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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2-H

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MISCELLANEOUS DATA

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 64186

Lot #: A0I010248

Case Number/SDG:

Storage Location: C141 VOCCLP/VOCCLP

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	
DJRNG	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	

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SHIPPING AND RECEIVING DOCUMENTS

89

100 **FedEx** USA Airbill FedEx Tracking Number 822758942583

0215

SR 2

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records. 822758942583

Date AUG 31/00 FedEx Tracking Number

Sender's Name HEATHER SEDS 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 4111 SHUFFEL DRIVE

To "HOLD" at FedEx location, print FedEx address. We cannot

City [illegible] State OH ZIP [illegible]

4a Express Package Service — Packages up to 150 lbs.

- FedEx Priority Overnight
- FedEx Standard Overnight
- FedEx First Overnight
- FedEx 2Day*
- FedEx Express Saver*

4b Express Freight Service — Packages over 150 lbs.

- FedEx Day Freight*
- FedEx 2Day Freight
- FedEx 3Day Freight

5 Packaging

- FedEx Envelope/Letter*
- FedEx Pak*
- Other Pkg.

6 Special Handling

- SATURDAY Delivery
- SUNDAY Delivery
- HOLD Weekday at FedEx Location
- HOLD Saturday at FedEx Location

Dry Ice

Cargo Aircraft Only

Third Party Credit Card Cash/Check

Total Charges

Credit Card Auth.

See the FedEx Service Guide for details

402

8227 5894 2583

Seal 8/31/00

Custody Seal 8/31/00

DATE

SIGNATURE

Quanterra

Quanterra

No

Severn Trent Laboratories

Signature: [illegible]

Date: 8/29/00

STL North Canton

Chain of Custody Record

Quanterra

QUA-4124 0797

Client	Project Manager	Date	Chain of Custody Number
RMT	Rae Mindock	8.31.00	45044

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 2
222 S. Riverside Plaza Suite 820	312 575 0200 / 312 575 0300		

City	State	Zip Code	Site Contact	Lab Contact
Chicago	IL	60606	Yaros/Seus	Ken Kuzior

Project Name	Carrier/Waybill Number
Riverdale	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	#	Analysis (Attach list if more space is needed): Loc Pest CLP	VOA CLP	Metals CLP	Semi VOA CLP	Pest CLP	Special Instructions/ Conditions of Receipt
SL49-1'	8.31.00	9:05			X							1	X					LOC: Aldrin
SL49-4'	8.31.00	9:05			X							1	X					Dieldrin, Heptachlor,
SL50-6"		9:40										4		X	X	X	X	Heptachlor epoxide,
SL50-4'		9:50										4		X	X	X	X	Toxaphene, alpha +
SL51-6"		10:30										4		X	X	X	X	gamma chlordane
SL51-4'		10:30										4		X	X	X	X	
SL52-6"		10:45										4		X	X	X	X	
SL52-4'		10:45										4		X	X	X	X	
SL53-6"		11:00										4		X	X	X	X	
SL54-6"		11:05										4		X	X	X	X	
SL55-6"		11:04										4		X	X	X	X	
	8.31.00				X													

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

Sample Disposal
☐ Return To Client ☒ Disposal 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)

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	8.31.00	4:00	[signature]	9/1/00	920
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

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: Anne Jordan (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: Jad via Voice Mail [X] Verbal [ ] Other [ ]
Concerning: Hbk

√	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 SL51-6" - Received 2 trip blanks not on COC. Will log in. Jad 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-0005, Sample Receiving
n:\qaqc\narrativ\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-0005, Sample Receiving
n:\qaqc\narrative\stl\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: I01248

Lot #: A0I010248

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
01	SL50-4'	108	78	100	00
02	SL51-6"	117	69	98	00
03	SL51-4'	119	73	100	00
04	SL51-4' RE-1	124	69	103	00
05	SL52-6"	122	74	102	00
06	SL52-6" RE-1	127	72	105	00
07	SL52-4'	102	86	103	00
08	SL53-6"	121	68	102	00
09	SL50-6"	107	81	100	00
10	SL54-6"	101	84	97	00
11	SL55-6"	120	87	109	00
12	METHOD BLK. DK2H4101	96	90	99	00
13	SL50-6" D	123	71	109	00
14	SL50-6" 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: RMT

Lab Code: QESCAN QESSDG: I01248

Lot #: A0I010248

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
01	HLDBLK	98	92	105	00
02	TRIP BLANK	97	90	101	00
03	METHOD BLK. DK4EP101	99	92	101	00

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					
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21					
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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					
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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	1000NG-IC	UX80198	09/08/00	1652
02	VSTD100	500NG-IC	UX80199	09/08/00	1715
03	VSTD050	250NG-IC	UX80200	09/08/00	1738
04	VSTD020	100NG-IC	UX80201	09/08/00	1802
05	VSTD010	50NG-IC	UX80202	09/08/00	1825
06	DK4EP-BLK	DK4EP101	UX80206	09/08/00	1957
07	HLDBLK	DJRPG101	UX80207	09/08/00	2020
08	TRIPBLANK	DJRRK101	UX80208	09/08/00	2043
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

page 1 of 1

FORM V VOA OLM03.0

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: BFB171 BFB Injection Date: 09/07/00

Instrument ID: A3UX9 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	1000NG-IC	UX9794	09/07/00	0610
02	VSTD100	500NG-IC	UX9795	09/07/00	0633
03	VSTD050	250NG-IC	UX9796	09/07/00	0656
04	VSTD020	100NG-IC	UX9797	09/07/00	0719
05	VSTD010	50NG-IC	UX9798	09/07/00	0742
06	DK2H4-BLK	DK2H4101	UX9800	09/07/00	0827
07	SL50-6"	DJRN410T	UX9801	09/07/00	0849
08	SL50-4'	DJRND10T	UX9802	09/07/00	0912
09	SL51-6"	DJRNG10T	UX9803	09/07/00	0935
10	SL51-4'	DJRNK10T	UX9804	09/07/00	0957
11	SL52-6"	DJRNM10T	UX9805	09/07/00	1020
12	SL52-4'	DJRNN10T	UX9806	09/07/00	1042
13	SL54-6'	DJRP010T	UX9808	09/07/00	1137
14	SL50-6"	DJRN410X	UX9810	09/07/00	1222
15	SL50-6"	DJRN4110	UX9811	09/07/00	1245
16	SL51-4'	DJRNK20T	UX9812	09/07/00	1308
17	SL52-6"	DJRNM20T	UX9813	09/07/00	1330
18	SL53-6"	DJRNQ10T	UX9814	09/07/00	1353
19	SL55-6"	DJRP710T	UX9815	09/07/00	1415
20					
21					
22					

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	DK4EP-BLK	136412	4.30	921612	5.13	734941	7.72
02	HLDBLK	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							
10							
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): UX9796 Date Analyzed: 09/07/00

Instrument ID: A3UX9 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: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 Date Received: 09/01/00
Work Order: DJRN410T Date Extracted:09/07/00
Dilution factor: 1 Date Analyzed: 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
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: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 Date Received: 09/01/00
Work Order: DJRN410T Date Extracted:09/07/00
Dilution factor: 1 Date Analyzed: 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
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 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 09/01/00
Work Order: DJRN410T Date Extracted:09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %:21

QC Batch: 0252101

Client Sample Id: SL50-6"

(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.i/N00907A-CLP.b/ux9801.d

Date : 07-SEP-2000 08:49

Client ID: SL50-6"

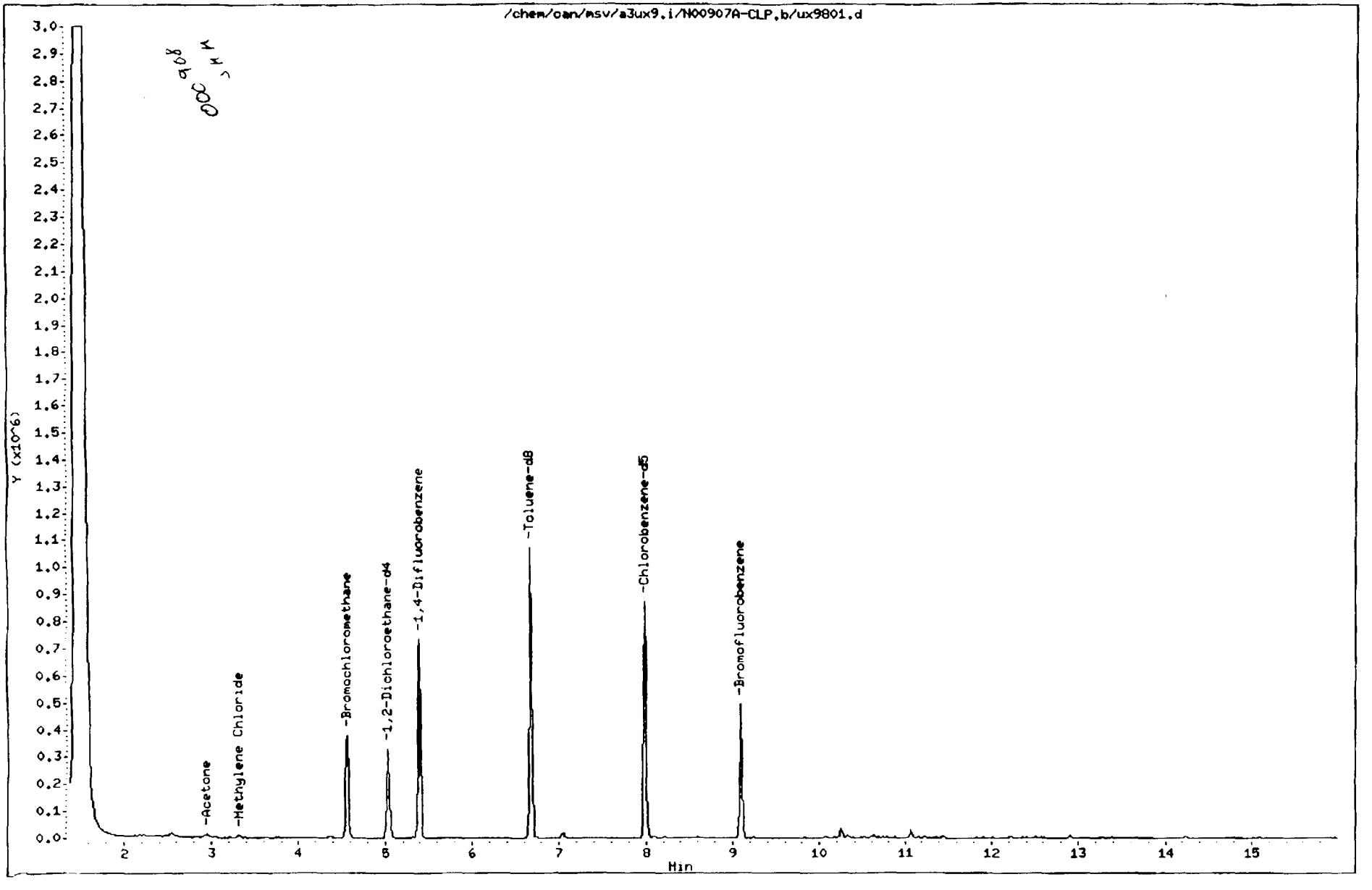
Instrument: a3ux9.i

Sample Info: DJRN410T,,5G/5ML

Operator: 01819

Column phase: RTX502.2

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/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 mcdanies 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) * 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)	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	
$ 4 1,2-Dichloroethane-d4	65	5.029	5.038	(1.101)	238093	250.469	50.094
$ 5 Toluene-d8	98	6.674	6.671	(0.836)	727647	267.446	53.489
$ 6 Bromofluorobenzene	95	9.099	9.097	(1.139)	188496	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.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.935	2.932	(0.642)	22754	19.9546	3.991
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.325	3.322	(0.728)	4531	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/a3ux9.i/N00907A-CLP.b/ux9801.d

Date : 07-SEP-2000 08:49

Client ID: SL50-6"

Instrument: a3ux9.i

Sample Info: DJRN410T,,5G/5ML

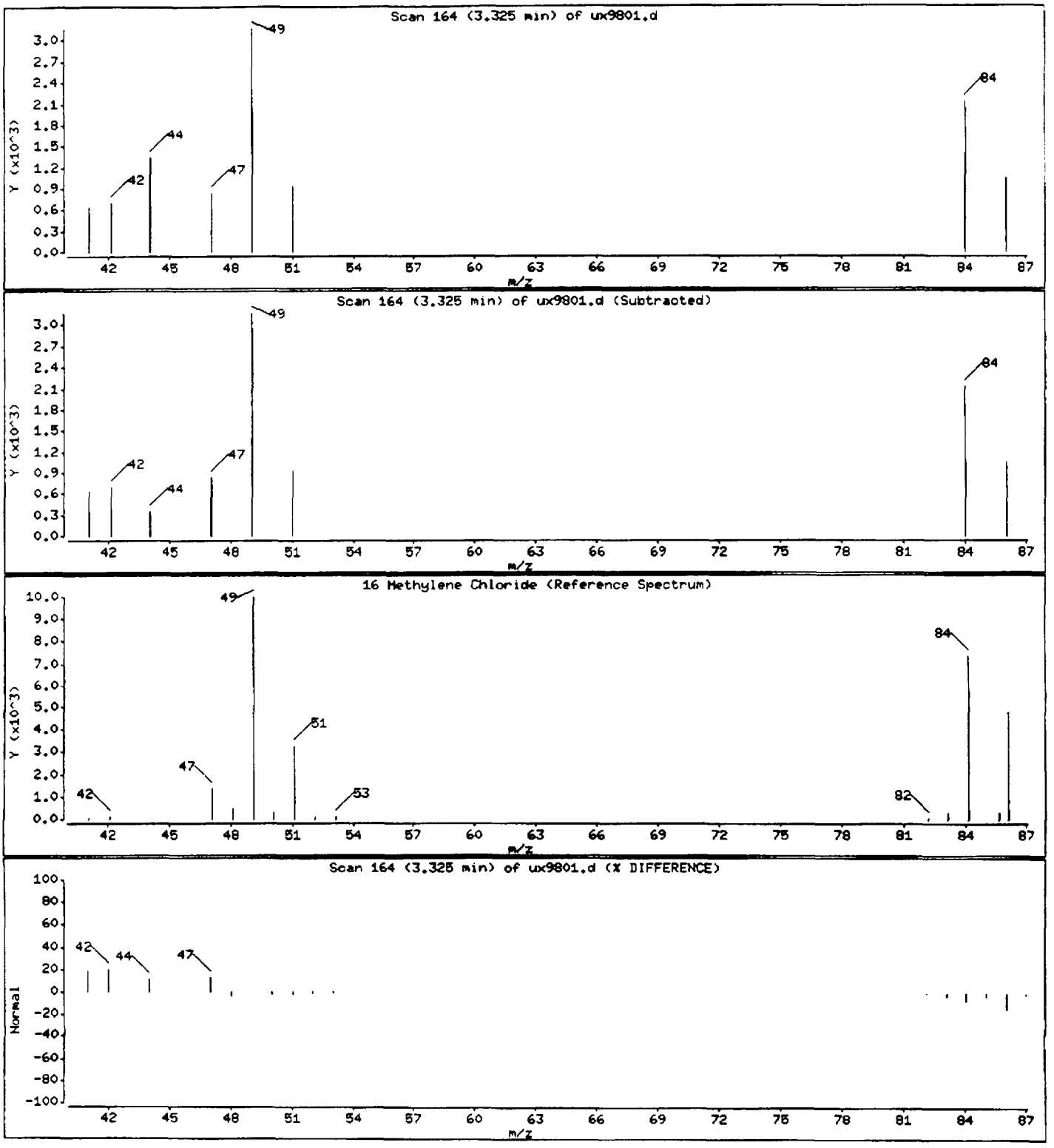
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.004 UG/KG



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

Date : 07-SEP-2000 08:49

Client ID: SL50-6"

Instrument: a3ux9.i

Sample Info: DJRN410T,,5G/5ML

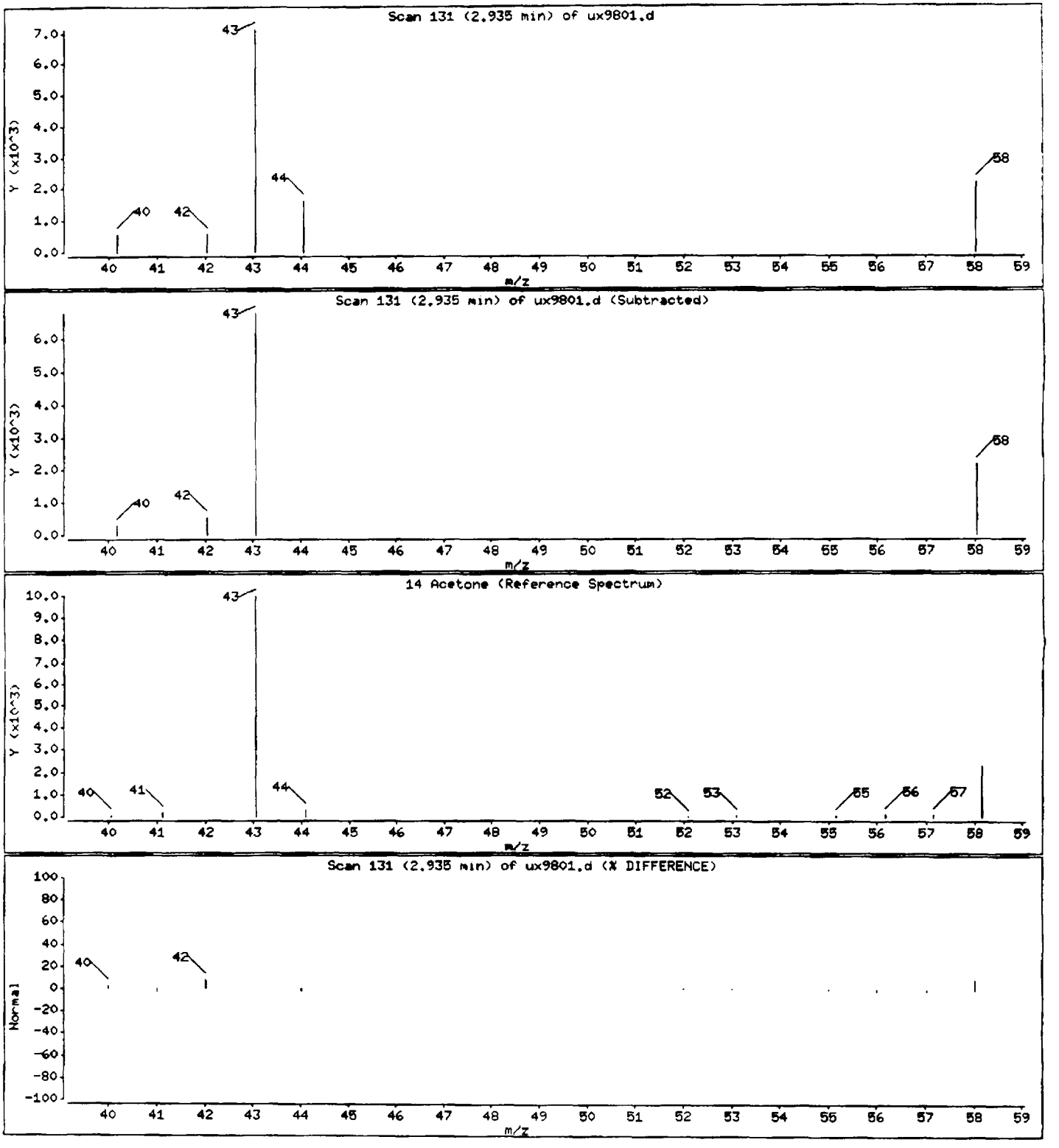
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 3.991 UG/KG



RMT

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

Matrix: (soil/water) SO Lab Sample ID:A0I010248 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 %:22

QC Batch: 0252101

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:A0I010248 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 %:22

QC Batch: 0252101

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:A0I010248 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 %:22

QC Batch: 0252101

Client Sample Id: SL50-4'

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

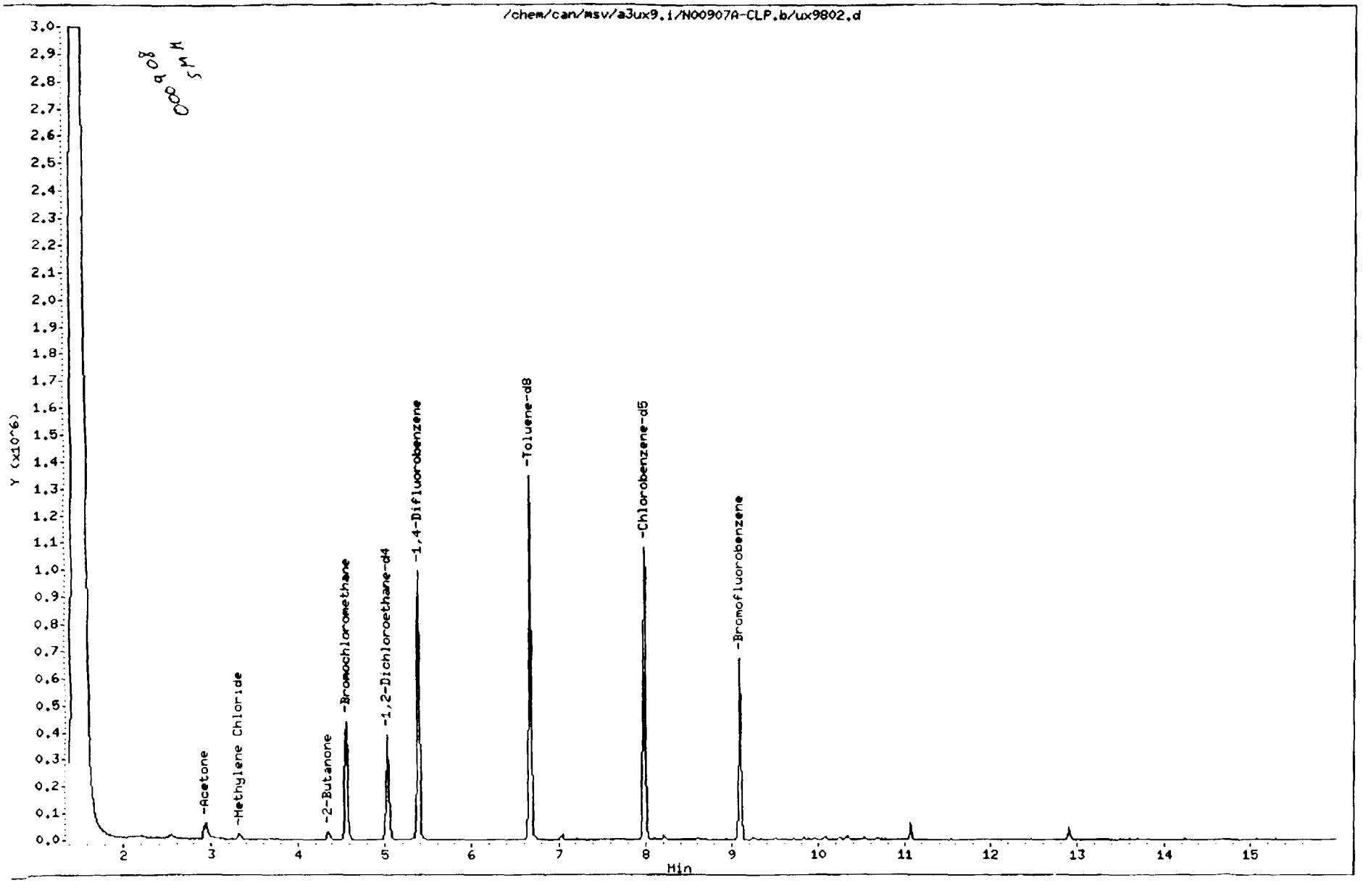
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9802.d
Date : 07-SEP-2000 09:12
Client ID: SL50-4'
Sample Info: DJRND10T,,5G/5ML

Instrument: a3ux9.i
Operator: 01819
Column diameter: 0.53

Column phase: RTX502.2



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 mcdanies 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)	875455	250.000	
* 3 Chlorobenzene-d5	117	7.984	7.985	(1.000)	697068	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	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.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.931	2.932	(0.642)	135707	103.588	20.718
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.322	3.322	(0.728)	8412	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/can/msv/a3ux9.i/N00907A-CLP.b/ux9802.d

Date : 07-SEP-2000 09:12

Client ID: SL50-4'

Instrument: a3ux9.i

Sample Info: DJRND10T,,5G/5ML

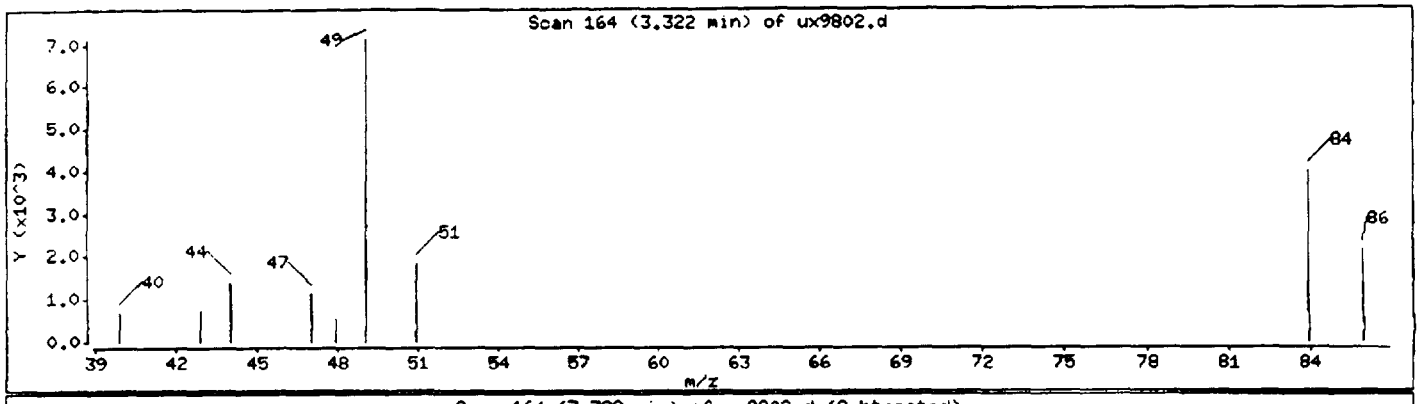
Operator: 01819

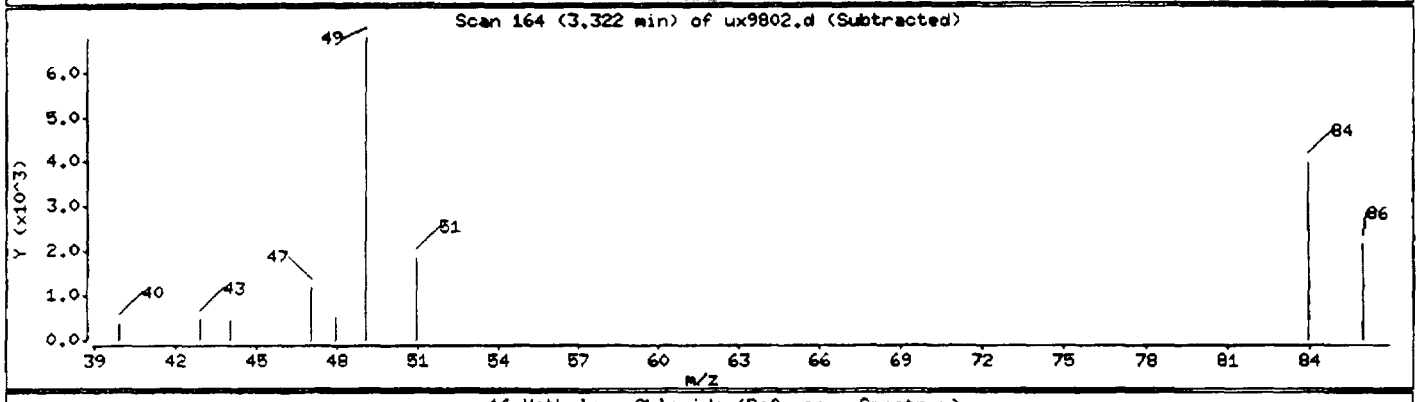
Column phase: RTX502.2

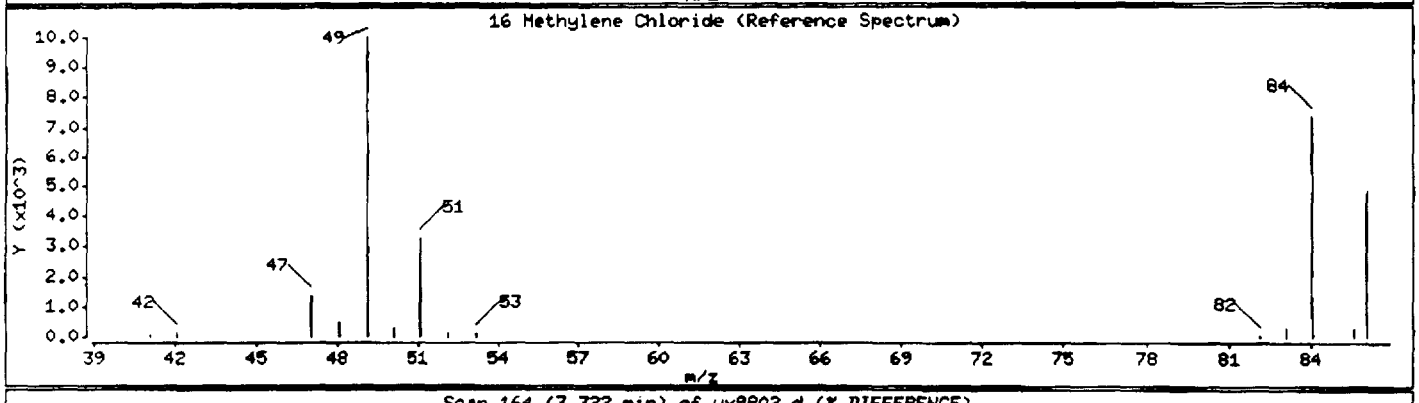
Column diameter: 0.53

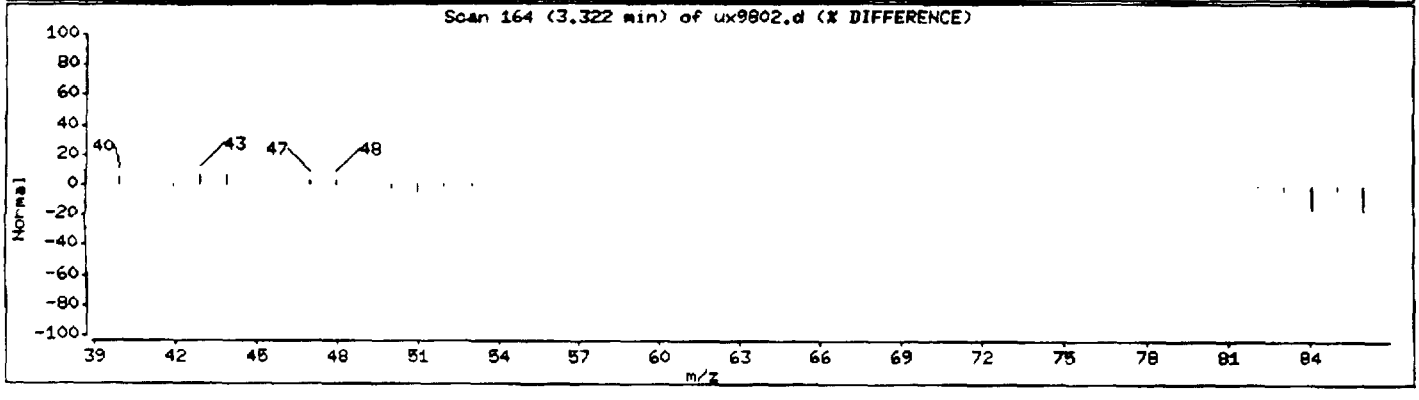
16 Methylene Chloride

Concentration: 1.623 UG/KG









Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9802.d

Date : 07-SEP-2000 09:12

Client ID: SL50-4'

Instrument: a3ux9.i

Sample Info: DJRND10T.,5G/5ML

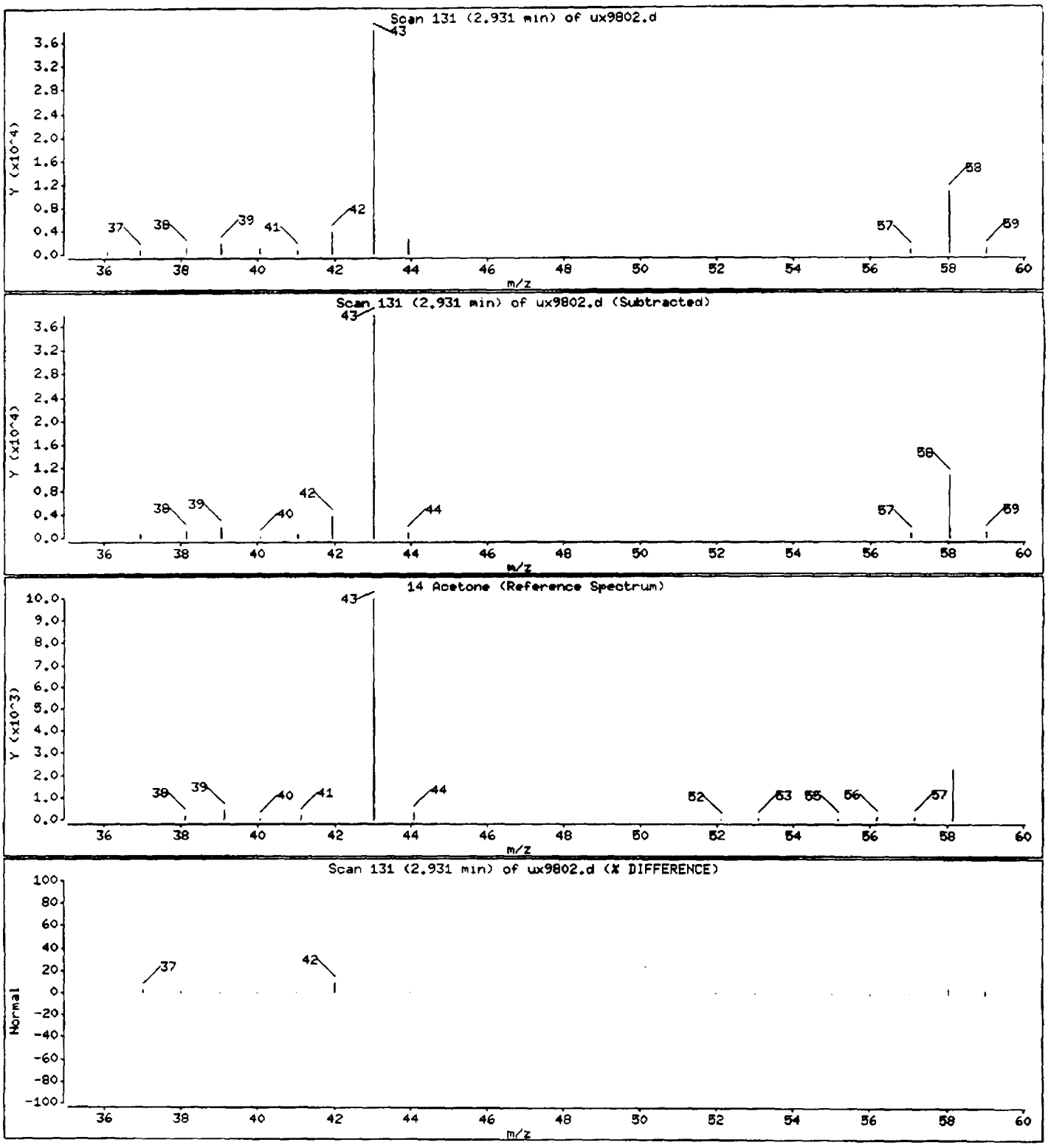
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 20.718 UG/KG



Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9802.d

Date : 07-SEP-2000 09:12

Client ID: SL50-4'

Instrument: a3ux9.i

Sample Info: DJRND10T,,5G/5ML

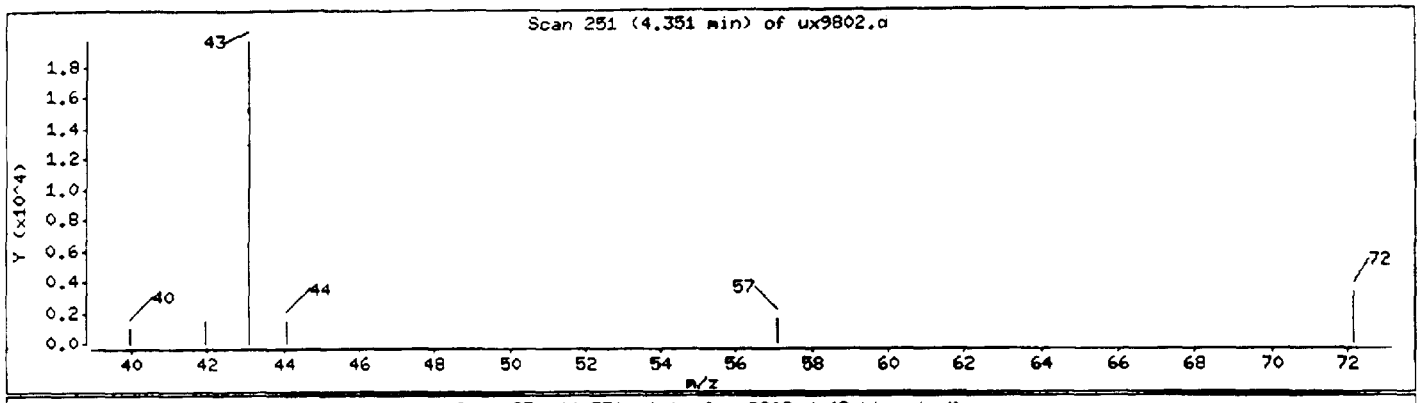
Operator: 01819

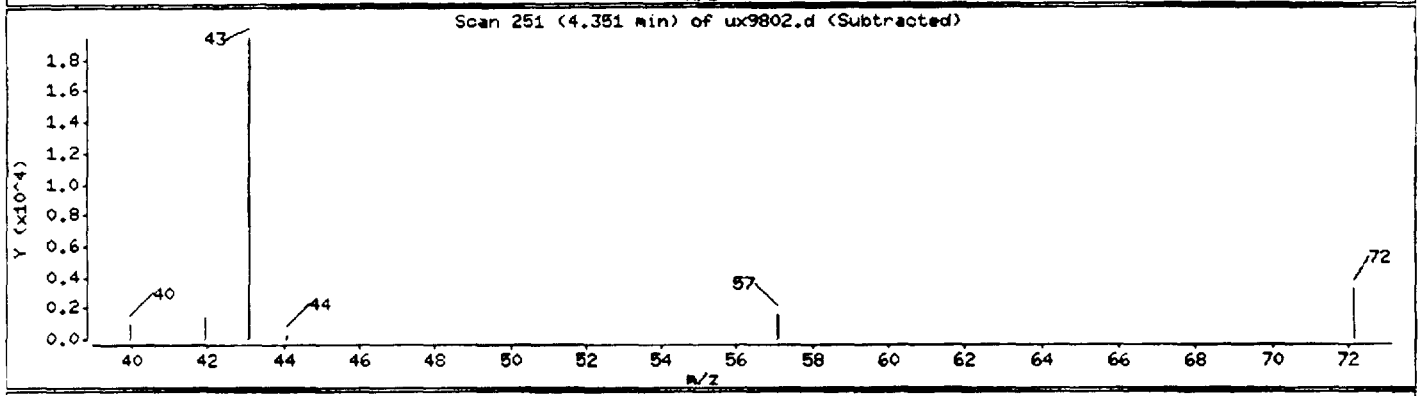
Column phase: RTX502.2

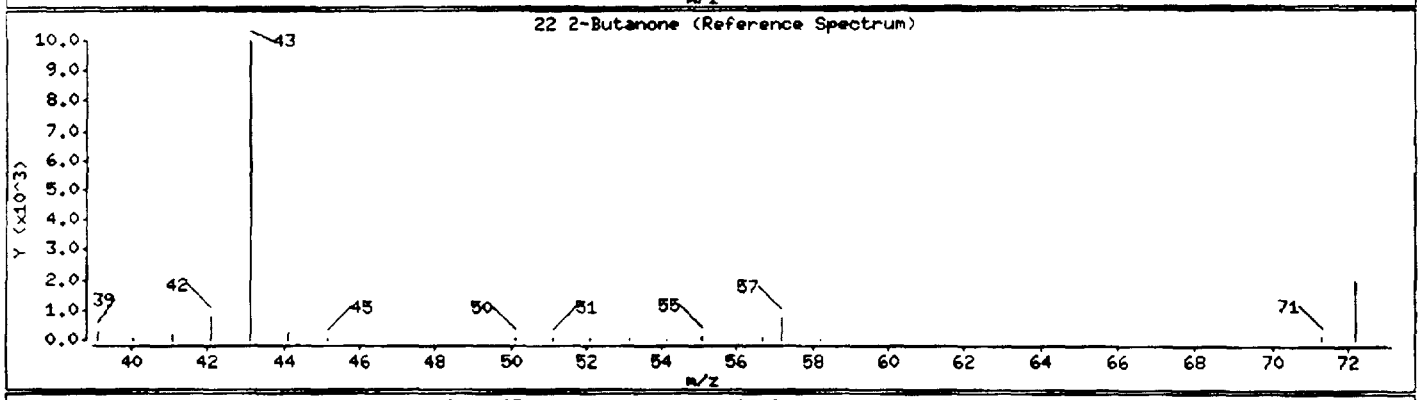
Column diameter: 0.53

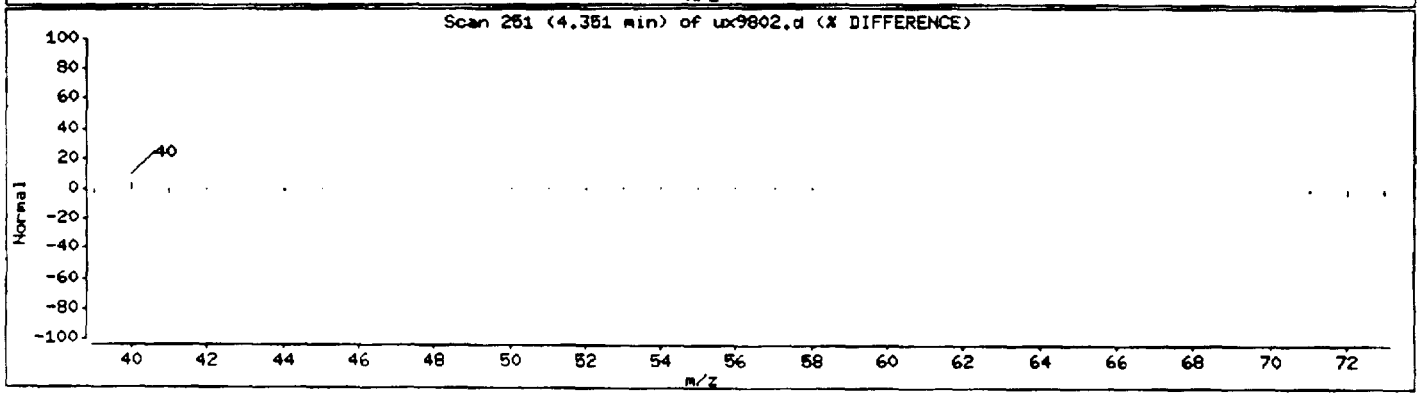
22 2-Butanone

Concentration: 6.198 UG/KG









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
74-87-3	Chloromethane	26	U
74-83-9	Bromomethane	26	U
75-01-4	Vinyl chloride	26	U
75-00-3	Chloroethane	26	U
75-09-2	Methylene chloride	26	U
67-64-1	**Acetone**	**15**	**J B**
75-15-0	Carbon disulfide	26	U
75-35-4	1,1-Dichloroethene	26	U
75-34-3	1,1-Dichloroethane	26	U
540-59-0	1,2-Dichloroethene (total)	26	U
67-66-3	Chloroform	26	U
107-06-2	1,2-Dichloroethane	26	U
78-93-3	**2-Butanone**	**3.8**	**J**
71-55-6	1,1,1-Trichloroethane	26	U
56-23-5	Carbon tetrachloride	26	U
75-27-4	Bromodichloromethane	26	U
78-87-5	1,2-Dichloropropane	26	U
10061-01-5	cis-1,3-Dichloropropene	26	U
79-01-6	Trichloroethene	26	U
124-48-1	Dibromochloromethane	26	U
79-00-5	1,1,2-Trichloroethane	26	U
71-43-2	Benzene	26	U
10061-02-6	trans-1,3-Dichloropropene	26	U
75-25-2	Bromoform	26	U
108-10-1	4-Methyl-2-pentanone	26	U
591-78-6	2-Hexanone	26	U
127-18-4	Tetrachloroethene	26	U
79-34-5	1,1,2,2-Tetrachloroethane	26	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

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9803.d

Date : 07-SEP-2000 09:35

Client ID: SL51-6"

