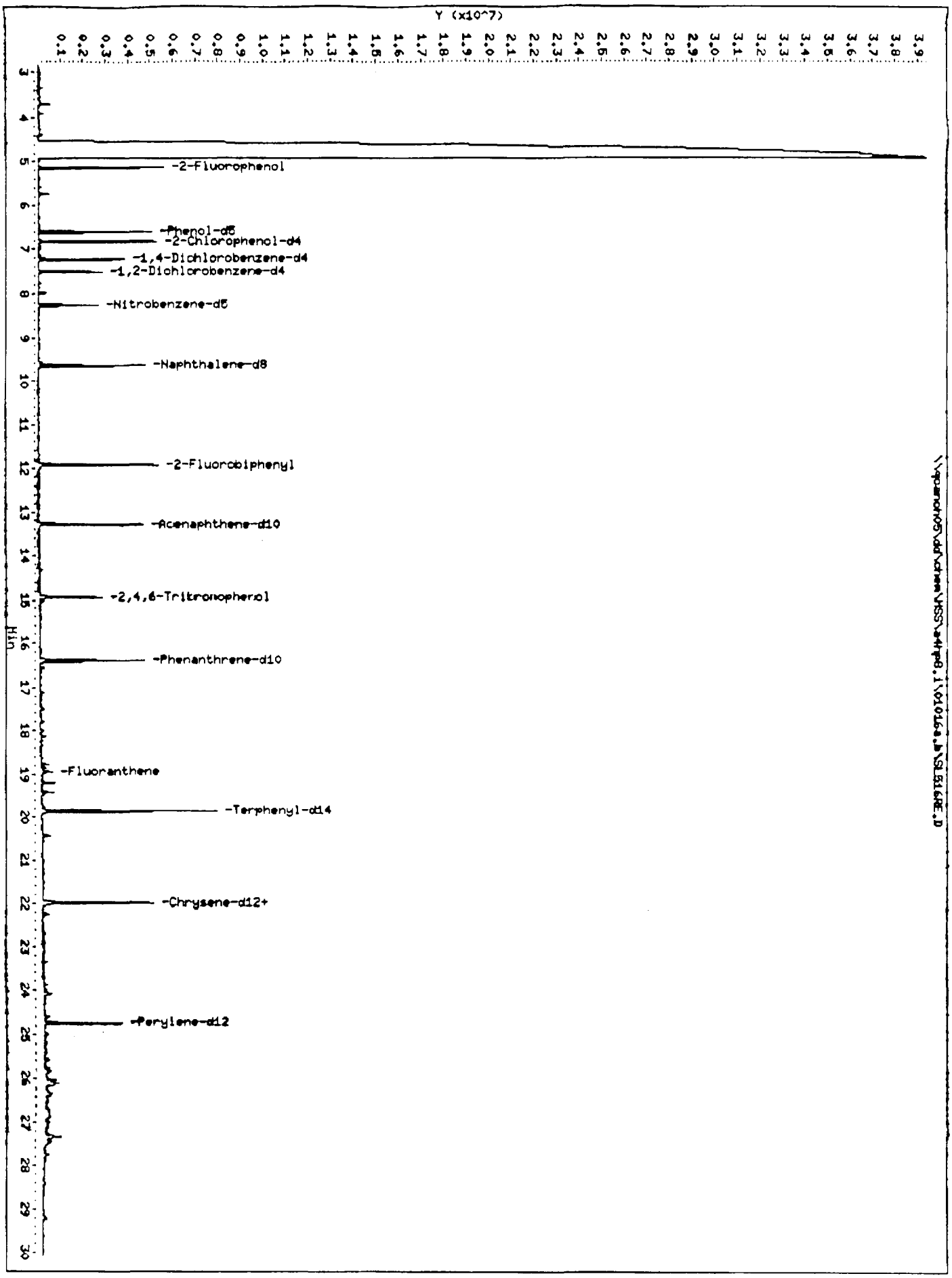
Sample WT/Vol: 16.29 / g Date Received: 09/01/00
Work Order: DJRNG30U Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:62

QC Batch: 0278194

Client Sample Id: SL51-6" -RE 2

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	4.9243	370000	J
	Unknown	5.7272	370	J
	Unknown pesticide	19.198	370	J
	Unknown Hydrocarbon	24.602	340	J
	Unknown	25.838	390	J
57-88-5	Cholesterol	26.035	790	NJ
	Unknown	26.112	1100	J
	Unknown	26.347	740	J
	Unknown	27.338	1400	J
	Unknown	27.438	710	J
	Unknown	27.746	340	J


Y (x10^7)
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Fluoranthene
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min

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Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\SL516RE.D
Lab Smp Id: DJRNG30U Client Smp ID: SL51-6"
Inj Date : 16-OCT-2000 19:46
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrng30u,01016a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\01016a.b\clp31.m
Meth Date : 17-Oct-2000 07:45 ulmanm Quant Type: ISTD
Cal Date : 16-OCT-2000 18:23 Cal File: 8SML1016.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	16.290	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.232	7.227	(1.000)	923700	40.0000	
* 2 Naphthalene-d8	136	9.659	9.669	(1.000)	3201042	40.0000	
* 3 Acenaphthene-d10	164	13.289	13.299	(1.000)	2068137	40.0000	
* 4 Phenanthrene-d10	188	16.400	16.414	(1.000)	3484924	40.0000	
* 5 Chrysene-d12	240	21.982	21.996	(1.000)	3076758	40.0000	
* 6 Perylene-d12	264	24.761	24.766	(1.000)	2294510	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

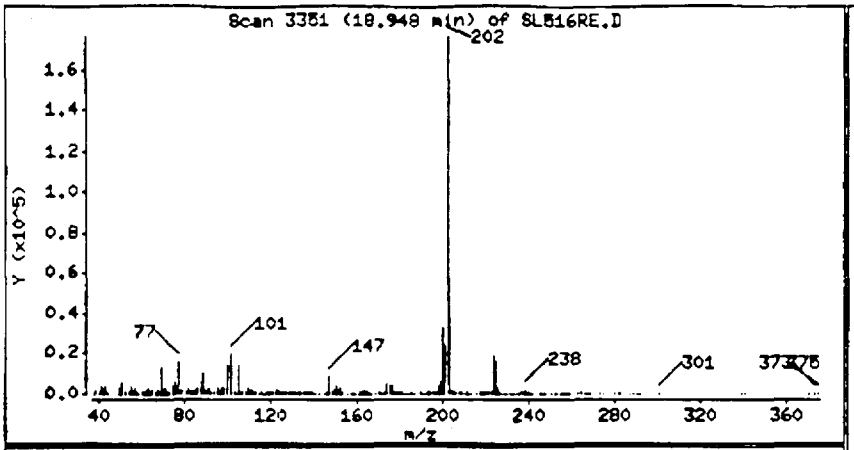
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	18.948	18.963	(1.155)	307073	3.33957	100(a)
59 Pyrene	202	Compound Not Detected.					
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

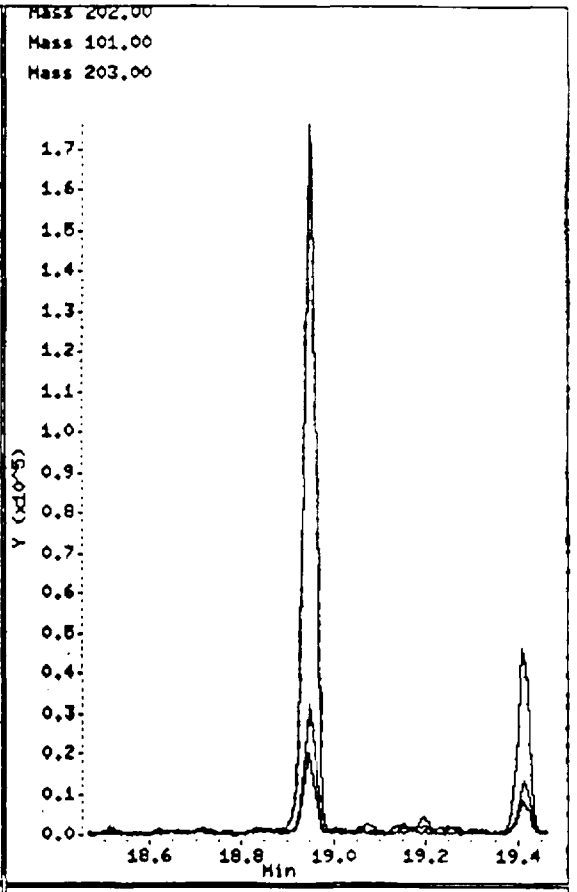
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	Compound Not Detected.					
63 Chrysene	228	Compound Not Detected.					
64 bis(2-ethylhexyl)Phthalate	149	22.246	22.251	(1.012)	127490	2.93570	90(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	Compound Not Detected.					
67 Benzo(k)fluoranthene	252	Compound Not Detected.					
68 Benzo(a)pyrene	252	Compound Not Detected.					
69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.260	8.270	(0.855)	1505444	45.6428	1400
$ 73 2-Fluorobiphenyl	172	11.929	11.938	(0.898)	3212349	52.7430	1600
$ 74 Terphenyl-d14	244	19.857	19.857	(0.903)	4986316	80.1846	2500
$ 75 Phenol-d5	99	6.611	6.602	(0.914)	2656026	81.7864	2500
$ 76 2-Fluorophenol	112	5.145	5.025	(0.711)	1847580	69.3027	2100
$ 77 2,4,6-Tribromophenol	330	14.948	14.958	(0.911)	626579	81.6422	2500
$ 78 2-Chlorophenol-d4	132	6.828	6.813	(0.944)	1965304	85.0661	2600
$ 79 1,2-Dichlorobenzene-d4	152	7.501	7.501	(1.037)	647392	33.7890	1000

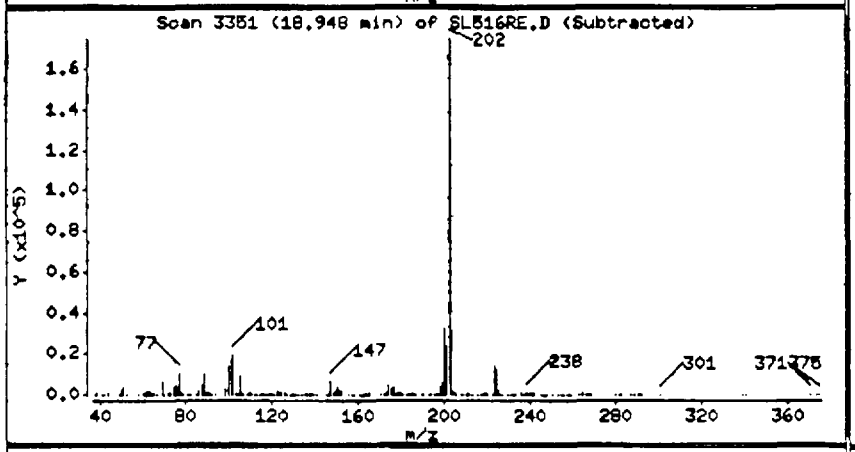
QC Flag Legend

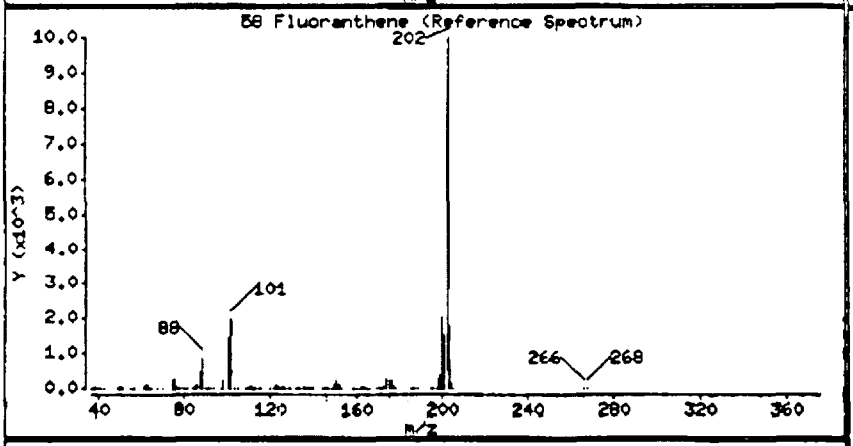
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

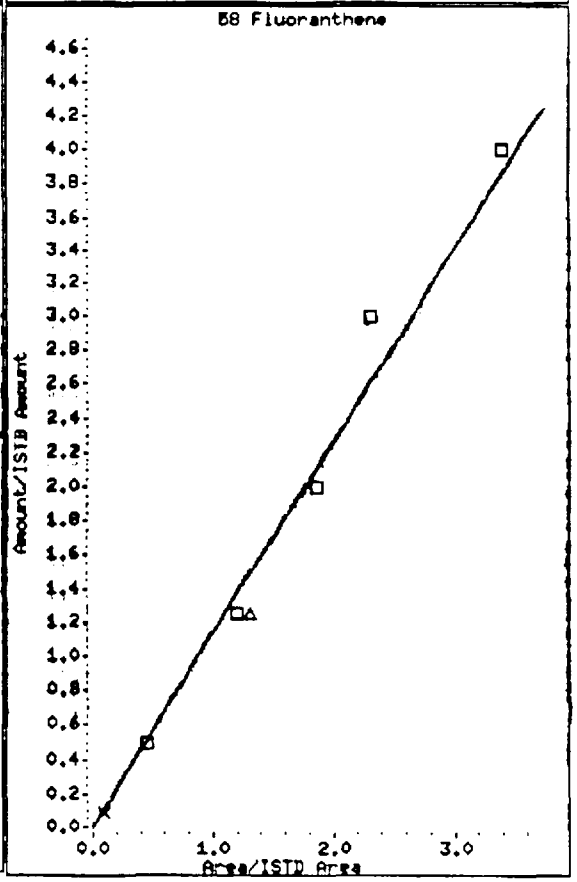
58 Fluoranthene

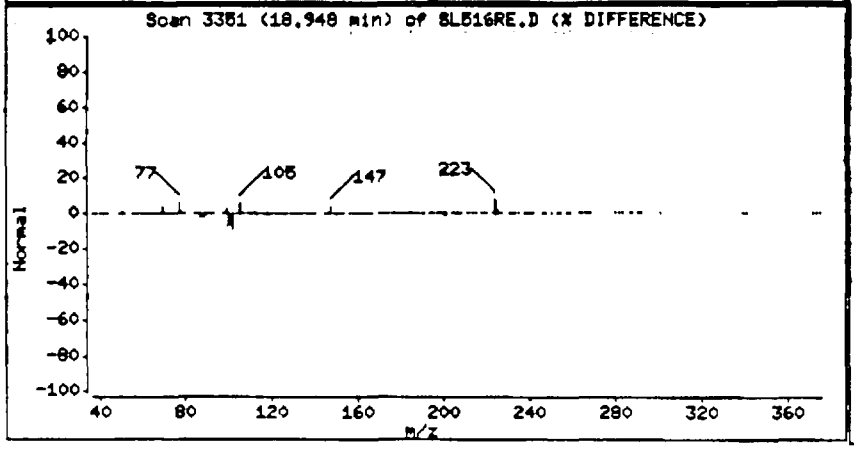




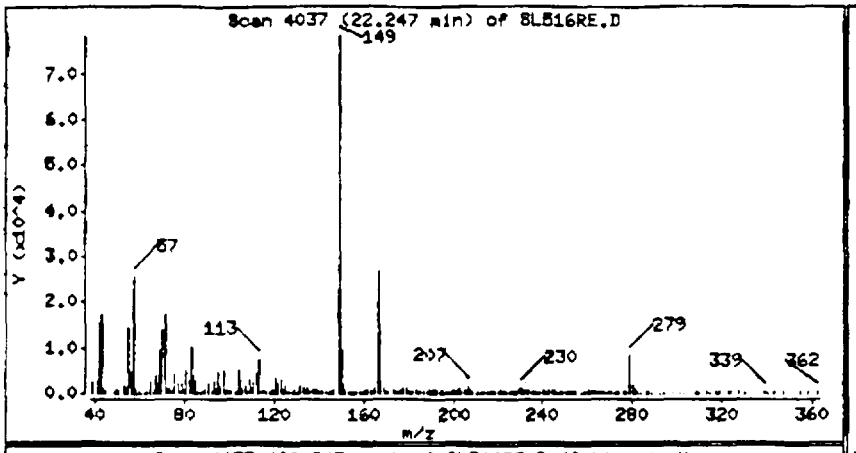


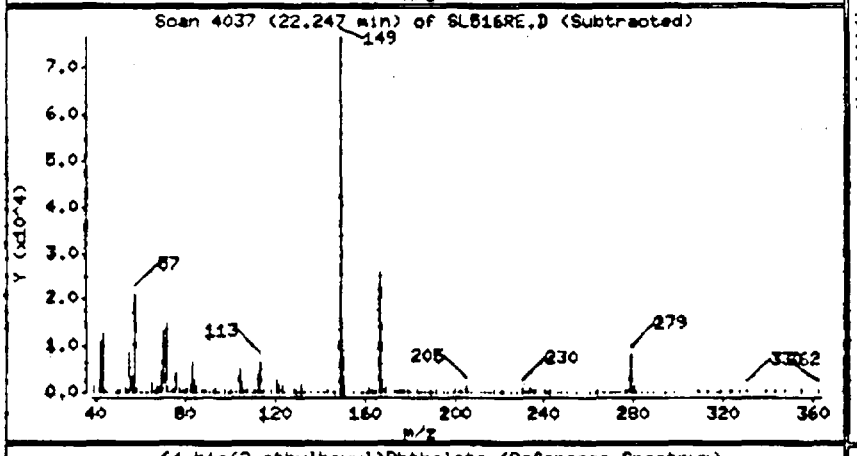


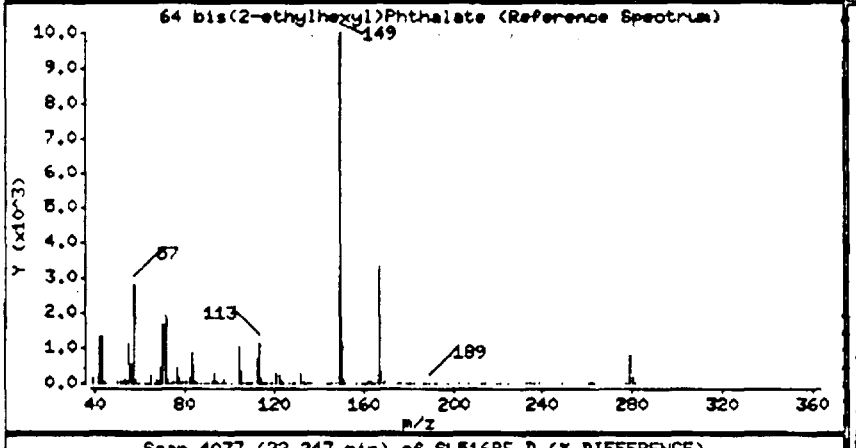


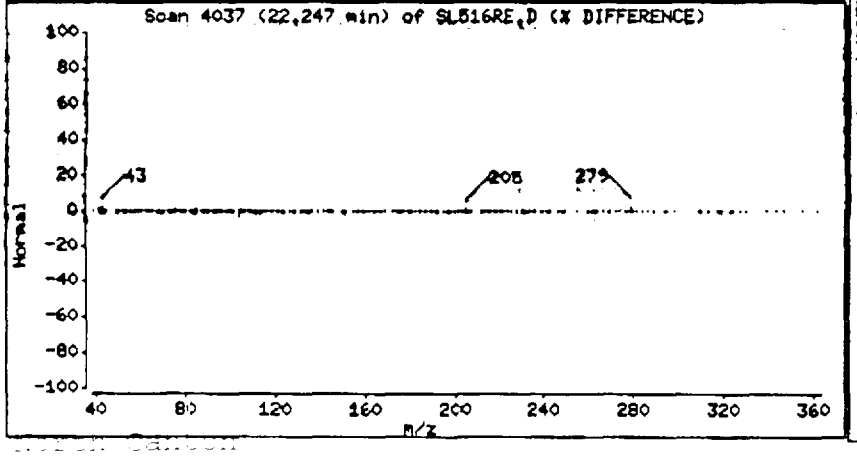


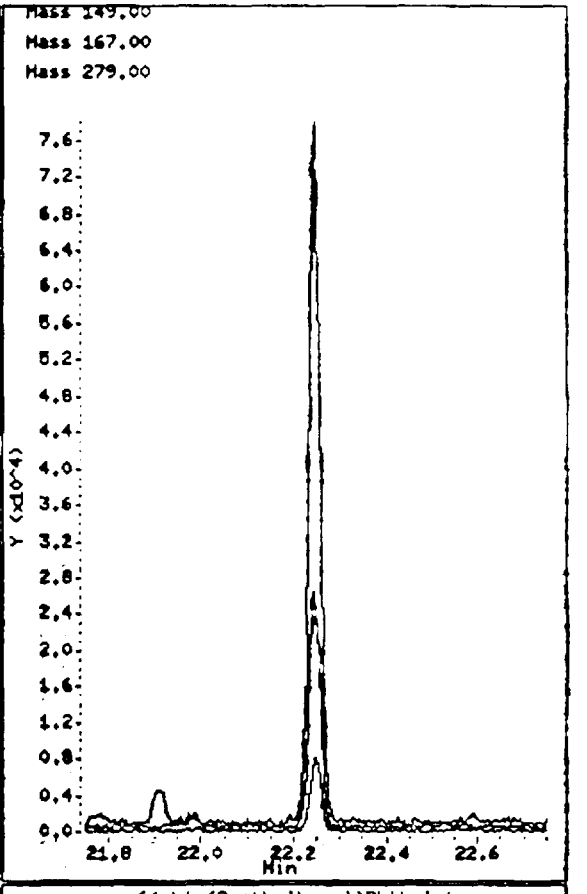
64 bis(2-ethylhexyl)Phthalate

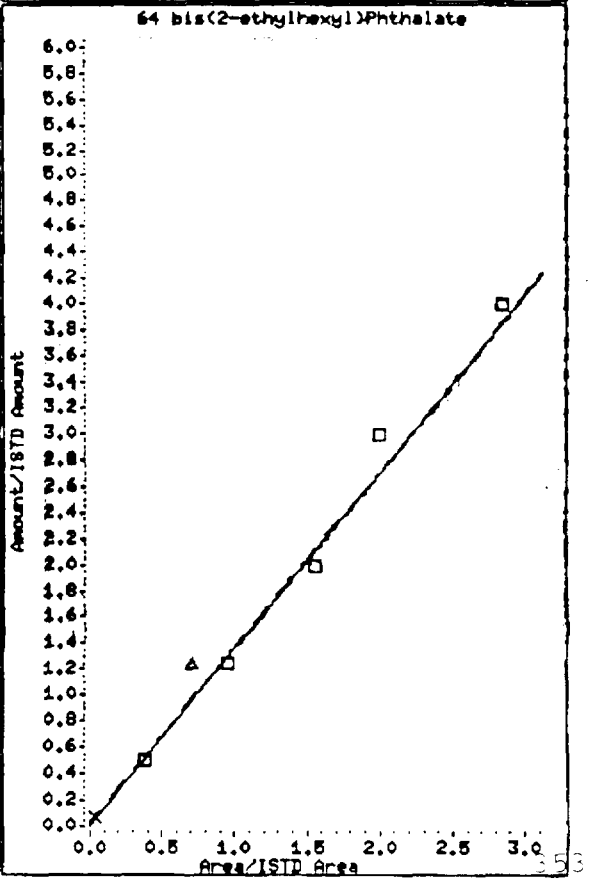












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\SL516RE.D
Lab Smp Id: DJRNG30U Client Smp ID: SL51-6"
Inj Date : 16-OCT-2000 19:46
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrng30u,01016a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\01016a.b\clp31.m
Meth Date : 17-Oct-2000 07:45 ulmanm Quant Type: ISTD
Cal Date : 16-OCT-2000 18:23 Cal File: 8SML1016.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	16.290	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.232	5725686	40.000
* 5 Chrysene-d12	21.982	9524171	40.000
* 6 Perylene-d12	24.761	6506997	40.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate				CAS #:			
4.924	6.418e+008	4483.37384	140000	99		C	1

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
5.727	651260	4.54974304	140	0		0	1
Unknown pesticide				CAS #:			
19.199	1119799	4.70297699	140	99		0	5
Unknown Hydrocarbon				CAS #:			
24.602	693145	4.26091912	130	99		0	6
Unknown				CAS #:			
25.838	779867	4.79401966	150	0		0	6
Cholesterol				CAS #: 57-88-5			
26.035	1570805	9.65609860	300	99	NBS75K.1	74137	6
Unknown				CAS #:			
26.112	2112279	12.9846619	400	0		0	6
Unknown				CAS #:			
26.348	1506529	9.26097498	280	0		0	6
Unknown				CAS #:			
27.338	2885909	17.7403402	540	0		0	6
Unknown				CAS #:			
27.439	1414377	8.69450002	270	0		0	6
Unknown				CAS #:			
27.747	690563	4.24505027	130	0		0	6

Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\01016a.b\SL516RE.D

Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,1-olp90.sub

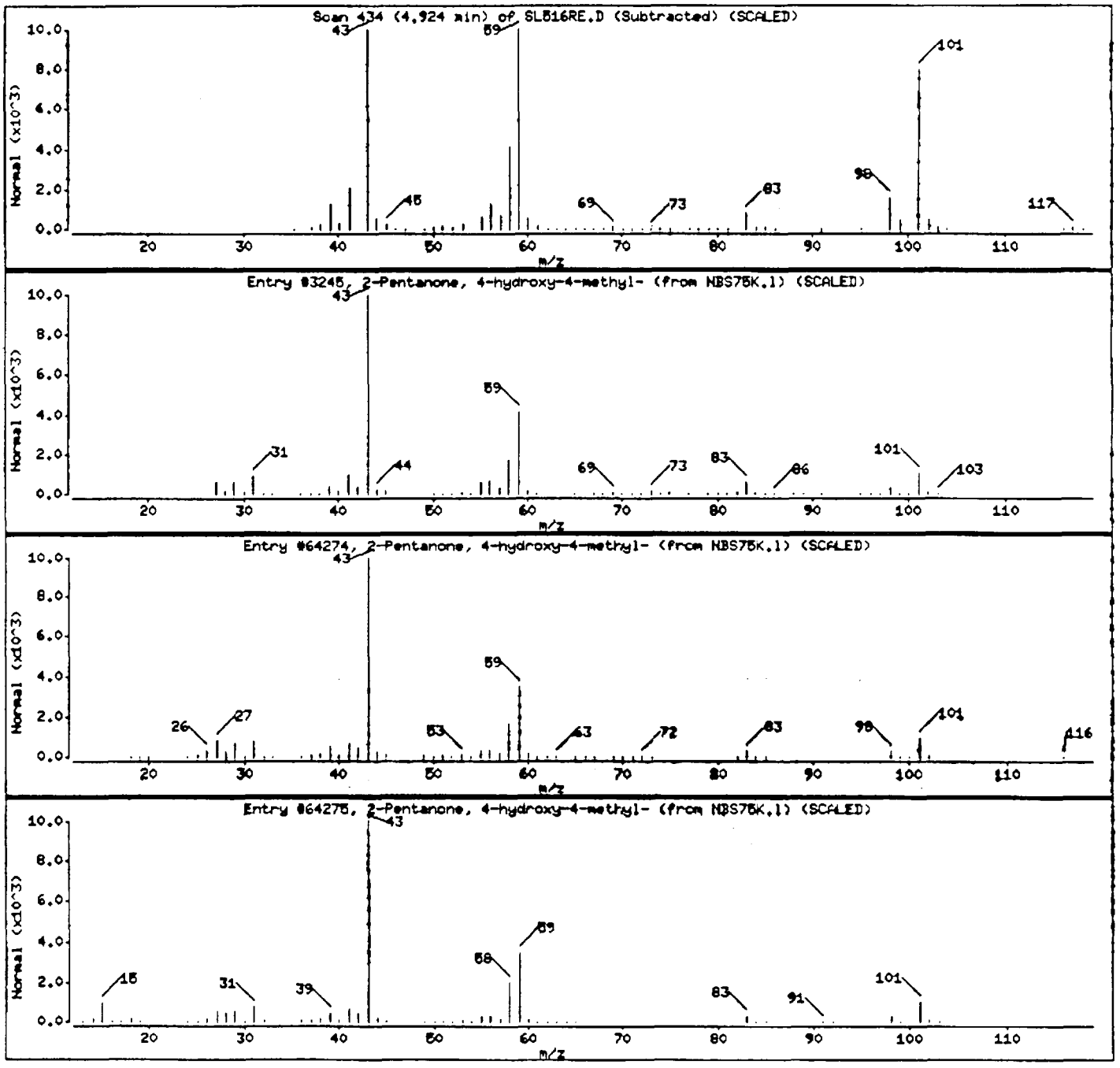
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	40	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	28	C6H12O2	116



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Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,1-olp90.sub

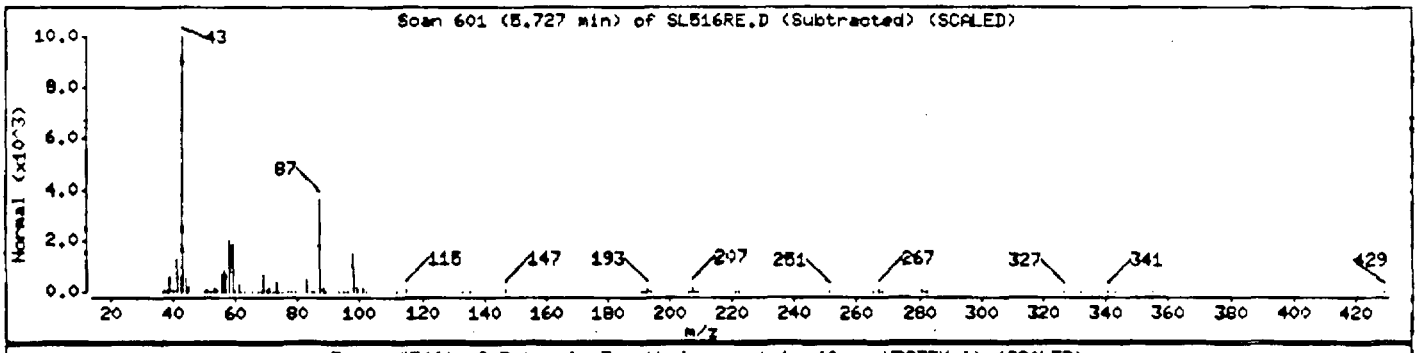
Volume Injected (uL): 2.0

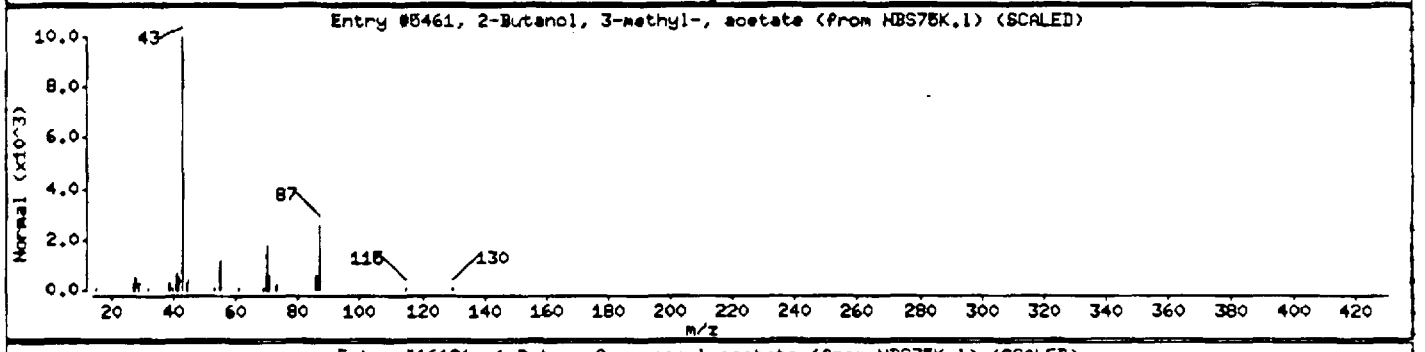
Operator: 001574

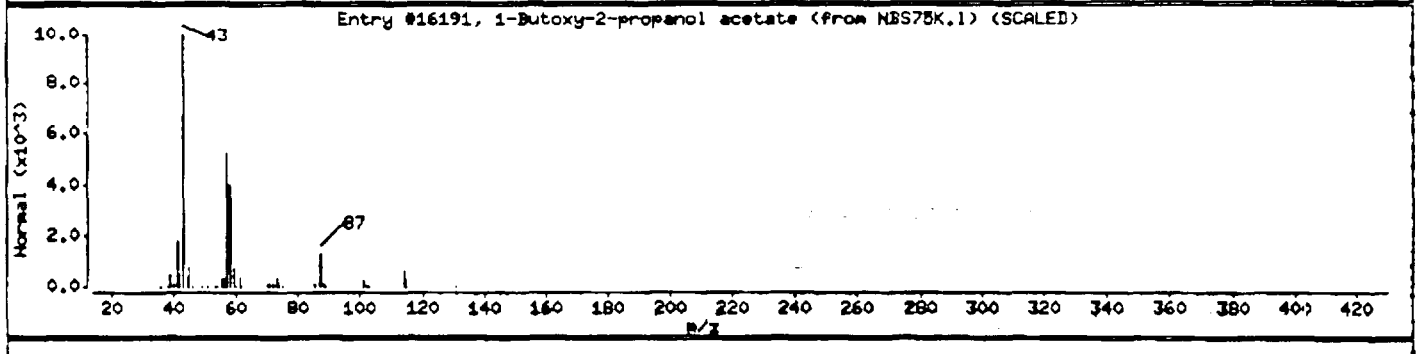
Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Butanol, 3-methyl-, acetate	5343-96-4	NBS75K.l	5461	17	C7H14O2	130
1-Butoxy-2-propanol acetate	0-00-0	NBS75K.l	16191	12	C9H18O3	174







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Date : 16-OCT-2009 19:46

Client ID: SL51-6'

Instrument: a4hp8.1

Sample Info: djrng30u,01016a.b,olp31,1-olp90.sub

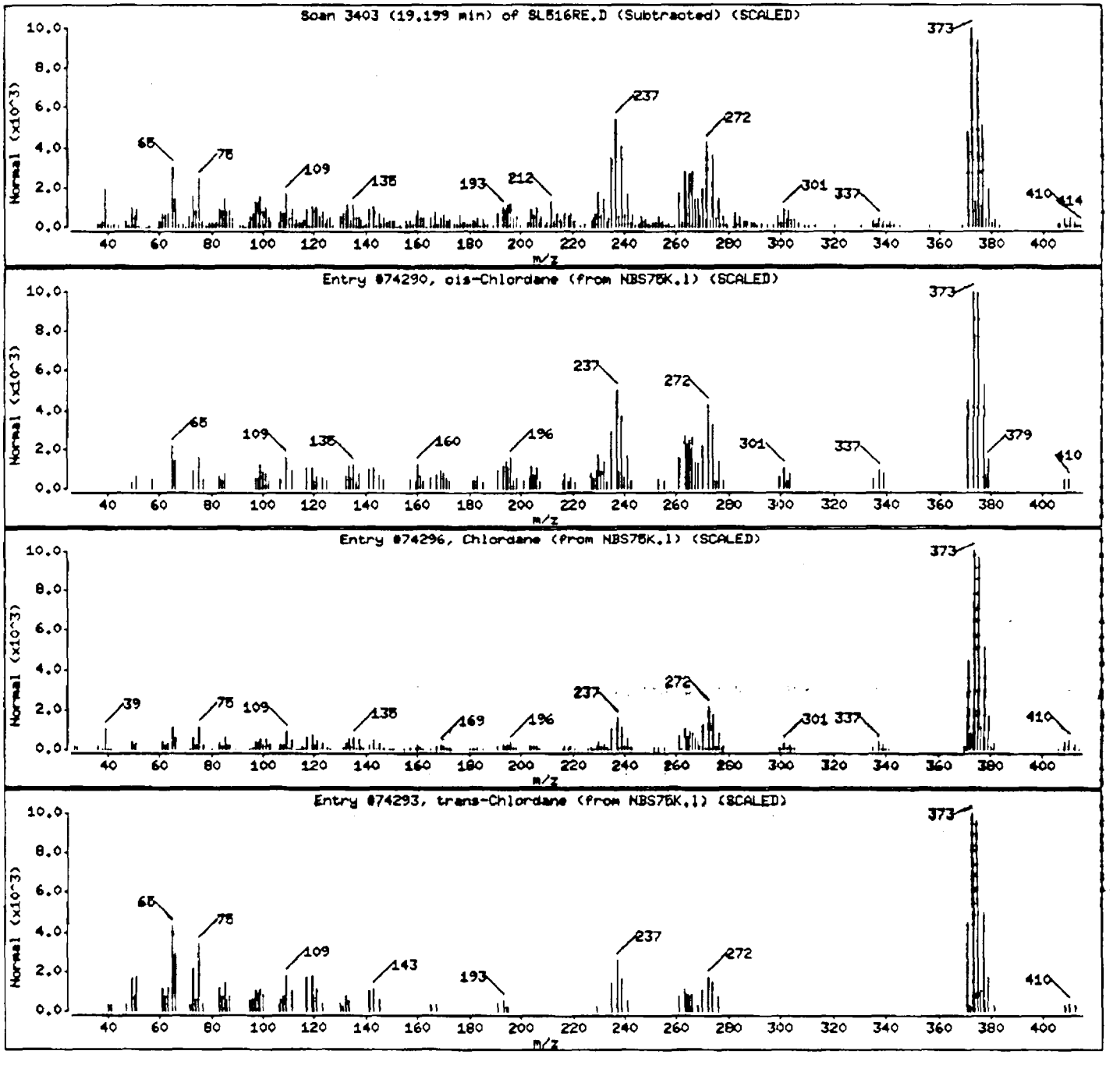
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
cis-Chlordane	5103-71-9	NBS75K.1	74290	98	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.1	74296	97	C10H6Cl8	406
trans-Chlordane	5103-74-2	NBS75K.1	74293	90	C10H6Cl8	406



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Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.1

Sample Info: djrng30u,01016a.b,olp31,1-olp90.sub

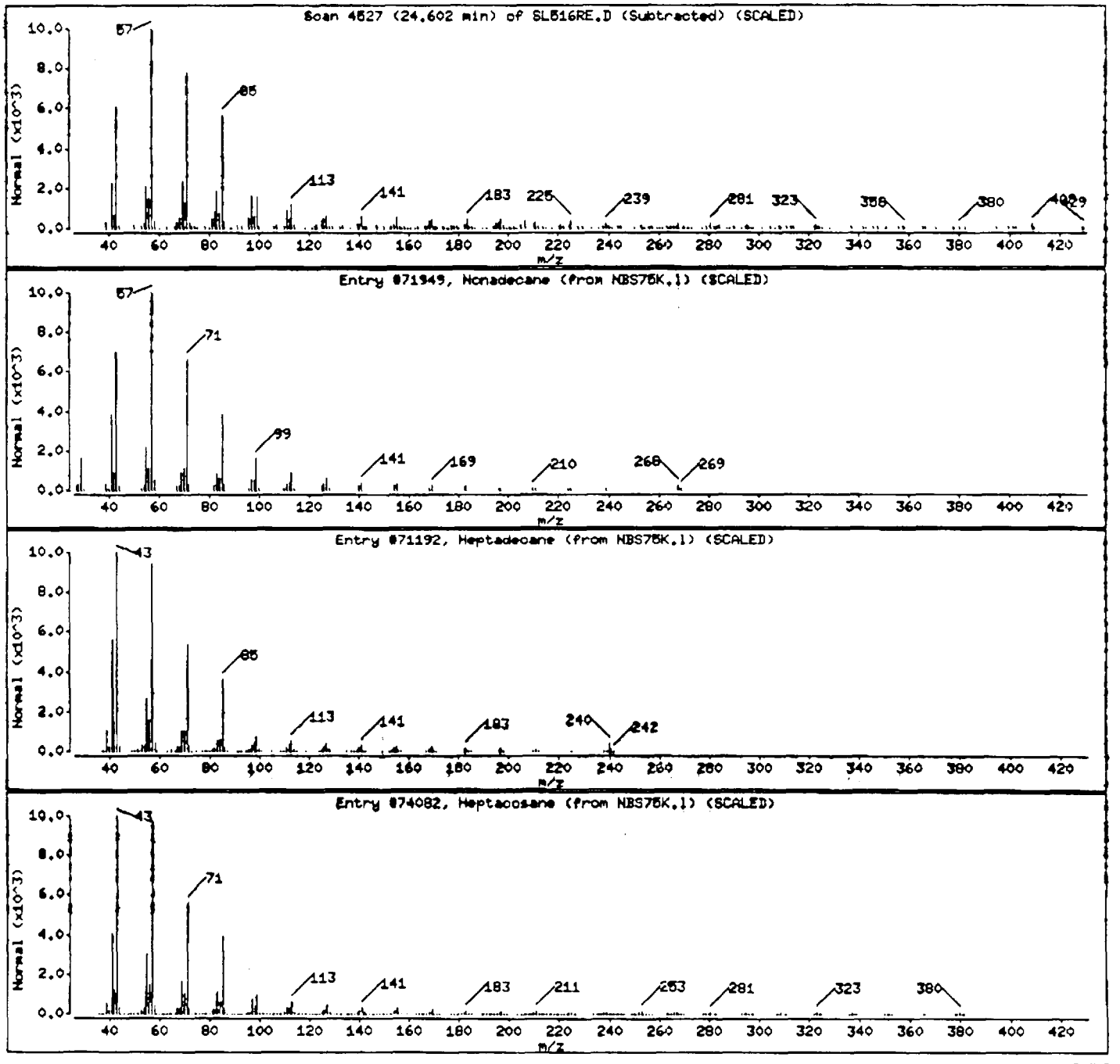
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonadecane	629-92-5	NBS75K.1	71949	96	C19H40	268
Heptadecane	629-78-7	NBS75K.1	71192	94	C17H36	240
Heptacosane	593-49-7	NBS75K.1	74082	93	C27H56	380



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\SL516RE.D

Date : 16-OCT-2000 19:46

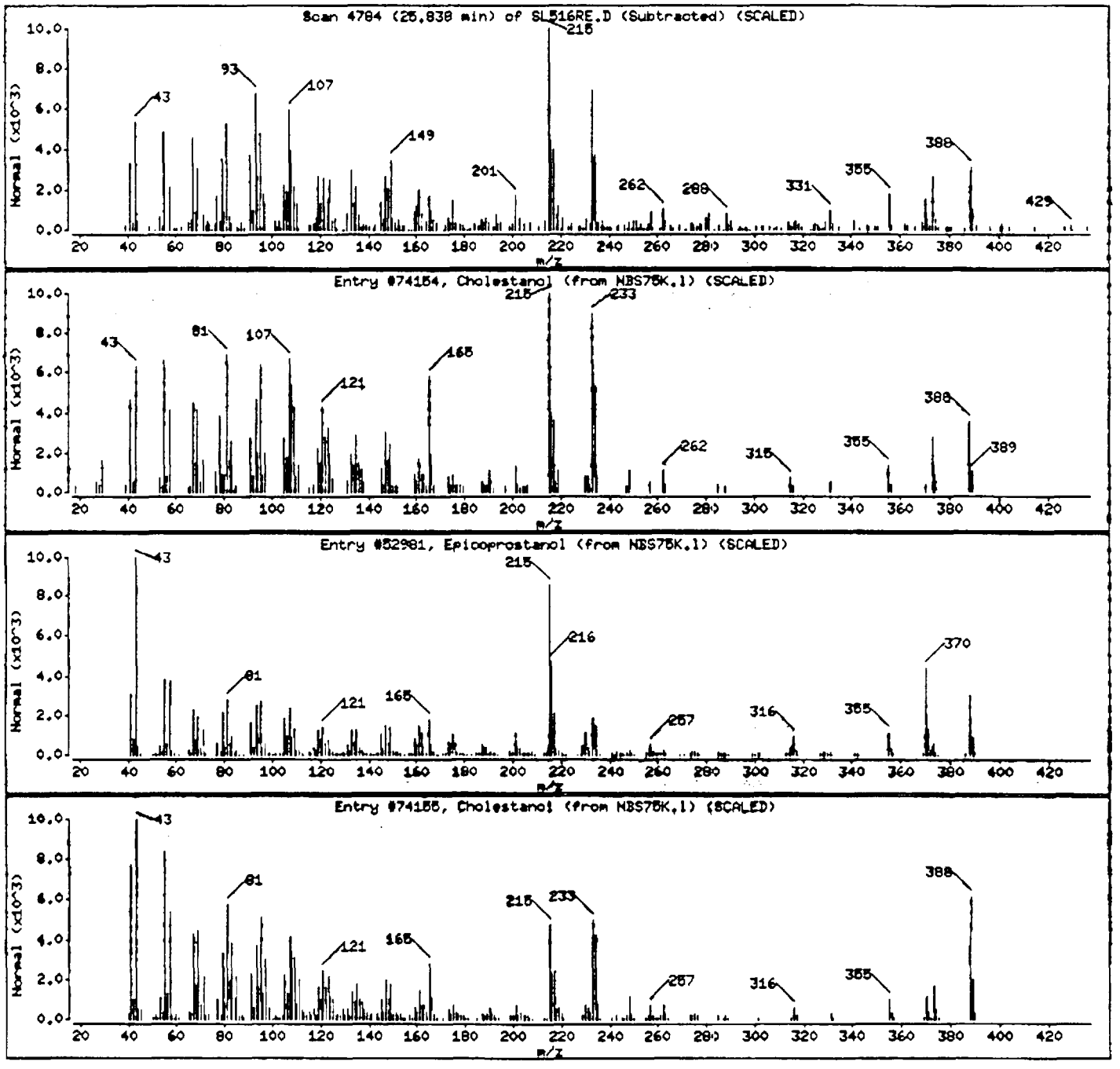
Client ID: SL51-6' Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,clp31,i-clp90,sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestanol	80-97-7	NBS75K.l	74154	87	C27H48O	388
Epicoprostanol	0-00-0	NBS75K.l	52981	60	C27H48O	388
Cholestanol	80-97-7	NBS75K.l	74155	53	C27H48O	388



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\01016a.b\SL516RE.D

Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,1-olp90.sub

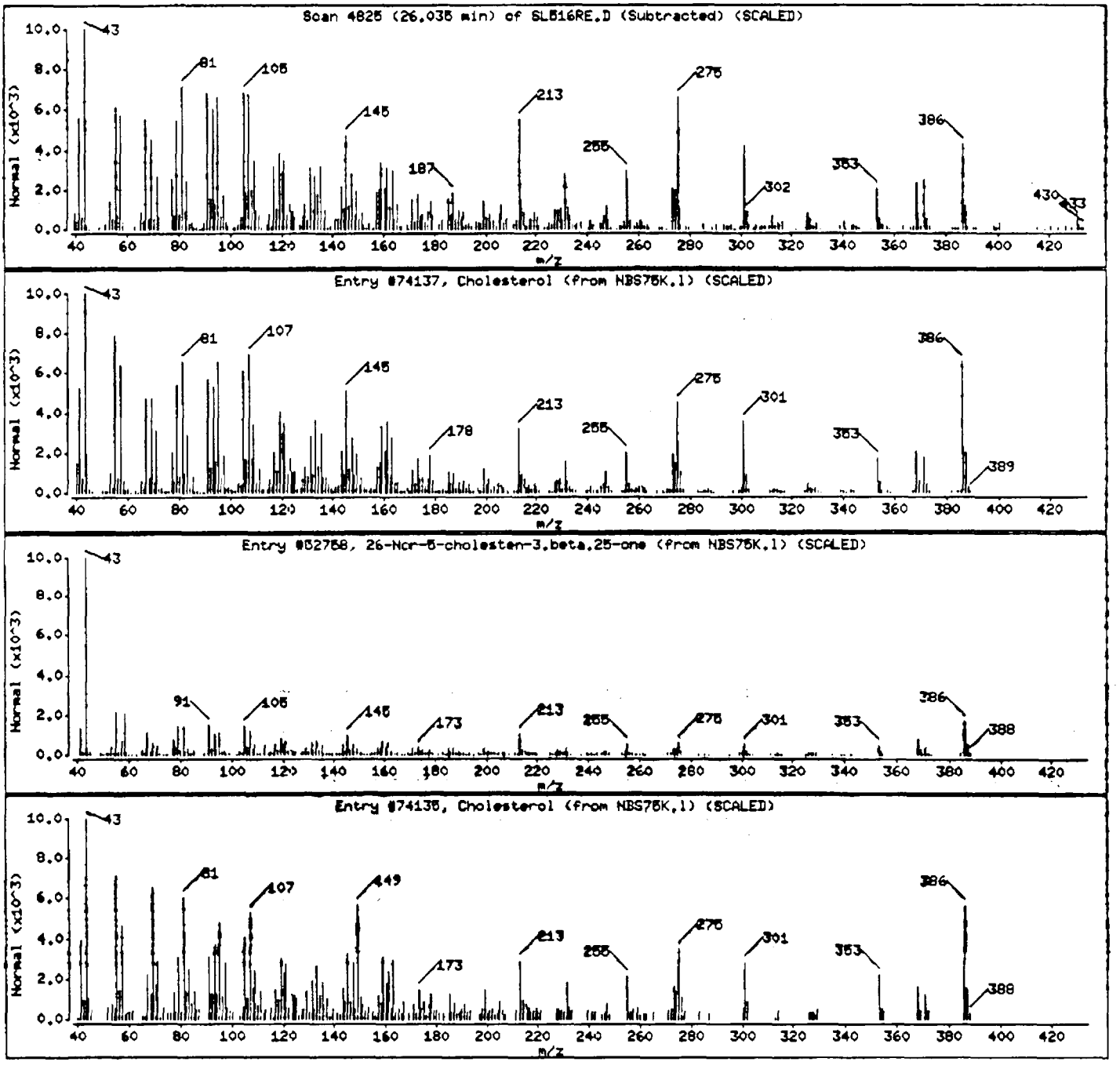
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.l	74137	99	C27H46O	386
26-Nor-5-cholesten-3.beta.25-one	0-00-0	NBS75K.l	52758	93	C26H42O2	386
Cholesterol	57-88-5	NBS75K.l	74135	90	C27H46O	386



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Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,1-olp90,sub

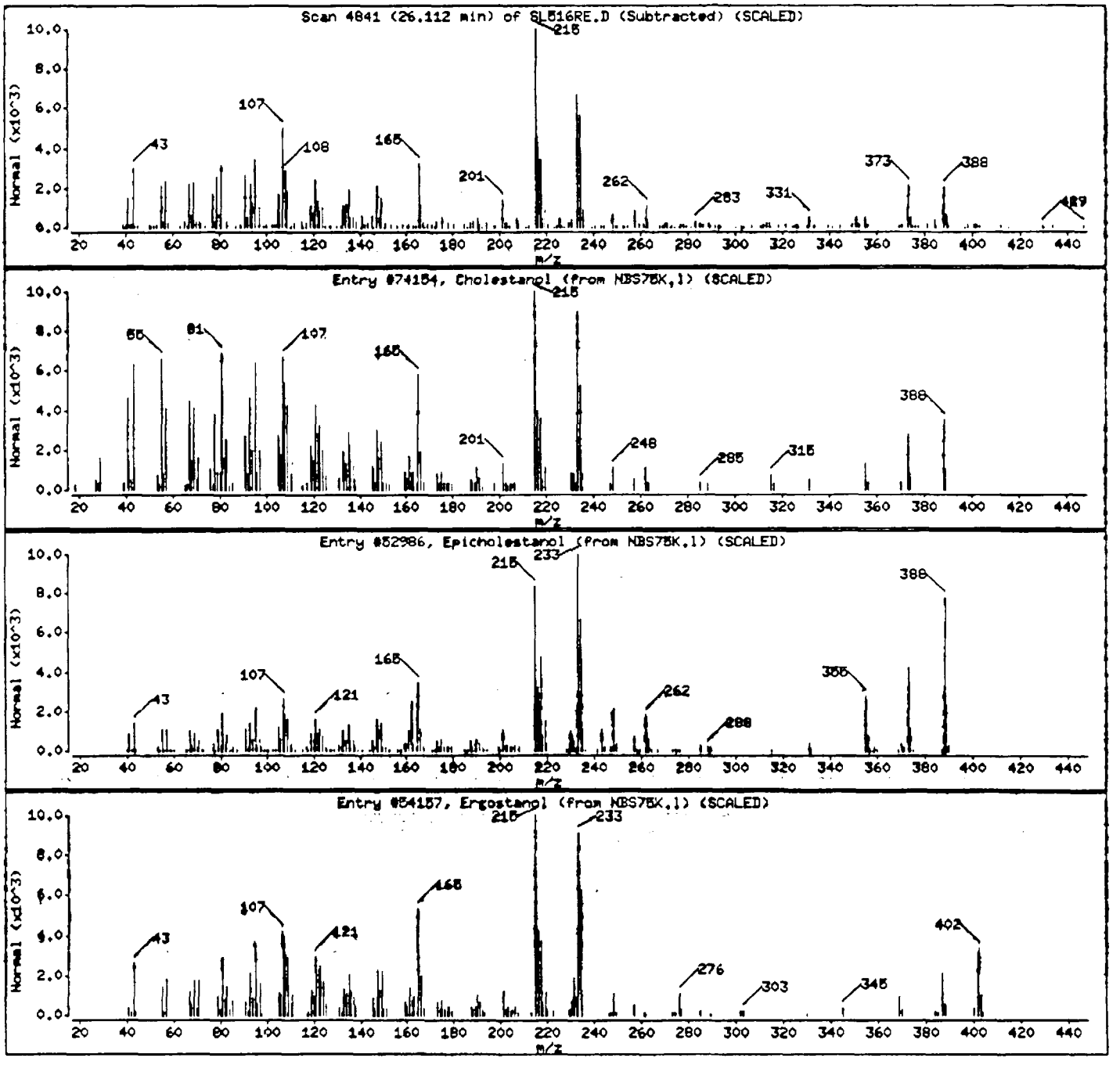
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestanol	80-97-7	NBS75K.l	74154	83	C27H480	388
Epicholestanol	516-95-0	NBS75K.l	52986	62	C27H480	388
Ergostanol	6538-02-9	NBS75K.l	54157	37	C28H500	402



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Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,i-olp90,sub

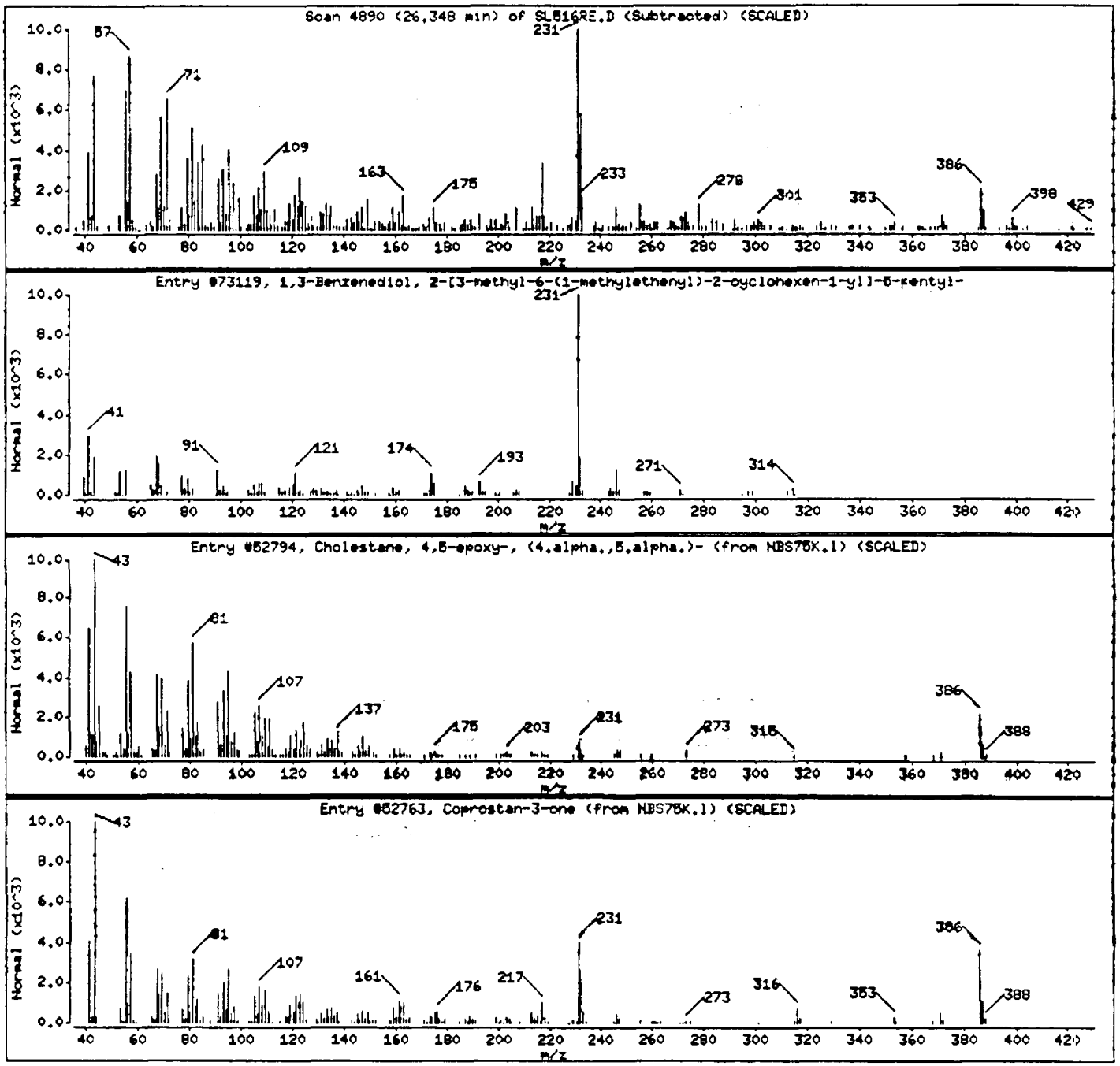
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,3-Benzenediol, 2-[3-methyl-6-(1-methyl	13956-29-1	NBS75K.l	73119	70	C21H3002	314
Cholestane, 4,5-epoxy-, (4.alpha.,5.alph	6079-19-2	NBS75K.l	52794	58	C27H460	386
Coprostan-3-one	0-00-0	NBS75K.l	52763	46	C27H460	386



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Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,1-olp90.sub

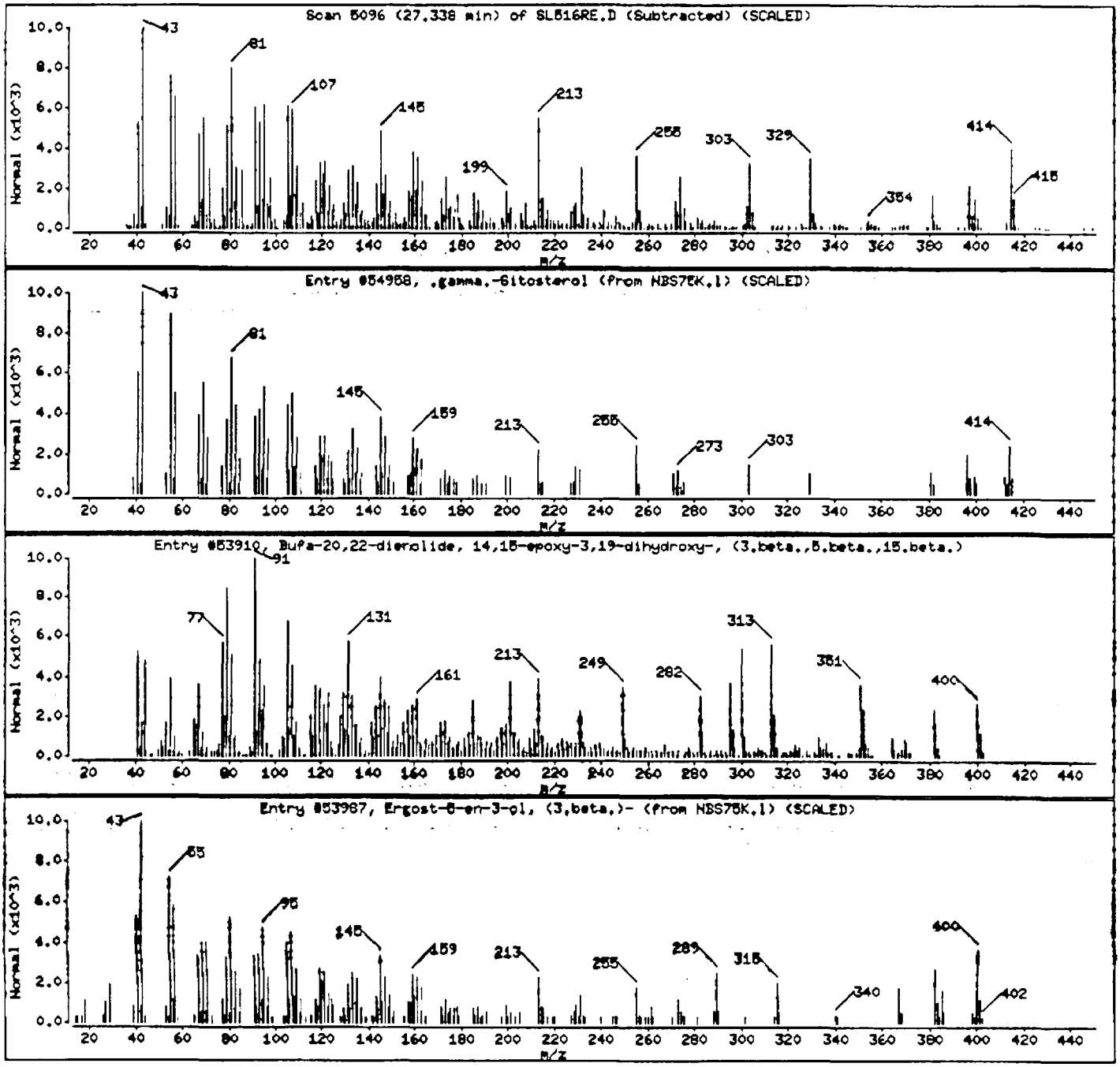
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.l	54958	64	C29H500	414
Bufa-20,22-dienolide, 14,15-epoxy-3,19-d	20987-26-2	NBS75K.l	53910	53	C24H3205	400
Ergost-5-en-3-ol, (3.beta.)-	4651-51-8	NBS75K.l	53987	45	C28H480	400



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Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,1-olp90,sub

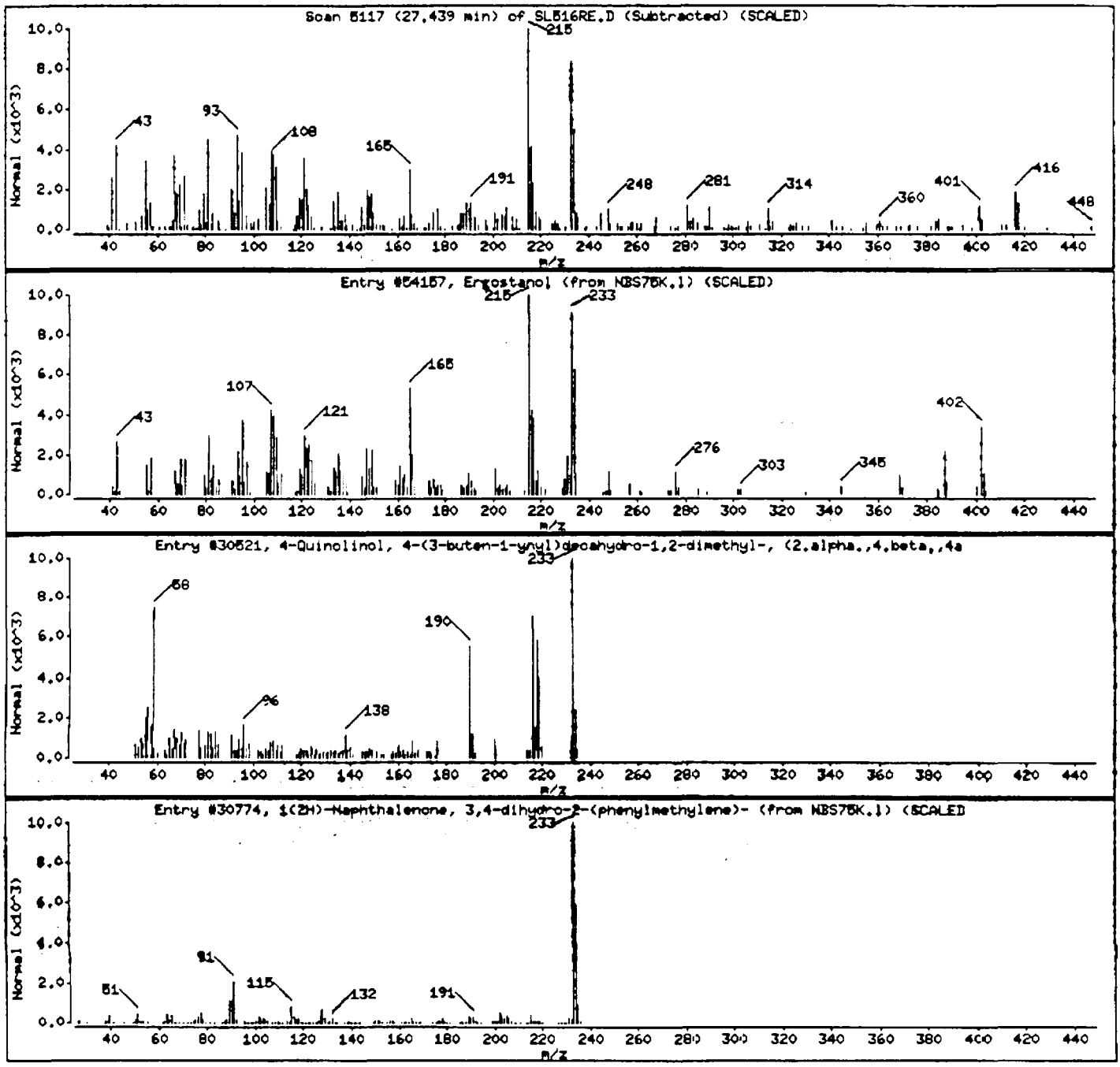
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ergostanol	6538-02-9	NBS75K.l	54157	81	C28H500	402
4-Quinolinol, 4-(3-buten-1-ynyl)decahydr	37982-01-7	NBS75K.l	30521	30	C15H23NO	233
1(2H)-Naphthalenone, 3,4-dihydro-2-(phen	6261-32-1	NBS75K.l	30774	25	C17H14O	234



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Date : 16-OCT-2000 19:46

Client ID: SL51-6'

Instrument: a4hp8.i

Sample Info: djrng30u,01016a.b,olp31,1-olp90.sub

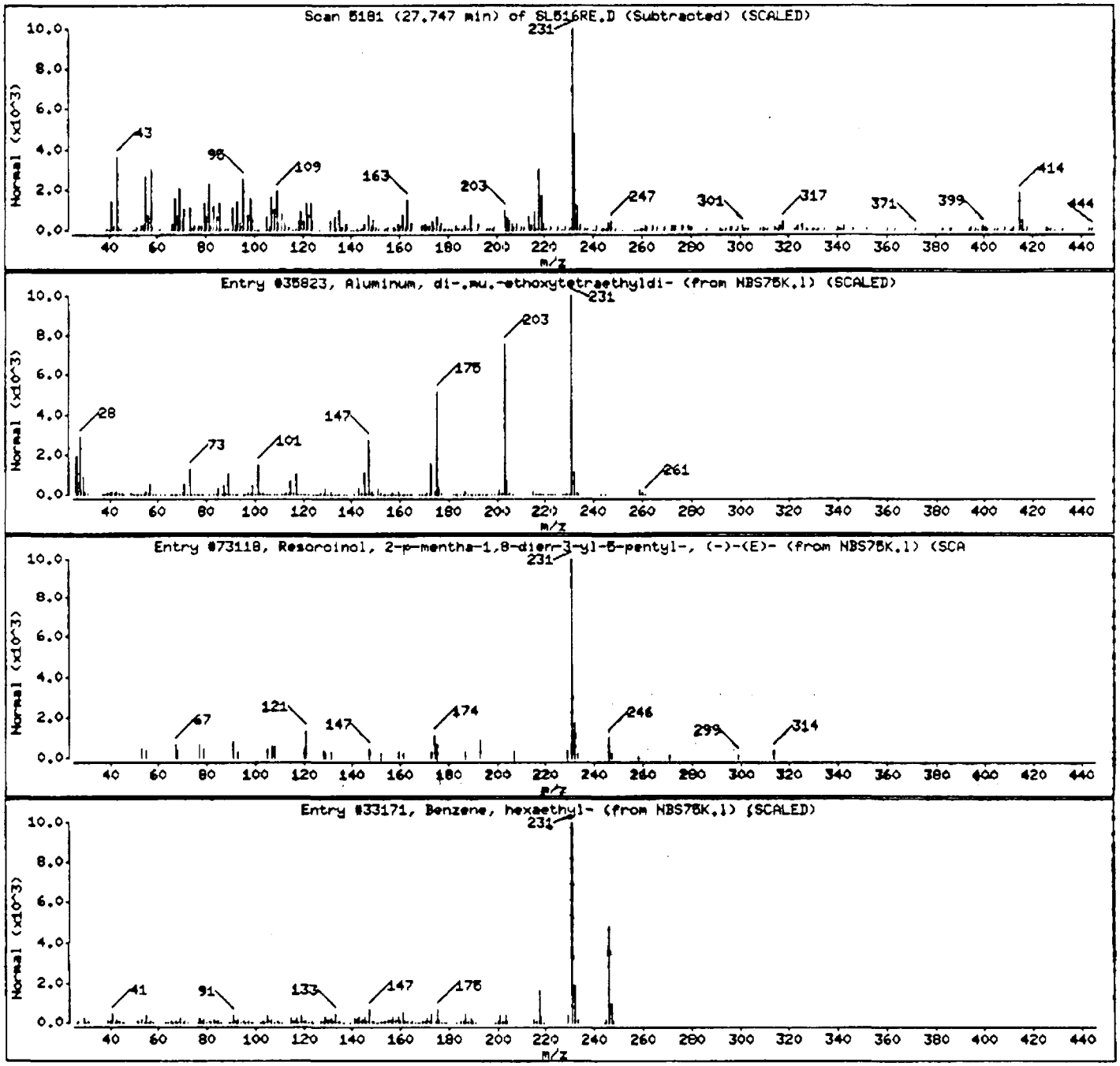
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Aluminum, di-.mu.-ethoxytetraethyldi-	15629-79-5	NBS75K.1	35823	35	C12H30Al2O2	260
Resorcinol, 2-p-mentha-1,8-dien-3-yl-5-p	521-37-9	NBS75K.1	73118	25	C21H30O2	314
Benzene, hexaethyl-	604-88-6	NBS75K.1	33171	25	C18H30	246



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:27

QC Batch: 0249298

Client Sample Id: SL51-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl) ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitrosodi-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:27

QC Batch: 0249298

Client Sample Id: SL51-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethyl phthalate	450	U
7005-72-3	4-Chlorophenyl phenyl ether	450	U
86-73-7	Fluorene	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine	450	U
101-55-3	4-Bromophenyl phenyl ether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butyl phthalate	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	450	U
85-68-7	Butyl benzyl phthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:27

QC Batch: 0249298

Client Sample Id: SL51-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	99	J
117-84-0	Di-n-octyl phthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(ghi)perylene	450	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

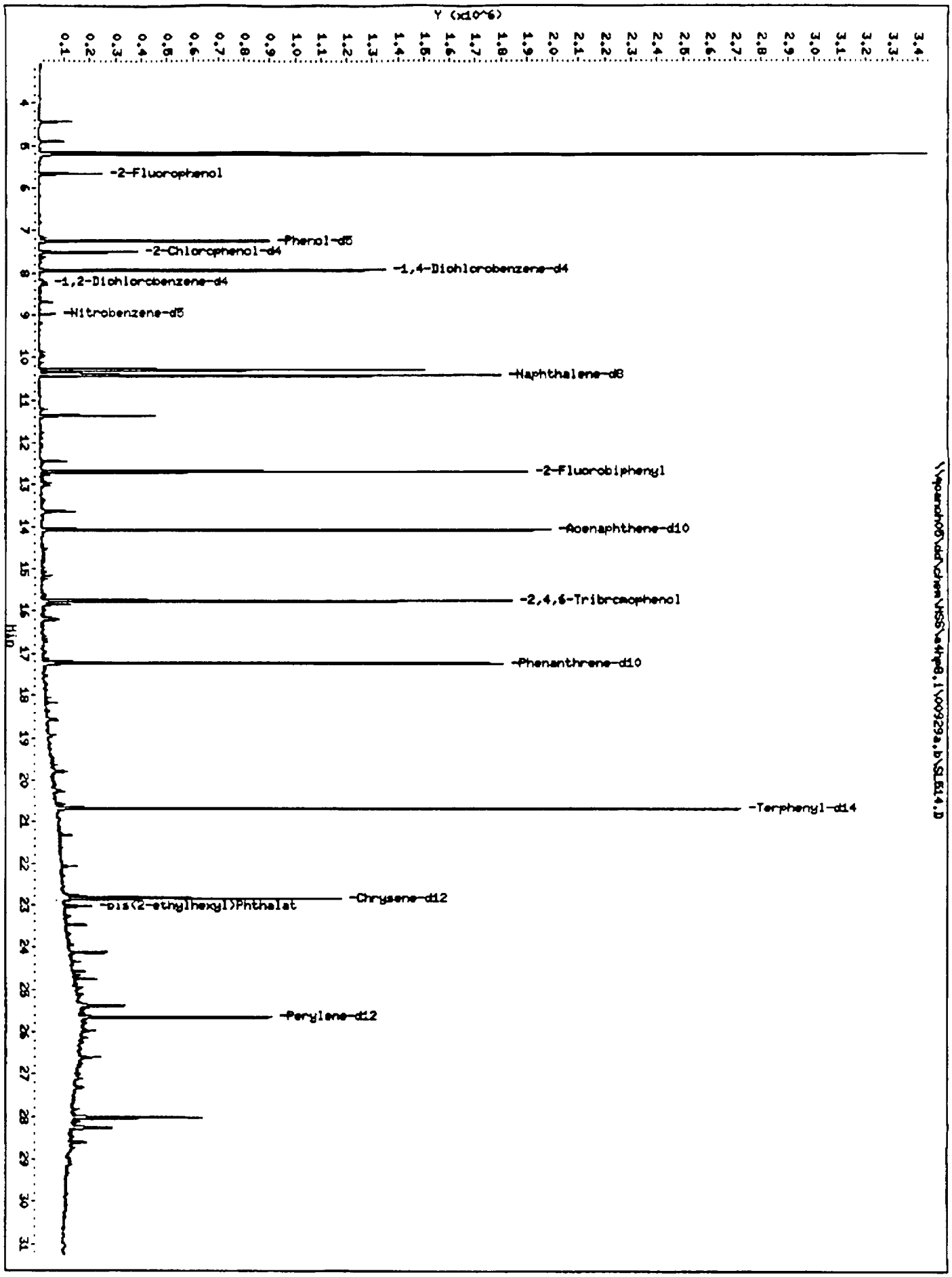
Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:27

QC Batch: 0249298

Client Sample Id: SL51-4'

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.2036	2900	JA
	Unknown	10.296	780	J
	Unknown	10.368	97	J
	Unknown chloro-methyl-phenol	11.363	230	J
	Unknown Hydrocarbon	24.126	130	J
	Unknown Hydrocarbon	24.765	110	J
	Unknown Hydrocarbon	25.381	380	J
	Unknown Hydrocarbon	26.602	140	J
	Unknown	28.035	880	J
	Unknown	28.261	320	J
	Unknown	28.608	140	J


Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514.D
Lab Smp Id: DJRNK10U Client Smp ID: SL51-4'
Inj Date : 29-SEP-2000 22:56
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnk10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.935	7.940	(1.000)	309423	40.0000	
* 2 Naphthalene-d8	136	10.416	10.426	(1.000)	1250154	40.0000	
* 3 Acenaphthene-d10	164	14.080	14.095	(1.000)	730655	40.0000	
* 4 Phenanthrene-d10	188	17.230	17.240	(1.000)	1104347	40.0000	
* 5 Chrysene-d12	240	22.851	22.866	(1.000)	632942	40.0000	
* 6 Perylene-d12	264	25.655	25.665	(1.000)	475614	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

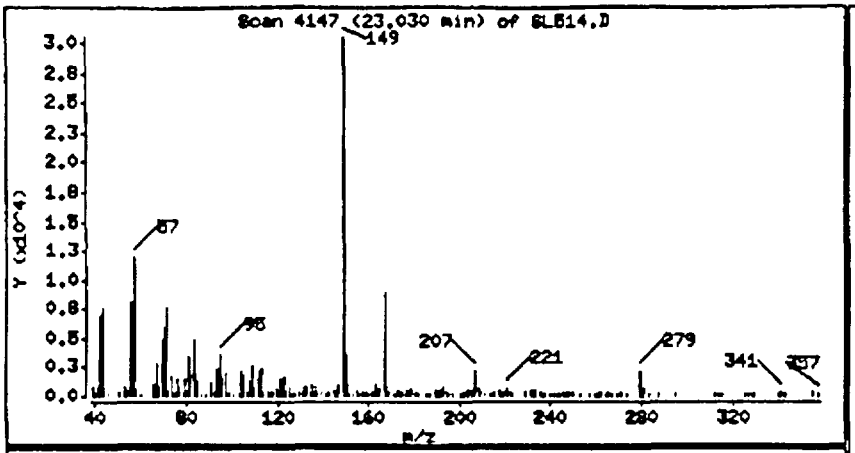
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	Compound Not Detected.					
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

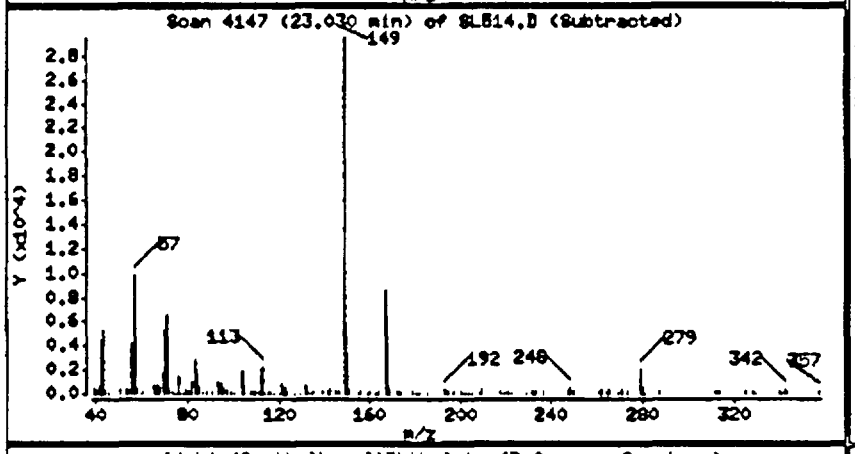
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Xg)
62	Benzo(a)Anthracene	228	Compound Not Detected.					
63	Chrysene	228	Compound Not Detected.					
64	bis(2-ethylhexyl)Phthalate	149	23.029	23.039	(1.008)	52609	4.36234	72(a)
65	Di-n-octylphthalate	149	Compound Not Detected.					
66	Benzo(b)fluoranthene	252	Compound Not Detected.					
67	Benzo(k)fluoranthene	252	Compound Not Detected.					
68	Benzo(a)pyrene	252	Compound Not Detected.					
69	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70	Dibenz(a,h)anthracene	278	Compound Not Detected.					
71	Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72	Nitrobenzene-d5	82	8.978	8.998	(0.862)	32736	2.56681	43(aR)
$ 73	2-Fluorobiphenyl	172	12.686	12.696	(0.901)	928957	46.8580	780
$ 74	Terphenyl-d14	244	20.678	20.683	(0.905)	1662790	108.193	1800
$ 75	Phenol-d5	99	7.247	7.262	(0.913)	510899	36.9676	620
$ 76	2-Fluorophenol	112	5.670	5.670	(0.715)	104342	10.1798	170(aR)
$ 77	2,4,6-Tribromophenol	330	15.754	15.764	(0.914)	346834	137.700	2300(Q)
$ 78	2-Chlorophenol-d4	132	7.507	7.517	(0.946)	155842	17.2062	290(aQ)
$ 79	1,2-Dichlorobenzene-d4	152	8.218	8.223	(1.036)	3542	0.57441	10(a)

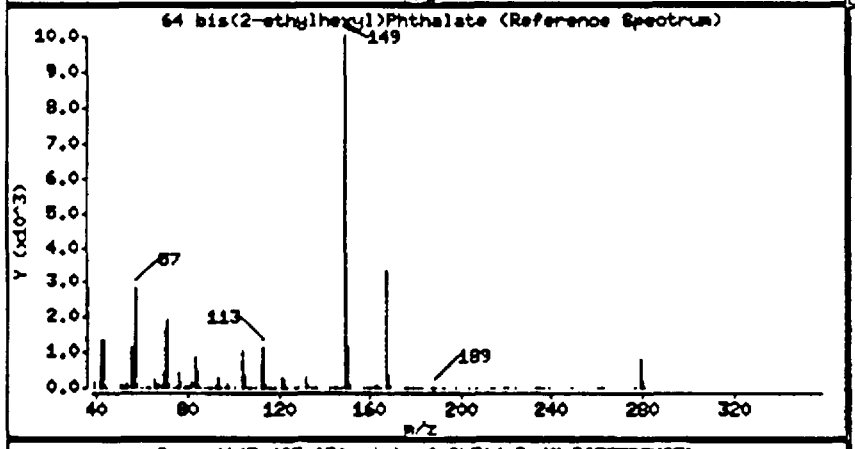
QC Flag Legend

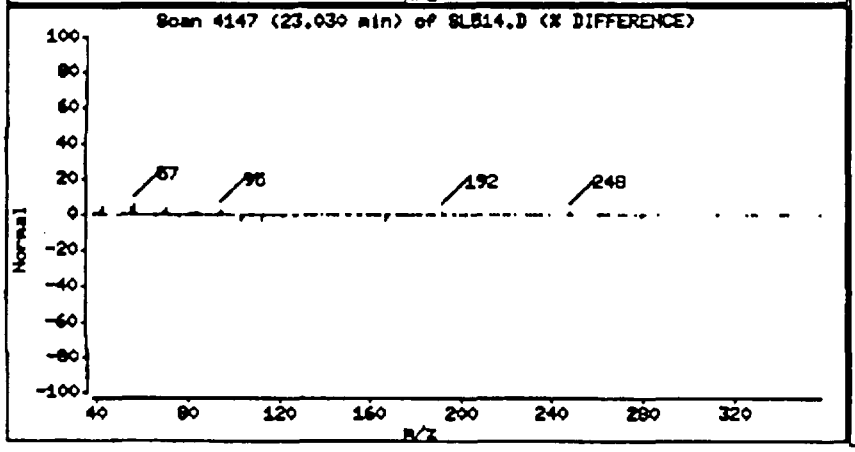
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

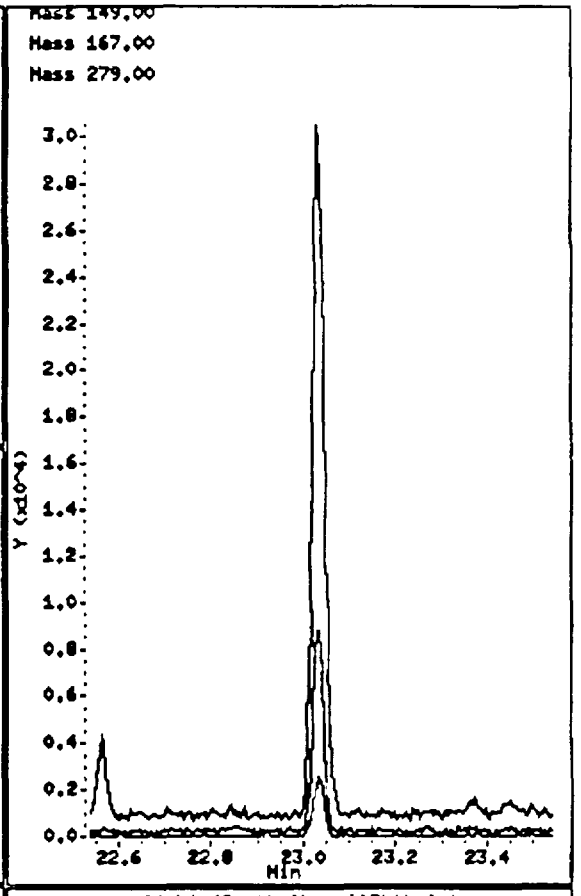
64 bis(2-ethylhexyl)Phthalate

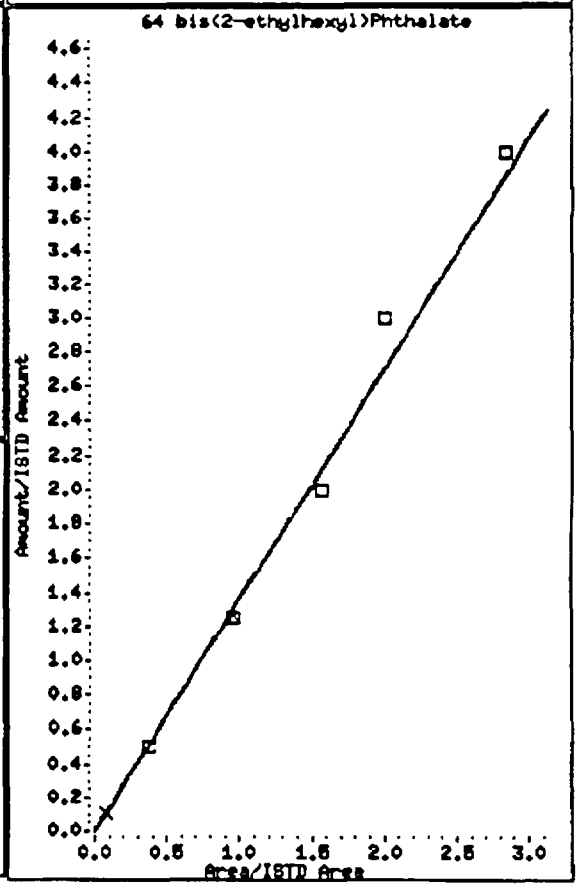












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514.D
Lab Smp Id: DJRNK10U Client Smp ID: SL51-4'
Inj Date : 29-SEP-2000 22:56
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnk10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.935	2047016	40.000
* 2 Naphthalene-d8	10.416	2767298	40.000
* 5 Chrysene-d12	22.852	2021281	40.000
* 6 Perylene-d12	25.655	1371013	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.204	6465615	126.342246	2100	99		0	1
Unknown					CAS #:		
10.296	2382356	34.4358432	570	0		0	2
Unknown					CAS #:		
10.368	297244	4.29652318	71	0		0	2
Unknown chloro-methyl-phenol isomer					CAS #:		
11.364	720111	10.4088681	170	99		0	2
Unknown Hydrocarbon					CAS #:		
24.126	280080	5.54262140	92	99		0	5
Unknown Hydrocarbon					CAS #:		
24.766	159896	4.66504694	78	99		0	6
Unknown Hydrocarbon					CAS #:		
25.381	571059	16.6609485	280	99		0	6
Unknown Hydrocarbon					CAS #:		
26.603	204656	5.97095551	99	99		0	6
Unknown					CAS #:		
28.036	1324948	38.6560174	640	0		0	6
Unknown					CAS #:		
28.262	467766	13.6473042	230	0		0	6
Unknown					CAS #:		
28.608	208261	6.07612100	100	0		0	6

Data File: \\aoanoh05\dd\chem\HSS\a4hp8.i\00929a,b\SL514.D

Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk10u,00929a,b,olp31,1-olp90,sub

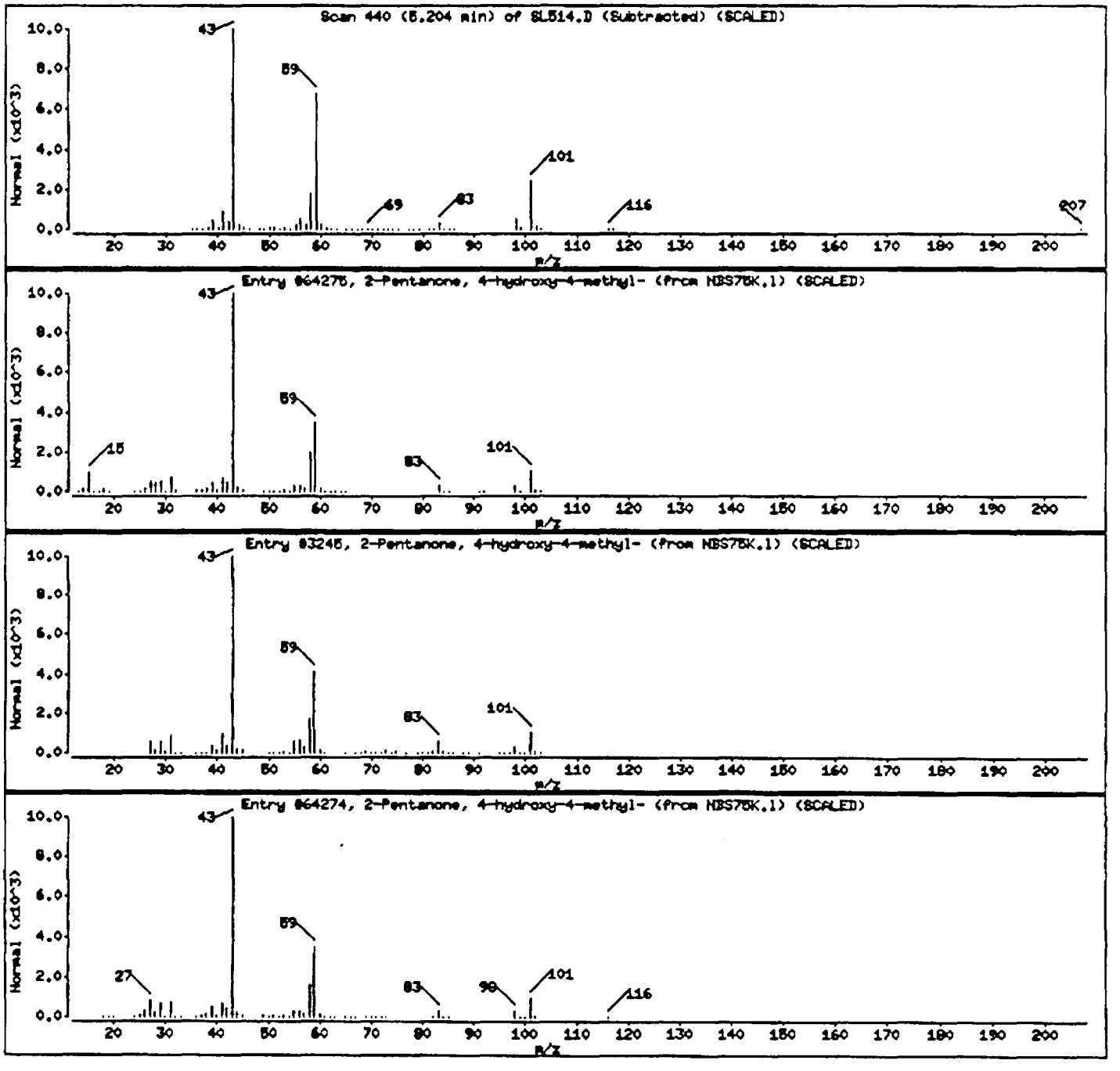
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	50	C6H12O2	116



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514.D

Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk10u,00929a.b,olp31,i-olp90.sub

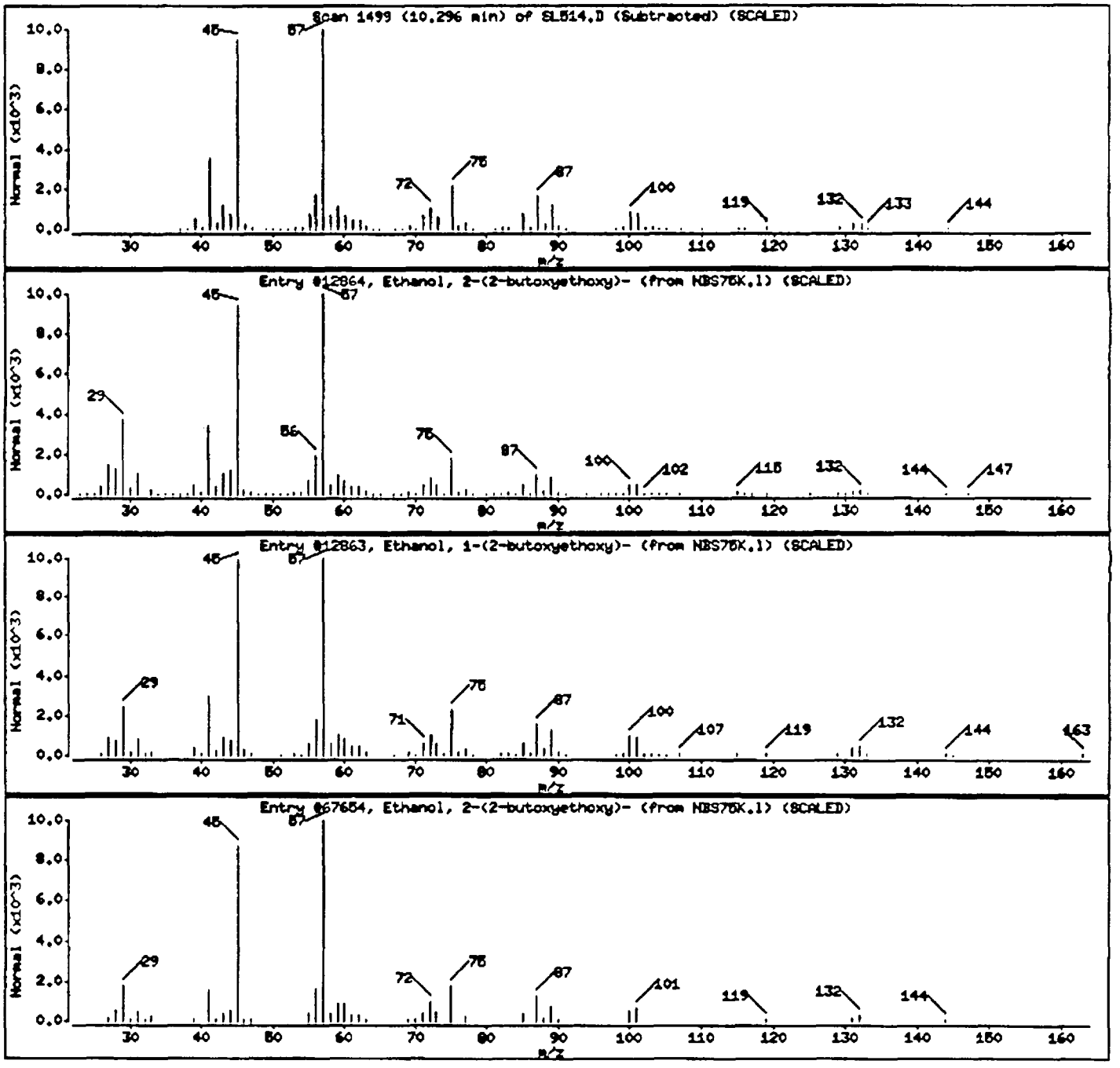
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	12864	90	C8H18O3	162
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.l	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	67654	83	C8H18O3	162



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514.D

Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnki0u,00929a.b,olp31,1-olp90.sub

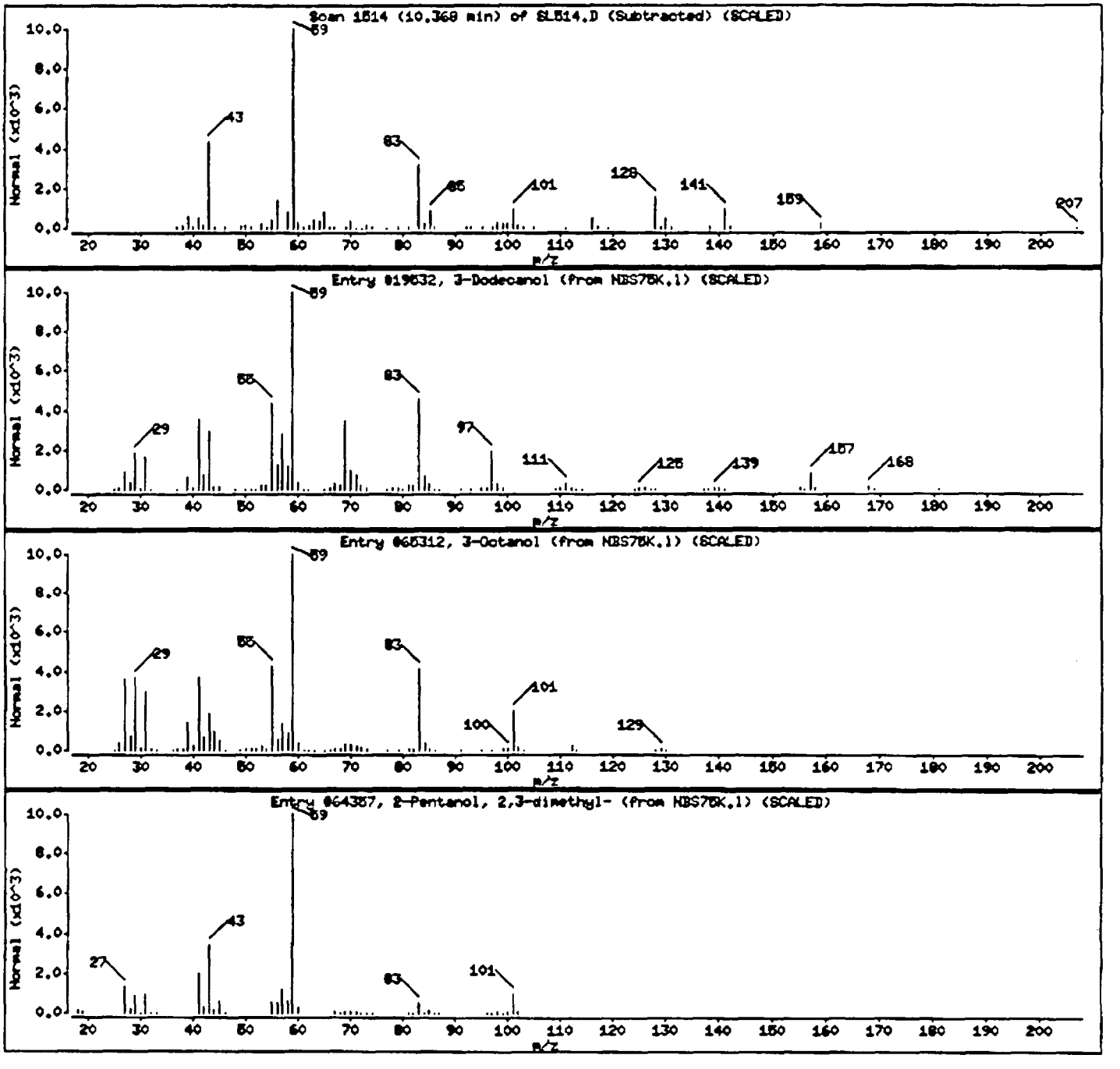
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Dodecanol	10203-30-2	NBS75K.l	19632	36	C12H26O	186
3-Octanol	589-98-0	NBS75K.l	65312	33	C8H18O	130
2-Pentanol, 2,3-dimethyl-	4911-70-0	NBS75K.l	64357	33	C7H16O	116



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL514.D

Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk10u,00929a.b,olp31,1-olp90.sub

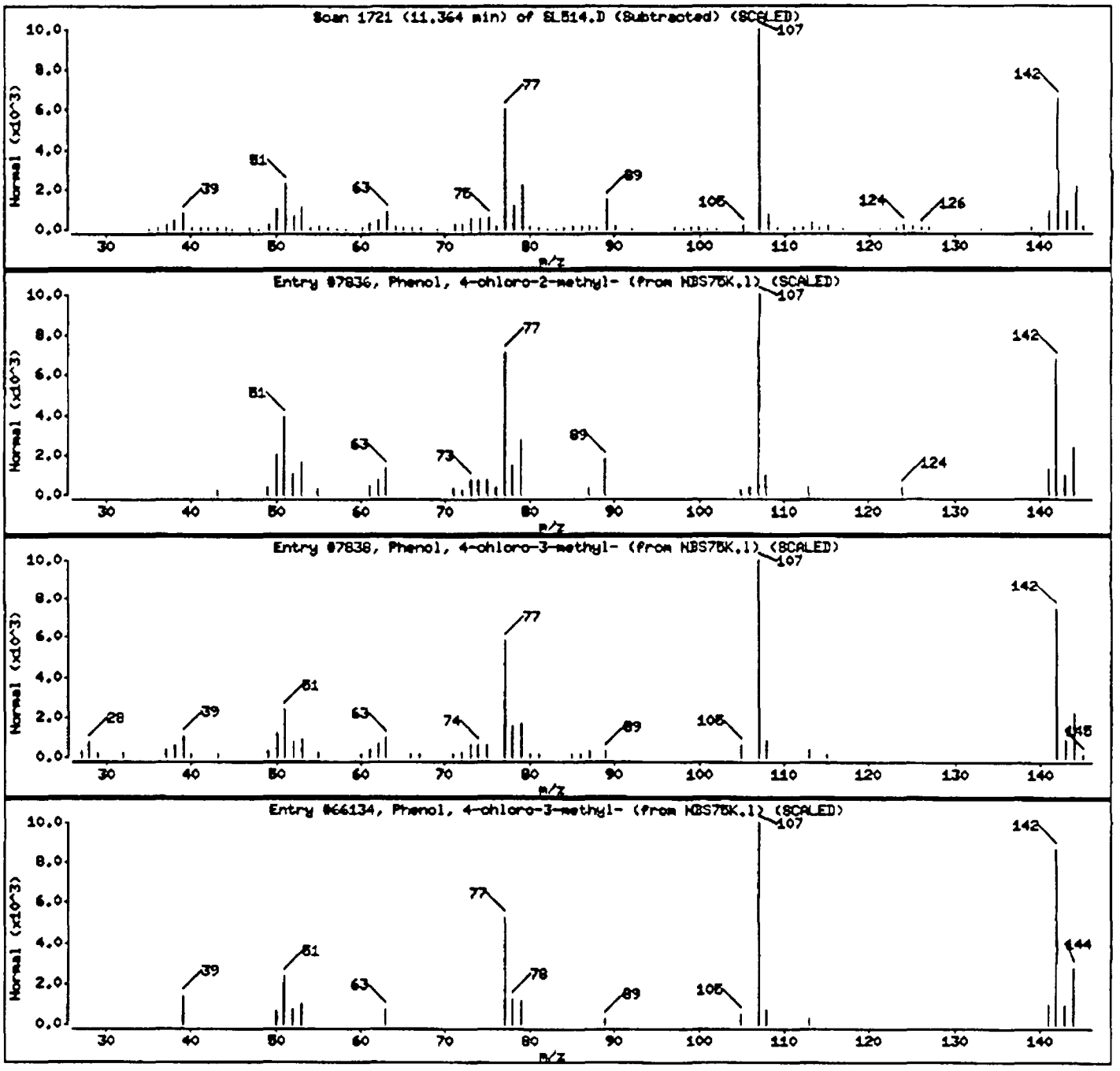
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown chloro-methyl-phenol isomer						
Phenol, 4-chloro-2-methyl-	1570-64-5	NBS75K.l	7836	96	C7H7ClO	142
Phenol, 4-chloro-3-methyl-	59-50-7	NBS75K.l	7838	96	C7H7ClO	142
Phenol, 4-chloro-3-methyl-	59-50-7	NBS75K.l	66134	93	C7H7ClO	142



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL514.D

Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnki0u,00929a.b,olp31,1-olp90.sub

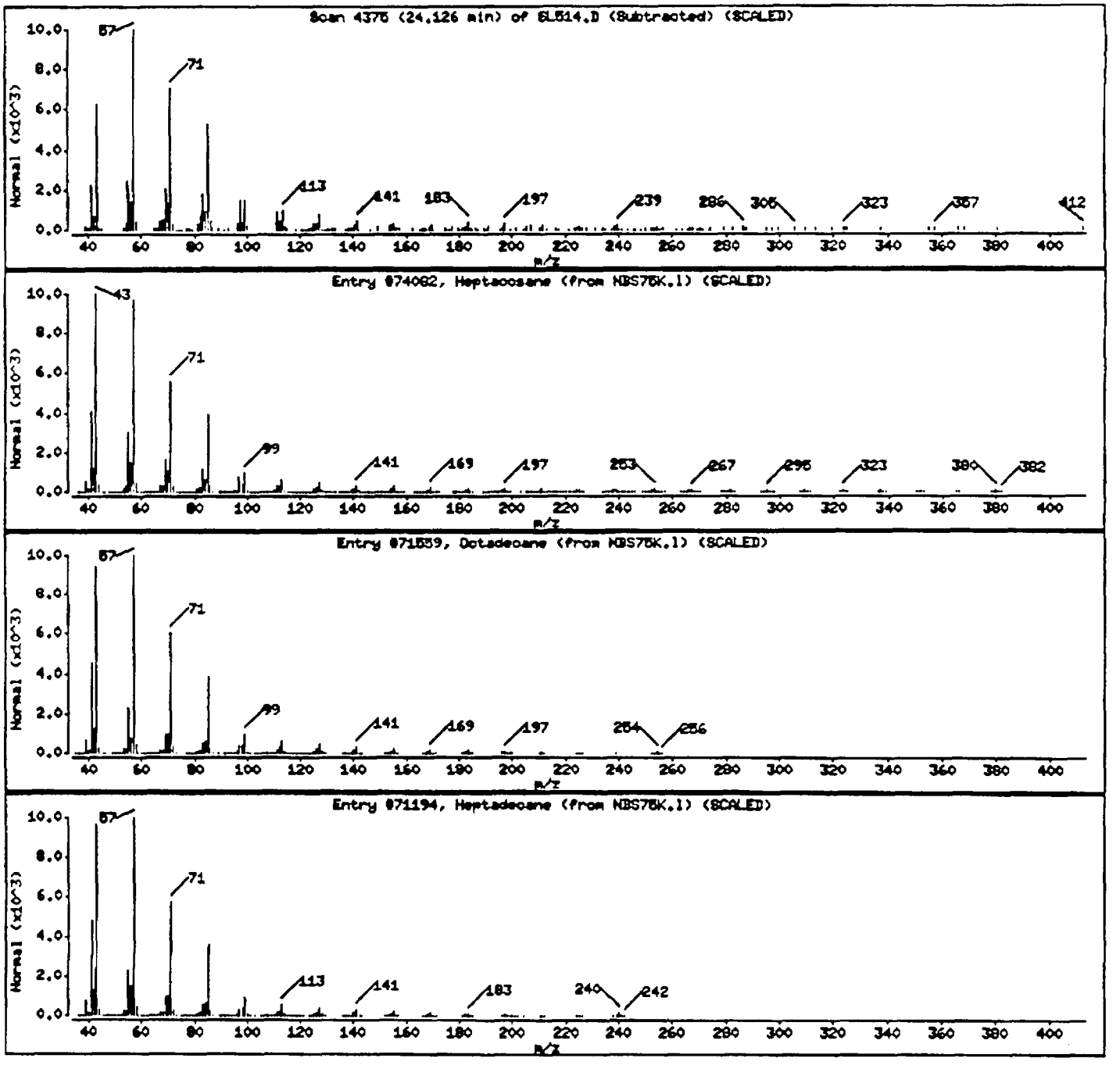
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptacosane	593-49-7	NBS75K.l	74082	96	C27H56	380
Octadecane	593-45-3	NBS75K.l	71559	93	C18H38	254
Heptadecane	629-78-7	NBS75K.l	71194	91	C17H36	240



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL514.D

Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk10u,00929a.b,olp31,1-olp90.sub

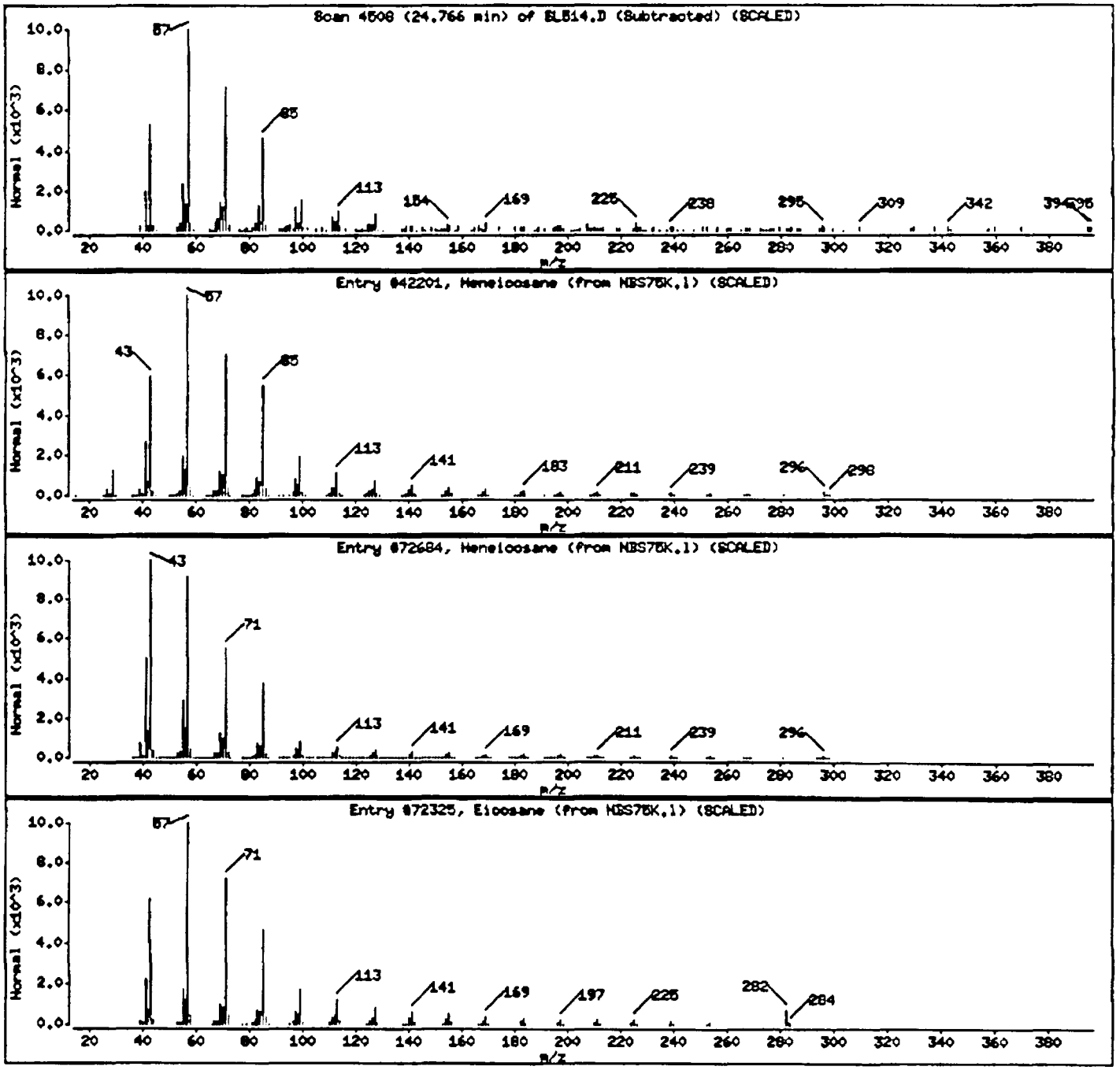
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heneicosane	629-94-7	NBS75K.l	42201	93	C21H44	296
Heneicosane	629-94-7	NBS75K.l	72684	93	C21H44	296
Eicosane	112-95-8	NBS75K.l	72325	87	C20H42	282



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514.D

Page 16

Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk10u,00929a.b,clp31,1-clp90.sub

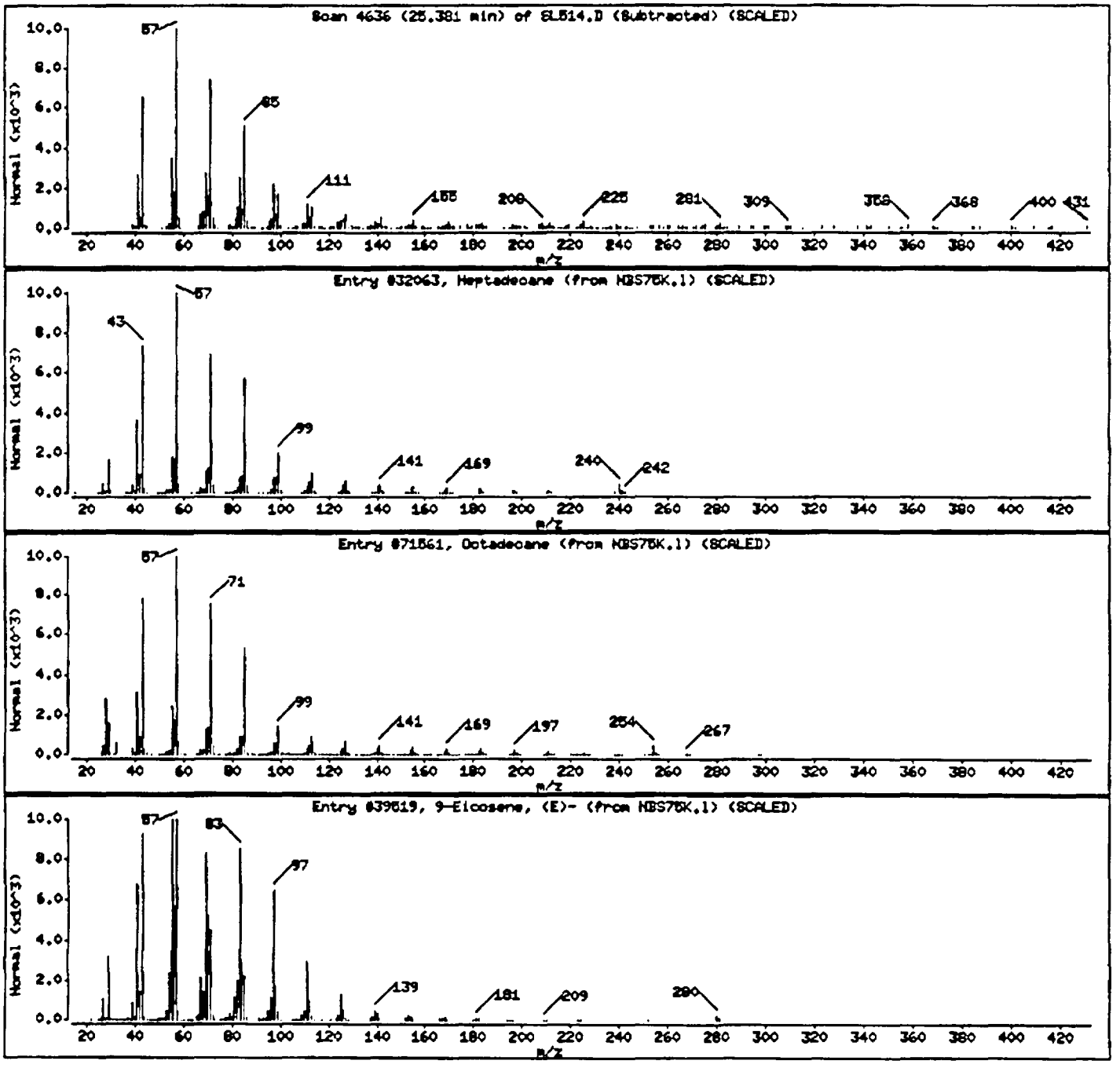
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptadecane	629-78-7	NBS75K.l	32063	96	C17H36	240
Octadecane	593-45-3	NBS75K.l	71561	95	C18H38	254
9-Eicosene, (E)-	74685-29-3	NBS75K.l	39519	91	C20H40	280



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnki0u,00929a.b,olp31,1-olp90,sub

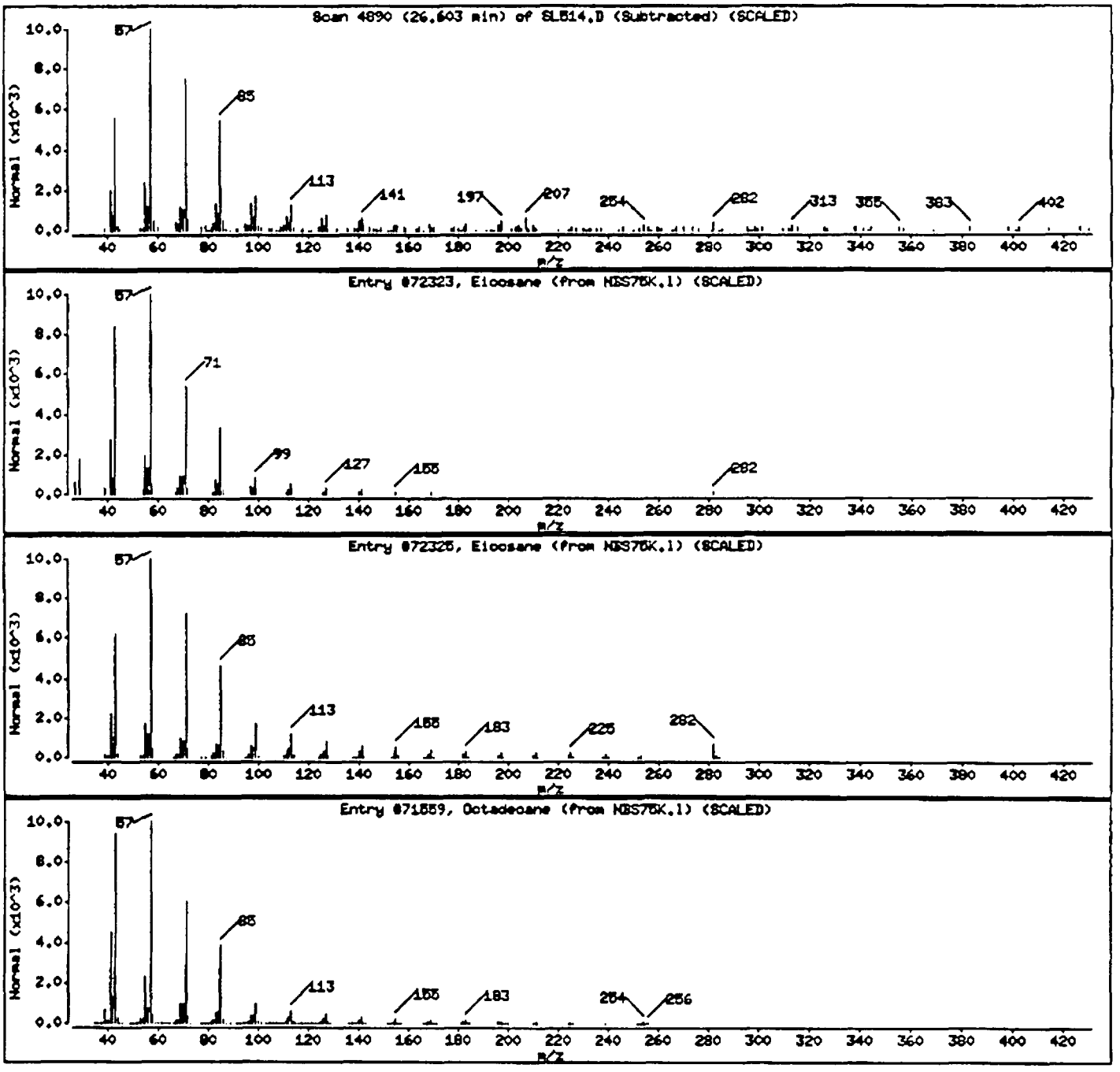
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Eicosane	112-95-8	NBS75K.l	72323	97	C20H42	282
Eicosane	112-95-8	NBS75K.l	72325	93	C20H42	282
Octadecane	593-45-3	NBS75K.l	71559	93	C18H38	254



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrmk10u,00929a.b,olp31,1-olp90.sub

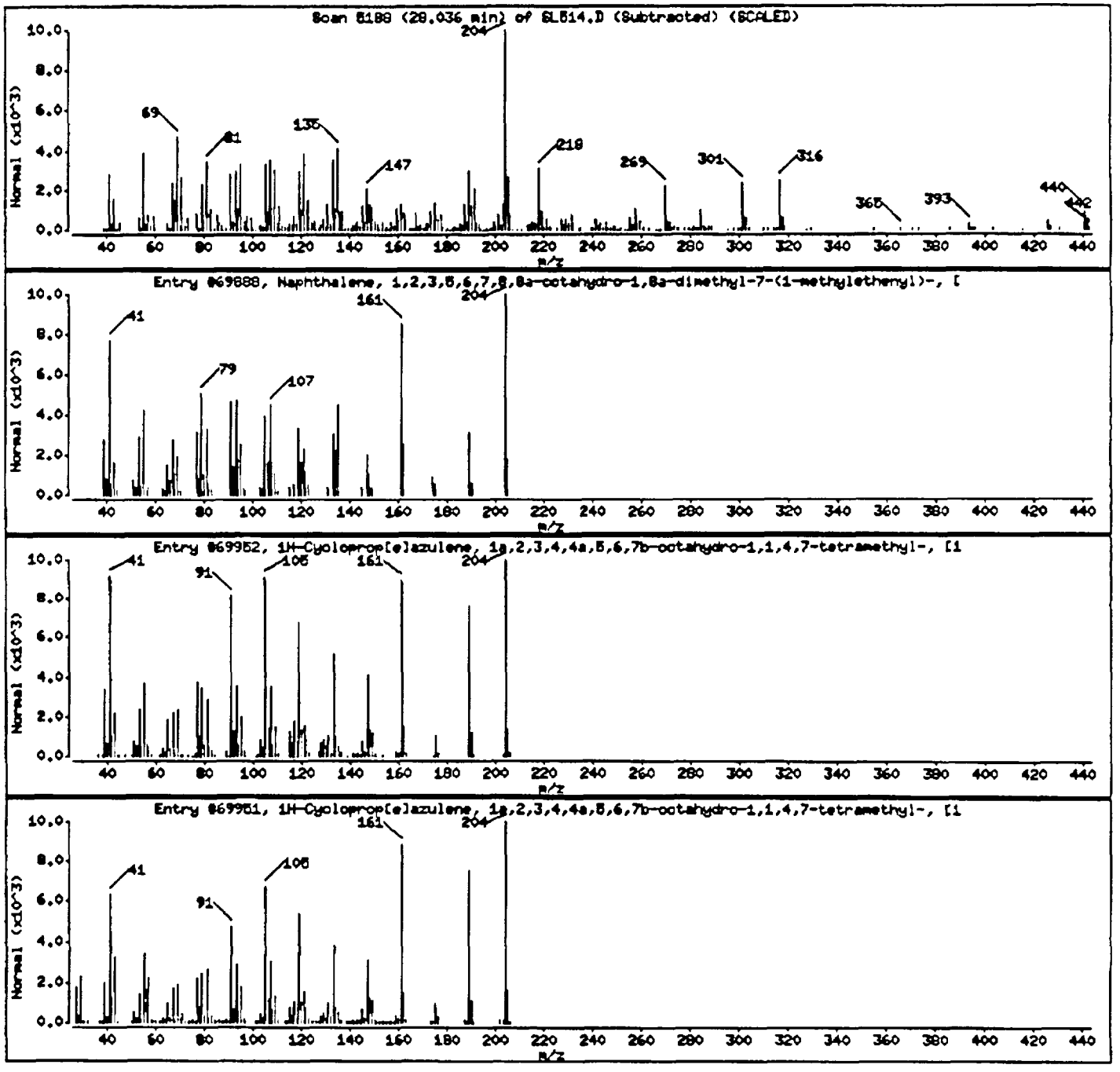
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.l	69888	43	C15H24	204
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69952	30	C15H24	204
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69951	30	C15H24	204



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk10u,00929a.b,olp31,1-olp90,sub

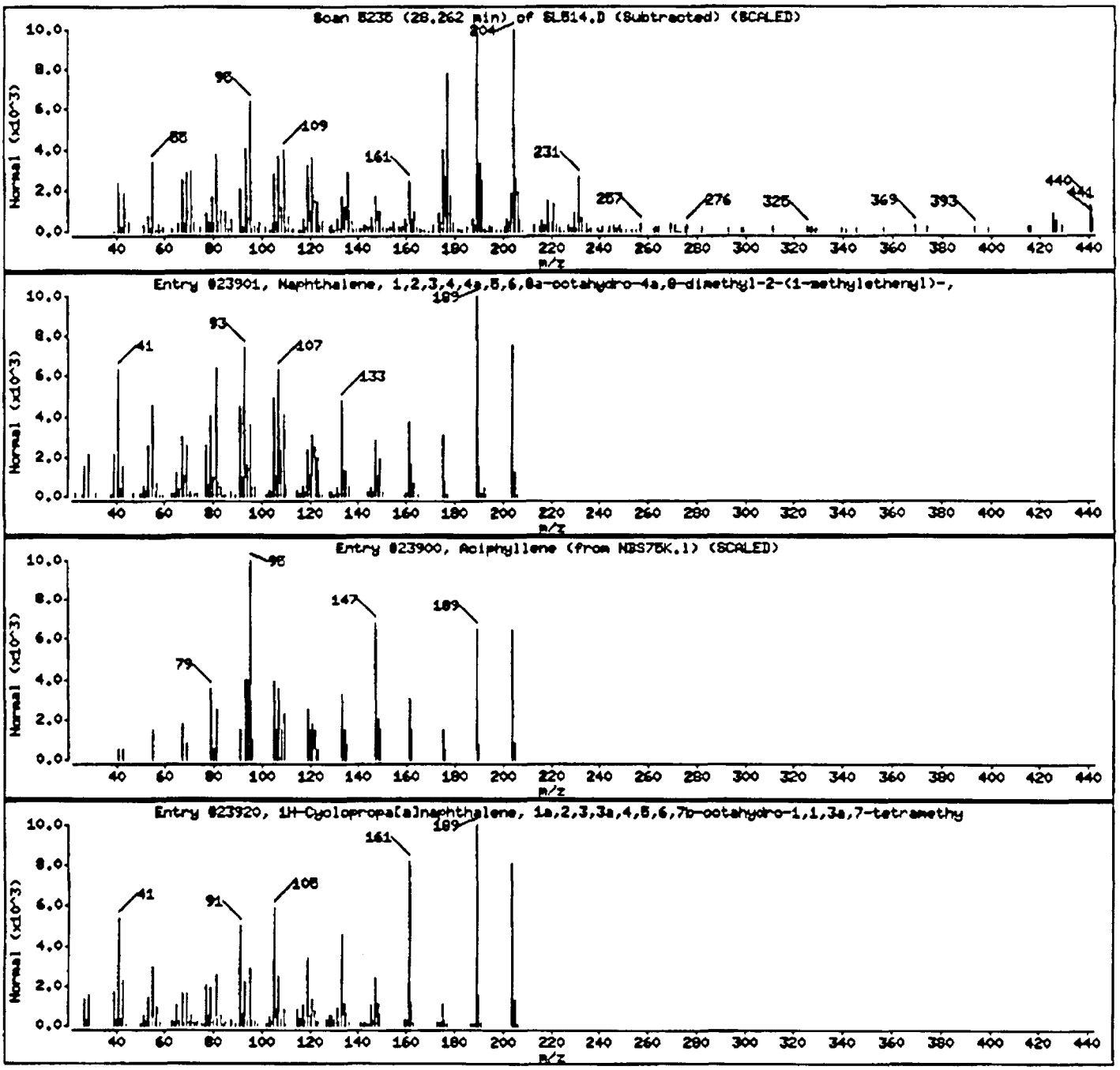
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro	473-13-2	NBS75K.l	23901	46	C15H24	204
Aciphyllene	87745-31-1	NBS75K.l	23900	46	C15H24	204
1H-Cyclopropa[a]naphthalene, 1a,2,3,3a,4	489-29-2	NBS75K.l	23920	45	C15H24	204



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk10u,00929a.b,olp31,1-olp90.sub

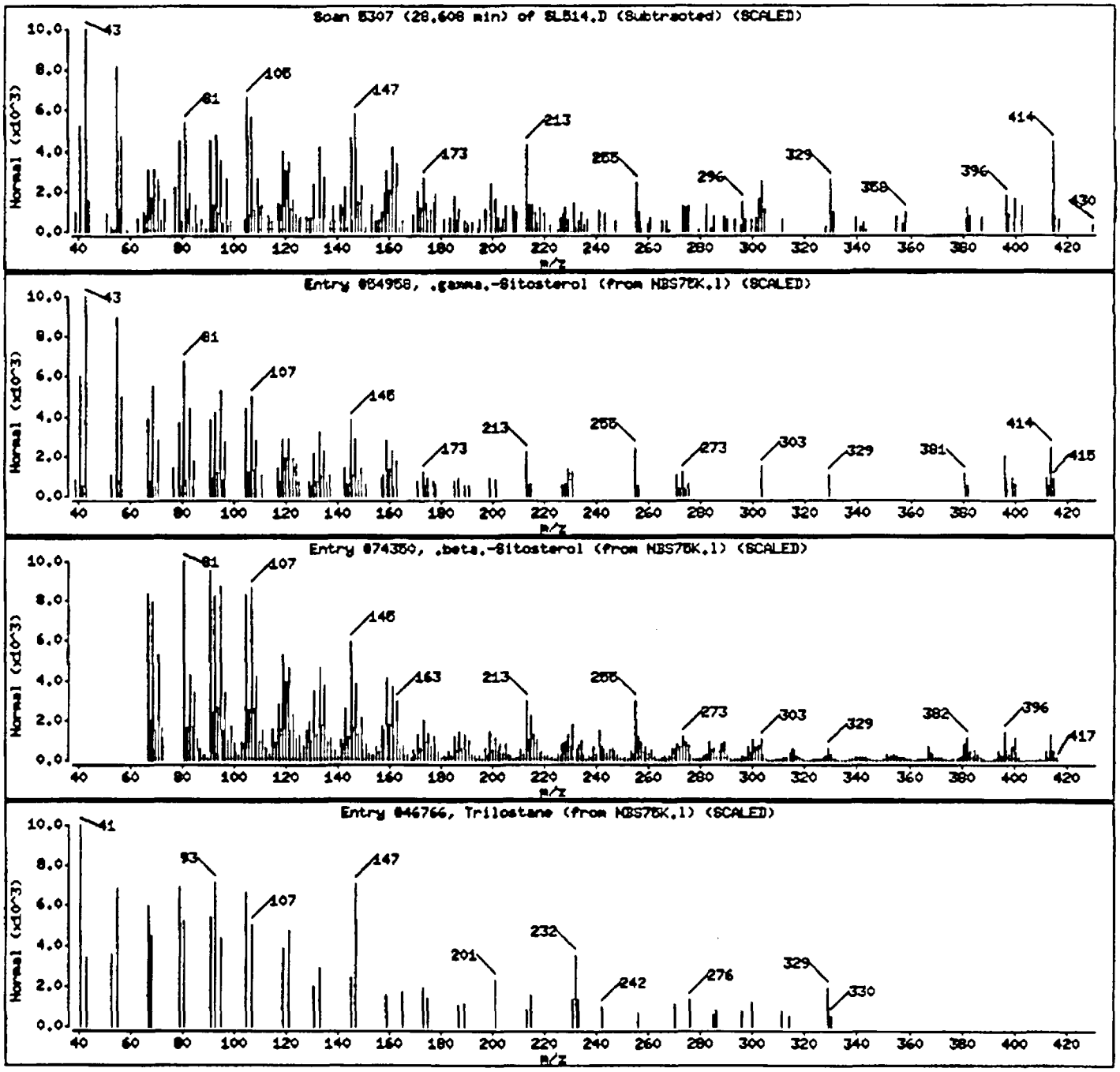
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.l	54958	60	C29H500	414
.beta.-Sitosterol	83-46-5	NBS75K.l	74350	27	C29H500	414
Trilostane	13647-35-3	NBS75K.l	46766	12	C20H27N03	329