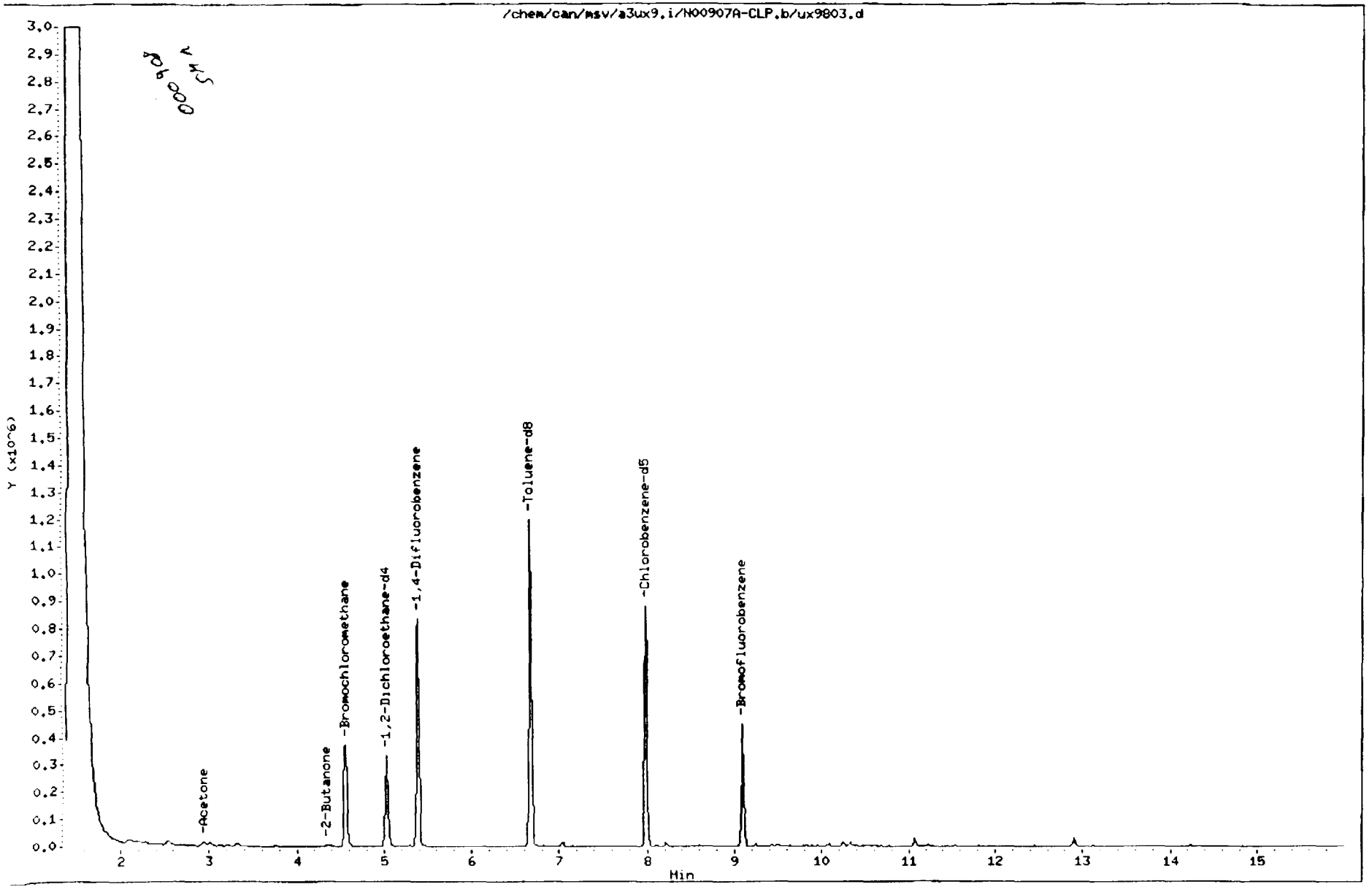
Sample Info: DJRNG10T,,5G/5ML

Column phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819

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/ux9803.d
Lab Smp Id: DJRNG10T Client Smp ID: SL51-6"
Inj Date : 07-SEP-2000 09:35
Operator : 01819 Inst ID: a3ux9.i
Smp Info : DJRNG10T,,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: 10
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)	117644	250.000	
* 2 1,4-Difluorobenzene	114	5.394	5.393	(1.000)	779235	250.000	
* 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	540497	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.028	5.038	(1.101)	246610	246.074	49.215
$ 5 Toluene-d8	98	6.672	6.671	(0.836)	813581	292.060	58.412
$ 6 Bromofluorobenzene	95	9.098	9.097	(1.139)	166142	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.					
14 Acetone	43	2.945	2.932	(0.645)	33554	27.9112	5.582
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)	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/a3ux9.i/N00907A-CLP.b/ux9803.d

Date : 07-SEP-2000 09:35

Client ID: SL51-6"

Instrument: a3ux9.i

Sample Info: DJRNG10T,,5G/5ML

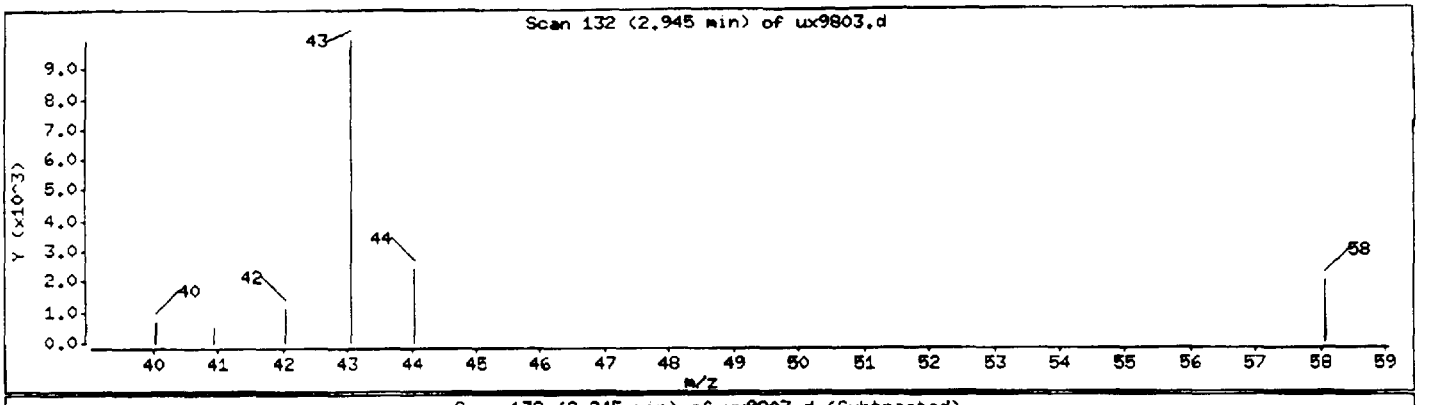
Operator: 01819

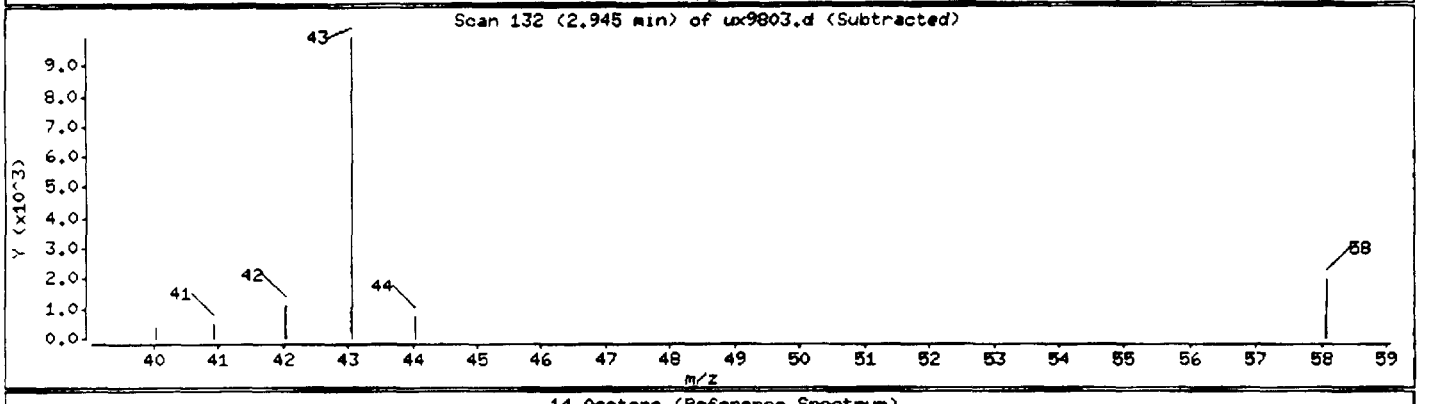
Column phase: RTX502.2

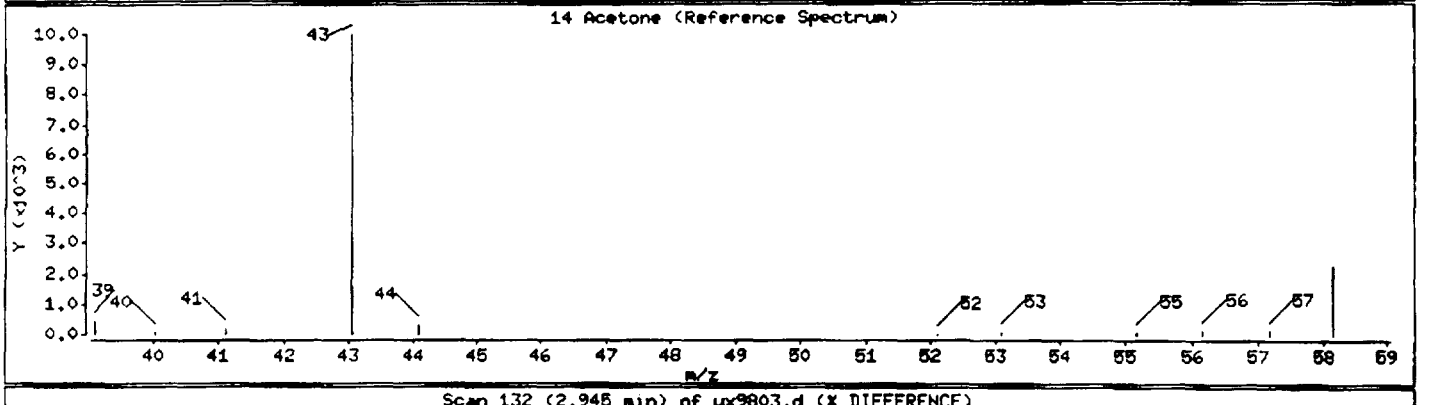
Column diameter: 0.53

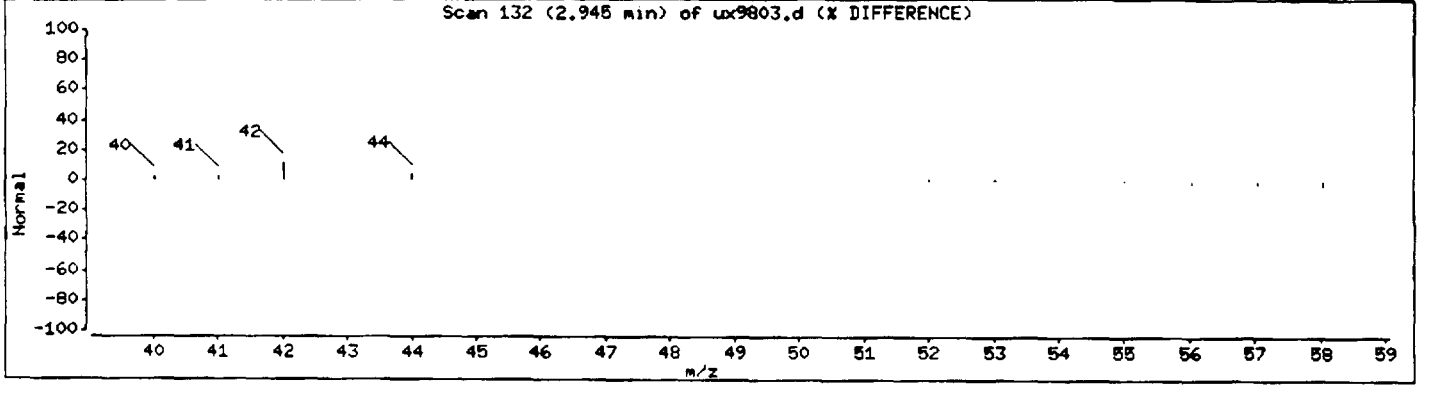
14 Acetone

Concentration: 5.582 UG/KG









Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9803.d

Date : 07-SEP-2000 09:35

Client ID: SL51-6"

Instrument: a3ux9.i

Sample Info: DJRNG10T,,5G/5ML

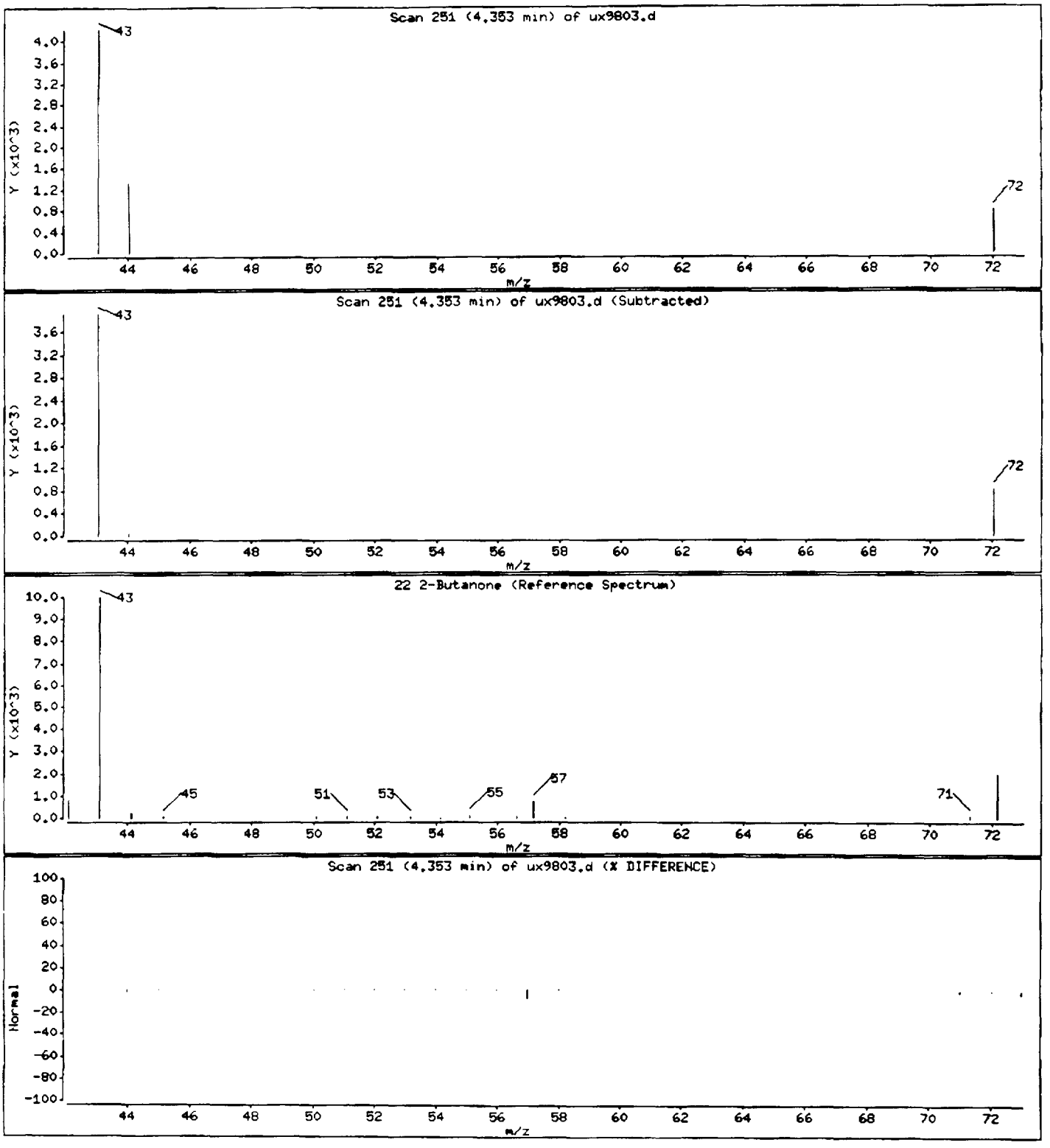
Operator: 01819

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: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'

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**	**38**	**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**	**7.8**	**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

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: DJRNK10T Date Extracted:09/07/00
Dilution factor: 1 Date Analyzed: 09/07/00
Moisture %:27

QC Batch: 0252101

Client Sample Id: SL51-4'

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

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'

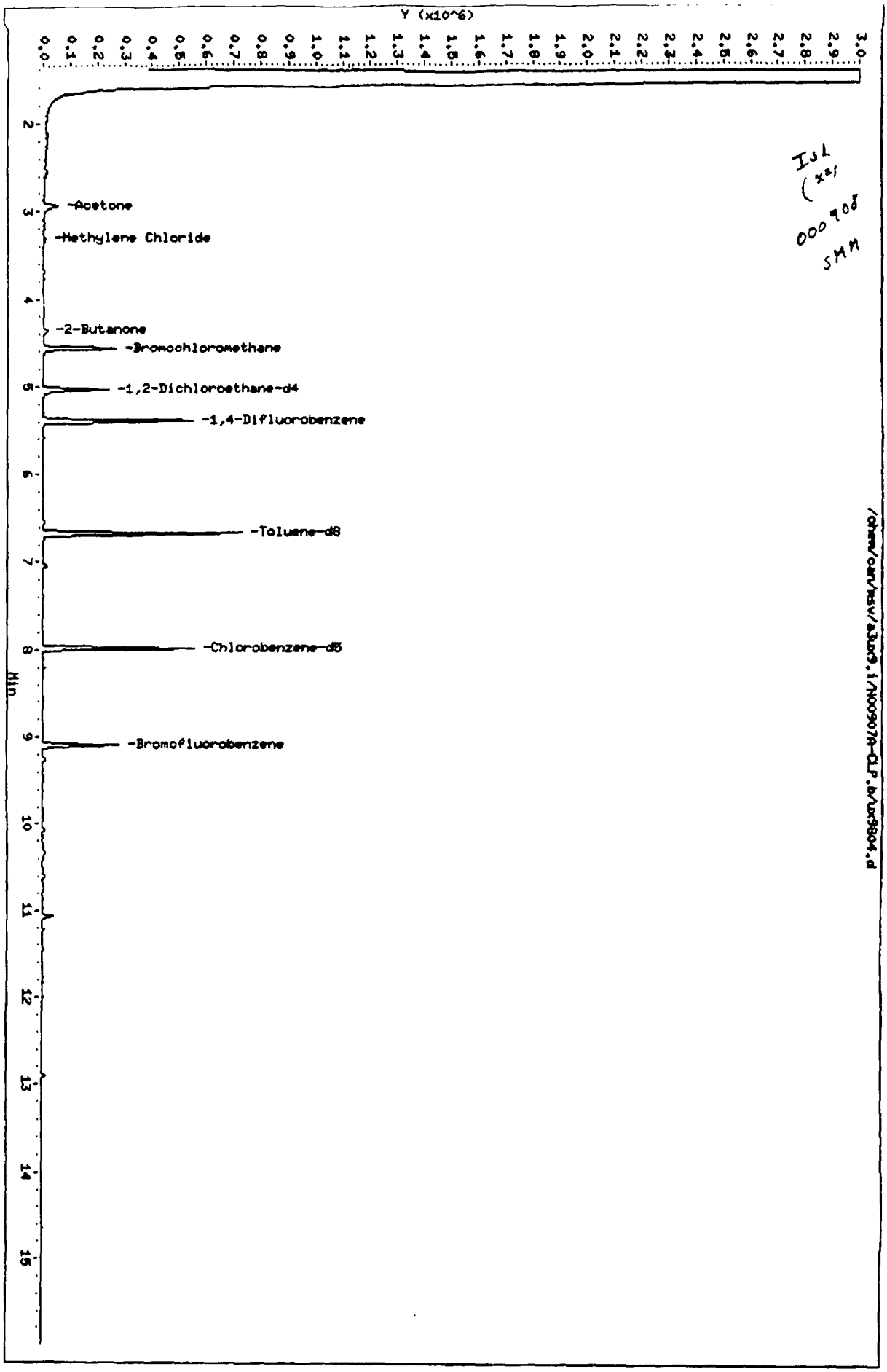
(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: /chem/can/msv/a3ux9.i/N009907A-CLP.b/ux9804.d
Date : 07-SEP-2000 09:57
Client ID: SL51-4'
Sample Info: BJRNK10T,,5G/5ML
Column phase: RTX502.2

Instrument: a3ux9.i
Operator: 01819
Column diameter: 0.53



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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 ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.566	4.565	(1.000)	79257	250.000	
* 2 1,4-Difluorobenzene	114	5.394	5.393	(1.000)	487129	250.000	
* 3 Chlorobenzene-d5	117	7.985	7.985	(1.000)	333693	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.039	5.038	(1.104)	169517	251.073	50.214
$ 5 Toluene-d8	98	6.672	6.671	(0.836)	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.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.933	2.932	(0.642)	113470	140.103	28.020
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.311	3.322	(0.725)	3474	5.42176	1.084
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)	27673	28.4816	5.696
	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/oan/msv/a3ux9.i/N00907A-CLP.b/ux9804.d

Date : 07-SEP-2000 09:57

Client ID: SL51-4'

Instrument: a3ux9.i

Sample Info: DJRNK10T,,5G/5ML

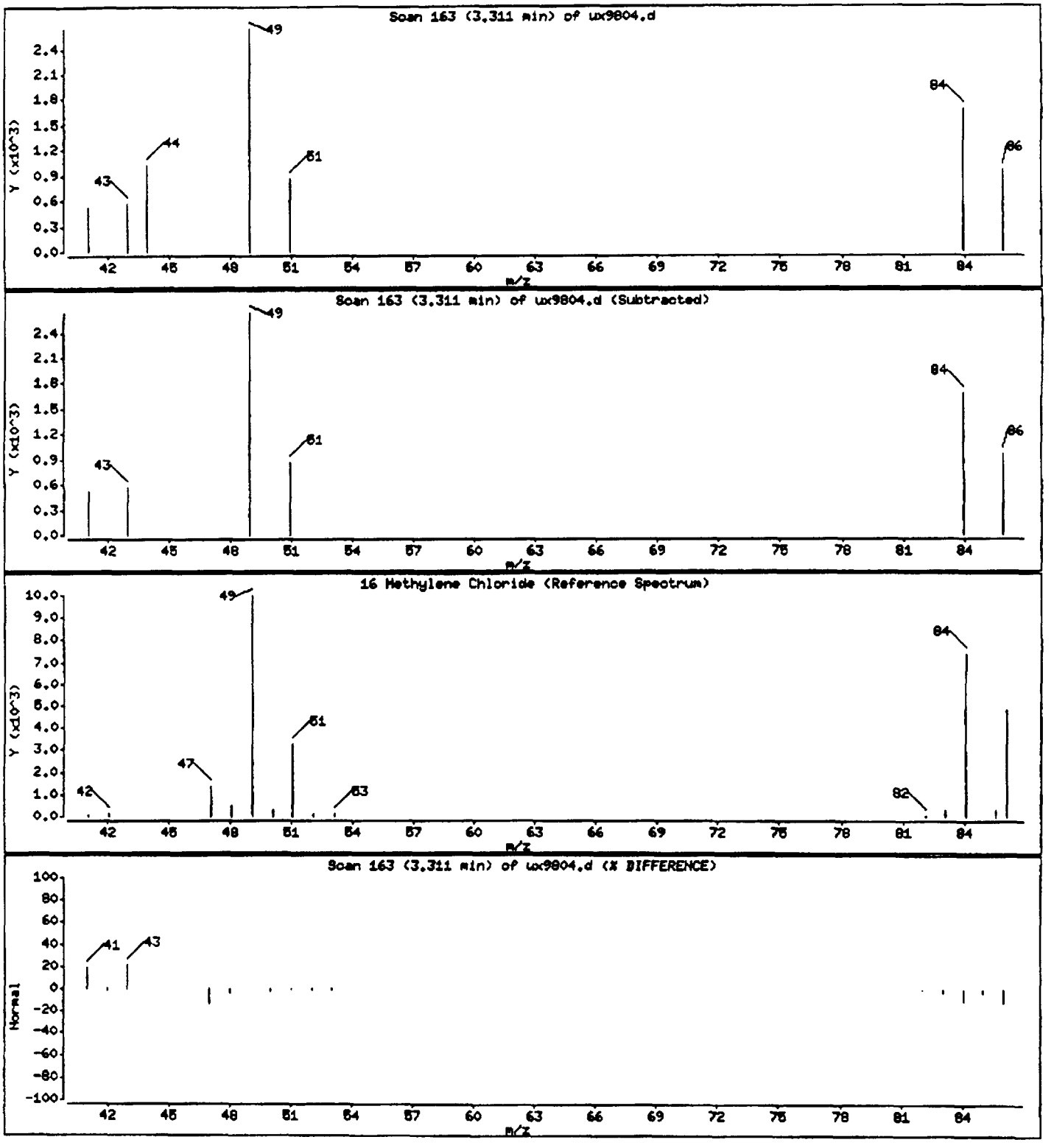
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.084 UG/KG



Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9804.d

Date : 07-SEP-2000 09:57

Client ID: SL51-4'

Instrument: a3ux9.i

Sample Info: DJRNK10T,,5G/5ML

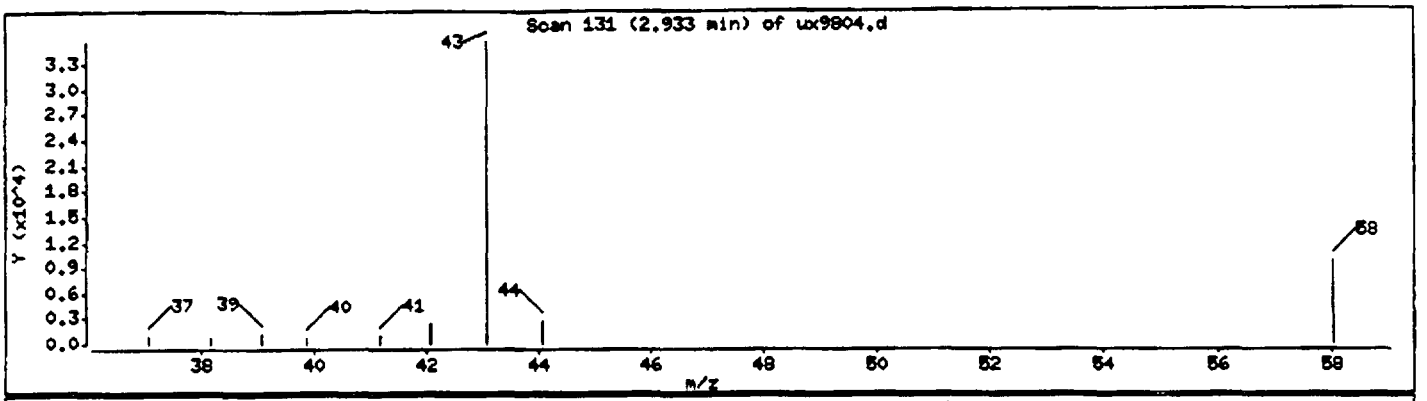
Operator: 01819

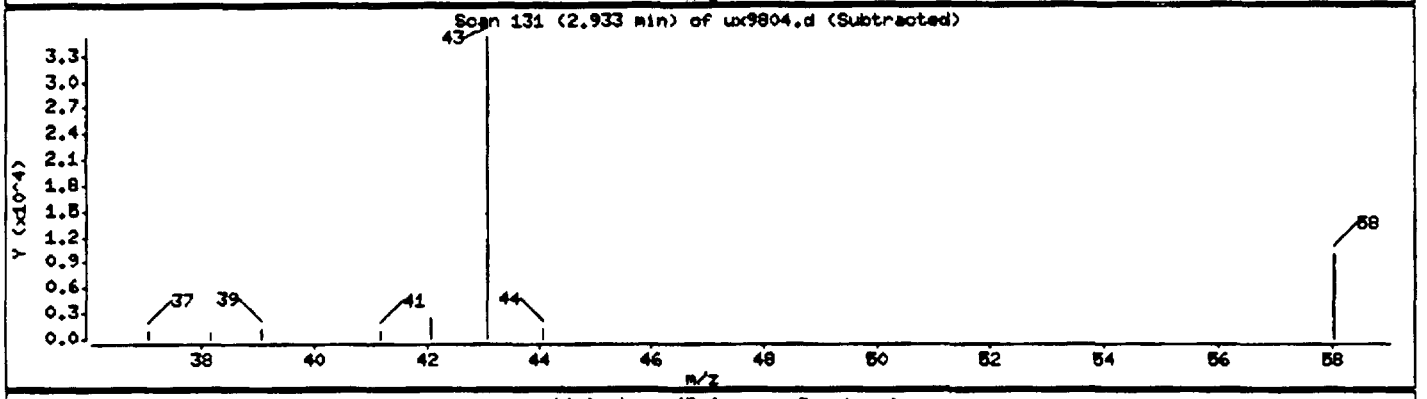
Column phase: RTX502.2

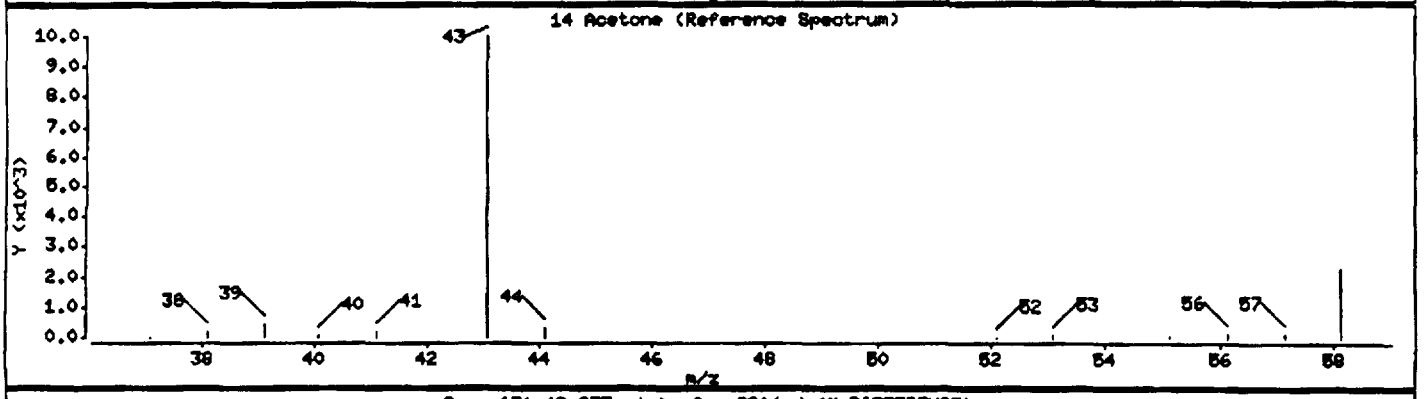
Column diameter: 0.53

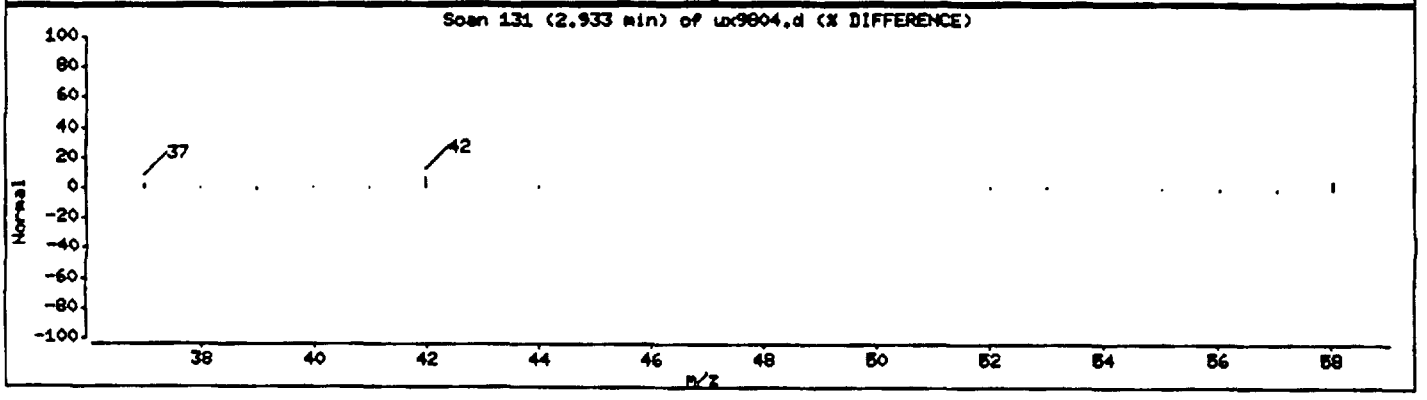
14 Acetone

Concentration: 28.020 UG/KG









Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9804.d

Date : 07-SEP-2000 09:57

Client ID: SL51-4'

Instrument: a3ux9.i

Sample Info: DJRNK10T,,5G/5ML

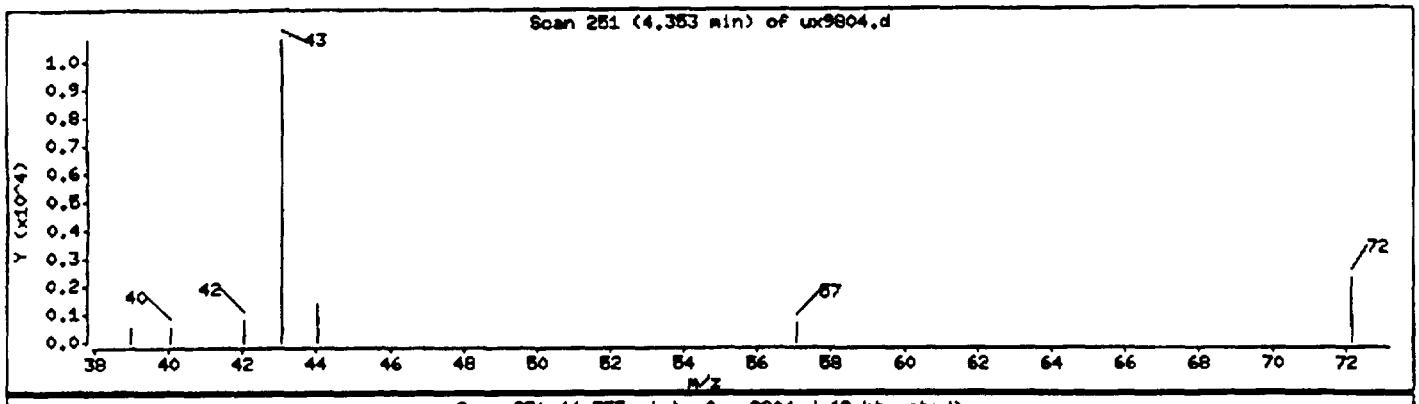
Operator: 01819

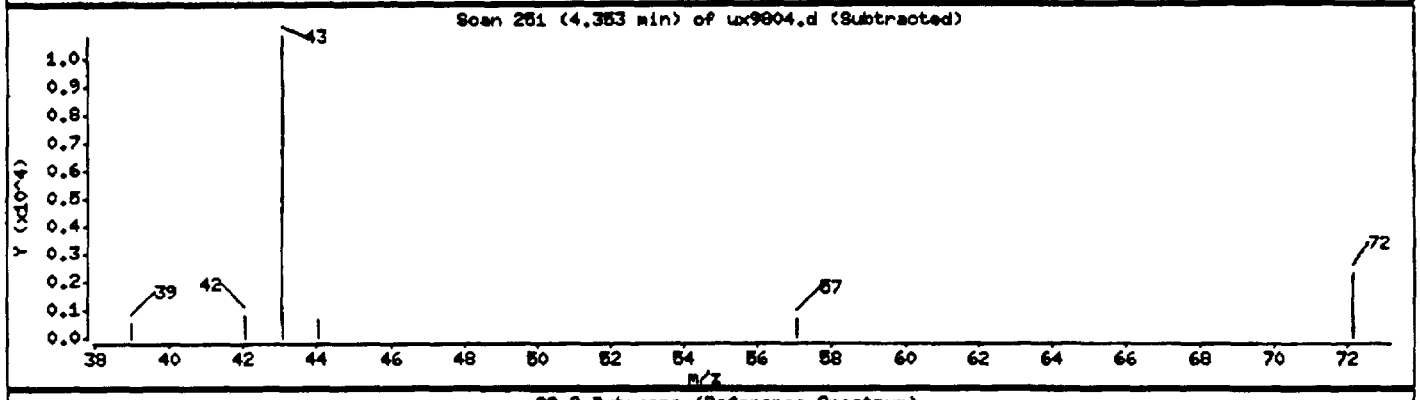
Column phase: RTX502.2

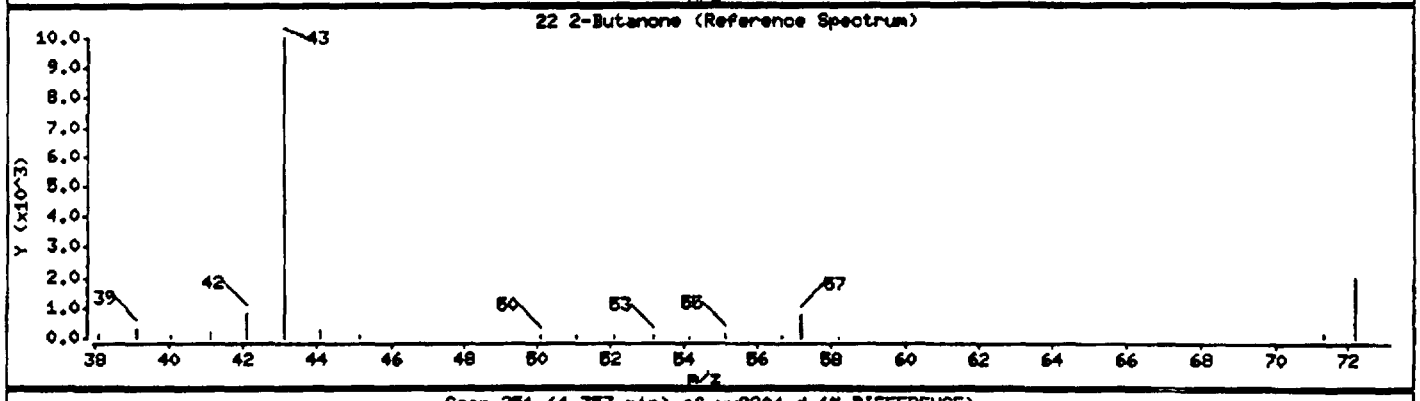
Column diameter: 0.53

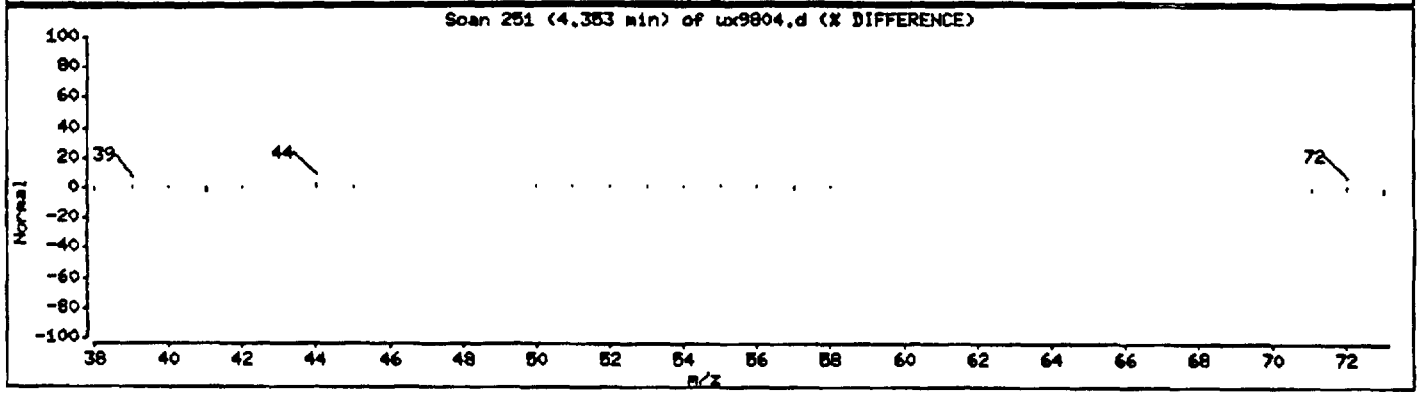
22 2-Butanone

Concentration: 5.696 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: 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

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 Analyzed: 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: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9812.d

Page 6

Date : 07-SEP-2000 13:08

Client ID: SLB1-4'

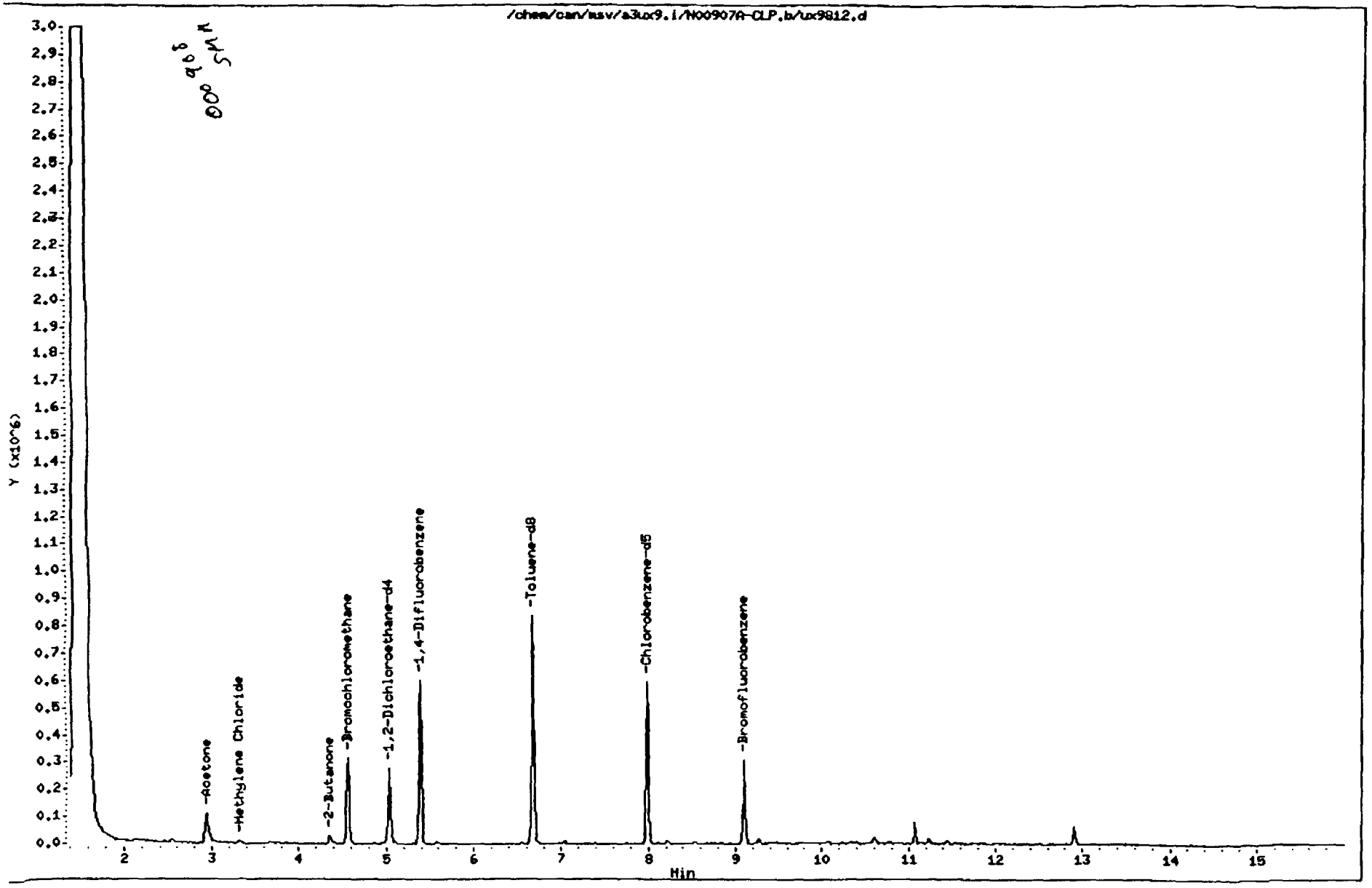
Instrument: a3ux9.i

Sample Info: DJRNK20T,,5G/5ML

Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53



STL North Canton

60

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

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)	87017	250.000	
* 2 1,4-Difluorobenzene	114	5.395	5.393	(1.000)	537250	250.000	
* 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	361813	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.040	5.038	(1.104)	190736	257.308	70.493
$ 5 Toluene-d8	98	6.673	6.671	(0.836)	576833	309.336	84.747
$ 6 Bromofluorobenzene	95	9.098	9.097	(1.139)	111096	173.541	47.544
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	2.932	(0.645)	227967	256.372	70.237
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.324	3.322	(0.728)	3642	5.17707	1.418
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	4.354	4.352	(0.953)	53118	49.7947	13.642
	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/ux9812.d

Date : 07-SEP-2000 13:08

Client ID: SL51-4'