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:27

QC Batch: 0271338

Client Sample Id: SL51-4' -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl) ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitrosodi-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:27

QC Batch: 0271338

Client Sample Id: SL51-4' -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethyl phthalate	450	U
7005-72-3	4-Chlorophenyl phenyl ether	450	U
86-73-7	Fluorene	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine	450	U
101-55-3	4-Bromophenyl phenyl ether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butyl phthalate	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	97	J
85-68-7	Butyl benzyl phthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:27

QC Batch: 0271338

Client Sample Id: SL51-4' -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	47	J
117-84-0	Di-n-octyl phthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(ghi)perylene	450	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 004
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:27

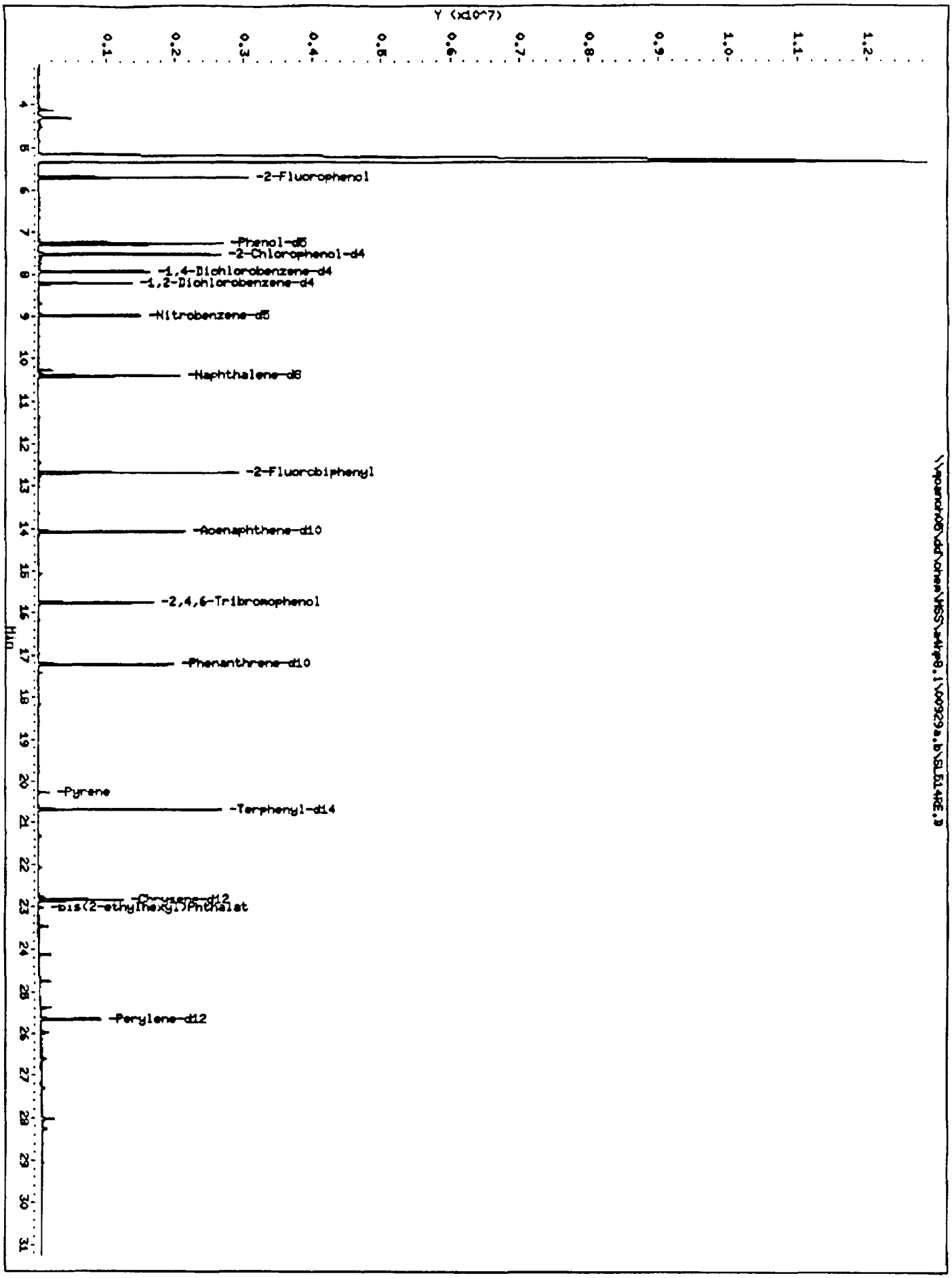
QC Batch: 0271338

Client Sample Id: SL51-4' -RE 1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.3361	30000	JA
	Unknown Hydrocarbon	23.465	99	J
	Unknown Hydrocarbon	24.124	120	J
	Unknown Hydrocarbon	24.763	150	J
	Unknown Hydrocarbon	25.374	150	J
	Unknown Hydrocarbon	25.97	120	J
	Unknown	28.028	290	J

FORM I - TIC


Y (x10^7)
0.1
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1.2
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Pyrene
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12
Min
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STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514RE.D
Lab Smp Id: DJRNK20U Client Smp ID: SL51-4'
Inj Date : 30-SEP-2000 04:49
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnk20u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.937	7.940	(1.000)	368098	40.0000	
* 2 Naphthalene-d8	136	10.414	10.426	(1.000)	1485116	40.0000	
* 3 Acenaphthene-d10	164	14.078	14.095	(1.000)	846866	40.0000	
* 4 Phenanthrene-d10	188	17.228	17.240	(1.000)	1248410	40.0000	
* 5 Chrysene-d12	240	22.849	22.866	(1.000)	723842	40.0000	
* 6 Perylene-d12	264	25.658	25.665	(1.000)	555905	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

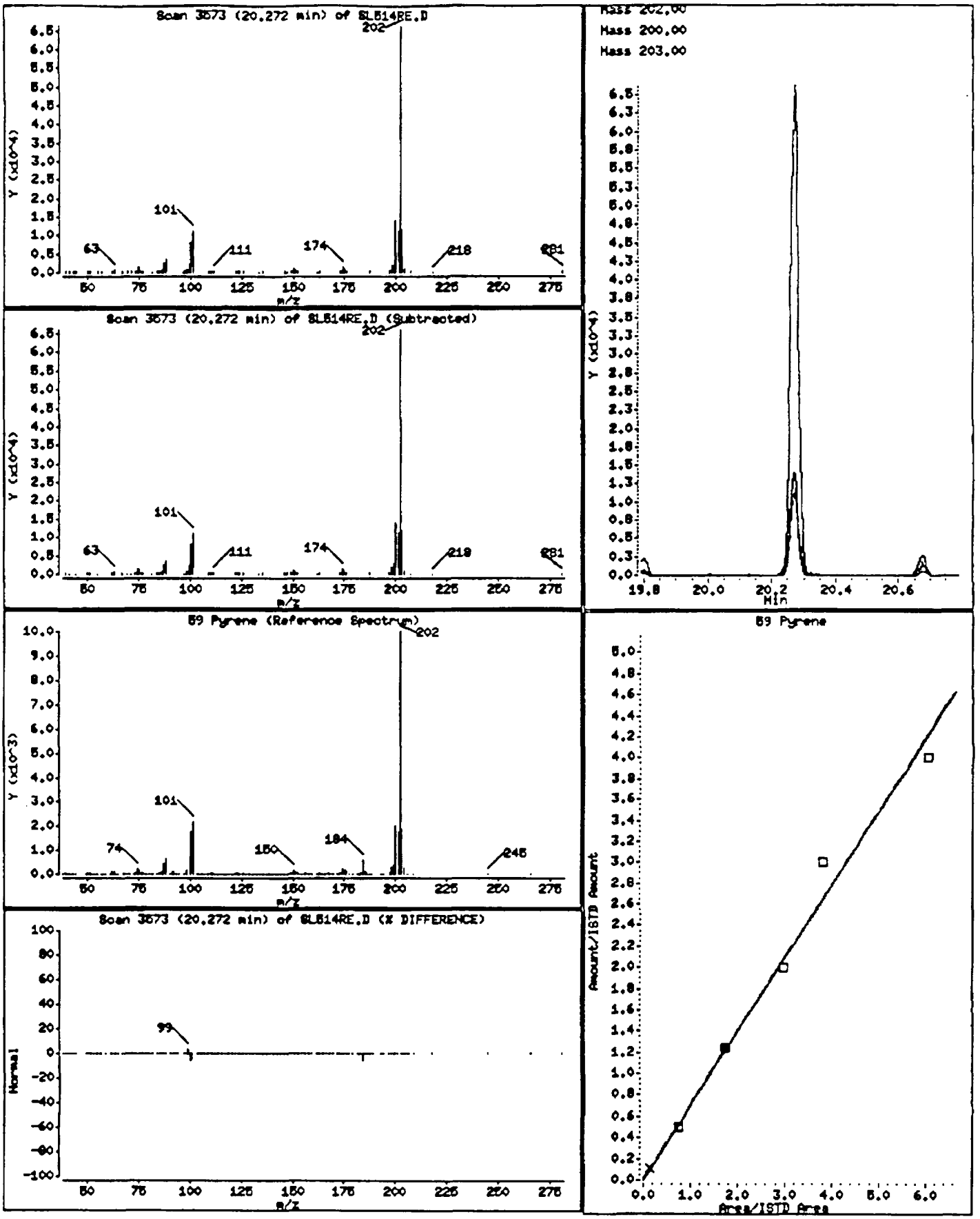
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	20.272	20.289	(0.887)	108930	4.26992	71(a)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	Compound Not Detected.					
63 Chrysene	228	Compound Not Detected.					
64 bis(2-ethylhexyl)Phthalate	149	23.027	23.039	(1.008)	28544	2.06964	34(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	Compound Not Detected.					
67 Benzo(k)fluoranthene	252	Compound Not Detected.					
68 Benzo(a)pyrene	252	Compound Not Detected.					
69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.985	8.998	(0.863)	863269	56.9794	950
$ 73 2-Fluorobiphenyl	172	12.688	12.696	(0.901)	1538189	66.9415	1100
$ 74 Terphenyl-d14	244	20.676	20.683	(0.905)	1668818	94.9494	1600
$ 75 Phenol-d5	99	7.269	7.262	(0.916)	1713580	104.227	1700
$ 76 2-Fluorophenol	112	5.706	5.670	(0.719)	1173812	96.2646	1600
$ 77 2,4,6-Tribromophenol	330	15.751	15.764	(0.914)	323851	113.738	1900(Q)
$ 78 2-Chlorophenol-d4	132	7.519	7.517	(0.947)	1136104	105.441	1800(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.221	8.223	(1.036)	314254	42.8394	710

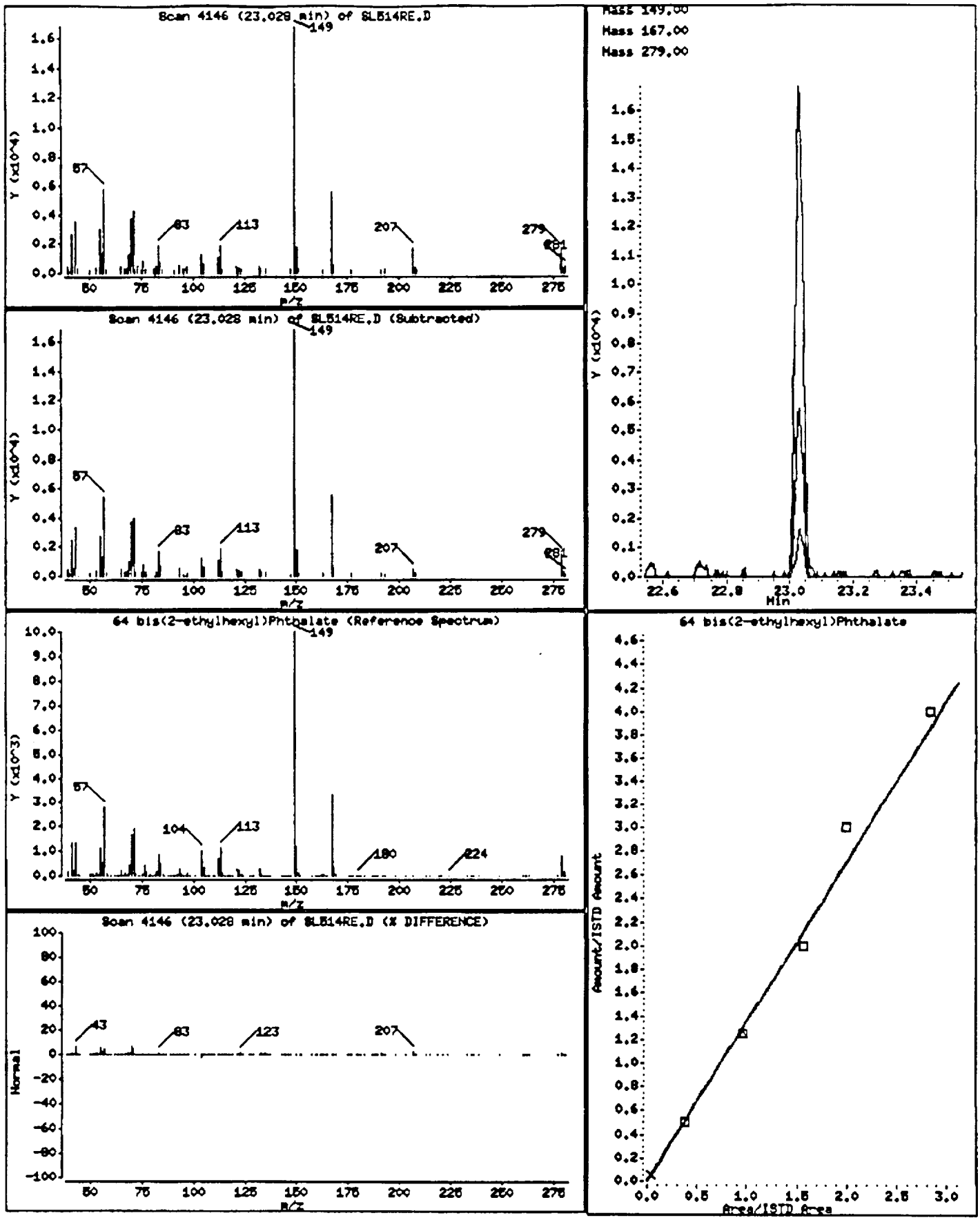
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

59 Pyrene


Scan 3573 (20.272 min) of SL514RE.D
Scan 3573 (20.272 min) of SL514RE.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3573 (20.272 min) of SL514RE.D (% DIFFERENCE)
Y (x10^4)
Y (x10^3)
Normal
m/z
Mass 202.00
Mass 200.00
Mass 203.00
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

64 bis(2-ethylhexyl)Phthalate



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514RE.D
Lab Smp Id: DJRNK20U Client Smp ID: SL51-4'
Inj Date : 30-SEP-2000 04:49
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnk20u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.050	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.938	2382904	40.000
* 5 Chrysene-d12	22.850	2157549	40.000
* 6 Perylene-d12	25.658	1607254	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate				CAS #:			
5.336	80848708	1357.14587	22000	99		0	1

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	QUANT LIB ENTRY	CPND #
Unknown Hydrocarbon					CAS #:		
23.465	232671	4.31361698	72	99		0	5
Unknown Hydrocarbon					CAS #:		
24.124	290230	5.38073527	90	99		0	5
Unknown Hydrocarbon					CAS #:		
24.764	274298	6.82650035	110	99		0	6
Unknown Hydrocarbon					CAS #:		
25.374	262028	6.52113481	110	99		0	6
Unknown Hydrocarbon					CAS #:		
25.971	208542	5.19001975	86	99		0	6
Unknown					CAS #:		
28.029	497561	12.3828841	210	0		0	6

Data File: \\mpanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL514RE.D

Date : 30-SEP-2000 04:49

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a,b,clp31,1-clp90,sub

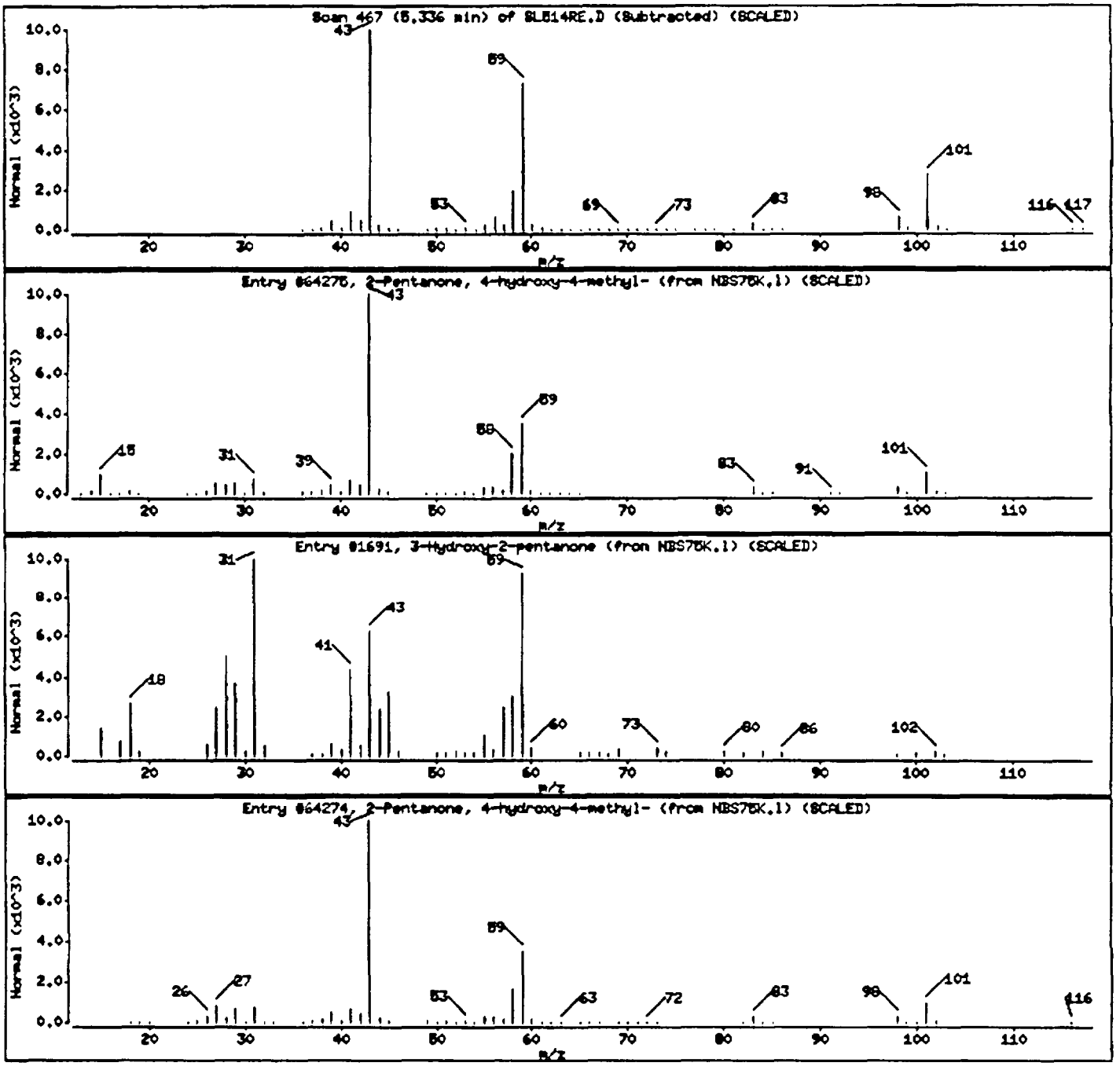
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64275	64	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.1	1691	33	C5H10O2	102
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	32	C6H12O2	116



Data File: \\wpanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL814RE.D

Date : 30-SEP-2000 04:49

Client ID: SL81-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a.b,olp31,i-olp90.sub

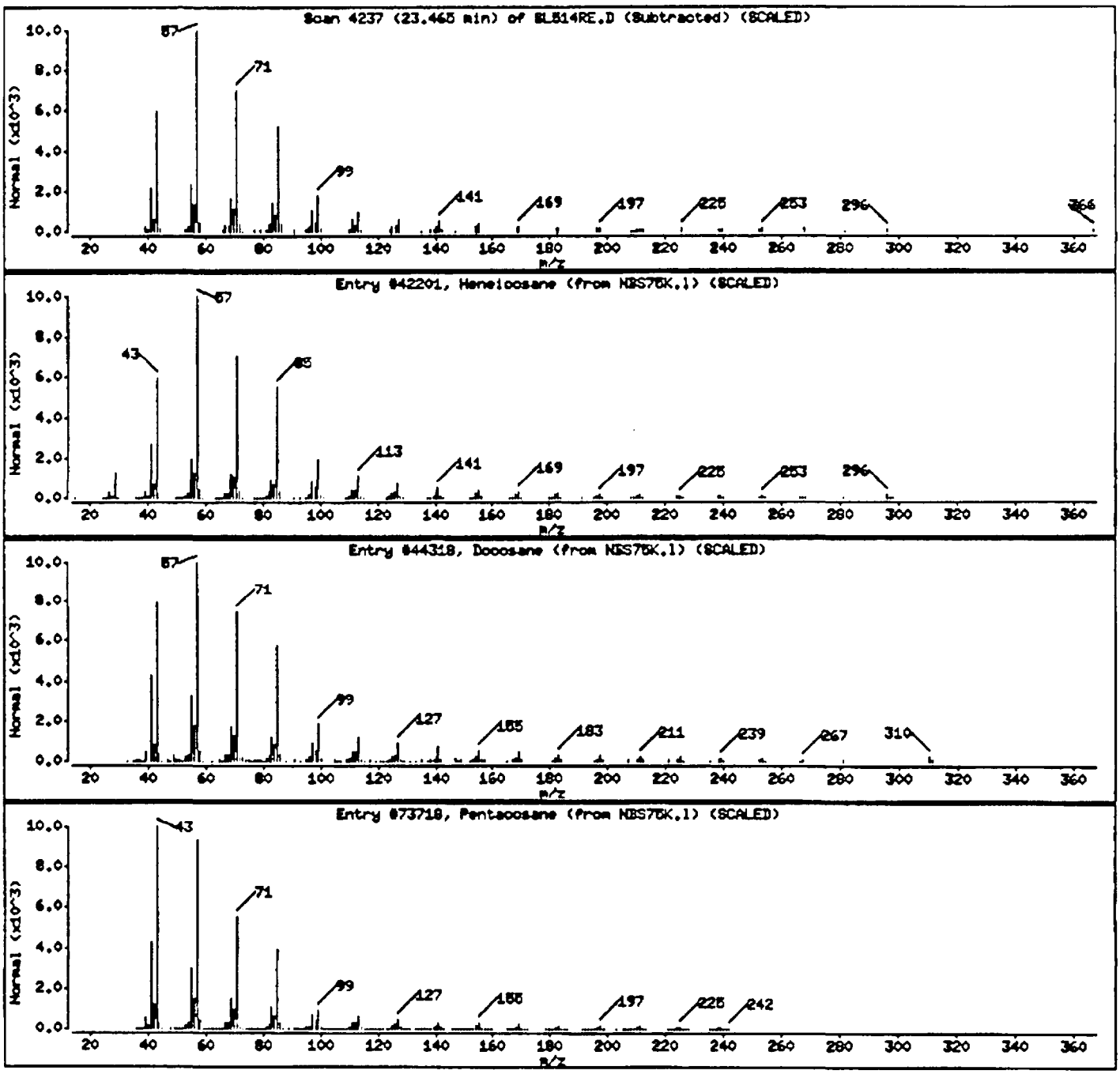
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heneicosane	629-94-7	NBS75K.l	42201	98	C21H44	296
Docosane	629-97-0	NBS75K.l	44318	91	C22H46	310
Pentacosane	629-99-2	NBS75K.l	73718	91	C25H52	352



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Date : 30-SEP-2000 04:49

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a.b,olp31,1-olp90,sub

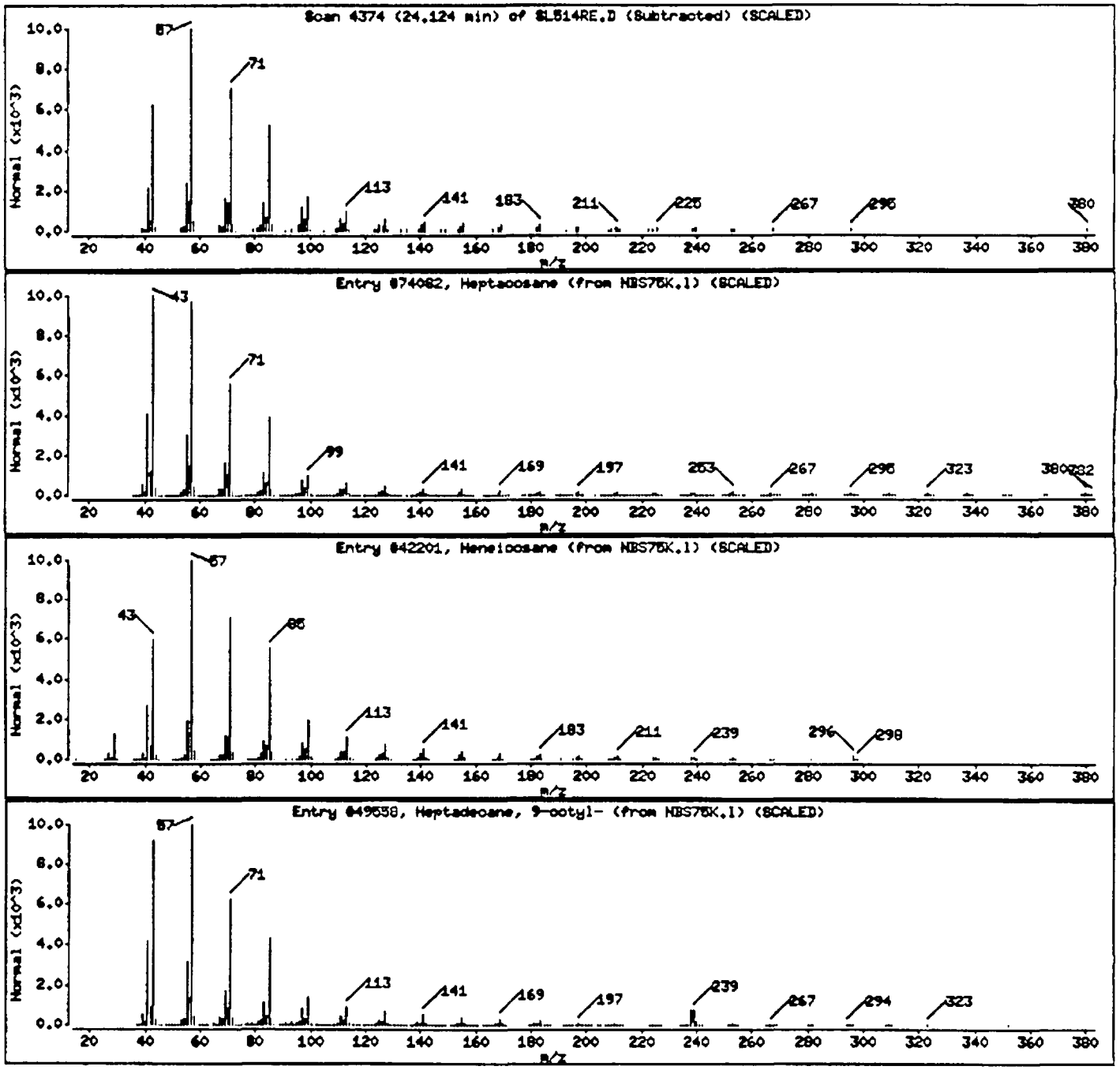
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptacosane	593-49-7	NBS75K.1	74082	94	C27H56	380
Heneicosane	629-94-7	NBS75K.1	42201	91	C21H44	296
Heptadecane, 9-octyl-	7225-64-1	NBS75K.1	49658	91	C25H52	352



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Date : 30-SEP-2000 04:49

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrmk20u,00929a.b,olp31,i-olp90.sub

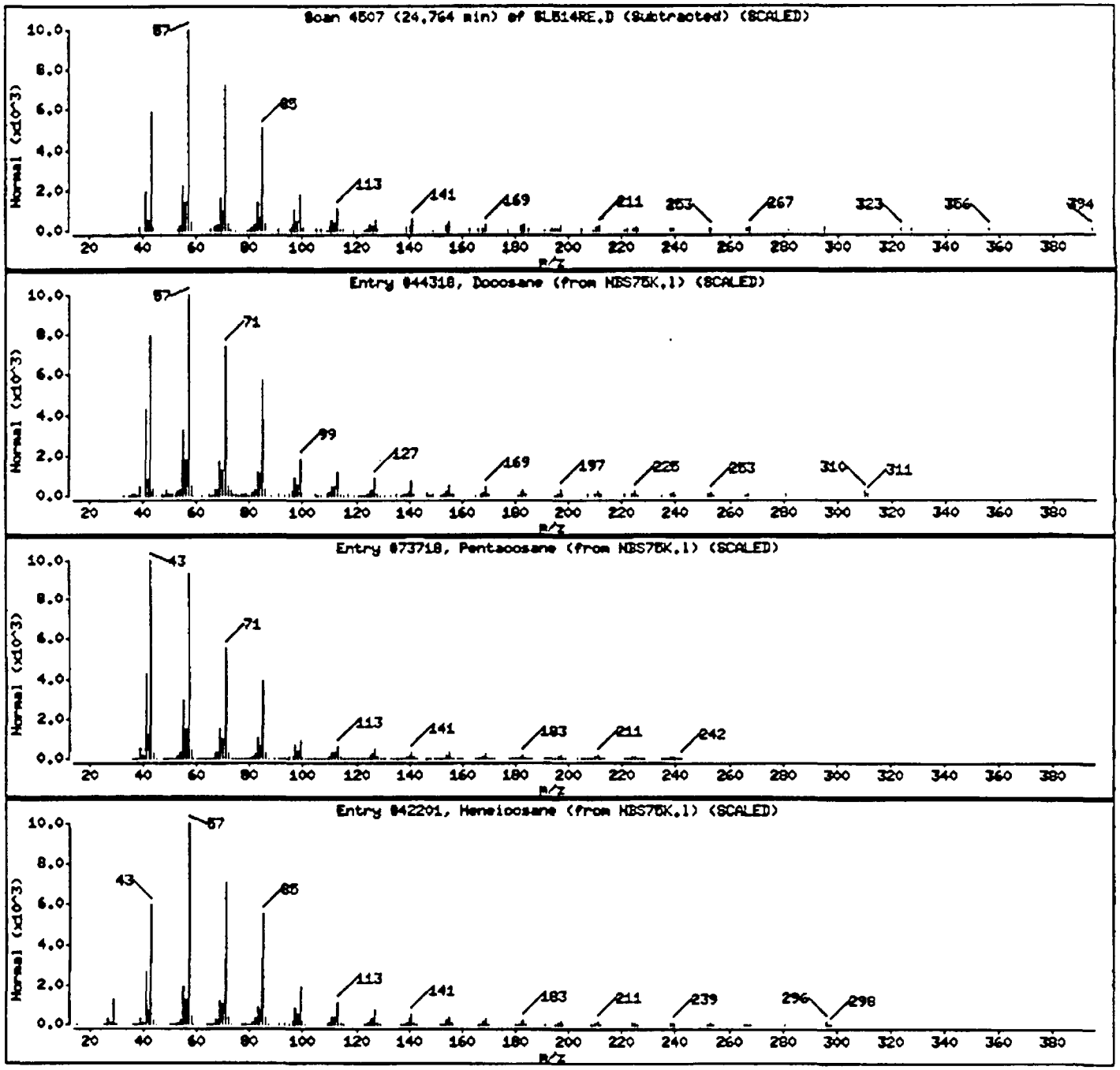
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Docosane	629-97-0	NBS75K.l	44318	91	C22H46	310
Pentacosane	629-99-2	NBS75K.l	73718	91	C25H52	352
Heneicosane	629-94-7	NBS75K.l	42201	91	C21H44	296



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Date : 30-SEP-2000 04:49

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a.b,olp31,i-olp90,sub

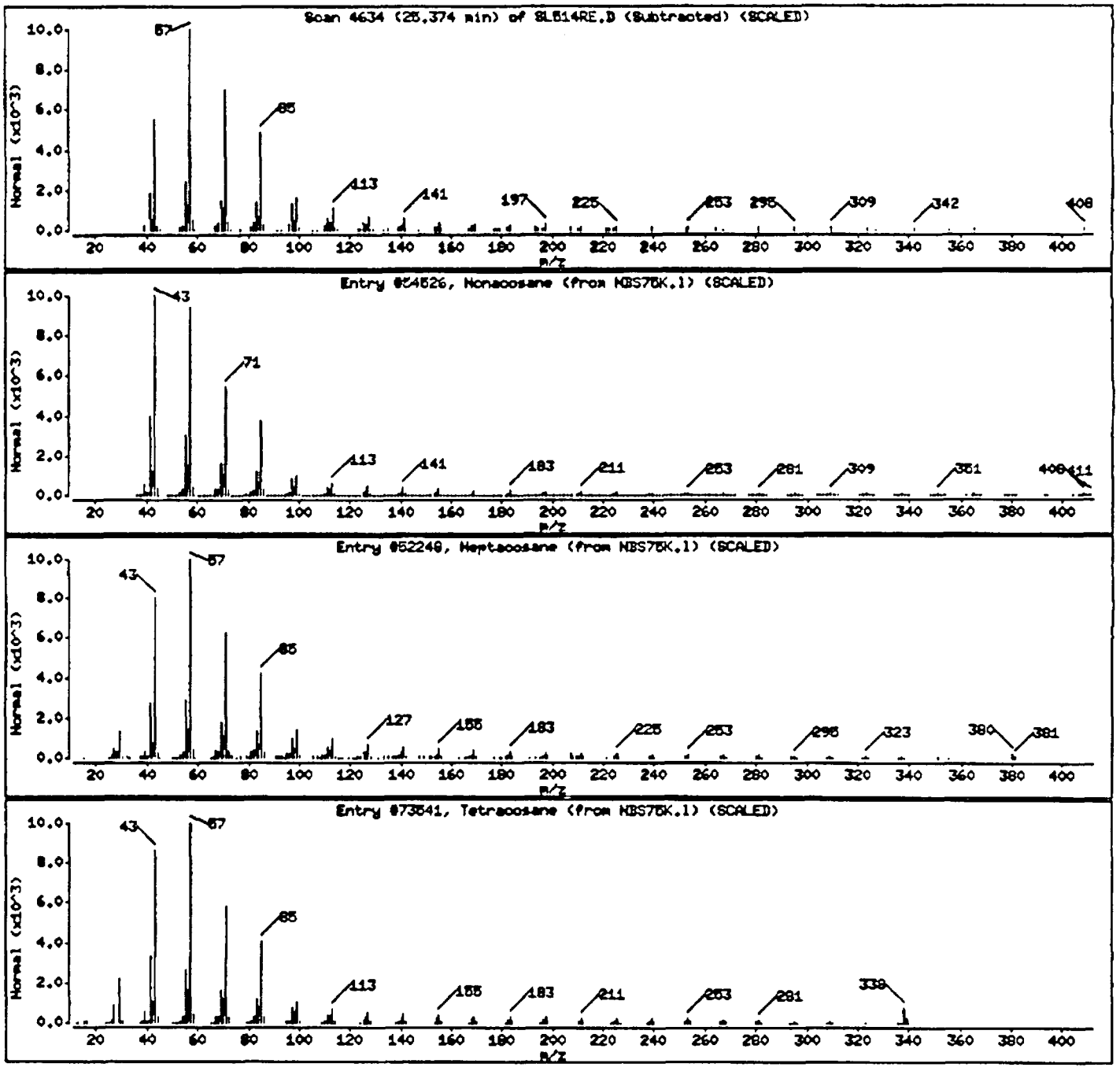
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonacosane	630-03-5	NBS75K.l	54526	95	C29H60	408
Heptacosane	593-49-7	NBS75K.l	52248	94	C27H56	380
Tetracosane	646-31-1	NBS75K.l	73541	91	C24H50	338



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Date : 30-SEP-2000 04:49

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a.b,olp31,1-olp90.sub

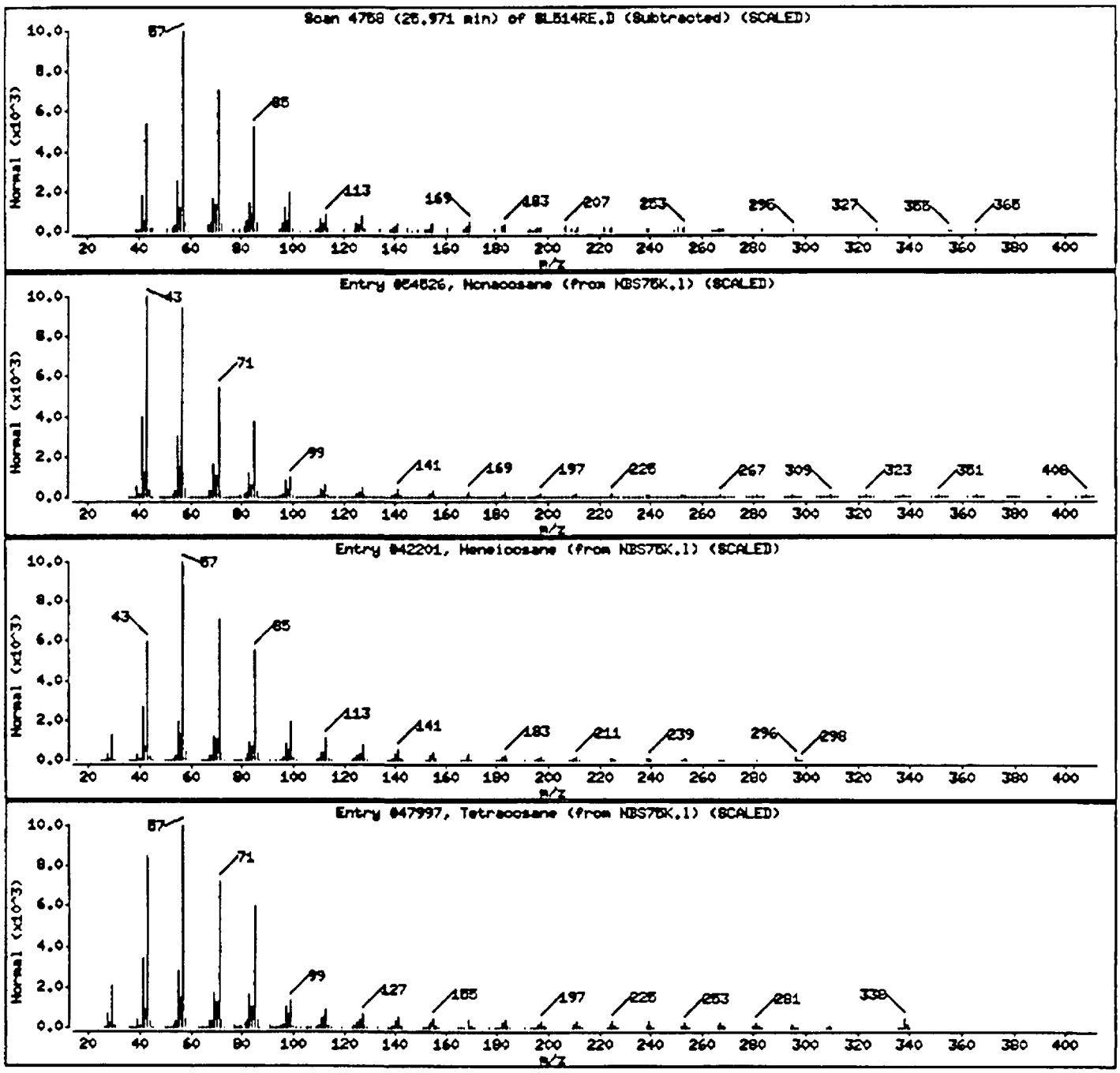
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonacosane	630-03-5	NBS75K.l	54526	90	C29H60	408
Heneicosane	629-94-7	NBS75K.l	42201	90	C21H44	296
Tetracosane	646-31-1	NBS75K.l	47997	87	C24H50	338



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Date : 30-SEP-2000 04:49

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a.b,clp31,1-clp90,sub

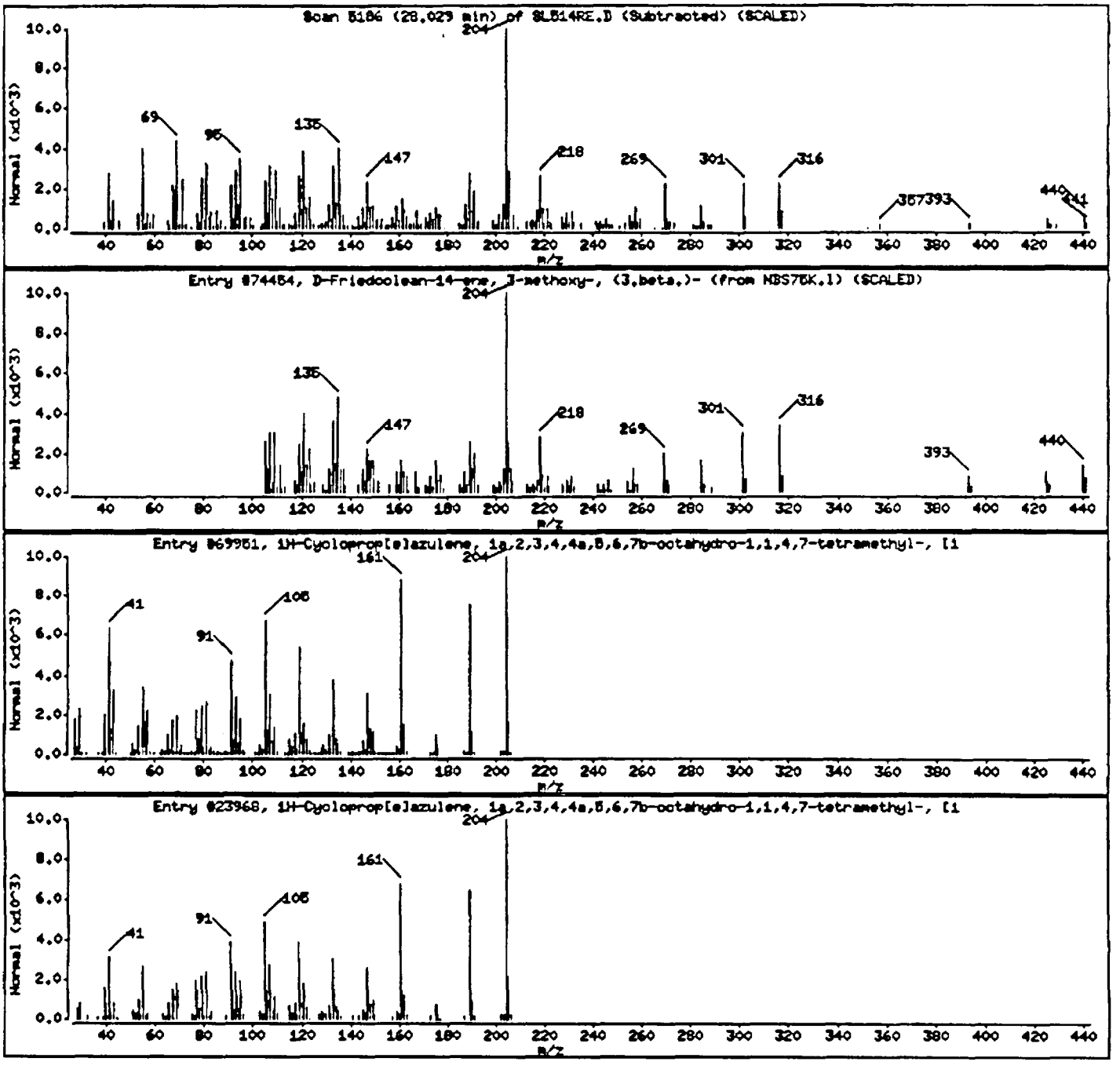
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
D-Friedoolean-14-ene, 3-methoxy-, (3,bet	14021-23-9	NBS75K.l	74454	91	C31H52O	440
1H-Cyclopropl[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69951	47	C15H24	204
1H-Cyclopropl[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	23968	38	C15H24	204



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 005
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.01 / g Date Received: 09/01/00
Work Order: DJRNM10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:35

QC Batch: 0249298

Client Sample Id: SL52-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl) ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitrosodi-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1200	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 005
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.01 / g Date Received: 09/01/00
Work Order: DJRNM10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:35

QC Batch: 0249298

Client Sample Id: SL52-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	500	U
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethyl phthalate	500	U
7005-72-3	4-Chlorophenyl phenyl ether	500	U
86-73-7	Fluorene	500	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine	500	U
101-55-3	4-Bromophenyl phenyl ether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	**Phenanthrene**	**280**	**J**
120-12-7	Anthracene	500	U
86-74-8	Carbazole	500	U
84-74-2	Di-n-butyl phthalate	500	U
206-44-0	**Fluoranthene**	**380**	**J**
129-00-0	**Pyrene**	**210**	**J**
85-68-7	Butyl benzyl phthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	**Benzo(a)anthracene**	**180**	**J**
218-01-9	**Chrysene**	**230**	**J**

FORM I

RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 005
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.01 / g Date Received: 09/01/00
Work Order: DJRNM10U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %: 35

QC Batch: 0249298

Client Sample Id: SL52-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**140**	**J**
117-84-0	Di-n-octyl phthalate	500	U
205-99-2	**Benzo(b)fluoranthene**	**200**	**J**
207-08-9	**Benzo(k)fluoranthene**	**77**	**J**
50-32-8	Benzo(a)pyrene	500	U
193-39-5	Indeno(1,2,3-cd)pyrene	500	U
53-70-3	Dibenz(a,h)anthracene	500	U
191-24-2	Benzo(ghi)perylene	500	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 005
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

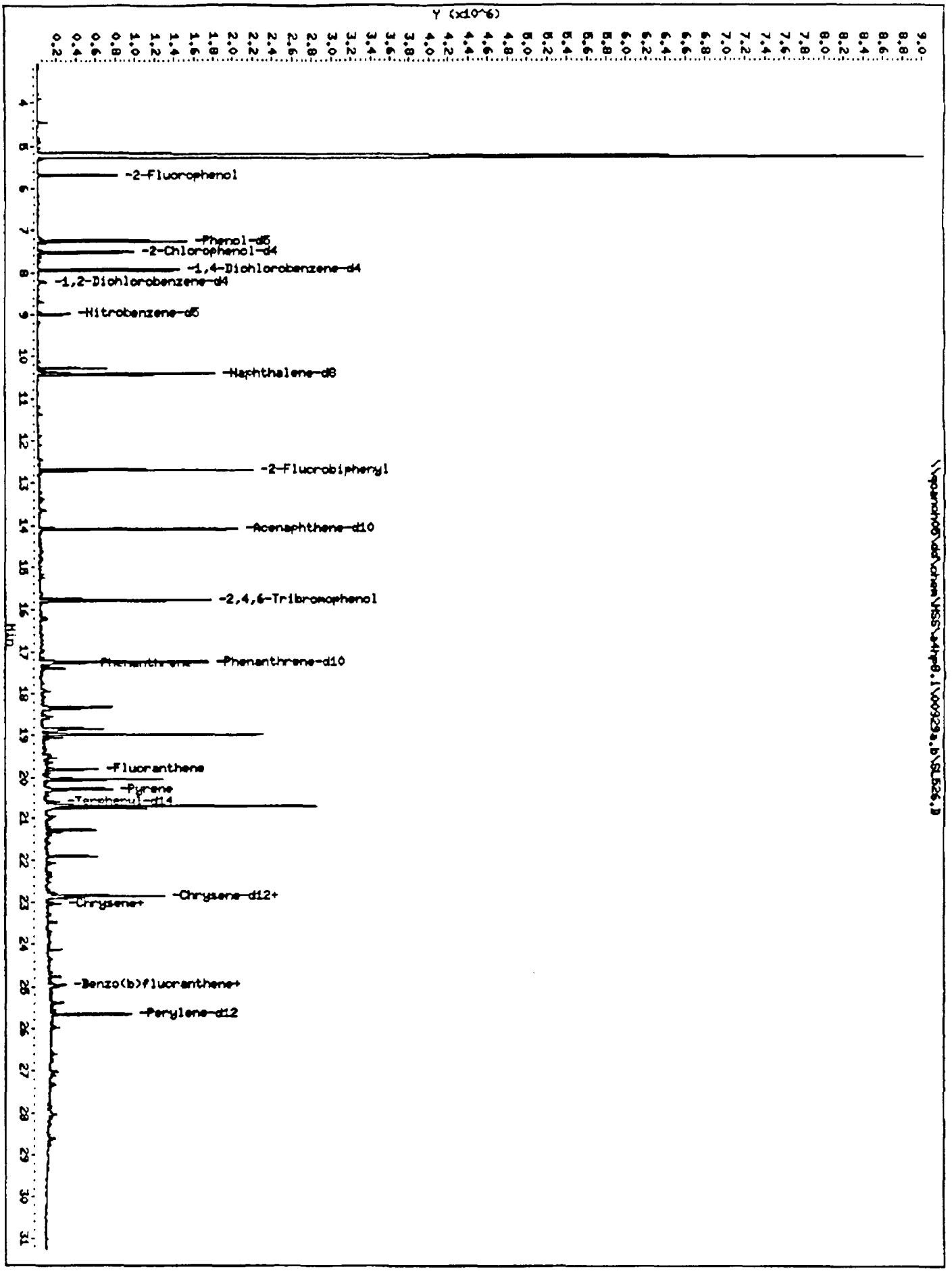
Sample WT/Vol: 30.01 / g Date Received: 09/01/00
Work Order: DJRNM10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:35

QC Batch: 0249298

Client Sample Id: SL52-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.2725	17000	JA
	Unknown	10.288	380	J
	Unknown	10.365	100	J
	Unknown	17.385	130	J
76-44-8	Heptachlor	18.309	670	NJ
56641-38-4	.gamma.-Chlordene	18.833	370	NJ
309-00-2	Aldrin-R	18.968	1300	NJ
	Unknown	19.044	120	J
	Unknown	19.525	120	J
57-74-9	Chlordane	20.04	800	NJ
60-57-1	Dieldrin	20.742	860	NJ
	Unknown pesticide	21.281	320	J
	Unknown pesticide	21.338	110	J
	Unknown pesticide	21.915	370	J
	Unknown Hydrocarbon	24.127	120	J
	Unknown Hydrocarbon	24.762	150	J
	Unknown Hydrocarbon	25.378	260	J
57-88-5	Cholesterol	27.013	150	NJ
	Unknown	28.032	260	J
	Unknown	28.609	180	J


Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Chrysene-d12+
-Chrysene+
-Benzo(b)fluoranthene+
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL526.D
Lab Smp Id: DJRNM10U Client Smp ID: SL52-6"
Inj Date : 29-SEP-2000 23:35
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnm10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.010	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.936	7.940	(1.000)	324299	40.0000	
* 2 Naphthalene-d8	136	10.417	10.426	(1.000)	1292443	40.0000	
* 3 Acenaphthene-d10	164	14.082	14.095	(1.000)	739300	40.0000	
* 4 Phenanthrene-d10	188	17.232	17.240	(1.000)	1077528	40.0000	
* 5 Chrysene-d12	240	22.853	22.866	(1.000)	671141	40.0000	
* 6 Perylene-d12	264	25.657	25.665	(1.000)	514143	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

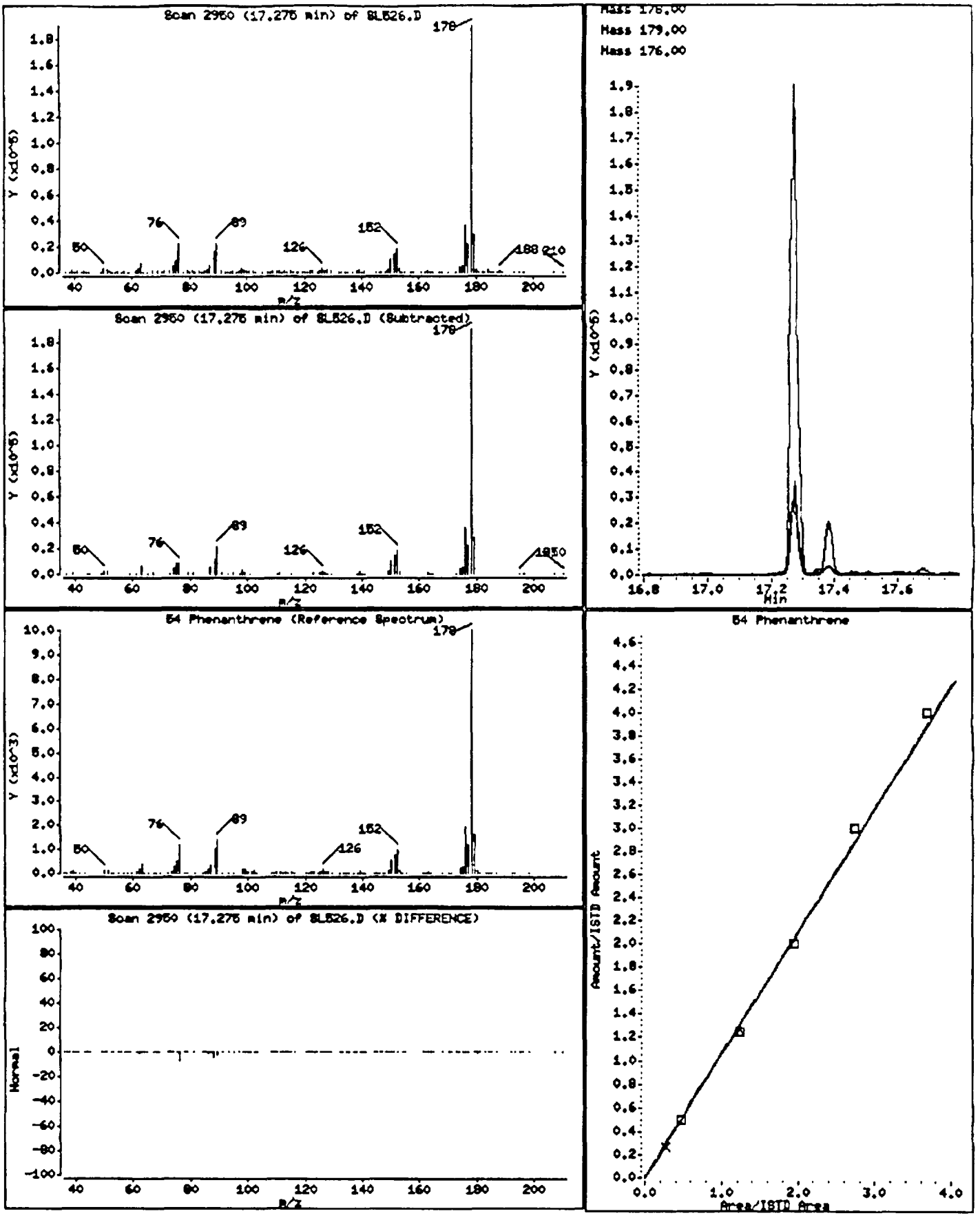
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	17.275	17.293	(1.002)	285895	10.6407	180(a)
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.804	19.813	(1.149)	387826	14.9953	250(a)
59 Pyrene	202	20.275	20.289	(0.887)	193484	8.17989	140(a)
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62	Benzo(a)Anthracene	228	22.834	22.842	(0.999)	134978	7.42391	120(aH)
63	Chrysene	228	22.901	22.919	(1.002)	155034	8.86390	150(a)
64	bis(2-ethylhexyl)Phthalate	149	23.031	23.039	(1.008)	68874	5.38598	90(a)
65	Di-n-octylphthalate	149	Compound Not Detected.					
66	Benzo(b)fluoranthene	252	24.959	24.977	(0.973)	139262	7.68370	130(a)
67	Benzo(k)fluoranthene	252	25.007	25.030	(0.975)	54519	3.01914	50(aH)
68	Benzo(a)pyrene	252	Compound Not Detected.					
69	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
70	Dibenz(a,h)anthracene	278	Compound Not Detected.					
71	Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72	Nitrobenzene-d5	82	8.980	8.998	(0.862)	177079	13.4304	220(aR)
$ 73	2-Fluorobiphenyl	172	12.687	12.696	(0.901)	1089734	54.3251	900
$ 74	Terphenyl-d14	244	20.679	20.683	(0.905)	1674948	102.781	1700
$ 75	Phenol-d5	99	7.253	7.262	(0.914)	846716	58.4562	970
$ 76	2-Fluorophenol	112	5.690	5.670	(0.717)	313295	29.1635	480(R)
$ 77	2,4,6-Tribromophenol	330	15.755	15.764	(0.914)	334125	135.956	2300(Q)
$ 78	2-Chlorophenol-d4	132	7.513	7.517	(0.947)	391905	41.2846	690(Q)
$ 79	1,2-Dichlorobenzene-d4	152	8.215	8.223	(1.035)	19822	3.06710	51(a)

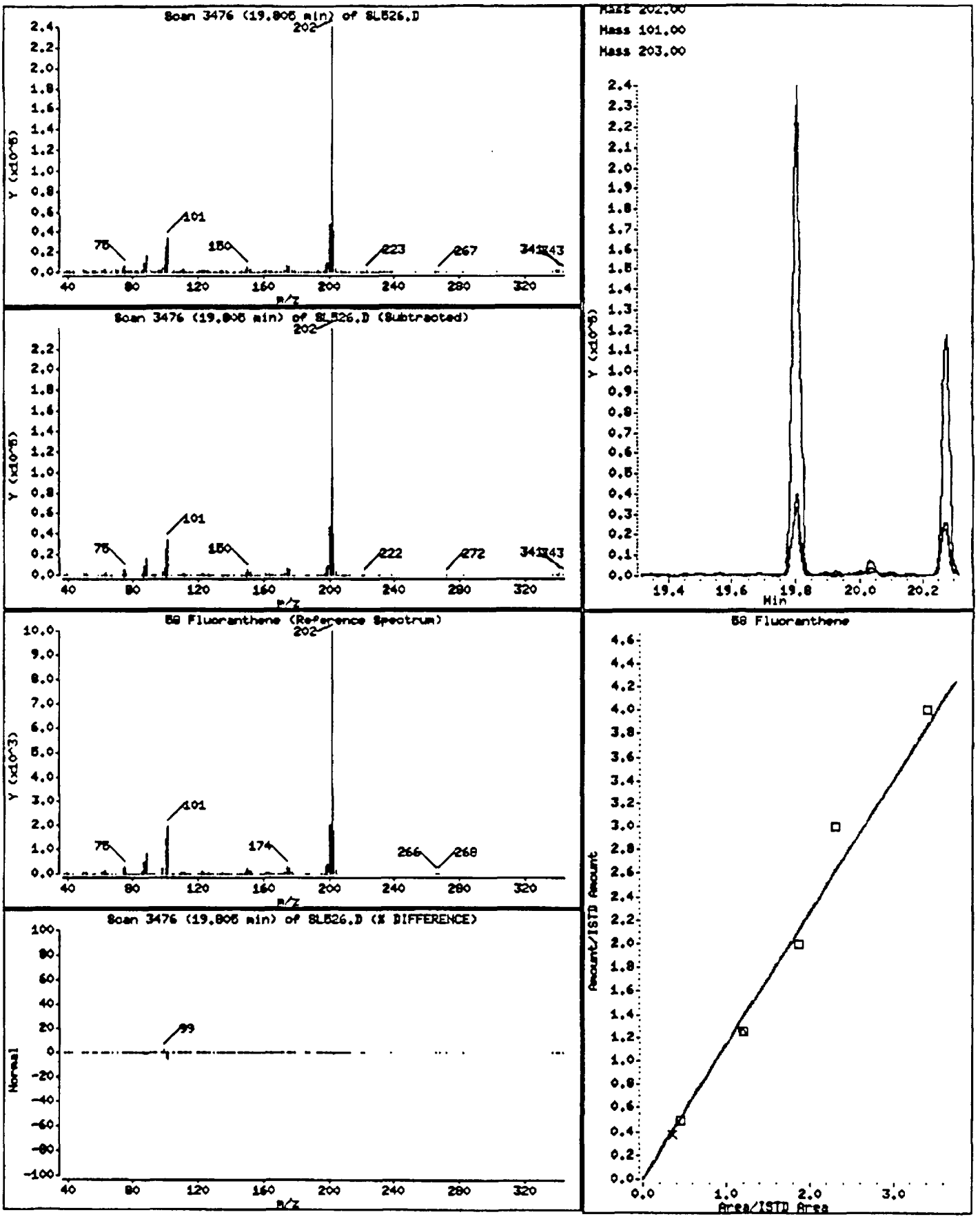
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