Instrument: a3ux9.i

Sample Info: DJRNK20T,,5G/5HL

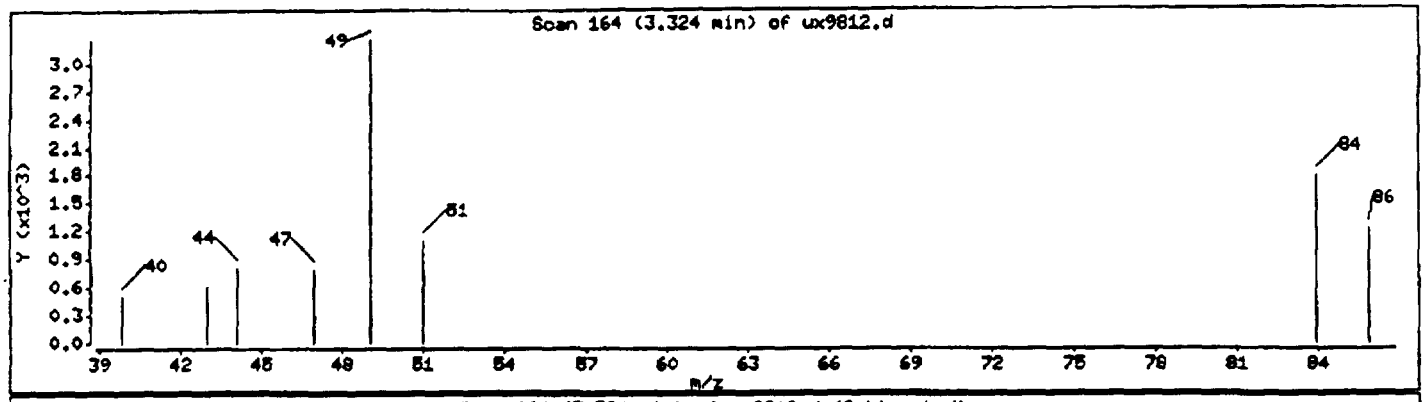
Operator: 01819

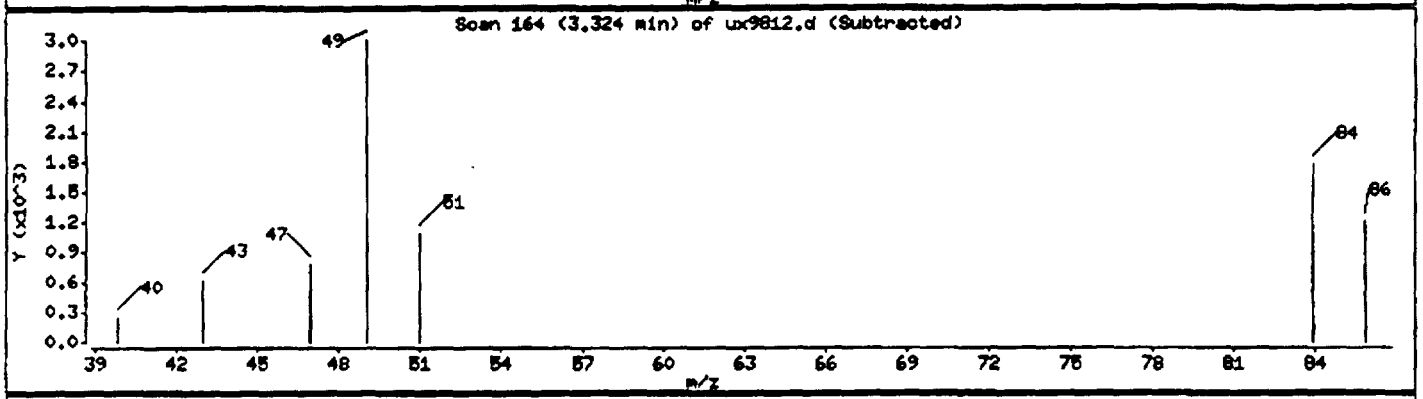
Column phase: RTX502.2

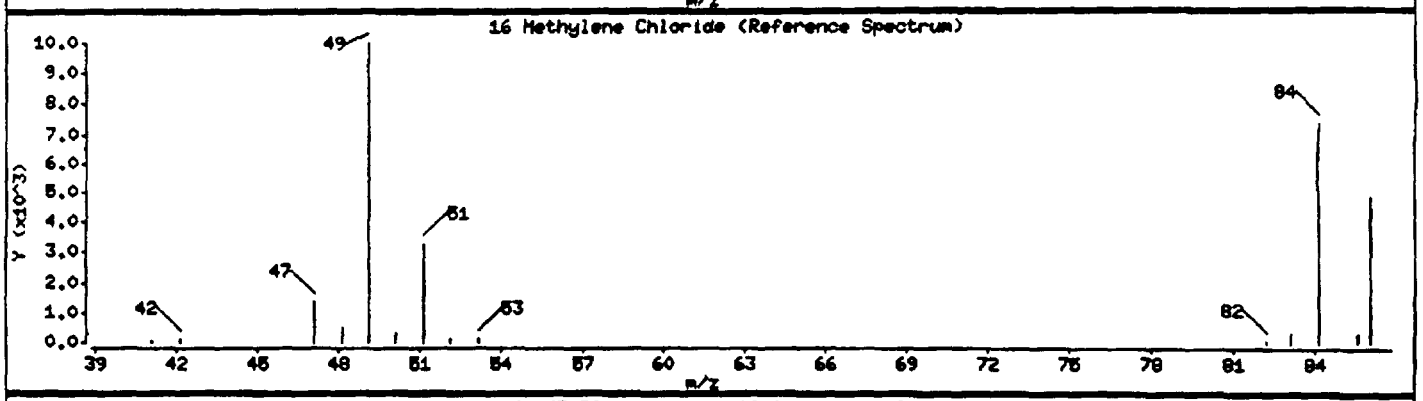
Column diameter: 0.53

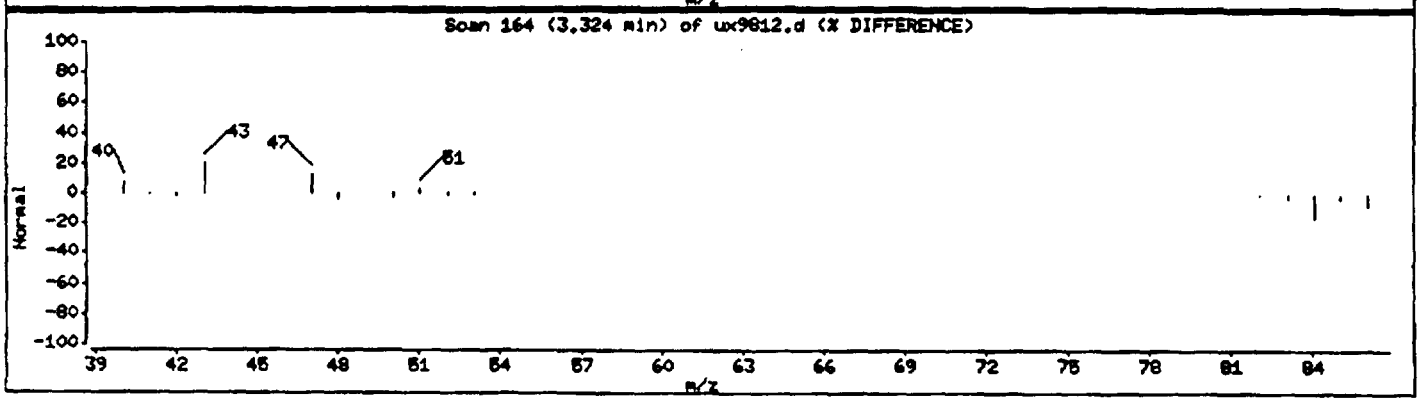
16 Methylene Chloride

Concentration: 1.418 UG/KG









Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9812.d

Date : 07-SEP-2000 13:08

Client ID: SL51-4'

Instrument: a3ux9.i

Sample Info: DJRNK20T,,5G/5HL

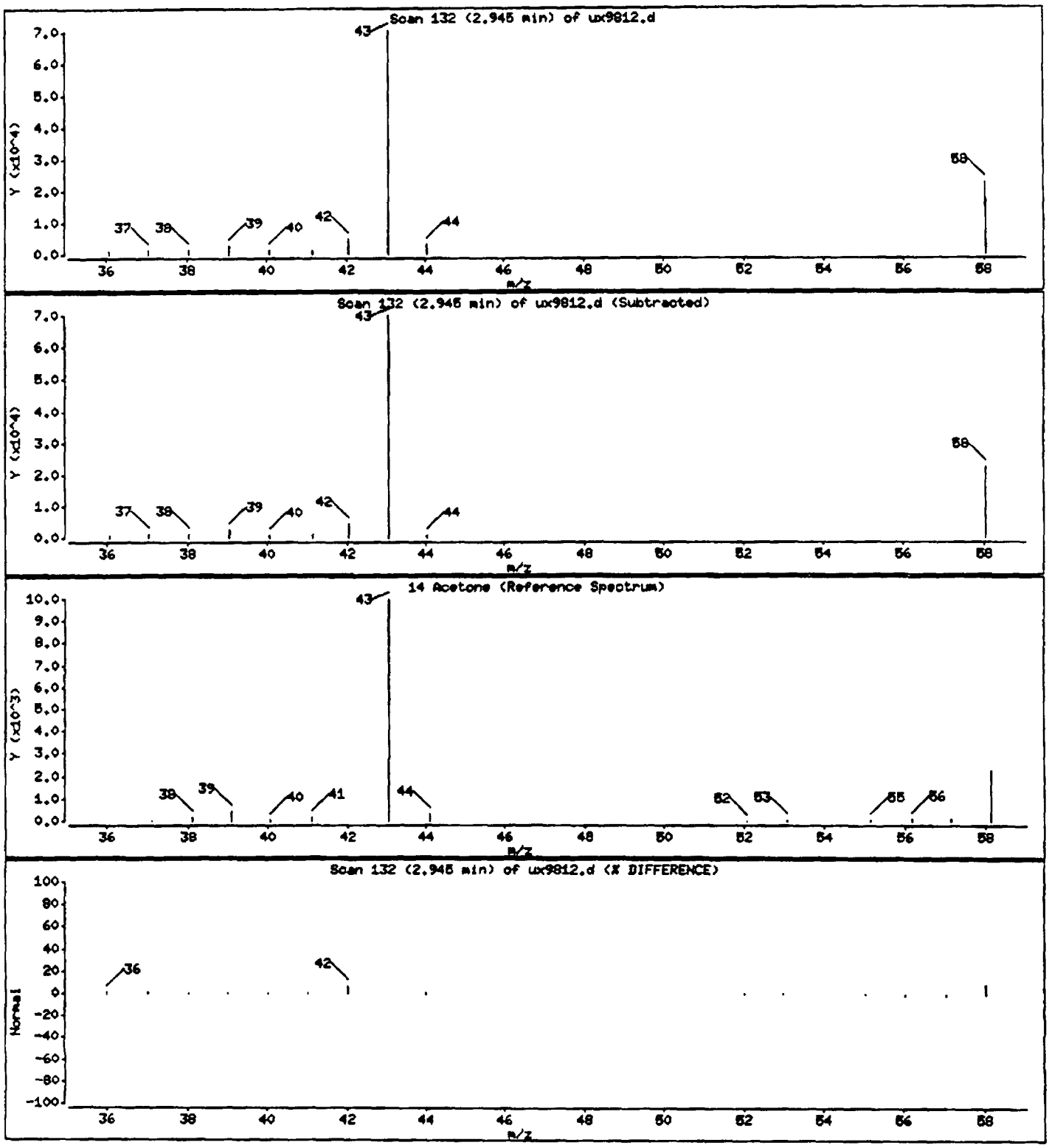
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 70.237 UG/KG



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Date : 07-SEP-2000 13:08

Client ID: SL51-4'

Instrument: a3ux9.i

Sample Info: DJRNK20T,,5G/5ML

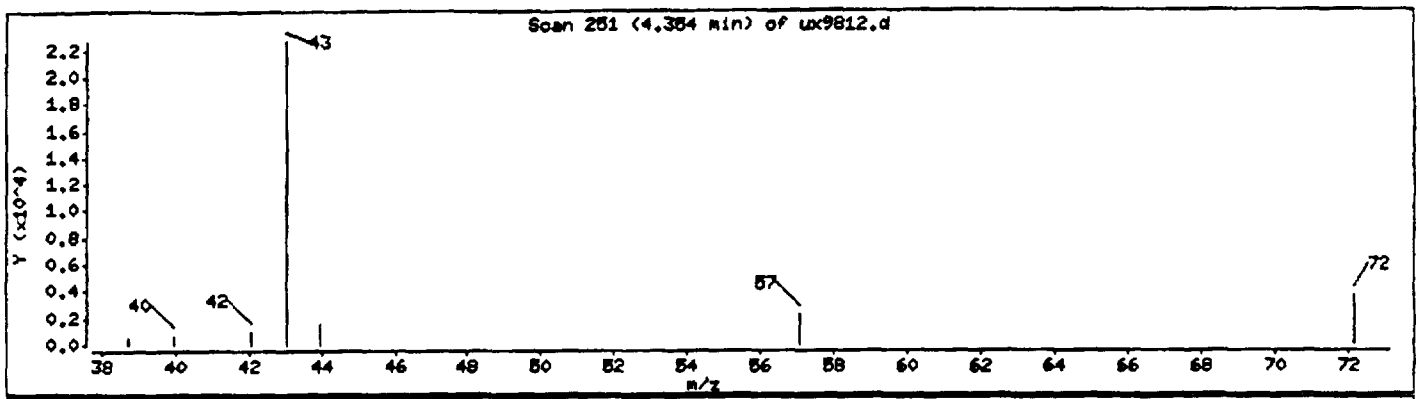
Operator: 01819

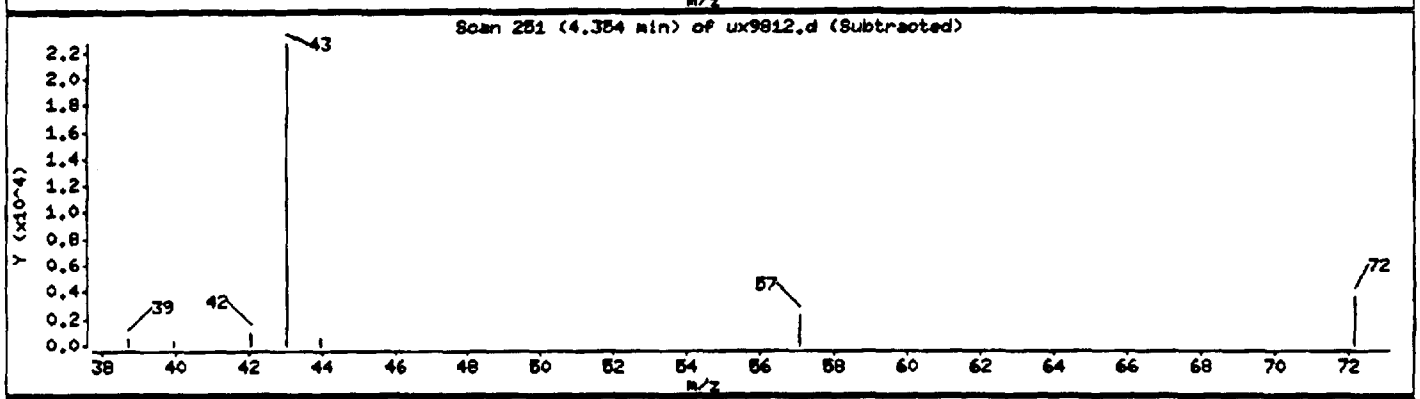
Column phase: RTX502.2

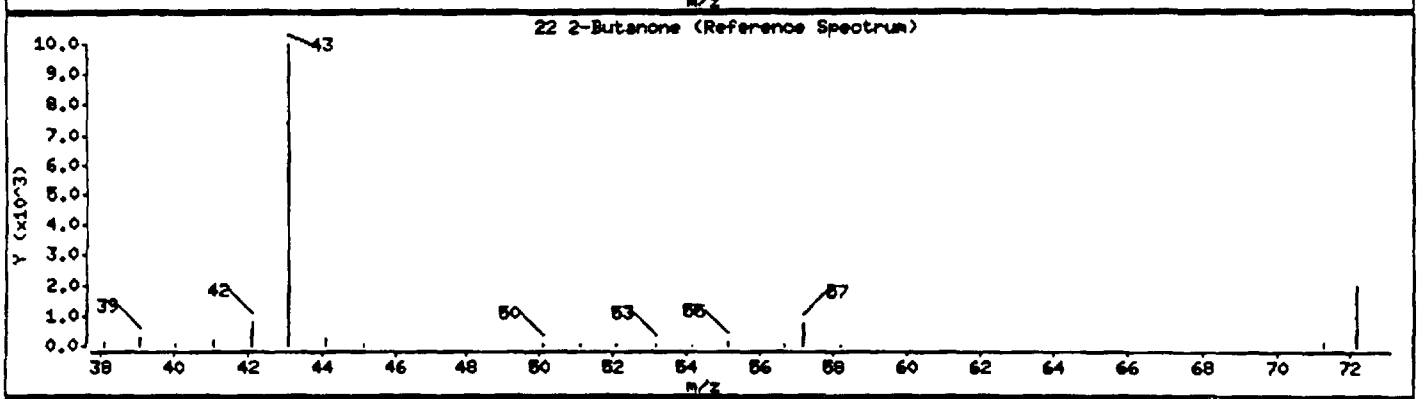
Column diameter: 0.53

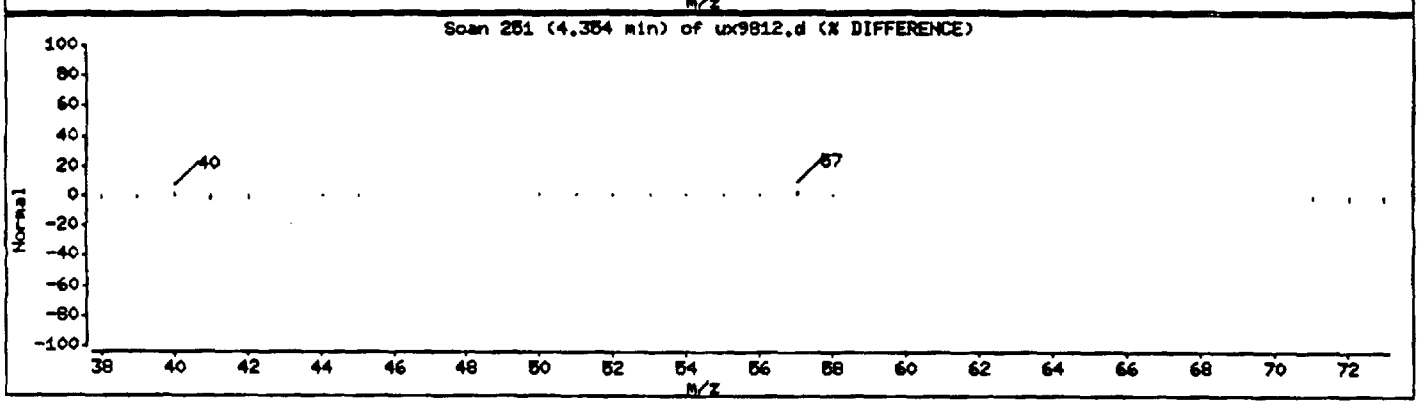
22 2-Butanone

Concentration: 13.642 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

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(UG/KG)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.075	136566	29.9896223	8.216	0		0	3

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9812.d

Date : 07-SEP-2000 13:08

Client ID: SL61-4'

Instrument: a3ux9.i

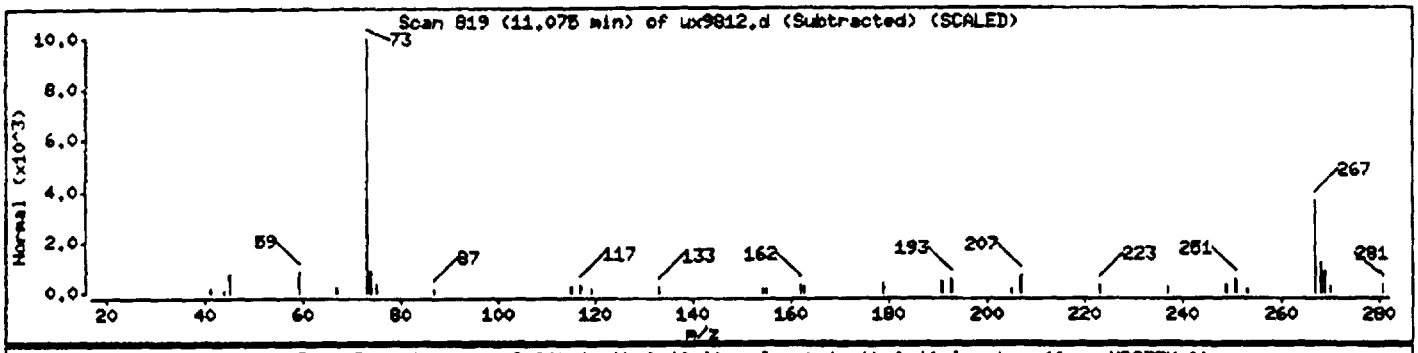
Sample Info: DJRNK20T,,8C/8HL

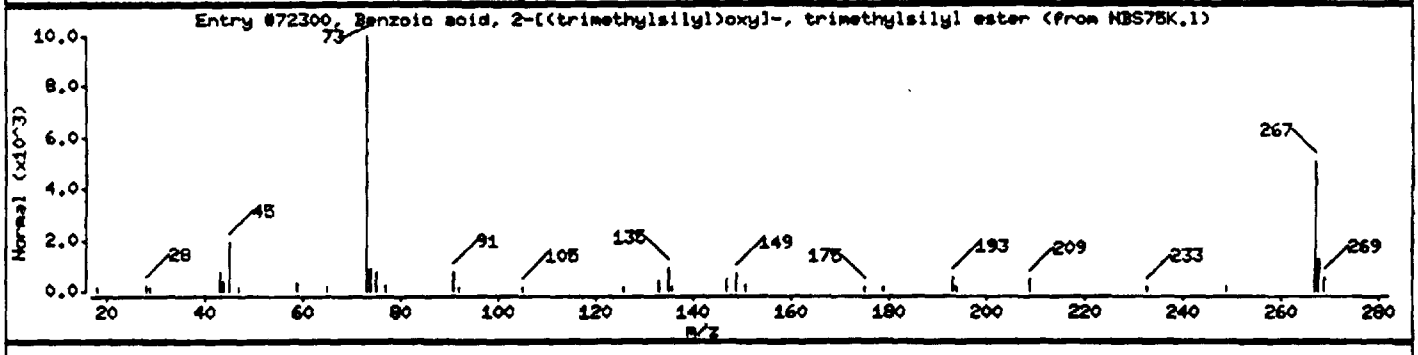
Operator: 01819

Column phase: RTX502.2

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.l	72300	50	C13H22O3Si2	282





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: DJRNM10T 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	4.1	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: DJRNM10T 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: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: 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: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9805.d

Date : 07-SEP-2000 10:20

Client ID: SL52-6"

Sample Info: DJRN#10T,,5G/5ML

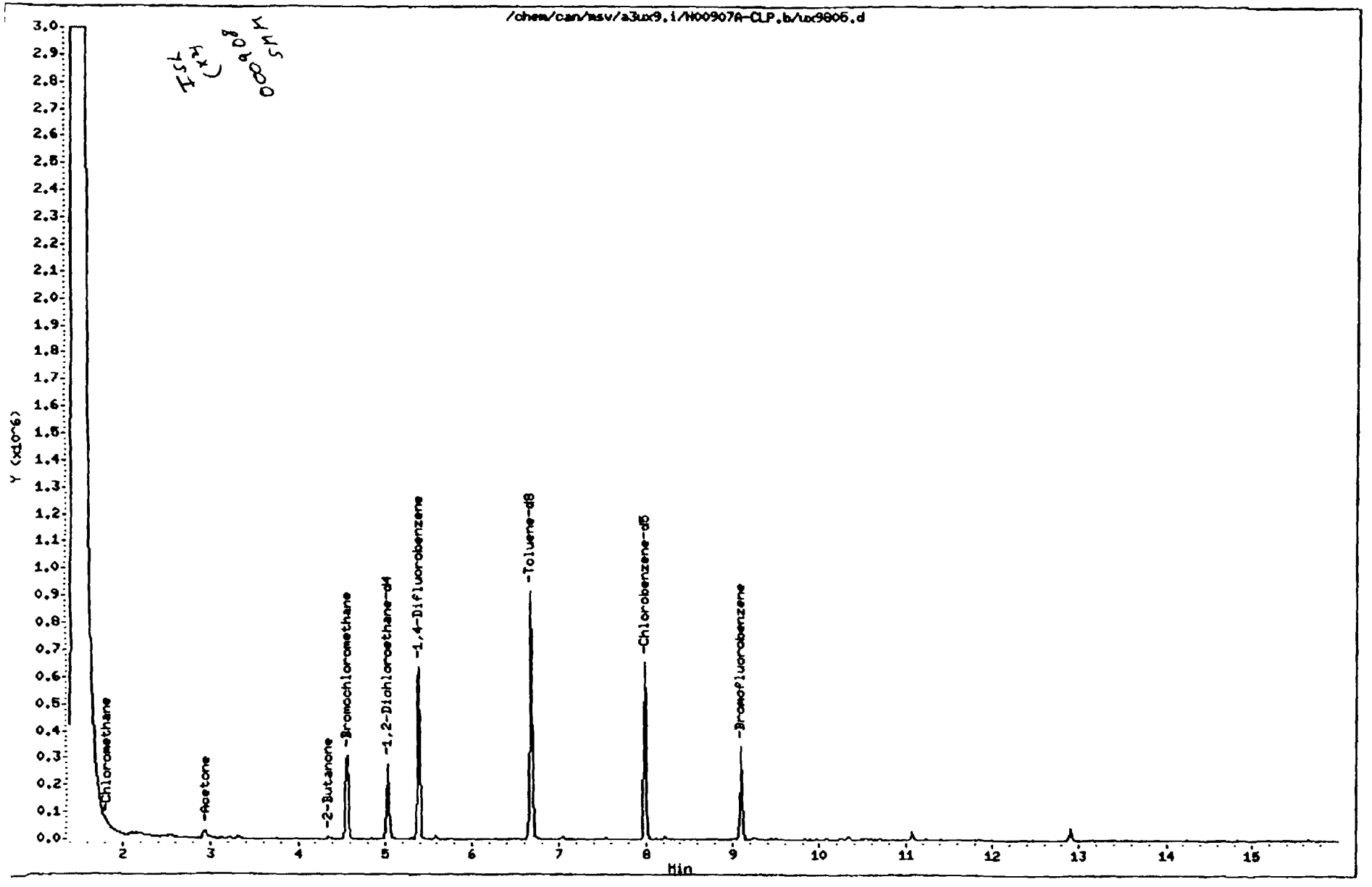
Column phase: RTX502.2

Page 6

Instrument: a3ux9.i

Operator: 01819

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/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)	393622	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.040	5.038	(1.104)	195511	255.646	51.129
$ 5 Toluene-d8	98	6.673	6.671	(0.836)	618043	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-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.945	2.932	(0.645)	65305	71.1860	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	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/ux9805.d

Date : 07-SEP-2000 10:20

Client ID: SL52-6"

Instrument: a3ux9.i

Sample Info: DJRN#10T,,5G/5ML

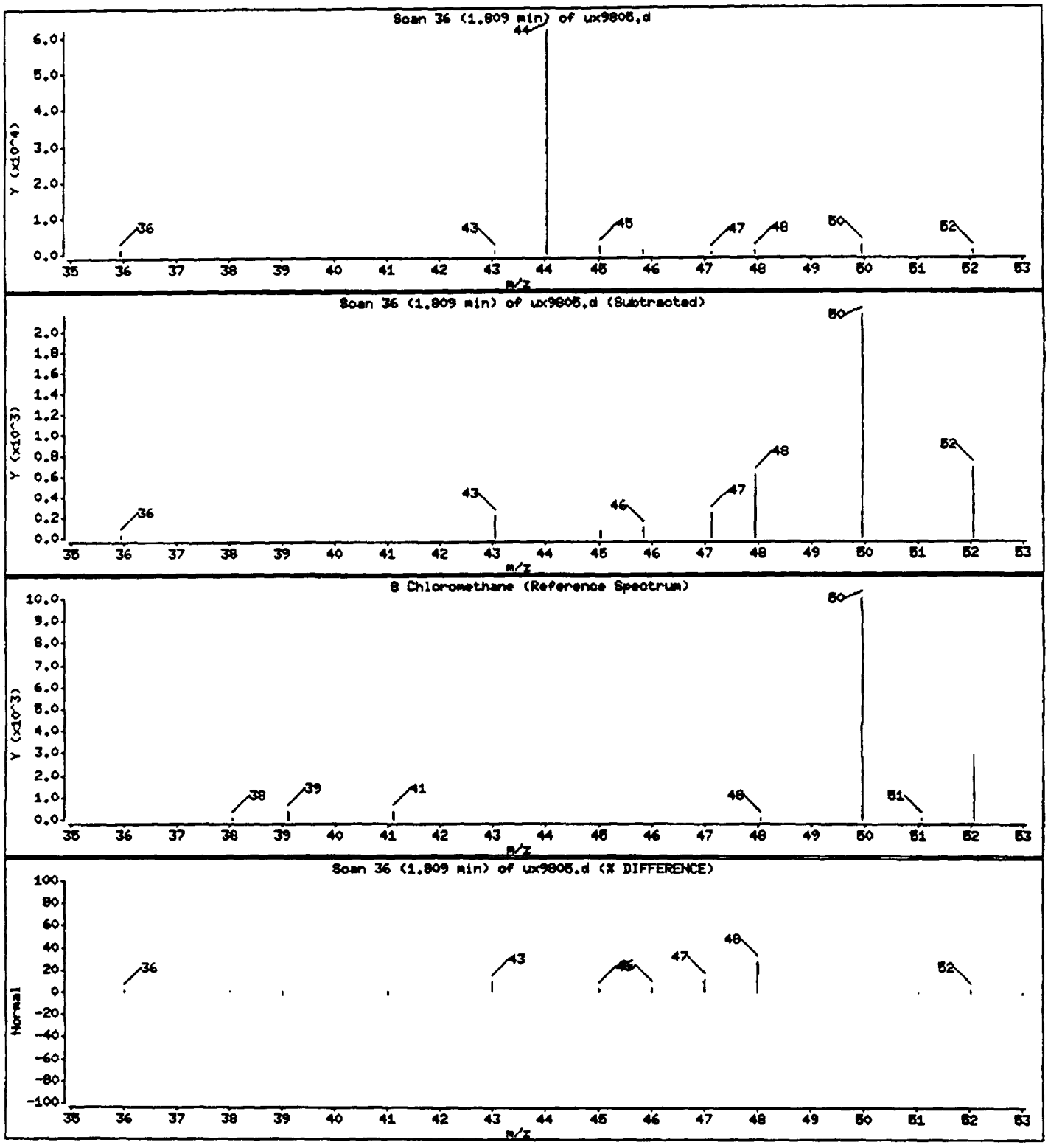
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

8 Chloromethane

Concentration: 1.803 UG/KG



Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9805.d

Date : 07-SEP-2000 10:20

Client ID: SL52-6"

Instrument: a3ux9.i

Sample Info: DJRNH10T,,5G/5ML

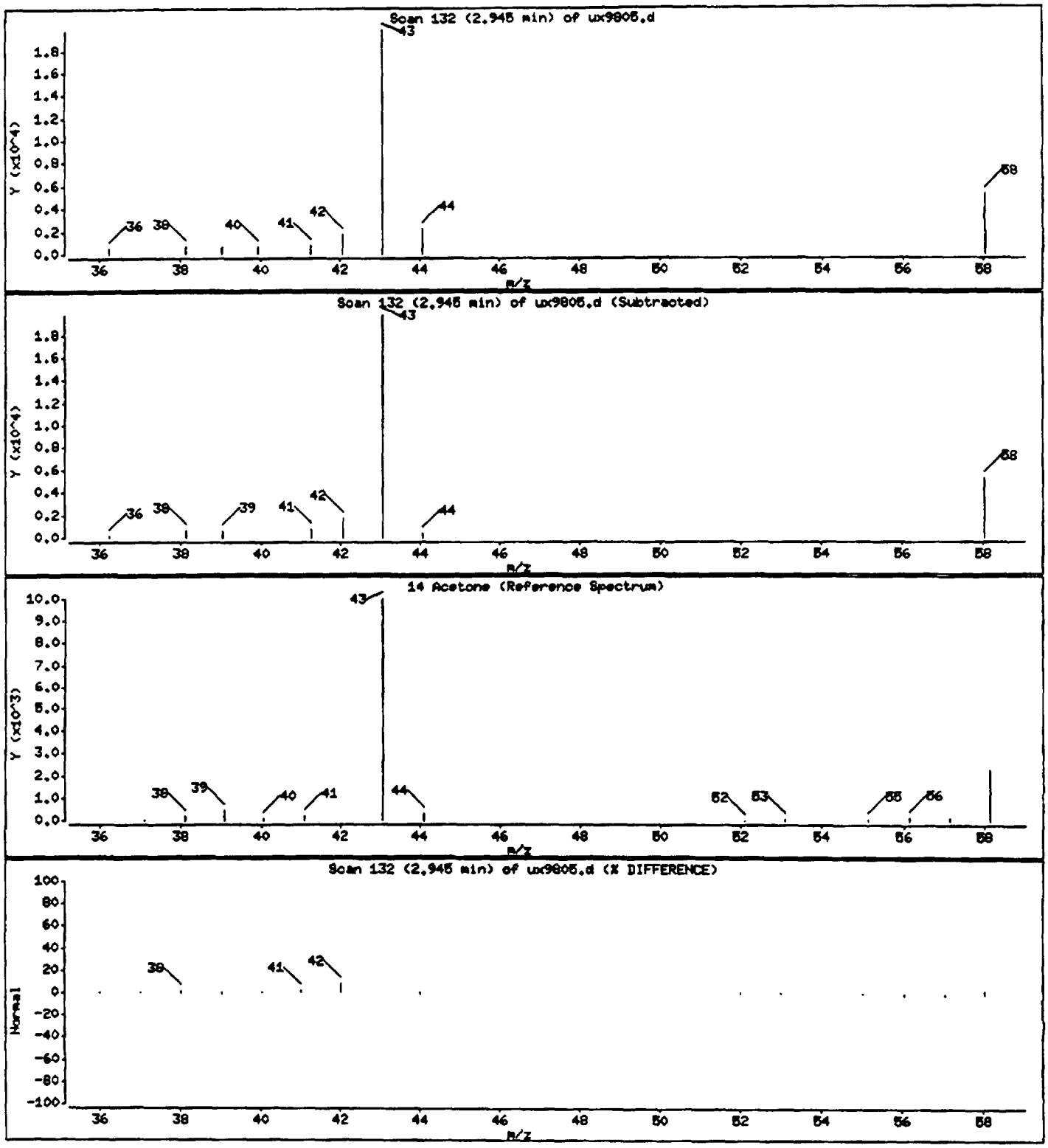
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 14.237 UG/KG



Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9805.d

Date : 07-SEP-2000 10:20

Client ID: SL52-6"

Instrument: a3ux9.i

Sample Info: DJRNH10T,,5G/5ML

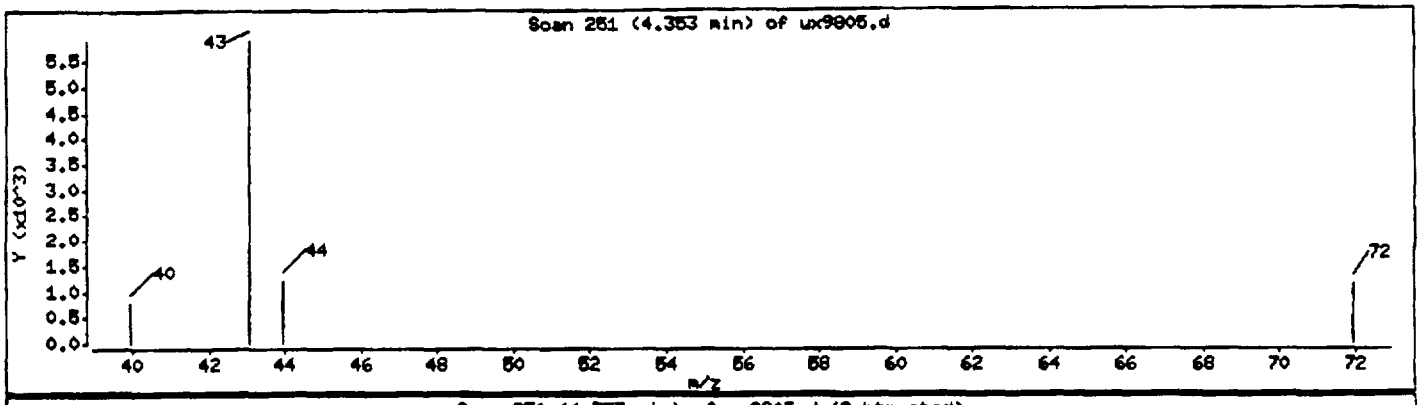
Operator: 01819

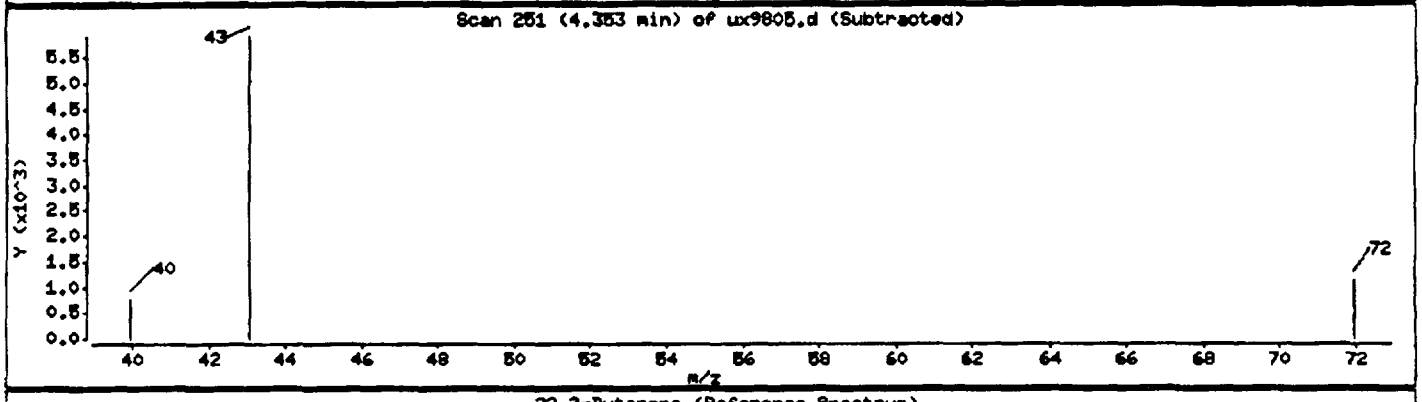
Column phase: RTX502.2

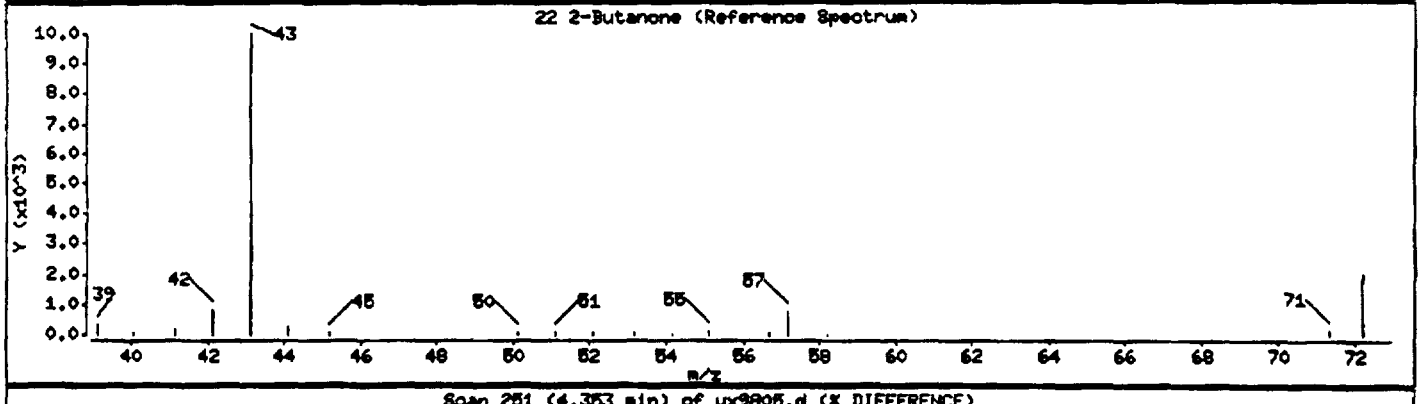
Column diameter: 0.53

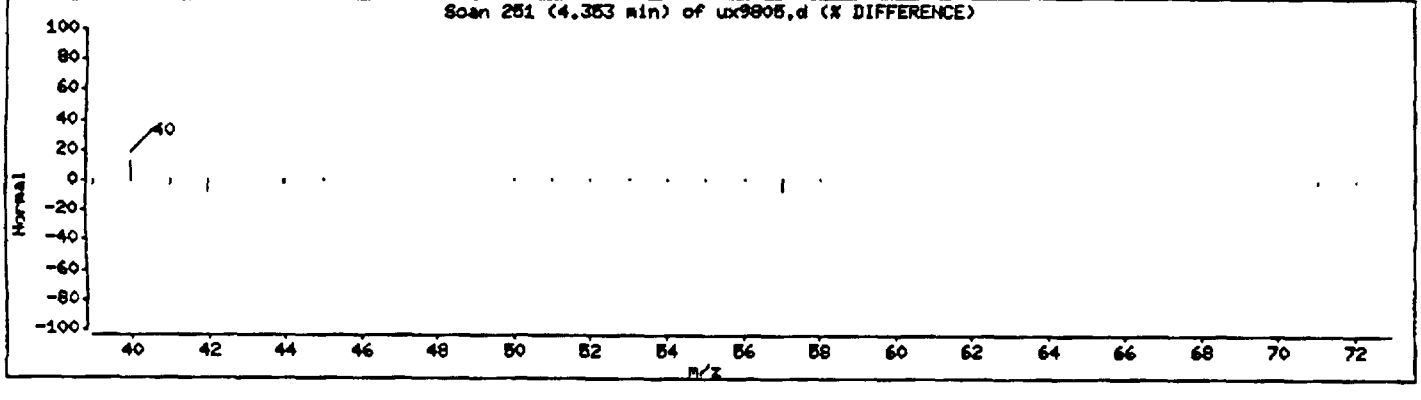
22 2-Butanone

Concentration: 2.689 UG/KG









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: DJRNM20T 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: DJRNM20T 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
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: DJRNM20T 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 NUMBER	COMPOUND NAME (ug/L or ug/kg) ug/kg	RT	EST. CONC.	Q
	Unknown	11.076	16	

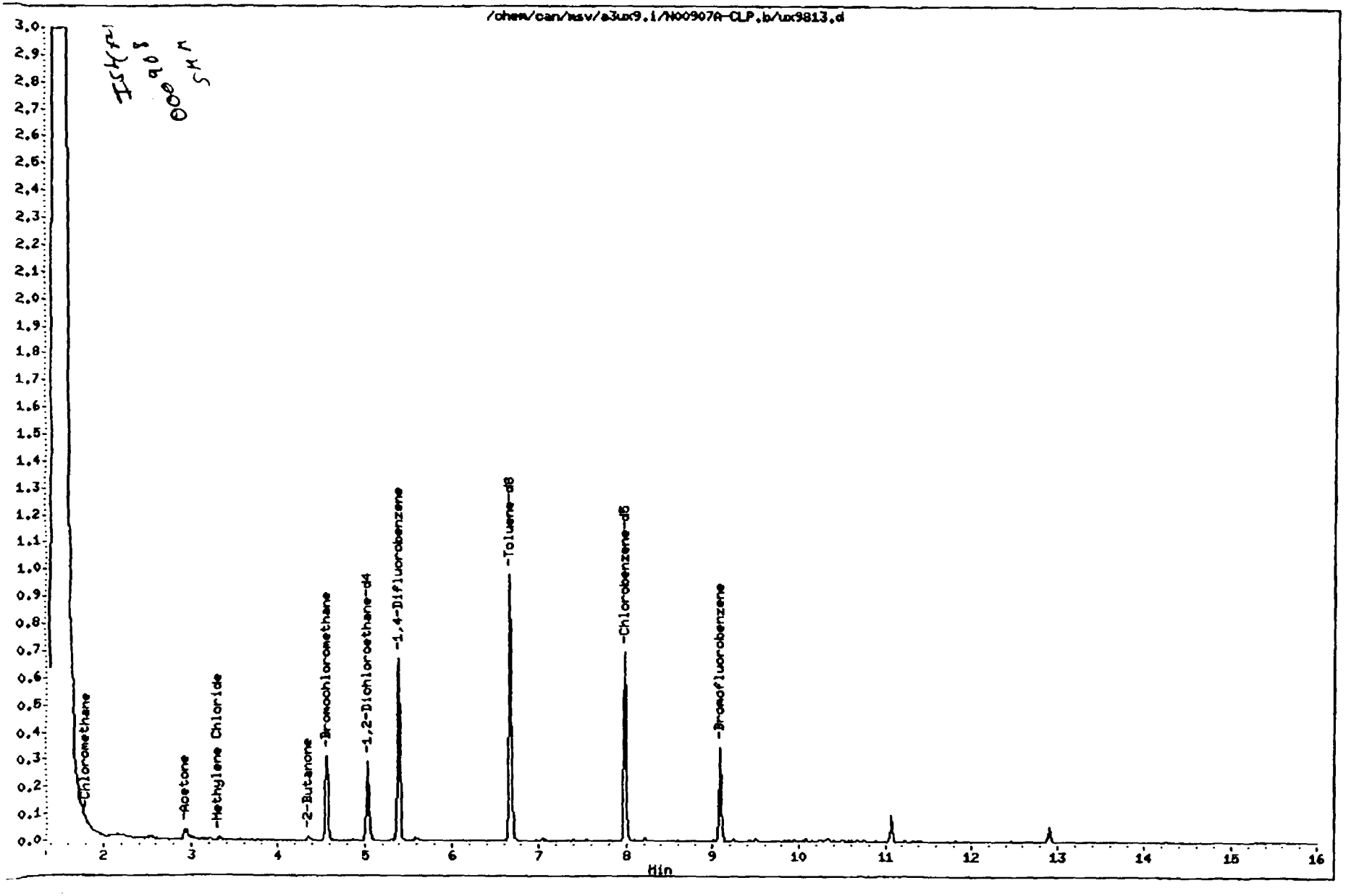
FORM I - TIC

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9813.d
Date : 07-SEP-2000 13:30
Client ID: SL52-6"
Sample Info: DJRNH20T,,5G/5HL

Column phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819
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/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)	618405	250.000	
* 3 Chlorobenzene-d5	117	7.987	7.985	(1.000)	410678	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.029	5.038	(1.101)	205524	263.075	80.512
$ 5 Toluene-d8	98	6.674	6.671	(0.836)	671146	317.088	97.043
$ 6 Bromofluorobenzene	95	9.100	9.097	(1.139)	130220	179.211	54.846
8 Chloromethane	50	1.799	1.784	(0.394)	9846	11.1892	3.424
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	2.947	2.932	(0.645)	82999	88.5664	27.105
17 Carbon Disulfide	76	Compound Not Detected.					
16 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/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	4.355	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/oan/msv/a3ux9.i/N00907A-CLP.b/ux9813.d

Date : 07-SEP-2000 13:30

Client ID: SL52-6"

Instrument: a3ux9.i

Sample Info: DJRNH20T,,5G/5ML

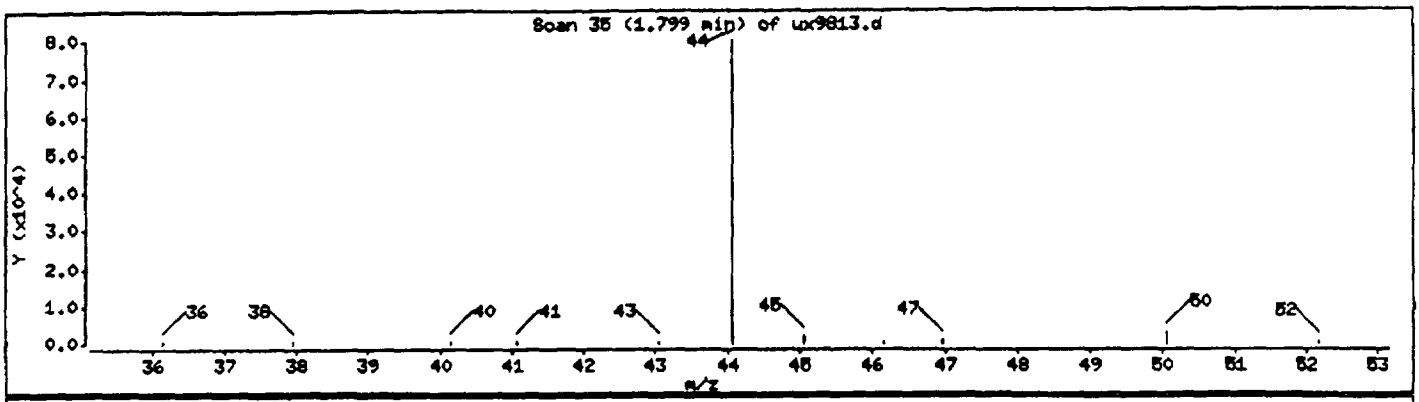
Operator: 01819

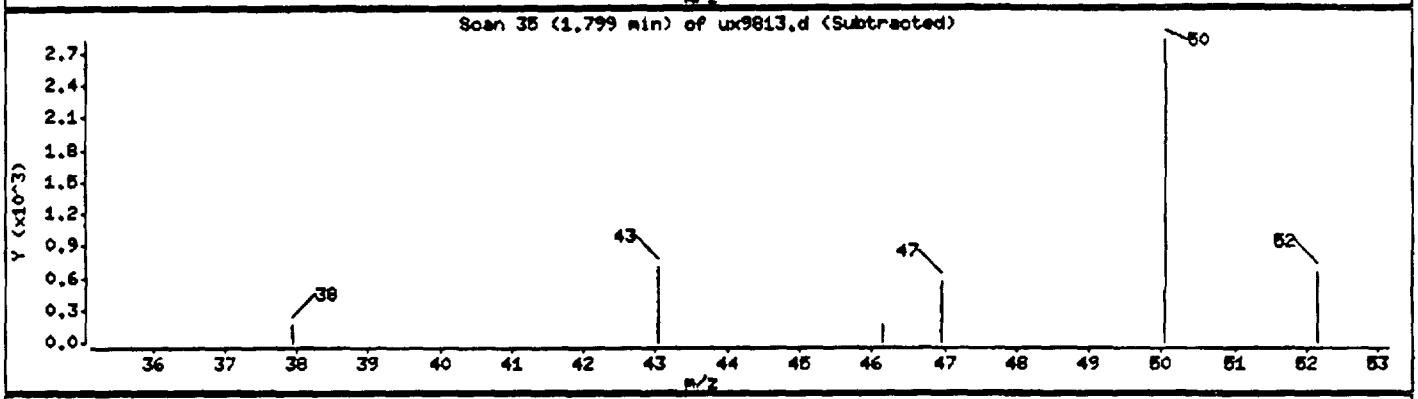
Column phase: RTX502.2

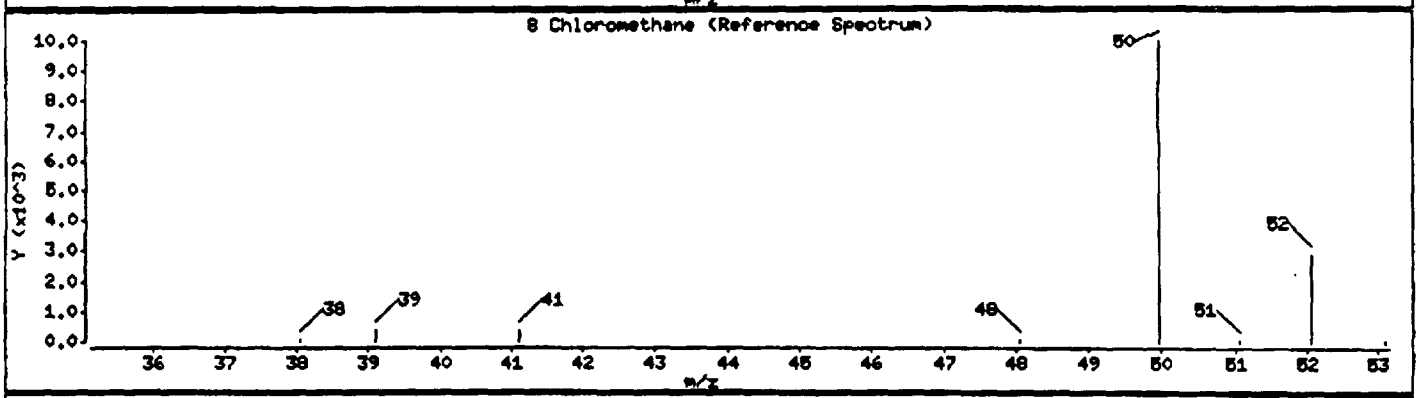
Column diameter: 0.53

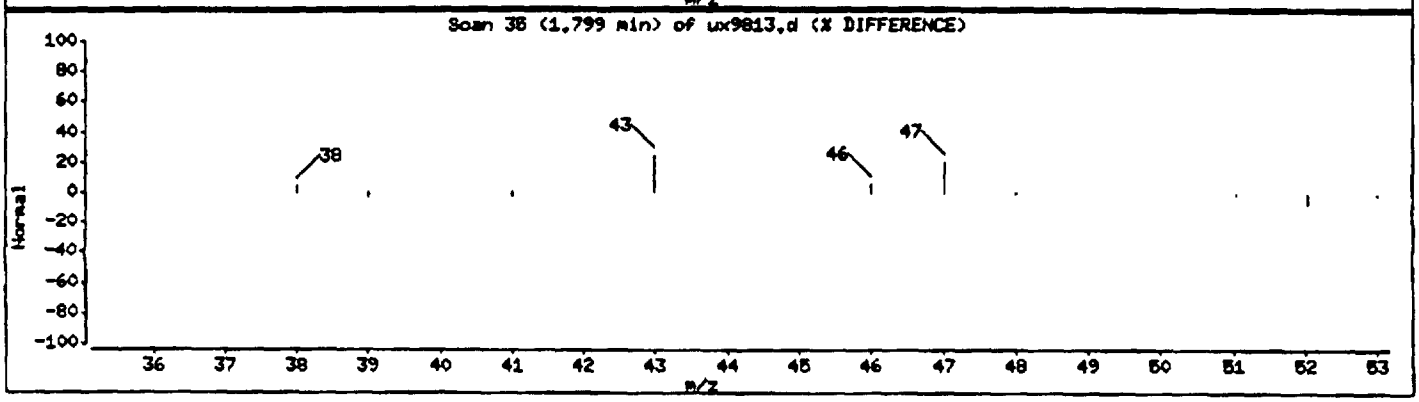
8 Chloromethane

Concentration: 3.424 UG/KG









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

Date : 07-SEP-2000 13:30

Client ID: SL52-6"

Instrument: a3ux9.i

Sample Info: DJRNH20T,,5G/5HL

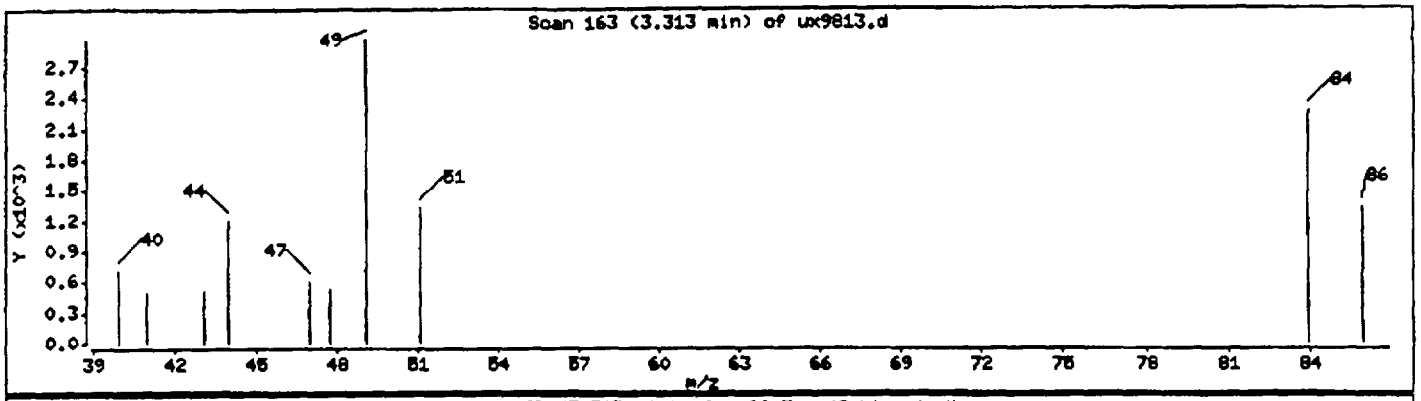
Operator: 01819

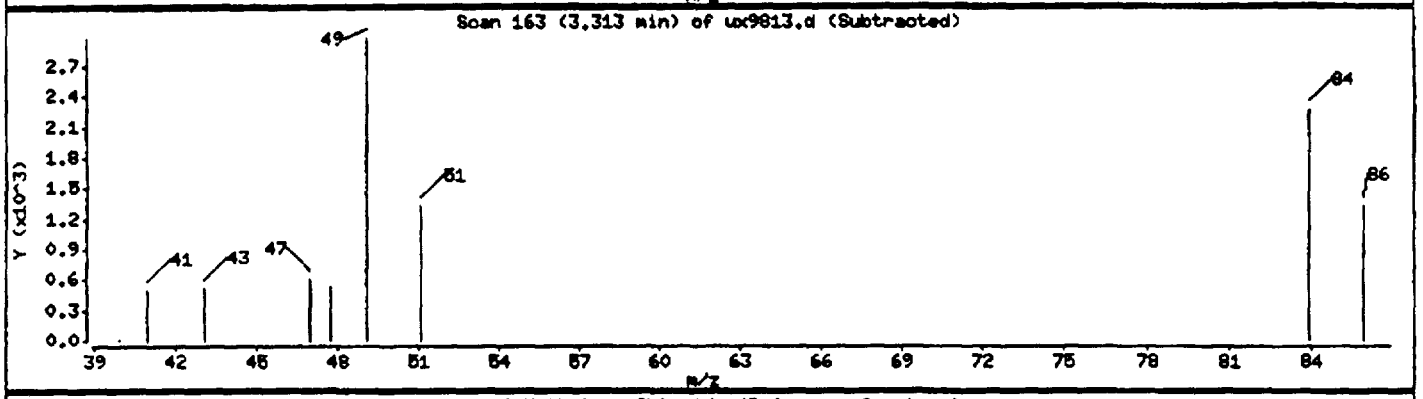
Column phase: RTX502.2

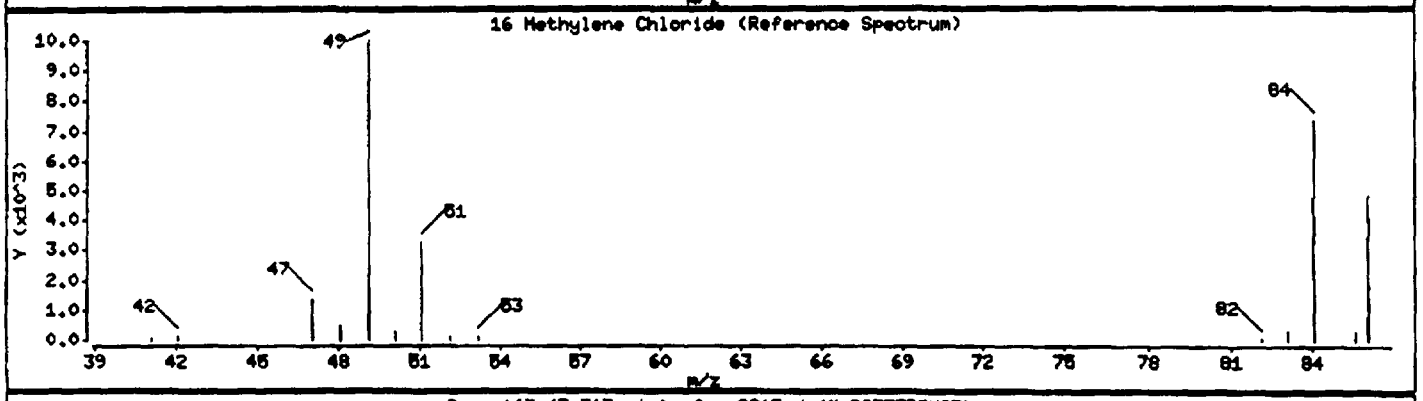
Column diameter: 0.53

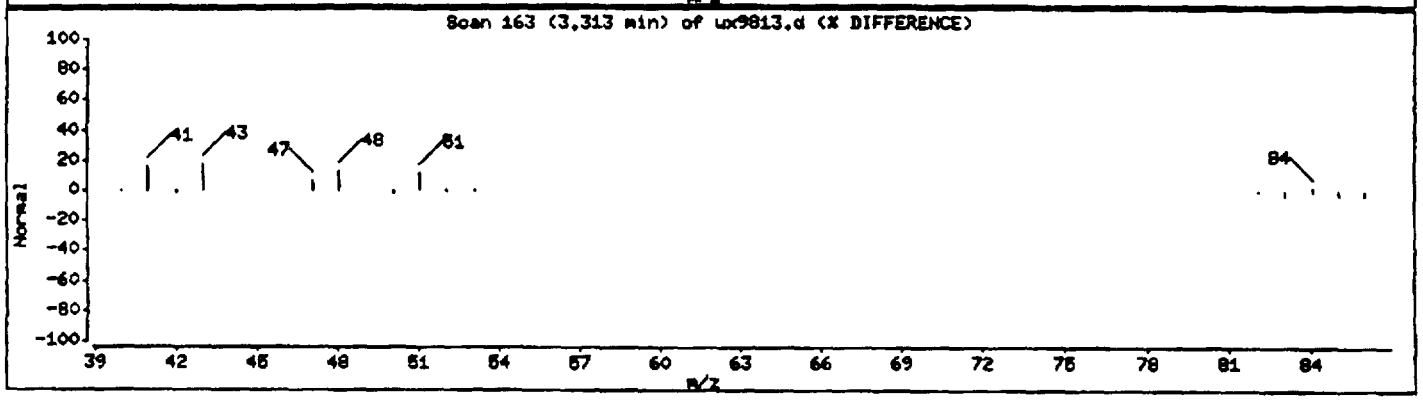
16 Methylene Chloride

Concentration: 2.217 UG/KG









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

Page 8

Date : 07-SEP-2000 13:30

Client ID: SL52-6"

Instrument: a3ux9.i

Sample Info: DJRNM20T,,5G/5ML

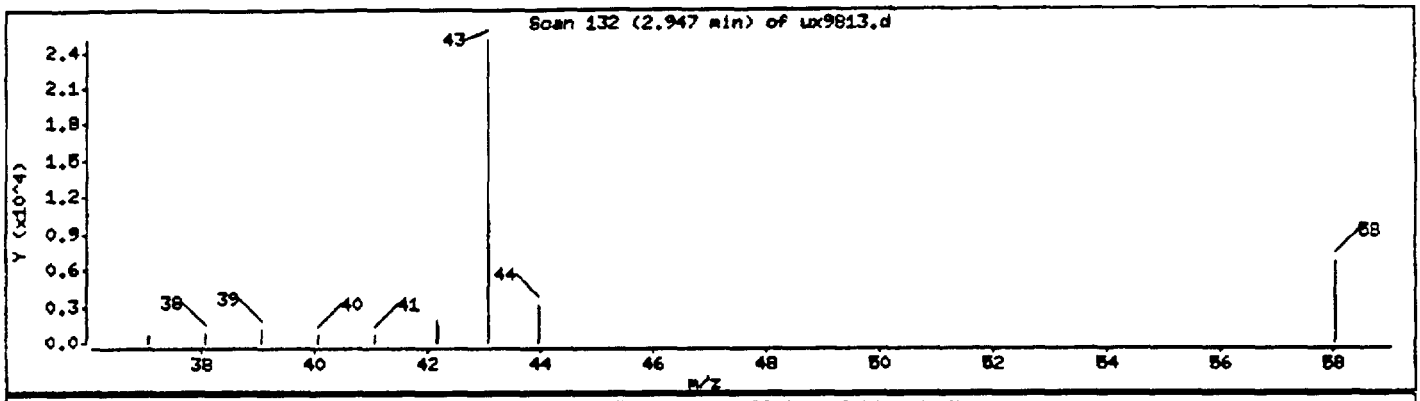
Operator: 01819

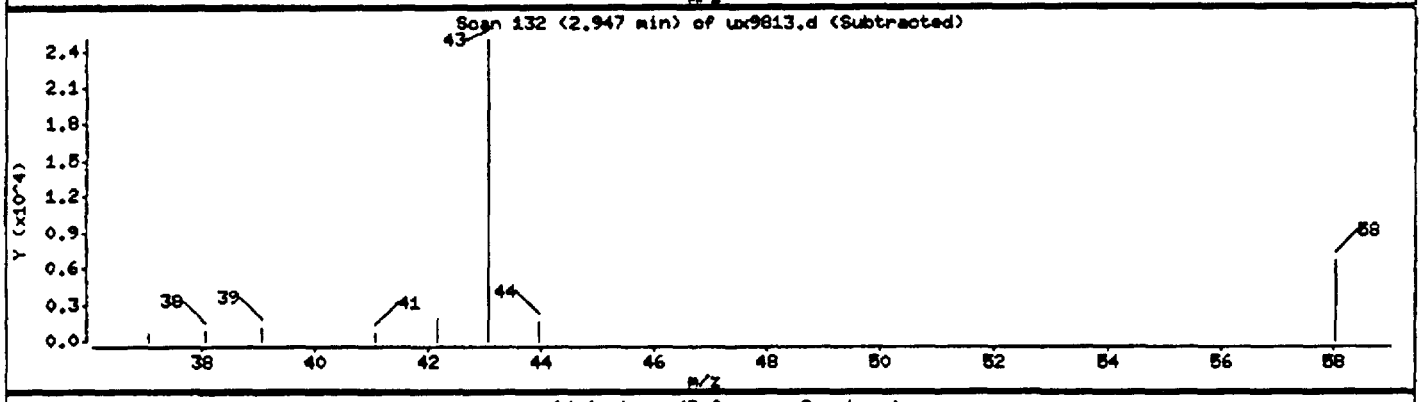
Column phase: RTX502.2

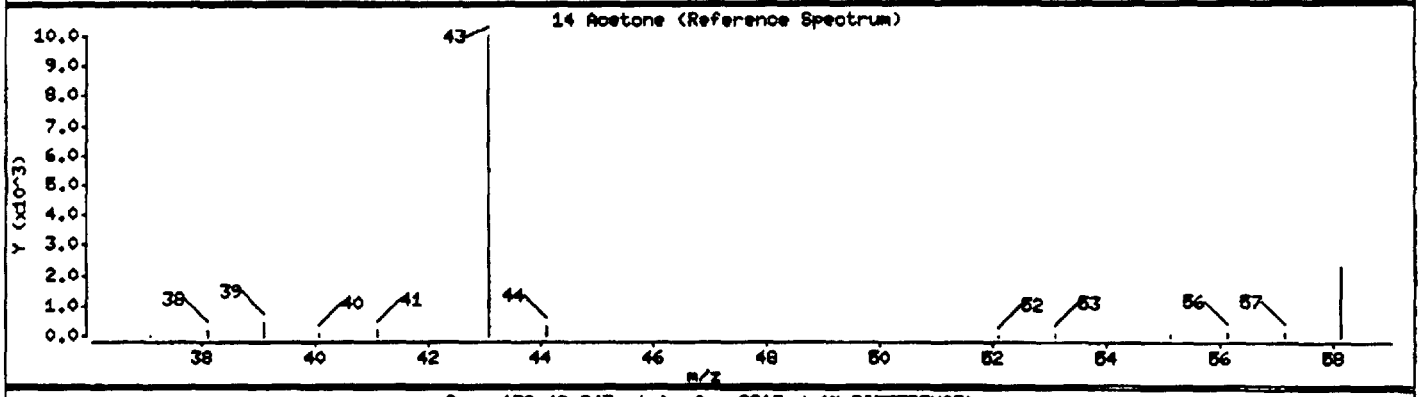
Column diameter: 0.53

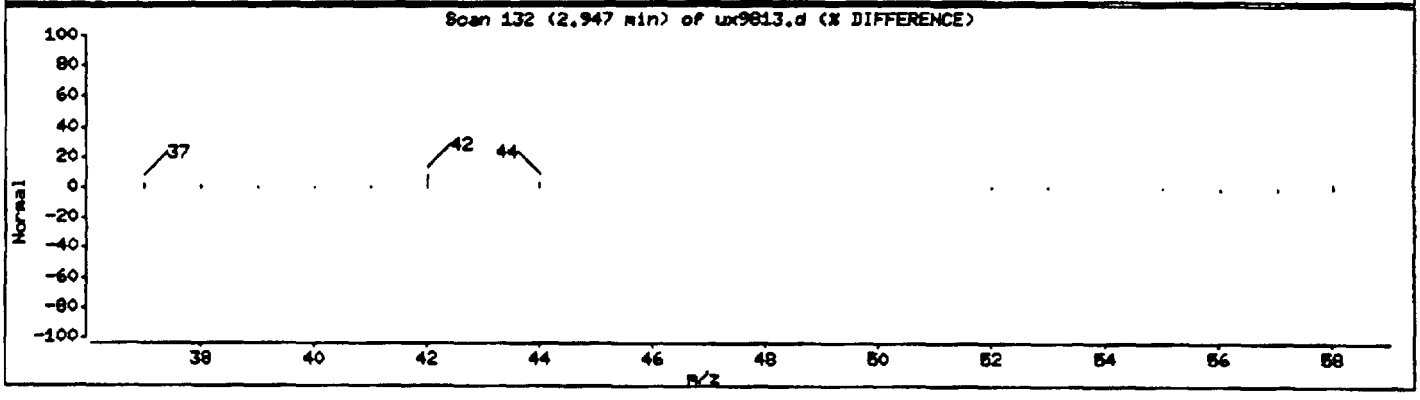
14 Acetone

Concentration: 27.105 UG/KG









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

Date : 07-SEP-2000 13:30

Client ID: SL52-6"

Instrument: a3ux9.i

Sample Info: DJRNH20T,,5G/5ML

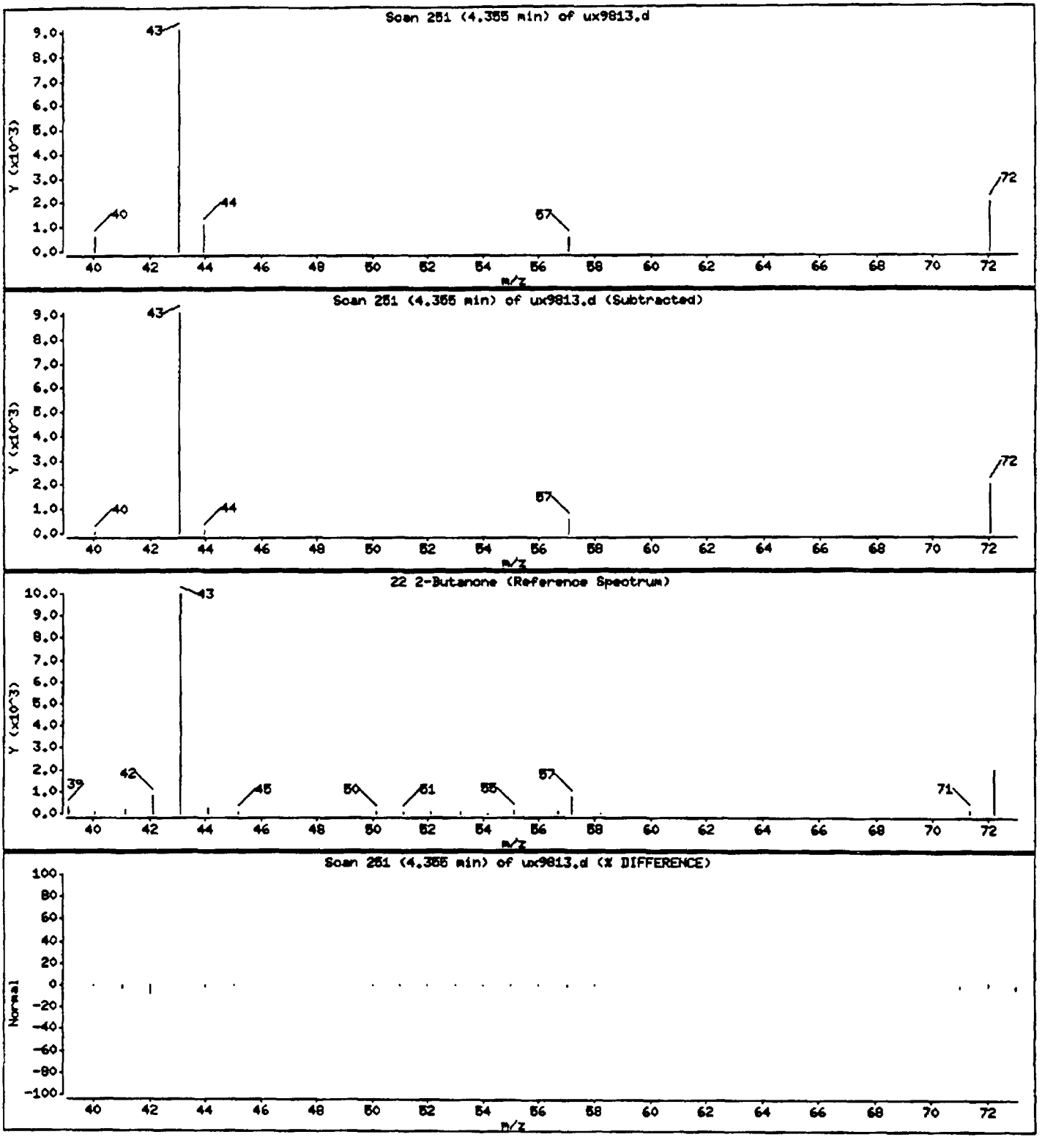
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 5.903 UG/KG



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	ON-COL(ng)	FINAL(UG/KG)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.076	175993	33.5172936	10.258	0		0	3

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

Date : 07-SEP-2000 13:30

Client ID: SL52-6"

Instrument: a3ux9.i

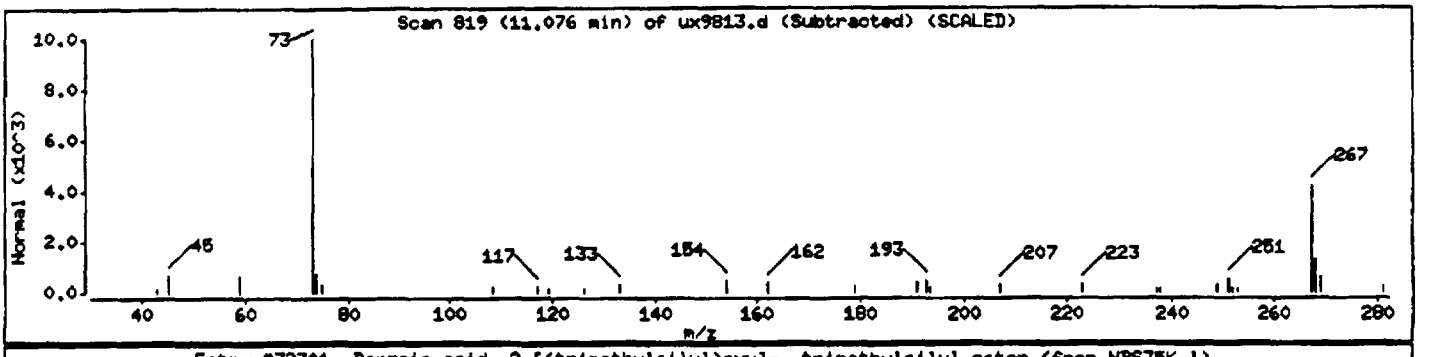
Sample Info: DJRNM20T,,5G/5ML

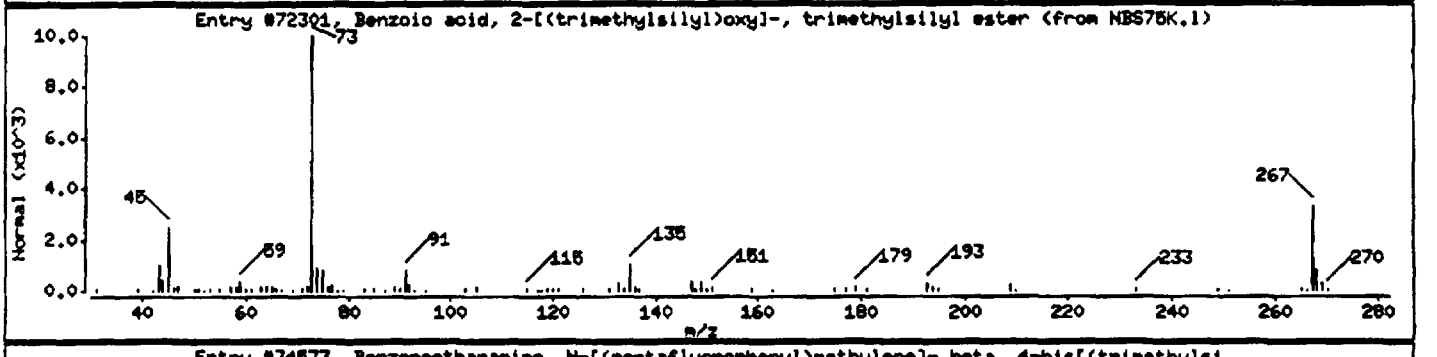
Operator: 01819

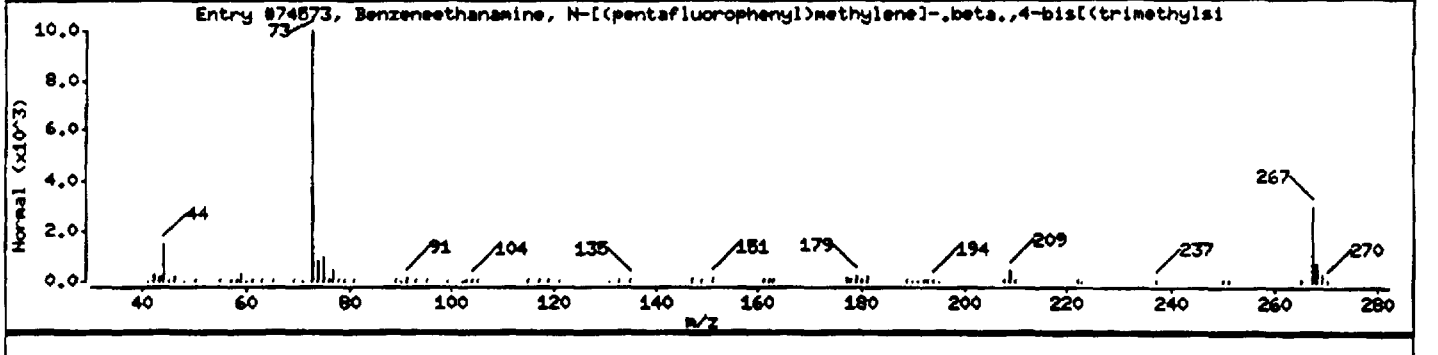
Column phase: RTX502.2

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.l	72301	64	C13H22O3Si2	282
Benzeneethanamine, N-[(pentafluorophenyl	55429-85-1	NBS75K.l	74573	39	C21H26F5NO2Si4	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: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: SLS2-4'

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

Data File: /chem/cam/msv/a3ux9.i/N00907A-CLP.b/ux9806.d

Page 6

Date : 07-SEP-2000 10:42

Client ID: SL52-4'

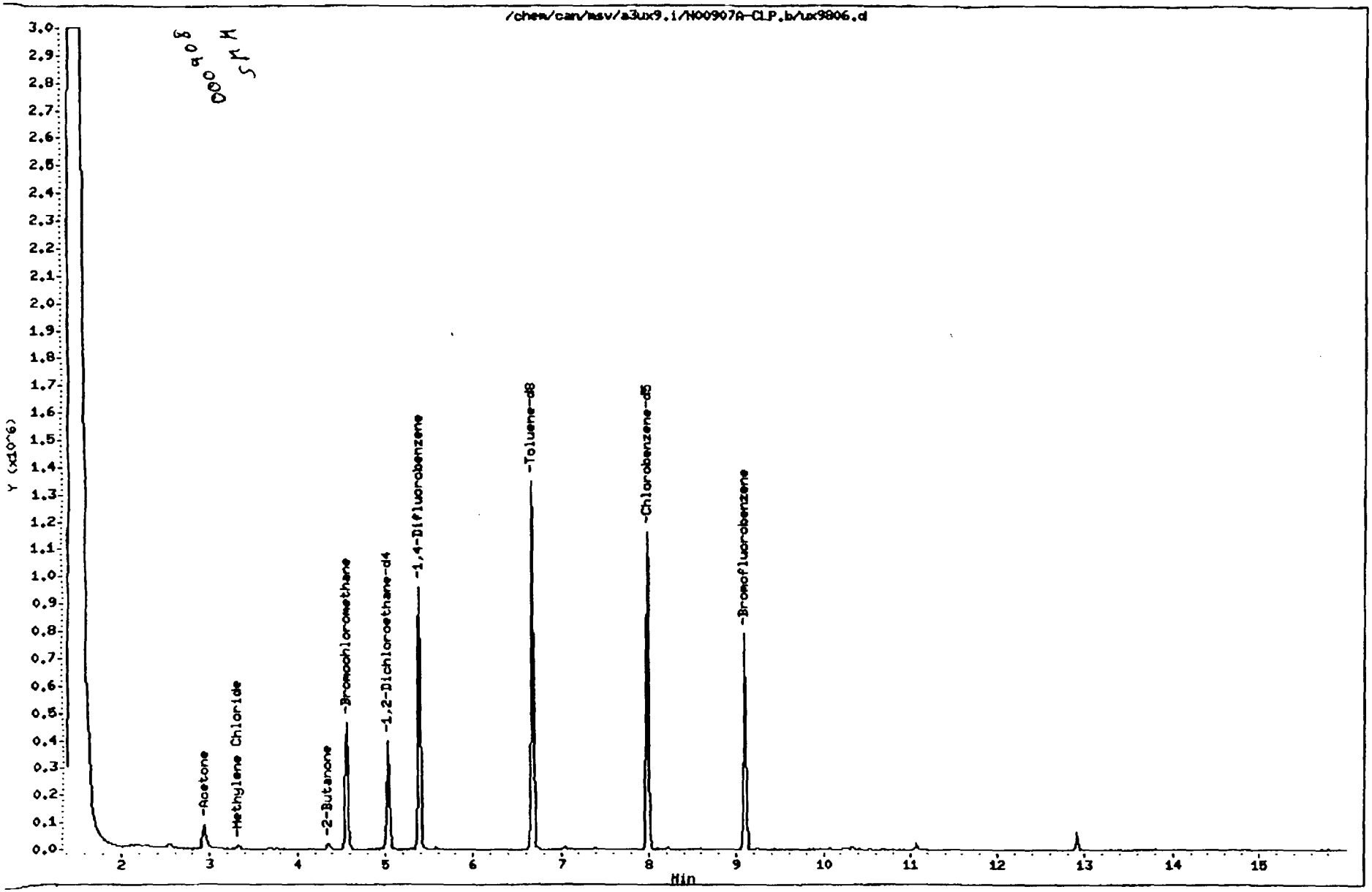
Instrument: a3ux9.i

Sample Info: DJRNN10T,,5G/5ML

Operator: 01819

Column phase: RTX502.2

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/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-d4	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	2.943	2.932	(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 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)	35673	22.8122	4.562
	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/oan/msv/a3ux9.i/N00907A-CLP.b/ux9806.d

Date : 07-SEP-2000 10:42

Client ID: SL52-4'

Instrument: a3ux9.i

Sample Info: DJRNN10T,,5G/5ML

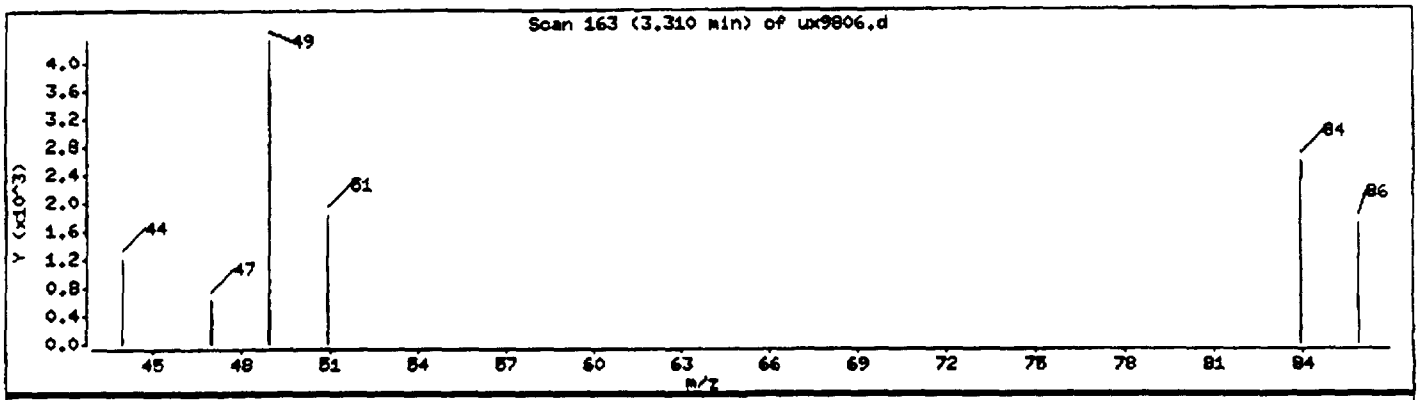
Operator: 01819

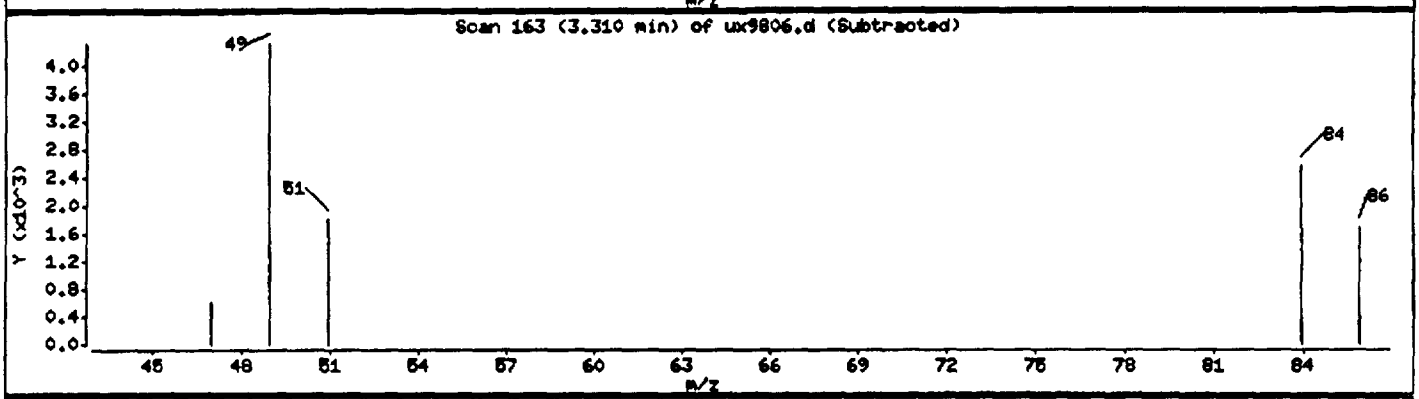
Column phase: RTX502.2

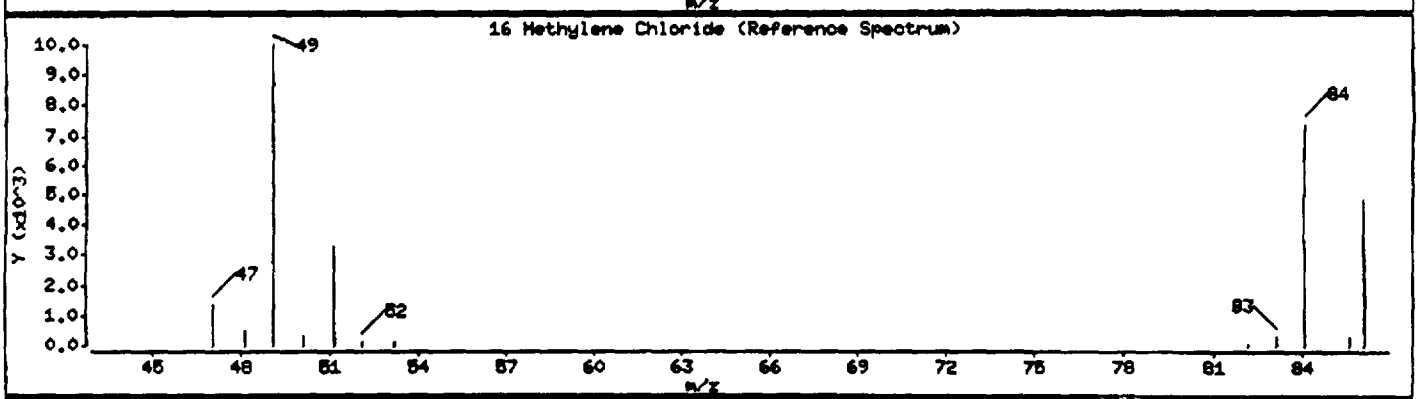
Column diameter: 0.53

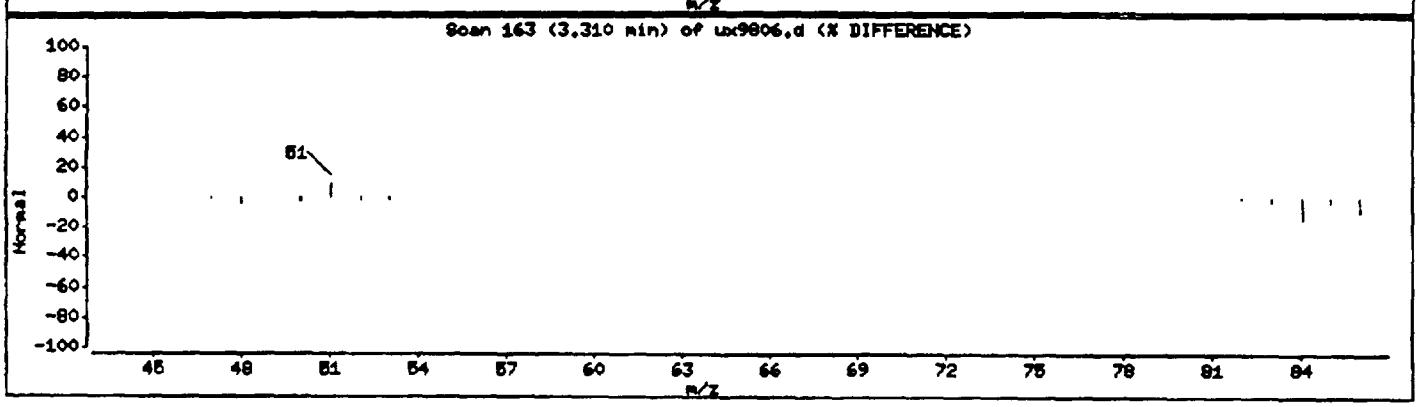
16 Methylene Chloride

Concentration: 1.392 UG/KG









Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9806.d

Date : 07-SEP-2000 10:42

Client ID: SL52-4'

Instrument: a3ux9.i

Sample Info: DJRNN10T,,5G/5HL

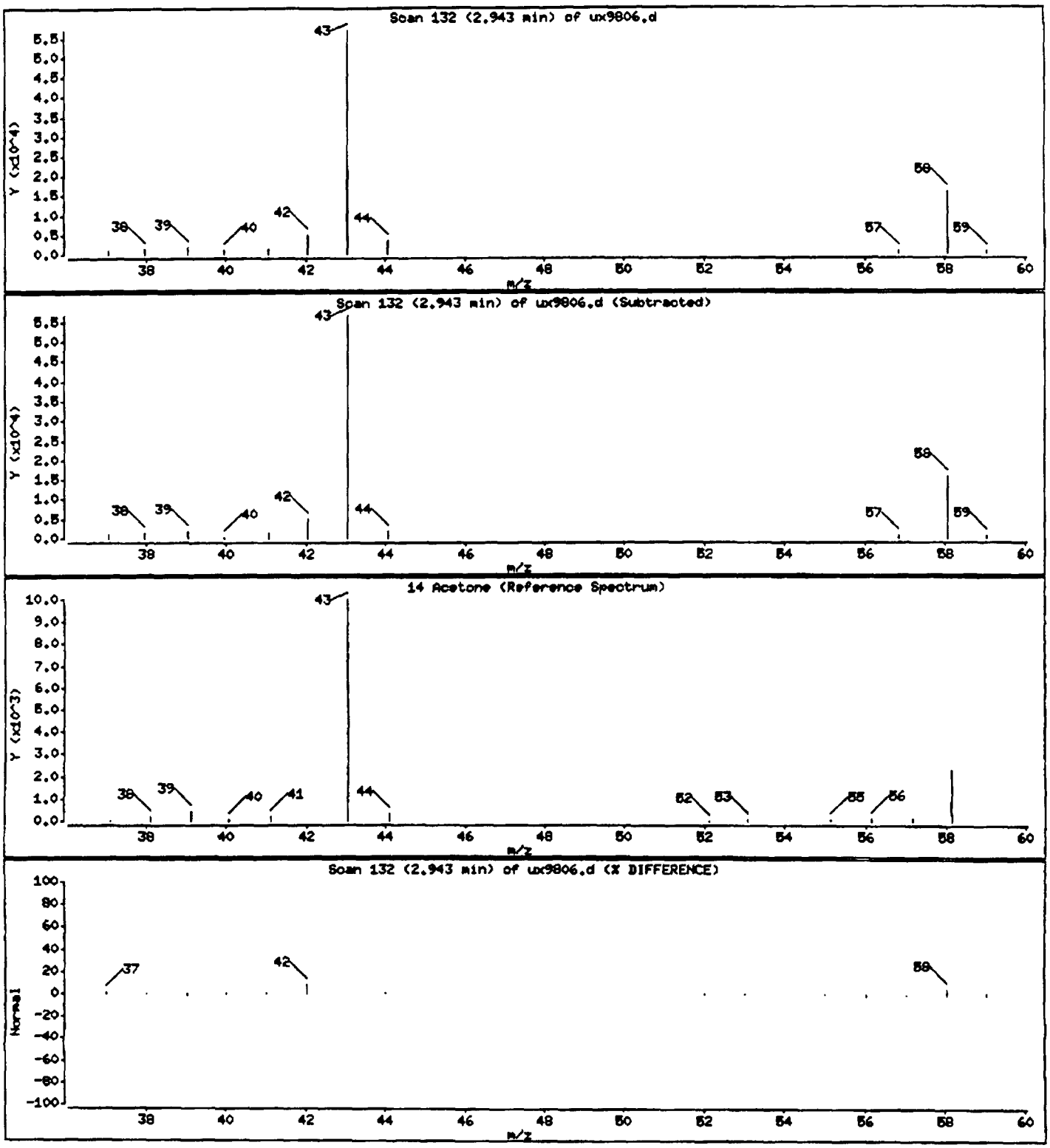
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 29.128 UG/KG



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Date : 07-SEP-2000 10:42

Client ID: SL52-4'