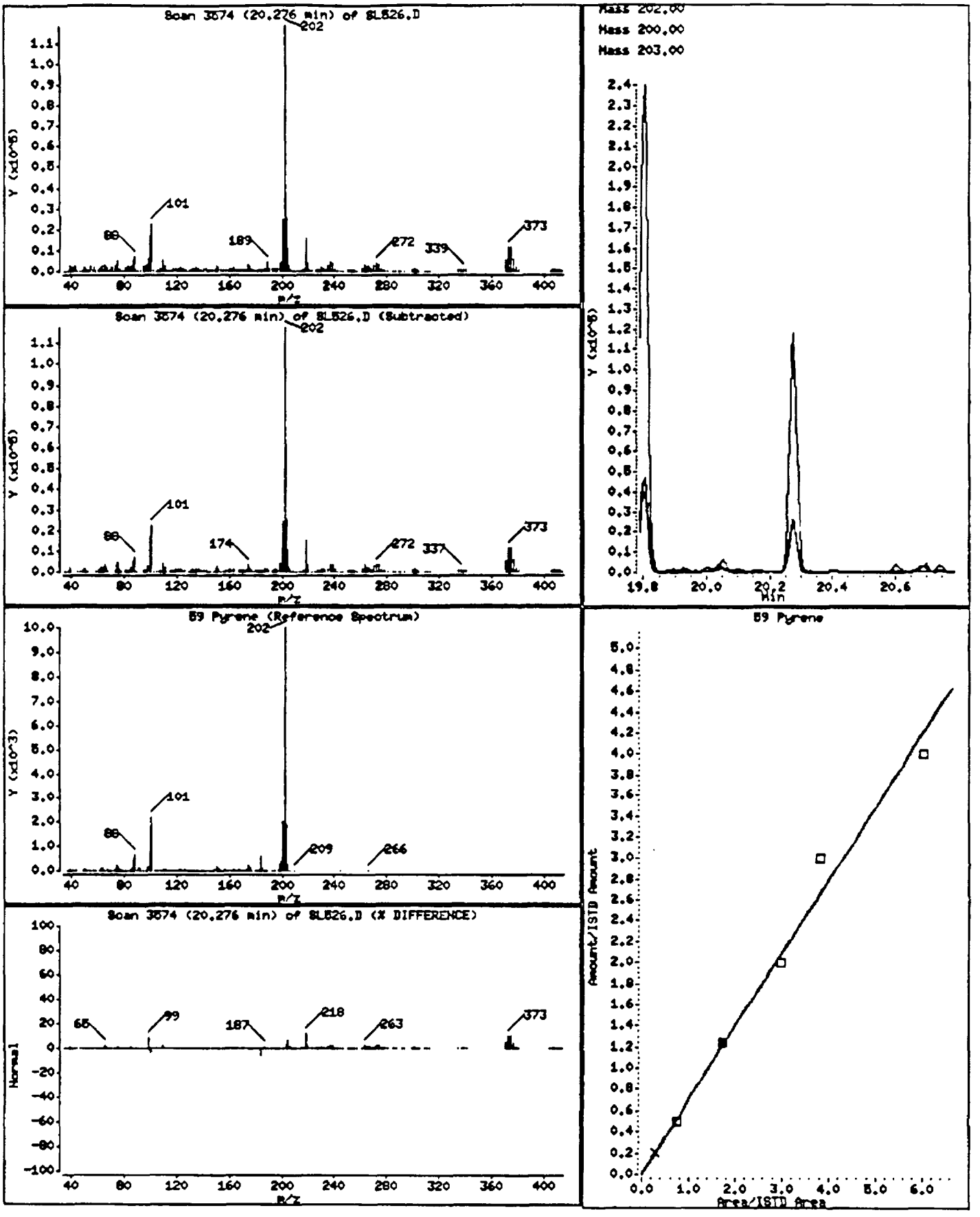
54 Phenanthrene



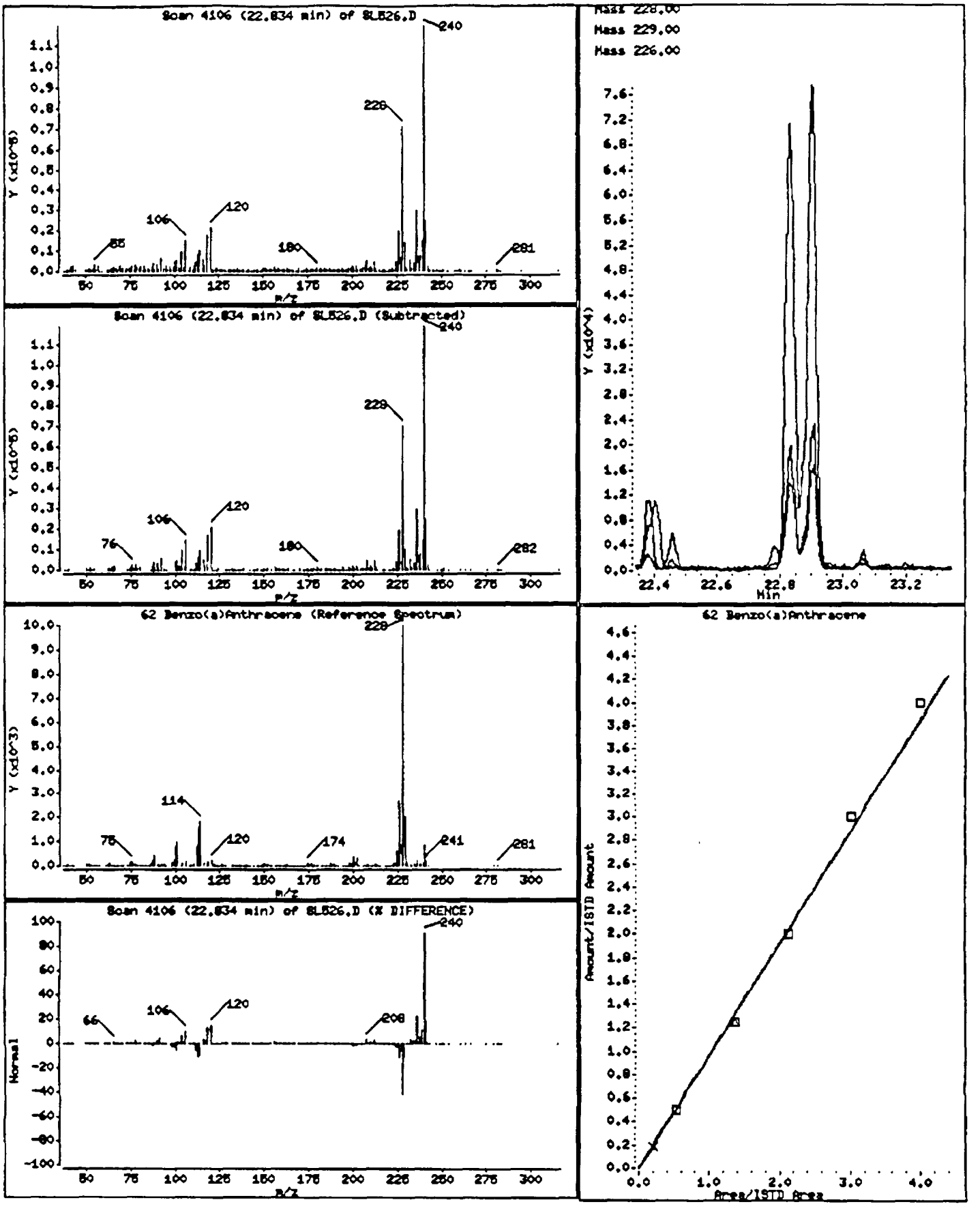
58 Fluoranthene



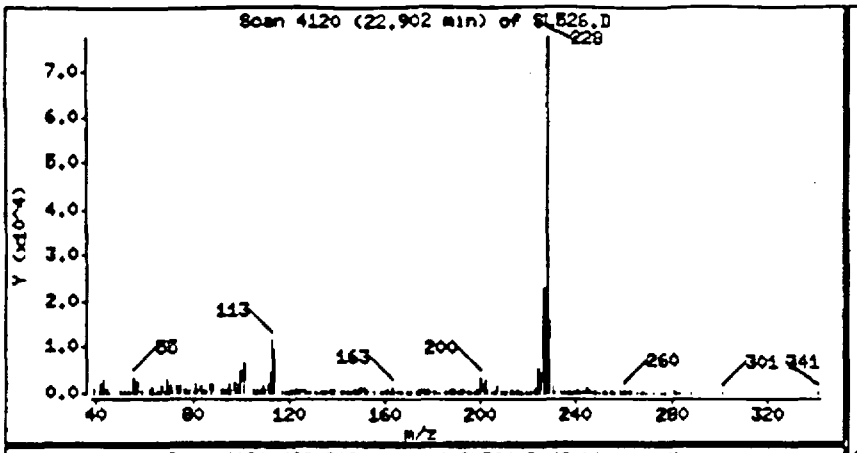
59 Pyrene

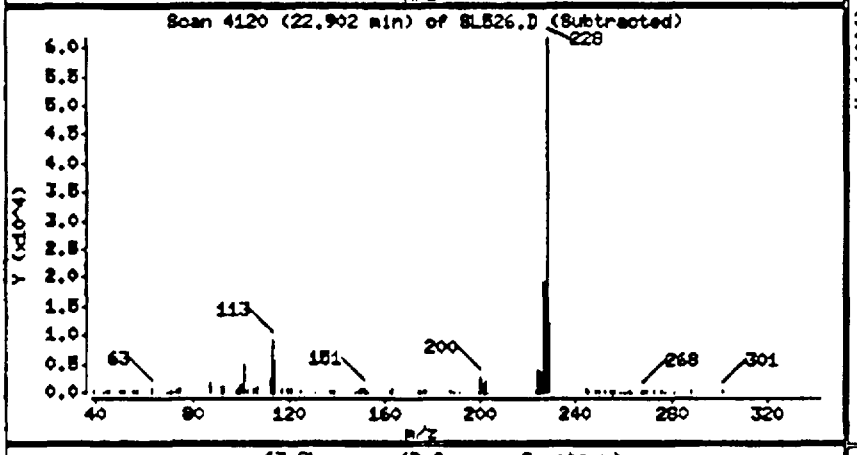

Scan 3574 (20.276 min) of SL526.D
202
101
88
189
272
339
373
Y (x10^6)
m/z
Scan 3574 (20.276 min) of SL526.D (Subtracted)
202
101
88
174
272
337
373
Y (x10^6)
m/z
59 Pyrene (Reference Spectrum)
202
101
88
209
266
Y (x10^3)
m/z
Scan 3574 (20.276 min) of SL526.D (% DIFFERENCE)
65
99
187
218
263
373
Normal
m/z
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^6)
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

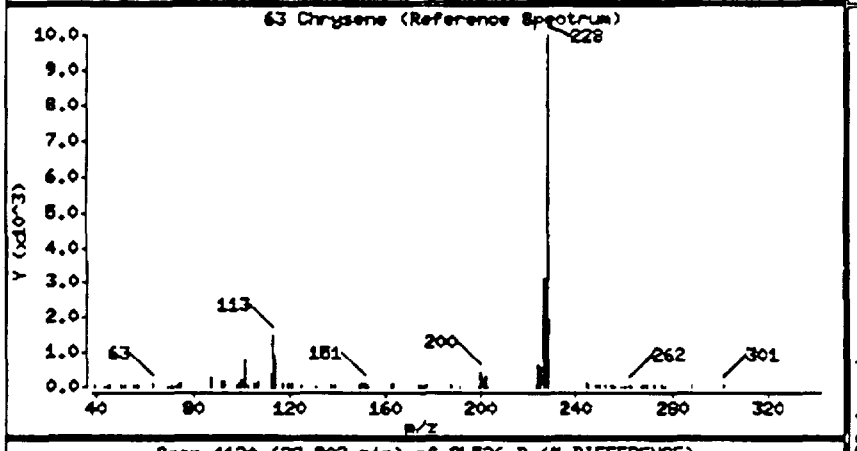
62 Benzo(a)Anthracene

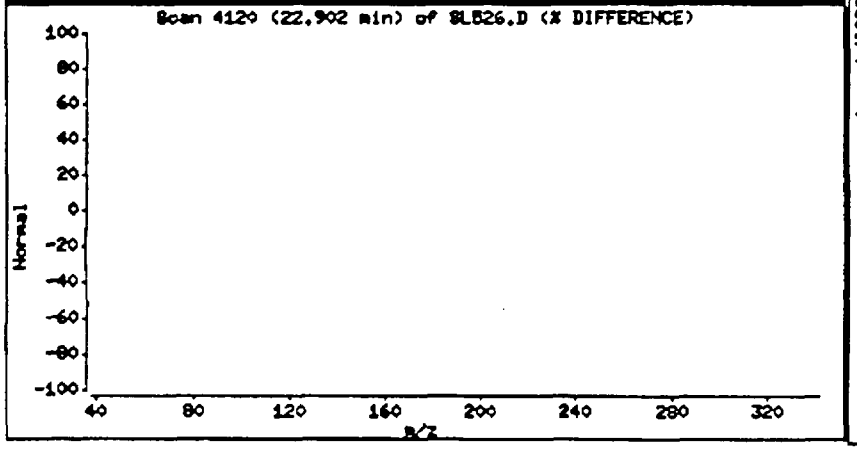


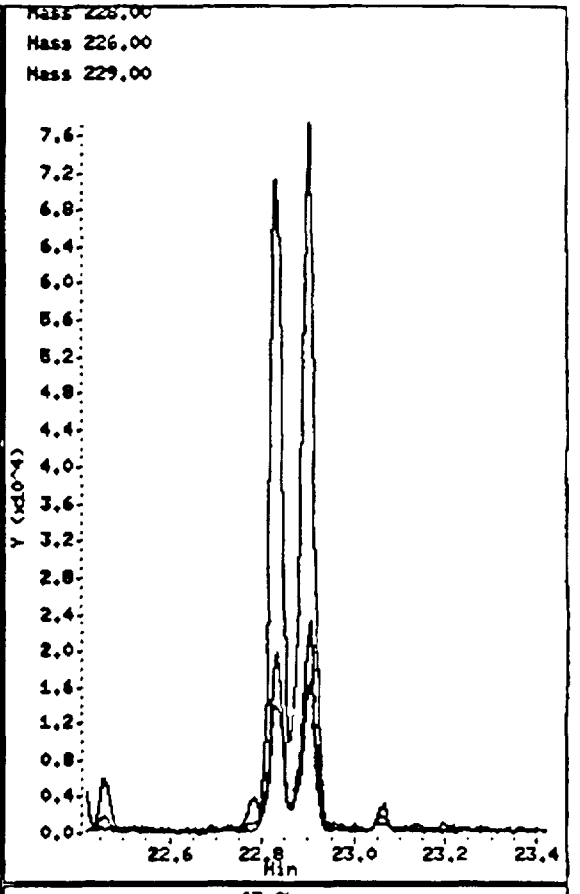
63 Chrysene

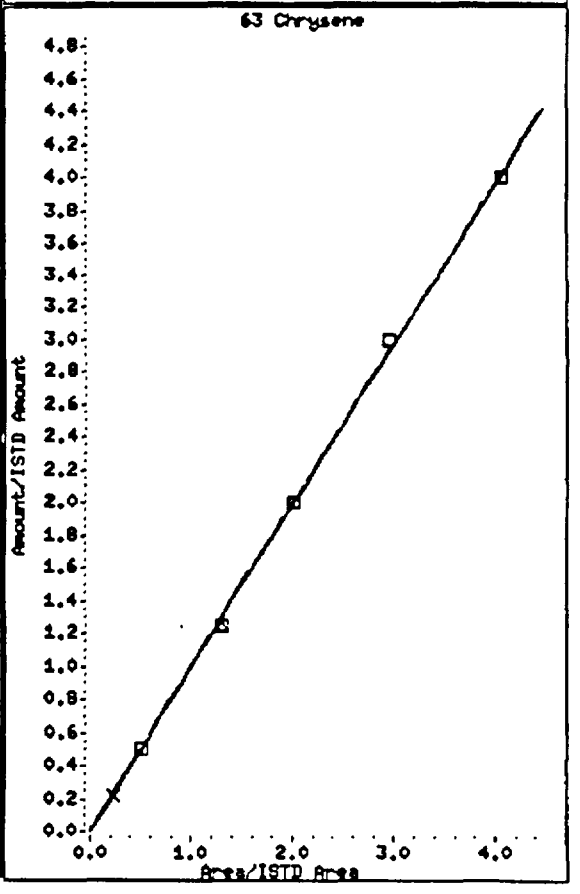

Scan 4120 (22.902 min) of SL826.D
228
113
55
163
200
260
301
341
Y (x10^4)
m/z


Scan 4120 (22.902 min) of SL826.D (Subtracted)
228
113
63
151
200
268
301
Y (x10^4)
m/z

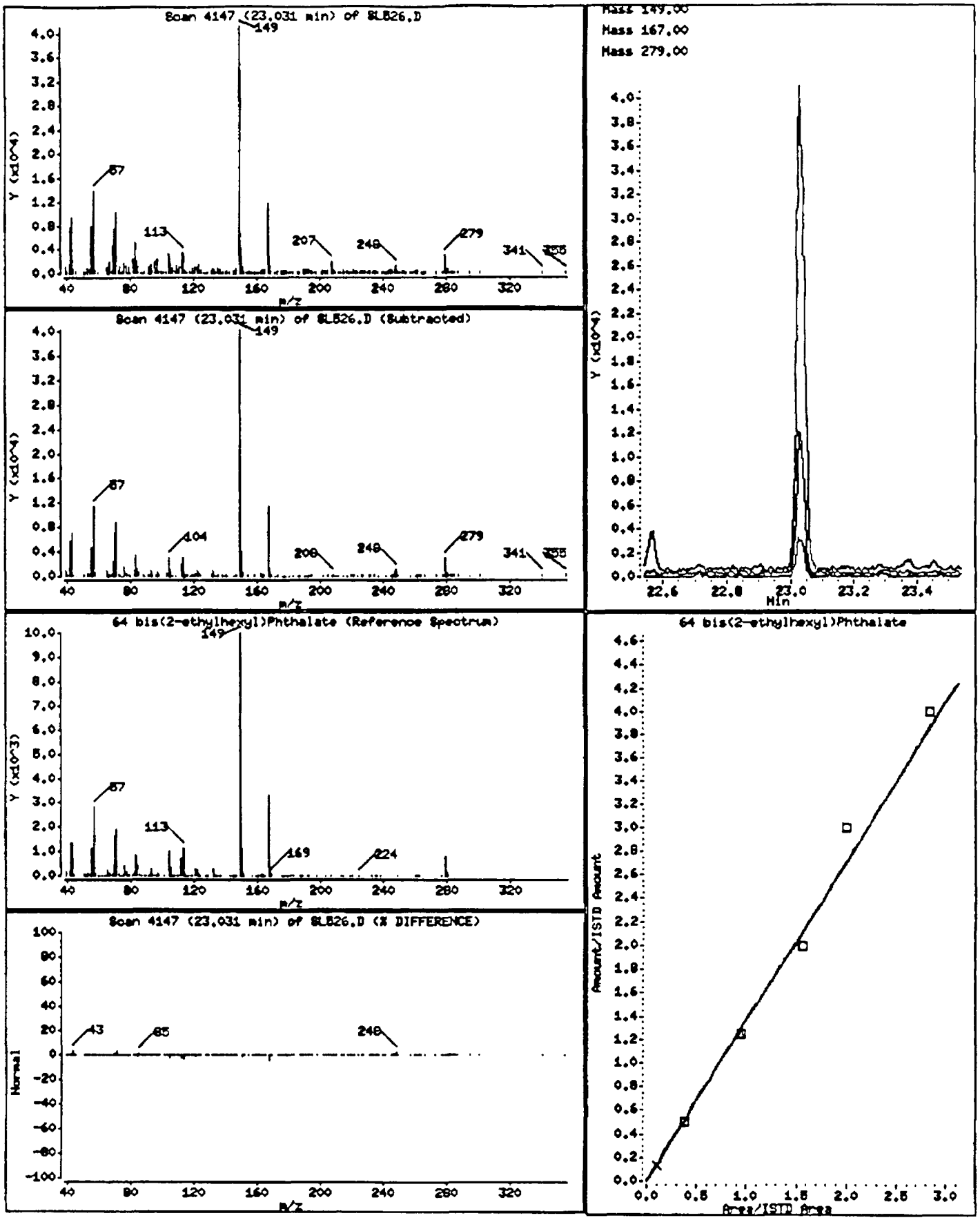

63 Chrysene (Reference Spectrum)
228
113
63
151
200
262
301
Y (x10^3)
m/z


Scan 4120 (22.902 min) of SL826.D (% DIFFERENCE)
Normal
m/z

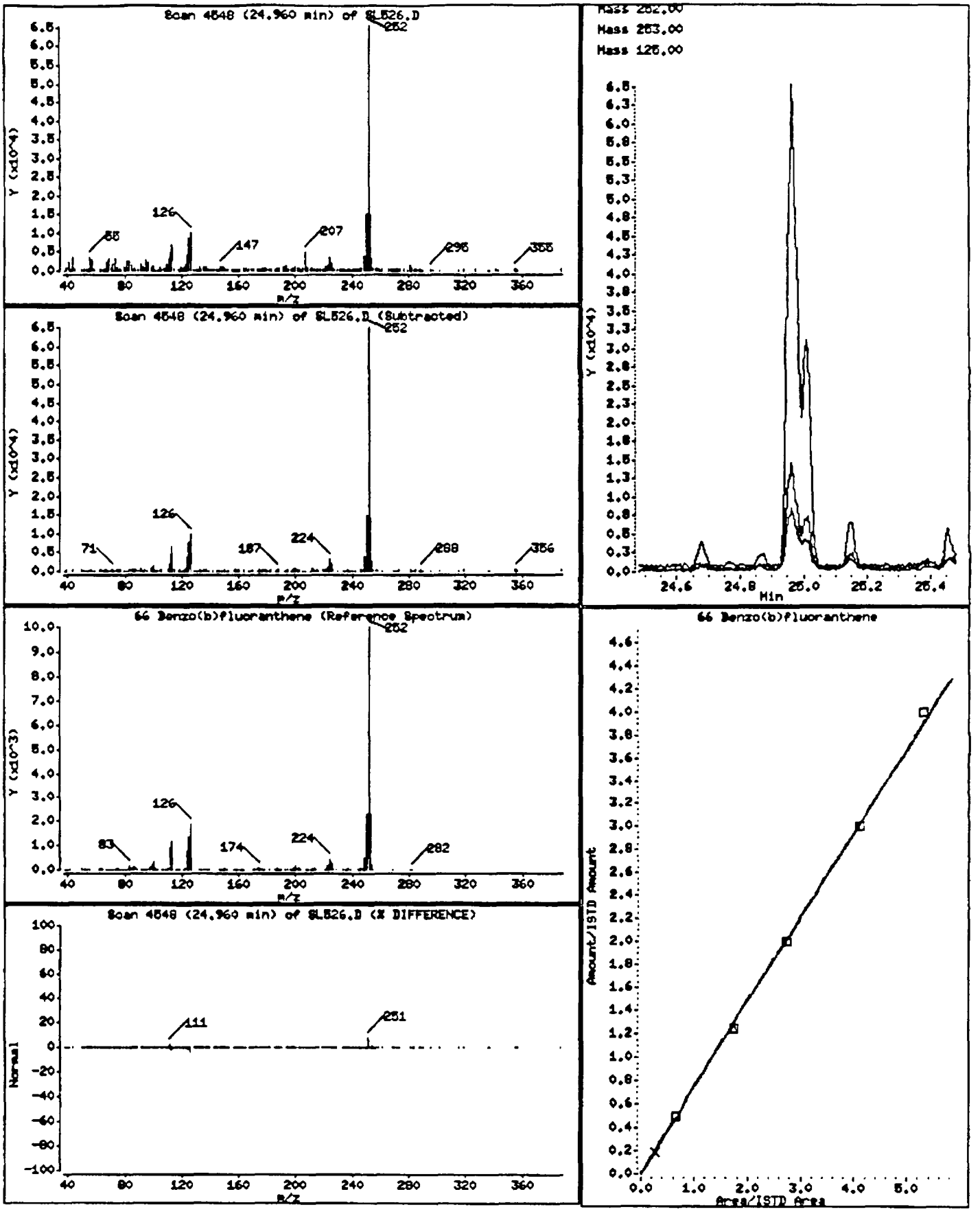

Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^4)
Min


63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

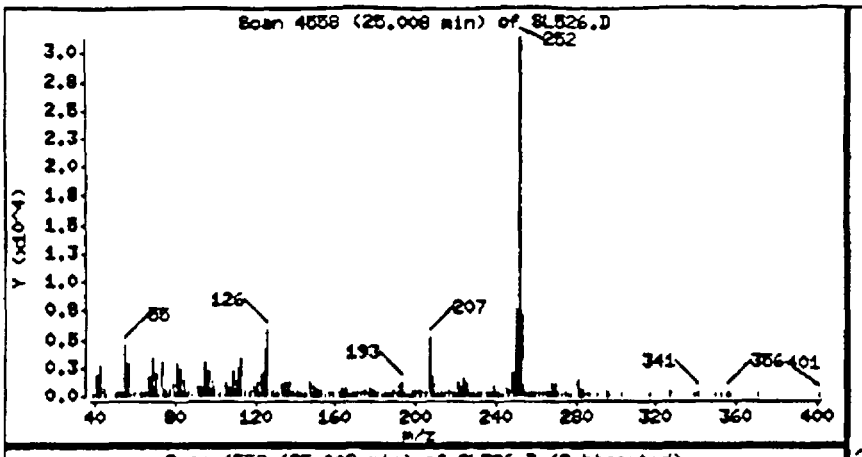
64 bis(2-ethylhexyl)Phthalate

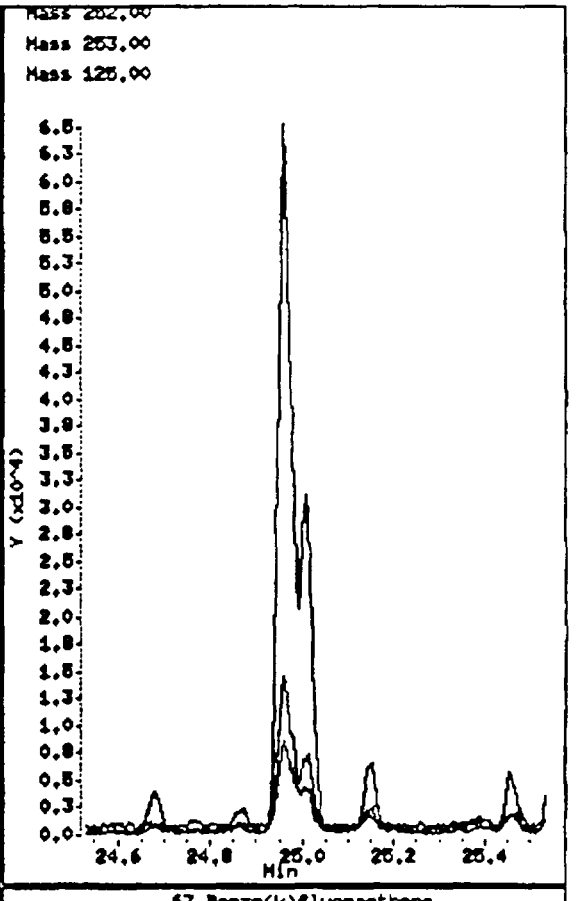


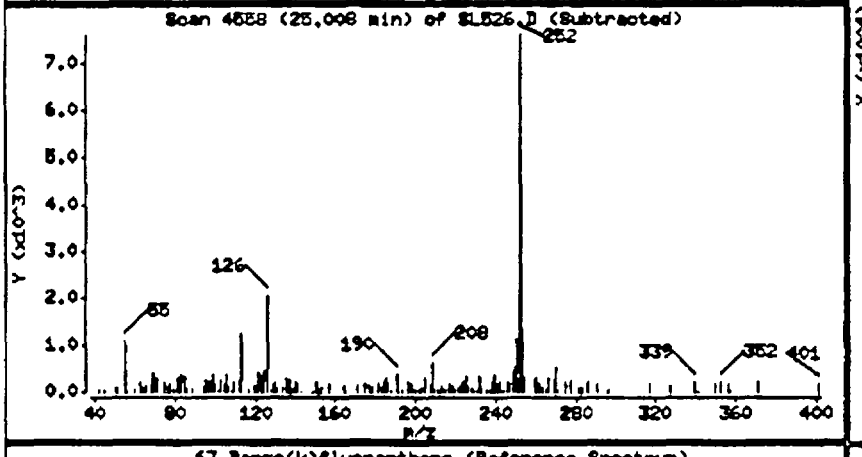
66 Benzo(b)fluoranthene

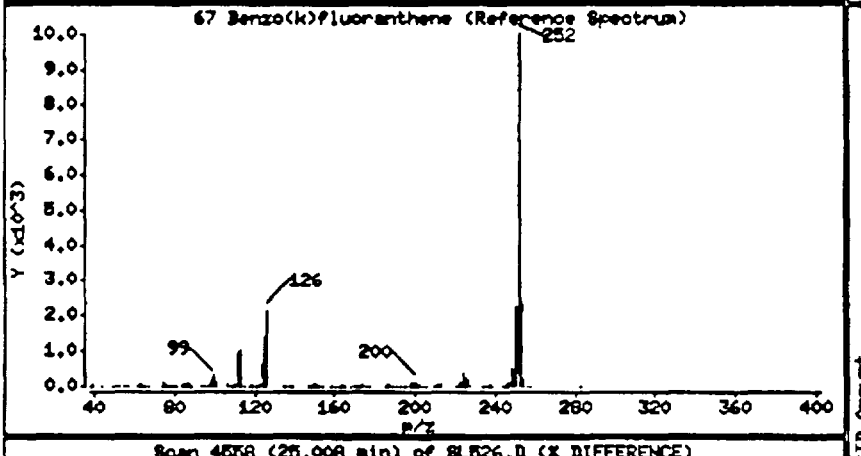


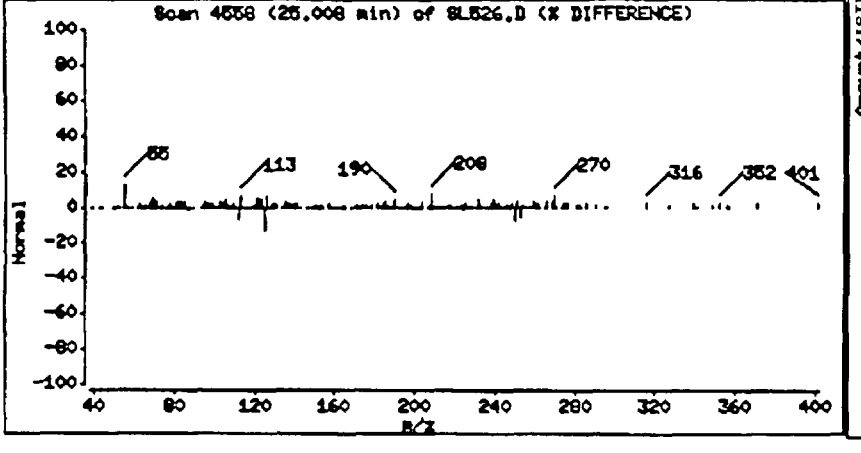
67 Benzo(k)fluoranthene

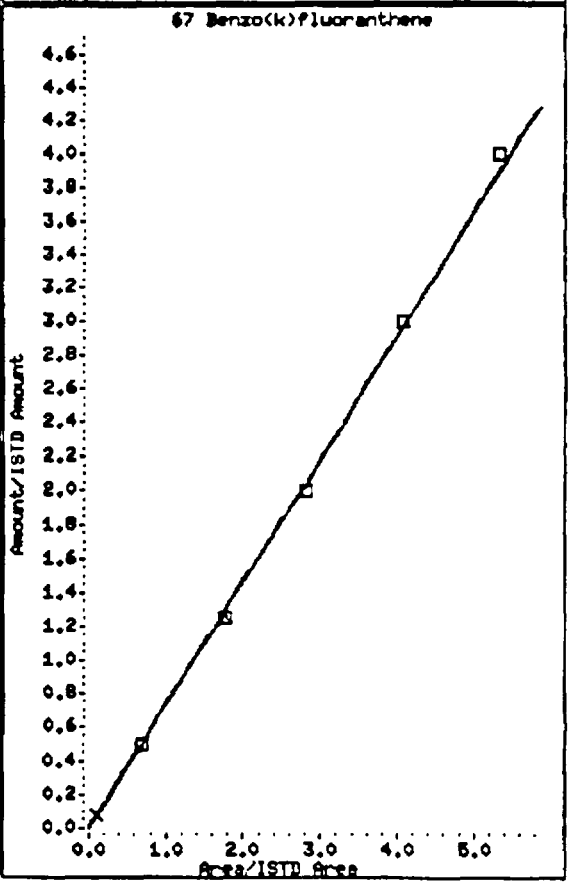












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL526.D
Lab Smp Id: DJRNM10U Client Smp ID: SL52-6"
Inj Date : 29-SEP-2000 23:35
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnm10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.010	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.937	2122887	40.000
* 2 Naphthalene-d8	10.418	2735954	40.000
* 4 Phenanthrene-d10	17.232	3050841	40.000
* 5 Chrysene-d12	22.854	2427928	40.000
* 6 Perylene-d12	25.657	1472146	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.273	36009314	878.497047	11000	99		0	1
Unknown					CAS #:		
10.288	1011330	14.7857749	250	0		0	2
Unknown					CAS #:		
10.365	274774	4.01723128	67	0		0	2
Unknown					CAS #:		
17.386	389120	5.10180635	85	0		0	4
Heptachlor					CAS #: 76-44-8		
18.309	2024290	26.5407434	440	97	NBS75K.1	73974	4
.gamma.-Chlordene					CAS #: 56641-38-4		
18.833	1104412	14.4800991	240	99	NBS75K.1	73503	4
Aldrin-R					CAS #: 309-00-2		
18.968	3910287	51.2683159	850	95	NBS75K.1	73856	4
Unknown					CAS #:		
19.045	365855	4.79677571	80	0		0	4
Unknown					CAS #:		
19.526	372252	4.88065266	81	0		0	4
Chlordane					CAS #: 57-74-9		
20.040	2389840	31.3335262	520	97	NBS75K.1	74296	4
Dieldrin					CAS #: 60-57-1		
20.742	2045937	33.7066980	560	93	NBS75K.1	74064	5
Unknown pesticide					CAS #:		
21.281	769173	12.6720853	210	99		0	5
Unknown pesticide					CAS #:		
21.339	272579	4.49072490	75	99		0	5
Unknown pesticide					CAS #:		
21.916	875449	14.4229769	240	99		0	5
Unknown Hydrocarbon					CAS #:		
24.128	282069	4.64707115	77	99		0	5

RT	AREA	CONCENTRATIONS ON-COL (NG)	FINAL (ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Hydrocarbon				CAS #:			
24.763	226221	6.14670515	100	99		0	6
Unknown Hydrocarbon				CAS #:			
25.378	385964	10.4870989	170	99		0	6
Cholesterol				CAS #: 57-88-5			
27.013	230650	6.26702818	100	91	NBS75K.1	74137	6
Unknown				CAS #:			
28.033	371495	10.0939794	170	0		0	6
Unknown				CAS #:			
28.610	255760	6.94931337	120	0		0	6

Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL526.D

Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmm10u,00929a.b,olp31,1-olp90,sub

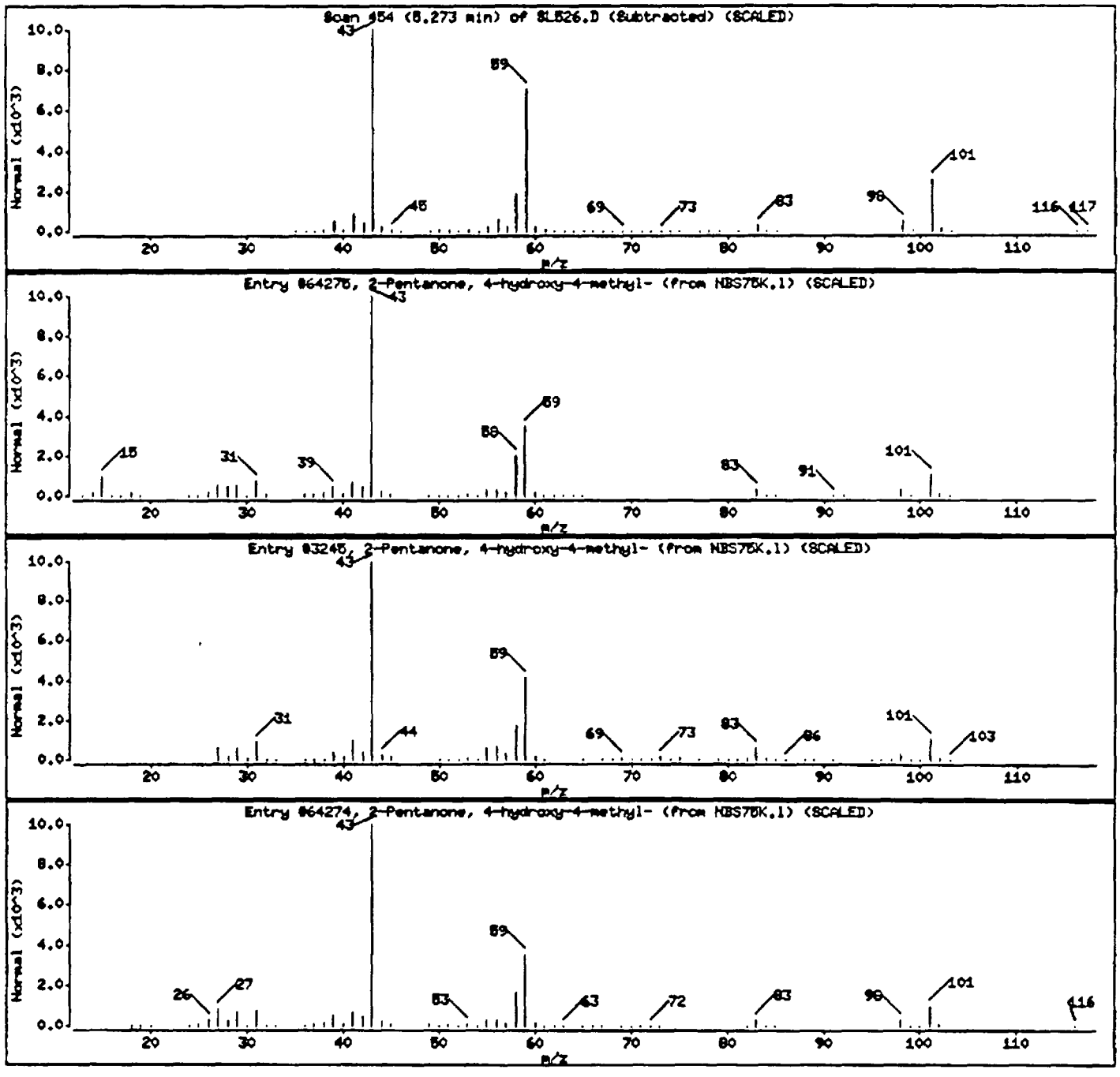
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.i	64275	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.i	3245	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.i	64274	40	C6H12O2	116



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmm10u,00929a.b,clp31,i-clp90.sub

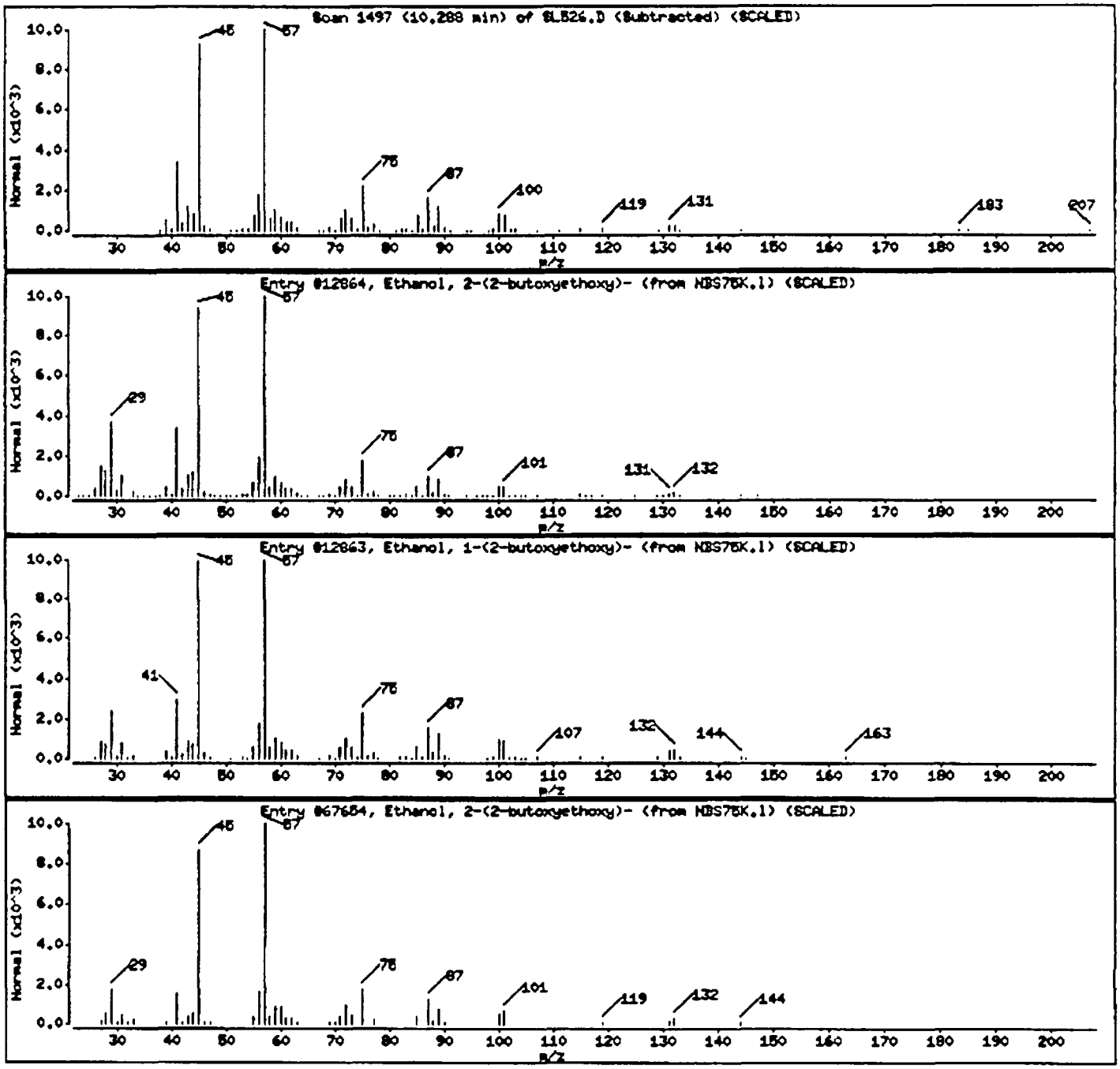
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	12864	90	C6H1803	162
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.1	12863	90	C6H1803	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	67654	83	C6H1803	162



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrnm10u,00929a.b,clp31,1-clp90.sub

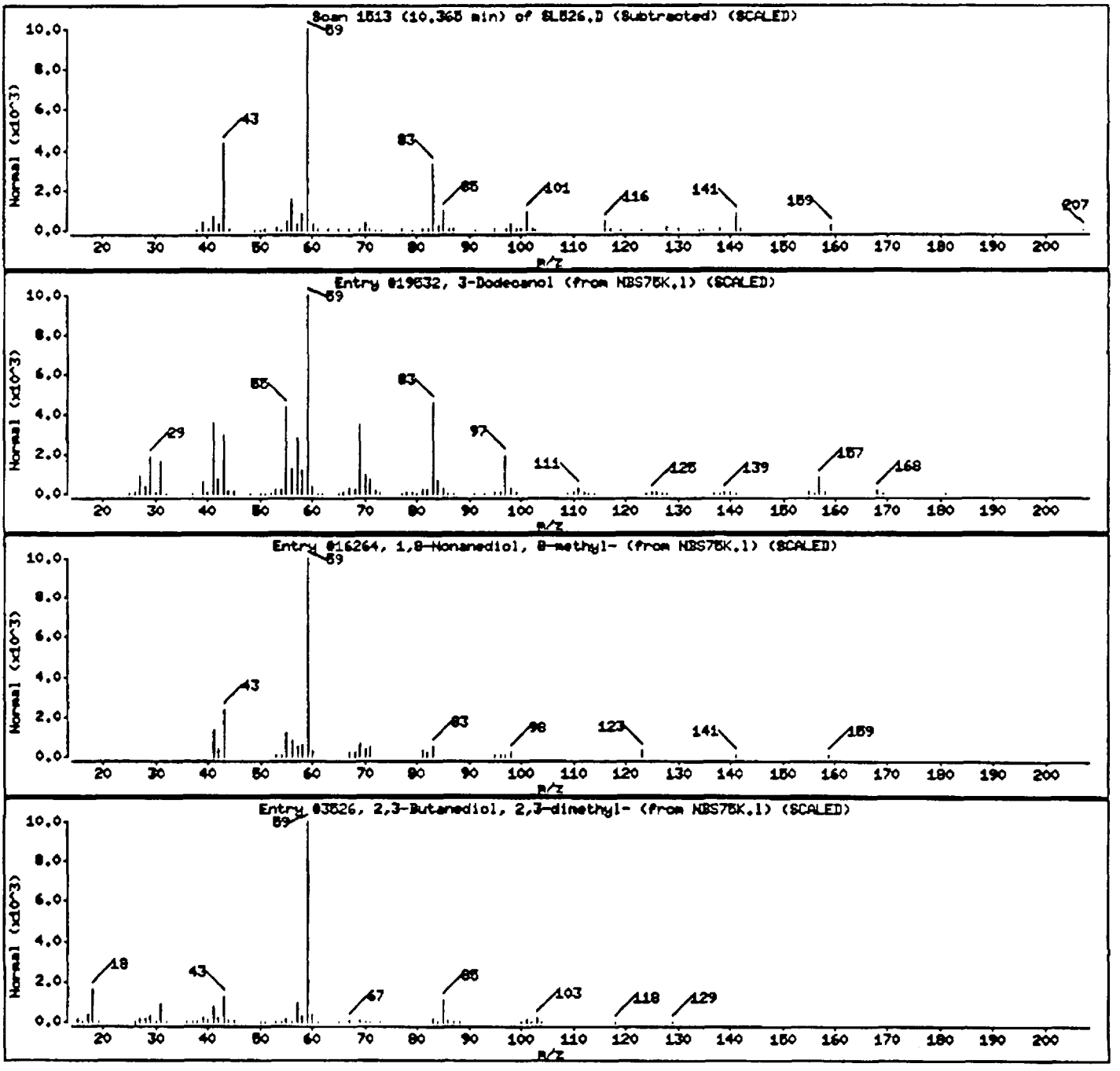
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Dodecanol	10203-30-2	NBS75K.l	19532	38	C12H260	186
1,8-Nonanediol, 8-methyl-	54726-73-4	NBS75K.l	16264	33	C10H2202	174
2,3-Butanediol, 2,3-dimethyl-	76-09-5	NBS75K.l	3526	33	C6H1402	118



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmadou,00929a.b,olp31,i-olp90.sub

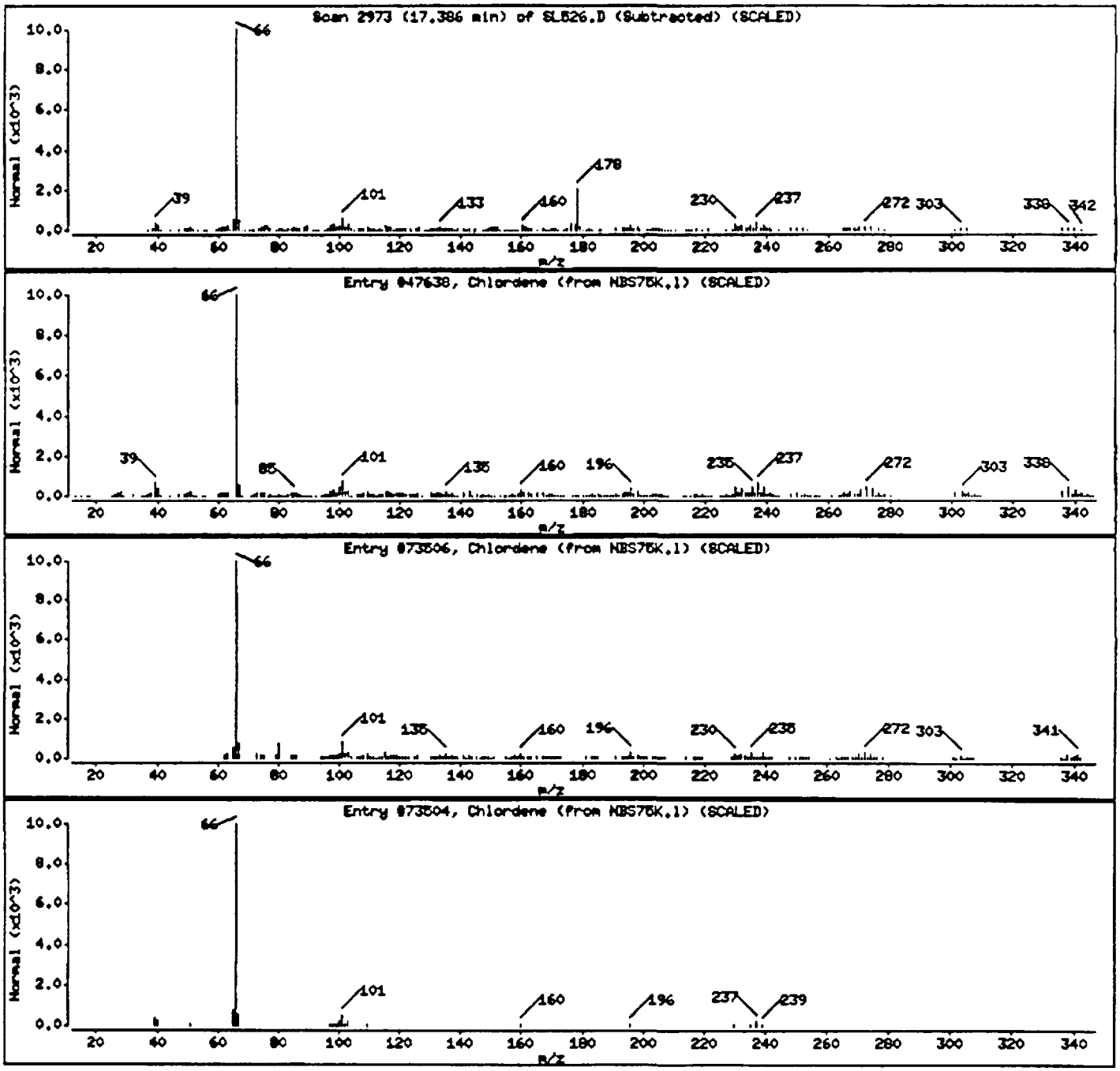
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Chlordane	3734-48-3	NBS75K.1	47638	98	C10H6Cl6	336
Chlordane	3734-48-3	NBS75K.1	73506	94	C10H6Cl6	336
Chlordane	3734-48-3	NBS75K.1	73504	78	C10H6Cl6	336



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmmi0u,00929a.b,olp31,i-olp90,sub

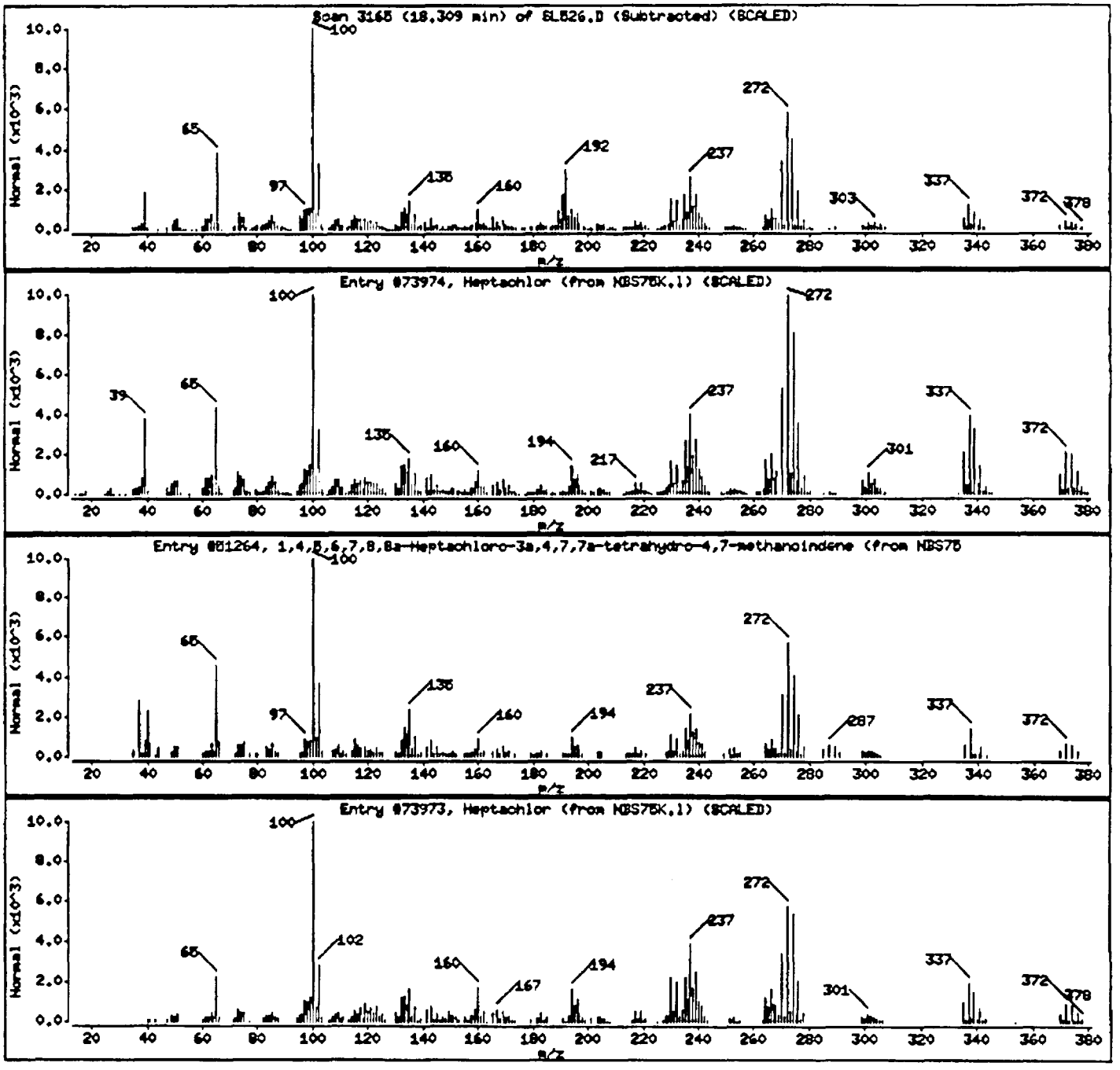
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptachlor	76-44-8	NBS75K.l	73974	97	C10H5Cl7	370
1,4,5,6,7,8,8a-Heptachloro-3a,4,7,7a-tet	0-00-0	NBS75K.l	81264	93	C10H5Cl7	370
Heptachlor	76-44-8	NBS75K.l	73973	91	C10H5Cl7	370



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90,sub

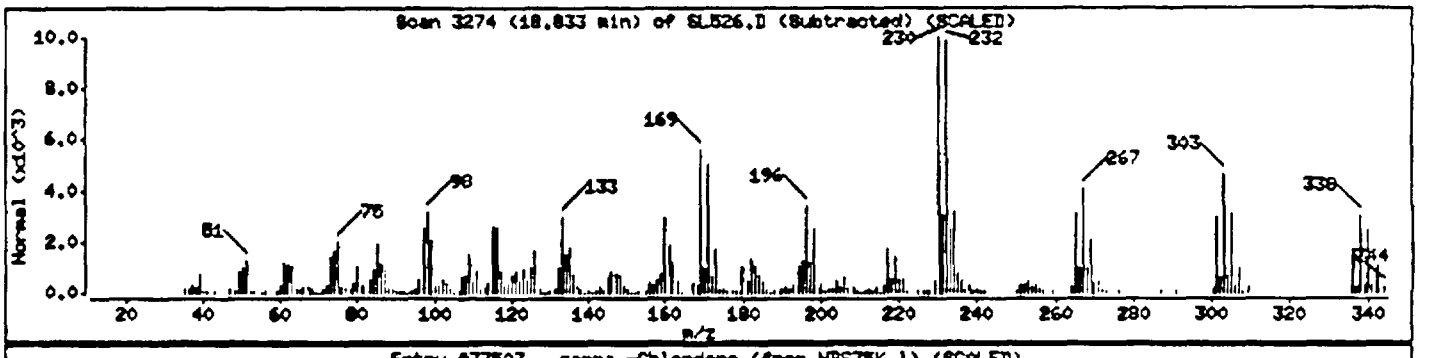
Volume Injected (uL): 2.0

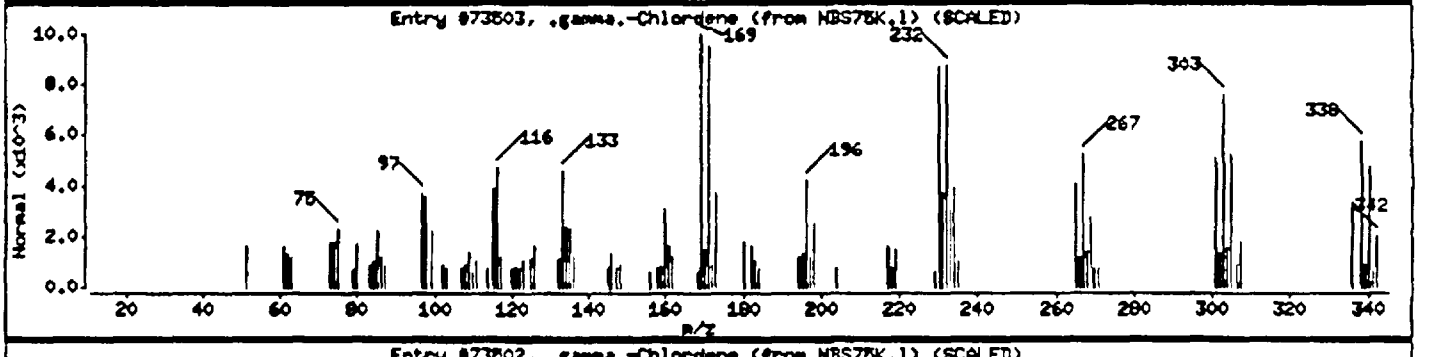
Operator: 001574

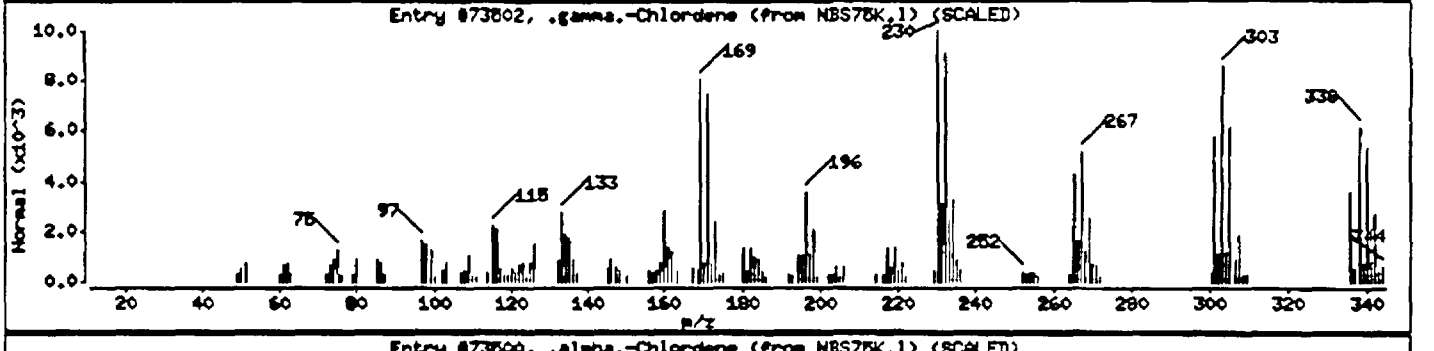
Column phase:

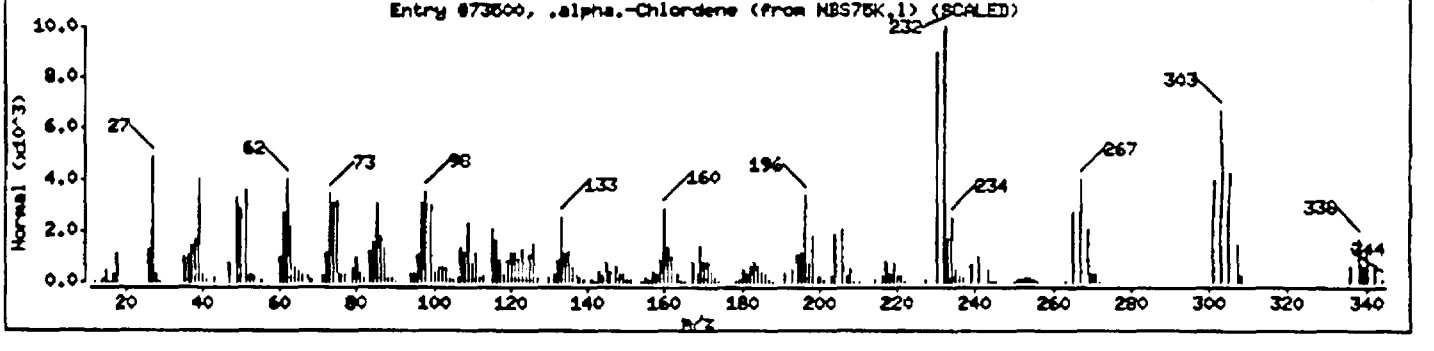
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
.gamma.-Chlordane	56641-38-4	NBS75K.1	73503	99	C10H6Cl6	336
.gamma.-Chlordane	56641-38-4	NBS75K.1	73502	96	C10H6Cl6	336
.alpha.-Chlordane	56534-02-2	NBS75K.1	73500	87	C10H6Cl6	336









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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90.sub

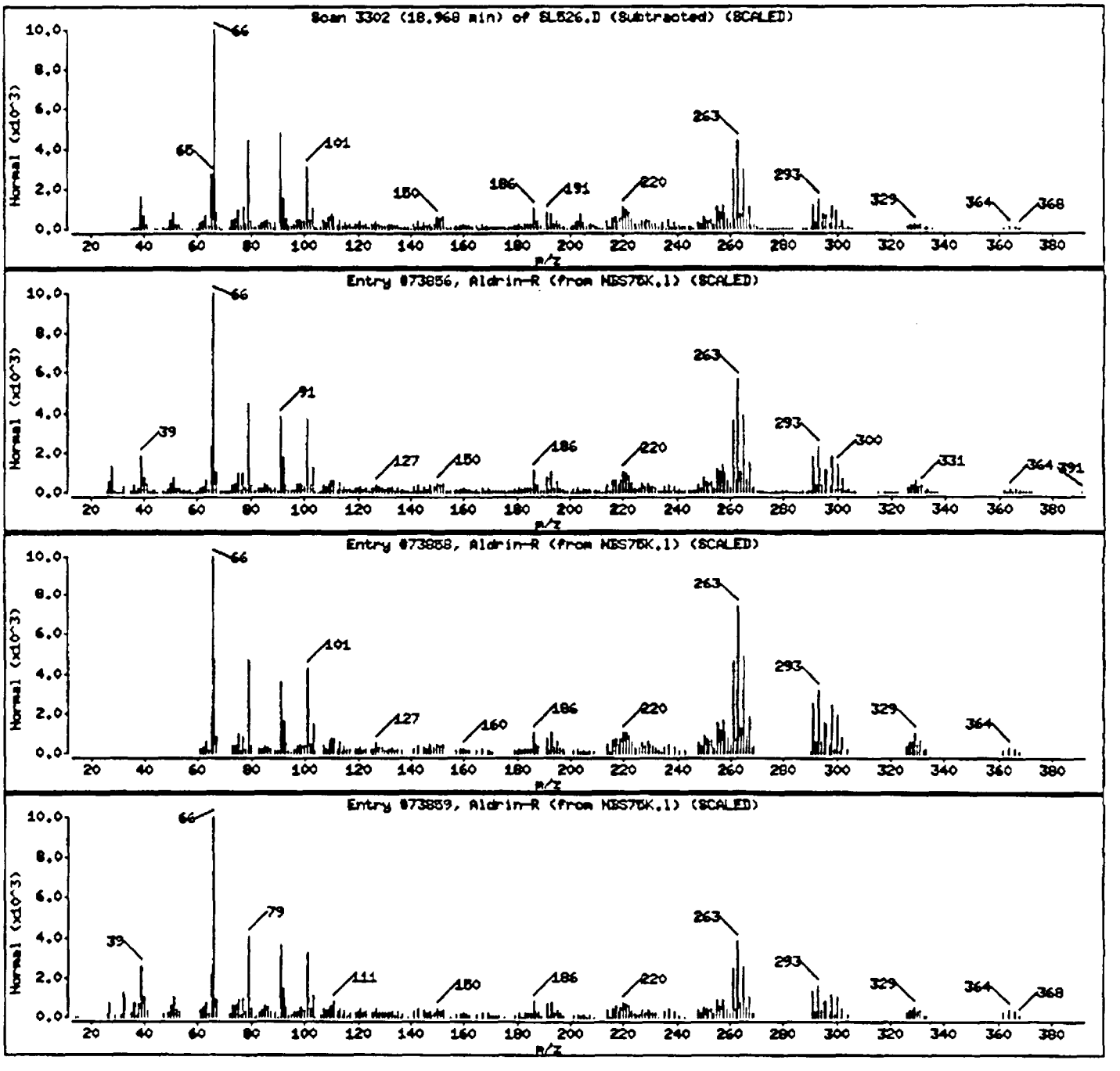
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Aldrin-R	309-00-2	NBS75K.l	73856	96	C12H8Cl6	362
Aldrin-R	309-00-2	NBS75K.l	73858	91	C12H8Cl6	362
Aldrin-R	309-00-2	NBS75K.l	73859	91	C12H8Cl6	362



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Date : 29-SEP-2000 23:36

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrnmi0u,00929a.b,olp31,i-olp90,sub

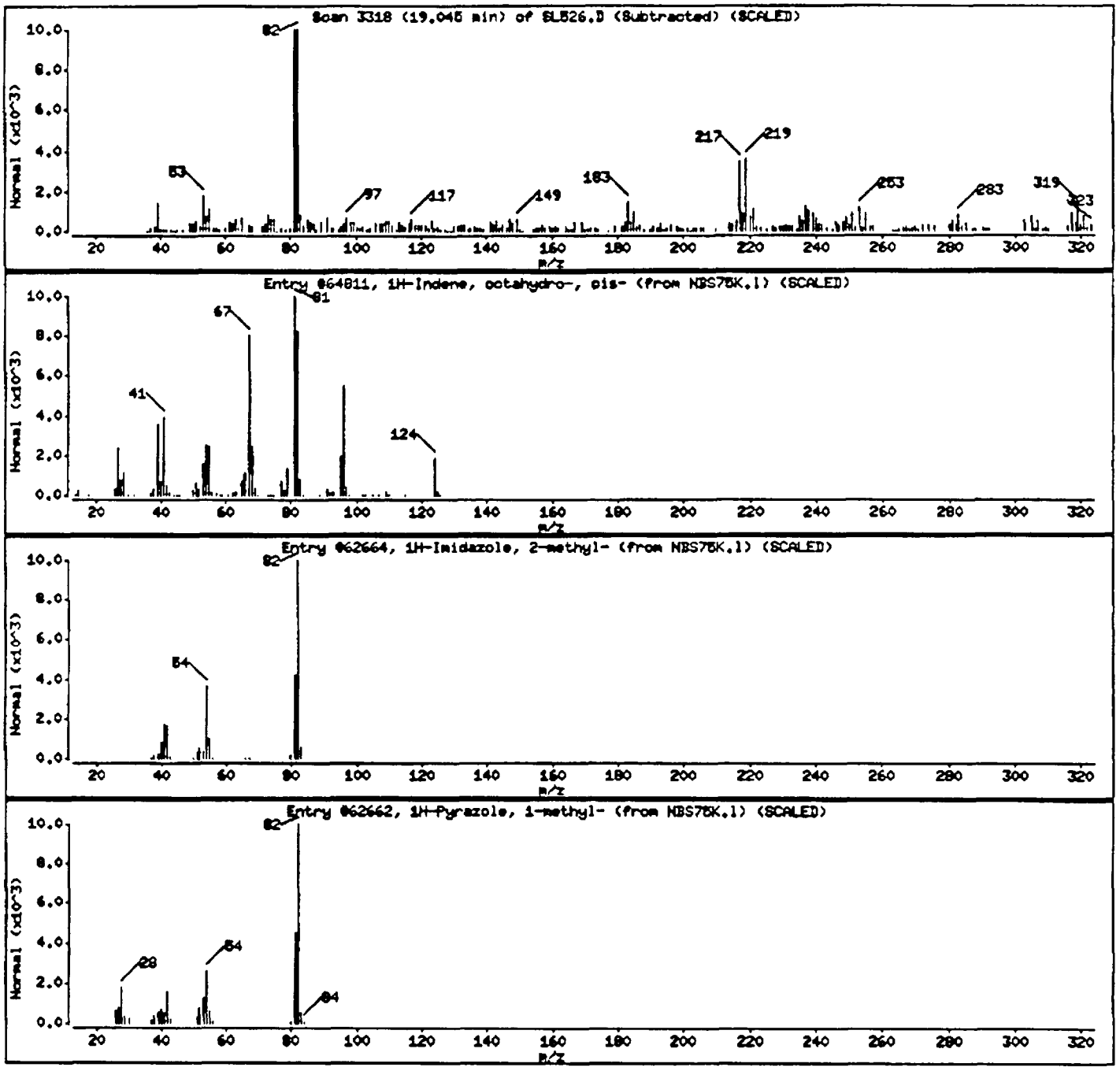
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Indene, octahydro-, cis-	4551-51-3	NBS75K.l	64811	33	C9H16	124
1H-Imidazole, 2-methyl-	693-98-1	NBS75K.l	62664	22	C4H6N2	82
1H-Pyrazole, 1-methyl-	930-36-9	NBS75K.l	62662	22	C4H6N2	82