Instrument: a3ux9.i

Sample Info: DJRNN10T,,5G/5ML

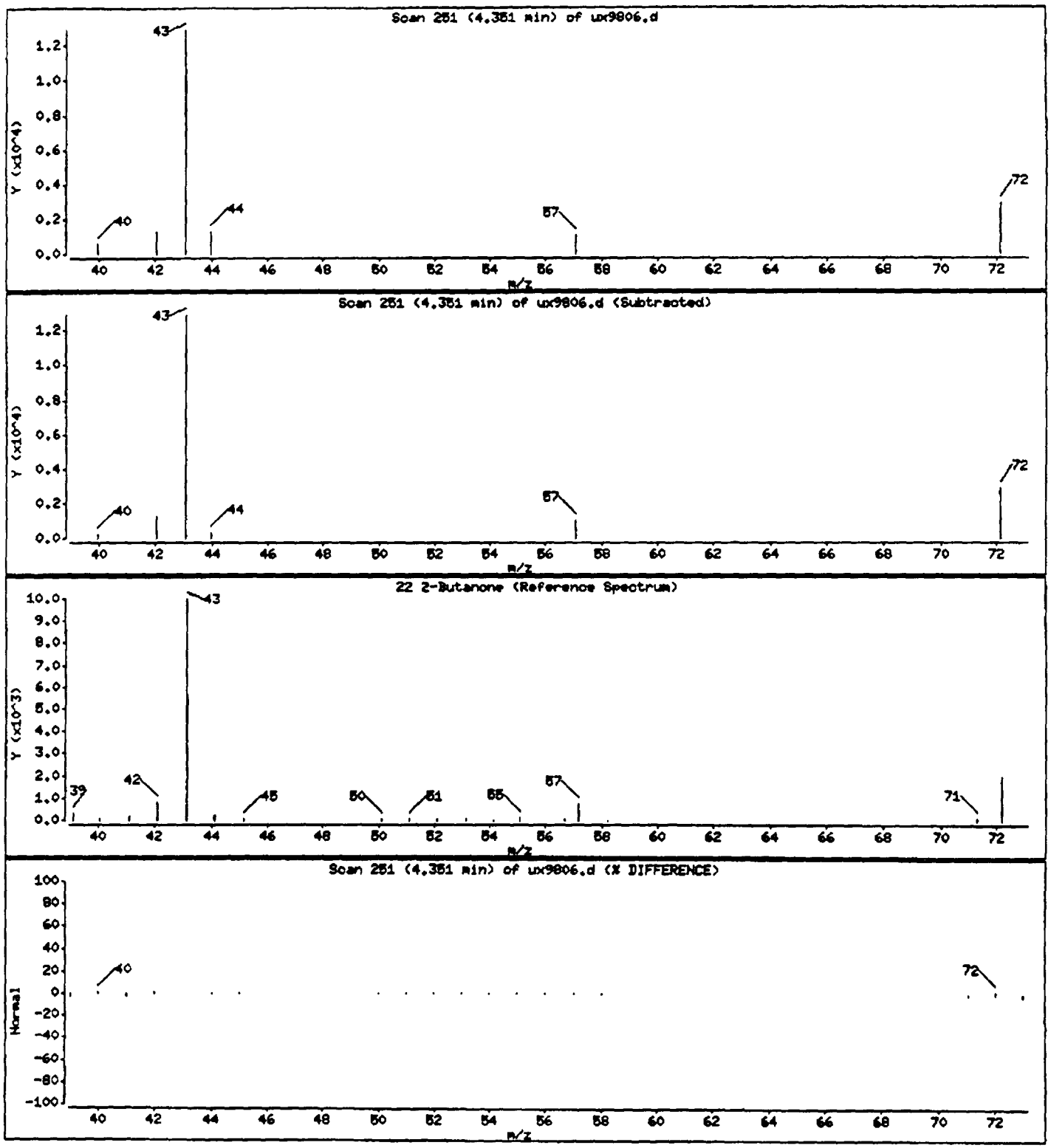
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 4.562 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

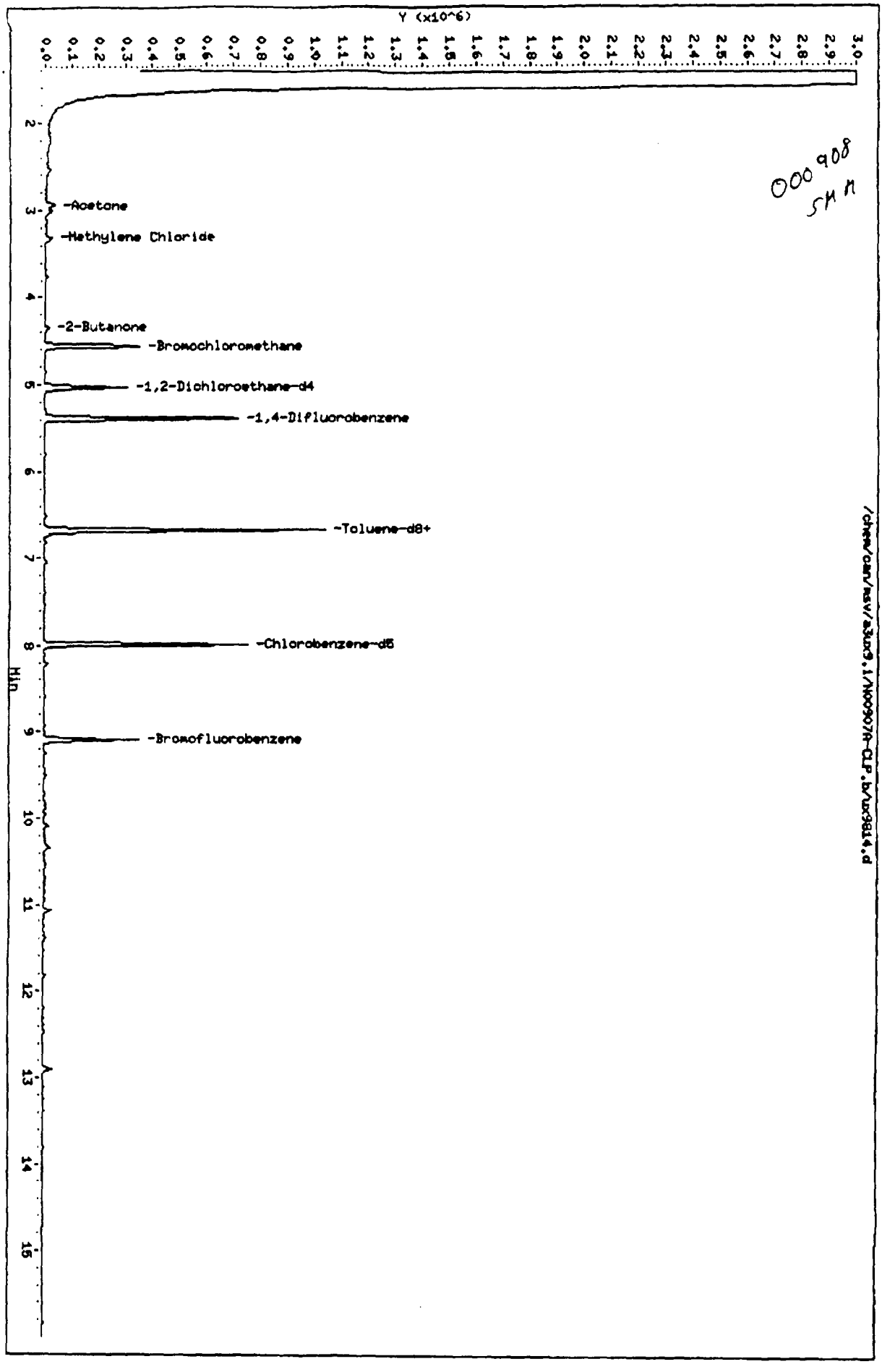
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: /chem/cam/msv/a3ux9.i/N009907A-CLP.b/ux9814.d
Date : 07-SEP-2000 13:53
Client ID: SL53-6"
Sample Info: DJRNQ10T,.5G/5ML

Column phase: RTX502.2

Instrument: a3ux9.i
Operator: 01819
Column diameter: 0.53



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SMM

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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	(0.836)	703947	301.861	87.860
$ 6 Bromofluorobenzene	95	9.099	9.097	(1.139)	135565	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-Dichloroethene	96	Compound Not Detected.					
14 Acetone	43	2.946	2.932	(0.645)	77919	75.0172	21.835
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.313	3.322	(0.725)	11705	14.2440	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-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	4.354	4.352	(0.953)	25730	20.6490	6.010
	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	(0.843)	19273	6.51945	1.898
	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/ux9814.d

Page 8

Date : 07-SEP-2000 13:53

Client ID: SL53-6"

Instrument: a3ux9.i

Sample Info: DJRNQ10T,,5G/5ML

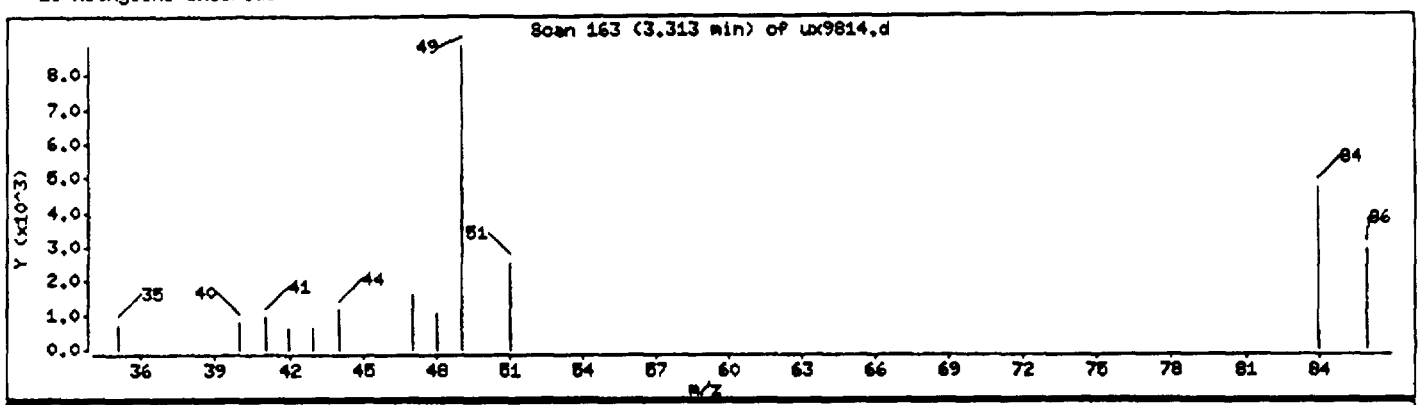
Operator: 01819

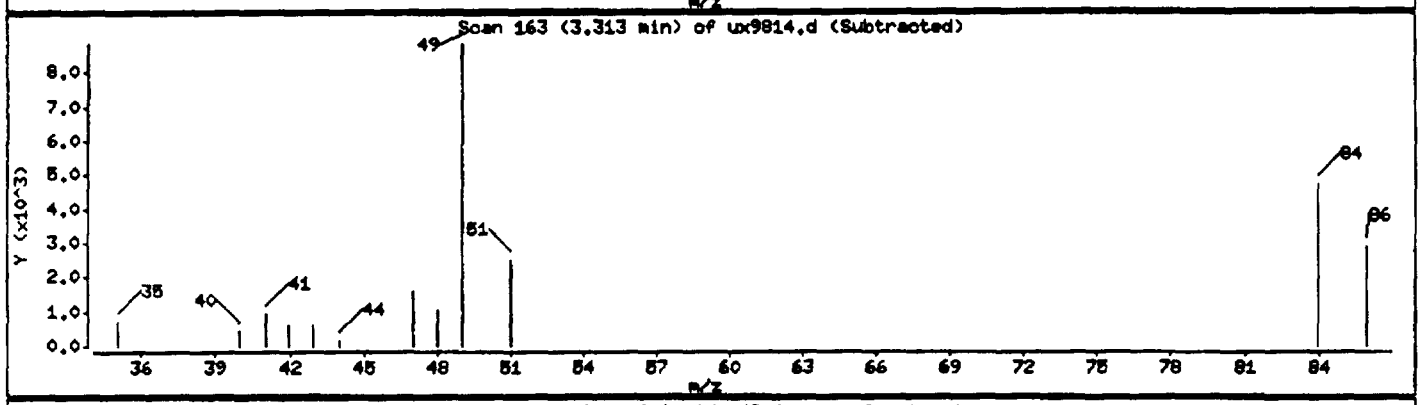
Column phase: RTX502.2

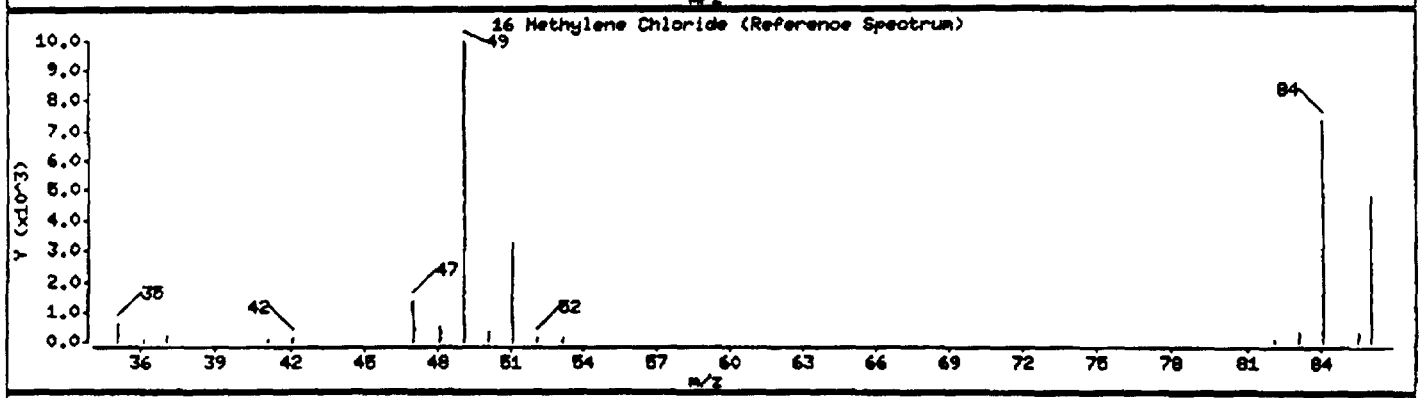
Column diameter: 0.53

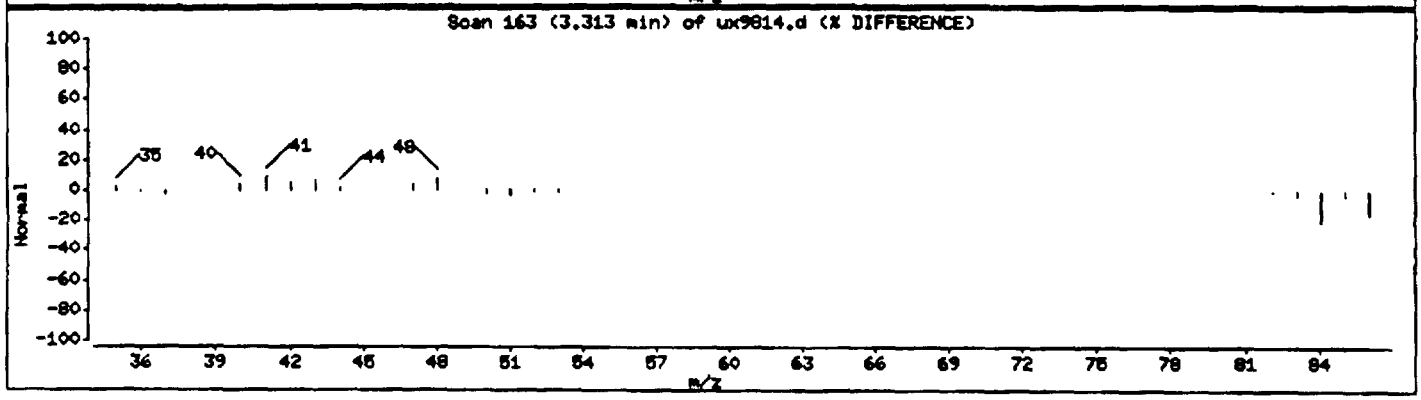
16 Methylene Chloride

Concentration: 4.146 UG/KG









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Date : 07-SEP-2000 13:53

Client ID: SL53-6"

Instrument: a3ux9.i

Sample Info: DJRNQ10T,,5G/5ML

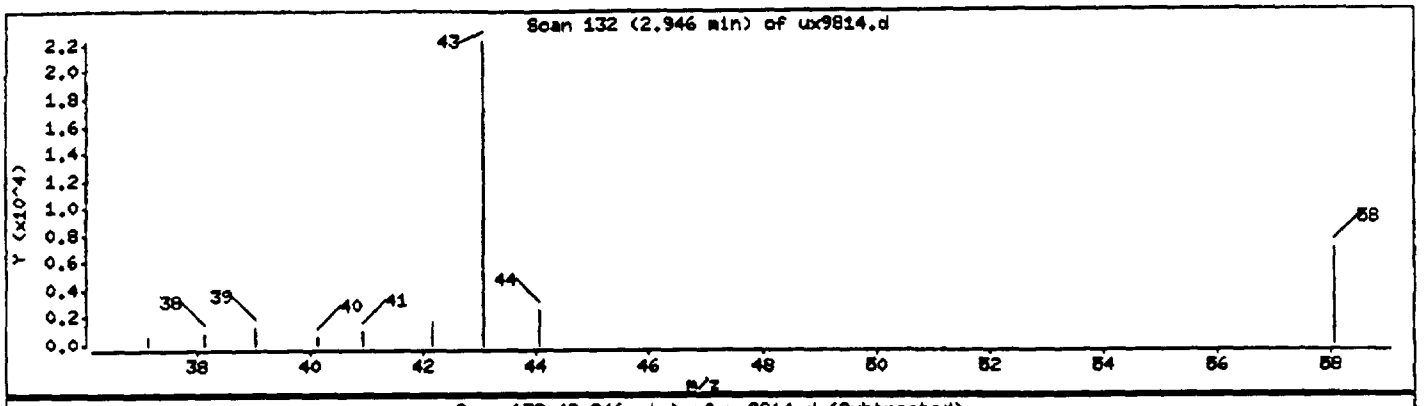
Operator: 01819

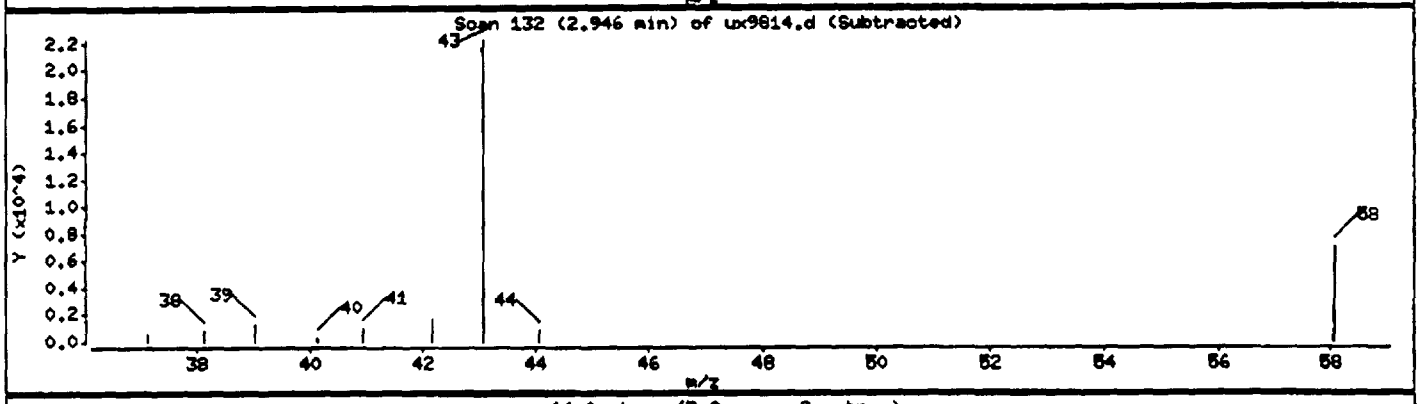
Column phase: RTX502.2

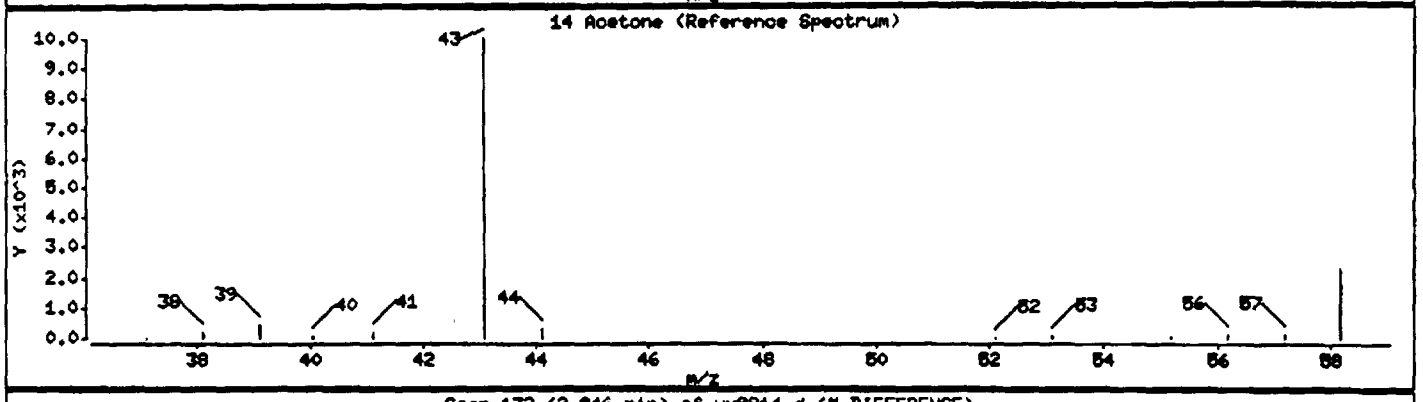
Column diameter: 0.53

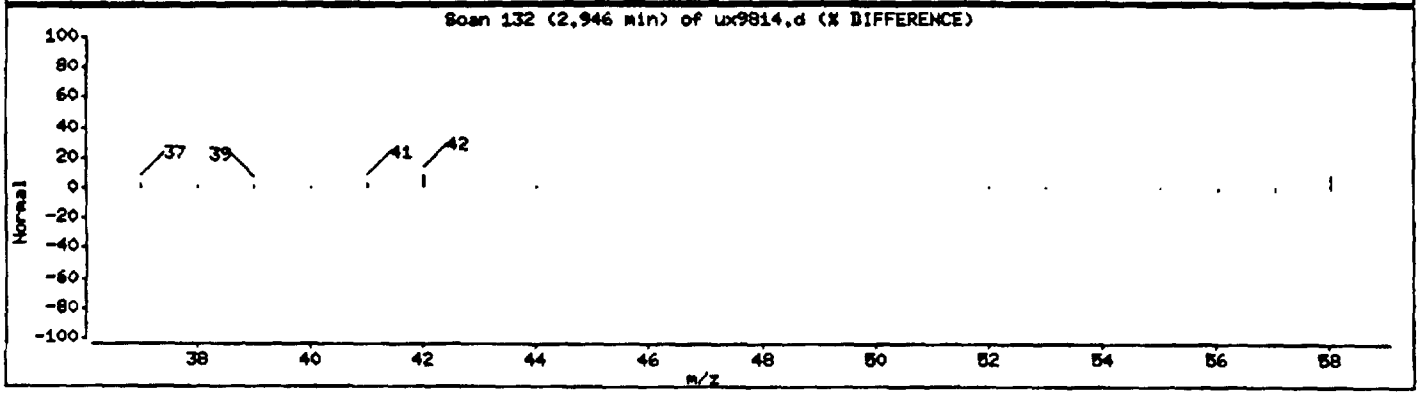
14 Acetone

Concentration: 21.835 UG/KG









Data File: /chem/oan/msv/a3ux9.i/N00907A-CLP.b/ux9814.d

Date : 07-SEP-2000 13:53

Client ID: SL53-6"

Instrument: a3ux9.i

Sample Info: DJRNQ10T,,5G/5ML

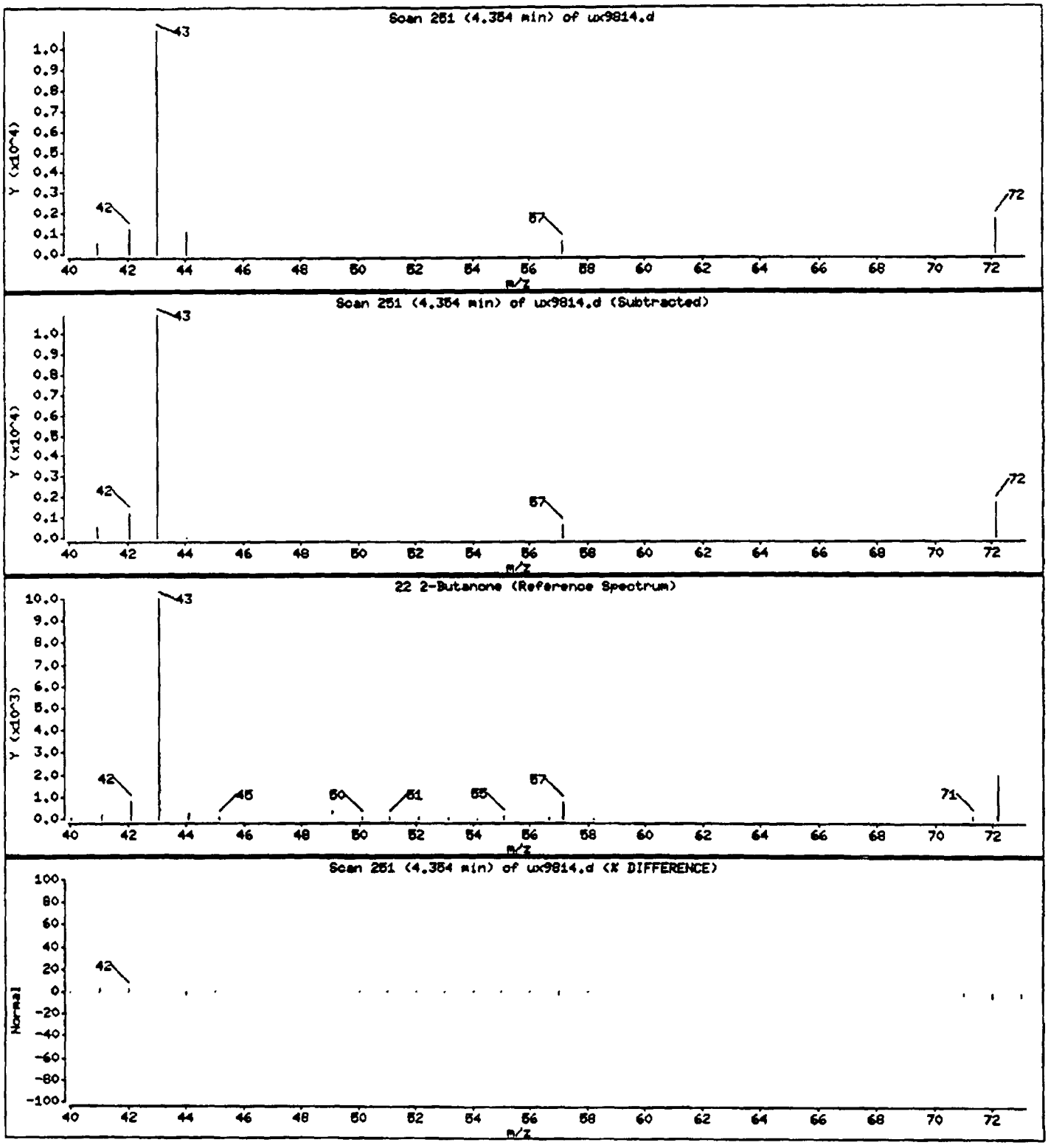
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

22 2-Butanone

Concentration: 6.010 UG/KG



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Date : 07-SEP-2000 13:53

Client ID: SL53-6"

Instrument: a3ux9.i

Sample Info: DJRNQ10T,,5G/5ML

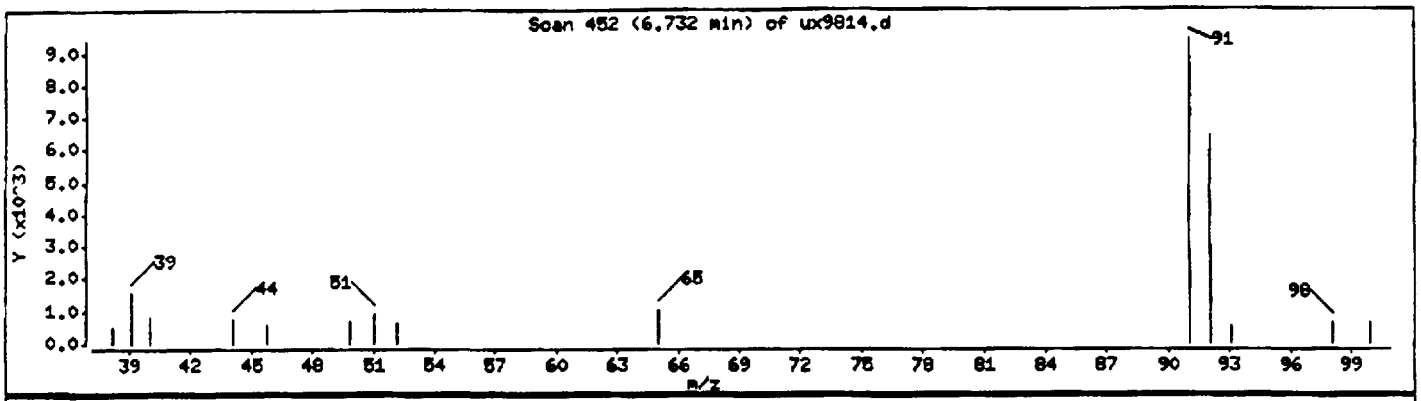
Operator: 01819

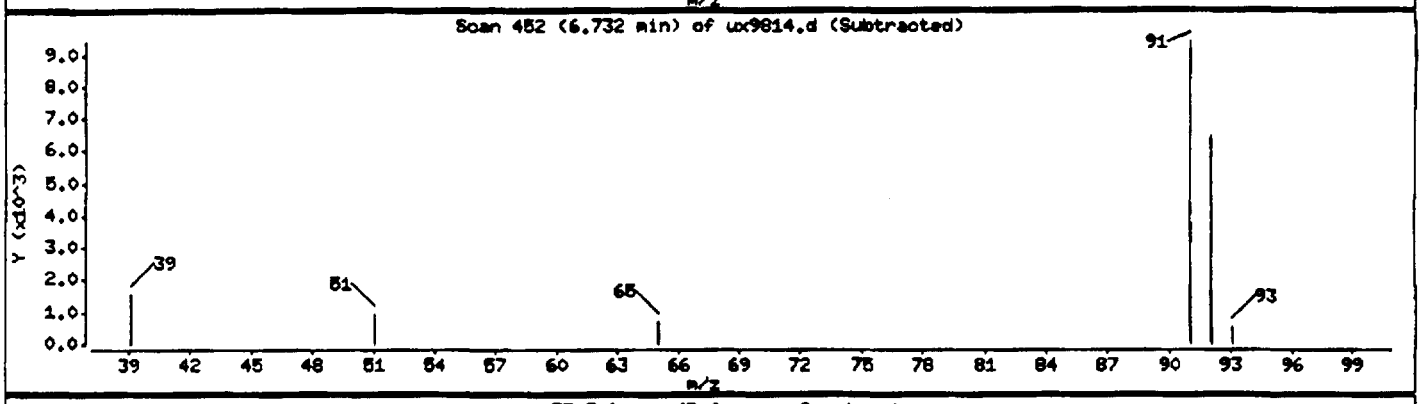
Column phase: RTX502.2

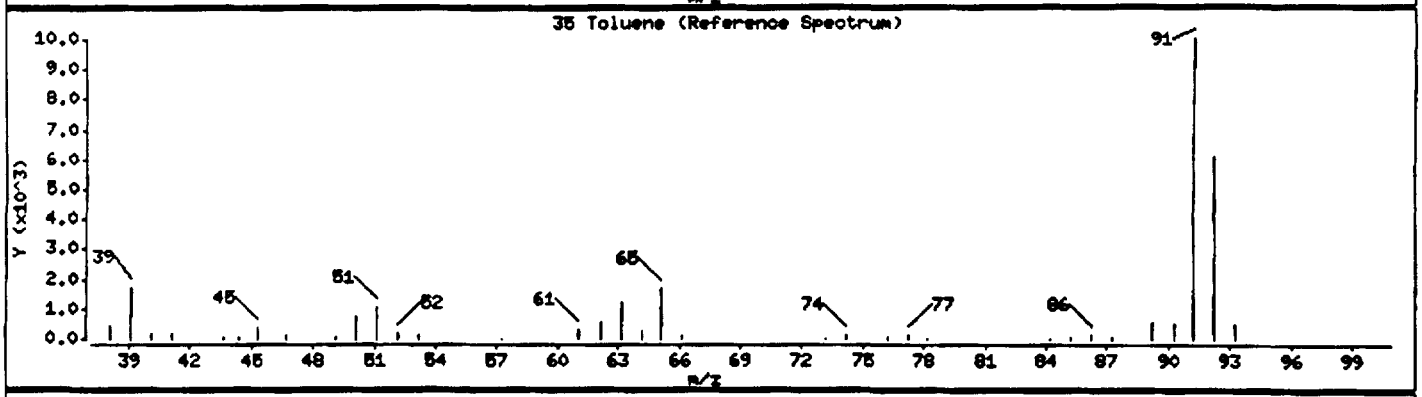
Column diameter: 0.53

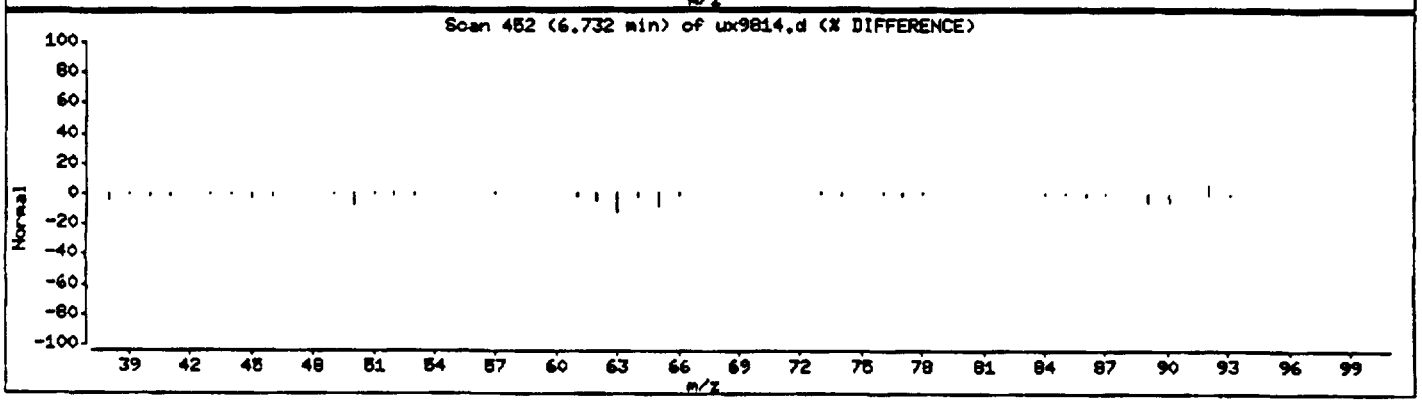
35 Toluene

Concentration: 1.898 UG/KG









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
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"

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

FORM I - TIC

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9808.d

Date : 07-SEP-2000 11:37

Client ID: SL54-6'

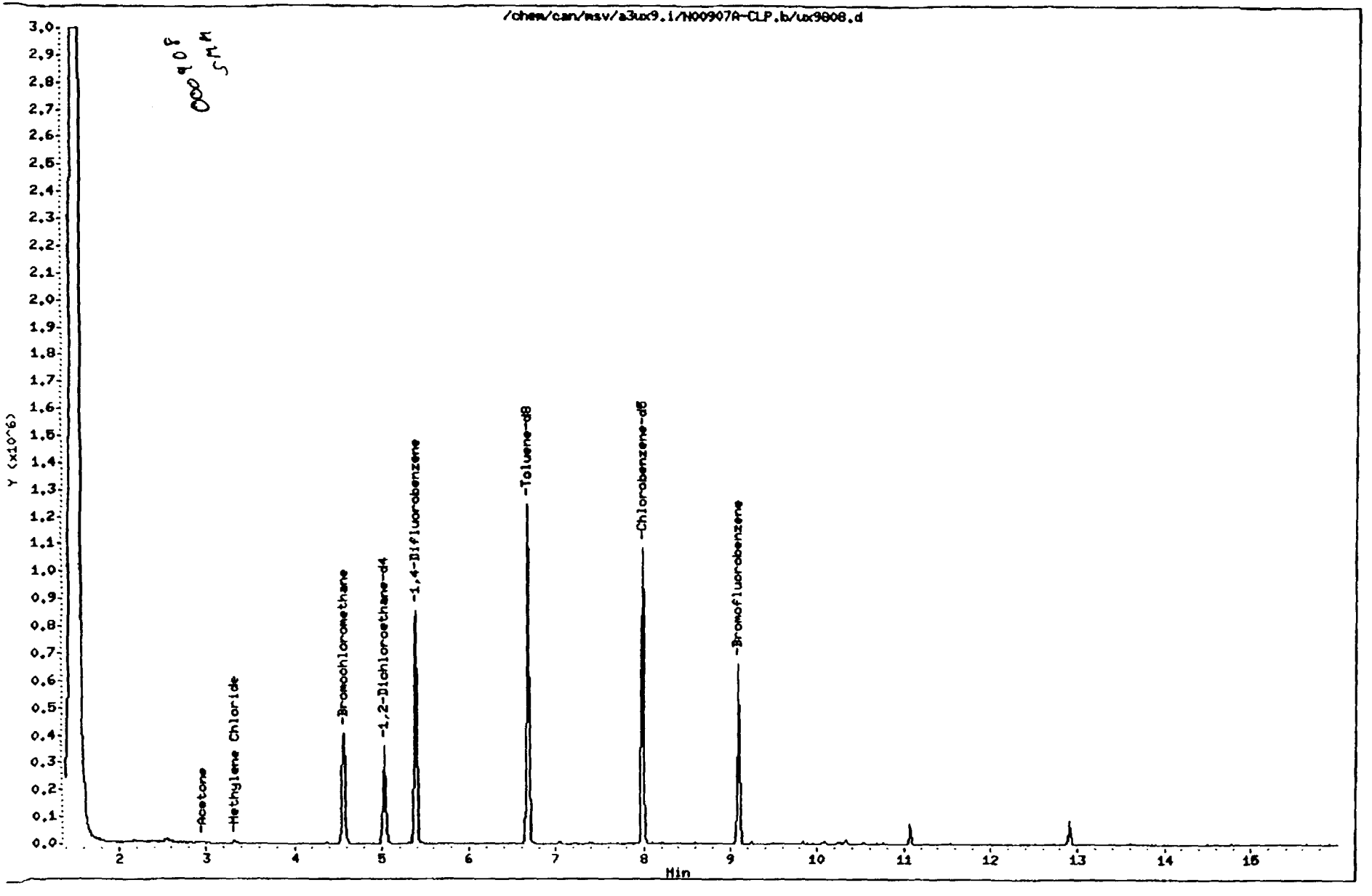
Sample Info: DJRP010T,,5G/5ML

Column phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819

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)	124775	250.000	
* 2 1,4-Difluorobenzene	114	5.395	5.393	(1.000)	810444	250.000	
* 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	665749	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.028	5.038	(1.101)	258119	242.838	48.568
$ 5 Toluene-d8	98	6.673	6.671	(0.836)	863902	251.778	50.356
$ 6 Bromofluorobenzene	95	9.098	9.097	(1.139)	247814	210.379	42.076
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	2.932	(0.645)	13689	10.7361	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.					
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/a3ux9.i/N00907A-CLP.b/ux9808.d

Date : 07-SEP-2000 11:37

Client ID: SL54-6'

Instrument: a3ux9.i

Sample Info: DJRP010T,,5G/5ML

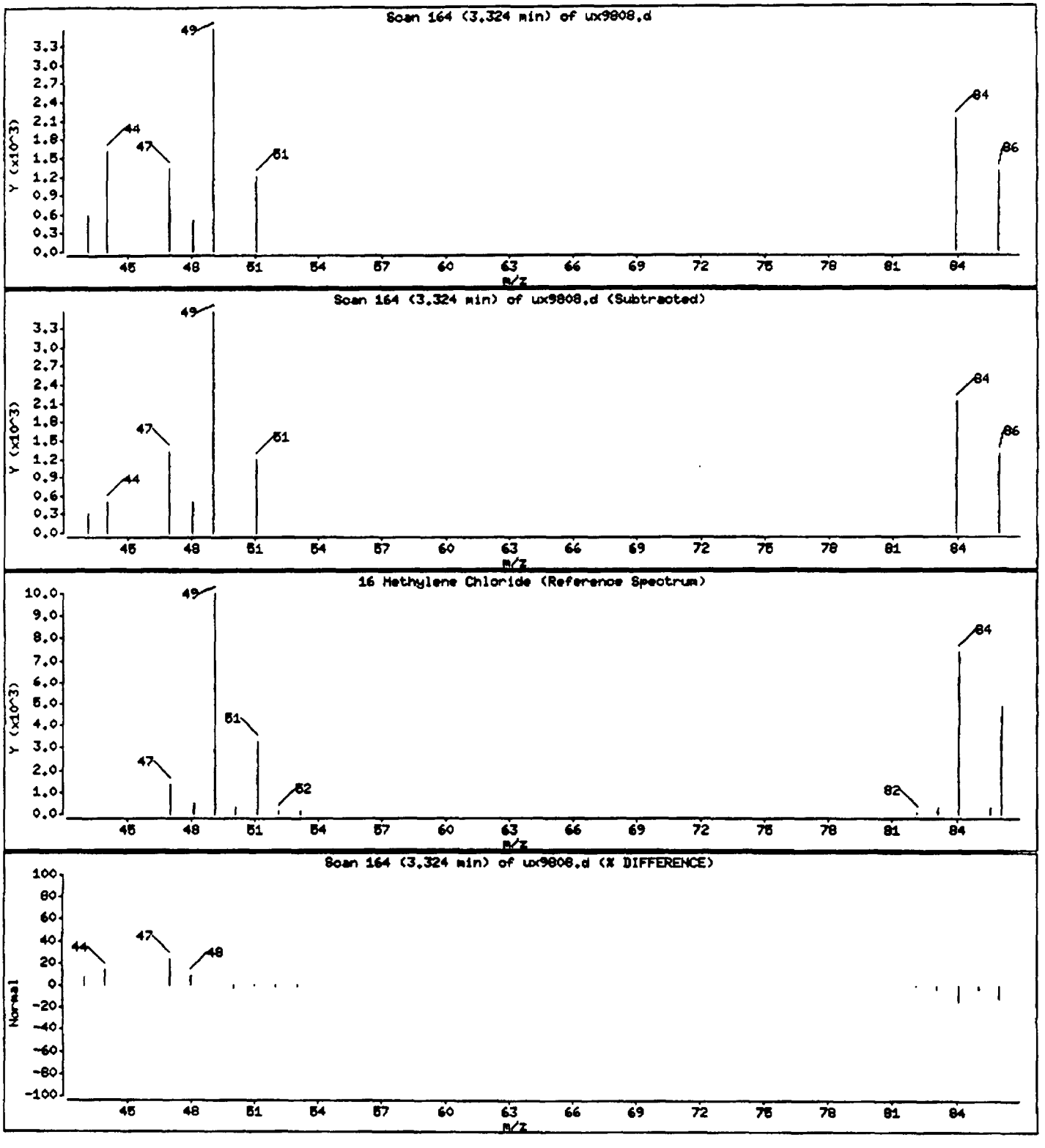
Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1.101 UG/KG



Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9808.d

Date : 07-SEP-2000 11:37

Client ID: SL54-6'

Instrument: a3ux9.i

Sample Info: DJRP010T,,5G/5ML

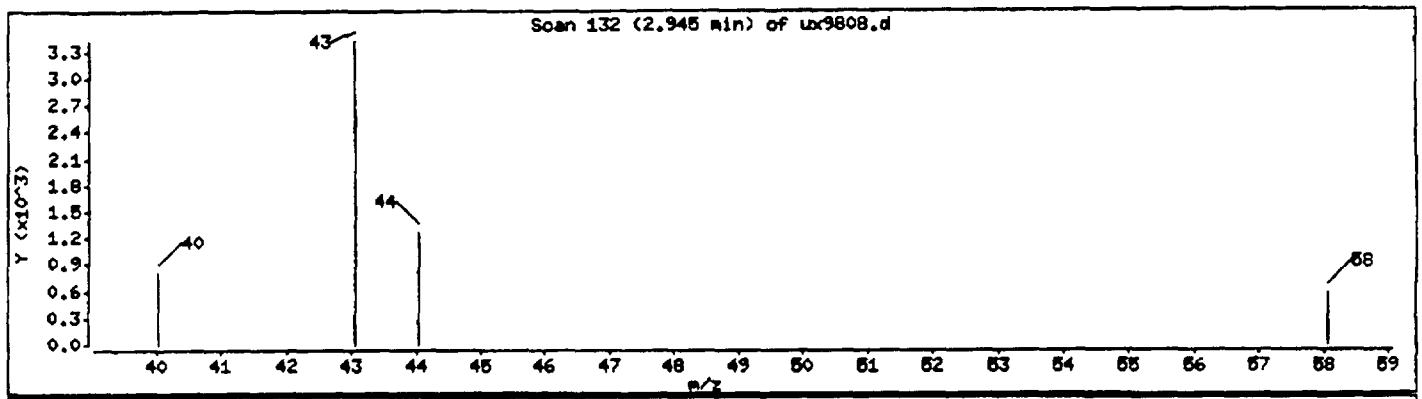
Operator: 01819

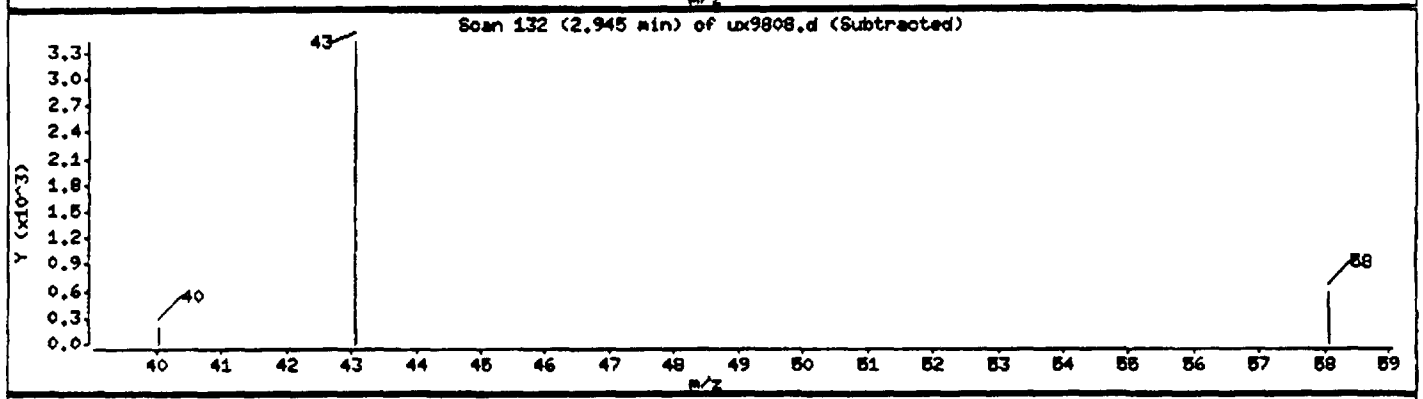
Column phase: RTX502.2

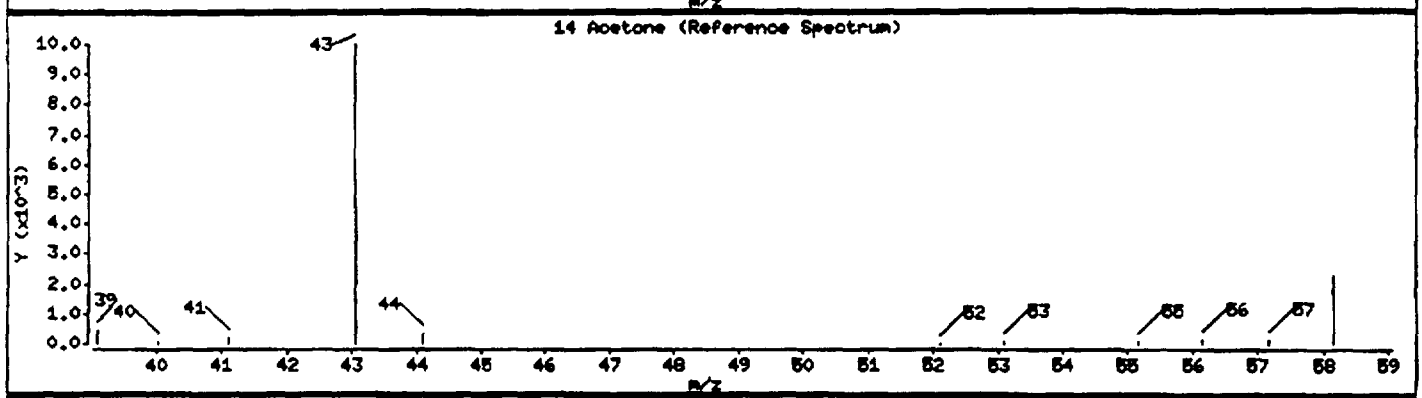
Column diameter: 0.53

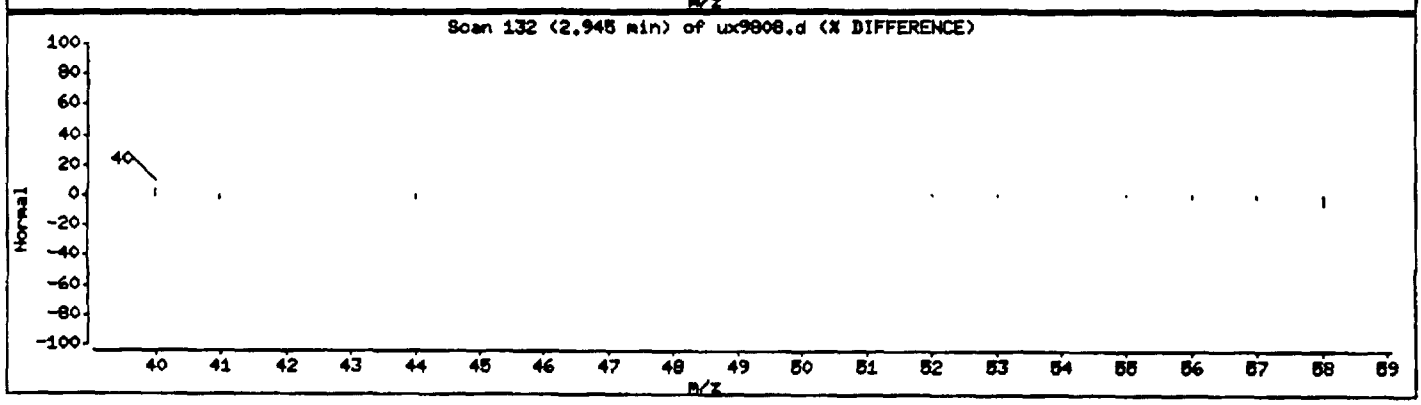
14 Acetone

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 Analyzed: 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 Analyzed: 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			

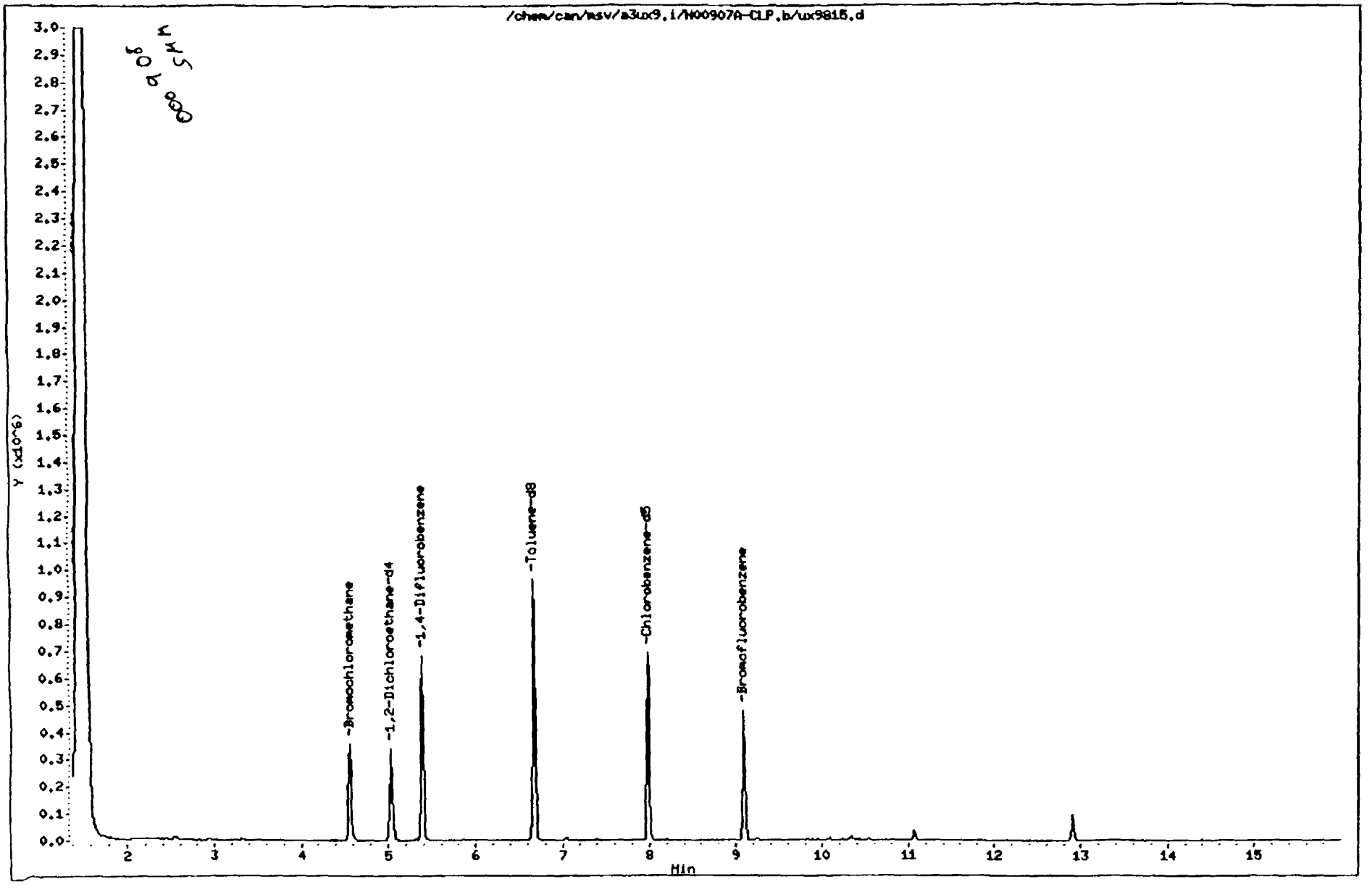
FORM I - TIC

Data File: /chem/can/msv/a3ux9.i/W00907A-CLP.b/ux9815.d
Date : 07-SEP-2000 14:15
Client ID: SL55-6"
Sample Info: DJRP710T,,5G/5HL

Instrument: a3ux9.i

Operator: 01819
Column diameter: 0.53

Column phase: RTX502.2



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 ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.565	4.565	(1.000)	102603	250.000	
* 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	589901	250.000	
* 3 Chlorobenzene-d5	117	7.984	7.985	(1.000)	438087	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	237247	271.434	63.014
$ 5 Toluene-d8	98	6.671	6.671	(0.835)	677202	299.931	69.629
$ 6 Bromofluorobenzene	95	9.096	9.097	(1.139)	168515	217.403	50.470
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/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.					

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
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	3.2	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

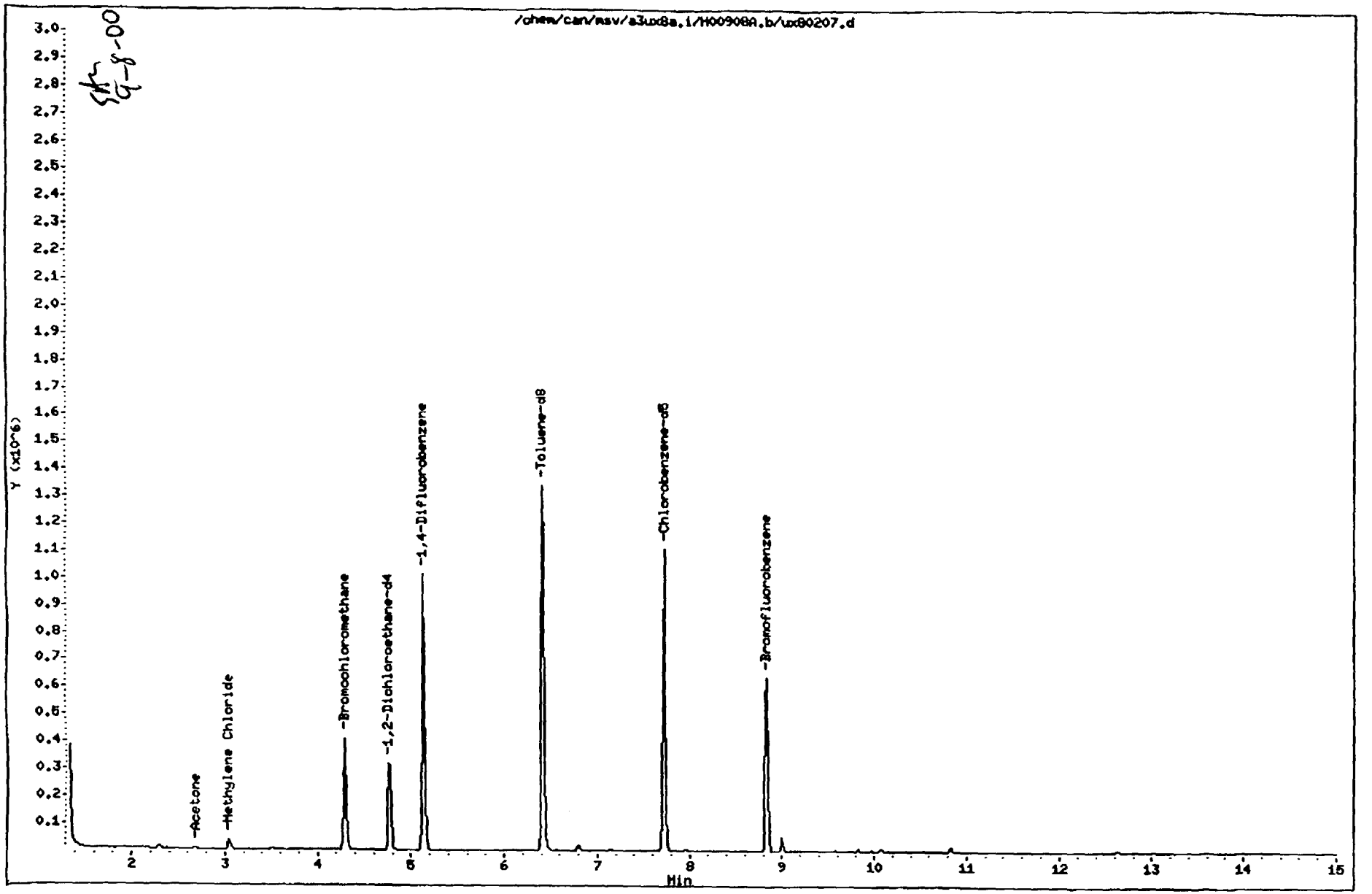
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: /chem/can/msv/a3ux8a.i/H00908A.b/ux80207.d
Date : 08-SEP-2000 20:20
Client ID: MLDBLK
Sample Info: DJRPG101,,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807
Column diameter: 0.18



9-8-00

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	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Bromochloromethane	128	4.304	4.303	(1.000)	132557	250.000	
* 2 1,4-Difluorobenzene	114	5.132	5.132	(1.000)	886944	250.000	
* 3 Chlorobenzene-d5	117	7.723	7.723	(1.000)	721821	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.765	4.777	(1.107)	230385	261.453	52.291
$ 5 Toluene-d8	98	6.410	6.410	(0.830)	952091	245.480	49.096
$ 6 Bromofluorobenzene	95	8.836	8.835	(1.144)	263754	230.368	46.074
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.					
16 Methylene Chloride	84	3.049	3.049	(0.709)	16219	15.9592	3.192
14 Acetone	43	2.694	2.694	(0.626)	6461	14.7669	2.953
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	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	81 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/oan/msv/a3ux8a.i/H00908A.b/ux80207.d

Page 8

Date : 08-SEP-2000 20:20

Client ID: HLDBLK

Instrument: a3ux8a.i

Sample Info: DJRPG101,,5ML/5ML

Purge Volume: 5.0

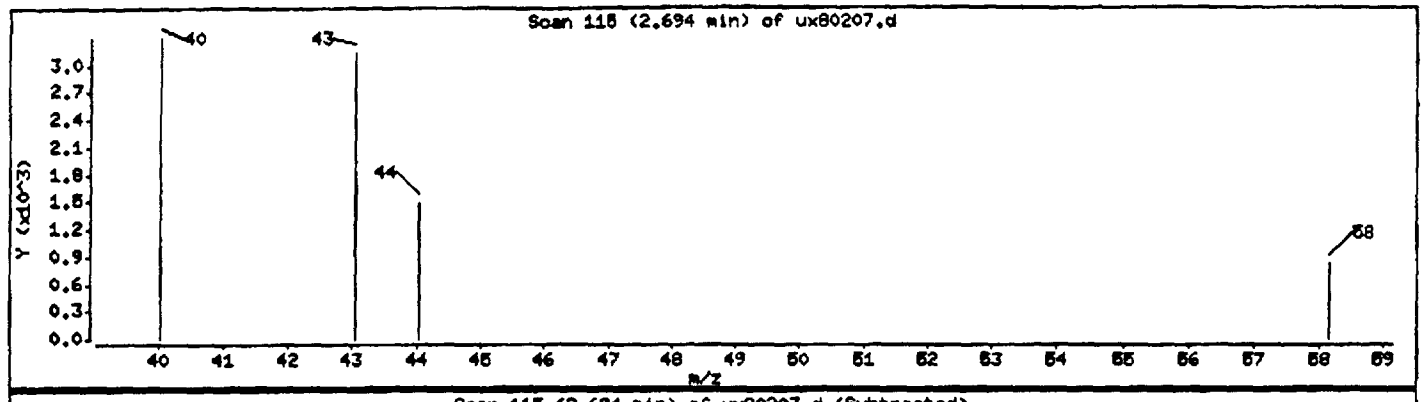
Operator: 2807

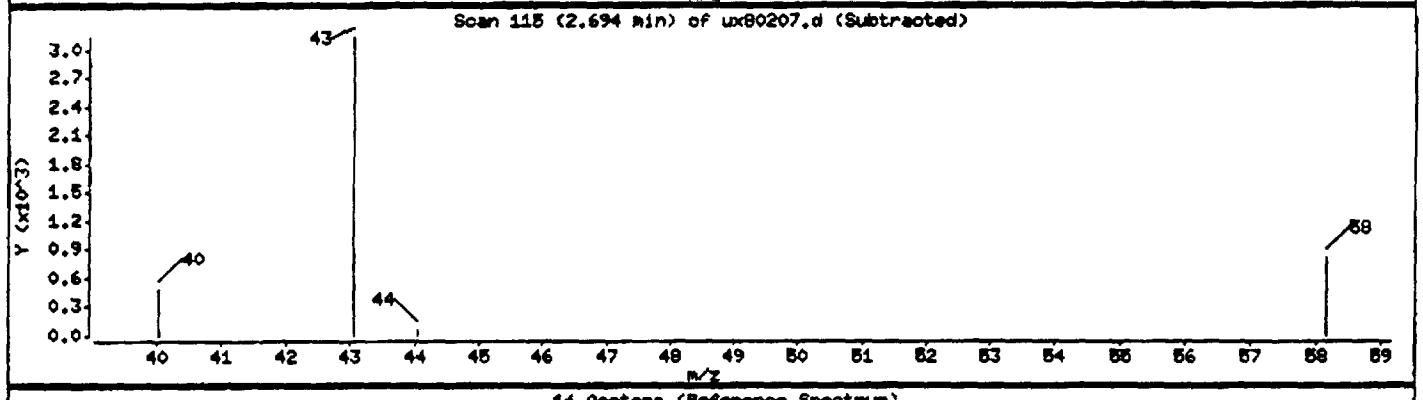
Column phase: DB624 20m

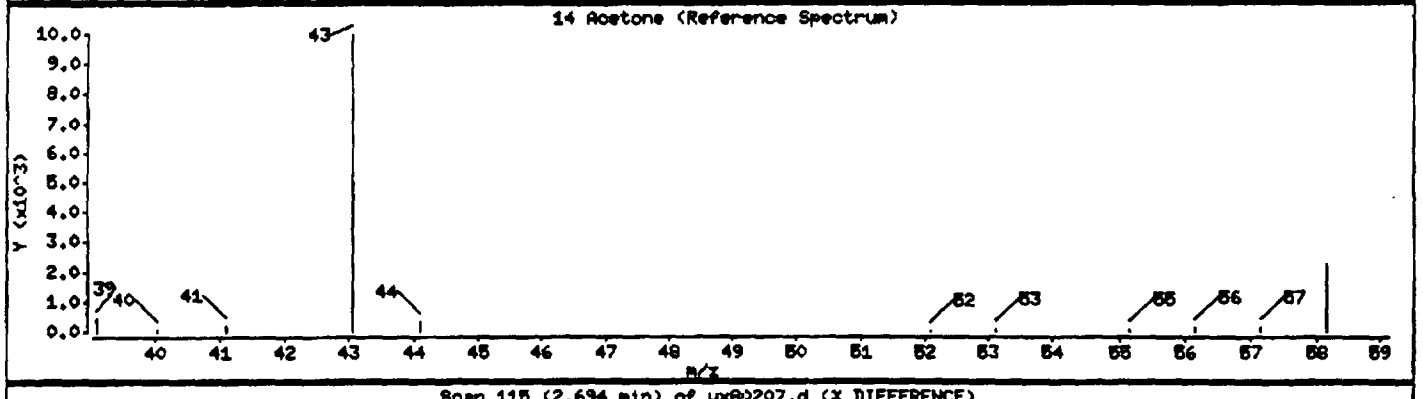
Column diameter: 0.18

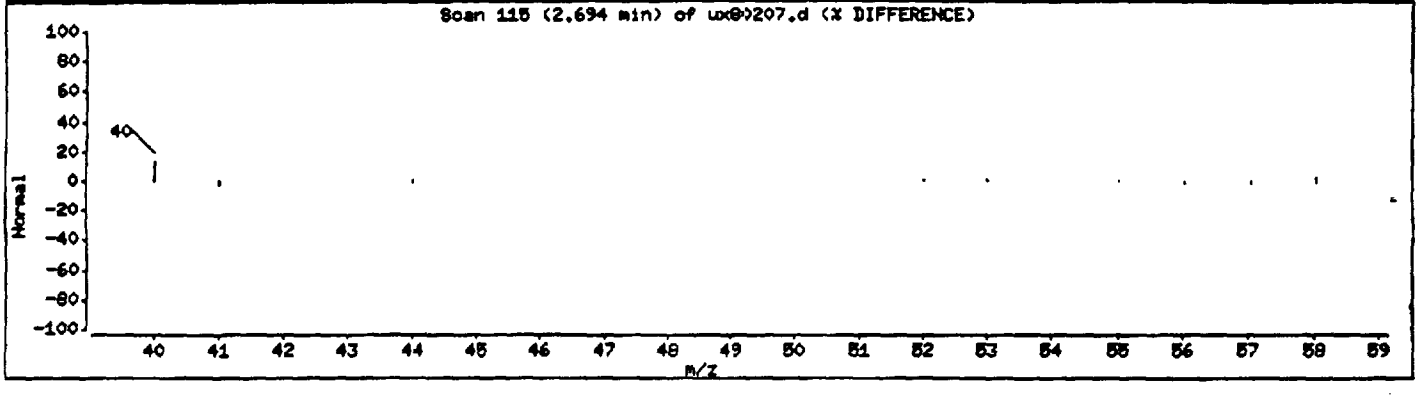
14 Acetone

Concentration: 2.953 ug/L









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Date : 08-SEP-2000 20:20

Client ID: HLDBLK

Instrument: a3ux8a.i

Sample Info: DJRPC101,,5ML/5ML

Purge Volume: 5.0

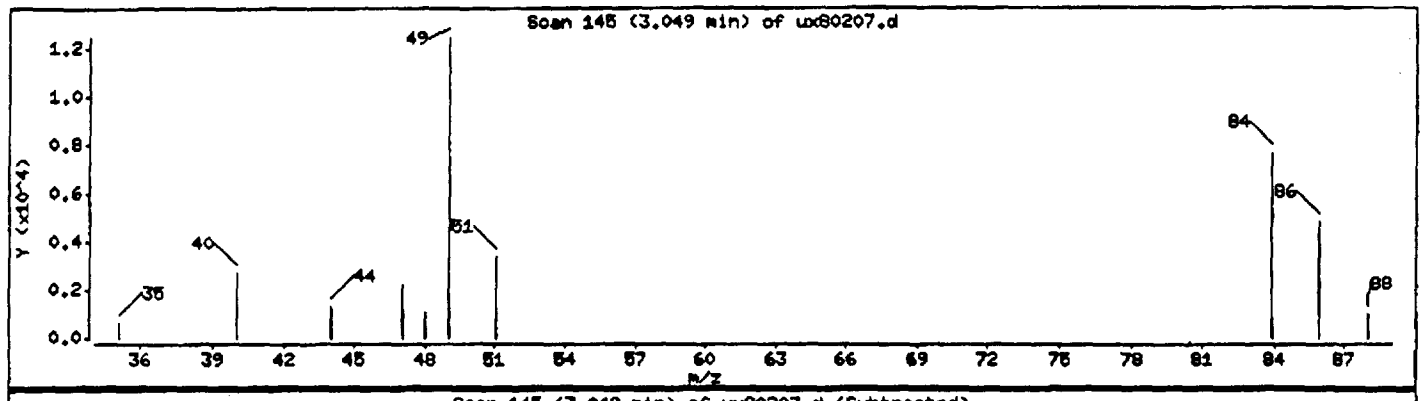
Operator: 2807

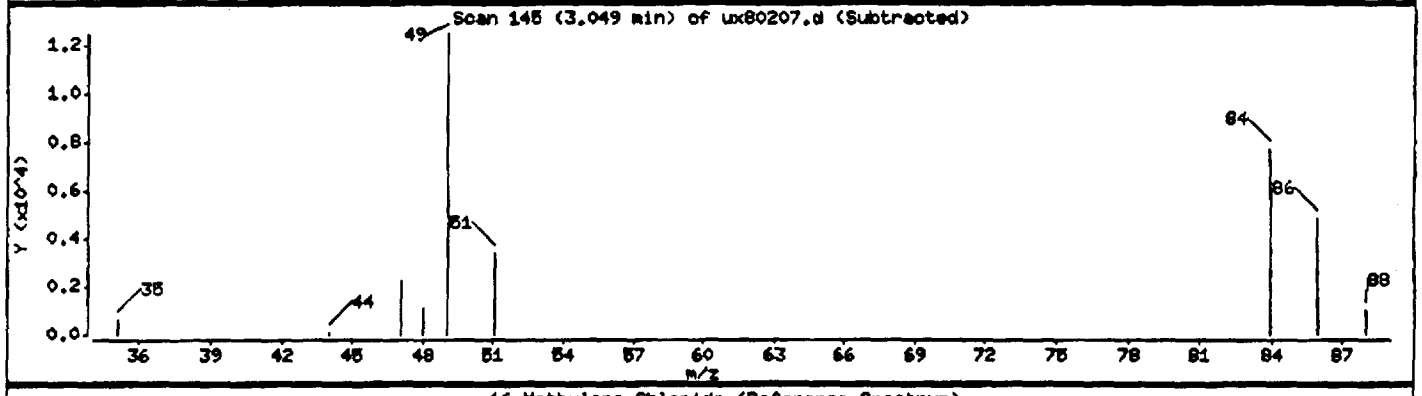
Column phase: DB624 20m

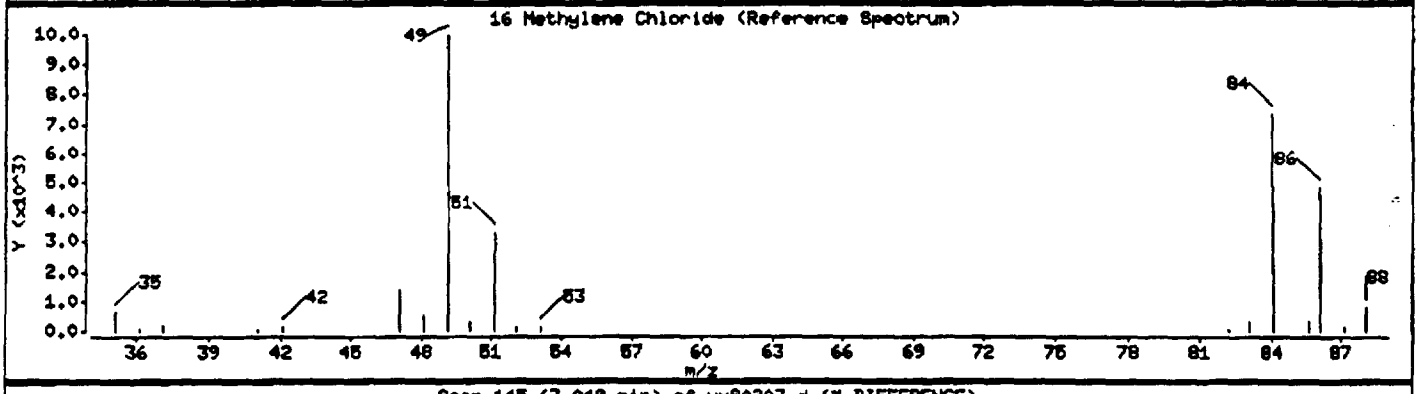
Column diameter: 0.18

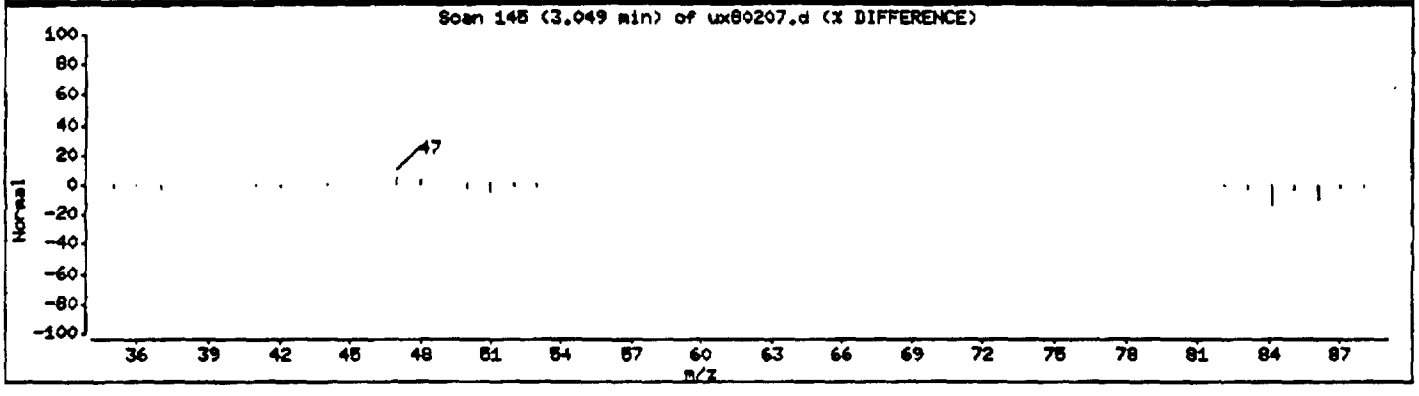
16 Methylene Chloride

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

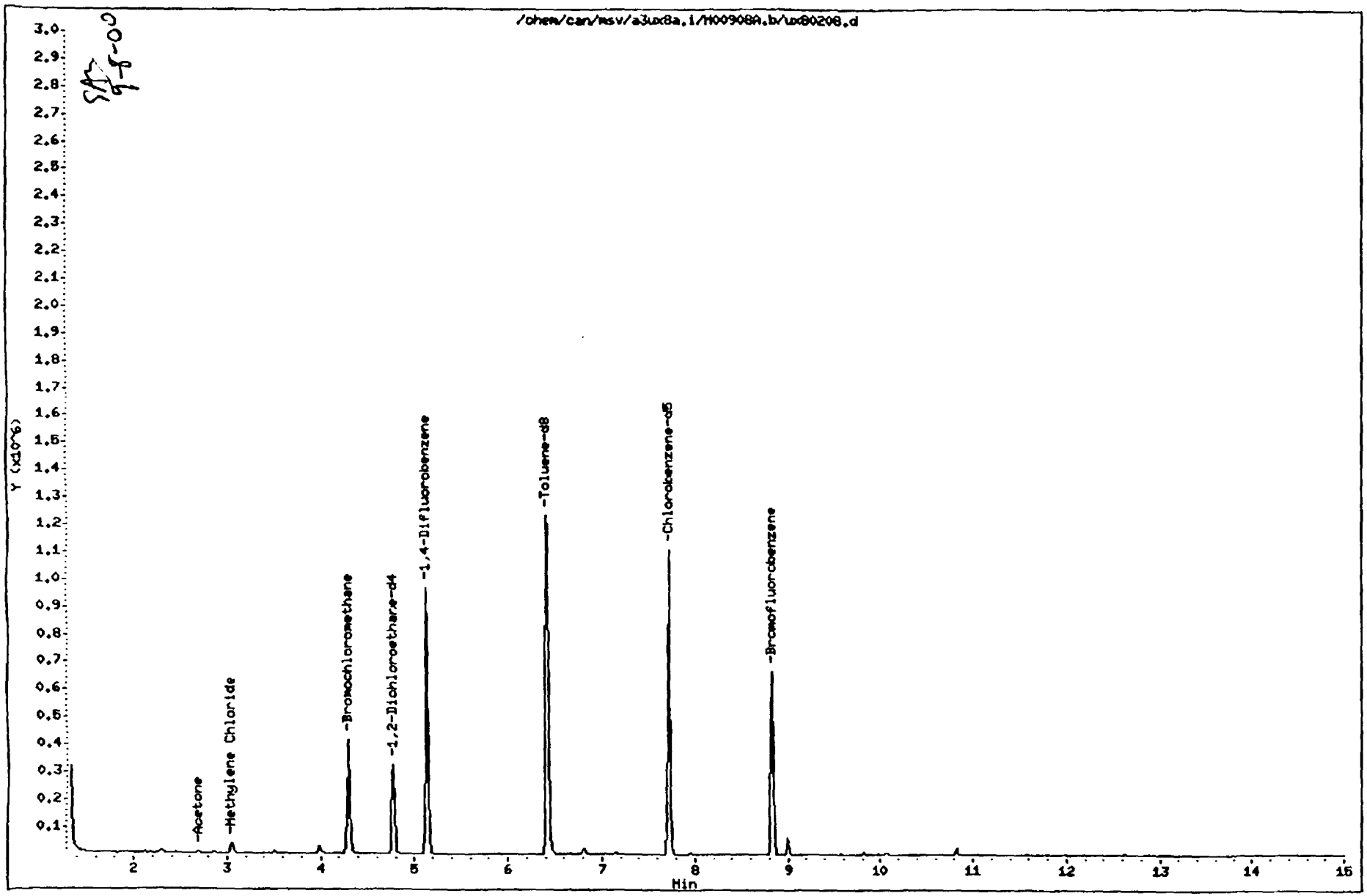
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: /chem/can/msv/a3ux8a.i/H00908A.b/ux80208.d
Date : 08-SEP-2000 20:43
Client ID: TRIP BLANK
Sample Info: DJRRK101,,5HL/5HL
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807
Column diameter: 0.18



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 (ng)	FINAL (ug/L)
* 1 Bromochloromethane	128	4.302	4.303	(1.000)	131752	250.000	
* 2 1,4-Difluorobenzene	114	5.130	5.132	(1.000)	880074	250.000	
* 3 Chlorobenzene-d5	117	7.721	7.723	(1.000)	723139	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.775	4.777	(1.110)	221155	252.512	50.502
$ 5 Toluene-d8	98	6.408	6.410	(0.830)	940199	241.972	48.394
$ 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	3.047	3.049	(0.708)	18358	18.1743	3.635
14 Acetone	43	2.692	2.694	(0.626)	6802	15.6413	3.128
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	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	81 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/can/msv/a3ux8a.i/M00908A.b/ux80208.d

Page 7

Date : 08-SEP-2000 20:43

Client ID: TRIP BLANK

Instrument: a3ux8a.i

Sample Info: DJRRK101,,5ML/5ML

Purge Volume: 5.0

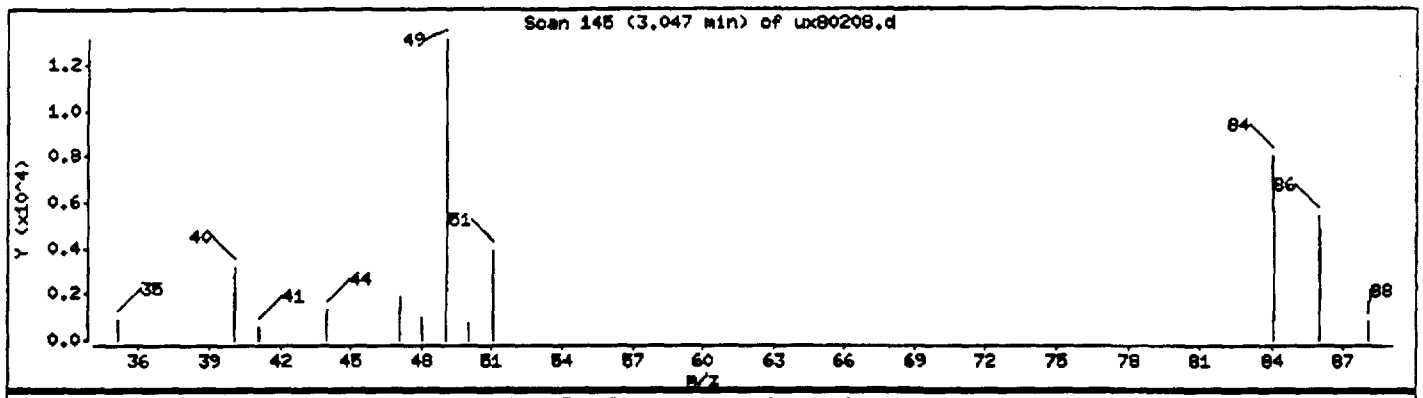
Operator: 2807

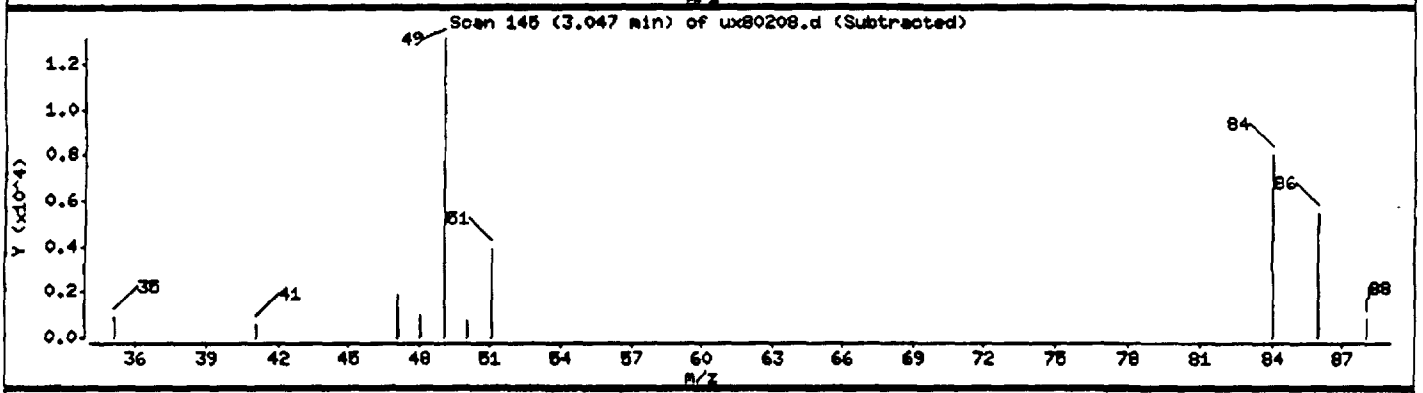
Column phase: DB624 20m

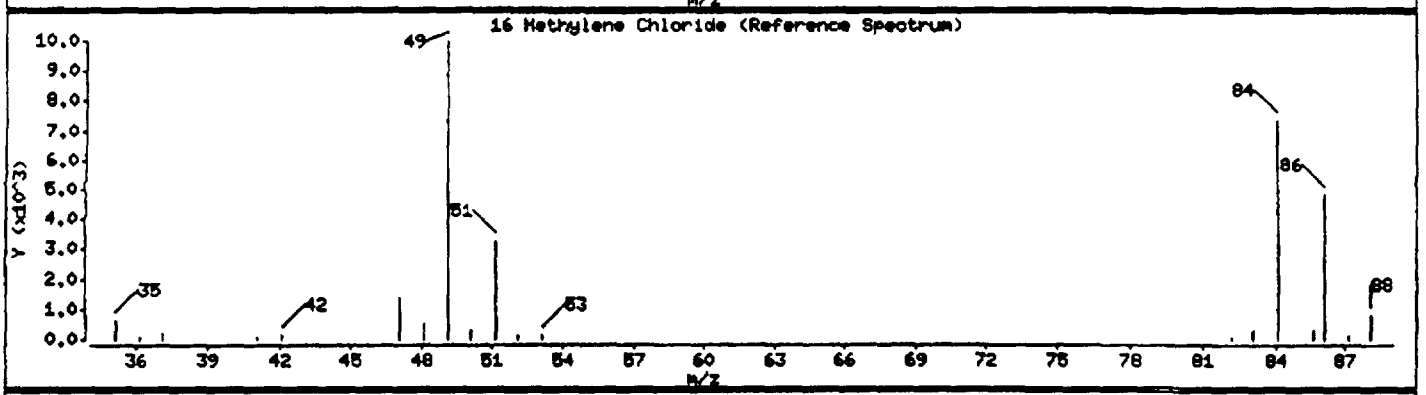
Column diameter: 0.18

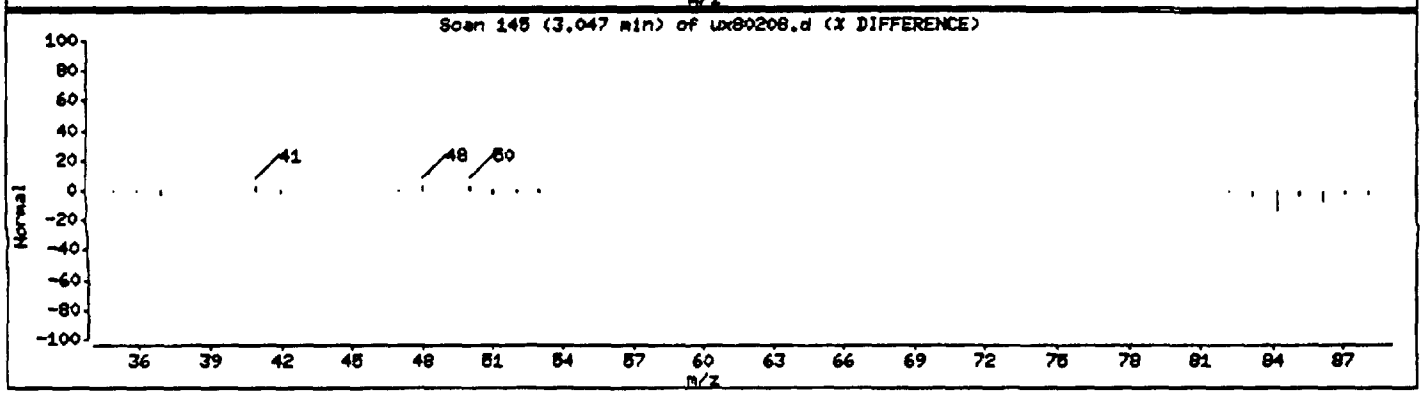
16 Methylene Chloride

Concentration: 3.635 ug/L









Data File: /chem/oan/msv/a3ux8a.i/M00908A.b/ux80208.d

Date : 08-SEP-2000 20:43

Client ID: TRIP BLANK

Instrument: a3ux8a.i

Sample Info: DJRRK101,,5ML/5ML

Purge Volume: 5.0

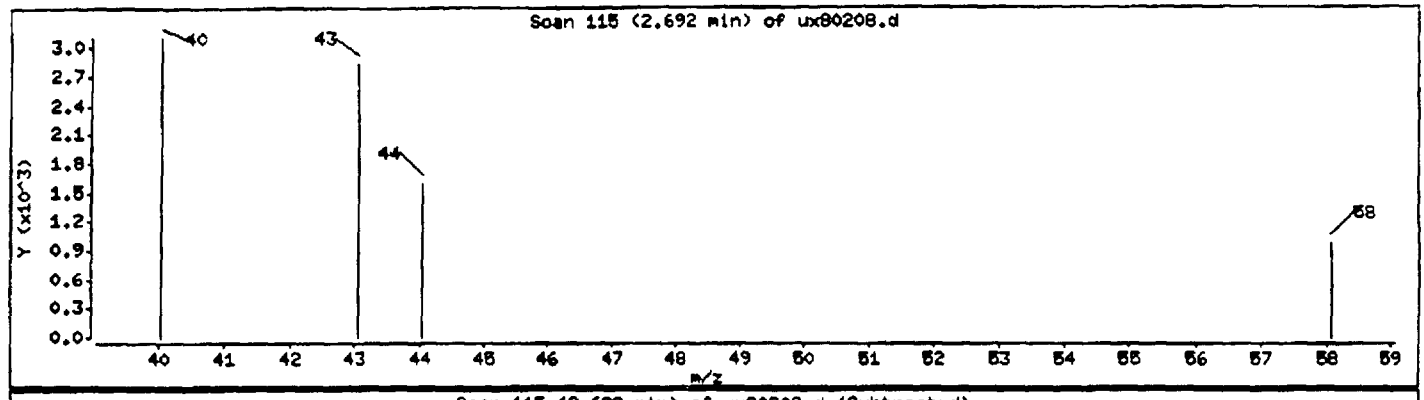
Operator: 2007

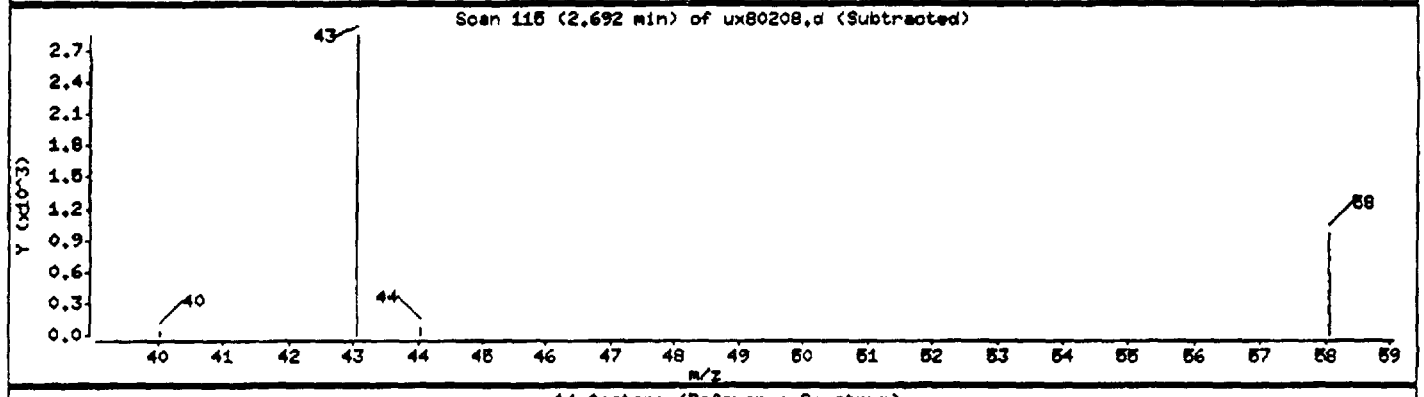
Column phase: DB624 20m

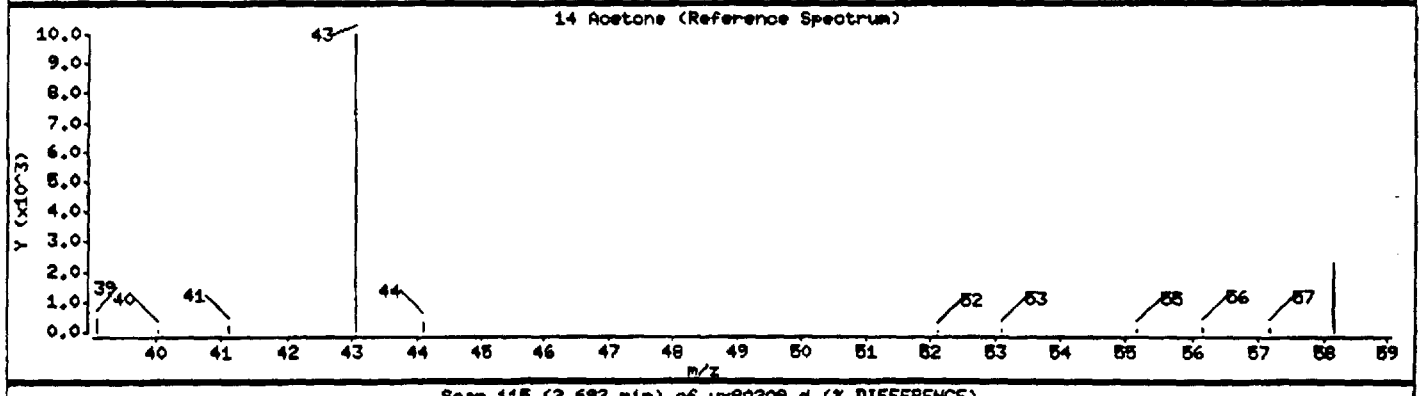
Column diameter: 0.18

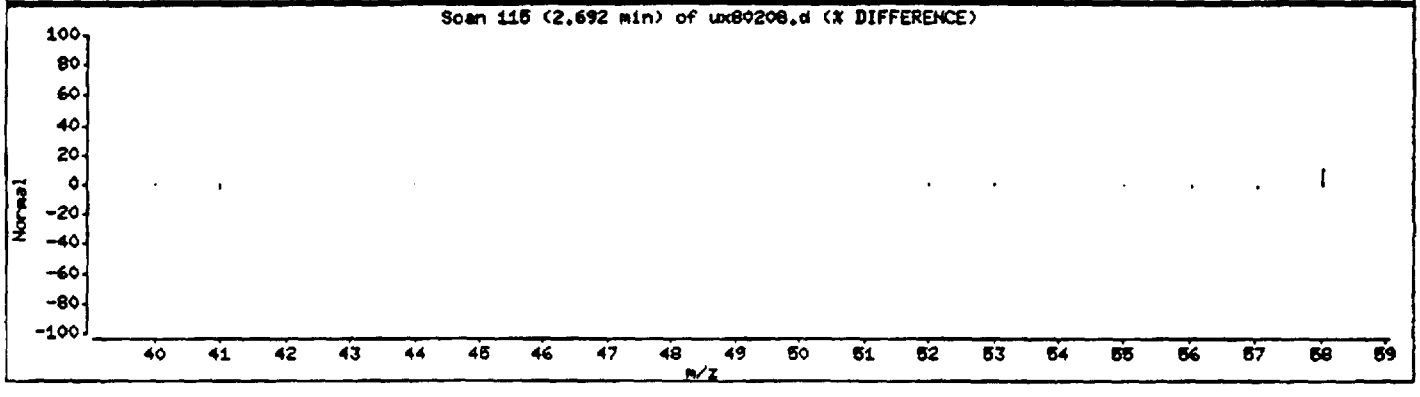
14 Acetone

Concentration: 3.128 ug/L









Committed To *Your* Success

STANDARD DATA

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

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

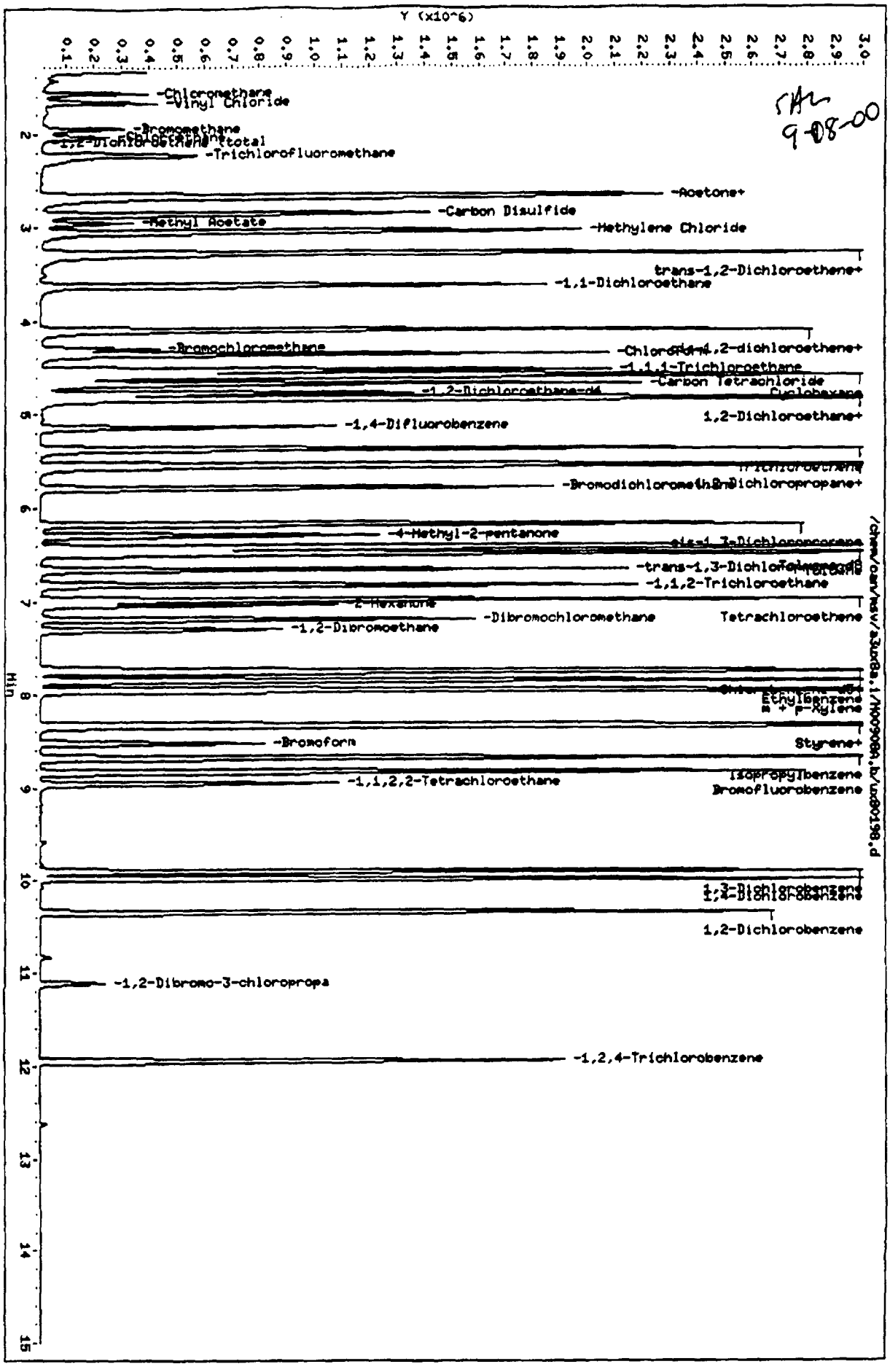
COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		0.647	0.611	0.650	0.649	0.659	0.643	2.9
Bromomethane	*	0.478	0.454	0.483	0.473	0.451	0.468	3.1*
Vinyl Chloride	*	0.656	0.667	0.685	0.704	0.705	0.683	3.2*
Chloroethane		0.539	0.519	0.547	0.537	0.528	0.534	2.0
Methylene Chloride		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	1.110	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 maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA OLM03.0