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrnm10u,00929a.b,olp31,1-olp90,sub

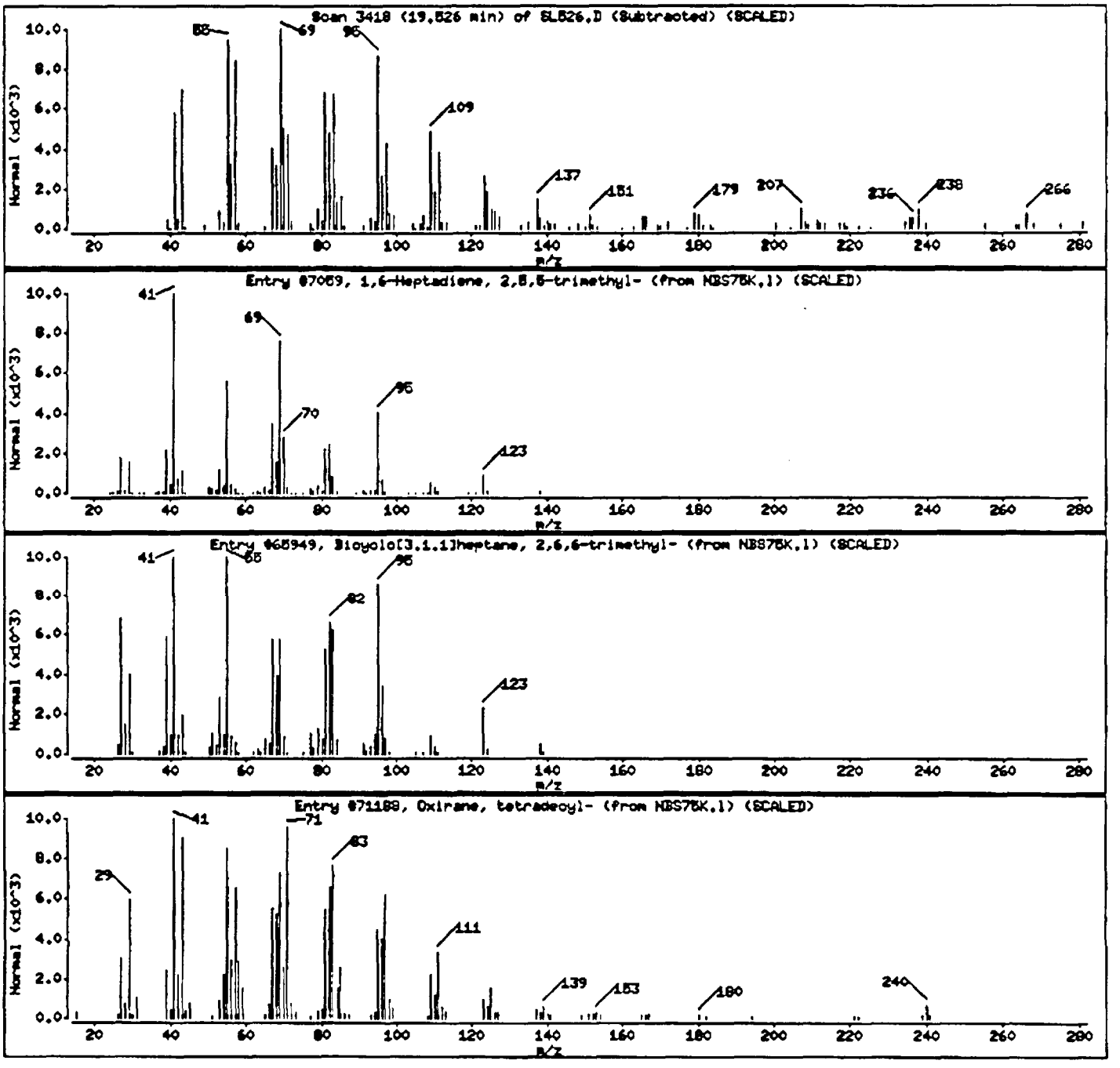
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,6-Heptadiene, 2,5,5-trimethyl-	62238-28-2	NBS75K.l	7069	43	C10H18	138
Bicyclo[3.1.1]heptane, 2,6,6-trimethyl-	473-55-2	NBS75K.l	65949	41	C10H18	138
Oxirane, tetradecyl-	7320-37-8	NBS75K.l	71188	38	C16H320	240



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90,sub

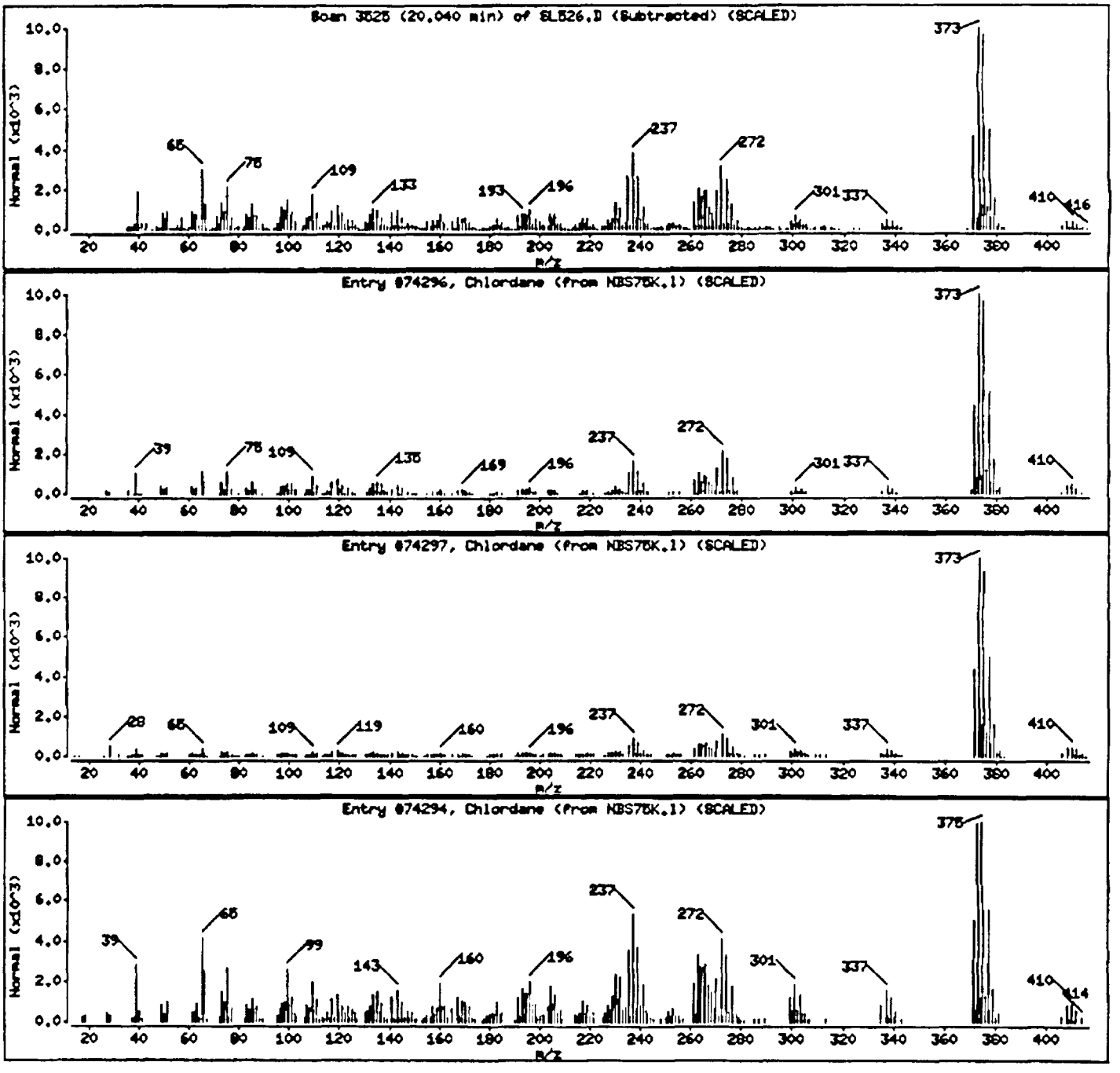
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlordane	57-74-9	NBS75K.l	74296	97	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.l	74297	96	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.l	74294	95	C10H6Cl8	406



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmai0u,00929a.b,olp31,i-olp90.sub

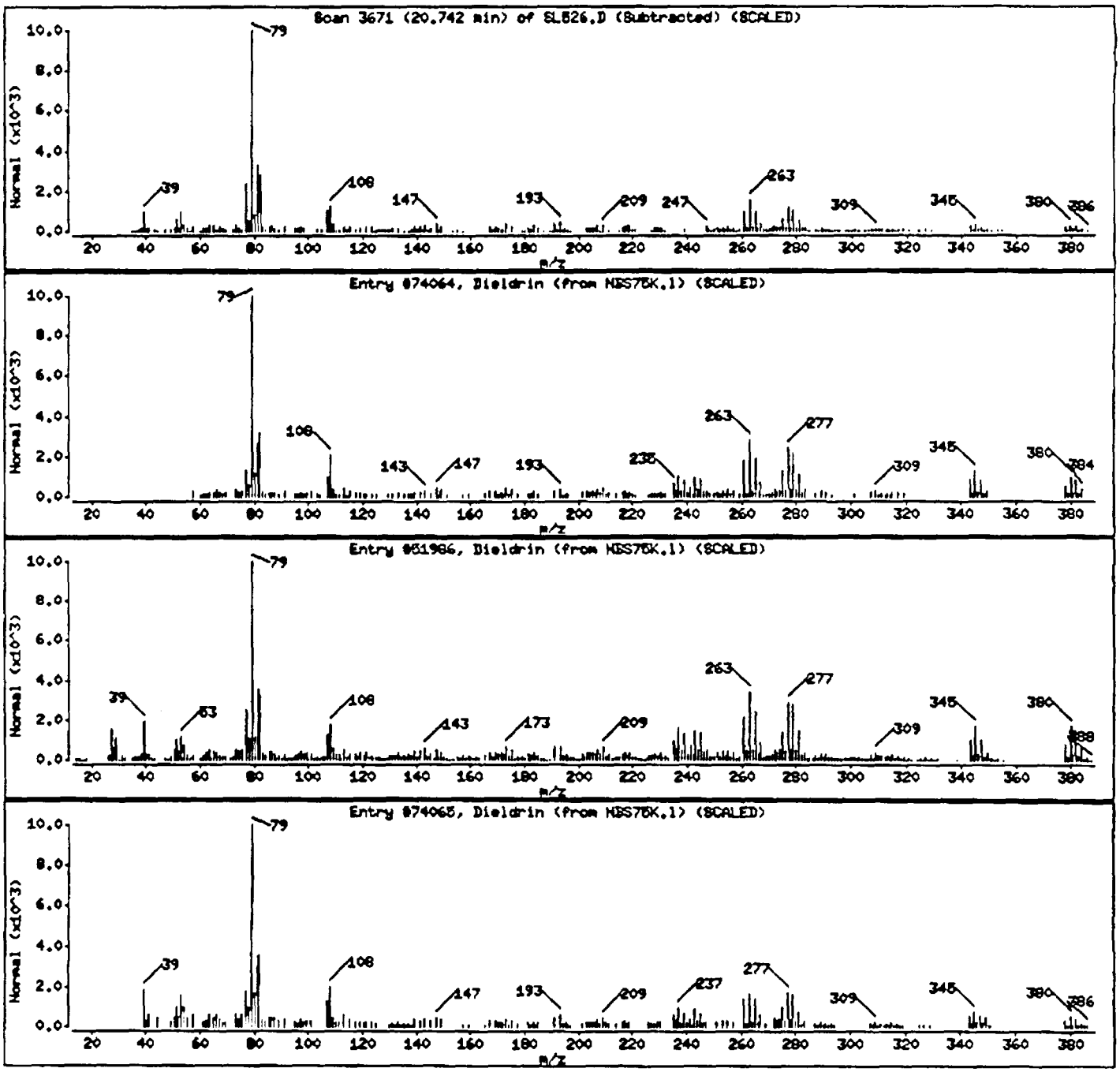
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dieldrin	60-57-1	NBS75K.l	74064	93	C12H8Cl6O	378
Dieldrin	60-57-1	NBS75K.l	81986	91	C12H8Cl6O	378
Dieldrin	60-57-1	NBS75K.l	74065	89	C12H8Cl6O	378



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90.sub

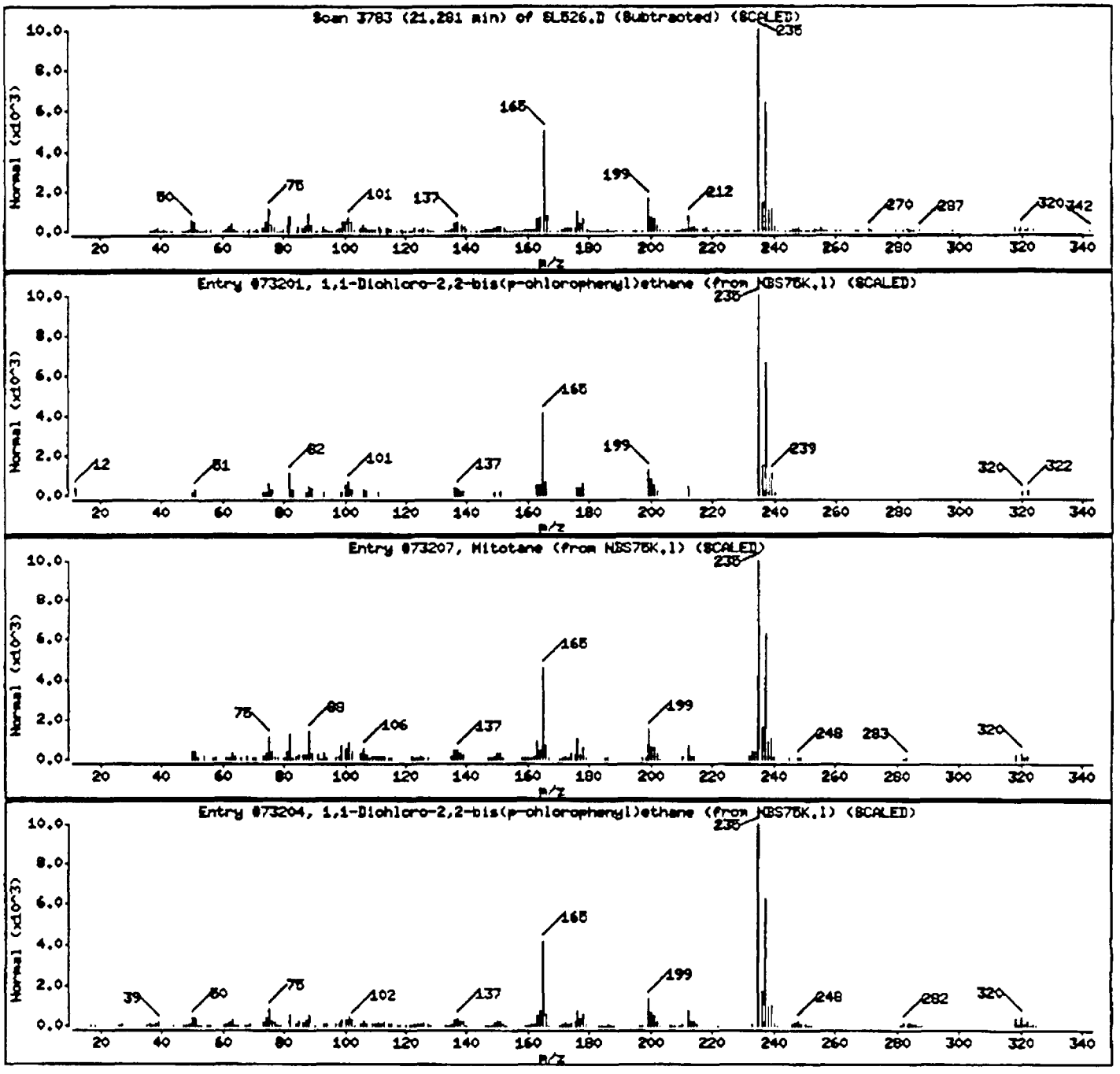
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
1,1-Dichloro-2,2-bis(p-chlorophenyl)etha	72-54-8	NBS75K.l	73201	96	C14H10Cl4	318
Mitotane	53-19-0	NBS75K.l	73207	95	C14H10Cl4	318
1,1-Dichloro-2,2-bis(p-chlorophenyl)etha	72-54-8	NBS75K.l	73204	94	C14H10Cl4	318



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmm10u,00929a.b,clp31,1-clp90,sub

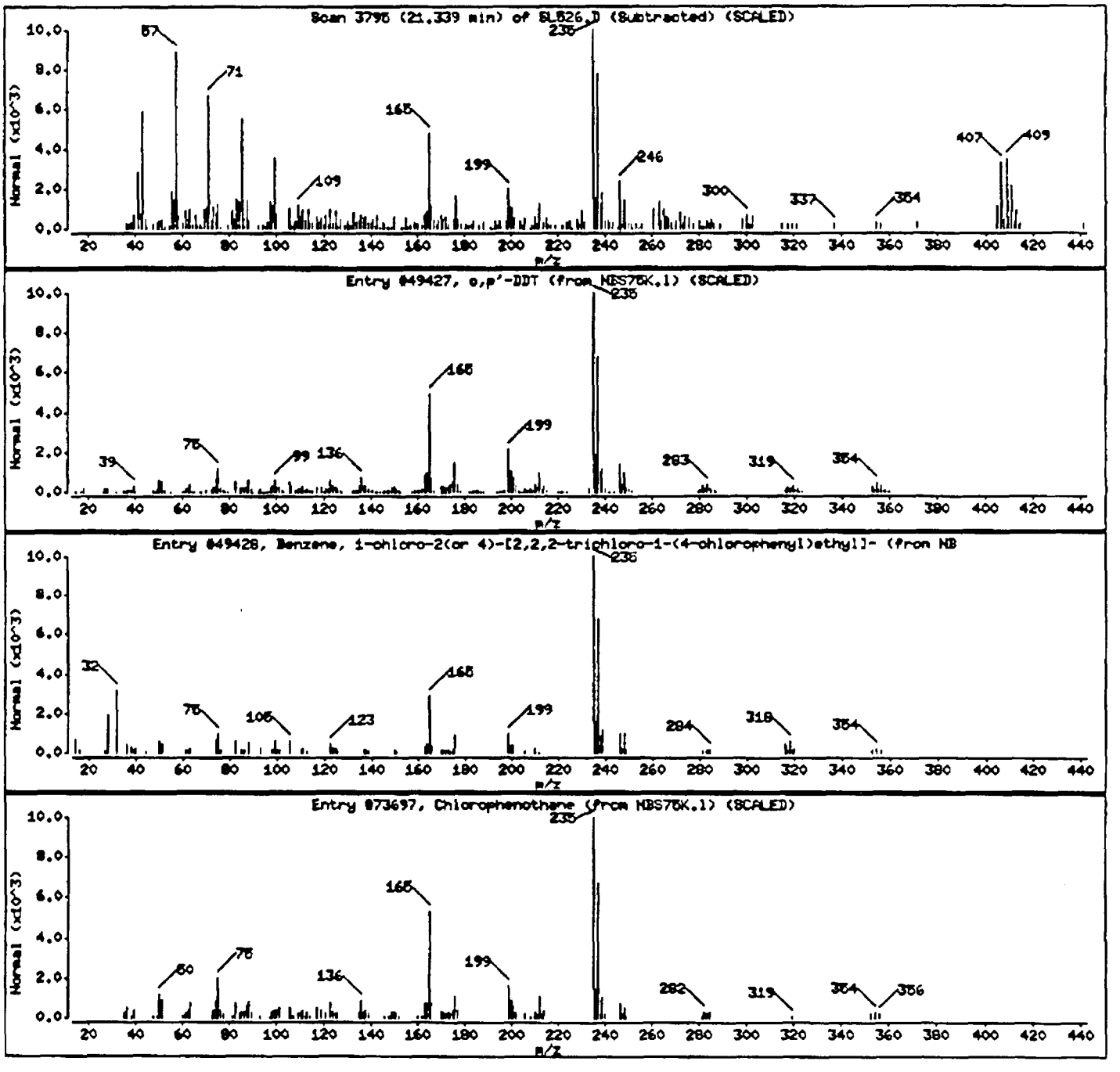
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
o,p'-DDT	789-02-6	NBS75K.l	49427	96	C14H9Cl5	352
Benzene, 1-chloro-2(or 4)-[2,2,2-trichlo	72347-68-3	NBS75K.l	49428	91	C14H9Cl5	352
Chlorophenothane	50-29-3	NBS75K.l	73697	78	C14H9Cl5	352



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,clp31,1-clp90,sub

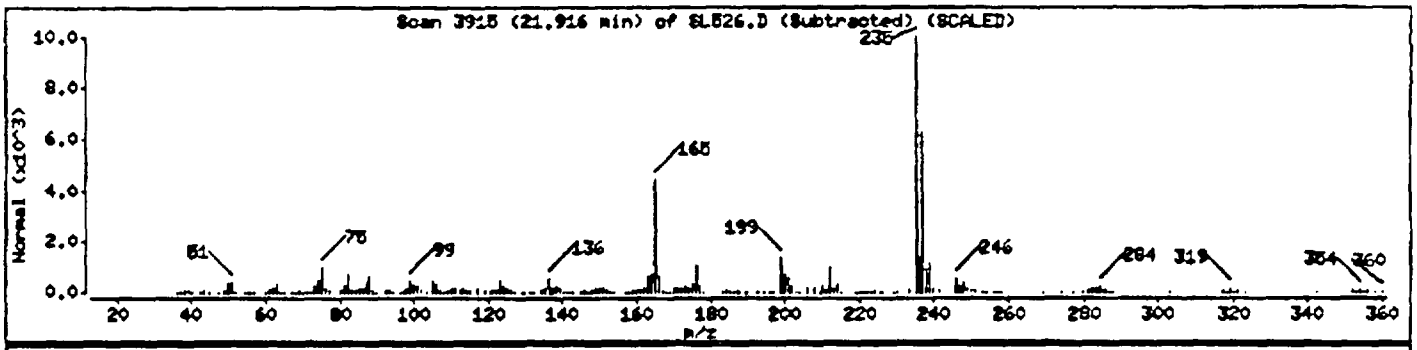
Volume Injected (uL): 2.0

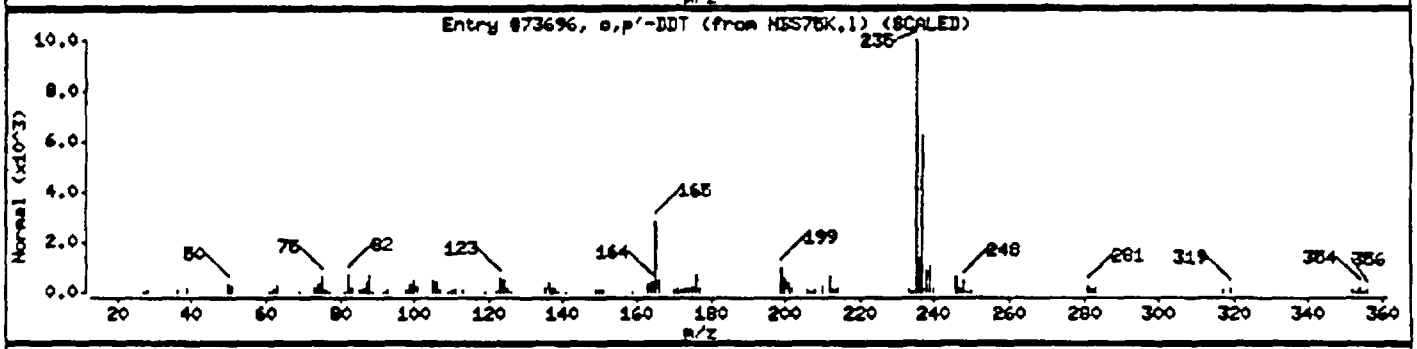
Operator: 001574

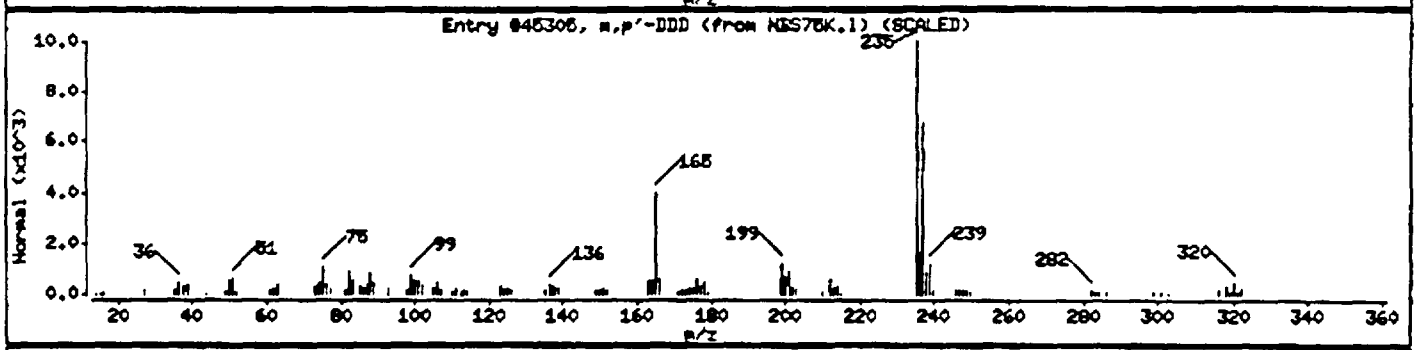
Column phase:

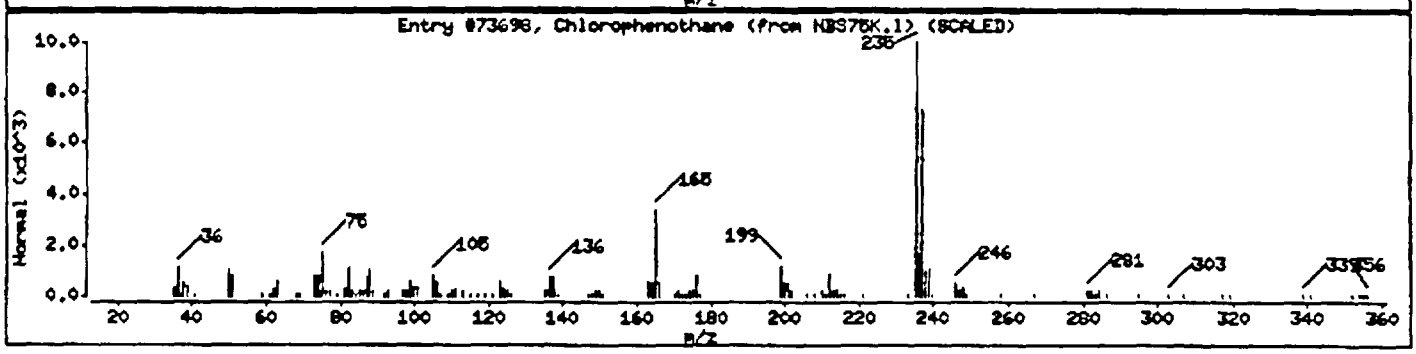
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
o,p'-DDT	789-02-6	NBS75K.1	73696	95	C14H9Cl5	352
m,p'-DDD	4329-12-8	NBS75K.1	45305	94	C14H10Cl4	318
Chlorophenothane	50-29-3	NBS75K.1	73698	91	C14H9Cl5	352









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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90,sub

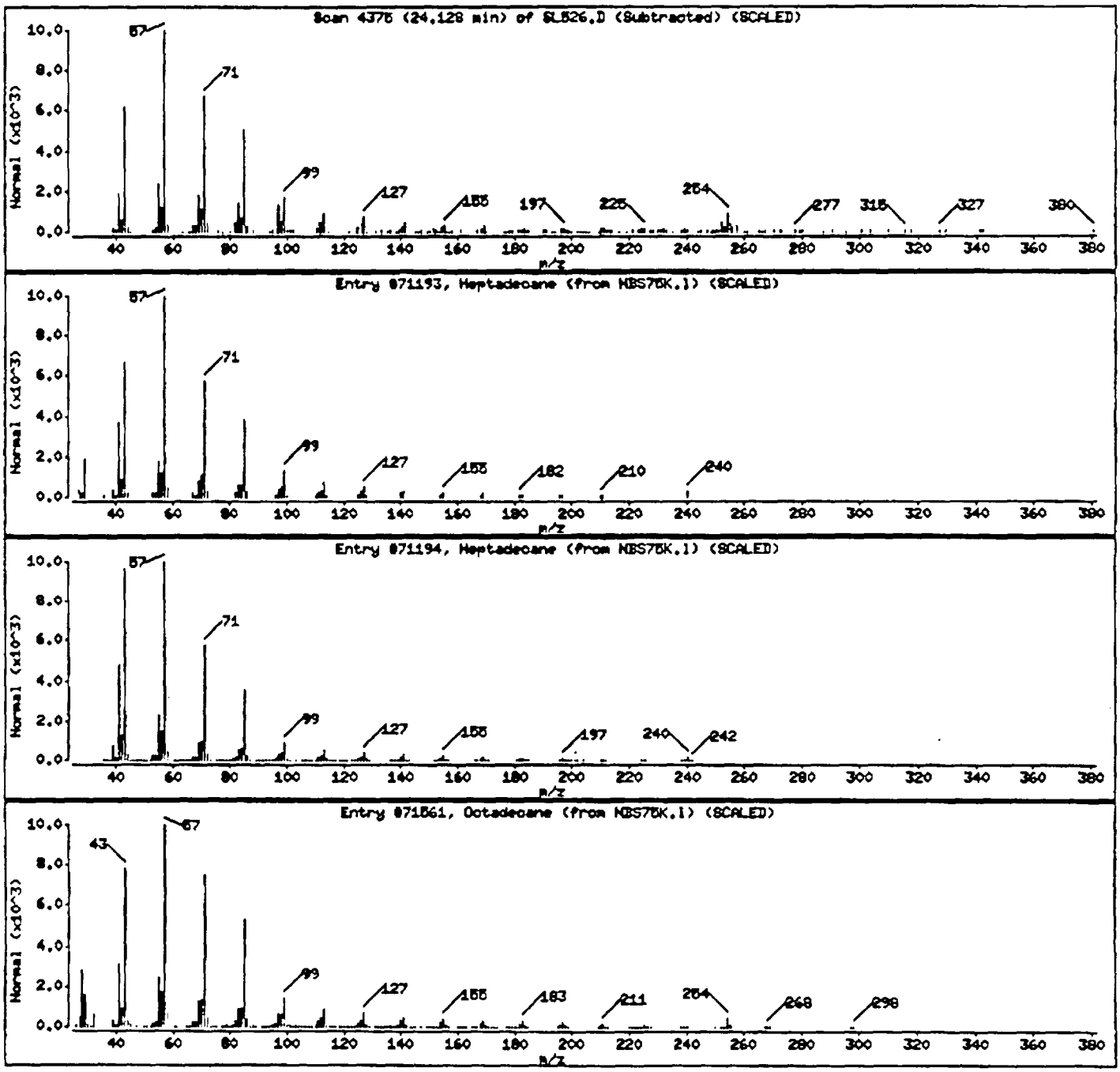
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptadecane	629-78-7	NBS75K.l	71193	95	C17H36	240
Heptadecane	629-78-7	NBS75K.l	71194	95	C17H36	240
Octadecane	593-45-3	NBS75K.l	71561	94	C18H38	254



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90.sub

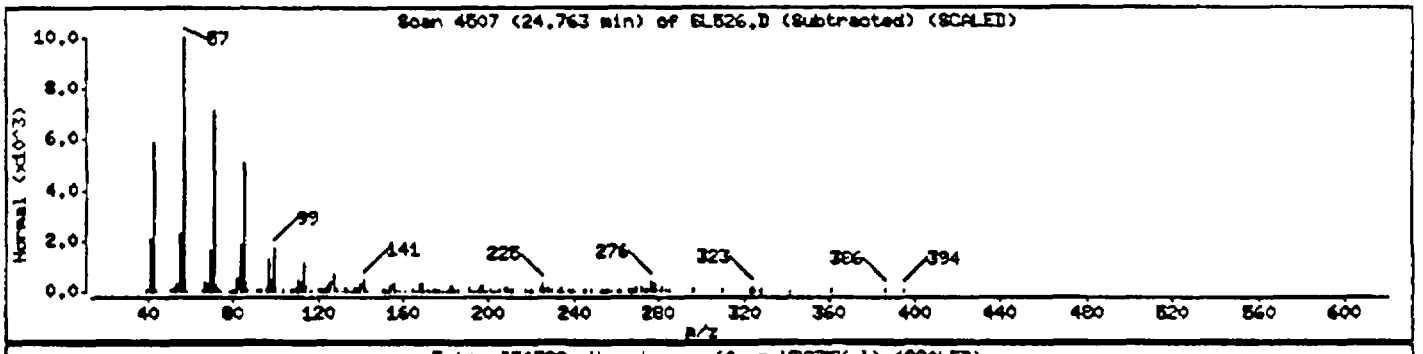
Volume Injected (uL): 2.0

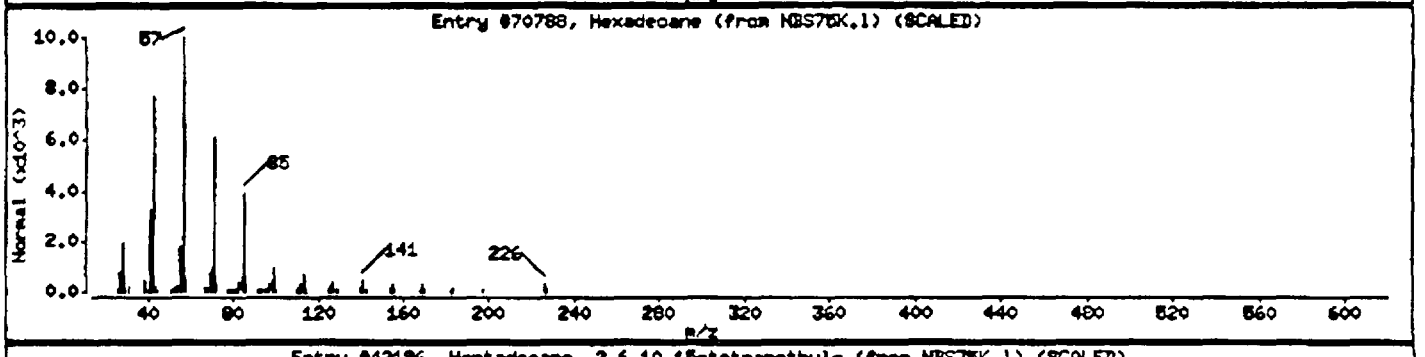
Operator: 001574

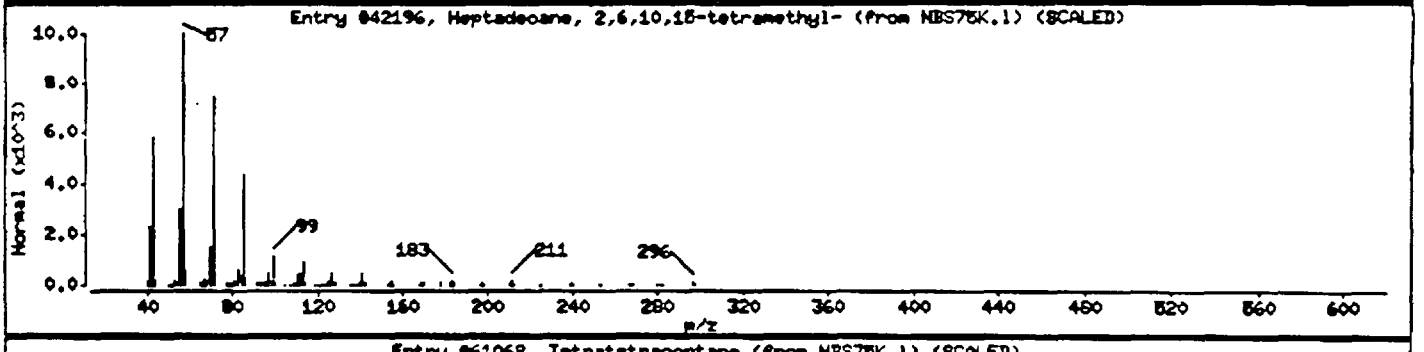
Column phase:

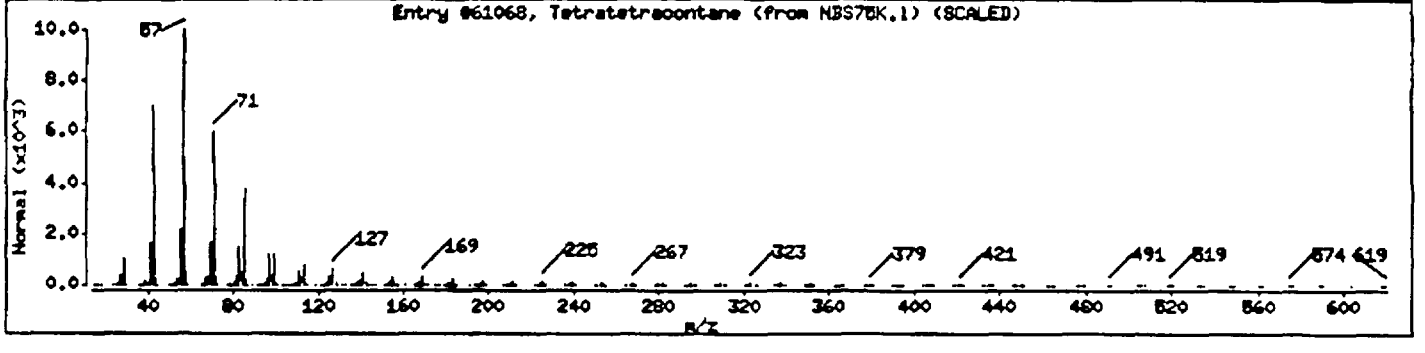
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Hexadecane	544-76-3	NBS75K.1	70788	91	C16H34	226
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NBS75K.1	42196	91	C21H44	296
Tetratetracontane	7098-22-8	NBS75K.1	61068	90	C44H90	619









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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrnm10u,00929a.b,olp31,1-olp90.sub

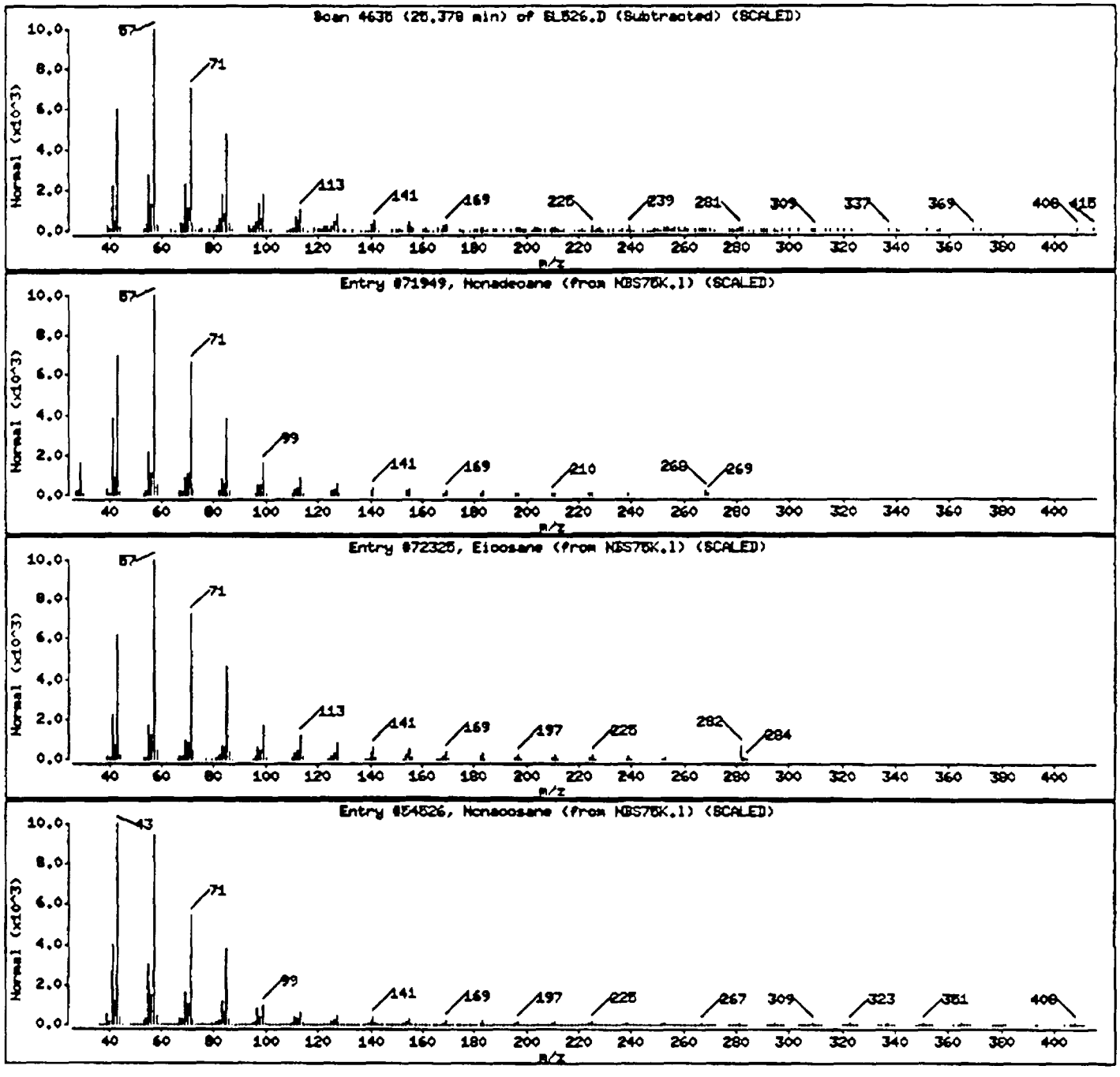
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonadecane	629-92-5	NBS75K.1	71949	96	C19H40	268
Eicosane	112-95-8	NBS75K.1	72325	95	C20H42	282
Nonacosane	630-03-5	NBS75K.1	54526	95	C29H60	408



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmm10u,00929a.b,clp31.i-clp90.sub

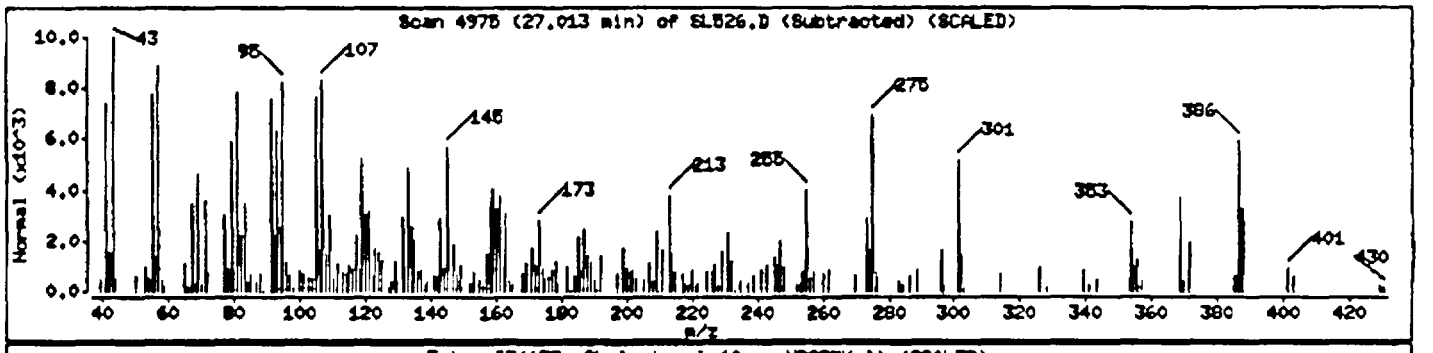
Volume Injected (uL): 2.0

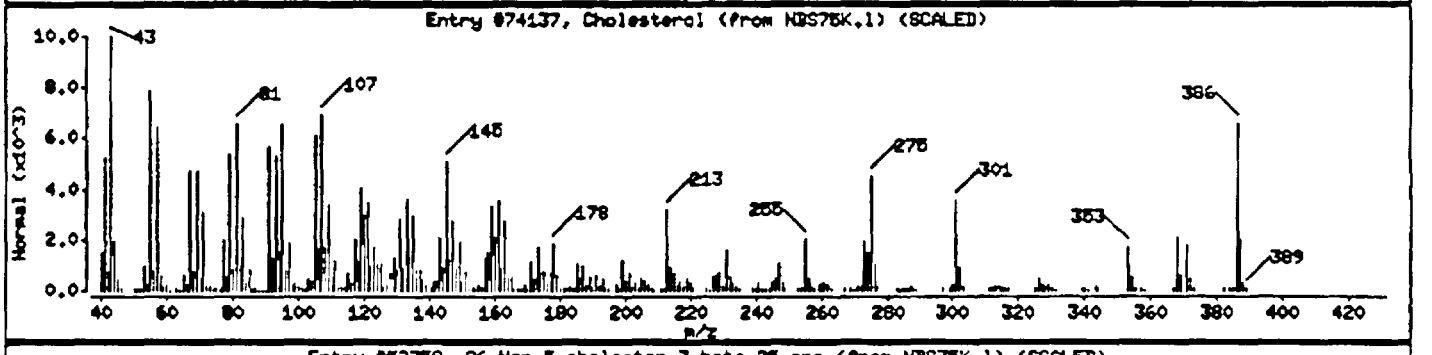
Operator: 001574

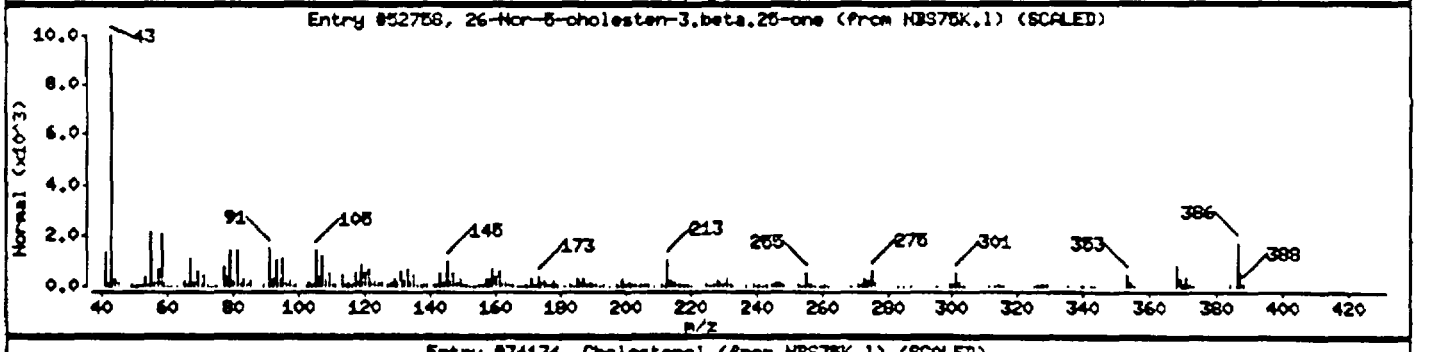
Column phase:

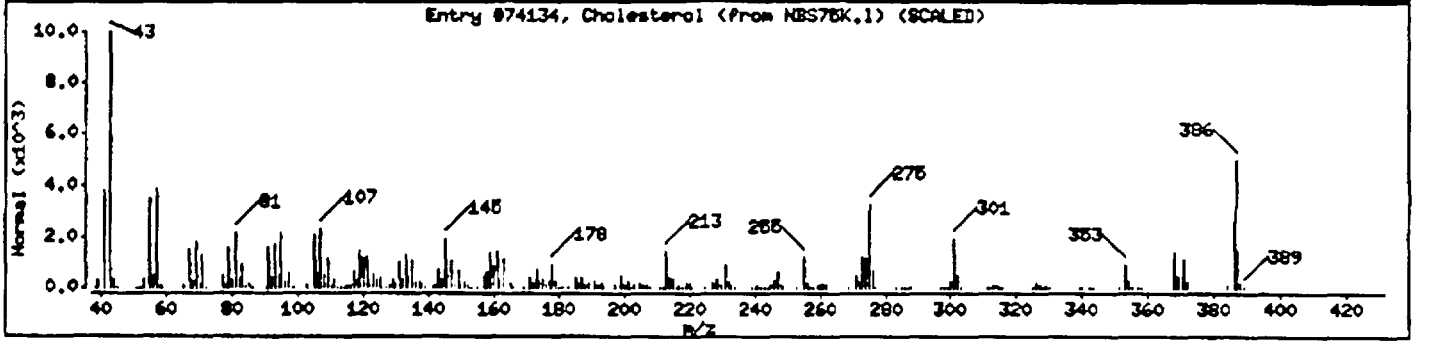
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.1	74137	91	C27H46O	386
26-Nor-5-cholesten-3.beta.25-one	0-00-0	NBS75K.1	52758	91	C26H42O2	386
Cholesterol	57-88-5	NBS75K.1	74134	58	C27H46O	386









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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrnmi0u,00929a.b,olp31,1-olp90.sub

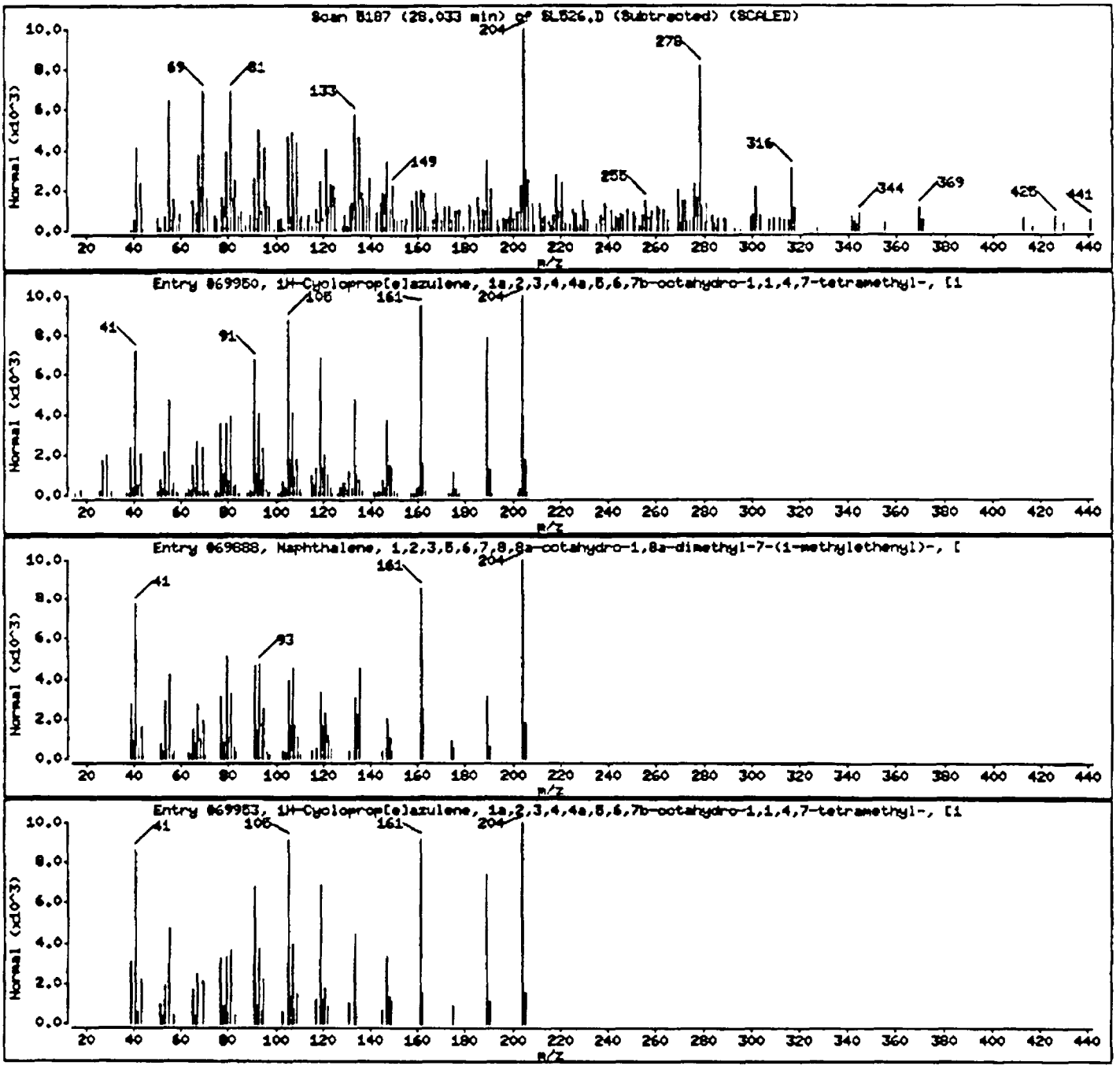
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69950	42	C15H24	204
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.l	69888	35	C15H24	204
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69953	30	C15H24	204



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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90.sub

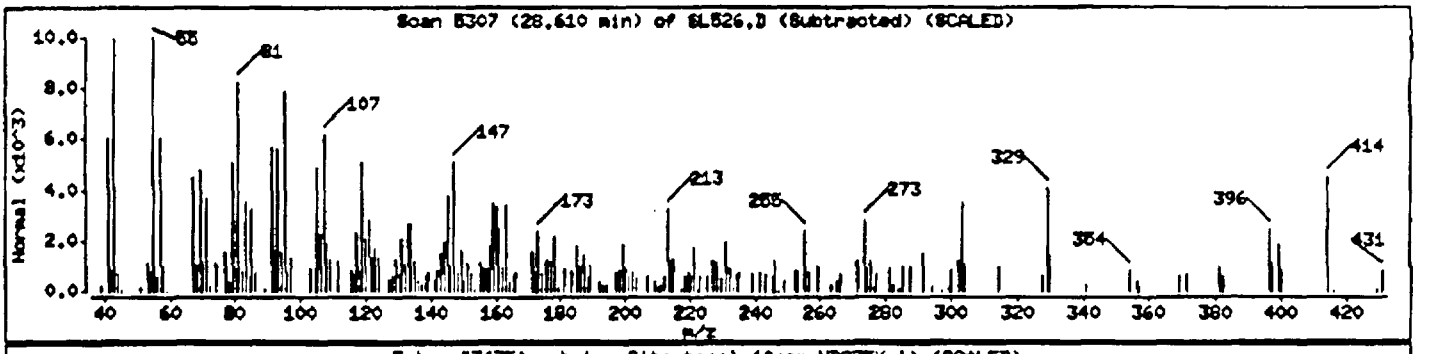
Volume Injected (uL): 2.0

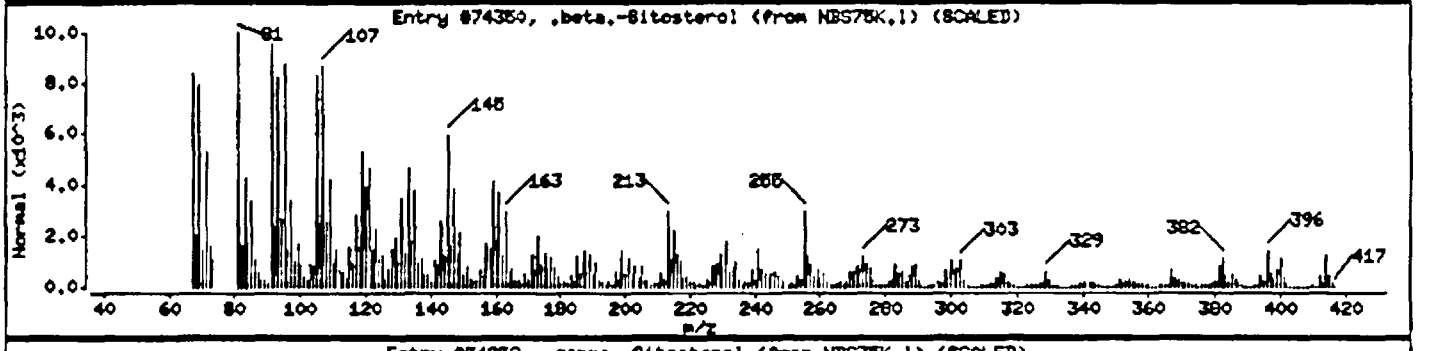
Operator: 001574

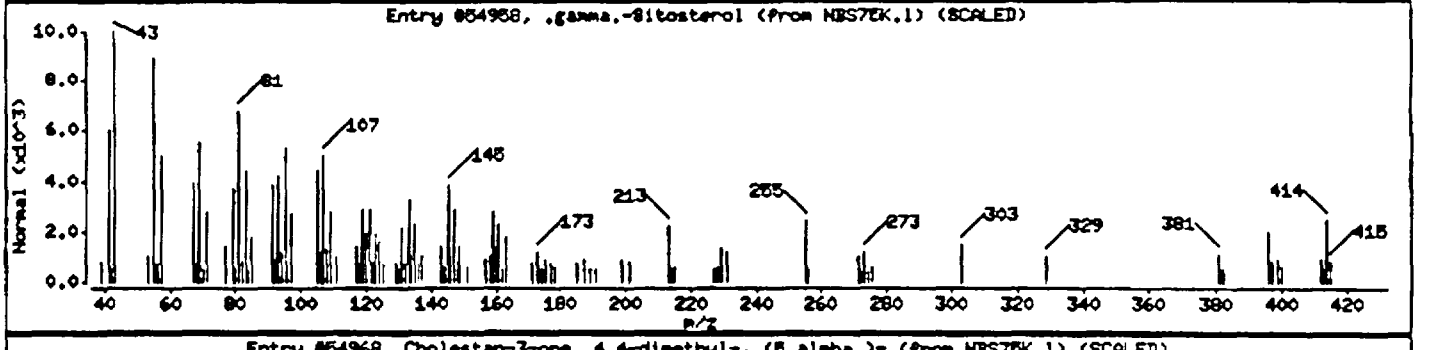
Column phase:

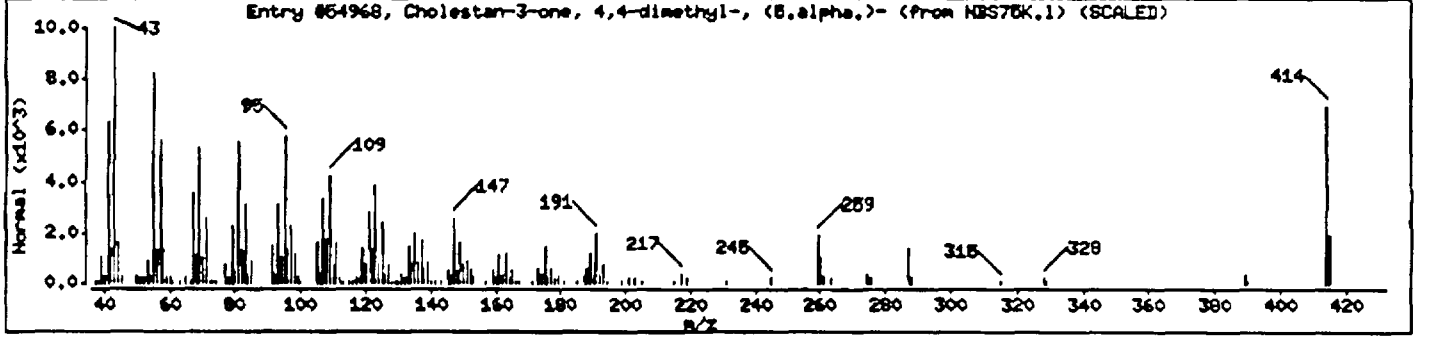
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.beta.-Sitosterol	83-46-5	NBS75K.1	74350	30	C29H500	414
.gamma.-Sitosterol	83-47-6	NBS75K.1	54968	25	C29H500	414
Cholestan-3-one, 4,4-dimethyl-, (5.alpha	2097-85-0	NBS75K.1	54968	15	C29H500	414









RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: I01248

Matrix: (soil/water) SO Lab Sample ID: A0I010248 006
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRNN10U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 21

QC Batch: 0249298

Client Sample Id: SL52-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl) ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitrosodi-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 006
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRNN10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:21

QC Batch: 0249298

Client Sample Id: SL52-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethyl phthalate	420	U
7005-72-3	4-Chlorophenyl phenyl ether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenyl phenyl ether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butyl phthalate	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butyl benzyl phthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 006
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRNN10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:21

QC Batch: 0249298

Client Sample Id: SL52-4'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**71**	**J**
117-84-0	Di-n-octyl phthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(ghi)perylene	420	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 006
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRNN10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:21

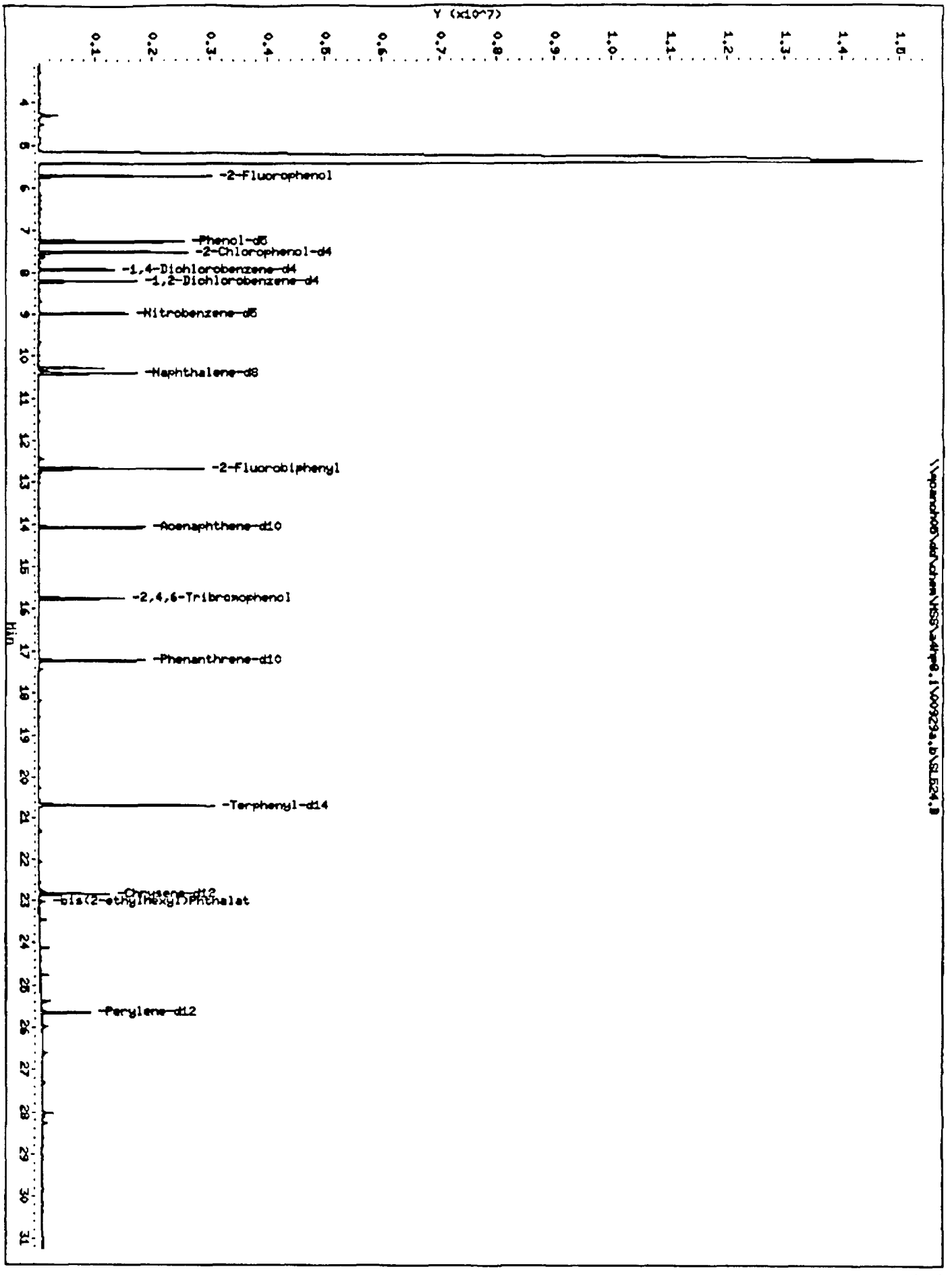
QC Batch: 0249298

Client Sample Id: SL52-4'

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.4182	65000	JA
	Unknown	10.289	570	J
	Unknown	10.366	95	J
	Unknown Hydrocarbon	24.124	110	J
	Unknown Hydrocarbon	24.764	130	J
	Unknown Hydrocarbon	25.374	150	J
	Unknown Hydrocarbon	26.601	110	J
	Unknown	28.029	250	J
	Unknown	28.26	110	J

FORM I - TIC


Y (x10^7)
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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
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27
28
29
30
31
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL524.D
Lab Smp Id: DJRNN10U Client Smp ID: SL52-4'
Inj Date : 30-SEP-2000 00:15
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnn10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.942	7.940	(1.000)	303025	40.0000	
* 2 Naphthalene-d8	136	10.414	10.426	(1.000)	1206028	40.0000	
* 3 Acenaphthene-d10	164	14.078	14.095	(1.000)	708667	40.0000	
* 4 Phenanthrene-d10	188	17.228	17.240	(1.000)	1136148	40.0000	
* 5 Chrysene-d12	240	22.850	22.866	(1.000)	723383	40.0000	
* 6 Perylene-d12	264	25.653	25.665	(1.000)	548173	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

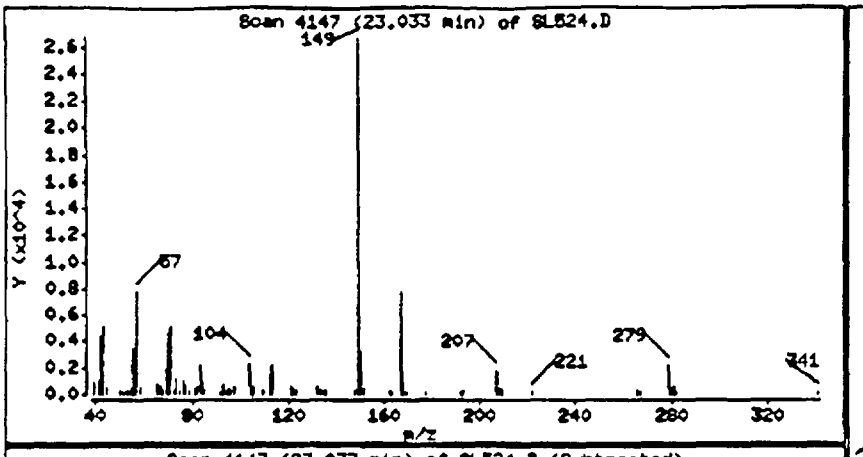
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	Compound Not Detected.					
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	Compound Not Detected.					
59 Pyrene	202	Compound Not Detected.					
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

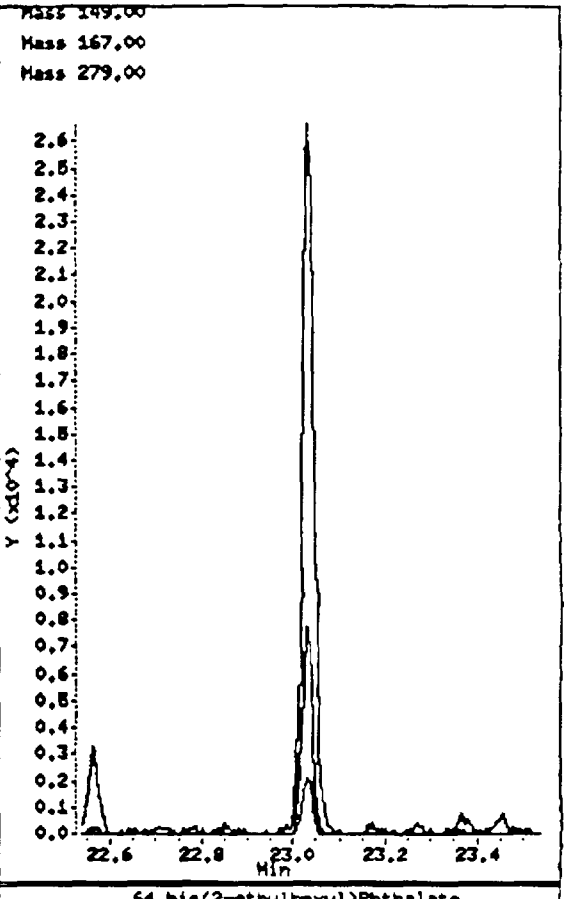
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	23.032	23.039	(1.008)	46500	3.37371	56(a)
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	66 Benzo(b)fluoranthene	252	Compound Not Detected.					
	67 Benzo(k)fluoranthene	252	Compound Not Detected.					
	68 Benzo(a)pyrene	252	Compound Not Detected.					
	69 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$	72 Nitrobenzene-d5	82	8.991	8.998	(0.863)	877074	71.2871	1200
$	73 2-Fluorobiphenyl	172	12.689	12.696	(0.901)	1503294	78.1812	1300
$	74 Terphenyl-d14	244	20.681	20.683	(0.905)	1897031	108.002	1800
$	75 Phenol-d5	99	7.274	7.262	(0.916)	1581220	116.829	1900
$	76 2-Fluorophenol	112	5.730	5.670	(0.722)	1124376	112.012	1800
$	77 2,4,6-Tribromophenol	330	15.752	15.764	(0.914)	285456	110.160	1800(Q)
$	78 2-Chlorophenol-d4	132	7.524	7.517	(0.947)	1082124	121.998	2000(Q)
$	79 1,2-Dichlorobenzene-d4	152	8.221	8.223	(1.035)	390002	64.5825	1100

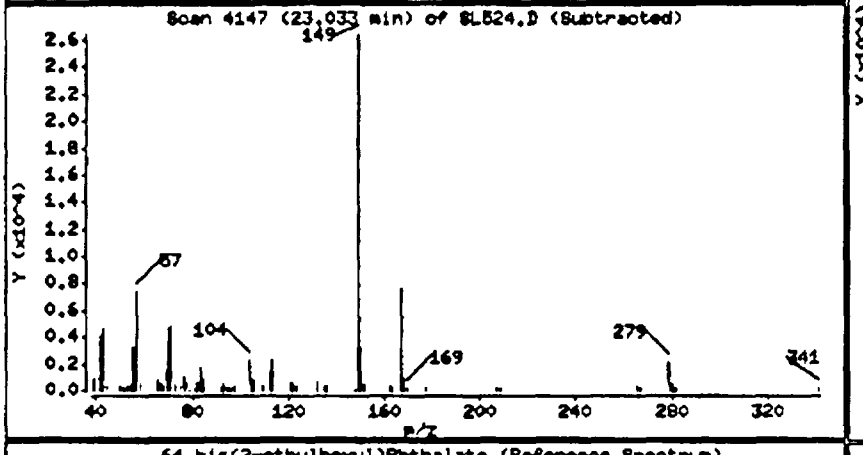
QC Flag Legend

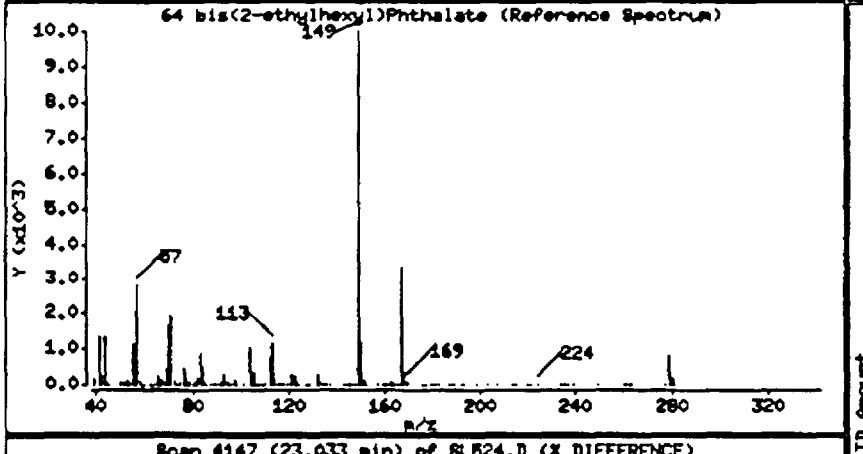
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

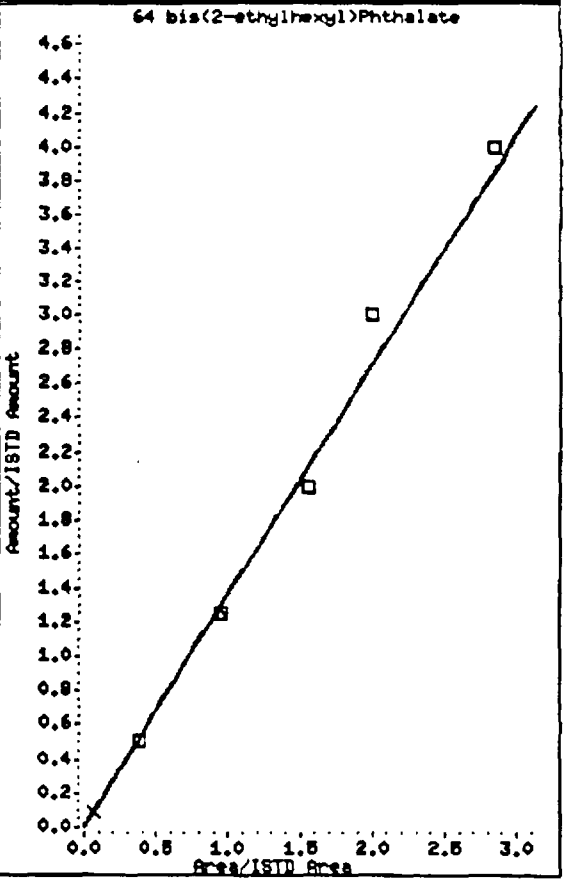
64 bis(2-ethylhexyl)Phthalate

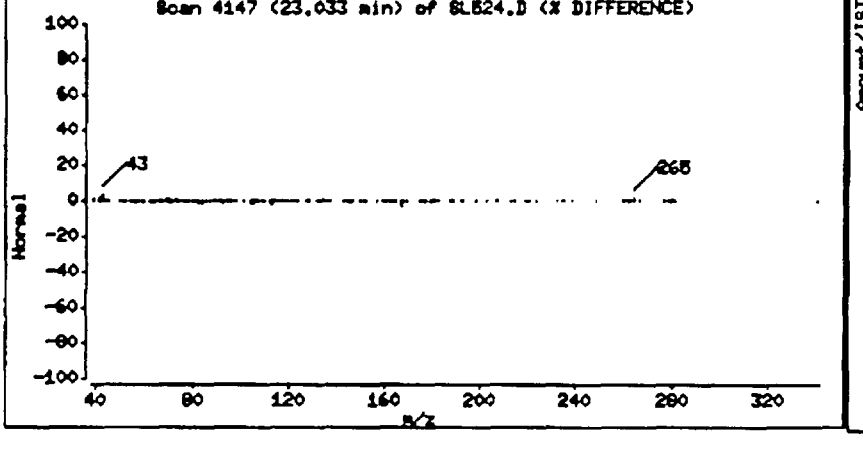












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL524.D
Lab Smp Id: DJRNN10U Client Smp ID: SL52-4'
Inj Date : 30-SEP-2000 00:15
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnn10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.943	1964028	40.000
* 2 Naphthalene-d8	10.415	2592172	40.000
* 5 Chrysene-d12	22.850	2144838	40.000
* 6 Perylene-d12	25.654	1585017	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.418	1.511e+008	3076.63198	51000	99		0	1
Unknown					CAS #:		
10.290	1753733	27.0619851	450	0		0	2
Unknown					CAS #:		
10.367	294637	4.54656558	75	0		0	2
Unknown Hydrocarbon					CAS #:		
24.124	286492	5.34291168	88	99		0	5
Unknown Hydrocarbon					CAS #:		
24.764	250078	6.31104903	100	99		0	6
Unknown Hydrocarbon					CAS #:		
25.375	282497	7.12918537	120	99		0	6
Unknown Hydrocarbon					CAS #:		
26.601	210525	5.31288150	88	99		0	6
Unknown					CAS #:		
28.029	487211	12.2954139	200	0		0	6
Unknown					CAS #:		
28.260	211899	5.34785182	88	0		0	6

Data File: \\mcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL524.D

Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrmn10u,00929a.b,olp31,i-olp90.sub

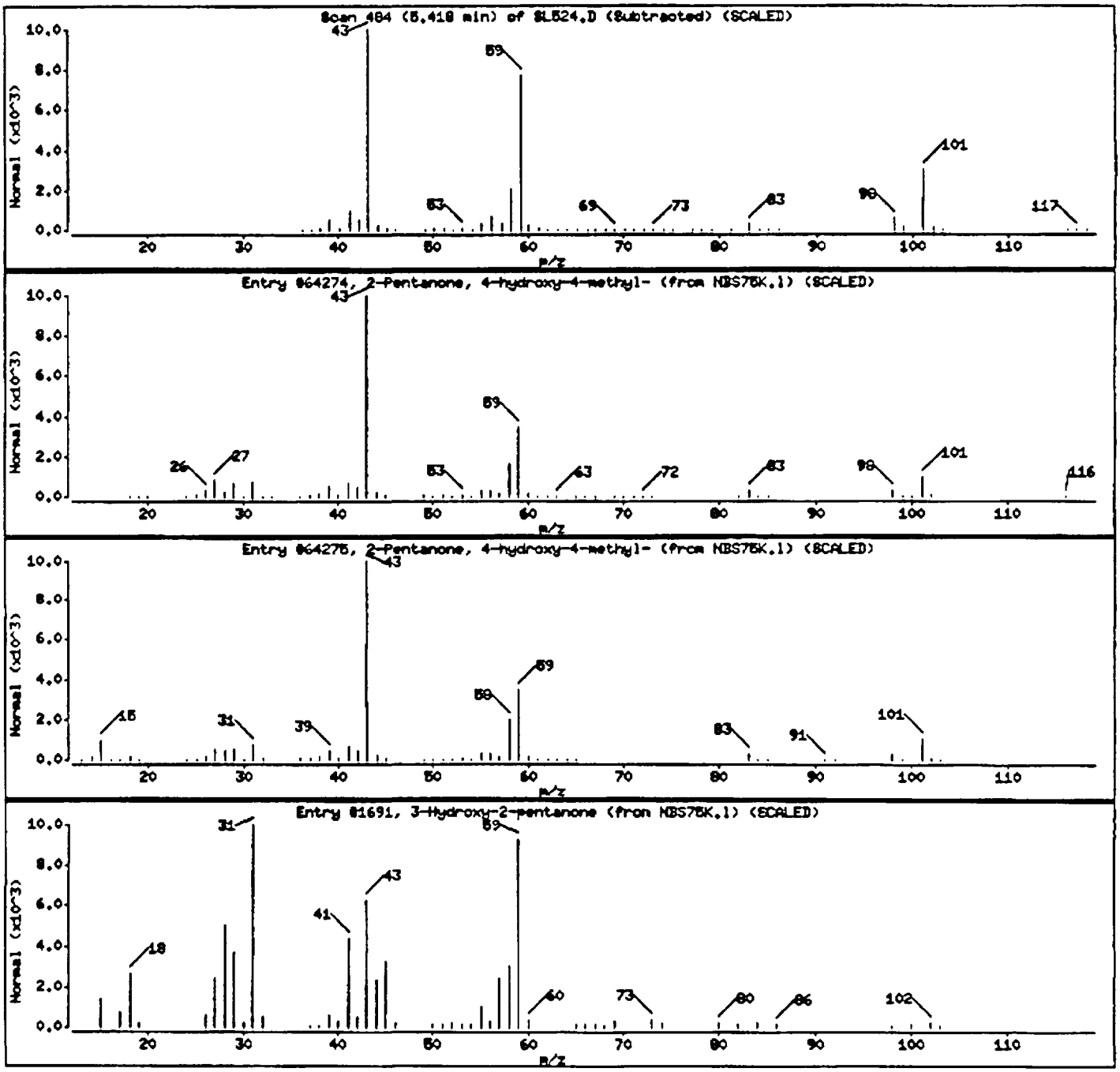
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	64	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	33	C5H10O2	102



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL524.D

Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrmnd10u,00929a.b,olp31,1-olp90,sub

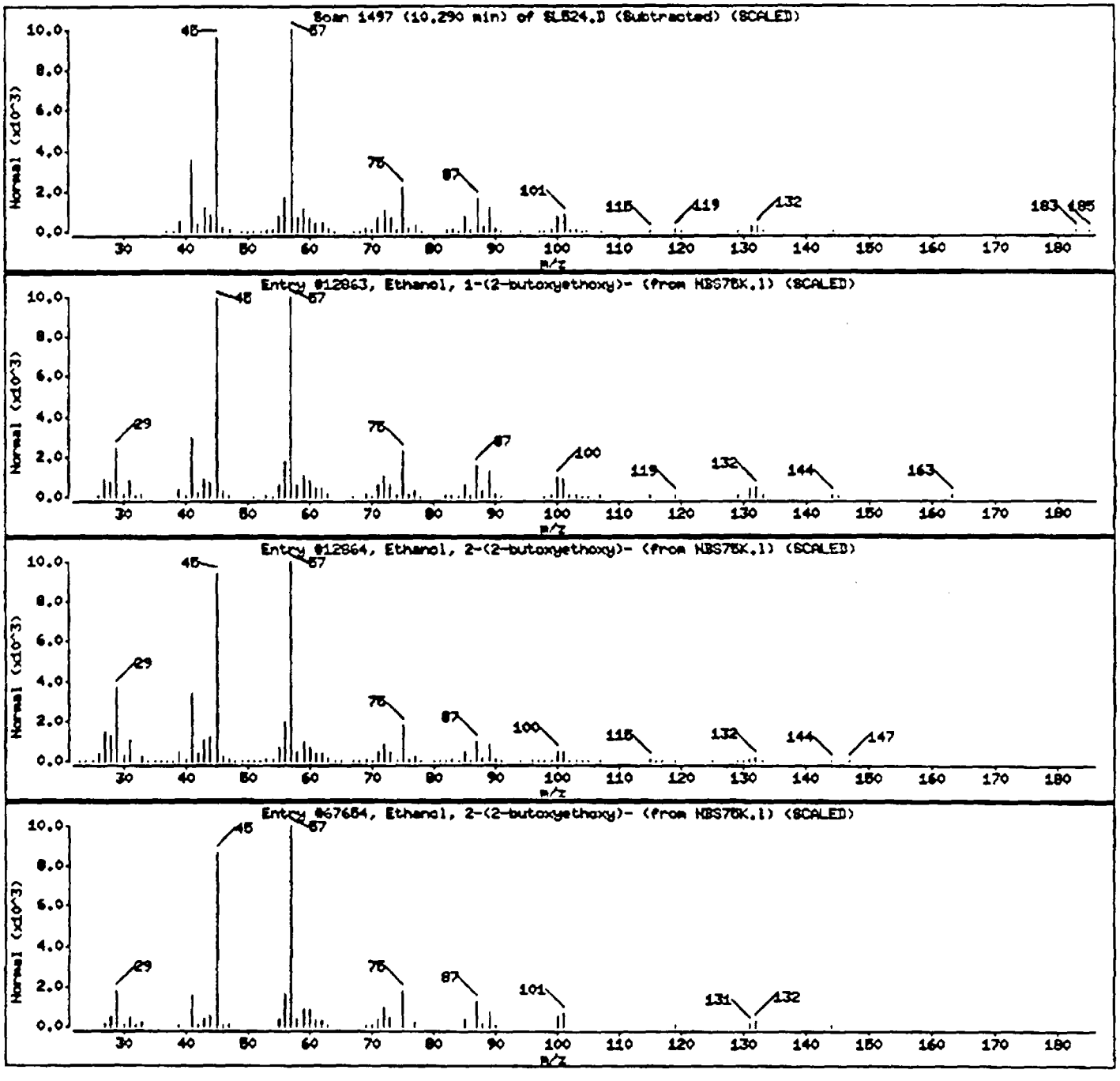
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.1	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	12864	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	67654	83	C8H18O3	162



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL524.D

Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnnl0u,00929a.b,olp31,1-olp90.sub

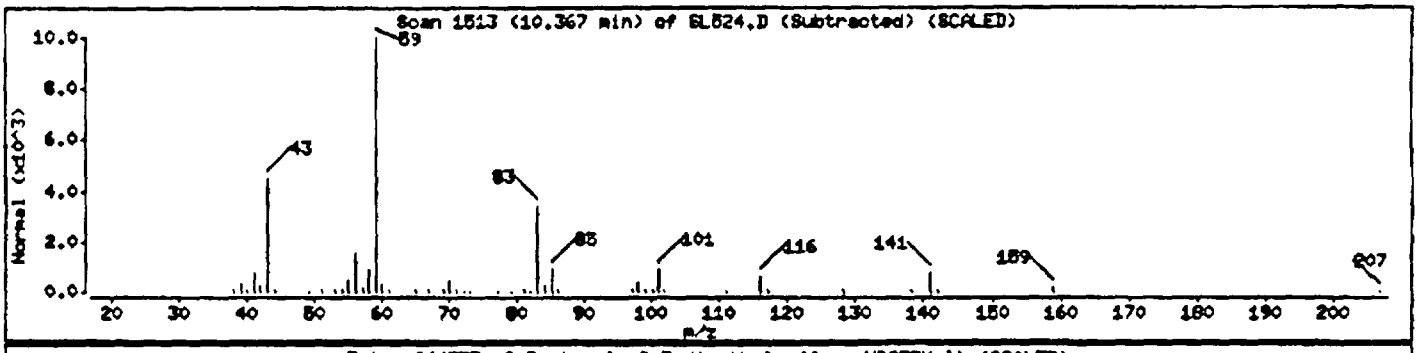
Volume Injected (uL): 2.0

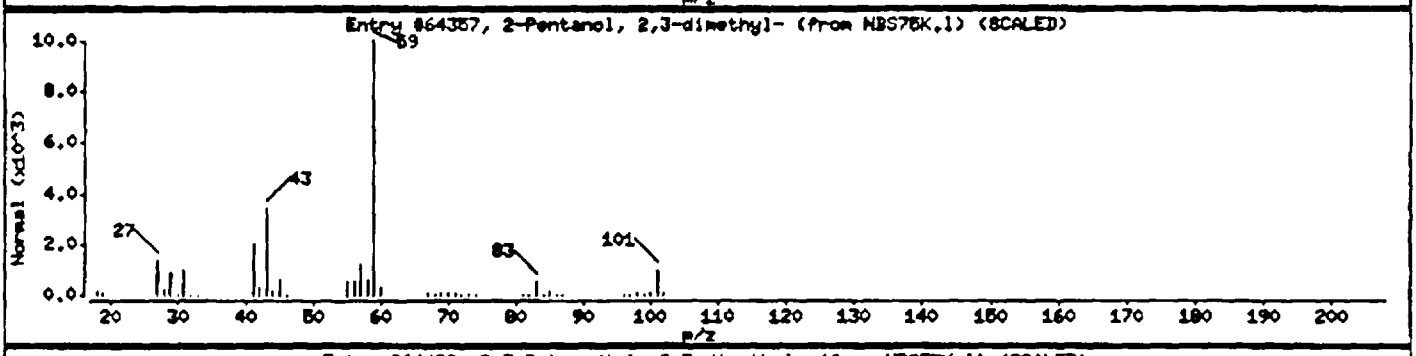
Operator: 001574

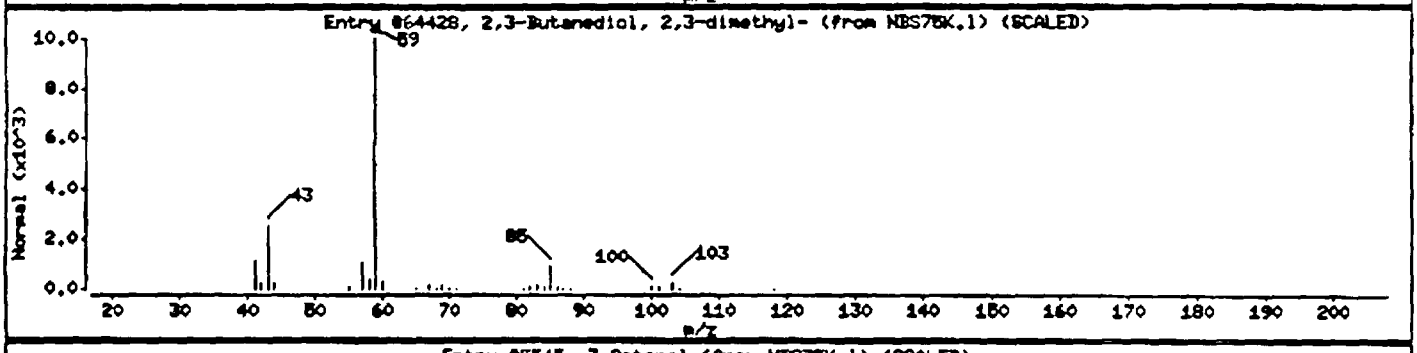
Column phase:

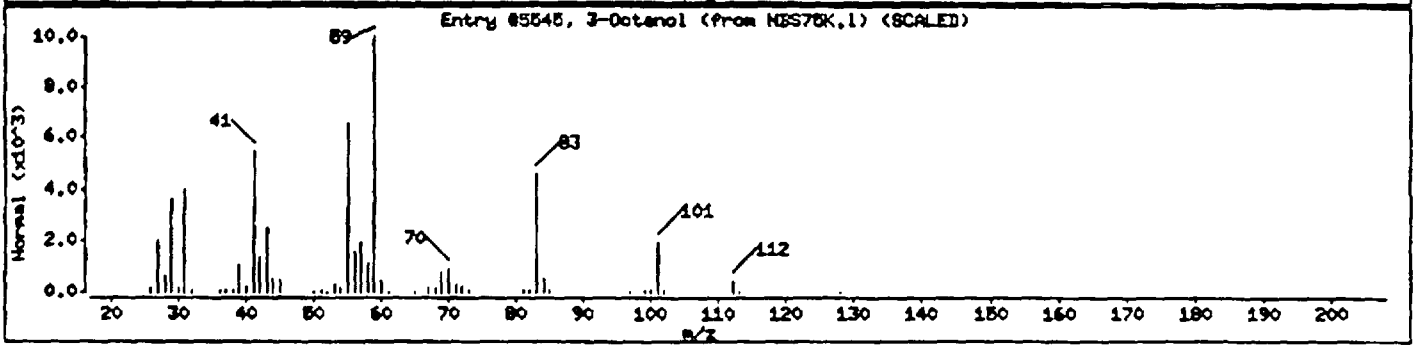
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentanol, 2,3-dimethyl-	4911-70-0	NBS75K.l	64357	42	C7H16O	116
2,3-Butanediol, 2,3-dimethyl-	76-09-5	NBS75K.l	64428	38	C6H14O2	118
3-Octanol	589-98-0	NBS75K.l	5545	38	C8H18O	130









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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnn10u,00929a.b,clp31,1-clp90,sub

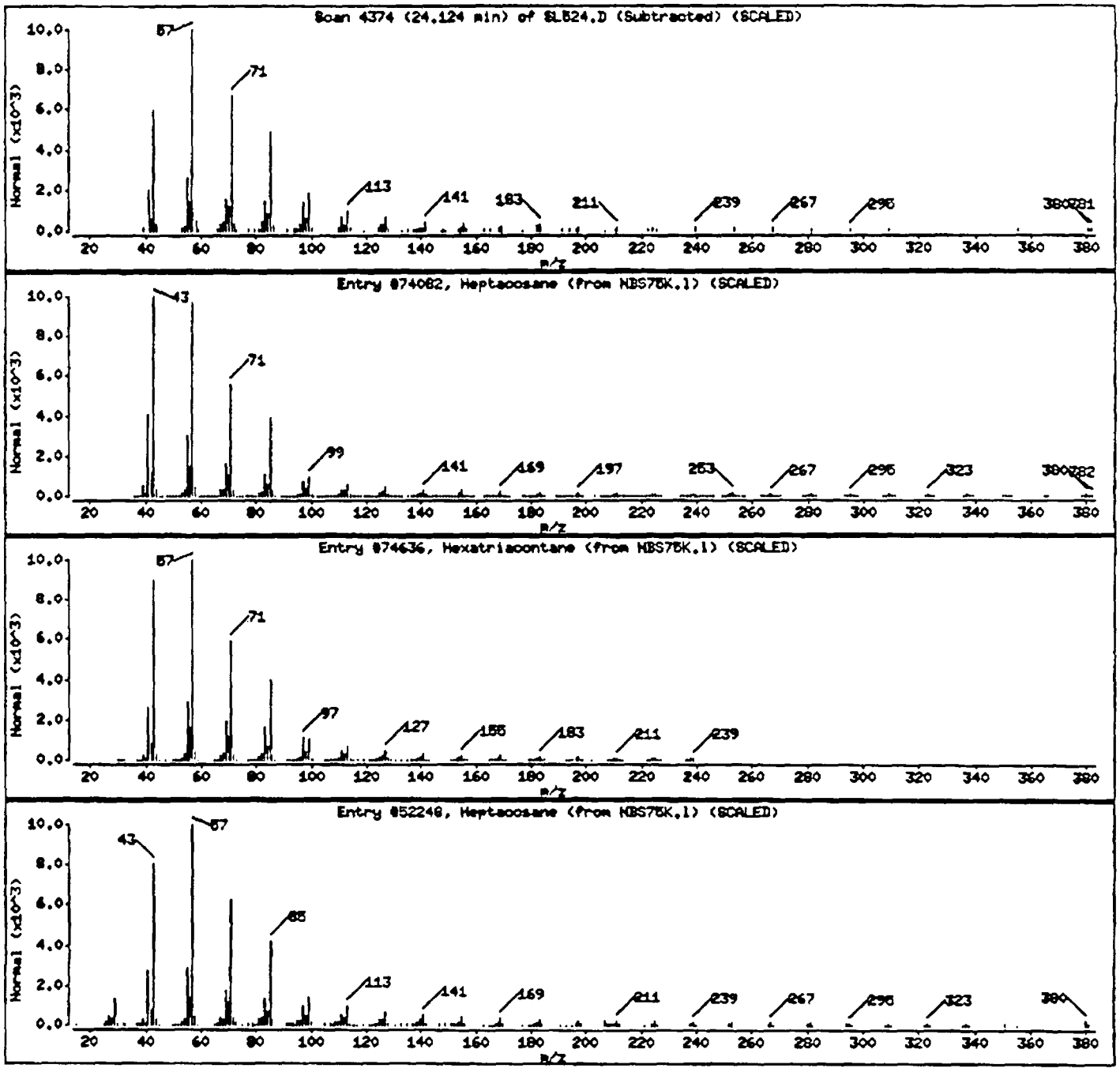
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptacosane	593-49-7	NBS75K.l	74082	95	C27H56	380
Hexatriacontane	630-06-8	NBS75K.l	74636	94	C36H74	507
Heptacosane	593-49-7	NBS75K.l	52248	91	C27H56	380



Data File: \\qcanoh05\dd\ohem\MSS\a4hp8.i\00929a.b\SL524.D

Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnni0u,00929a.b,olp31,1-olp90.sub

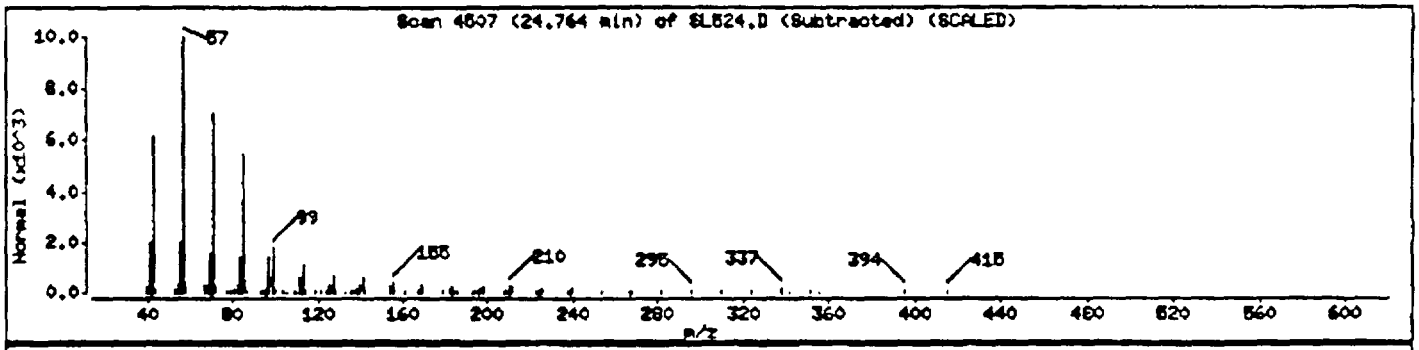
Volume Injected (uL): 2.0

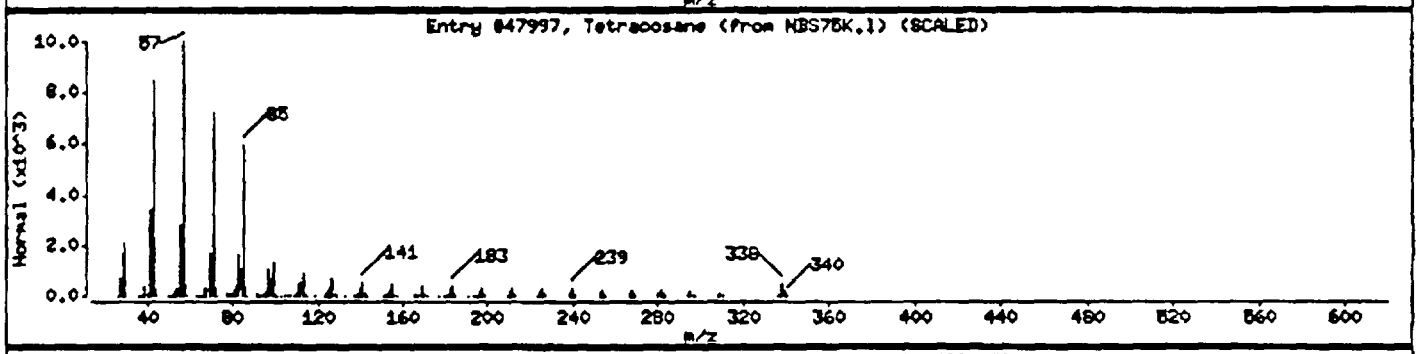
Operator: 001574

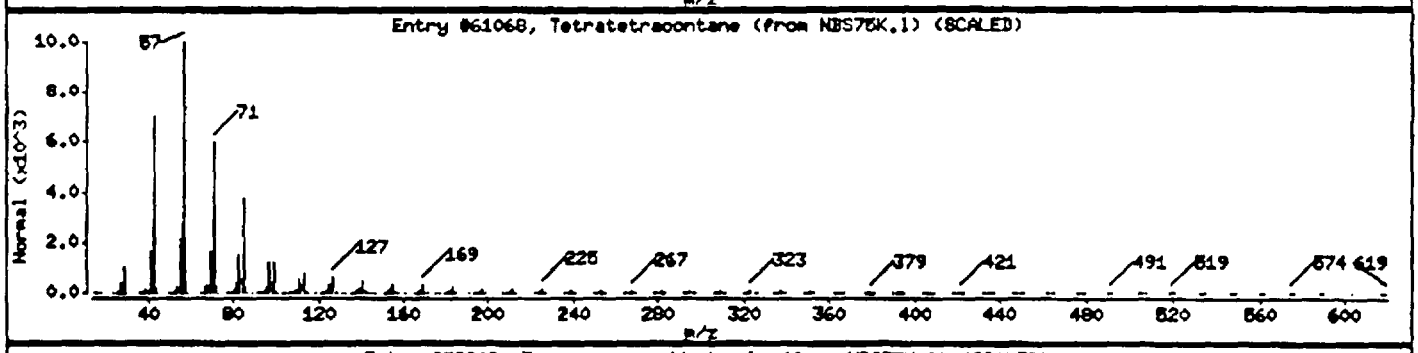
Column phase:

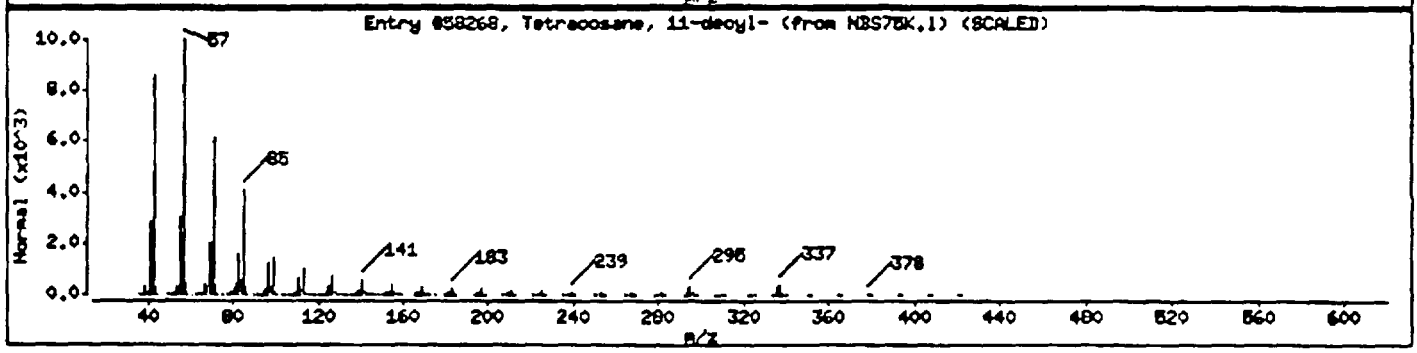
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tetracosane	646-31-1	NBS75K.1	47997	91	C24H50	338
Tetratetracontane	7098-22-8	NBS75K.1	61068	90	C44H90	619
Tetracosane, 11-decyl-	55429-84-0	NBS75K.1	58268	90	C34H70	479









Data File: \\qcanoh05\dd\ohem\MSS\a4hp8.1\00929a.b\SL524.D

Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.1

Sample Info: djrnn10u,00929a,b,olp31,1-olp90,sub

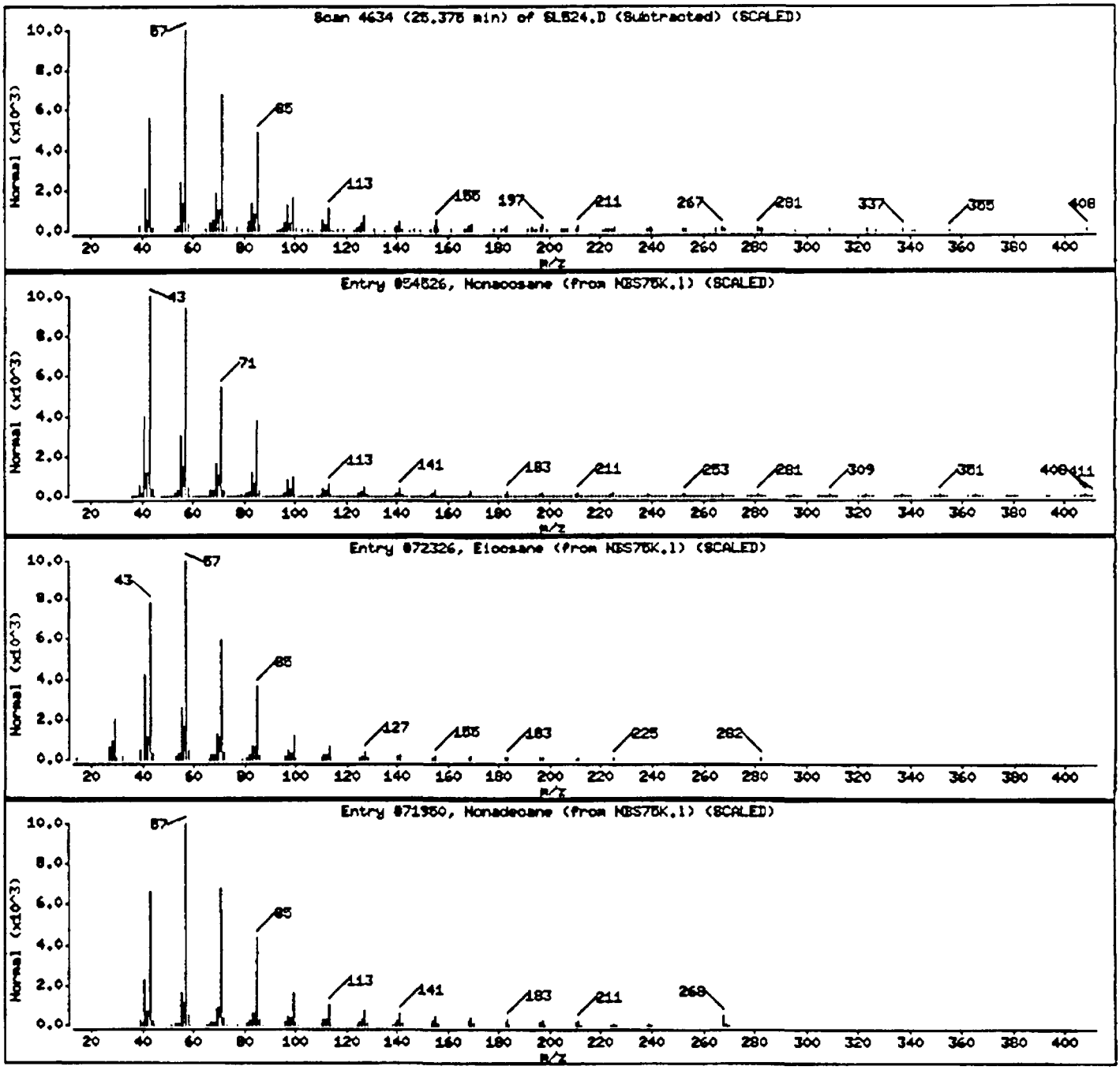
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonacosane	630-03-5	NBS75K.1	54526	96	C29H60	408
Eicosane	112-95-8	NBS75K.1	72326	96	C20H42	282
Nonadecane	629-92-5	NBS75K.1	71950	96	C19H40	268



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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnn10u,00929a.b,clp31,1-clp90.sub

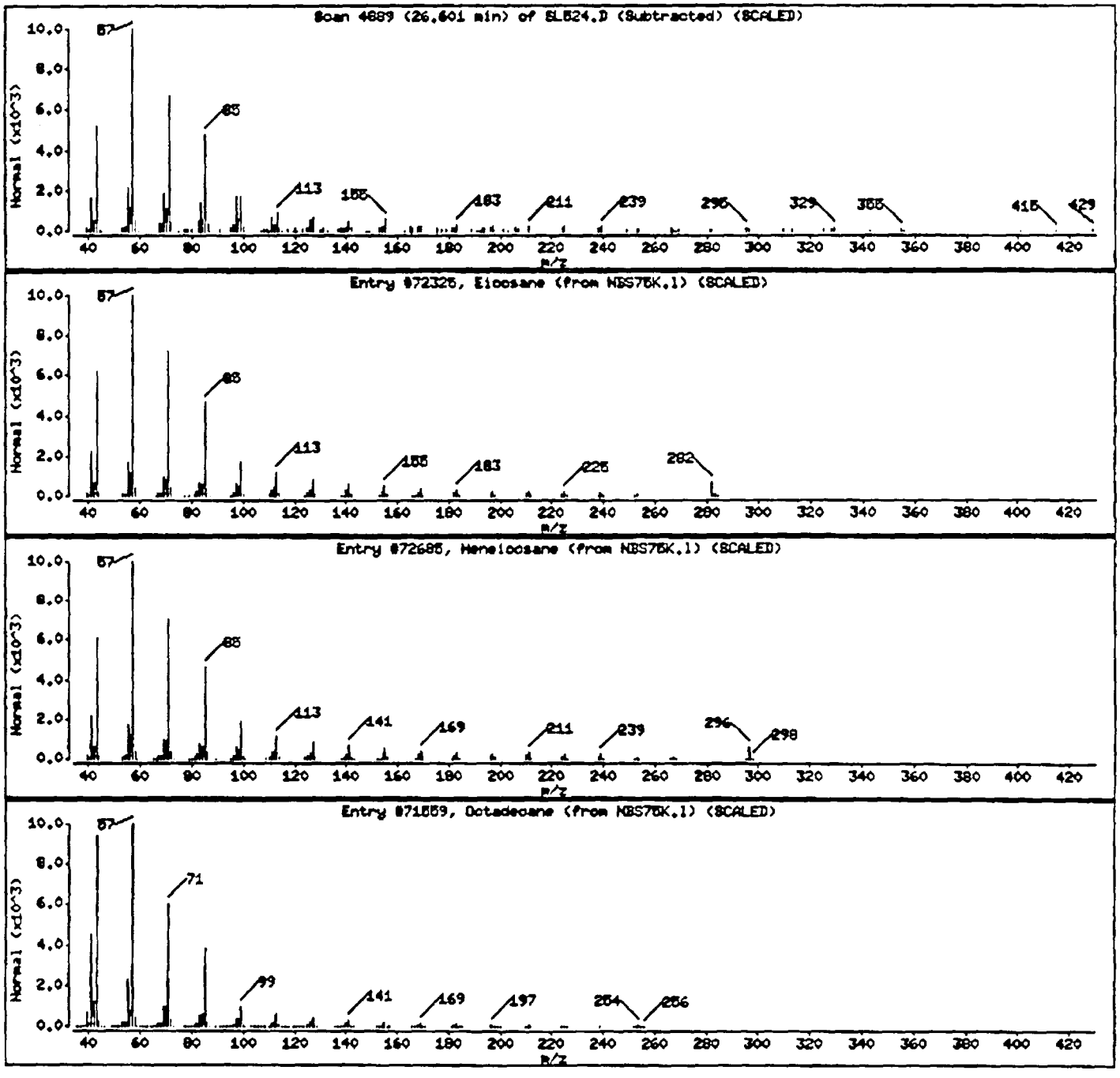
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Eicosane	112-95-8	NBS75K.l	72325	95	C20H42	282
Heneicosane	629-94-7	NBS75K.l	72685	94	C21H44	296
Octadecane	593-45-3	NBS75K.l	71559	93	C18H38	254



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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrmn10u,00929a.b,clp31,1-clp90.sub

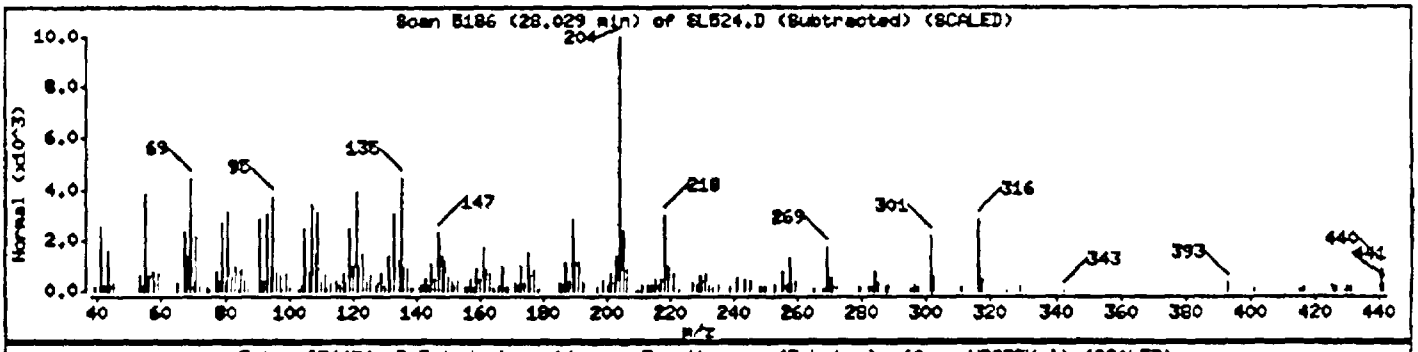
Volume Injected (uL): 2.0

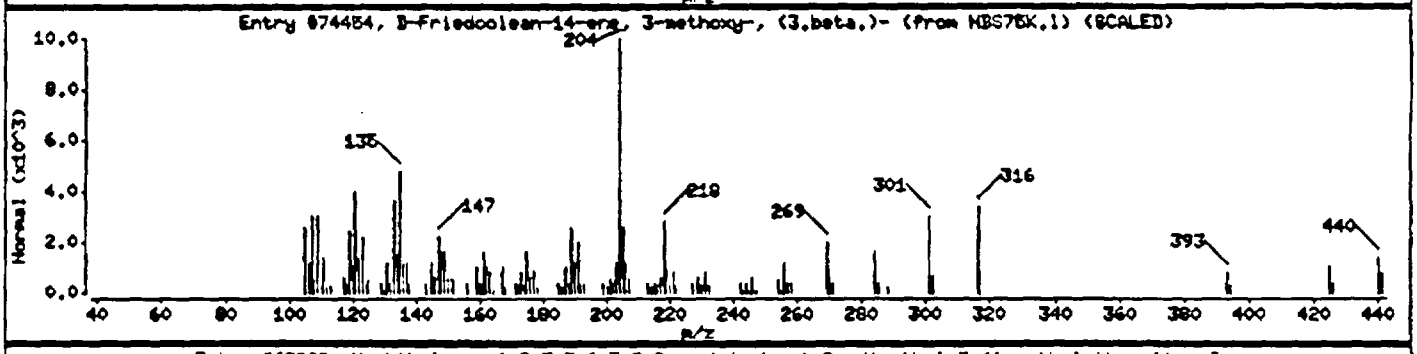
Operator: 001574

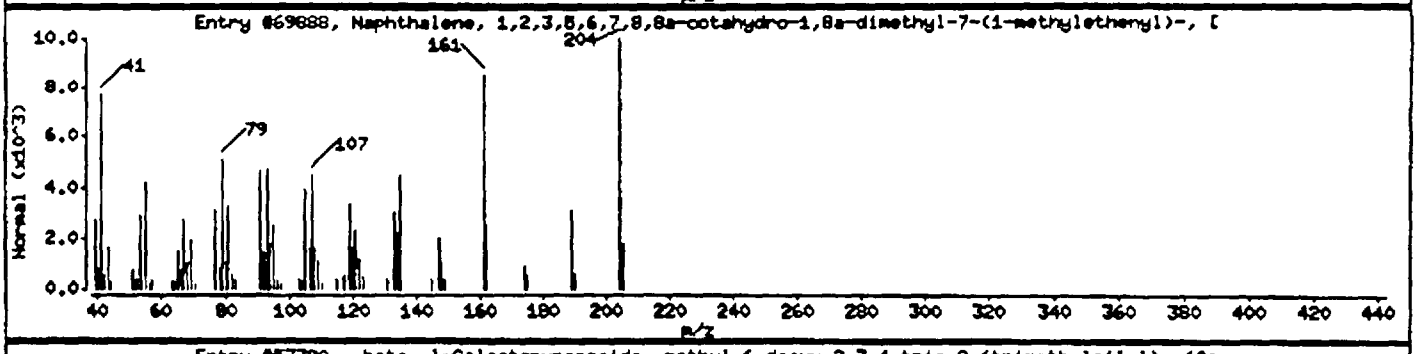
Column phase:

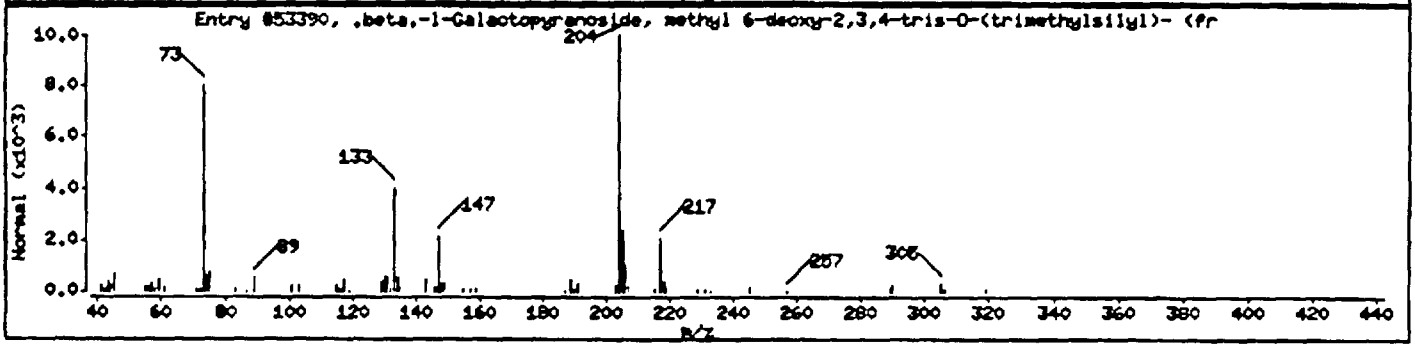
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	NBS75K.l	74454	91	C31H52O	440
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.l	69888	59	C10H24	204
.beta.-l-Galactopyranoside, methyl 6-deo	56271-59-1	NBS75K.l	53390	43	C16H38O5Si3	394









Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL524.D

Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnnl0u,00929a.b,olp31,1-olp90,sub

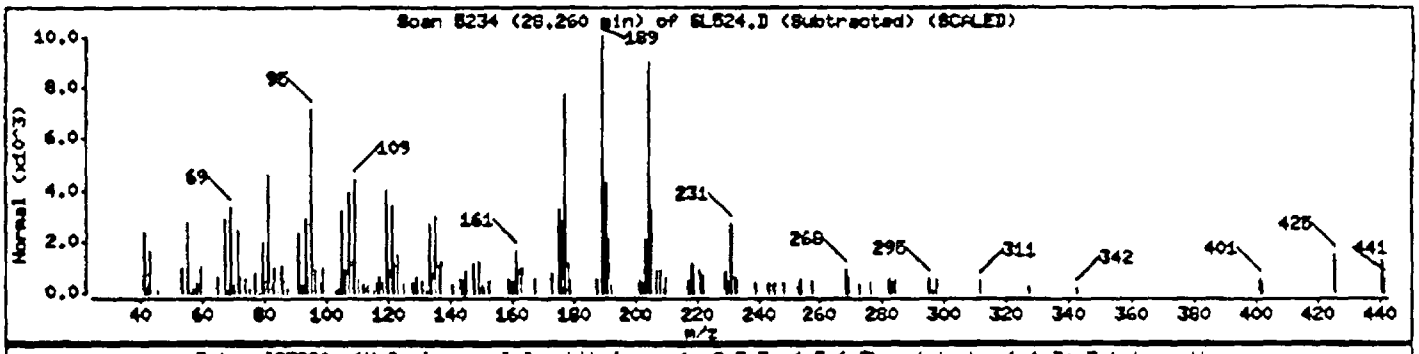
Volume Injected (uL): 2.0

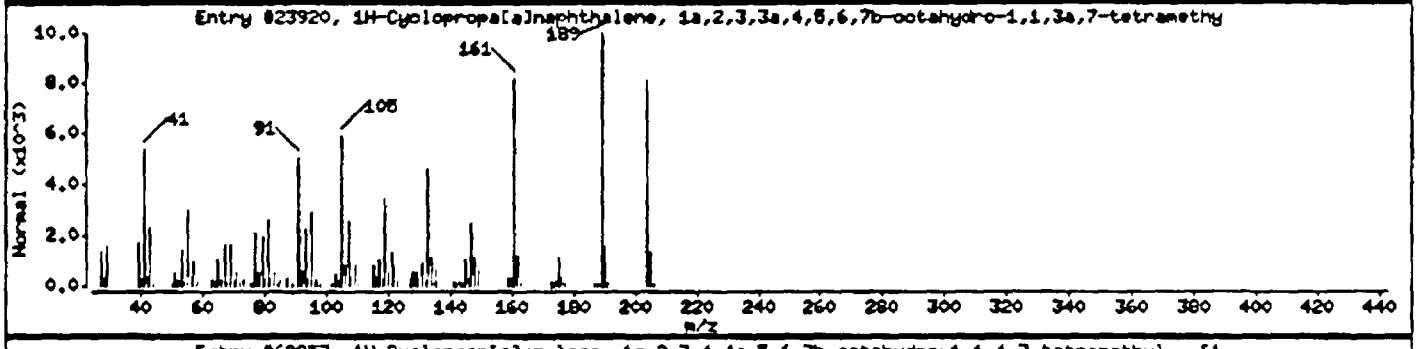
Operator: 001574

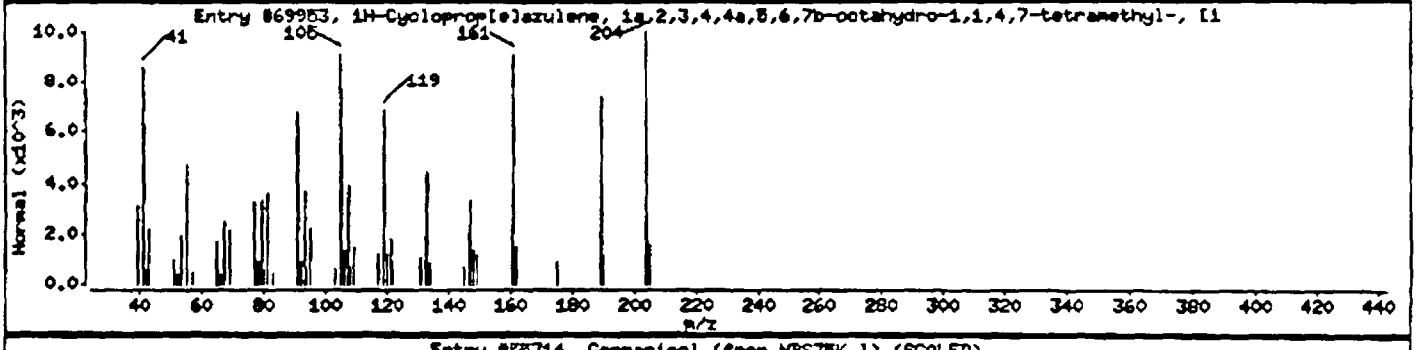
Column phase:

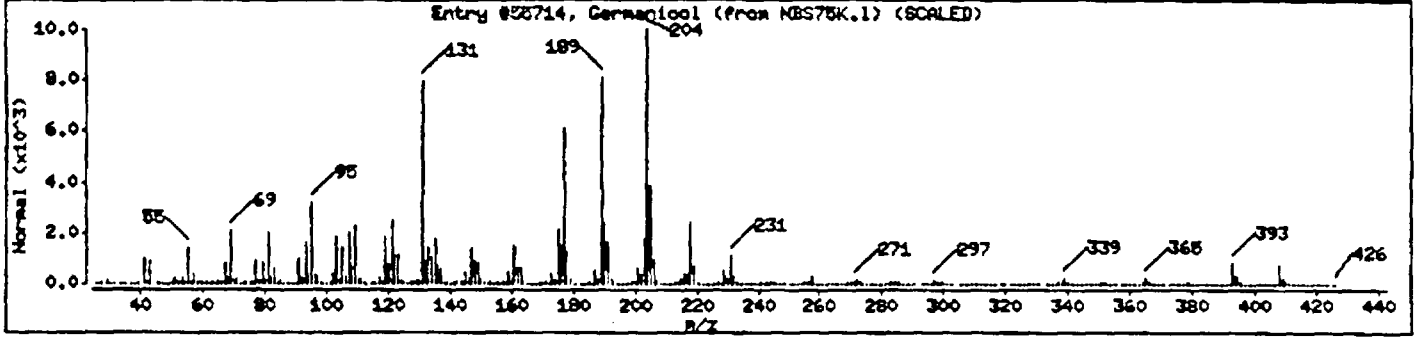
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Cyclopropa[a]naphthalene, 1a,2,3,3a,4	489-29-2	NBS75K.l	23920	49	C15H24	204
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69953	45	C15H24	204
Germanicol	465-02-1	NBS75K.l	55714	37	C30H50O	426









RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.08 / g Date Received: 09/01/00
Work Order: DJRNQ10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0249298

Client Sample Id: SL53-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl) ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitrosodi-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.08 / g Date Received: 09/01/00
Work Order: DJRNQ10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0249298

Client Sample Id: SL53-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethyl phthalate	480	U
7005-72-3	4-Chlorophenyl phenyl ether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine	480	U
101-55-3	4-Bromophenyl phenyl ether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	730	
120-12-7	Anthracene	70	J
86-74-8	Carbazole	480	U
84-74-2	Di-n-butyl phthalate	480	U
206-44-0	Fluoranthene	970	
129-00-0	Pyrene	520	
85-68-7	Butyl benzyl phthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	450	J
218-01-9	Chrysene	520	

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.08 / g Date Received: 09/01/00
Work Order: DJRNQ10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0249298

Client Sample Id: SL53-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	61	J
117-84-0	Di-n-octyl phthalate	480	U
205-99-2	Benzo(b)fluoranthene	420	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	79	J
193-39-5	Indeno(1,2,3-cd)pyrene	74	J
53-70-3	Dibenz(a,h)anthracene	49	J
191-24-2	Benzo(ghi)perylene	480	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:I01248

Matrix: (soil/water) SO Lab Sample ID:A0I010248 007
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

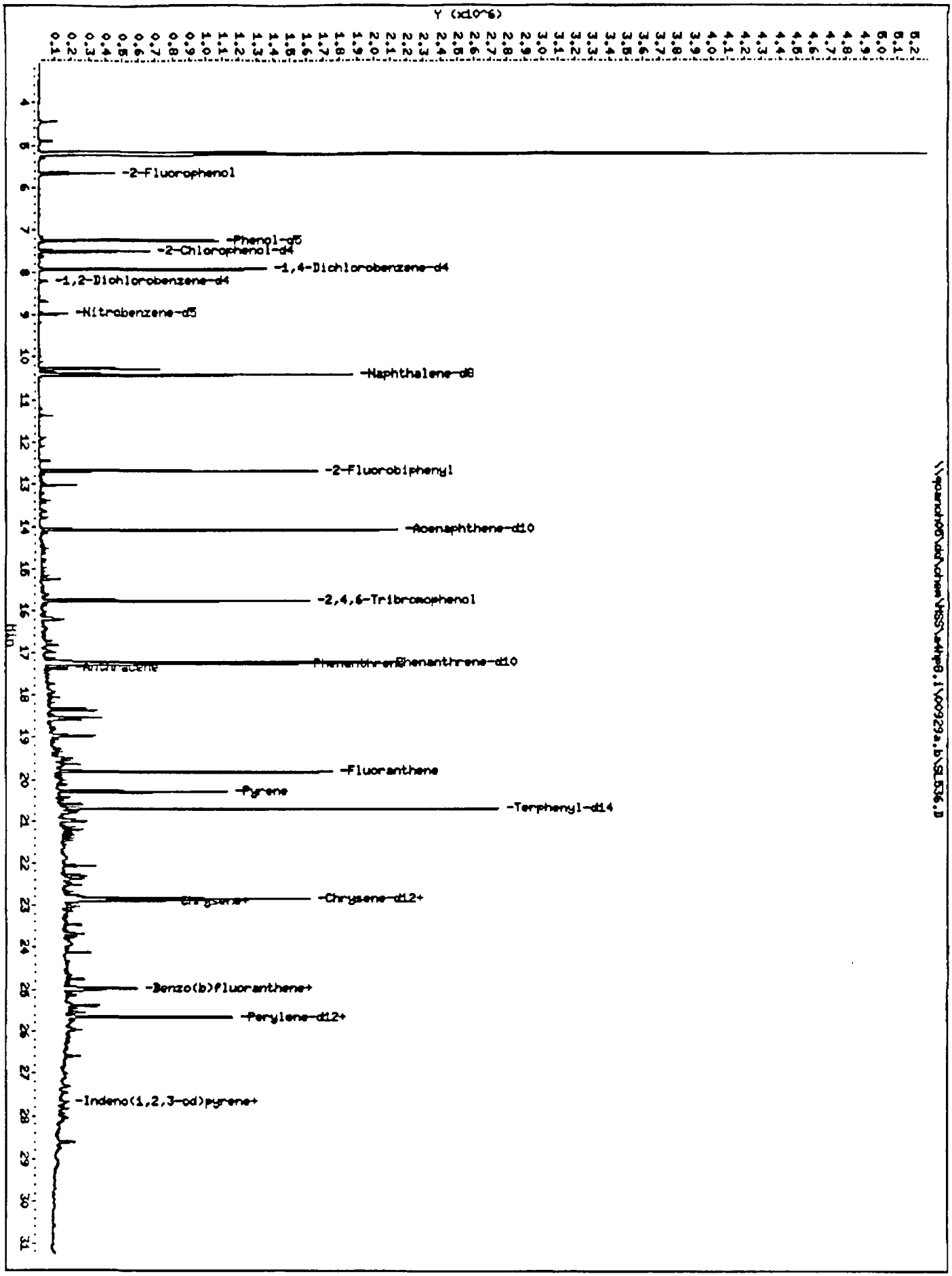
Sample WT/Vol: 30.08 / g Date Received: 09/01/00
Work Order: DJRNQ10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0249298

Client Sample Id: SL53-6"

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.2236	5800	JA
	Unknown	10.287	360	J
	Unknown	13.023	100	J
	Unknown Hydrocarbon	16.202	130	J
	Unknown PAH	18.313	110	J
	Unknown PAH	18.366	140	J
	Unknown	18.534	160	J
	Unknown PAH	18.587	99	J
	Unknown PAH	18.967	220	J
	Unknown PAH	19.496	97	J
	Unknown	19.635	160	J
	Unknown	22.073	110	J
	Unknown Hydrocarbon	24.766	110	J
	Unknown PAH	25.146	110	J
	Unknown Hydrocarbon	25.382	290	J
	Unknown Hydrocarbon	25.968	160	J
	Unknown Hydrocarbon	27.31	110	J
	Unknown PAH	28.036	200	J
	Unknown	28.608	170	J


Y (x10^6)
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Anthracene
-Phenanthrene
-Phenanthrene-d10
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Chrysene+
-Chrysene-d12+
-Benzo(b)fluoranthene+
-Perylene-d12+
-Indeno(1,2,3-cd)pyrene+
Min