Data File: /chem/can/msv/a3ux8a.i/H009080.b/ux80198.d
Date : 08-SEP-2000 16:52
Client ID: VSTD200
Sample Info: 1000NG-IC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i
Operator: 2807
Column diameter: 0.18



SAL 9-08-00

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	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.301	4.301	(1.000)	137701	250.000	
* 2 1,4-Difluorobenzene	114	5.130	5.130	(1.000)	997557	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)	933421	1000.00	1000.0
$ 5 Toluene-d8	98	6.419	6.419	(0.831)	4049769	1000.00	1000.0(A)
$ 6 Bromofluorobenzene	95	8.833	8.833	(1.144)	1149737	1000.00	1000.0
8 Chloromethane	50	1.580	1.580	(0.367)	362787	1000.00	1000.0
10 Bromomethane	94	1.958	1.958	(0.455)	248345	1000.00	1000.0(A)
9 Vinyl Chloride	62	1.674	1.674	(0.389)	388430	1000.00	1000.0
11 Chloroethane	64	2.041	2.041	(0.475)	290640	1000.00	1000.0
16 Methylene Chloride	84	3.047	3.047	(0.708)	988121	1000.00	1000.0
14 Acetone	43	2.680	2.680	(0.623)	518084	1000.00	1000.0
17 Carbon Disulfide	76	2.858	2.858	(0.664)	2517182	1000.00	1000.0
15 1,1-Dichloroethene	96	2.668	2.668	(0.620)	921091	1000.00	1000.0
21 1,1-Dichloroethane	63	3.627	3.627	(0.843)	1992287	1000.00	1000.0(A)
19 trans-1,2-Dichloroethene	96	3.284	3.284	(0.763)	1126002	1000.00	1000.0

Data File: /chem/can/msv/a3ux8a.i/M00908A.b/ux80198.d
Report Date: 08-Sep-2000 16:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
23 cis-1,2-dichloroethene	96	4.100	4.100	(0.953)	1182145	1000.00	1000.0
M 81 1,2-Dichloroethene (total)	96				2308147	2000.00	2000.0(A)
24 Chloroform	83	4.361	4.361	(1.014)	1735386	1000.00	1000.0
27 1,2-Dichloroethane	62	4.834	4.834	(1.124)	1134926	1000.00	1000.0
22 2-Butanone	43	4.088	4.088	(0.950)	624027	1000.00	1000.0
25 1,1,1-Trichloroethane	97	4.526	4.526	(0.882)	1476604	1000.00	1000.0
26 Carbon Tetrachloride	117	4.668	4.668	(0.910)	1499755	1000.00	1000.0
31 Bromodichloromethane	83	5.780	5.780	(1.127)	1263780	1000.00	1000.0
30 1,2-Dichloropropane	63	5.556	5.556	(1.083)	1107614	1000.00	1000.0
34 cis-1,3-Dichloropropene	75	6.171	6.171	(1.203)	1602337	1000.00	1000.0(A)
29 Trichloroethene	130	5.366	5.366	(1.046)	1322002	1000.00	1000.0
40 Dibromochloromethane	129	7.189	7.189	(1.401)	954792	1000.00	1000.0
38 1,1,2-Trichloroethane	97	6.822	6.822	(1.330)	769364	1000.00	1000.0(A)
28 Benzene	78	4.834	4.834	(0.942)	4249304	1000.00	1000.0
36 trans-1,3-Dichloropropene	75	6.656	6.656	(1.298)	1303642	1000.00	1000.0
46 Bromoform	173	8.526	8.526	(1.662)	466649	1000.00	1000.0
33 4-Methyl-2-pentanone	58	6.289	6.289	(0.815)	312943	1000.00	1000.0
37 2-Hexanone	43	7.035	7.035	(0.911)	801372	1000.00	1000.0
39 Tetrachloroethene	164	6.976	6.976	(0.903)	982258	1000.00	1000.0
47 1,1,2,2-Tetrachloroethane	83	8.952	8.952	(1.159)	601928	1000.00	1000.0
35 Toluene	91	6.479	6.479	(0.839)	4920860	1000.00	1000.0
41 Chlorobenzene	112	7.757	7.757	(1.005)	3171264	1000.00	1000.0
42 Ethylbenzene	106	7.851	7.851	(1.017)	1697905	1000.00	1000.0
45 Styrene	104	8.348	8.348	(1.081)	2955572	1000.00	1000.0
43 m + p-Xylene	106	7.958	7.958	(1.031)	3766065	2000.00	2000.0(A)
44 Xylene-o	106	8.336	8.336	(1.080)	1750348	1000.00	1000.0
M 80 Xylenes (total)	106				5516413	1000.00	3151.6(A)
12 Trichlorofluoromethane	101	2.231	2.231	(0.519)	779961	1000.00	1000.0(A)
7 Dichlorodifluoromethane	85	1.438	1.438	(0.334)	94055	1000.00	1000.0
48 1,3-Dichlorobenzene	146	9.898	9.898	(1.282)	1724539	1000.00	1000.0
49 1,4-Dichlorobenzene	146	9.981	9.981	(1.293)	1680165	1000.00	1000.0
50 1,2-Dichlorobenzene	146	10.348	10.348	(1.340)	1445085	1000.00	1000.0
82 Methyl tert-butyl ether	73	3.284	3.284	(0.763)	1557601	1000.00	1000.0
63 1,2-Dibromoethane	107	7.295	7.295	(1.422)	709040	1000.00	1000.0
51 Freon-113	151	2.692	2.692	(0.626)	510190	1000.00	1000.0
69 1,2-Dibromo-3-chloropropane	157	11.117	11.117	(1.440)	89251	1000.00	1000.0(A)
90 Cyclohexane	56	4.585	4.585	(0.894)	1867246	1000.00	1000.0
91 Isopropylbenzene	105	8.679	8.679	(1.124)	4464230	1000.00	1000.0
92 Methyl Acetate	43	2.964	2.964	(0.689)	551958	1000.00	1000.0
93 Methylcyclohexane	83	5.544	5.544	(1.081)	1841563	1000.00	1000.0
94 1,2,4-Trichlorobenzene	180	11.957	11.957	(1.549)	774910	1000.00	1000.0

QC Flag Legend

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

Data File: /ohem/can/msv/a3ux8a.i/M00908A.b/ux80199.d

Date : 08-SEP-2000 17:15

Client ID: VSTD100

Sample Info: 500NG-IC

Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18

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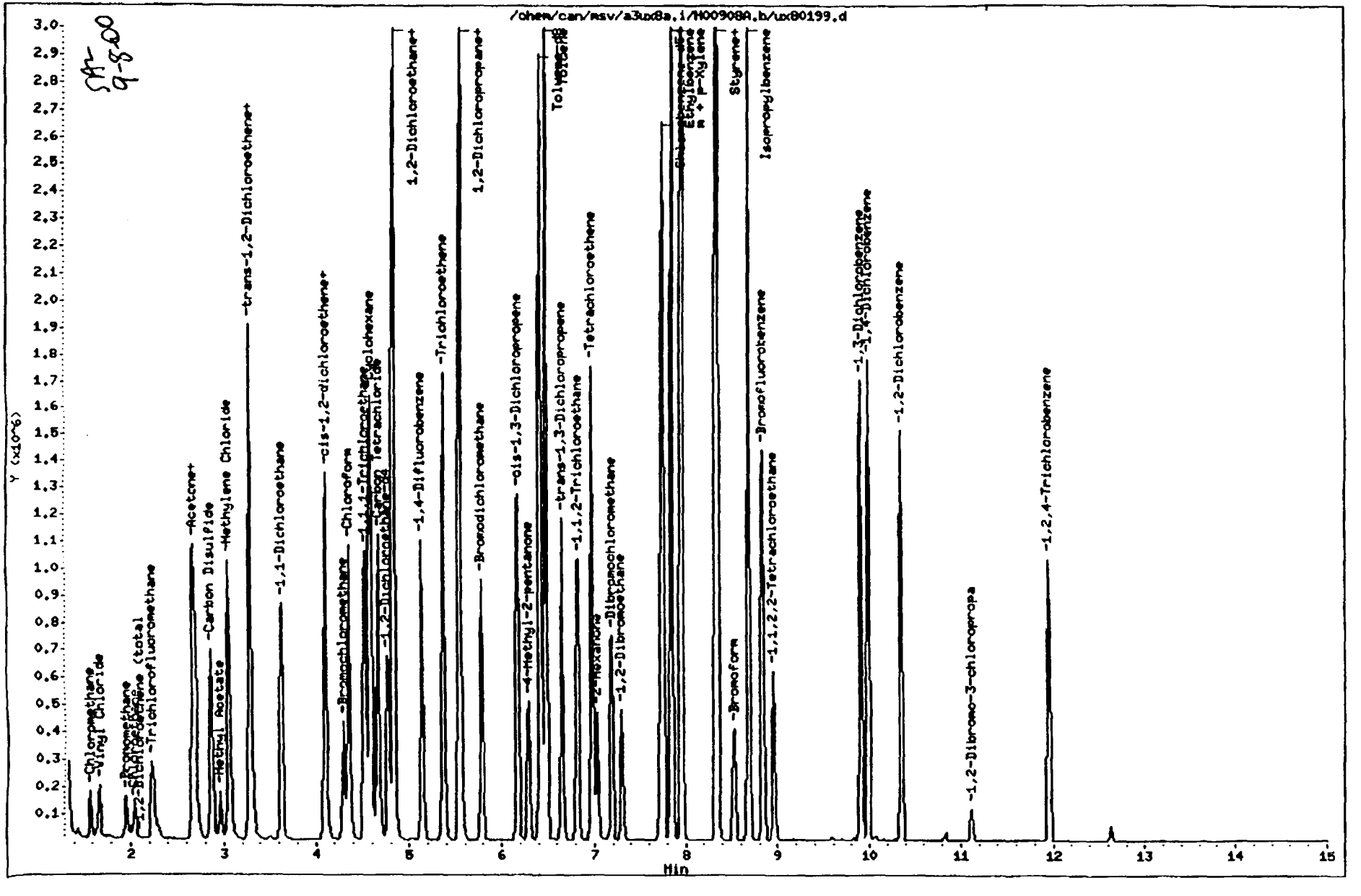


SAL 9-8-00

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)	136589	250.000	
* 2 1,4-Difluorobenzene	114	5.132	5.132	(1.000)	983259	250.000	
* 3 Chlorobenzene-d5	117	7.724	7.724	(1.000)	784845	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.765	4.765	(1.107)	478356	500.000	508.19
$ 5 Toluene-d8	98	6.410	6.410	(0.830)	2132044	500.000	505.49
$ 6 Bromofluorobenzene	95	8.824	8.824	(1.142)	634291	500.000	517.18
8 Chloromethane	50	1.582	1.582	(0.368)	177284	500.000	496.30
10 Bromomethane	94	1.961	1.961	(0.456)	129151	500.000	511.85
9 Vinyl Chloride	62	1.677	1.677	(0.390)	192350	500.000	499.61
11 Chloroethane	64	2.044	2.044	(0.475)	146615	500.000	504.24
16 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)	1238852	500.000	498.08
15 1,1-Dichloroethene	96	2.659	2.659	(0.618)	453305	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

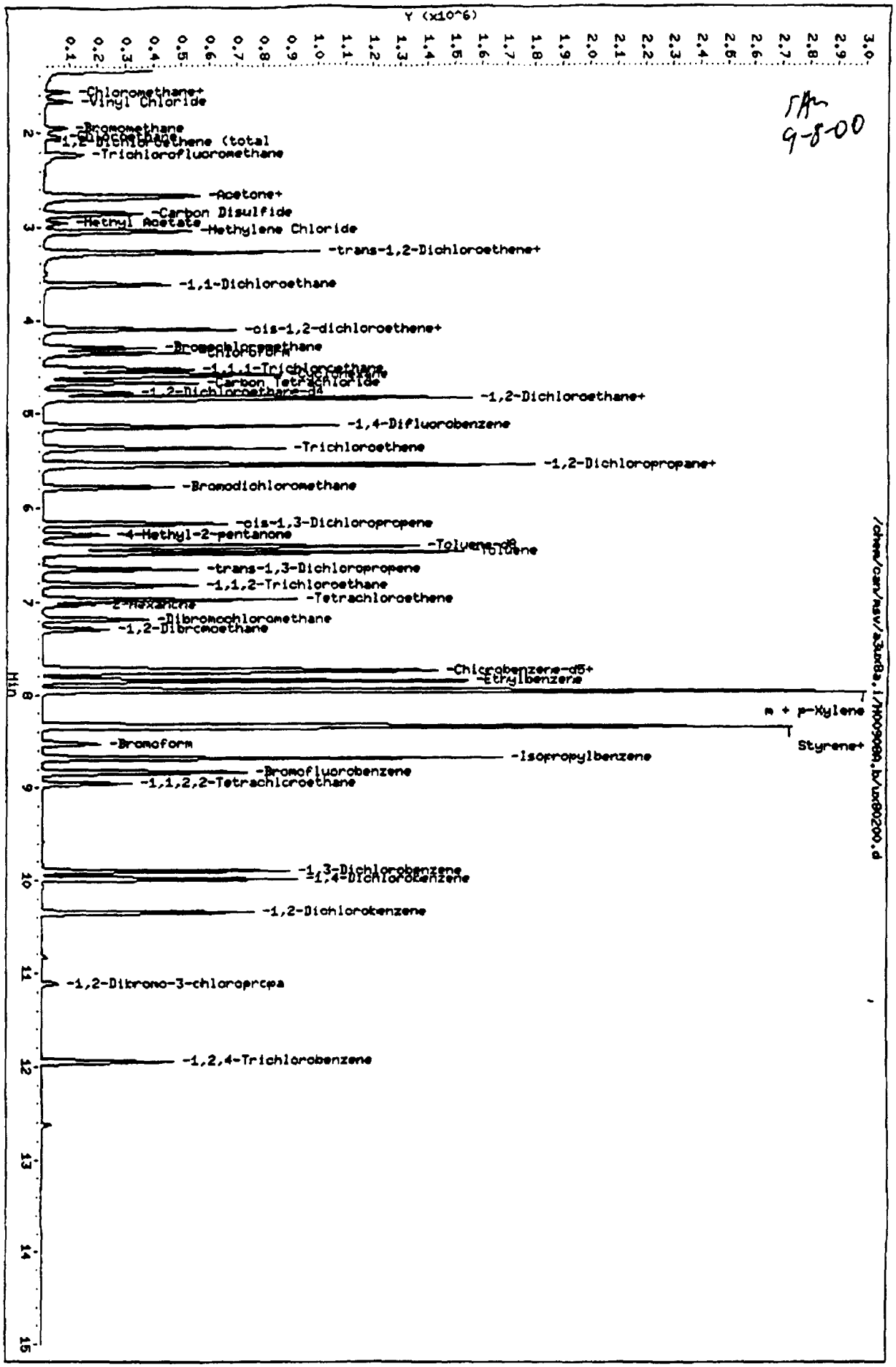
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
23 cis-1,2-dichloroethene	96	4.103	4.103	(0.953)	585091	500.000	499.48
M 81 1,2-Dichloroethene (total)	96				1143868	1000.00	999.61
24 Chloroform	83	4.351	4.351	(1.011)	852035	500.000	497.47
27 1,2-Dichloroethane	62	4.836	4.836	(1.124)	582349	500.000	508.50
22 2-Butanone	43	4.091	4.091	(0.950)	299263	500.000	491.60
25 1,1,1-Trichloroethane	97	4.529	4.529	(0.882)	761244	500.000	511.26
26 Carbon Tetrachloride	117	4.671	4.671	(0.910)	748499	500.000	503.15
31 Bromodichloromethane	83	5.783	5.783	(1.127)	629366	500.000	502.61
30 1,2-Dichloropropane	63	5.558	5.558	(1.083)	573959	500.000	512.54
34 cis-1,3-Dichloropropene	75	6.174	6.174	(1.203)	795307	500.000	501.77
29 Trichloroethene	130	5.369	5.369	(1.046)	654844	500.000	501.27
40 Dibromochloromethane	129	7.191	7.191	(1.401)	489709	500.000	509.97
38 1,1,2-Trichloroethane	97	6.824	6.824	(1.330)	396599	500.000	511.23
28 Benzene	78	4.836	4.836	(0.942)	2182912	500.000	510.37
36 trans-1,3-Dichloropropene	75	6.647	6.647	(1.295)	649811	500.000	502.84
46 Bromoform	173	8.528	8.528	(1.662)	249779	500.000	520.63
33 4-Methyl-2-pentanone	58	6.292	6.292	(0.815)	138796	500.000	462.70
37 2-Hexanone	43	7.026	7.026	(0.910)	365716	500.000	469.80
39 Tetrachloroethene	164	6.978	6.978	(0.903)	487198	500.000	490.59
47 1,1,2,2-Tetrachloroethane	83	8.954	8.954	(1.159)	330687	500.000	516.13
35 Toluene	91	6.469	6.469	(0.838)	2516256	500.000	498.20
41 Chlorobenzene	112	7.747	7.747	(1.003)	1646149	500.000	501.96
42 Ethylbenzene	106	7.842	7.842	(1.015)	877493	500.000	500.86
45 Styrene	104	8.339	8.339	(1.080)	1601685	500.000	512.72
43 m + p-Xylene	106	7.960	7.960	(1.031)	2050519	1000.00	1027.8(A)
44 Xylene-o	106	8.327	8.327	(1.078)	953060	500.000	513.90
M 80 Xylenes (total)	106				3003579	500.000	1619.6(A)
12 Trichlorofluoromethane	101	2.233	2.233	(0.519)	363466	500.000	484.43
7 Dichlorodifluoromethane	85	1.440	1.440	(0.335)	43481	500.000	482.43
48 1,3-Dichlorobenzene	146	9.901	9.901	(1.282)	913765	500.000	507.10
49 1,4-Dichlorobenzene	146	9.984	9.984	(1.293)	882344	500.000	504.86
50 1,2-Dichlorobenzene	146	10.351	10.351	(1.340)	765178	500.000	506.93
82 Methyl tert-butyl ether	73	3.275	3.275	(0.761)	817937	500.000	514.28
63 1,2-Dibromoethane	107	7.298	7.298	(1.422)	361795	500.000	508.69
51 Freon-113	151	2.695	2.695	(0.626)	252929	500.000	499.90
69 1,2-Dibromo-3-chloropropane	157	11.120	11.120	(1.440)	45564	500.000	497.80
90 Cyclohexane	56	4.588	4.588	(0.894)	940076	500.000	505.33
91 Isopropylbenzene	105	8.682	8.682	(1.124)	2376217	500.000	508.21
92 Methyl Acetate	43	2.955	2.955	(0.687)	281203	500.000	506.71
93 Methylcyclohexane	83	5.546	5.546	(1.081)	941406	500.000	509.15
94 1,2,4-Trichlorobenzene	180	11.948	11.948	(1.547)	385938	500.000	491.61

QC Flag Legend

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

Data File: /chem/can/msv/a3ux8a.i/H009088.b/ux80200.d
Date : 08-SEP-2000 17:38
Client ID: VSTD050
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i
Operator: 2807
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/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)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.302	4.302	(1.000)	136017	250.000	
* 2 1,4-Difluorobenzene	114	5.130	5.130	(1.000)	969716	250.000	
* 3 Chlorobenzene-d5	117	7.722	7.722	(1.000)	773025	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.775	4.775	(1.110)	226043	250.000	244.03
$ 5 Toluene-d8	98	6.408	6.408	(0.830)	1038406	250.000	249.97
$ 6 Bromofluorobenzene	95	8.834	8.834	(1.144)	306535	250.000	252.49
8 Chloromethane	50	1.581	1.581	(0.367)	88419	250.000	249.04
10 Bromomethane	94	1.959	1.959	(0.455)	65690	250.000	257.51
9 Vinyl Chloride	62	1.675	1.675	(0.389)	93222	250.000	245.39
11 Chloroethane	64	2.042	2.042	(0.475)	74368	250.000	254.52
16 Methylene Chloride	84	3.048	3.048	(0.708)	260702	250.000	260.68
14 Acetone	43	2.693	2.693	(0.626)	112238	250.000	231.28
17 Carbon Disulfide	76	2.859	2.859	(0.664)	621883	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)	488789	250.000	249.46
19 trans-1,2-Dichloroethene	96	3.285	3.285	(0.763)	281387	250.000	251.94

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	23 cis-1,2-dichloroethene	96	4.101	4.101	(0.953)	288365	250.000	248.13
M	81 1,2-Dichloroethene (total)	96				569752	500.000	500.00
	24 Chloroform	83	4.349	4.349	(1.011)	427756	250.000	250.53
	27 1,2-Dichloroethane	62	4.835	4.835	(1.124)	290548	250.000	253.16
	22 2-Butanone	43	4.101	4.101	(0.953)	132706	250.000	228.38
	25 1,1,1-Trichloroethane	97	4.527	4.527	(0.882)	379336	250.000	255.49
	26 Carbon Tetrachloride	117	4.669	4.669	(0.910)	367434	250.000	250.29
	31 Bromodichloromethane	83	5.781	5.781	(1.127)	311787	250.000	251.64
	30 1,2-Dichloropropane	63	5.556	5.556	(1.083)	288841	250.000	257.57
	34 cis-1,3-Dichloropropene	75	6.172	6.172	(1.203)	388954	250.000	249.22
	29 Trichloroethene	130	5.367	5.367	(1.046)	327213	250.000	252.63
	40 Dibromochloromethane	129	7.189	7.189	(1.401)	246489	250.000	256.76
	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)	1102458	250.000	257.46
	36 trans-1,3-Dichloropropene	75	6.645	6.645	(1.295)	319328	250.000	250.37
	46 Bromoform	173	8.526	8.526	(1.662)	126097	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)	146841	250.000	207.71
	39 Tetrachloroethene	164	6.976	6.976	(0.903)	248859	250.000	252.93
	47 1,1,2,2-Tetrachloroethane	83	8.952	8.952	(1.159)	168849	250.000	261.44
	35 Toluene	91	6.468	6.468	(0.838)	1281421	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)	446215	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)	1068268	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	832.74
	12 Trichlorofluoromethane	101	2.231	2.231	(0.519)	181992	250.000	245.68
	7 Dichlorodifluoromethane	85	1.450	1.450	(0.337)	19824	250.000	229.80
	48 1,3-Dichlorobenzene	146	9.899	9.899	(1.282)	460624	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)	404069	250.000	253.40
	63 1,2-Dibromoethane	107	7.296	7.296	(1.422)	182826	250.000	257.00
	51 Freon-113	151	2.693	2.693	(0.626)	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	(0.894)	465348	250.000	252.41
	91 Isopropylbenzene	105	8.680	8.680	(1.124)	1200911	250.000	257.09
	92 Methyl Acetate	43	2.965	2.965	(0.689)	142235	250.000	254.87
	93 Methylcyclohexane	83	5.545	5.545	(1.081)	465923	250.000	253.64
	94 1,2,4-Trichlorobenzene	180	11.946	11.946	(1.547)	181905	250.000	239.97

Data File: /chem/carr/msv/a3ux8a.i/M0090080.b/ux80201.d
Date : 08-SEP-2000 18:02
Client ID: VSTD020
Sample Info: 100NC-IC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i
Operator: 2807
Column diameter: 0.18

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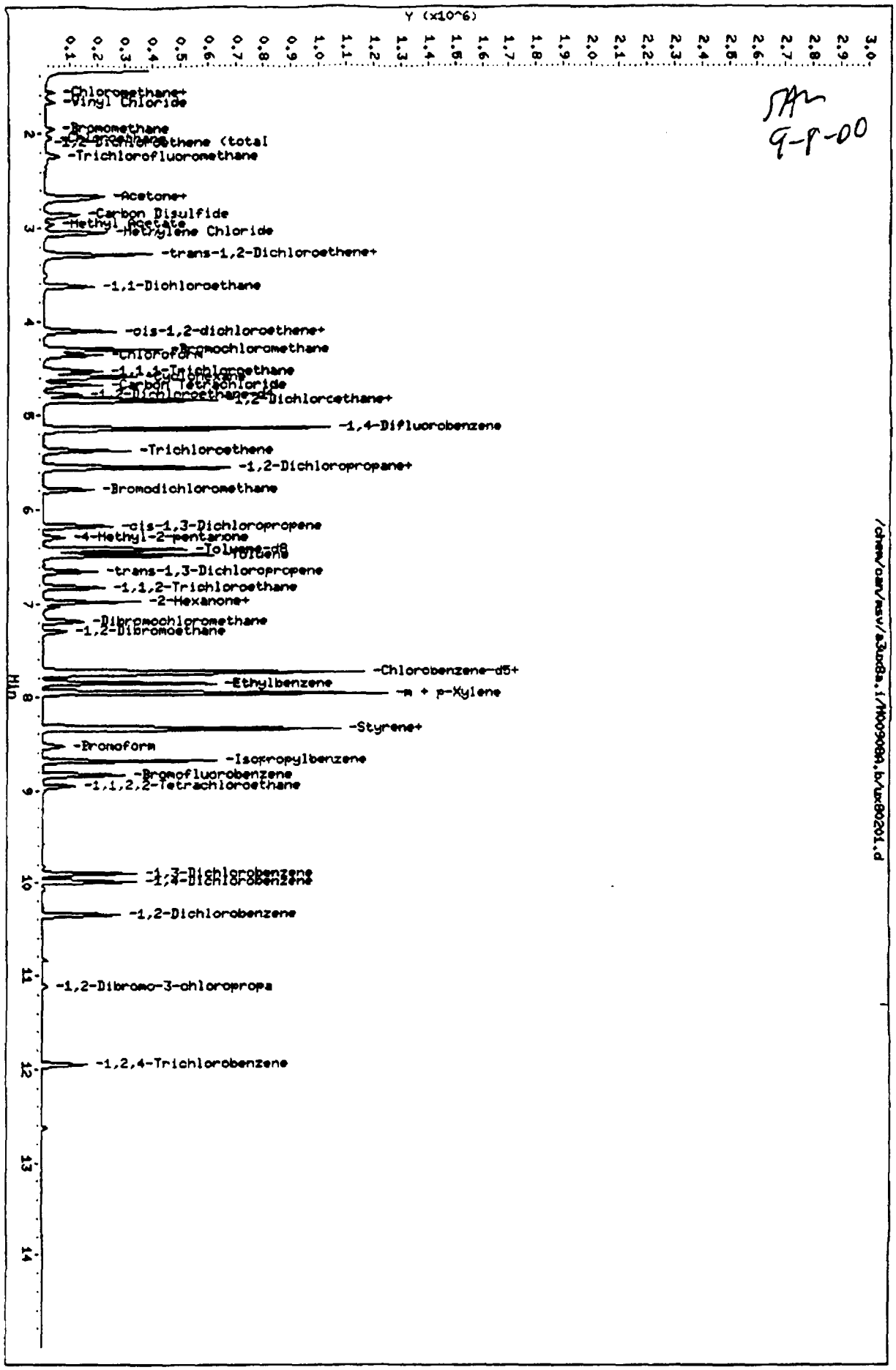


STM
9-8-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux8a.i/M00908A.b/ux80201.d
Lab Smp Id: 100NG-IC Client Smp ID: VSTD020
Inj Date : 08-SEP-2000 18:02
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 100NG-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: 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

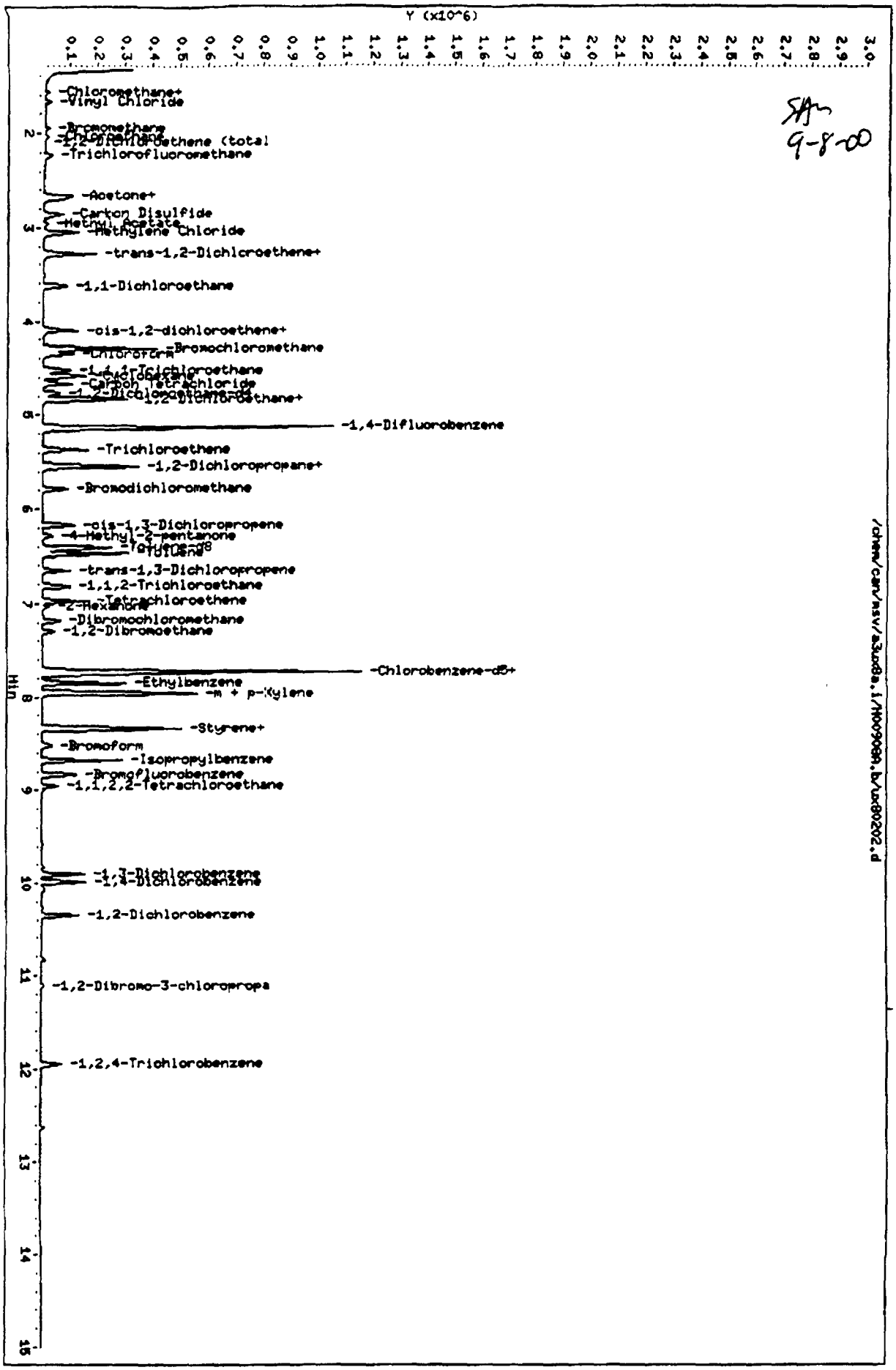
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.301	4.301	(1.000)	137816	250.000	
* 2 1,4-Difluorobenzene	114	5.129	5.129	(1.000)	959153	250.000	
* 3 Chlorobenzene-d5	117	7.721	7.721	(1.000)	780676	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.774	4.774	(1.110)	94469	100.000	100.49
$ 5 Toluene-d8	98	6.419	6.419	(0.831)	405206	100.000	97.419
$ 6 Bromofluorobenzene	95	8.833	8.833	(1.144)	120798	100.000	98.891
8 Chloromethane	50	1.580	1.580	(0.367)	33687	100.000	95.156
10 Bromomethane	94	1.958	1.958	(0.455)	25002	100.000	97.528
9 Vinyl Chloride	62	1.674	1.674	(0.389)	36760	100.000	96.589
11 Chloroethane	64	2.053	2.053	(0.477)	28610	100.000	97.458
16 Methylene Chloride	84	3.047	3.047	(0.708)	117145	100.000	111.26
14 Acetone	43	2.692	2.692	(0.626)	45878	100.000	94.891
17 Carbon Disulfide	76	2.857	2.857	(0.664)	236084	100.000	95.382
15 1,1-Dichloroethene	96	2.668	2.668	(0.620)	86978	100.000	96.099
21 1,1-Dichloroethane	63	3.627	3.627	(0.843)	192909	100.000	97.860
19 trans-1,2-Dichloroethene	96	3.283	3.283	(0.763)	106872	100.000	95.770

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	23 cis-1,2-dichloroethene	96	4.100	4.100	(0.953)	113127	100.000	97.025
M	81 1,2-Dichloroethene (total)	96				219999	200.000	192.82
	24 Chloroform	83	4.360	4.360	(1.014)	172198	100.000	99.654
	27 1,2-Dichloroethane	62	4.834	4.834	(1.124)	115901	100.000	99.751
	22 2-Butanone	43	4.100	4.100	(0.953)	49580	100.000	87.671
	25 1,1,1-Trichloroethane	97	4.526	4.526	(0.882)	146715	100.000	99.927
	26 Carbon Tetrachloride	117	4.668	4.668	(0.910)	142009	100.000	98.342
	31 Bromodichloromethane	83	5.780	5.780	(1.127)	124589	100.000	101.24
	30 1,2-Dichloropropane	63	5.555	5.555	(1.083)	116827	100.000	103.94
	34 cis-1,3-Dichloropropene	75	6.171	6.171	(1.203)	146170	100.000	95.962
	29 Trichloroethene	130	5.366	5.366	(1.046)	128149	100.000	100.02
	40 Dibromochloromethane	129	7.188	7.188	(1.401)	93698	100.000	99.004
	38 1,1,2-Trichloroethane	97	6.821	6.821	(1.330)	81207	100.000	103.56
	28 Benzene	78	4.834	4.834	(0.942)	432183	100.000	101.52
	36 trans-1,3-Dichloropropene	75	6.644	6.644	(1.295)	121889	100.000	97.443
	46 Bromoform	173	8.525	8.525	(1.662)	47678	100.000	99.762
	33 4-Methyl-2-pentanone	58	6.289	6.289	(0.815)	21502	100.000	81.622
	37 2-Hexanone	43	7.034	7.034	(0.911)	46452	100.000	71.291
	39 Tetrachloroethene	164	6.975	6.975	(0.903)	93930	100.000	95.841
	47 1,1,2,2-Tetrachloroethane	83	8.951	8.951	(1.159)	64543	100.000	99.217
	35 Toluene	91	6.478	6.478	(0.839)	513129	100.000	100.83
	41 Chlorobenzene	112	7.756	7.756	(1.005)	328072	100.000	99.878
	42 Ethylbenzene	106	7.851	7.851	(1.017)	170347	100.000	97.462
	45 Styrene	104	8.348	8.348	(1.081)	320063	100.000	100.34
	43 m + p-Xylene	106	7.957	7.957	(1.031)	424540	200.000	205.85
	44 Xylene-o	106	8.336	8.336	(1.080)	191827	100.000	101.06
M	80 Xylenes (total)	106				616367	100.000	324.72
	12 Trichlorofluoromethane	101	2.242	2.242	(0.521)	66054	100.000	90.727
	7 Dichlorodifluoromethane	85	1.449	1.449	(0.337)	6566	100.000	80.102
	48 1,3-Dichlorobenzene	146	9.898	9.898	(1.282)	180531	100.000	99.592
	49 1,4-Dichlorobenzene	146	9.981	9.981	(1.293)	176128	100.000	99.470
	50 1,2-Dichlorobenzene	146	10.348	10.348	(1.340)	151342	100.000	99.388
	82 Methyl tert-butyl ether	73	3.283	3.283	(0.763)	155779	100.000	97.287
	63 1,2-Dibromoethane	107	7.295	7.295	(1.422)	70843	100.000	100.51
	51 Freon-113	151	2.692	2.692	(0.626)	48875	100.000	96.586
	69 1,2-Dibromo-3-chloropropane	157	11.117	11.117	(1.440)	8821	100.000	97.395
	90 Cyclohexane	56	4.585	4.585	(0.894)	172094	100.000	95.721
	91 Isopropylbenzene	105	8.679	8.679	(1.124)	449542	100.000	96.428
	92 Methyl Acetate	43	2.964	2.964	(0.689)	54936	100.000	97.851
	93 Methylcyclohexane	83	5.544	5.544	(1.081)	176631	100.000	97.897
	94 1,2,4-Trichlorobenzene	180	11.957	11.957	(1.549)	65702	100.000	88.979

Data File: /chem/can/msv/a3ux8a.i/M009080A.b/ux80202.d
Date : 08-SEP-2000 18:25
Client ID: VSTD010
Sample Info: 50NC-1C
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i
Operator: 2807
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/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,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: 5 Calibration Sample, Level: 1
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	4.303	4.303	(1.000)	133974	250.000	
* 2 1,4-Difluorobenzene	114	5.132	5.132	(1.000)	929406	250.000	
* 3 Chlorobenzene-d5	117	7.723	7.723	(1.000)	738452	250.000	
S 4 1,2-Dichloroethane-d4	65	4.777	4.777	(1.110)	46254	50.0000	50.489
S 5 Toluene-d8	98	6.410	6.410	(0.830)	190620	50.0000	48.752
S 6 Bromofluorobenzene	95	8.835	8.835	(1.144)	57412	50.0000	49.750
8 Chloromethane	50	1.582	1.582	(0.368)	17331	50.0000	50.287
10 Bromomethane	94	1.961	1.961	(0.456)	12799	50.0000	51.081
9 Vinyl Chloride	62	1.677	1.677	(0.390)	17578	50.0000	47.989
11 Chloroethane	64	2.043	2.043	(0.475)	14438	50.0000	50.473
16 Methylene Chloride	84	3.049	3.049	(0.709)	60752	50.0000	57.216
14 Acetone	43	2.694	2.694	(0.626)	26042	50.0000	54.235
17 Carbon Disulfide	76	2.860	2.860	(0.665)	118942	50.0000	49.545
15 1,1-Dichloroethene	96	2.659	2.659	(0.618)	43479	50.0000	49.532
21 1,1-Dichloroethane	63	3.629	3.629	(0.843)	94050	50.0000	49.260
19 trans-1,2-Dichloroethene	96	3.286	3.286	(0.764)	51832	50.0000	48.208

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
23 cis-1,2-dichloroethene	96	4.102	4.102	(0.953)	54481	50.0000	48.441
M 81 1,2-Dichloroethene (total)	96				106313	100.000	96.654
24 Chloroform	83	4.351	4.351	(1.011)	82194	50.0000	49.141
27 1,2-Dichloroethane	62	4.836	4.836	(1.124)	57894	50.0000	51.000
22 2-Butanone	43	4.102	4.102	(0.953)	24136	50.0000	45.000
25 1,1,1-Trichloroethane	97	4.528	4.528	(0.882)	72093	50.0000	50.538
26 Carbon Tetrachloride	117	4.670	4.670	(0.910)	69221	50.0000	49.575
31 Bromodichloromethane	83	5.783	5.783	(1.127)	59877	50.0000	50.171
30 1,2-Dichloropropane	63	5.558	5.558	(1.083)	57669	50.0000	52.334
34 cis-1,3-Dichloropropene	75	6.173	6.173	(1.203)	69046	50.0000	47.390
29 Trichloroethene	130	5.368	5.368	(1.046)	62394	50.0000	50.207
40 Dibromochloromethane	129	7.191	7.191	(1.401)	45043	50.0000	49.291
38 1,1,2-Trichloroethane	97	6.824	6.824	(1.330)	39585	50.0000	51.663
28 Benzene	78	4.836	4.836	(0.942)	213378	50.0000	51.373
36 trans-1,3-Dichloropropene	75	6.646	6.646	(1.295)	57266	50.0000	47.772
46 Bromoform	173	8.528	8.528	(1.662)	23319	50.0000	50.283
33 4-Methyl-2-pentanone	58	6.291	6.291	(0.815)	9499	50.0000	40.022
37 2-Hexanone	43	7.037	7.037	(0.911)	21193	50.0000	36.676
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)	31985	50.0000	51.571
35 Toluene	91	6.469	6.469	(0.838)	248490	50.0000	51.290
41 Chlorobenzene	112	7.747	7.747	(1.003)	162707	50.0000	51.876
42 Ethylbenzene	106	7.853	7.853	(1.017)	83154	50.0000	50.236
45 Styrene	104	8.338	8.338	(1.080)	153533	50.0000	50.705
43 m + p-Xylene	106	7.960	7.960	(1.031)	205021	100.000	104.04
44 Xylene-o	106	8.327	8.327	(1.078)	88622	50.0000	49.485
M 80 Xylenes (total)	106				293643	50.0000	163.96
12 Trichlorofluoromethane	101	2.233	2.233	(0.519)	33182	50.0000	47.475
7 Dichlorodifluoromethane	85	1.452	1.452	(0.337)	3398	50.0000	43.936
48 1,3-Dichlorobenzene	146	9.900	9.900	(1.282)	84497	50.0000	49.422
49 1,4-Dichlorobenzene	146	9.983	9.983	(1.293)	82720	50.0000	49.509
50 1,2-Dichlorobenzene	146	10.350	10.350	(1.340)	72092	50.0000	50.040
82 Methyl tert-butyl ether	73	3.286	3.286	(0.764)	72996	50.0000	47.485
63 1,2-Dibromoethane	107	7.297	7.297	(1.422)	34282	50.0000	50.156
51 Freon-113	151	2.694	2.694	(0.626)	24007	50.0000	49.038
69 1,2-Dibromo-3-chloropropane	157	11.119	11.119	(1.440)	4355	50.0000	50.665
90 Cyclohexane	56	4.587	4.587	(0.894)	79601	50.0000	46.493(a)
91 Isopropylbenzene	105	8.682	8.682	(1.124)	205480	50.0000	47.239(a)
92 Methyl Acetate	43	2.966	2.966	(0.689)	25883	50.0000	47.918(a)
93 Methylcyclohexane	83	5.546	5.546	(1.081)	80304	50.0000	46.692(a)
94 1,2,4-Trichlorobenzene	180	11.947	11.947	(1.547)	30812	50.0000	45.178(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.: I01248