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D
Lab Smp Id: DJRNQ10U Client Smp ID: SL53-6"
Inj Date : 30-SEP-2000 00:54
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnq10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.080	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	7.935	7.940	(1.000)	325585	40.0000	
* 2 Naphthalene-d8	136	10.417	10.426	(1.000)	1315962	40.0000	
* 3 Acenaphthene-d10	164	14.081	14.095	(1.000)	783689	40.0000	
* 4 Phenanthrene-d10	188	17.231	17.240	(1.000)	1276331	40.0000	
* 5 Chrysene-d12	240	22.857	22.866	(1.000)	795291	40.0000	
* 6 Perylene-d12	264	25.661	25.665	(1.000)	618080	40.0000	
7 Phenol	94	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
9 2-Chlorophenol	128	Compound Not Detected.					
10 1,3-Dichlorobenzene	146	Compound Not Detected.					
11 1,4-Dichlorobenzene	146	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

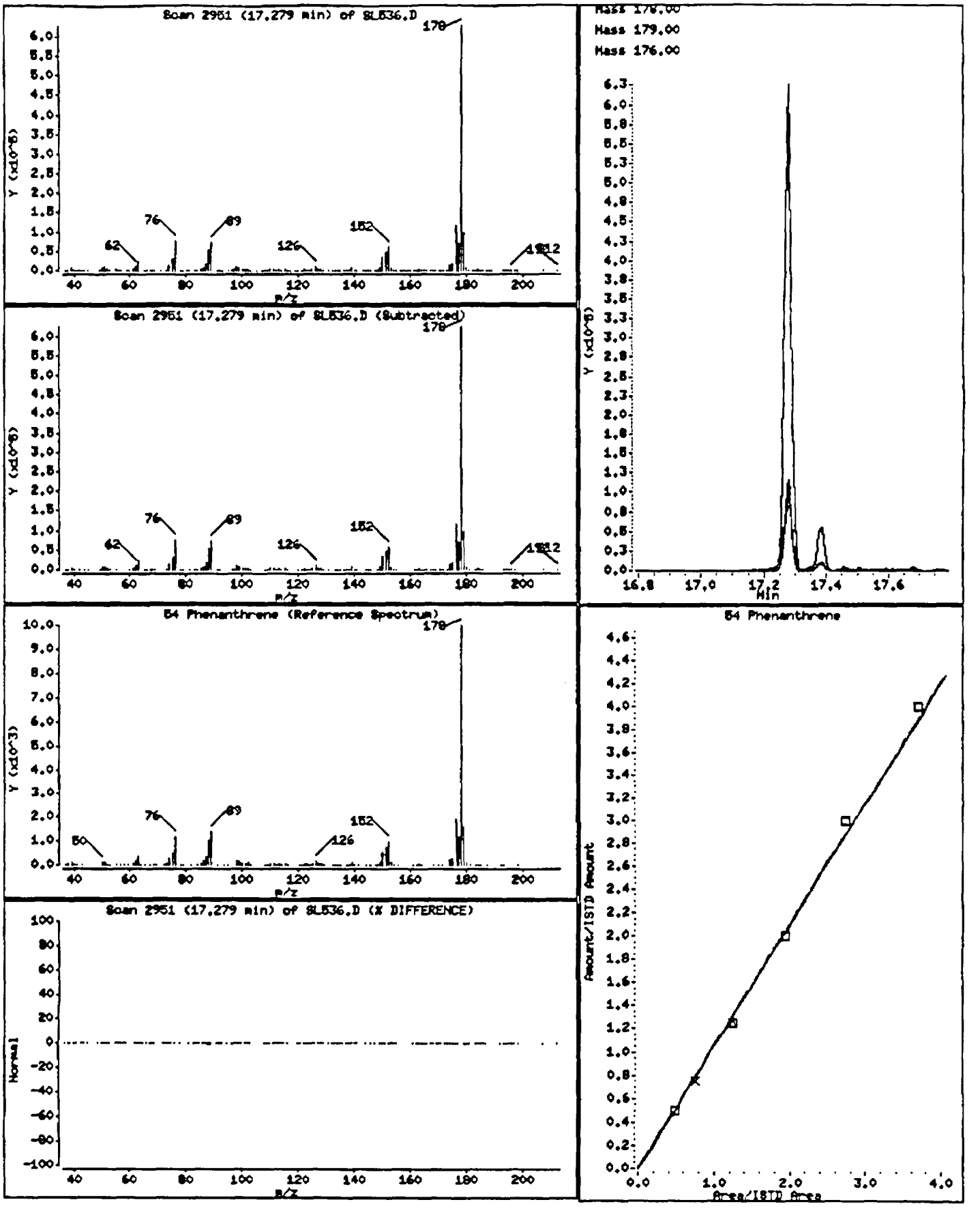
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobenzene	77	Compound Not Detected.					
19 Isophorone	82	Compound Not Detected.					
20 2-Nitrophenol	139	Compound Not Detected.					
21 2,4-Dimethylphenol	107	Compound Not Detected.					
22 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
23 2,4-Dichlorophenol	162	Compound Not Detected.					
24 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
25 Naphthalene	128	Compound Not Detected.					
26 4-Chloroaniline	127	Compound Not Detected.					
27 Hexachlorobutadiene	225	Compound Not Detected.					
28 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
29 2-Methylnaphthalene	142	Compound Not Detected.					
30 Hexachlorocyclopentadiene	237	Compound Not Detected.					
31 2,4,6-Trichlorophenol	196	Compound Not Detected.					
32 2,4,5-Trichlorophenol	196	Compound Not Detected.					
33 2-Chloronaphthalene	162	Compound Not Detected.					
34 2-Nitroaniline	65	Compound Not Detected.					
35 Dimethylphthalate	163	Compound Not Detected.					
36 Acenaphthylene	152	Compound Not Detected.					
37 2,6-Dinitrotoluene	165	Compound Not Detected.					
38 3-Nitroaniline	138	Compound Not Detected.					
39 Acenaphthene	153	Compound Not Detected.					
40 2,4-Dinitrophenol	184	Compound Not Detected.					
41 4-Nitrophenol	109	Compound Not Detected.					
42 Dibenzofuran	168	Compound Not Detected.					
43 2,4-Dinitrotoluene	165	Compound Not Detected.					
44 Diethylphthalate	149	Compound Not Detected.					
45 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
46 Fluorene	166	Compound Not Detected.					
47 4-Nitroaniline	138	Compound Not Detected.					
48 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
49 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
50 4-Bromophenyl-phenylether	248	Compound Not Detected.					
51 Hexachlorobenzene	284	Compound Not Detected.					
53 Pentachlorophenol	266	Compound Not Detected.					
54 Phenanthrene	178	17.279	17.293	(1.003)	963786	30.2836	500
55 Anthracene	178	17.380	17.399	(1.009)	87992	2.85988	48(a)
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.808	19.813	(1.150)	1232340	40.2266	670
59 Pyrene	202	20.275	20.289	(0.887)	614952	21.9397	360
60 Butylbenzylphthalate	149	Compound Not Detected.					
61 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	22.833	22.842	(0.999)	404980	18.7971	310(aH)
63 Chrysene	228	22.910	22.919	(1.002)	448140	21.6222	360
64 bis(2-ethylhexyl)Phthalate	149	23.035	23.039	(1.008)	38469	2.53868	42(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.968	24.977	(0.973)	376254	17.2686	290(a)
67 Benzo(k)fluoranthene	252	25.011	25.030	(0.975)	152634	7.03113	120(aH)
68 Benzo(a)pyrene	252	25.550	25.564	(0.996)	62923	3.26532	54(a)
69 Indeno(1,2,3-cd)pyrene	276	27.685	27.704	(1.079)	52733	3.05959	51(a)
70 Dibenz(a,h)anthracene	278	27.728	27.757	(1.081)	34888	2.06811	34(a)
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.979	8.998	(0.862)	91788	6.83715	110(aR)
$ 73 2-Fluorobiphenyl	172	12.686	12.696	(0.901)	794251	37.3521	620
$ 74 Terphenyl-d14	244	20.683	20.683	(0.905)	1646831	85.2805	1400
$ 75 Phenol-d5	99	7.248	7.262	(0.913)	613352	42.1778	700
$ 76 2-Fluorophenol	112	5.670	5.670	(0.715)	211328	19.5940	320(aR)
$ 77 2,4,6-Tribromophenol	330	15.754	15.764	(0.914)	296805	101.959	1700(Q)
$ 78 2-Chlorophenol-d4	132	7.507	7.517	(0.946)	268735	28.1976	470(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.214	8.223	(1.035)	12039	1.85546	31(a)

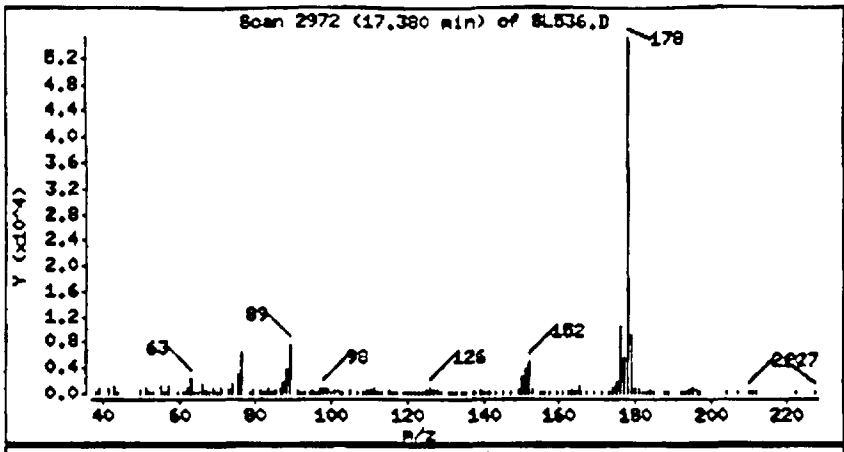
QC Flag Legend

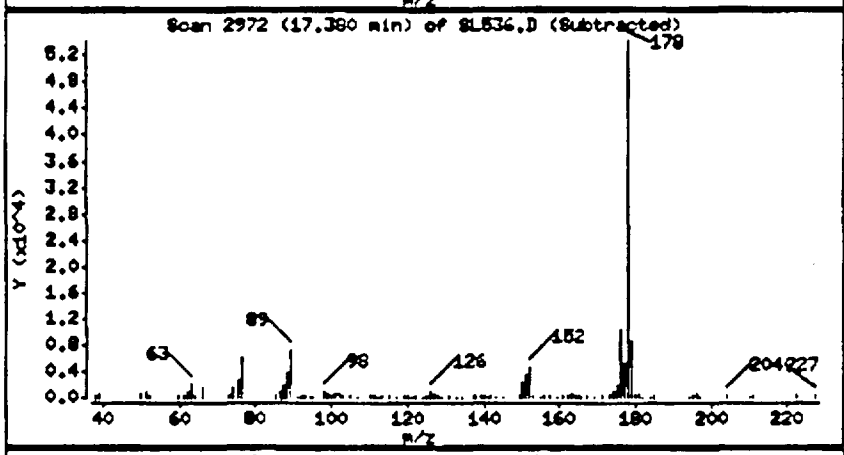
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

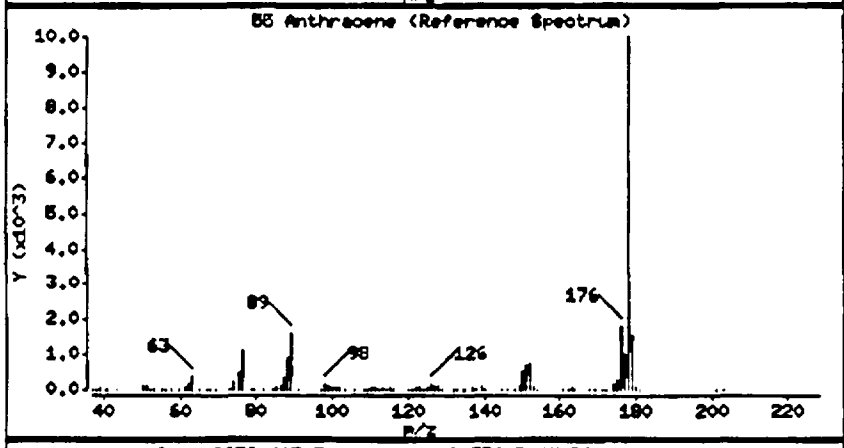
54 Phenanthrene

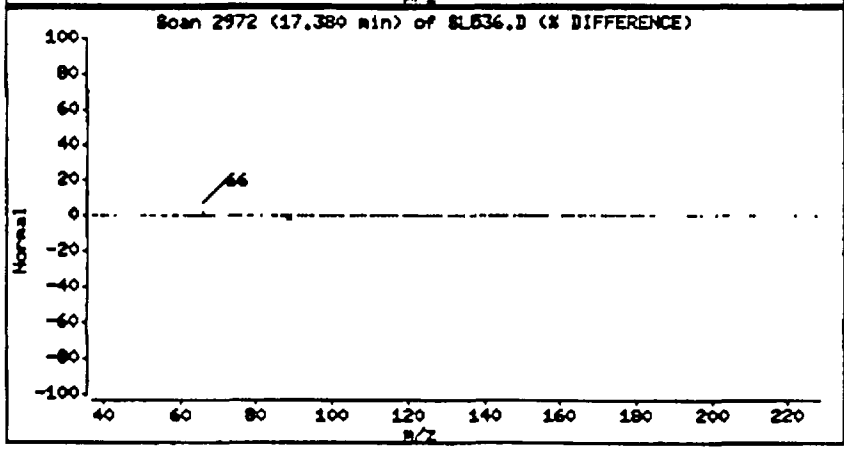


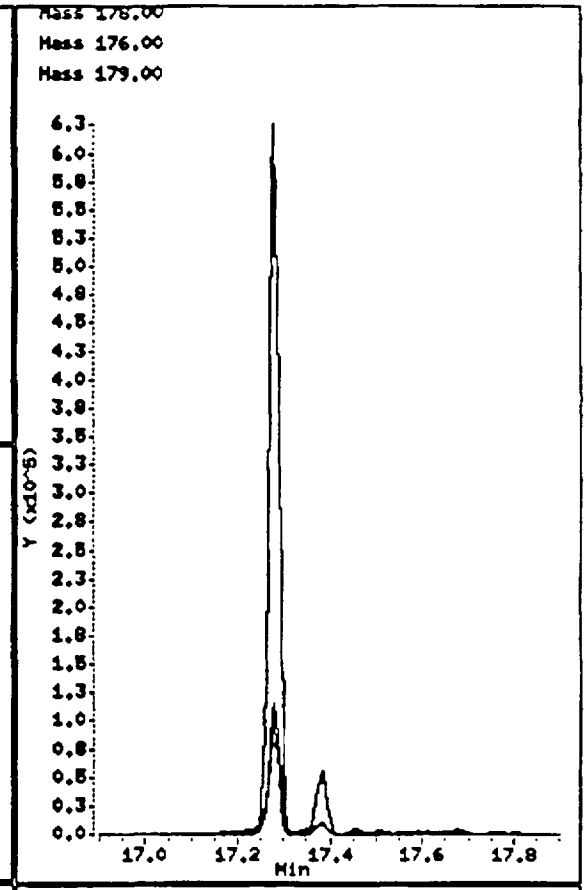
55 Anthracene

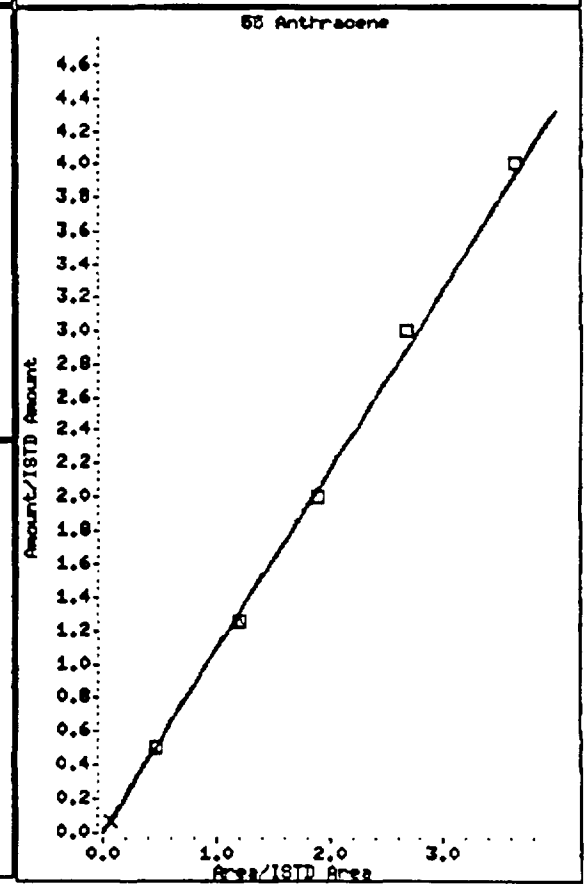




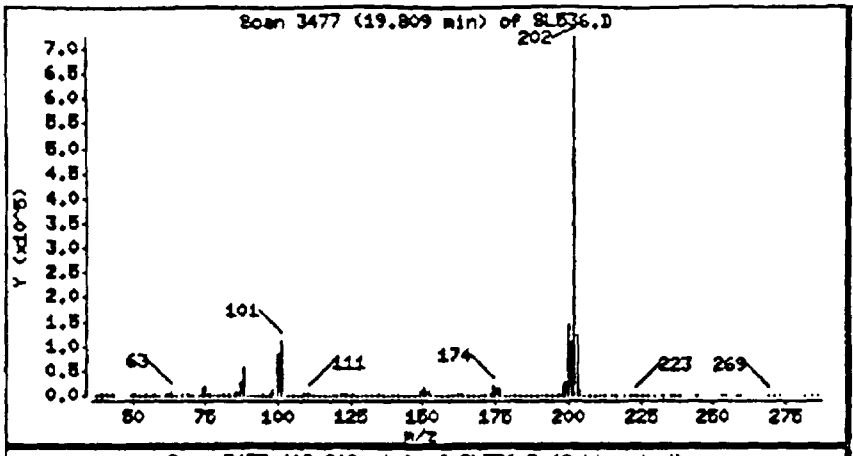


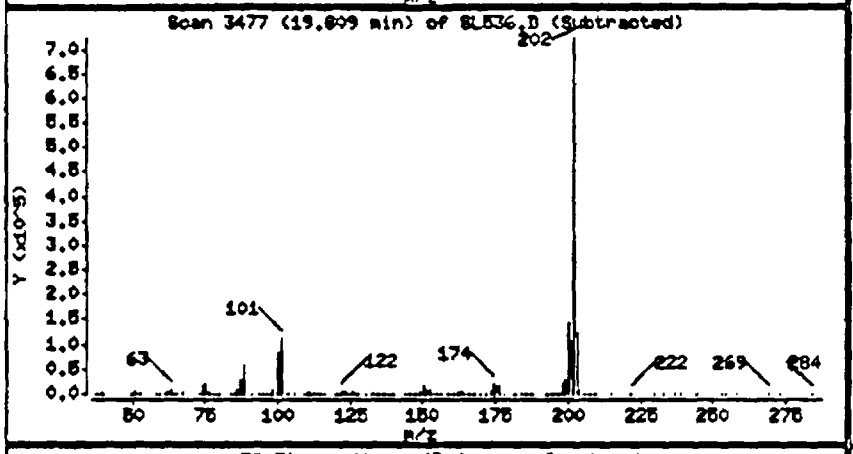


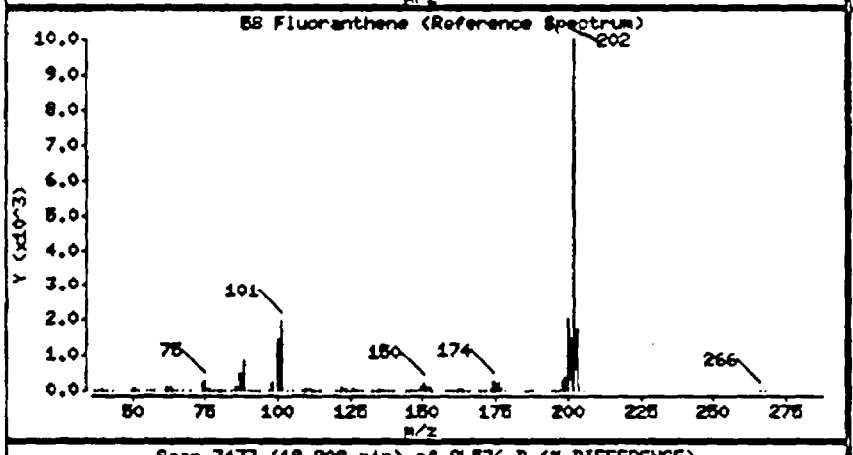


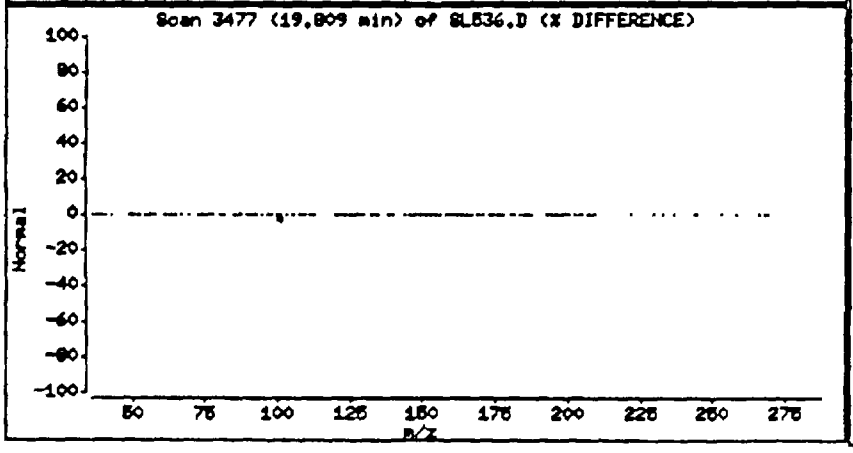


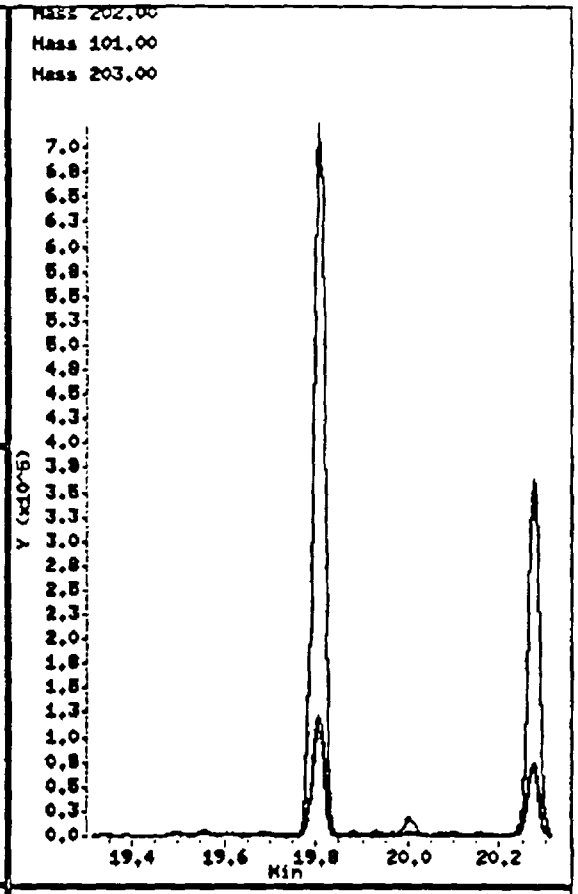
58 Fluoranthene

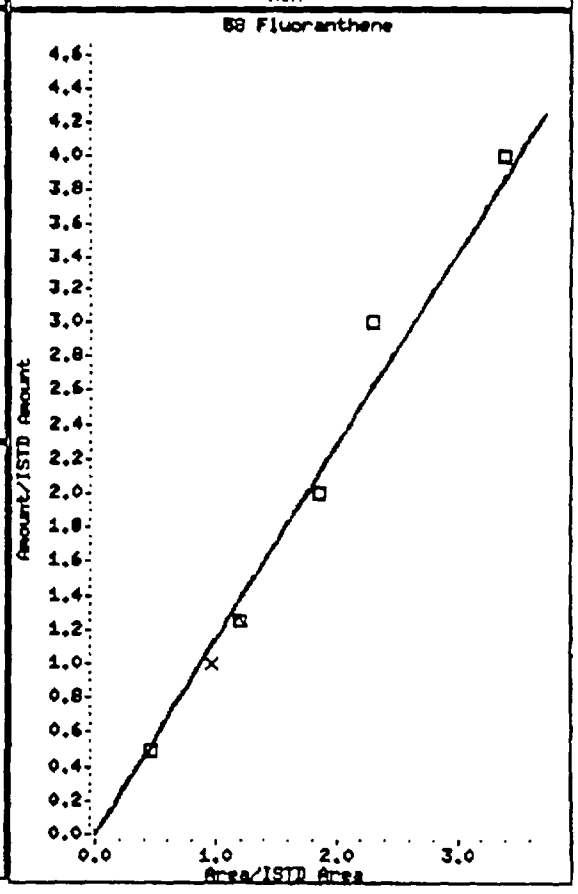




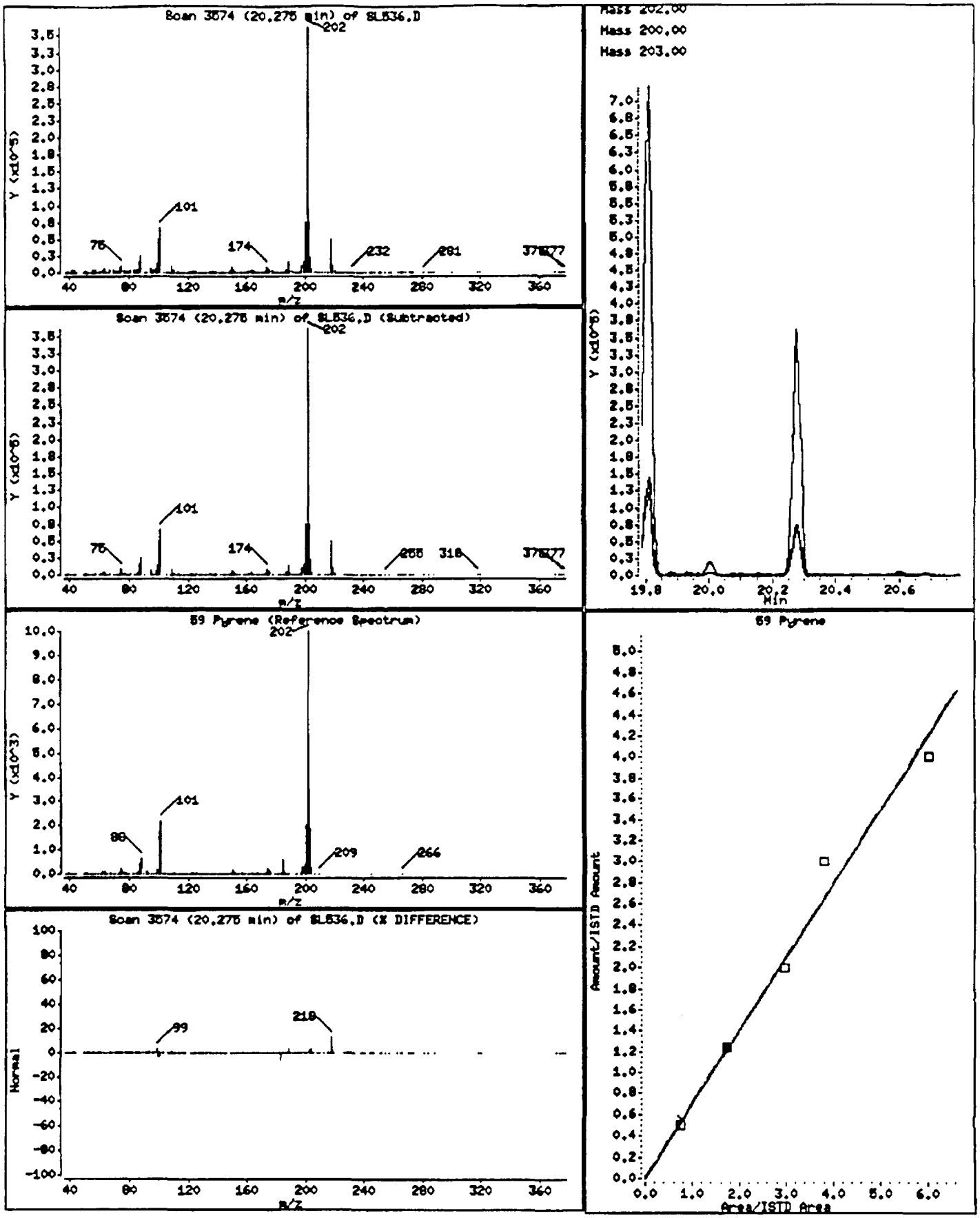




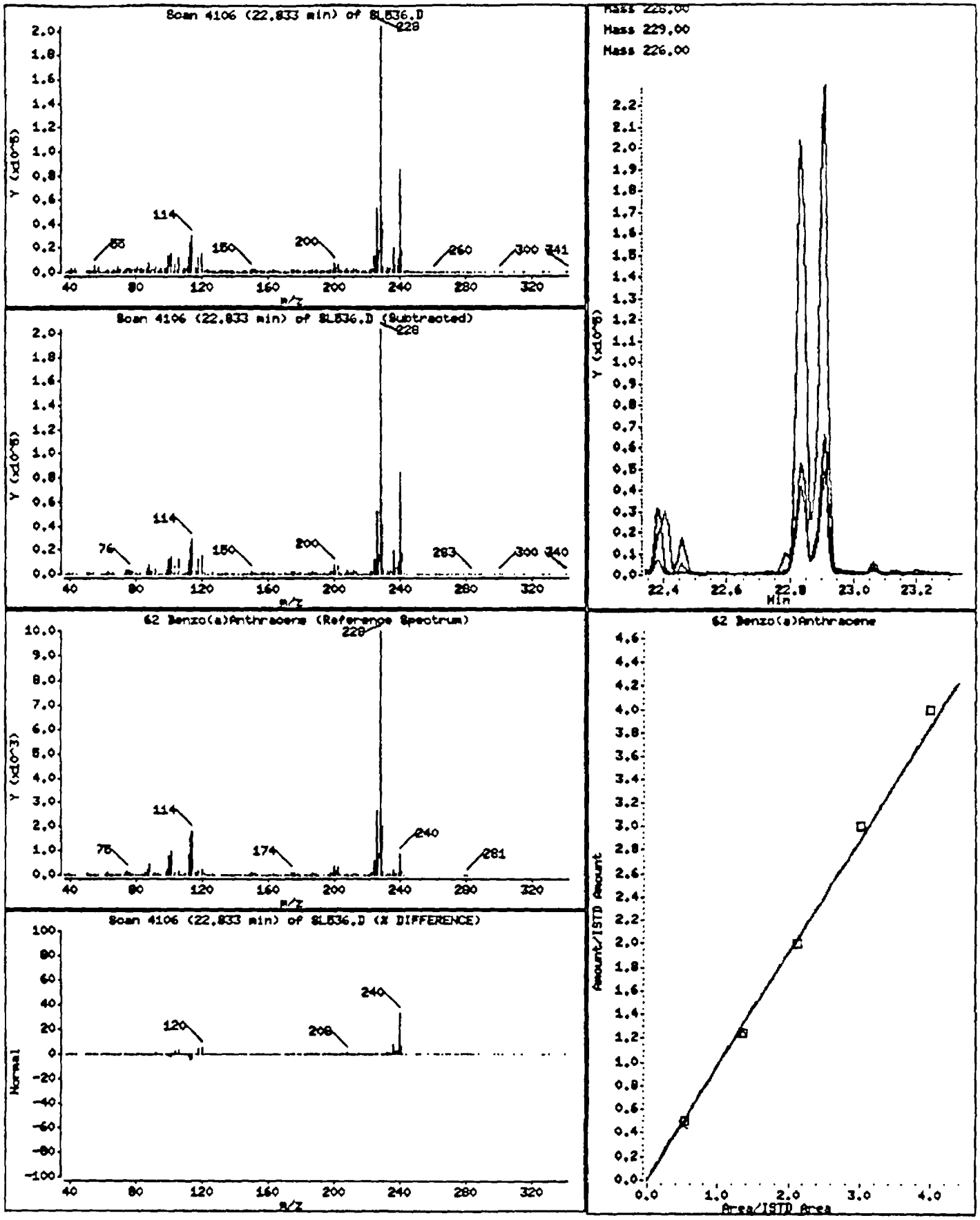




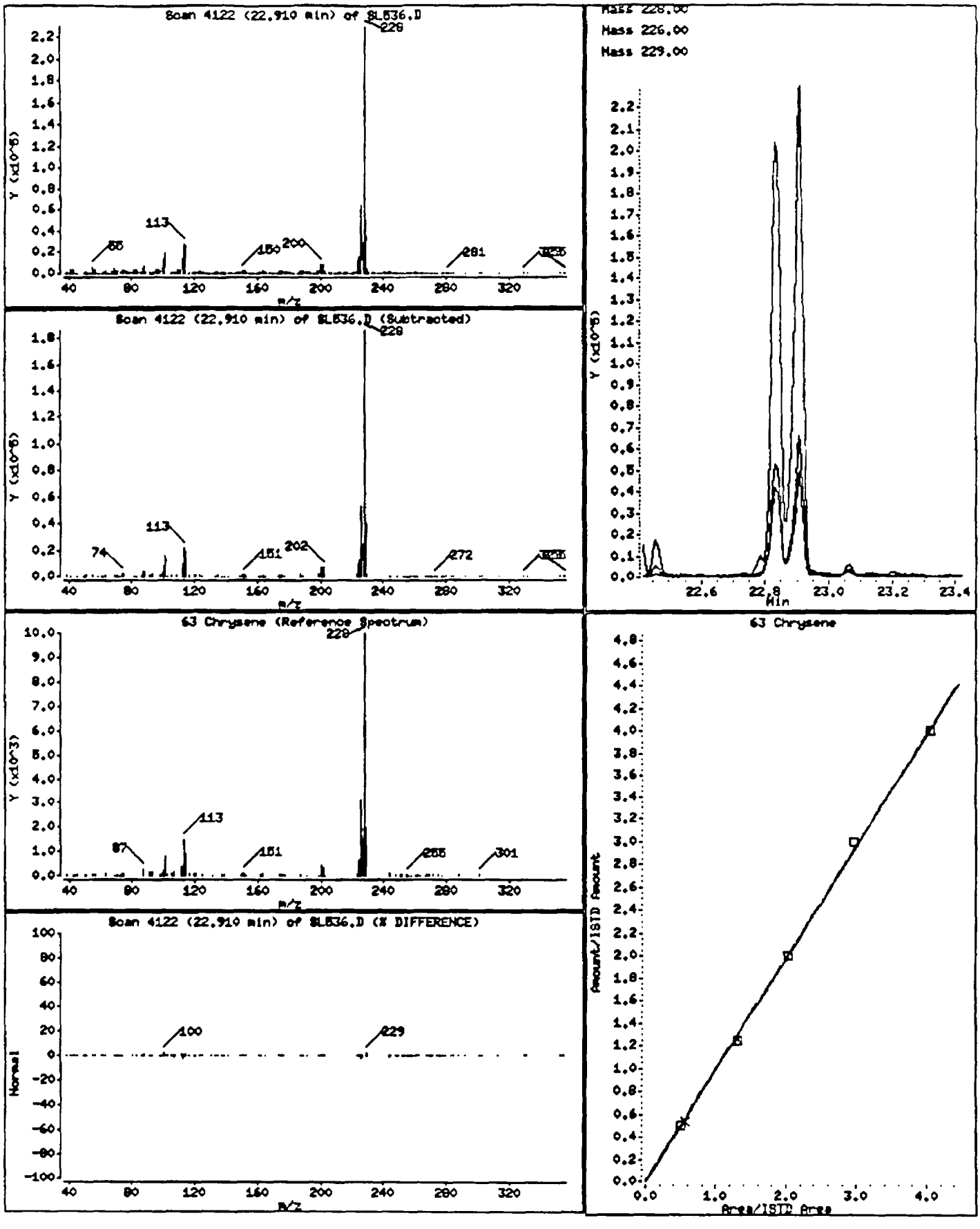
59 Pyrene


Scan 3574 (20.275 min) of SL536.D
202
101
75
174
232
281
Y (x10^5)
m/Z
Scan 3574 (20.275 min) of SL536.D (Subtracted)
202
101
75
174
255
318
Y (x10^5)
m/Z
59 Pyrene (Reference Spectrum)
202
101
88
209
266
Y (x10^3)
m/Z
Scan 3574 (20.275 min) of SL536.D (% DIFFERENCE)
99
218
Normal
m/Z
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^5)
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

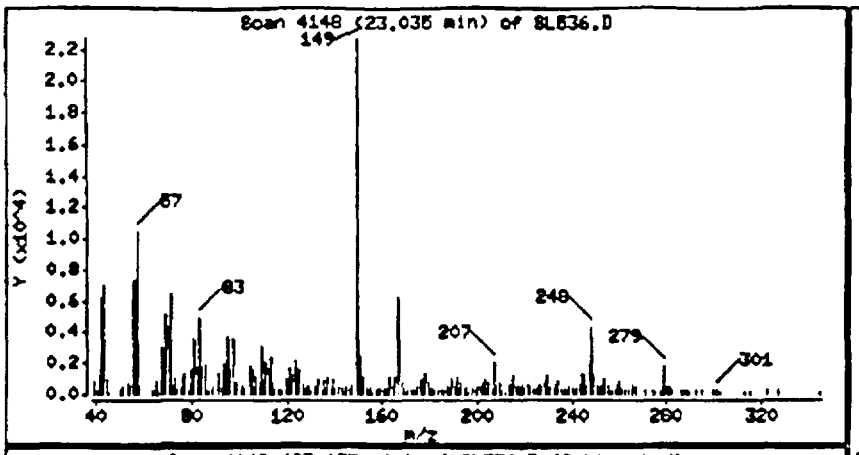
62 Benzo(a)Anthracene

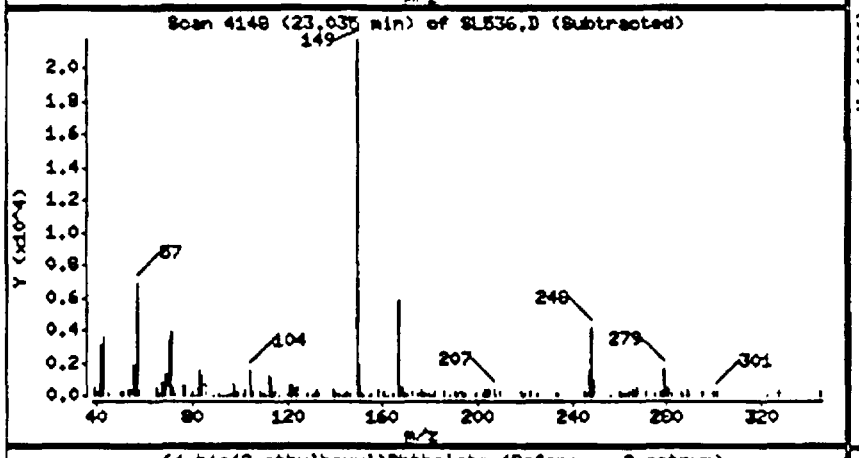


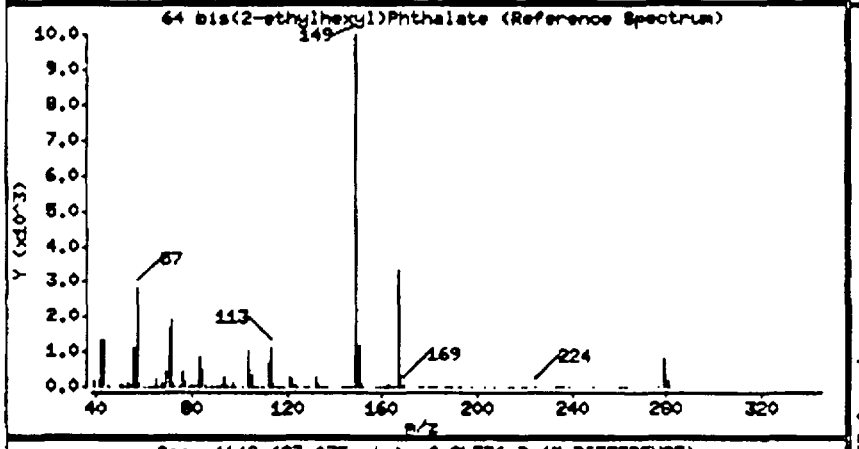
63 Chrysene

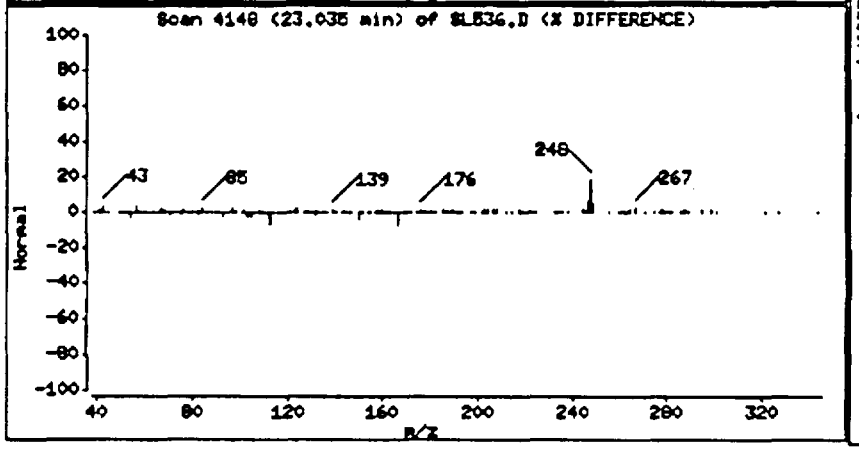

Scan 4122 (22.910 min) of SL536.D
Y (x10^5)
m/z
Scan 4122 (22.910 min) of SL536.D (Subtracted)
63 Chrysene (Reference Spectrum)
Y (x10^3)
Scan 4122 (22.910 min) of SL536.D (% DIFFERENCE)
Normal
Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^5)
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

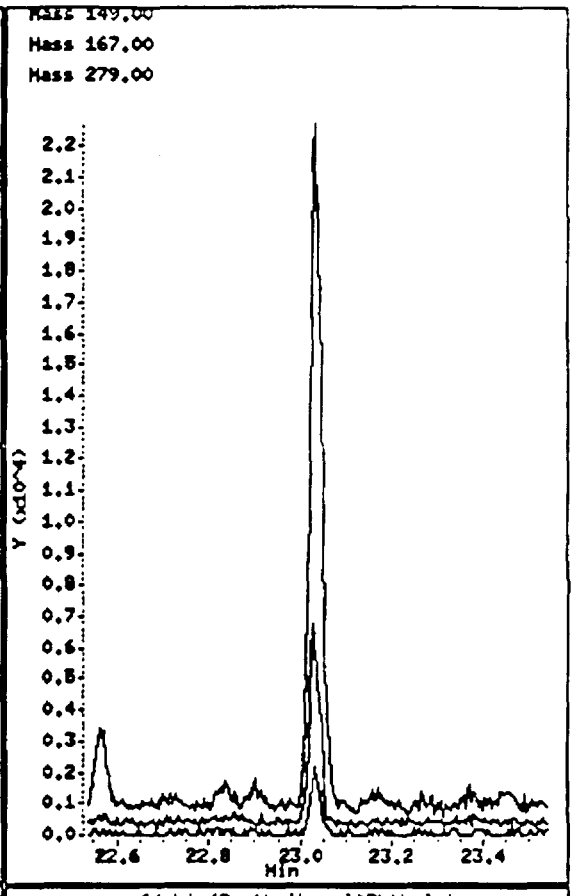
64 bis(2-ethylhexyl)Phthalate

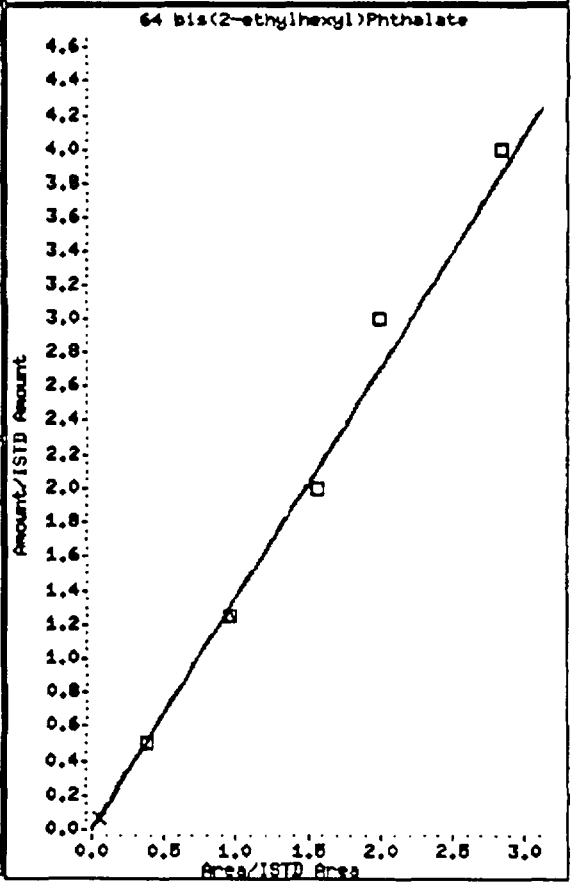




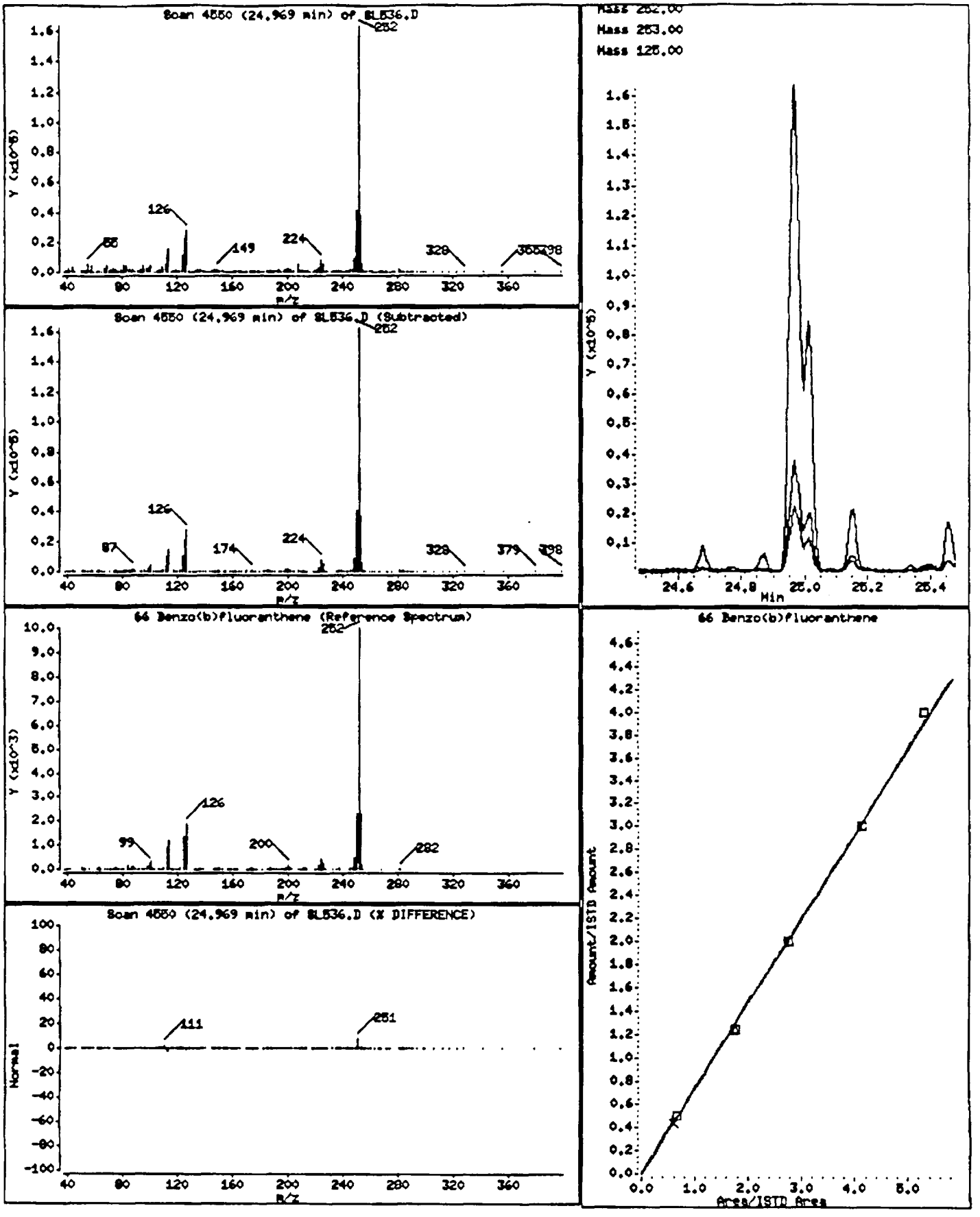




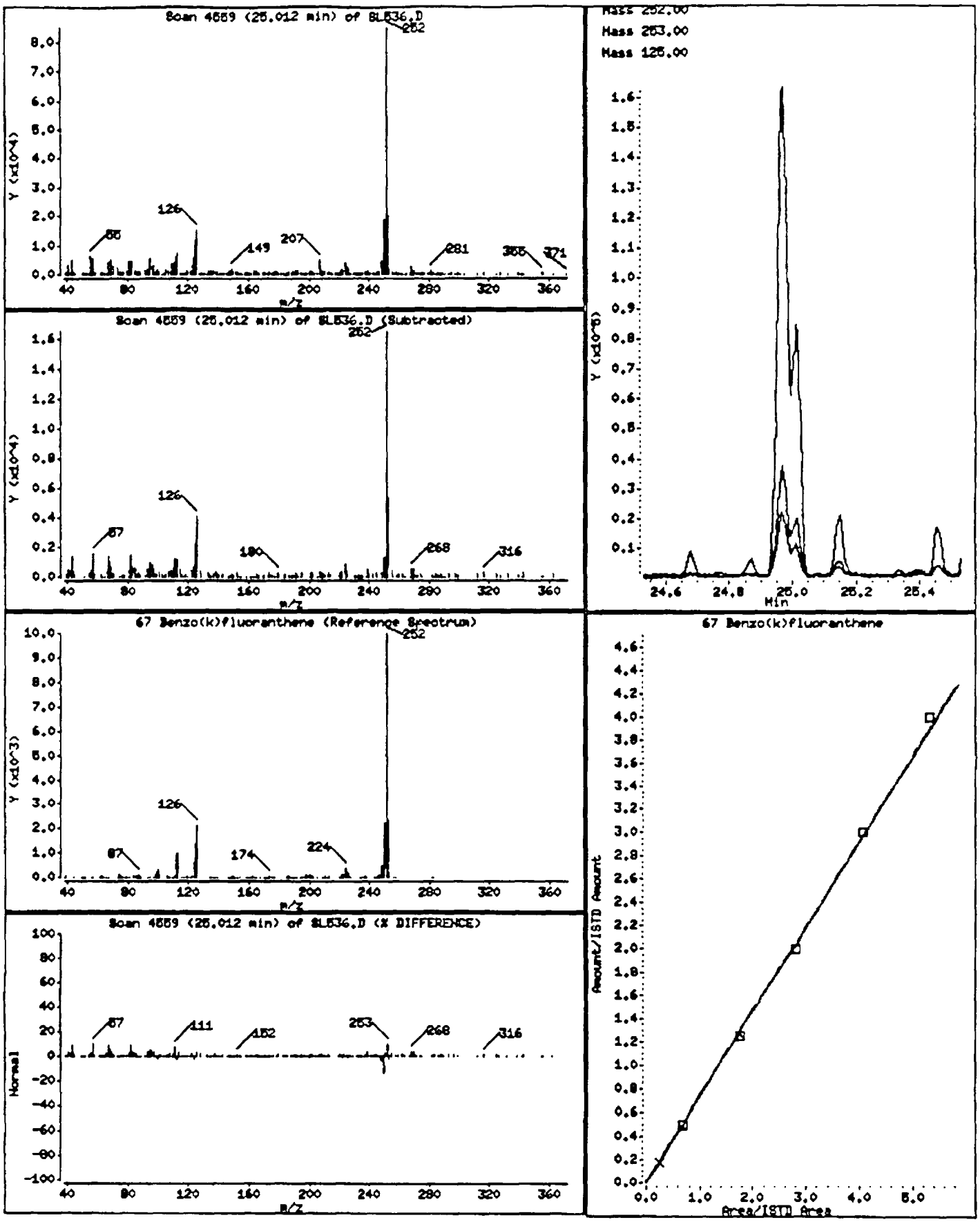




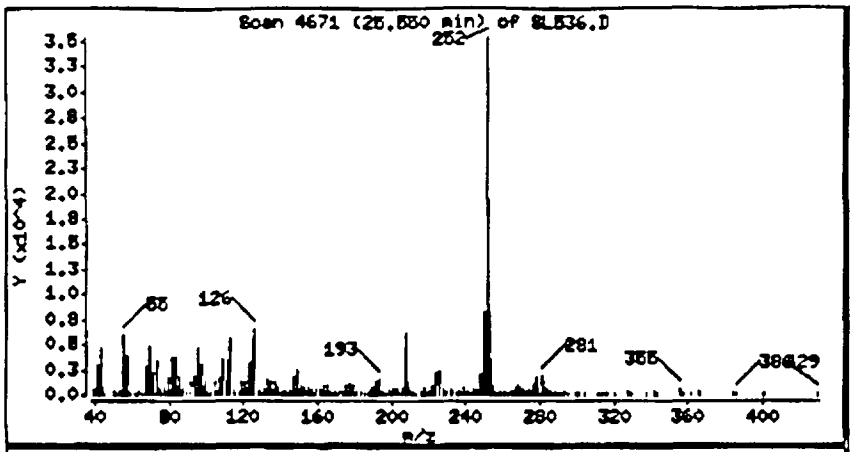
66 Benzo(b)fluoranthene

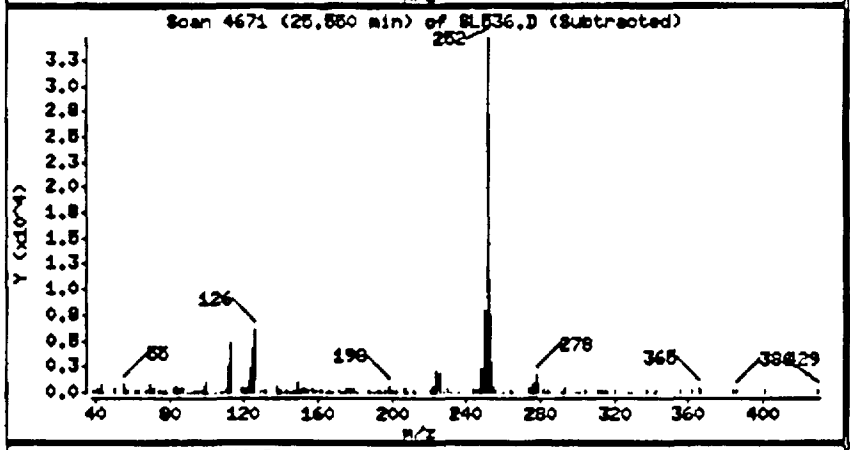


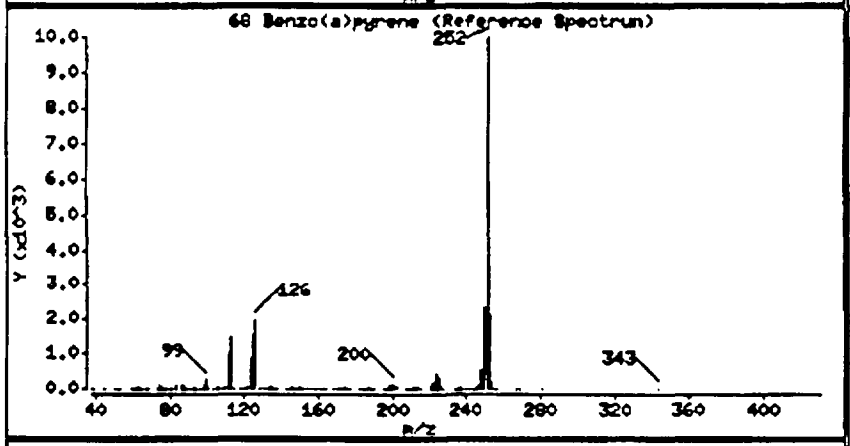
67 Benzo(k)fluoranthene

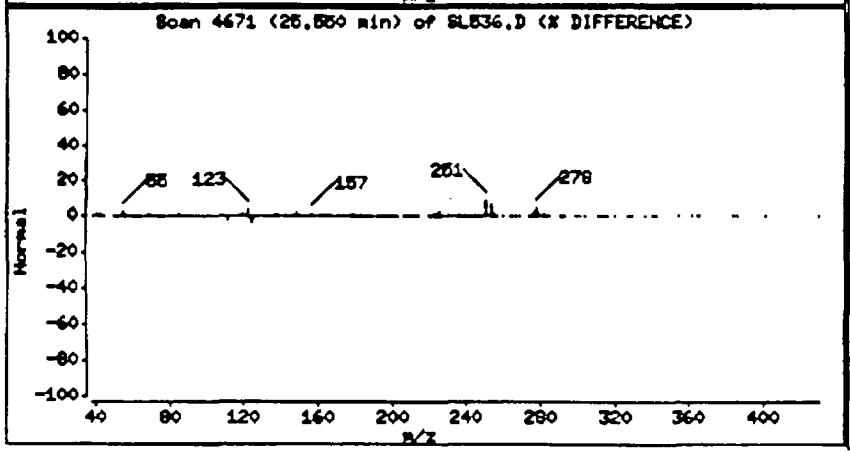


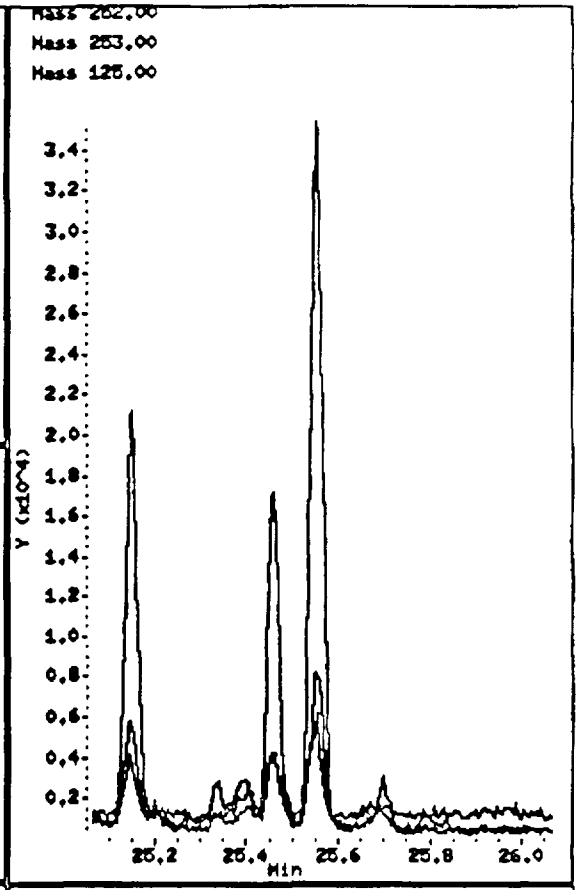
68 Benzo(a)pyrene

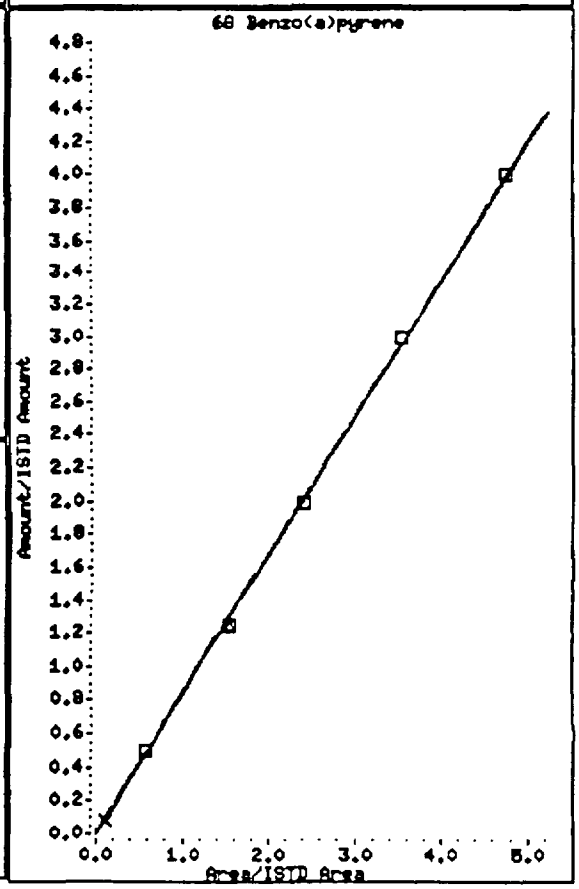




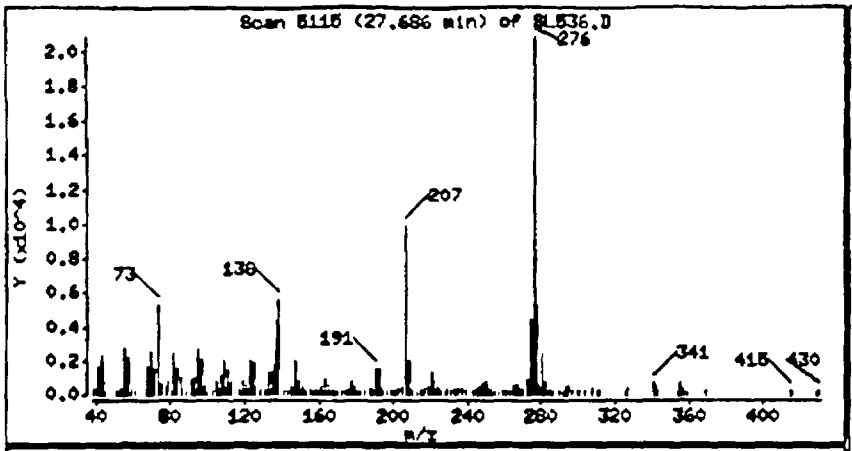


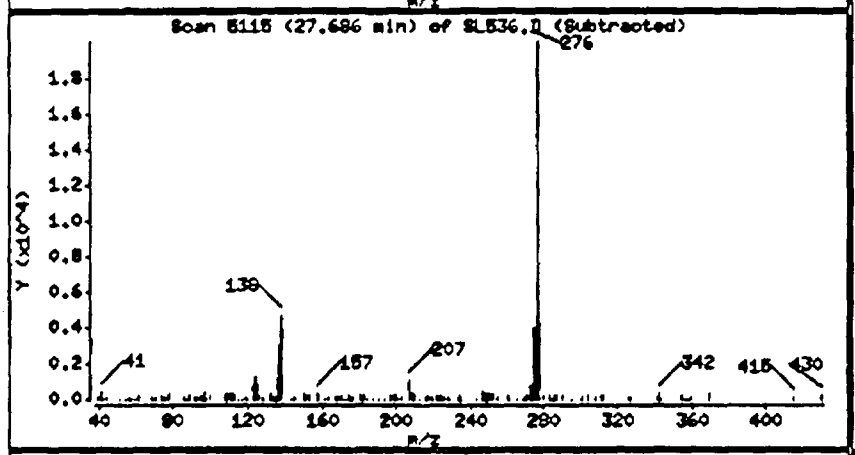


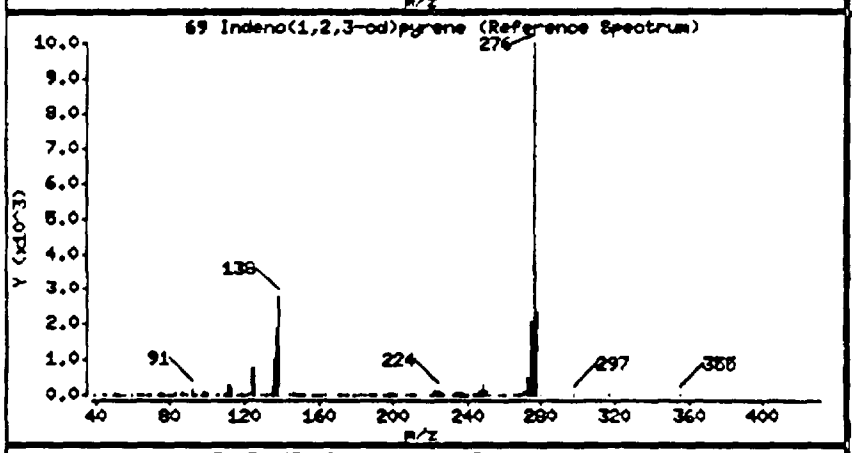


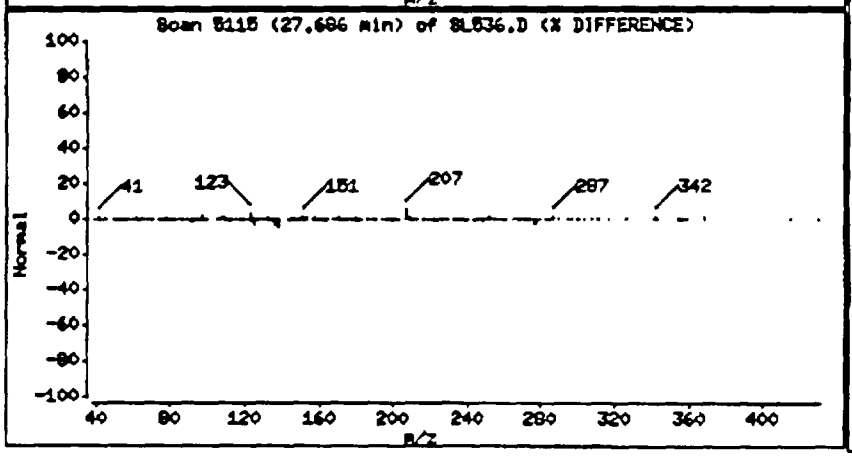


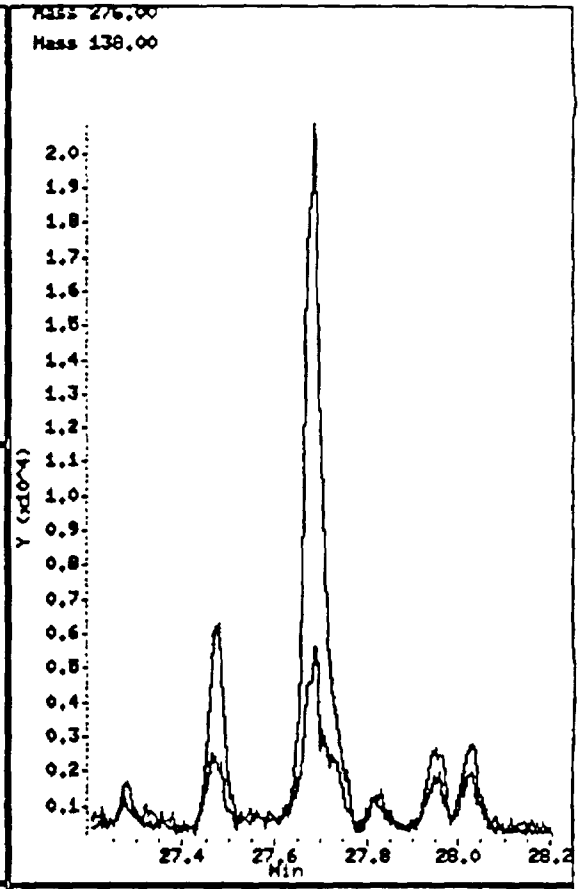
69 Indeno(1,2,3-cd)pyrene

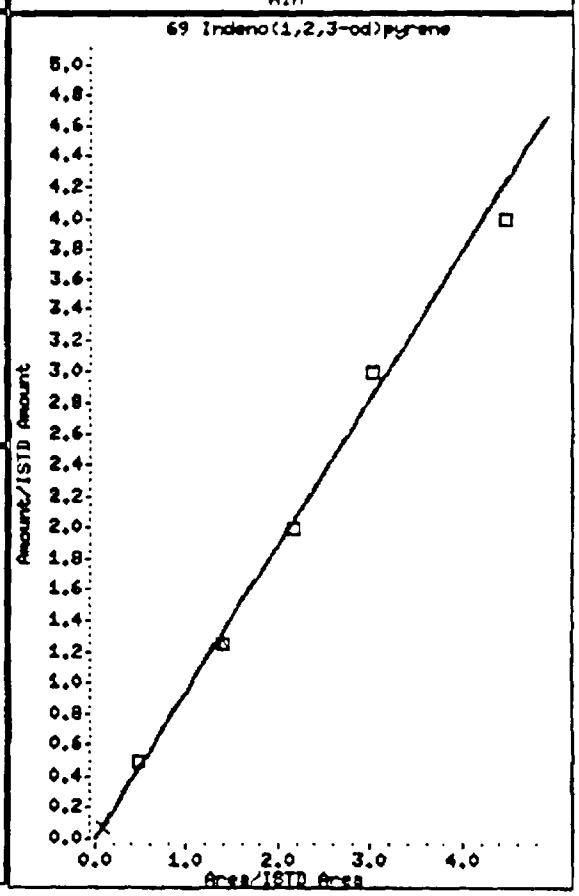




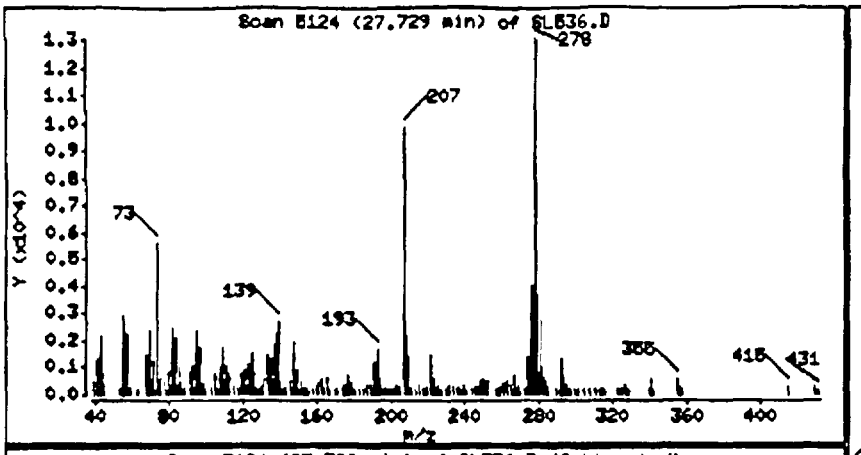


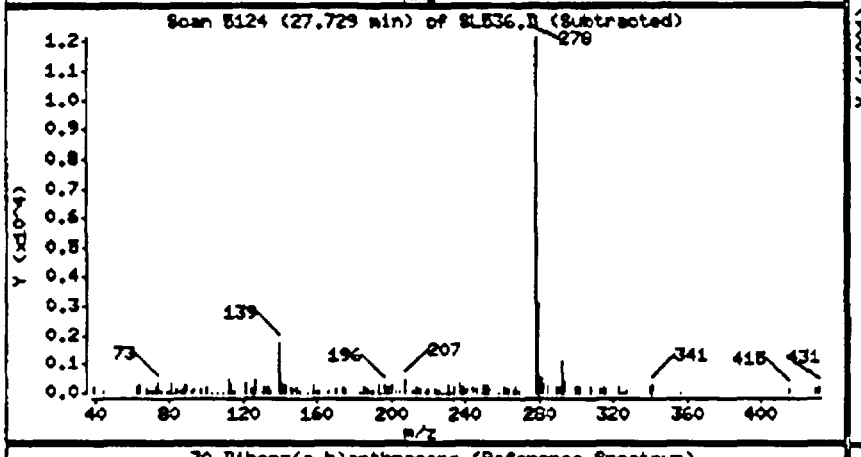


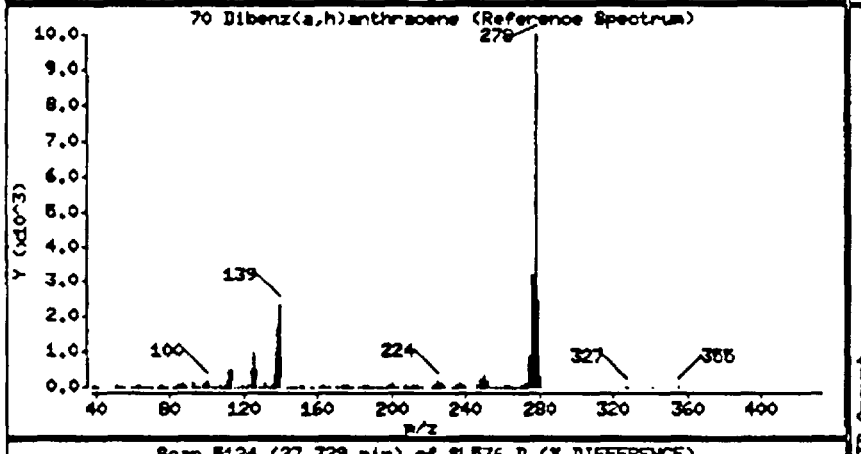


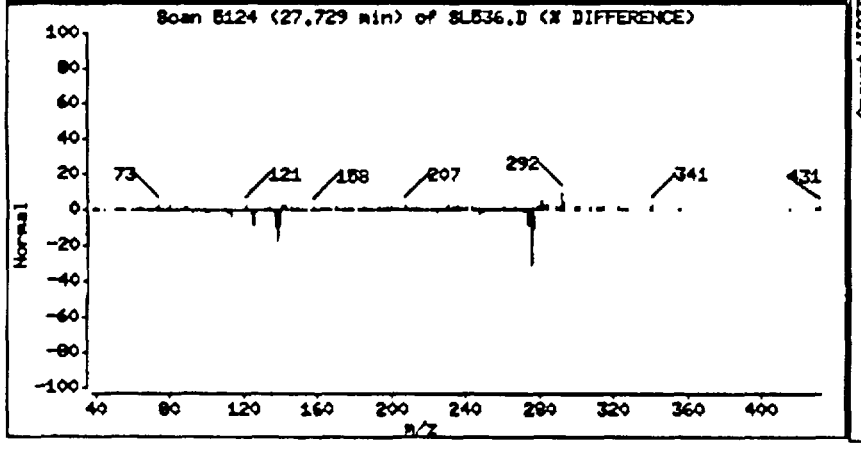


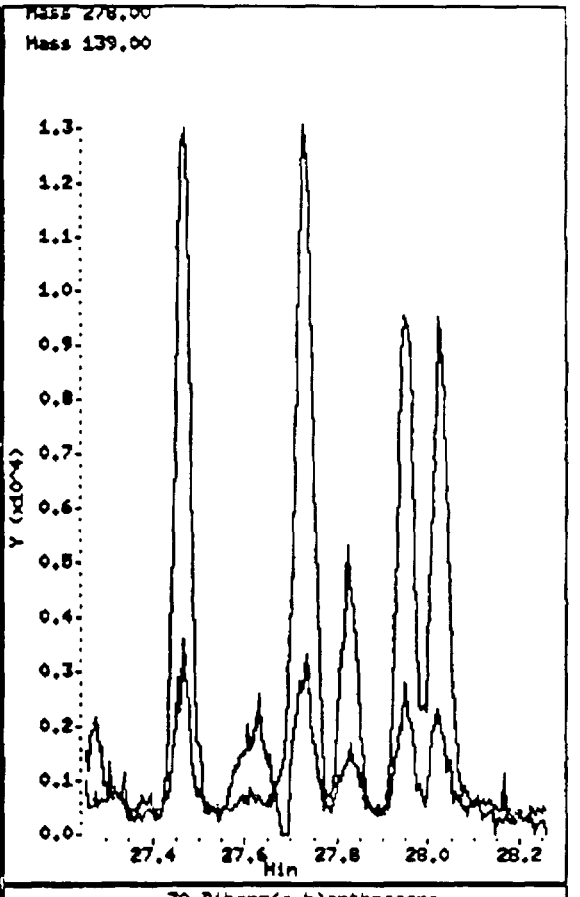
70 Dibenz(a,h)anthracene

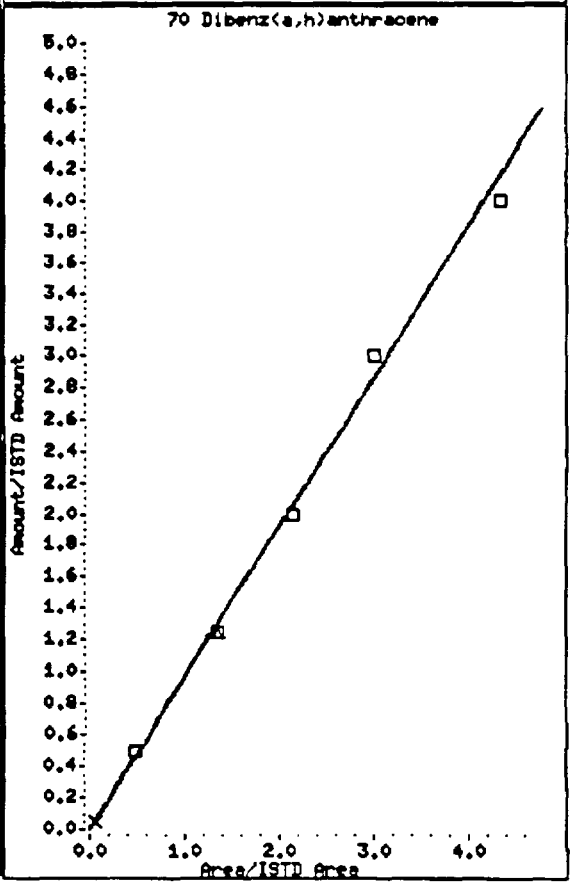












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D
Lab Smp Id: DJRNQ10U Client Smp ID: SL53-6"
Inj Date : 30-SEP-2000 00:54
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnq10u,00929a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00929a.b\clp31.m
Meth Date : 30-Sep-2000 10:05 ulmanm Quant Type: ISTD
Cal Date : 29-SEP-2000 20:17 Cal File: 8SML0929.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV03

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.080	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.936	2100269	40.000
* 2 Naphthalene-d8	10.417	2825553	40.000
* 3 Acenaphthene-d10	14.081	3388208	40.000
* 4 Phenanthrene-d10	17.231	3467239	40.000
* 5 Chrysene-d12	22.858	3586271	40.000
* 6 Perylene-d12	25.661	1870896	40.000

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.224	12824242	244.239990	4000	99		0	1
Unknown					CAS #:		
10.287	1080667	15.2984849	250	0		0	2
Unknown					CAS #:		
13.024	364670	4.30516561	72	0		0	3
Unknown Hydrocarbon					CAS #:		
16.202	449593	5.18675678	86	99		0	4
Unknown PAH					CAS #:		
18.313	385037	4.44200450	74	99		0	4
Unknown PAH					CAS #:		
18.366	495867	5.72059786	95	99		0	4
Unknown					CAS #:		
18.534	559510	6.45481895	110	0		0	4
Unknown PAH					CAS #:		
18.587	355175	4.09749660	68	99		0	4
Unknown PAH					CAS #:		
18.967	774239	8.93205265	150	99		0	4
Unknown PAH					CAS #:		
19.496	350007	4.03787665	67	99		0	4
Unknown					CAS #:		
19.636	596856	6.88566153	110	0		0	4
Unknown					CAS #:		
22.074	400660	4.46881828	74	0		0	5
Unknown Hydrocarbon					CAS #:		
24.767	210927	4.50964660	75	99		0	6
Unknown PAH					CAS #:		
25.146	221064	4.72638008	78	99		0	6
Unknown Hydrocarbon					CAS #:		
25.382	554003	11.8446566	200	99		0	6

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Hydrocarbon					CAS #:		
25.969	322772	6.90091379	110	99		0	6
Unknown Hydrocarbon					CAS #:		
27.310	216868	4.63665536	77	99		0	6
Unknown PAH					CAS #:		
28.037	383921	8.20827301	140	99		0	6
Unknown					CAS #:		
28.609	335101	7.16449905	120	0		0	6

Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,i-olp90,sub

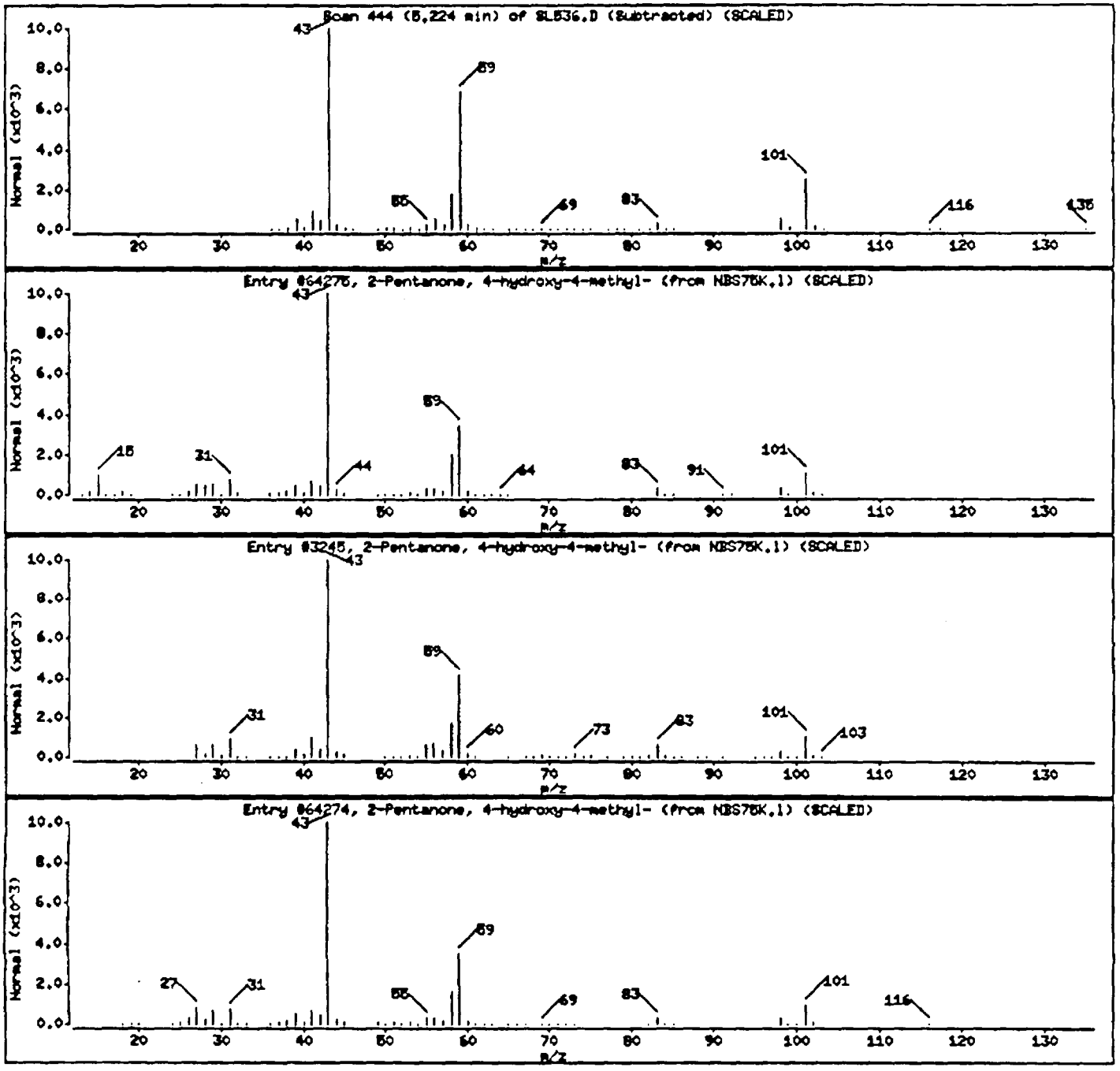
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	38	C6H12O2	116



Data File: \\wpanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31.1-olp90.sub

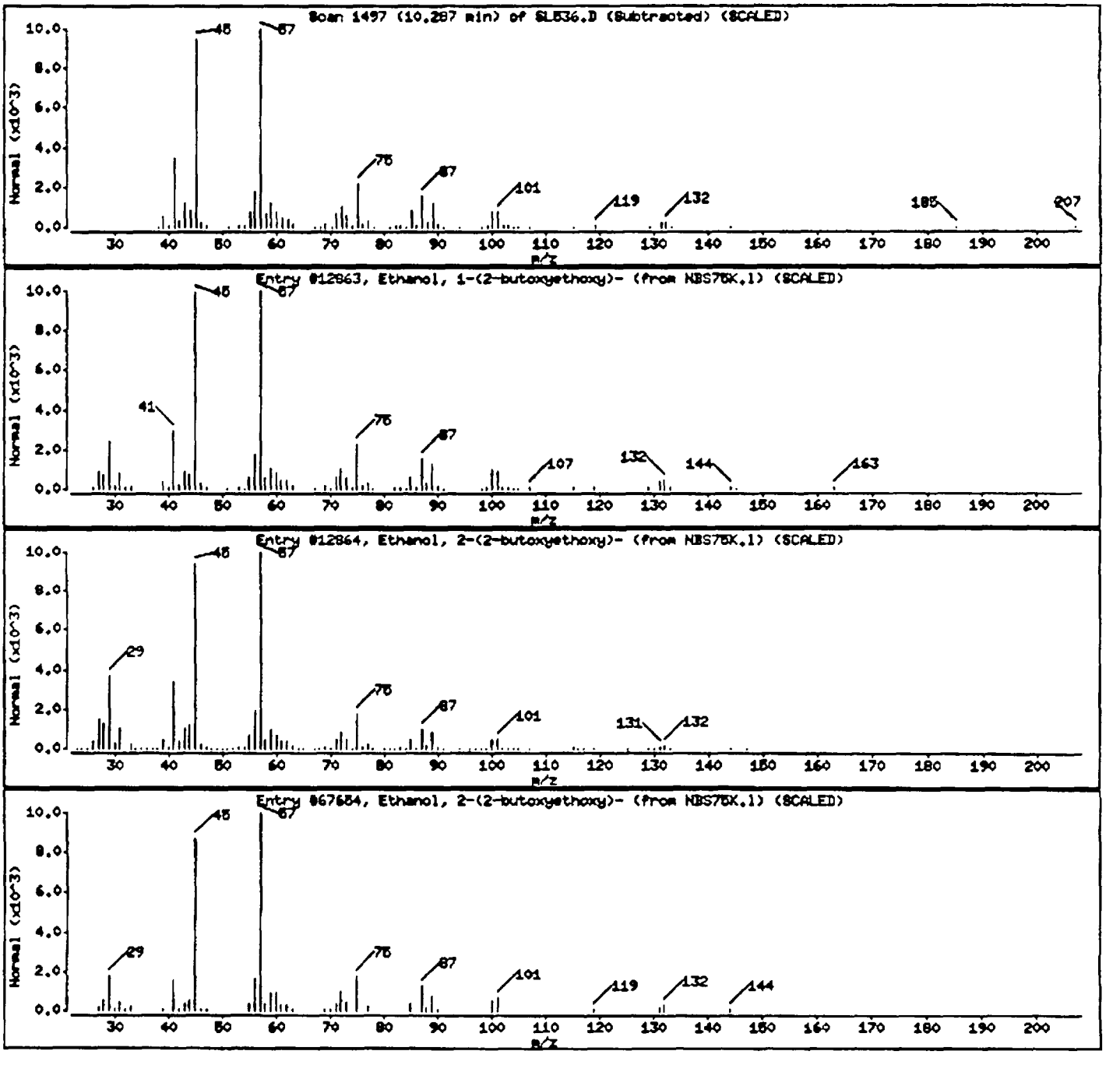
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 1-(2-butoxyethoxy)-	54446-78-6	NBS75K.1	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	12864	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	67654	83	C8H18O3	162



Data File: \\epcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90.sub

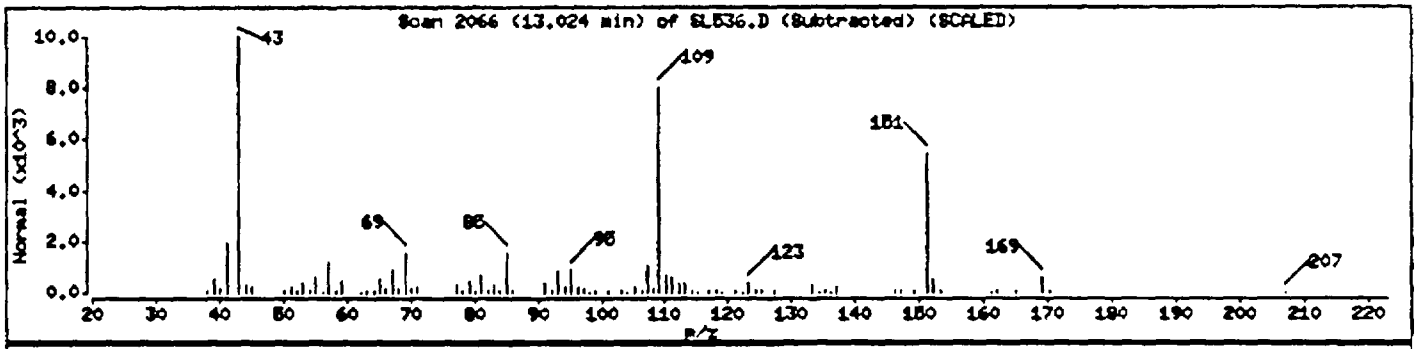
Volume Injected (uL): 2.0

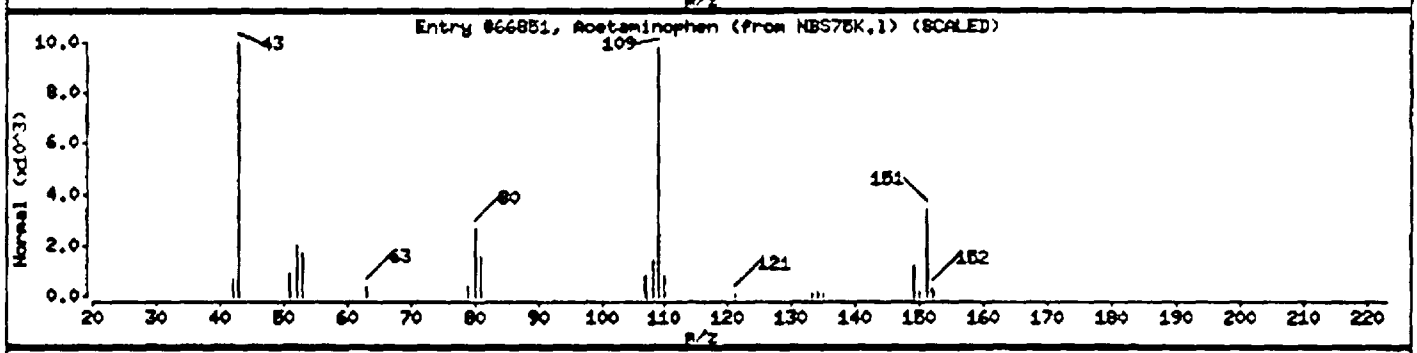
Operator: 001574

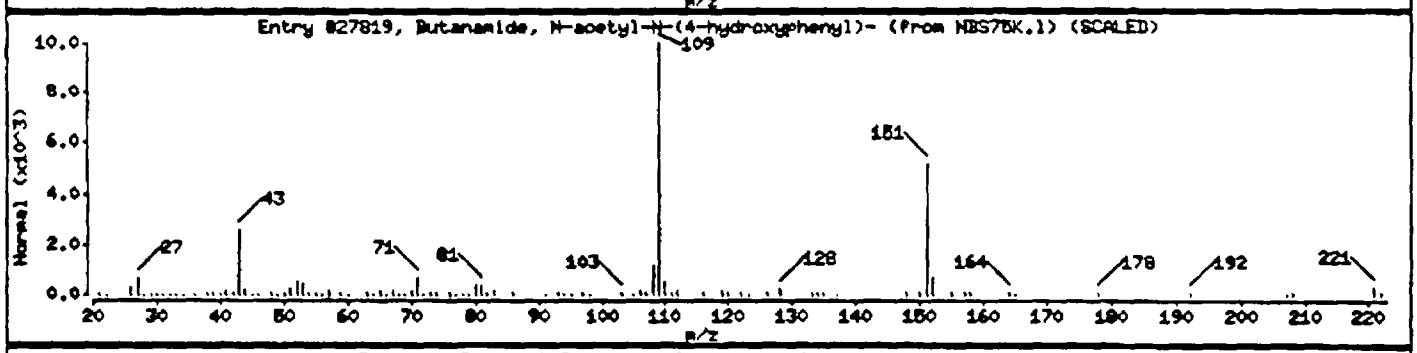
Column phase:

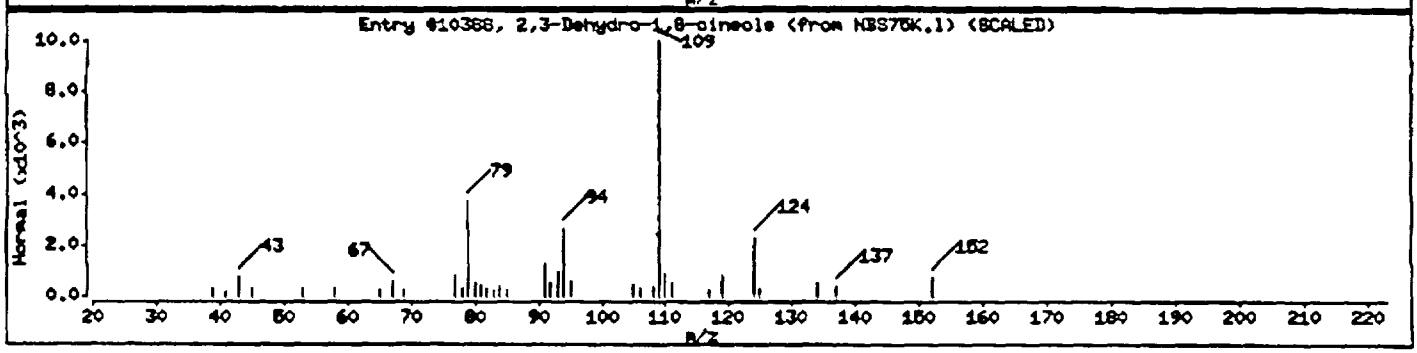
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetaminophen	103-90-2	NBS75K.l	66851	64	C8H9NO2	151
Butanamide, N-acetyl-N-(4-hydroxyphenyl)	0-00-0	NBS75K.l	27819	45	C12H15NO3	221
2,3-Dehydro-1,8-cineole	92760-25-3	NBS75K.l	10388	37	C10H16O	152









Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90.sub

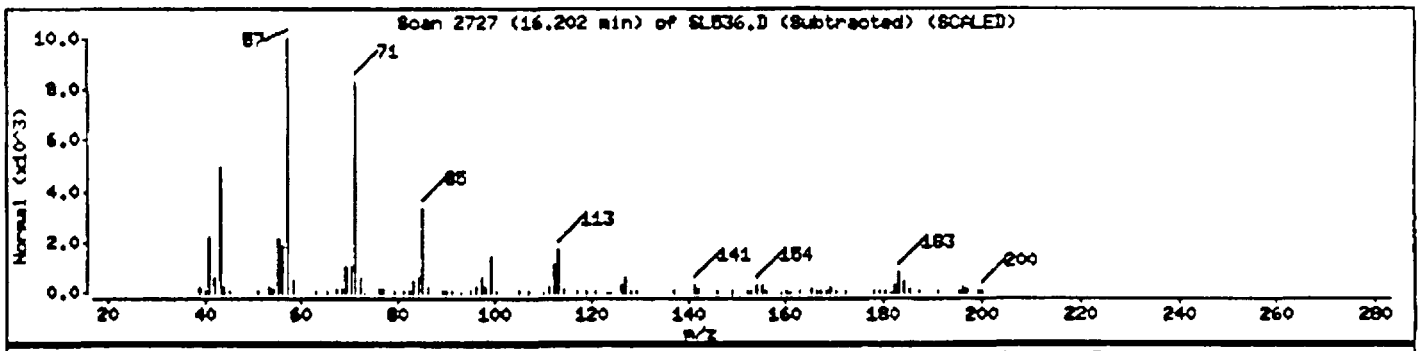
Volume Injected (uL): 2.0

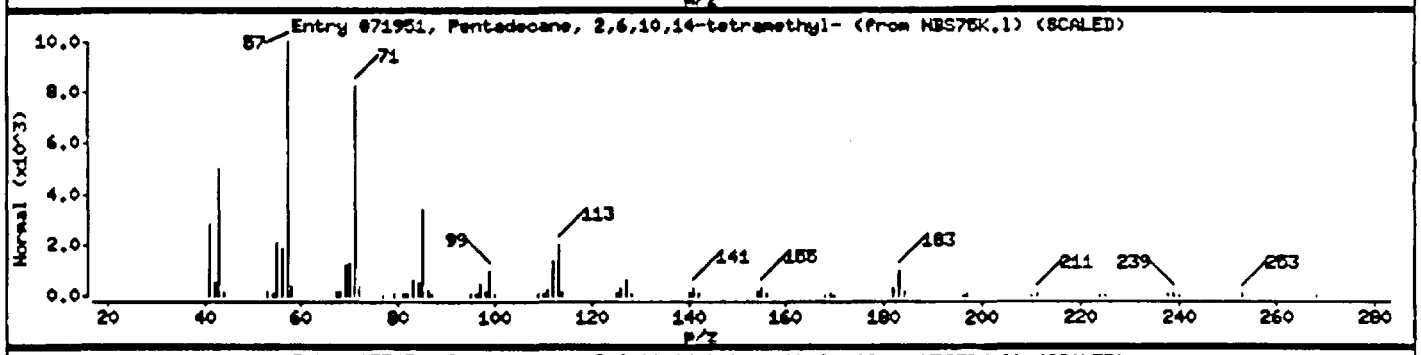
Operator: 001574

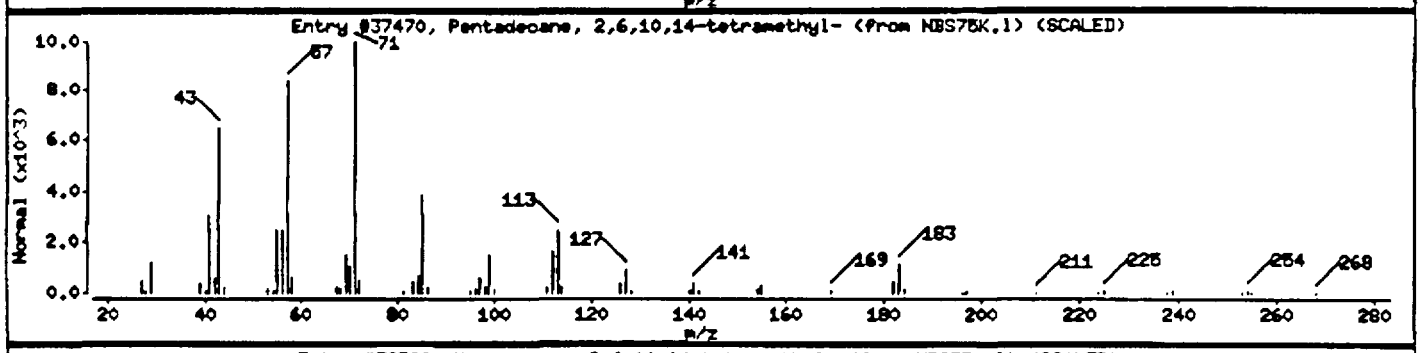
Column phase:

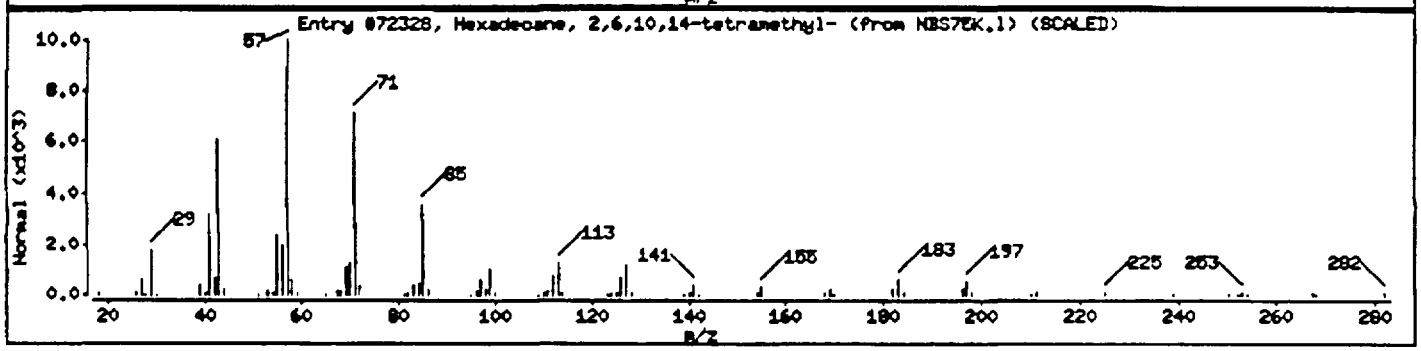
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71951	91	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	37470	90	C19H40	268
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NBS75K.l	72328	90	C20H42	282









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Date : 30-SEP-2000 00:54

Client ID: SL53-6*

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a,b,olp31,1-olp90,sub

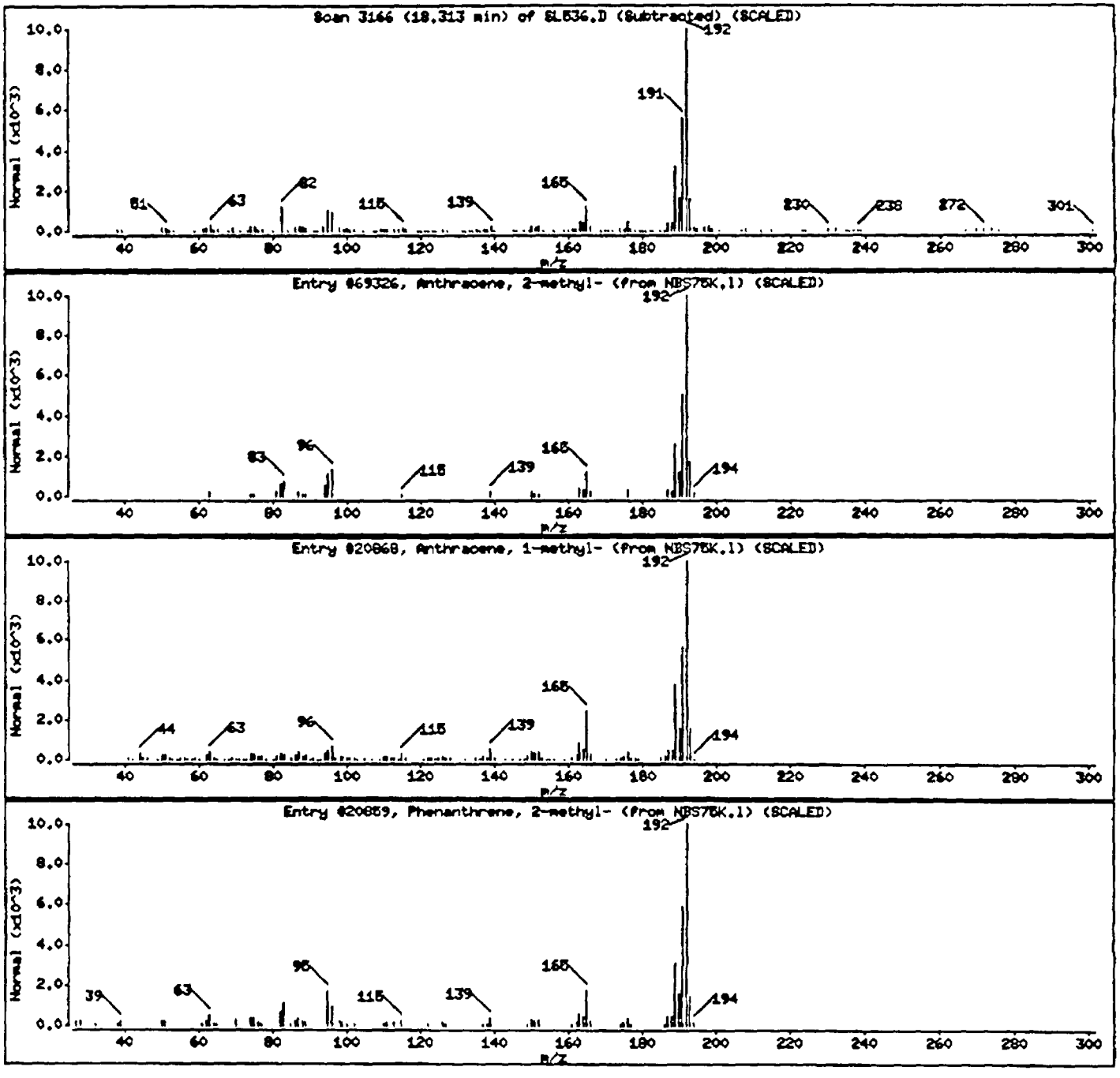
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Anthracene, 2-methyl-	613-12-7	NBS75K.l	69326	95	C15H12	192
Anthracene, 1-methyl-	610-48-0	NBS75K.l	20868	95	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NBS75K.l	20859	94	C15H12	192



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Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrm410u,00929a.b,olp31,1-olp90,sub

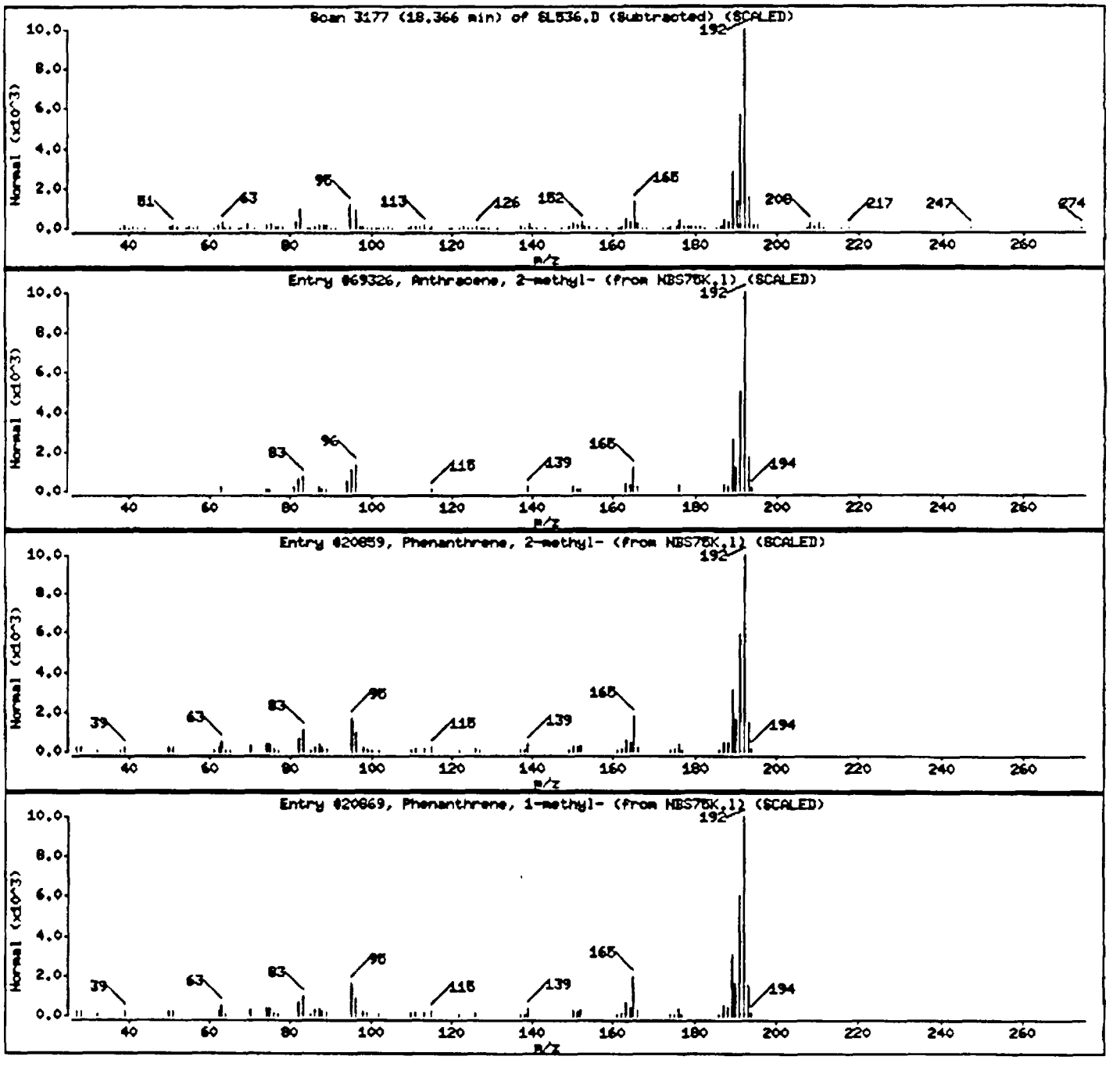
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Anthracene, 2-methyl-	613-12-7	NBS75K.1	69326	96	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NBS75K.1	20859	93	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NBS75K.1	20869	93	C15H12	192



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Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,i-olp90.sub

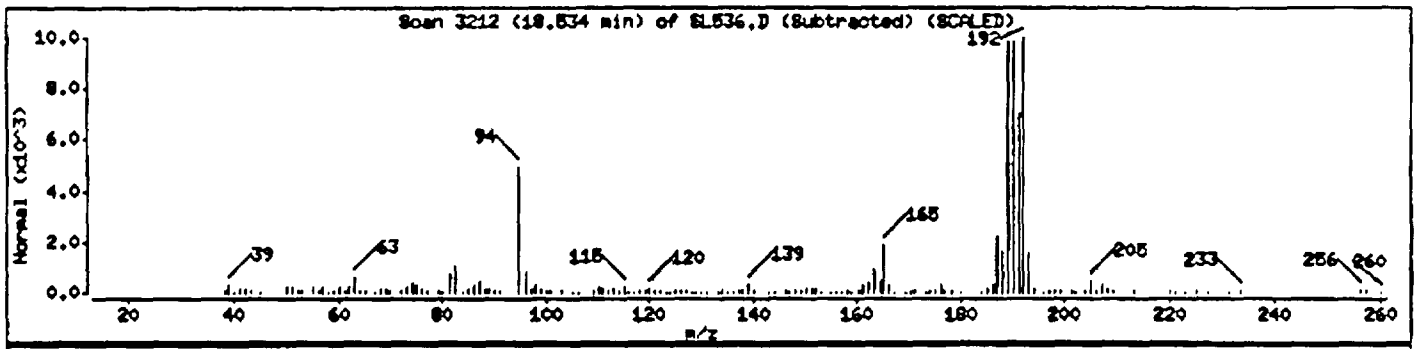
Volume Injected (uL): 2.0

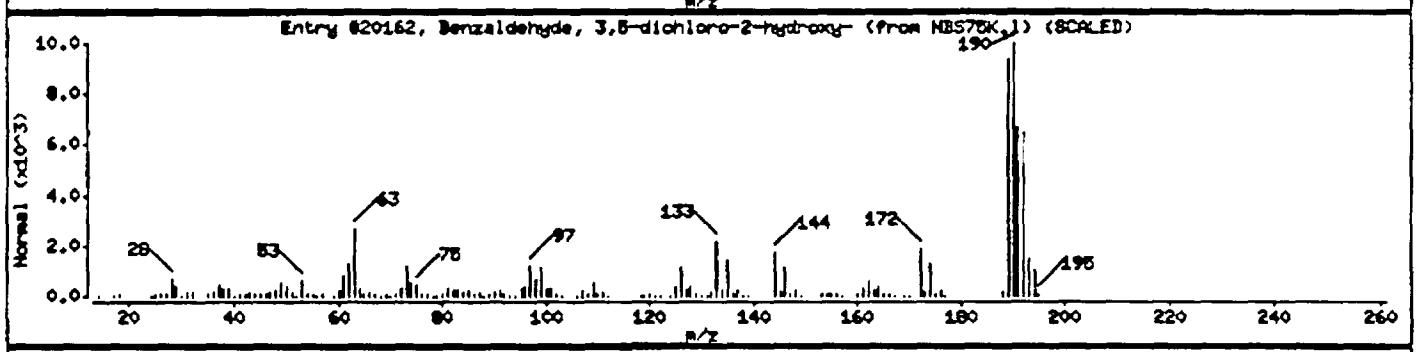
Operator: 001574

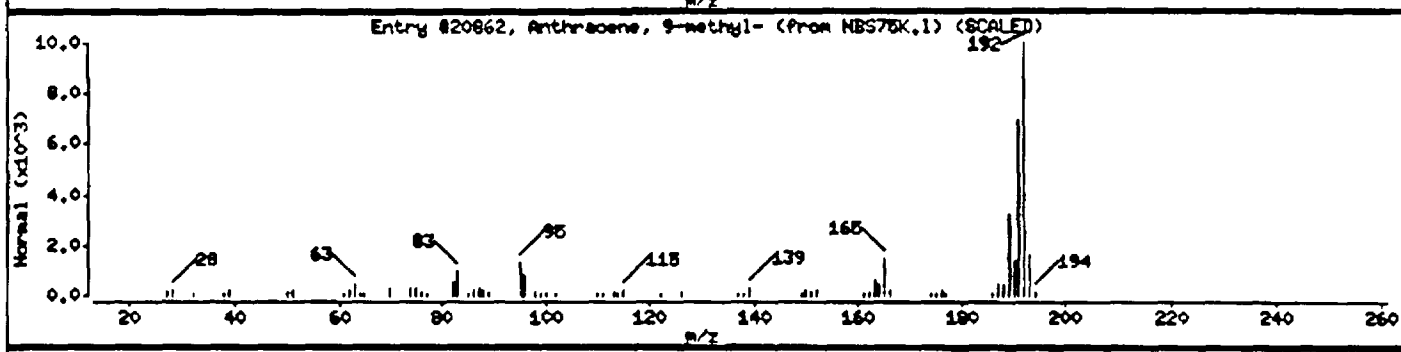
Column phase:

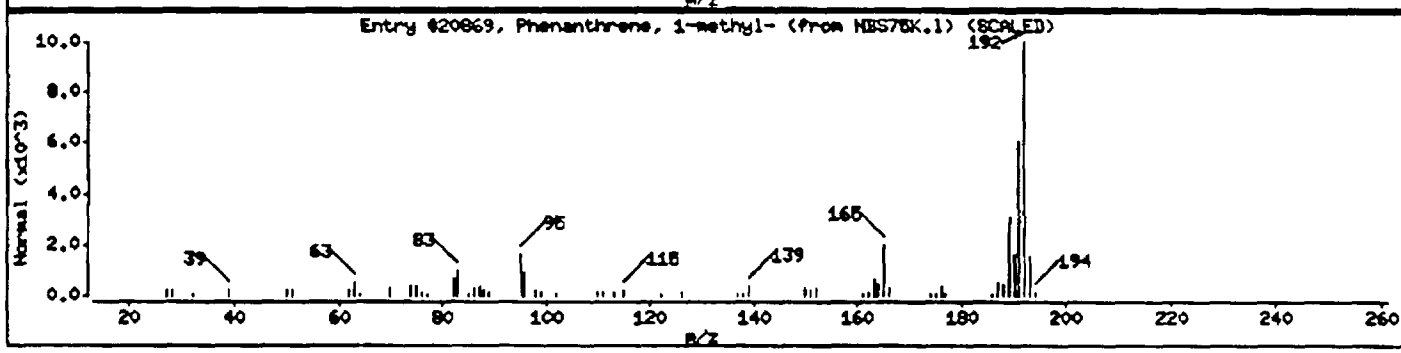
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzaldehyde, 3,5-dichloro-2-hydroxy-	90-60-8	NBS75K.l	20162	50	C7H4Cl2O2	190
Anthracene, 9-methyl-	779-02-2	NBS75K.l	20862	42	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NBS75K.l	20869	42	C15H12	192









Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrm=10u,00929a.b,clp31,1-clp90.sub

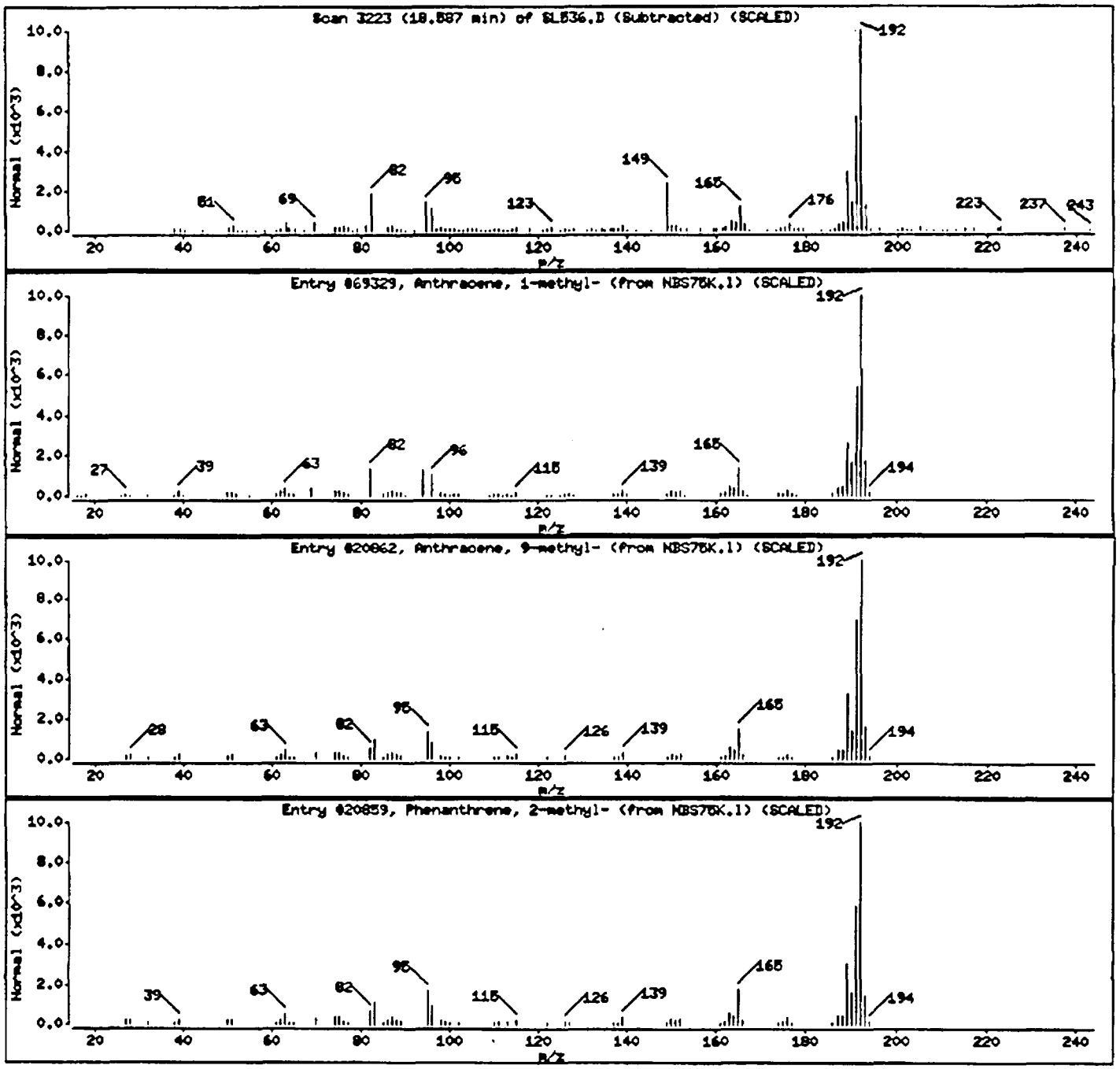
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Anthracene, 1-methyl-	610-48-0	NBS75K.1	69329	96	C15H12	192
Anthracene, 9-methyl-	779-02-2	NBS75K.1	20862	93	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NBS75K.1	20859	89	C15H12	192



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,olp31,1-olp90.sub

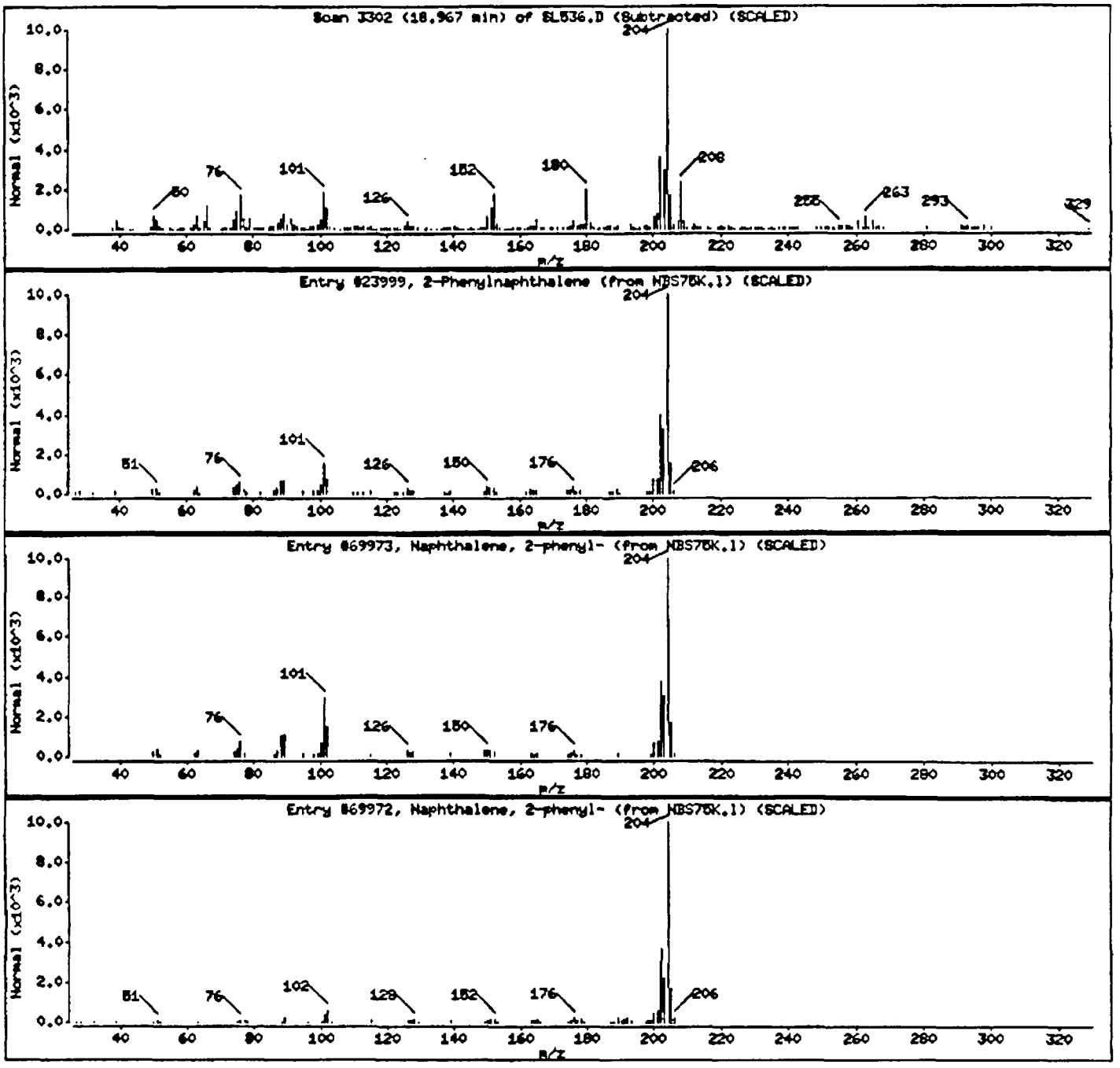
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
2-Phenylnaphthalene	35468-71-8	NBS75K.l	23999	96	C16H12	204
Naphthalene, 2-phenyl-	612-94-2	NBS75K.l	69973	70	C16H12	204
Naphthalene, 2-phenyl-	612-94-2	NBS75K.l	69972	65	C16H12	204



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL536.D

Date : 30-SEP-2000 00:54

Client ID: SL53-6'

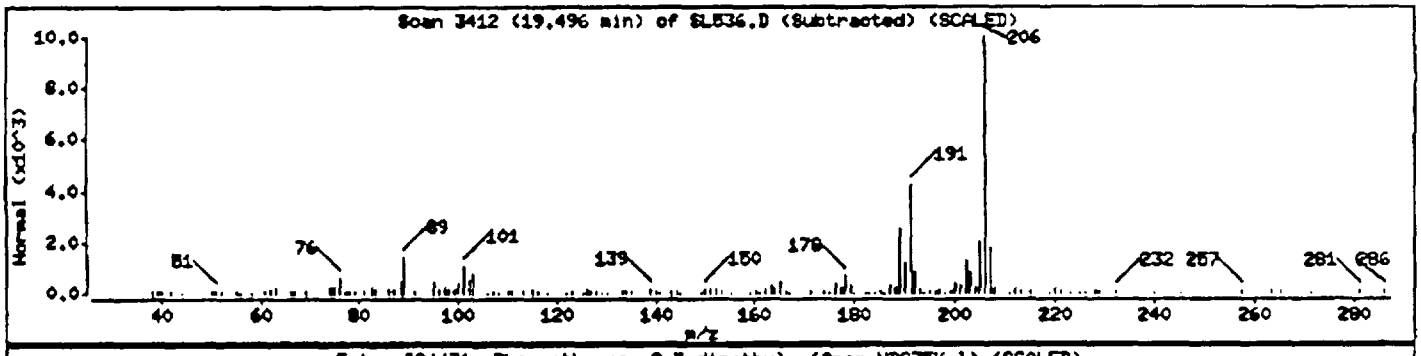
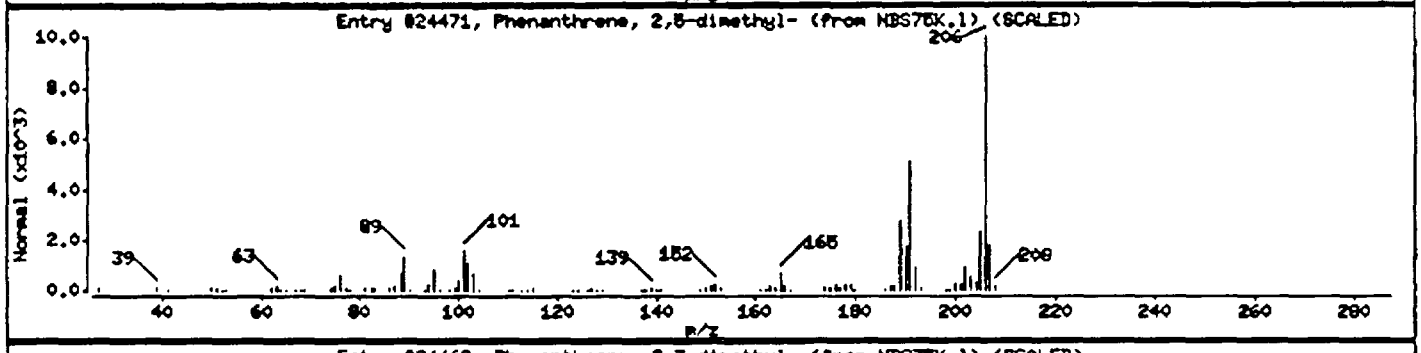
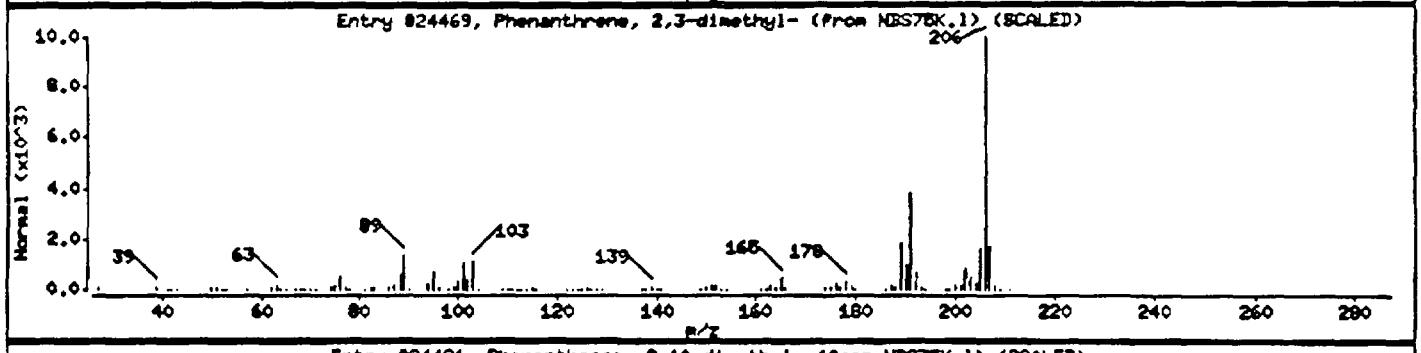
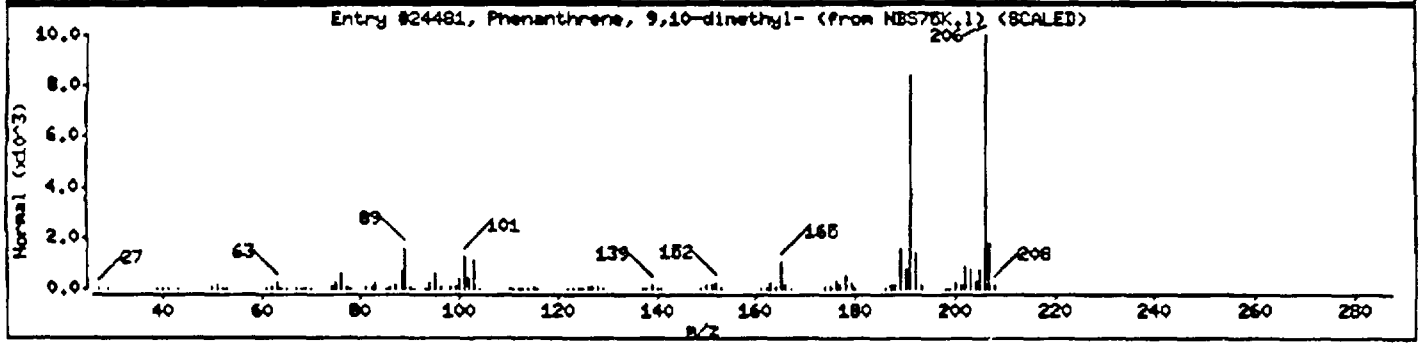
Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,clp31,i-clp90.sub

Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Phenanthrene, 2,5-dimethyl-	3674-66-6	NBS75K.l	24471	94	C16H14	206
Phenanthrene, 2,3-dimethyl-	3674-65-5	NBS75K.l	24469	94	C16H14	206
Phenanthrene, 9,10-dimethyl-	604-83-1	NBS75K.l	24481	93	C16H14	206