Instrument ID: A3UX9 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 =UX9798 RRF20 =UX9797
RRF50 =UX9796 RRF100=UX9795 RRF200=UX9794

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% 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

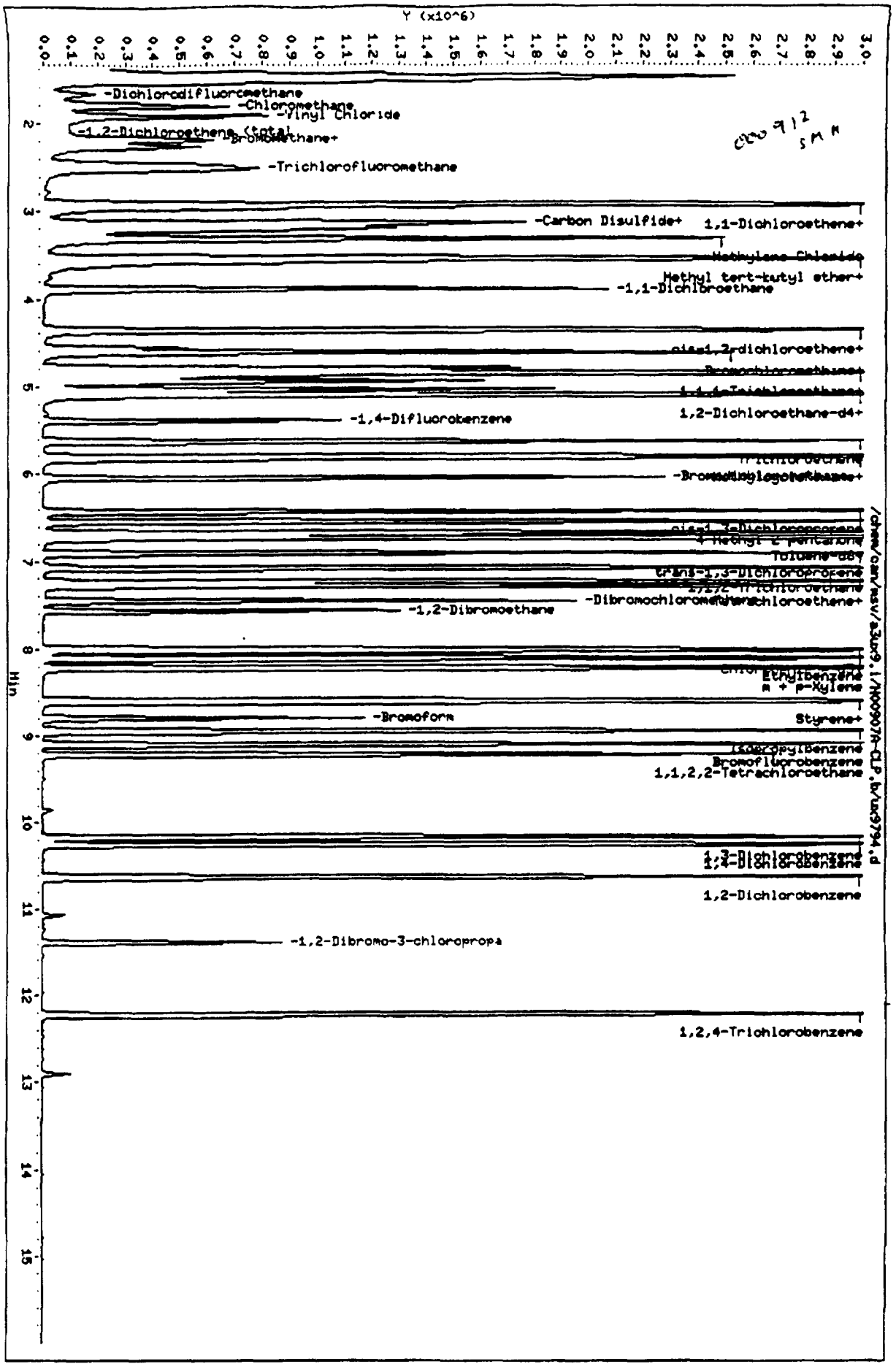
* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA OLM03.0

Data File: /chem/can/msv/a3ux9.i/N009070-CLP.b/ux9794.d
Date : 07-SEP-2000 06:10
Client ID: VSTD200
Sample Info: 1000NG-IC
Column phase: RTX502.2

Operator: 01819
Column diameter: 0.53

Instrument: a3ux9.i



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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	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.564	4.564	(1.000)	152181	250.000	
* 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	962426	250.000	
* 3 Chlorobenzene-d5	117	7.984	7.984	(1.000)	868710	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	1314180	1000.00	998.69
$ 5 Toluene-d8	98	6.671	6.671	(0.835)	4489836	1000.00	1019.1(A)
$ 6 Bromofluorobenzene	95	9.096	9.096	(1.139)	1544108	1000.00	1016.1(A)
7 Dichlorodifluoromethane	85	1.665	1.665	(0.365)	440702	1000.00	967.39
8 Chloromethane	50	1.807	1.807	(0.396)	1430472	1000.00	960.07
9 Vinyl Chloride	62	1.926	1.926	(0.422)	1295436	1000.00	965.04
10 Bromomethane	94	2.186	2.186	(0.479)	704722	1000.00	941.26
11 Chloroethane	64	2.269	2.269	(0.497)	853699	1000.00	965.52
12 Trichlorofluoromethane	101	2.517	2.517	(0.552)	1625503	1000.00	1039.1(A)
15 1,1-Dichloroethene	96	2.920	2.920	(0.640)	1030829	1000.00	1023.8(A)
51 Freon-113	151	2.943	2.943	(0.645)	879953	1000.00	995.16
14 Acetone	43	2.931	2.931	(0.642)	1752132	1000.00	1054.8(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	17 Carbon Disulfide	76	3.133	3.133	(0.686)	3357521	1000.00	1002.7(A)
	92 Methyl Acetate	43	3.204	3.204	(0.702)	1357776	1000.00	1027.9(A)
	16 Methylene Chloride	84	3.322	3.322	(0.728)	1238487	1000.00	978.44
	82 Methyl tert-butyl ether	73	3.547	3.547	(0.777)	2835825	1000.00	980.27
	19 trans-1,2-Dichloroethene	96	3.547	3.547	(0.777)	1186725	1000.00	993.43
	23 cis-1,2-dichloroethene	96	4.363	4.363	(0.956)	1291884	1000.00	995.05
M	81 1,2-Dichloroethene (total)	96				2478609	2000.00	1988.6(A)
	21 1,1-Dichloroethane	63	3.890	3.890	(0.852)	2514149	1000.00	987.28
	22 2-Butanone	43	4.351	4.351	(0.953)	2169486	1000.00	1100.5(A)
	24 Chloroform	83	4.612	4.612	(1.010)	1944262	1000.00	991.29
	25 1,1,1-Trichloroethane	97	4.801	4.801	(0.890)	1448975	1000.00	1003.7(A)
	90 Cyclohexane	56	4.860	4.860	(1.065)	2950930	1000.00	994.27
	26 Carbon Tetrachloride	117	4.943	4.943	(0.917)	1173799	1000.00	1044.4(A)
	27 1,2-Dichloroethane	62	5.097	5.097	(1.117)	1911684	1000.00	986.60
	28 Benzene	78	5.097	5.097	(0.945)	5178945	1000.00	993.96
	29 Trichloroethene	130	5.629	5.629	(1.044)	1328361	1000.00	991.19
	93 Methylcyclohexane	83	5.807	5.807	(1.272)	2246930	1000.00	979.30
	30 1,2-Dichloropropane	63	5.819	5.819	(1.079)	1588628	1000.00	1005.7(A)
	31 Bromodichloromethane	83	6.043	6.043	(1.121)	1428505	1000.00	1036.6(A)
	34 cis-1,3-Dichloropropene	75	6.422	6.422	(1.191)	1905409	1000.00	1050.6(A)
	33 4-Methyl-2-pentanone	58	6.540	6.540	(0.819)	969585	1000.00	1191.8(A)
	35 Toluene	91	6.730	6.730	(0.843)	5679830	1000.00	1005.1(A)
	36 trans-1,3-Dichloropropene	75	6.907	6.907	(1.281)	1638499	1000.00	1102.3(A)
	38 1,1,2-Trichloroethane	97	7.085	7.085	(1.314)	1093569	1000.00	1005.6(A)
	39 Tetrachloroethene	164	7.239	7.239	(0.907)	1048374	1000.00	994.99
	37 2-Hexanone	43	7.286	7.286	(0.913)	2641398	1000.00	1144.5(A)
	40 Dibromochloromethane	129	7.452	7.452	(1.382)	1120852	1000.00	1106.3(A)
	63 1,2-Dibromoethane	107	7.570	7.570	(1.404)	1076323	1000.00	1011.3(A)
	41 Chlorobenzene	112	8.020	8.020	(1.004)	3804476	1000.00	987.18
	42 Ethylbenzene	106	8.114	8.114	(1.016)	2110470	1000.00	1000.8(A)
	43 m + p-Xylene	106	8.221	8.221	(1.030)	5239813	2000.00	2022.7(AH)
M	80 Xylenes (total)	106				7810709	1000.00	3020.0(A)
	45 Styrene	104	8.599	8.599	(1.077)	4470178	1000.00	1037.4(A)
	44 Xylene-o	106	8.599	8.599	(1.077)	2570896	1000.00	994.02
	46 Bromoform	173	8.789	8.789	(1.630)	681303	1000.00	1178.0(A)
	91 Isopropylbenzene	105	8.943	8.943	(1.959)	3691008	1000.00	1000.7(A)
	47 1,1,2,2-Tetrachloroethane	83	9.215	9.215	(1.154)	1425558	1000.00	1002.9(A)
	48 1,3-Dichlorobenzene	146	10.173	10.173	(1.274)	2958737	1000.00	995.03
	49 1,4-Dichlorobenzene	146	10.256	10.256	(1.285)	2942805	1000.00	987.04
	50 1,2-Dichlorobenzene	146	10.623	10.623	(1.330)	2779696	1000.00	975.54
	69 1,2-Dibromo-3-chloropropane	157	11.392	11.392	(1.427)	264385	1000.00	1112.4(A)
	94 1,2,4-Trichlorobenzene	180	12.232	12.232	(2.680)	1667930	1000.00	990.40

QC Flag Legend

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

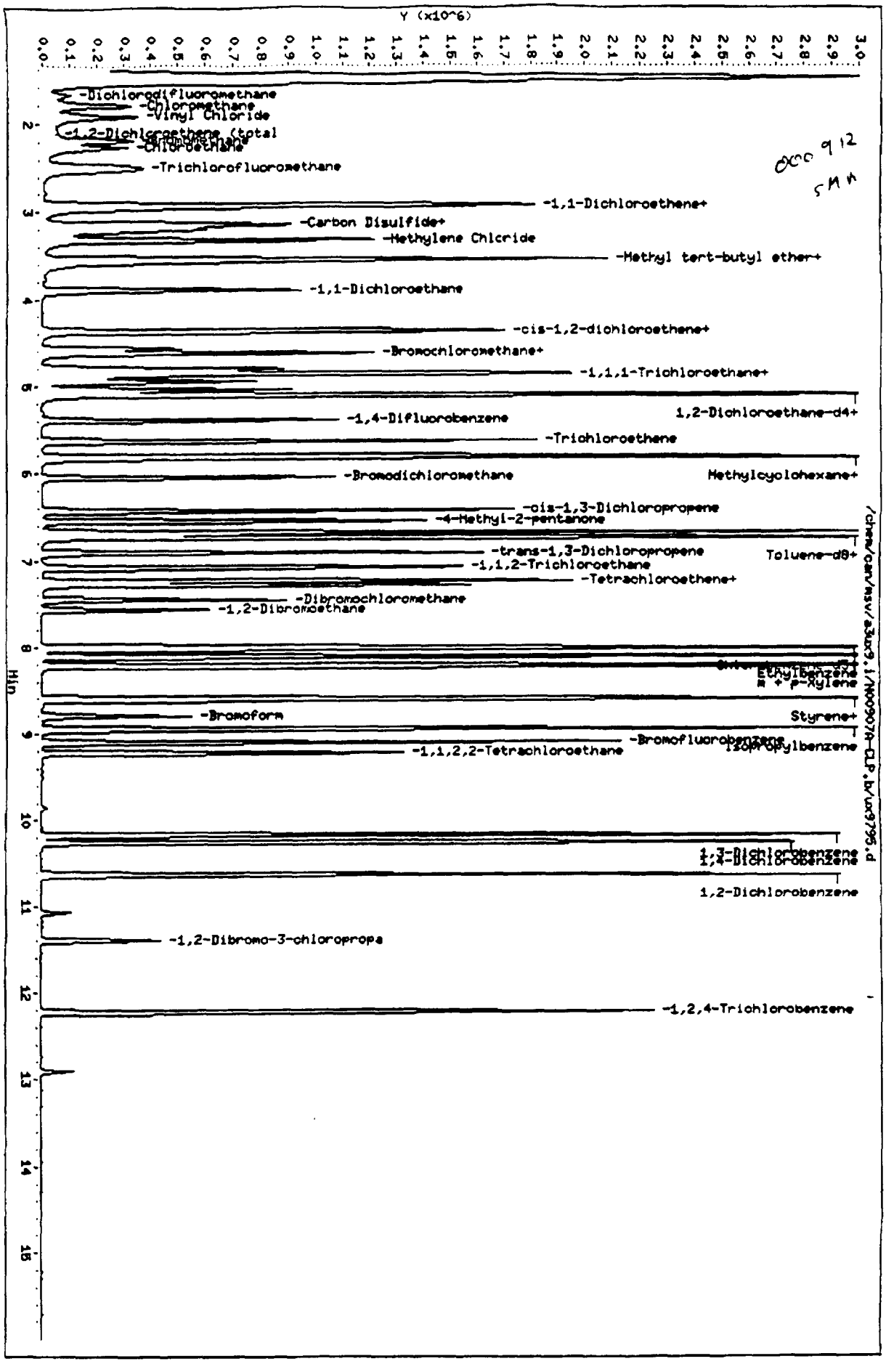
QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /chem/cam/msv/a3ux9.i/N000907A-CLP.b/ux9795.d
Date : 07-SEP-2000 06:33
Client ID: VSTD100
Sample Info: 500NG-IC

Column phase: RTX502.2

Instrument: a3ux9.i
Operator: 01819
Column diameter: 0.53



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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)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.565	4.565	(1.000)	147928	250.000	
* 2 1,4-Difluorobenzene	114	5.394	5.394	(1.000)	965120	250.000	
* 3 Chlorobenzene-d5	117	7.985	7.985	(1.000)	876384	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	6.672	(0.836)	2262366	500.000	508.39
$ 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	525.08
8 Chloromethane	50	1.796	1.796	(0.393)	712616	500.000	492.03
9 Vinyl Chloride	62	1.915	1.915	(0.419)	645248	500.000	494.50
10 Bromomethane	94	2.187	2.187	(0.479)	354249	500.000	486.76
11 Chloroethane	64	2.270	2.270	(0.497)	415877	500.000	483.87
12 Trichlorofluoromethane	101	2.495	2.495	(0.546)	768511	500.000	505.40
15 1,1-Dichloroethene	96	2.921	2.921	(0.640)	490490	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	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	17 Carbon Disulfide	76	3.134	3.134	(0.686)	1623752	500.000	498.87
	92 Methyl Acetate	43	3.205	3.205	(0.702)	652743	500.000	508.37
	16 Methylene Chloride	84	3.323	3.323	(0.728)	613704	500.000	498.78
	82 Methyl tert-butyl ether	73	3.548	3.548	(0.777)	1332687	500.000	473.92
	19 trans-1,2-Dichloroethene	96	3.548	3.548	(0.777)	587385	500.000	505.85
	23 cis-1,2-dichloroethene	96	4.364	4.364	(0.956)	634541	500.000	502.80
M	81 1,2-Dichloroethene (total)	96				1221926	1000.00	1008.5(A)
	21 1,1-Dichloroethane	63	3.891	3.891	(0.852)	1220921	500.000	493.22
	22 2-Butanone	43	4.352	4.352	(0.953)	981855	500.000	512.37
	24 Chloroform	83	4.613	4.613	(1.010)	945925	500.000	496.15
	25 1,1,1-Trichloroethane	97	4.802	4.802	(0.890)	713996	500.000	493.21
	90 Cyclohexane	56	4.861	4.861	(1.065)	1471631	500.000	510.10
	26 Carbon Tetrachloride	117	4.944	4.944	(0.917)	574228	500.000	509.52
	27 1,2-Dichloroethane	62	5.098	5.098	(1.117)	938529	500.000	498.29
	28 Benzene	78	5.098	5.098	(0.945)	2522319	500.000	482.74
	29 Trichloroethene	130	5.630	5.630	(1.044)	648441	500.000	482.50
	93 Methylcyclohexane	83	5.808	5.808	(1.272)	1155551	500.000	518.12
	30 1,2-Dichloropropane	63	5.820	5.820	(1.079)	766231	500.000	483.72
	31 Bromodichloromethane	83	6.044	6.044	(1.121)	697119	500.000	504.47
	34 cis-1,3-Dichloropropene	75	6.423	6.423	(1.191)	922492	500.000	507.23
	33 4-Methyl-2-pentanone	58	6.541	6.541	(0.819)	410545	500.000	500.23
	35 Toluene	91	6.731	6.731	(0.843)	2791652	500.000	489.68
	36 trans-1,3-Dichloropropene	75	6.908	6.908	(1.281)	781151	500.000	524.05
	38 1,1,2-Trichloroethane	97	7.074	7.074	(1.312)	535107	500.000	490.67
	39 Tetrachloroethene	164	7.240	7.240	(0.907)	517154	500.000	486.52
	37 2-Hexanone	43	7.287	7.287	(0.913)	1204742	500.000	517.43
	40 Dibromochloromethane	129	7.453	7.453	(1.382)	530367	500.000	522.01
	63 1,2-Dibromoethane	107	7.571	7.571	(1.404)	536909	500.000	503.09
	41 Chlorobenzene	112	8.020	8.020	(1.004)	1878641	500.000	483.20
	42 Ethylbenzene	106	8.103	8.103	(1.015)	1046060	500.000	491.72
	43 m + p-Xylene	106	8.210	8.210	(1.028)	2583187	1000.00	988.44
M	80 Xylenes (total)	106				3856187	500.000	1477.9(A)
	45 Styrene	104	8.600	8.600	(1.077)	2173153	500.000	499.94
	44 Xylene-o	106	8.600	8.600	(1.077)	1273000	500.000	487.89
	46 Bromoform	173	8.790	8.790	(1.630)	316176	500.000	545.14
	91 Isopropylbenzene	105	8.943	8.943	(1.959)	1822718	500.000	524.94
	47 1,1,2,2-Tetrachloroethane	83	9.216	9.216	(1.154)	701653	500.000	489.32
	48 1,3-Dichlorobenzene	146	10.162	10.162	(1.273)	1497455	500.000	499.19
	49 1,4-Dichlorobenzene	146	10.257	10.257	(1.285)	1481294	500.000	492.49
	50 1,2-Dichlorobenzene	146	10.624	10.624	(1.330)	1419697	500.000	493.88
	69 1,2-Dibromo-3-chloropropane	157	11.393	11.393	(1.427)	133739	500.000	557.79
	94 1,2,4-Trichlorobenzene	180	12.233	12.233	(2.680)	900010	500.000	549.78

QC Flag Legend

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

Data File: /chem/cam/msv/a3ux9.i/N009907A-CLP.b/ux9796.d
Date : 07-SEP-2000 06:56
Client ID: VSTD050
Sample Info: 250NC-IC

Column Phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819
Column diameter: 0.53

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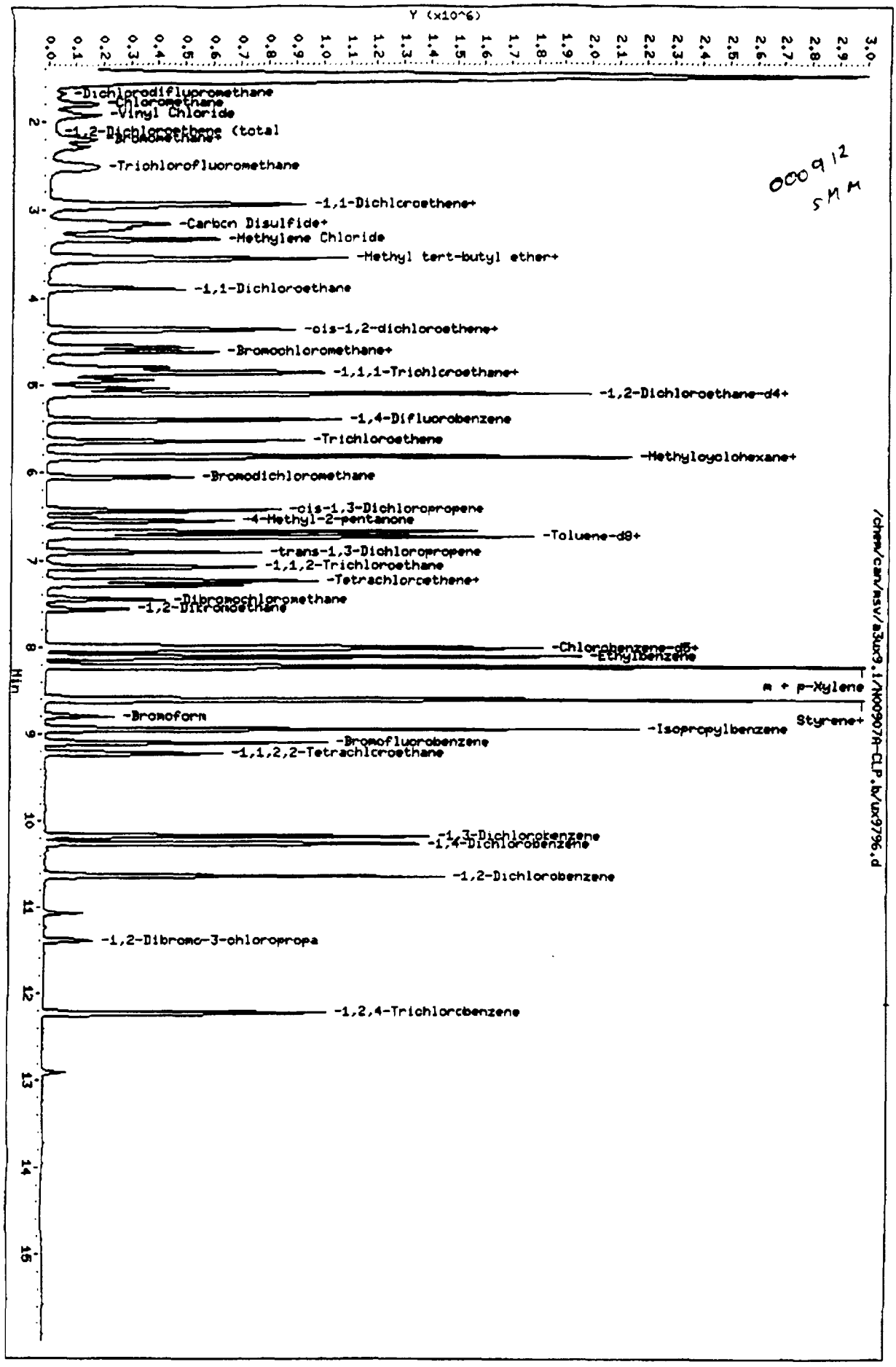


SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

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

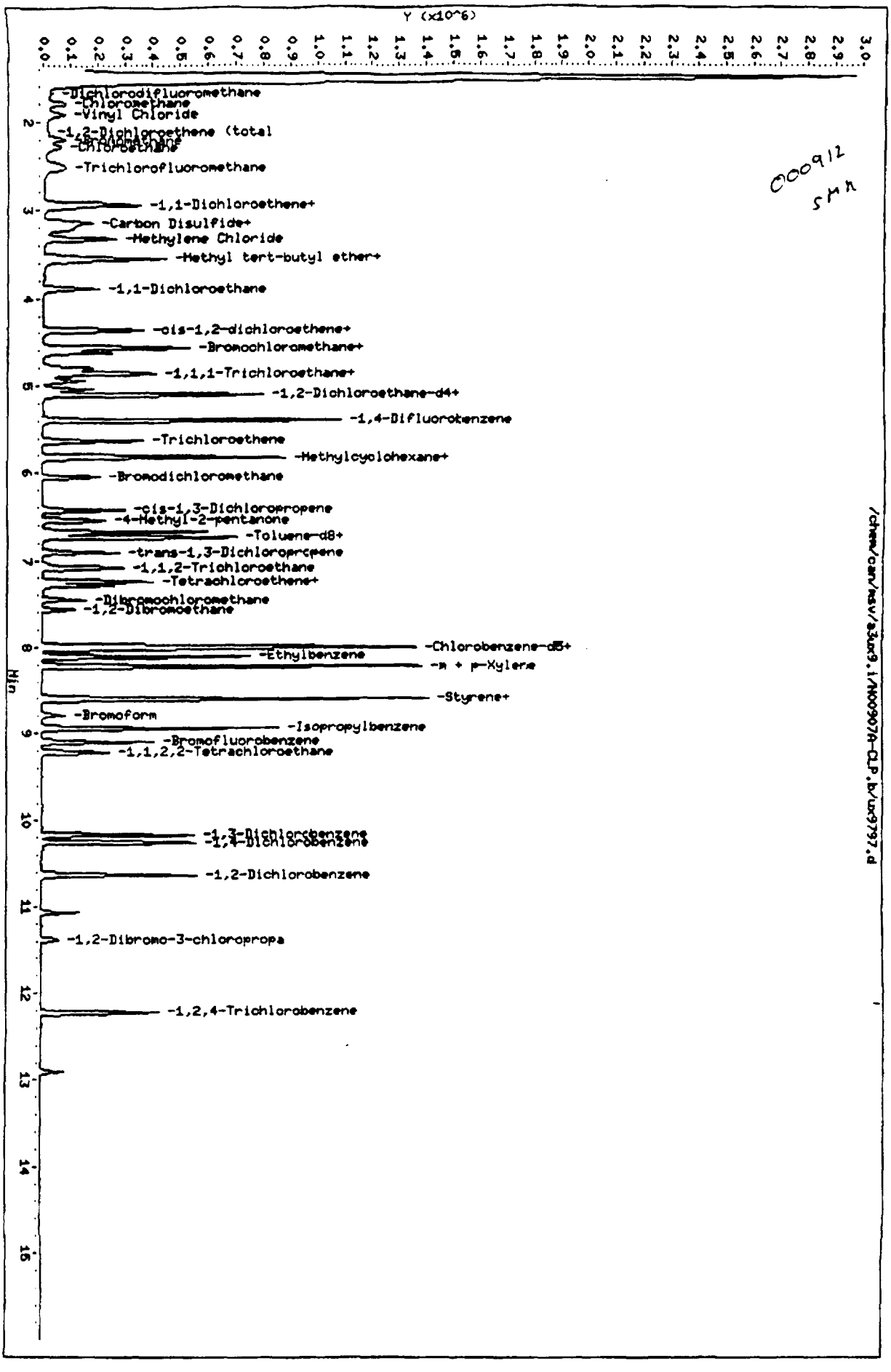
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.565	4.565	(1.000)	152466	250.000	
* 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	942933	250.000	
* 3 Chlorobenzene-d5	117	7.985	7.985	(1.000)	857922	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	324705	250.000	246.29
$ 5 Toluene-d8	98	6.671	6.671	(0.836)	1105411	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)	114135	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)	332243	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)	214737	250.000	242.41
12 Trichlorofluoromethane	101	2.506	2.506	(0.549)	386905	250.000	246.87
15 1,1-Dichloroethene	96	2.932	2.932	(0.642)	251257	250.000	249.09
51 Freon-113	151	2.944	2.944	(0.645)	219603	250.000	247.89
14 Acetone	43	2.932	2.932	(0.642)	389502	250.000	234.05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	17 Carbon Disulfide	76	3.133	3.133	(0.686)	823260	250.000	245.40
	92 Methyl Acetate	43	3.204	3.204	(0.702)	317258	250.000	239.73
	16 Methylene Chloride	84	3.322	3.322	(0.728)	308152	250.000	242.99
	82 Methyl tert-butyl ether	73	3.547	3.547	(0.777)	702805	250.000	242.49
	19 trans-1,2-Dichloroethene	96	3.547	3.547	(0.777)	293423	250.000	245.17
	23 cis-1,2-dichloroethene	96	4.364	4.364	(0.956)	319654	250.000	245.75
M	81 1,2-Dichloroethene (total)	96				613077	500.000	490.94
	21 1,1-Dichloroethane	63	3.890	3.890	(0.852)	619886	250.000	242.97
	22 2-Butanone	43	4.352	4.352	(0.953)	467270	250.000	236.58
	24 Chloroform	83	4.612	4.612	(1.010)	489965	250.000	249.34
	25 1,1,1-Trichloroethane	97	4.801	4.801	(0.890)	361480	250.000	255.58
	90 Cyclohexane	56	4.861	4.861	(1.065)	746643	250.000	251.10
	26 Carbon Tetrachloride	117	4.943	4.943	(0.917)	283100	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)	1287151	250.000	252.14
	29 Trichloroethene	130	5.630	5.630	(1.044)	335683	250.000	255.66
	93 Methylcyclohexane	83	5.807	5.807	(1.272)	579074	250.000	251.91
	30 1,2-Dichloropropane	63	5.819	5.819	(1.079)	388306	250.000	250.90
	31 Bromodichloromethane	83	6.044	6.044	(1.121)	344526	250.000	255.18
	34 cis-1,3-Dichloropropene	75	6.423	6.423	(1.191)	461191	250.000	259.55
	33 4-Methyl-2-pentanone	58	6.541	6.541	(0.819)	195999	250.000	243.96
	35 Toluene	91	6.730	6.730	(0.843)	1401292	250.000	251.09
	36 trans-1,3-Dichloropropene	75	6.908	6.908	(1.281)	370853	250.000	254.65
	38 1,1,2-Trichloroethane	97	7.085	7.085	(1.314)	262903	250.000	246.74
	39 Tetrachloroethene	164	7.239	7.239	(0.907)	259398	250.000	249.28
	37 2-Hexanone	43	7.286	7.286	(0.913)	550247	250.000	241.41
	40 Dibromochloromethane	129	7.452	7.452	(1.382)	253348	250.000	255.22
	63 1,2-Dibromoethane	107	7.559	7.559	(1.401)	267209	250.000	256.27
	41 Chlorobenzene	112	8.020	8.020	(1.004)	957792	250.000	251.65
	42 Ethylbenzene	106	8.103	8.103	(1.015)	527967	250.000	253.52
	43 m + p-Xylene	106	8.221	8.221	(1.030)	1295414	500.000	506.35
M	80 Xylenes (total)	106				1943178	250.000	760.76
	45 Styrene	104	8.600	8.600	(1.077)	1090691	250.000	256.31
	44 Xylene-o	106	8.600	8.600	(1.077)	647764	250.000	253.60
	46 Bromoform	173	8.789	8.789	(1.630)	141718	250.000	250.09
	91 Isopropylbenzene	105	8.943	8.943	(1.959)	904704	250.000	252.29
	47 1,1,2,2-Tetrachloroethane	83	9.215	9.215	(1.154)	349320	250.000	248.85
	48 1,3-Dichlorobenzene	146	10.174	10.174	(1.274)	736756	250.000	250.89
	49 1,4-Dichlorobenzene	146	10.256	10.256	(1.285)	732229	250.000	248.68
	50 1,2-Dichlorobenzene	146	10.623	10.623	(1.330)	698108	250.000	248.08
	69 1,2-Dibromo-3-chloropropane	157	11.392	11.392	(1.427)	55804	250.000	237.75
	94 1,2,4-Trichlorobenzene	180	12.221	12.221	(2.677)	401672	250.000	238.06

Data File: /chem/can/msv/a3ux9.i/N009907A-CLP.b/ux9797.d
Date : 07-SEP-2000 07:19
Client ID: VSTD020
Sample Info: 100NG-IC

Column phase: RTX502.2

Instrument: a3ux9.i
Operator: 01819
Column diameter: 0.53



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SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.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: a3ux9.i
Smp Info : 100NG-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: 4 Calibration Sample, Level: 2
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)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.564	4.564	(1.000)	152767	250.000	
* 2 1,4-Difluorobenzene	114	5.393	5.393	(1.000)	959491	250.000	
* 3 Chlorobenzene-d5	117	7.984	7.984	(1.000)	858126	250.000	
S 4 1,2-Dichloroethane-d4	65	5.038	5.038	(1.104)	130302	100.000	98.641
S 5 Toluene-d8	98	6.671	6.671	(0.835)	431675	100.000	99.186
S 6 Bromofluorobenzene	95	9.096	9.096	(1.139)	151827	100.000	101.14
7 Dichlorodifluoromethane	85	1.677	1.677	(0.367)	47155	100.000	103.11
8 Chloromethane	50	1.795	1.795	(0.393)	151417	100.000	101.24
9 Vinyl Chloride	62	1.926	1.926	(0.422)	134625	100.000	99.905
10 Bromomethane	94	2.198	2.198	(0.482)	76667	100.000	102.01
11 Chloroethane	64	2.281	2.281	(0.500)	87582	100.000	98.674
12 Trichlorofluoromethane	101	2.517	2.517	(0.552)	151591	100.000	96.533
15 1,1-Dichloroethene	96	2.931	2.931	(0.642)	97346	100.000	96.316
51 Freon-113	151	2.955	2.955	(0.647)	87188	100.000	98.225
14 Acetone	43	2.943	2.943	(0.645)	151539	100.000	90.881

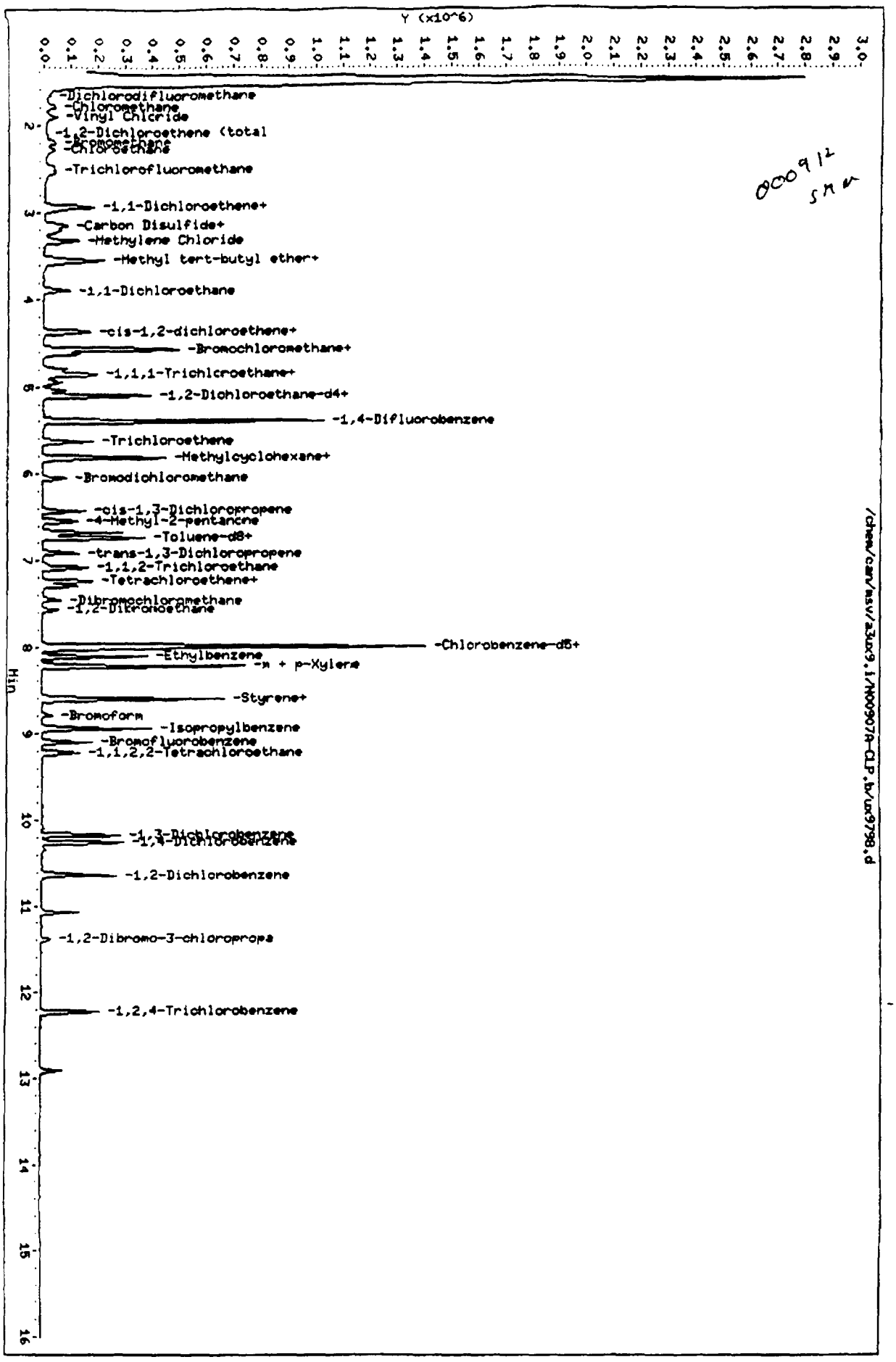
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	17 Carbon Disulfide	76	3.133	3.133	(0.686)	332349	100.000	98.874
	92 Methyl Acetate	43	3.215	3.215	(0.704)	129780	100.000	97.873
	16 Methylene Chloride	84	3.322	3.322	(0.728)	125001	100.000	98.375
	82 Methyl tert-butyl ether	73	3.547	3.547	(0.777)	290221	100.000	99.937
	19 trans-1,2-Dichloroethene	96	3.547	3.547	(0.777)	118895	100.000	99.148
	23 cis-1,2-dichloroethene	96	4.363	4.363	(0.956)	128284	100.000	98.430
M	81 1,2-Dichloroethene (total)	96				247179	200.000	197.55
	21 1,1-Dichloroethane	63	3.890	3.890	(0.852)	255391	100.000	99.904
	22 2-Butanone	43	4.351	4.351	(0.953)	178020	100.000	89.955
	24 Chloroform	83	4.624	4.624	(1.013)	196748	100.000	99.928
	25 1,1,1-Trichloroethane	97	4.801	4.801	(0.890)	138991	100.000	96.576
	90 Cyclohexane	56	4.860	4.860	(1.065)	288509	100.000	96.836
	26 Carbon Tetrachloride	117	4.943	4.943	(0.917)	107904	100.000	96.307
	27 1,2-Dichloroethane	62	5.097	5.097	(1.117)	192213	100.000	98.818
	28 Benzene	78	5.097	5.097	(0.945)	519398	100.000	99.989
	29 Trichloroethene	130	5.629	5.629	(1.044)	132598	100.000	99.244
	93 Methylcyclohexane	83	5.807	5.807	(1.272)	219532	100.000	95.314
	30 1,2-Dichloropropane	63	5.819	5.819	(1.079)	156727	100.000	99.522
	31 Bromodichloromethane	83	6.043	6.043	(1.121)	136178	100.000	99.123
	34 cis-1,3-Dichloropropene	75	6.434	6.434	(1.193)	173042	100.000	95.706
	33 4-Methyl-2-pentanone	58	6.540	6.540	(0.819)	70667	100.000	87.937
	35 Toluene	91	6.730	6.730	(0.843)	558500	100.000	100.05
	36 trans-1,3-Dichloropropene	75	6.907	6.907	(1.281)	134785	100.000	90.954
	38 1,1,2-Trichloroethane	97	7.085	7.085	(1.314)	106308	100.000	98.051
	39 Tetrachloroethene	164	7.239	7.239	(0.907)	102959	100.000	98.922
	37 2-Hexanone	43	7.286	7.286	(0.913)	201429	100.000	88.353
	40 Dibromochloromethane	129	7.452	7.452	(1.382)	90795	100.000	89.889
	63 1,2-Dibromoethane	107	7.570	7.570	(1.404)	101023	100.000	95.214
	41 Chlorobenzene	112	8.020	8.020	(1.004)	381081	100.000	100.10
	42 Ethylbenzene	106	8.102	8.102	(1.015)	205369	100.000	98.591
	43 m + p-Xylene	106	8.221	8.221	(1.030)	504782	200.000	197.26
M	80 Xylenes (total)	106				758191	100.000	296.76
	45 Styrene	104	8.599	8.599	(1.077)	412406	100.000	96.893
	44 Xylene-o	106	8.599	8.599	(1.077)	253409	100.000	99.187
	46 Bromoform	173	8.789	8.789	(1.630)	50781	100.000	88.068
	91 Isopropylbenzene	105	8.942	8.942	(1.959)	348864	100.000	95.580
	47 1,1,2,2-Tetrachloroethane	83	9.215	9.215	(1.154)	137394	100.000	97.855
	48 1,3-Dichlorobenzene	146	10.173	10.173	(1.274)	289673	100.000	98.619
	49 1,4-Dichlorobenzene	146	10.256	10.256	(1.285)	296391	100.000	100.64
	50 1,2-Dichlorobenzene	146	10.623	10.623	(1.330)	278045	100.000	98.784
	69 1,2-Dibromo-3-chloropropane	157	11.392	11.392	(1.427)	21101	100.000	89.879
	94 1,2,4-Trichlorobenzene	180	12.220	12.220	(2.677)	160587	100.000	94.989

Data File: /chem/cam/msv/a3ux9.i/N009070-CLP.b/ux9798.d
Date : 07-SEP-2000 07:42
Client ID: VSID010
Sample Info: 50NG-IC

Column phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819
Column diameter: 0.53



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SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9798.d
Lab Smp Id: 50NG-IC Client Smp ID: VSTD010
Inj Date : 07-SEP-2000 07:42
Operator : 01819 Inst ID: a3ux9.i
Smp Info : 50NG-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: 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 (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.568	4.568	(1.000)	145006	250.000	
* 2 1,4-Difluorobenzene	114	5.396	5.396	(1.000)	943382	250.000	
* 3 Chlorobenzene-d5	117	7.987	7.987	(1.000)	833666	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.029	5.029	(1.101)	62172	50.0000	49.585
$ 5 Toluene-d8	98	6.674	6.674	(0.836)	201869	50.0000	47.744
$ 6 Bromofluorobenzene	95	9.100	9.100	(1.139)	69822	50.0000	47.878
7 Dichlorodifluoromethane	85	1.680	1.680	(0.368)	20641	50.0000	47.551
8 Chloromethane	50	1.799	1.799	(0.394)	75492	50.0000	53.174
9 Vinyl Chloride	62	1.917	1.917	(0.420)	67709	50.0000	52.936
10 Bromomethane	94	2.201	2.201	(0.482)	39015	50.0000	54.689
11 Chloroethane	64	2.284	2.284	(0.500)	46774	50.0000	55.518
12 Trichlorofluoromethane	101	2.521	2.521	(0.552)	74328	50.0000	49.865
15 1,1-Dichloroethene	96	2.935	2.935	(0.642)	48653	50.0000	50.714
51 Freon-113	151	2.946	2.946	(0.645)	42329	50.0000	50.240
14 Acetone	43	2.946	2.946	(0.645)	87616	50.0000	55.357

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	17 Carbon Disulfide	76	3.136	3.136	(0.687)	164188	50.0000	51.460
	92 Methyl Acetate	43	3.207	3.207	(0.702)	64045	50.0000	50.884
	16 Methylene Chloride	84	3.313	3.313	(0.725)	64422	50.0000	53.413
	82 Methyl tert-butyl ether	73	3.550	3.550	(0.777)	151963	50.0000	55.129
	19 trans-1,2-Dichloroethene	96	3.550	3.550	(0.777)	58205	50.0000	51.136
	23 cis-1,2-dichloroethene	96	4.366	4.366	(0.956)	63838	50.0000	51.603
M	81 1,2-Dichloroethene (total)	96				122043	100.000	102.76
	21 1,1-Dichloroethane	63	3.893	3.893	(0.852)	128041	50.0000	52.768
	22 2-Butanone	43	4.355	4.355	(0.953)	96639	50.0000	51.446
	24 Chloroform	83	4.615	4.615	(1.010)	95288	50.0000	50.987
	25 1,1,1-Trichloroethane	97	4.792	4.792	(0.888)	72292	50.0000	51.089
	90 Cyclohexane	56	4.863	4.863	(1.065)	143206	50.0000	50.638
	26 Carbon Tetrachloride	117	4.946	4.946	(0.917)	52051	50.0000	47.250
	27 1,2-Dichloroethane	62	5.100	5.100	(1.117)	98428	50.0000	53.311
	28 Benzene	78	5.100	5.100	(0.945)	263569	50.0000	51.606
	29 Trichloroethene	130	5.633	5.633	(1.044)	67571	50.0000	51.438
	93 Methylcyclohexane	83	5.810	5.810	(1.272)	111900	50.0000	51.184
	30 1,2-Dichloropropane	63	5.822	5.822	(1.079)	79588	50.0000	51.401
	31 Bromodichloromethane	83	6.047	6.047	(1.121)	63652	50.0000	47.123
	34 cis-1,3-Dichloropropene	75	6.425	6.425	(1.191)	83520	50.0000	46.982
	33 4-Methyl-2-pentanone	58	6.544	6.544	(0.819)	37181	50.0000	47.625
	35 Toluene	91	6.733	6.733	(0.843)	274064	50.0000	50.536
	36 trans-1,3-Dichloropropene	75	6.910	6.910	(1.281)	67131	50.0000	46.074
	38 1,1,2-Trichloroethane	97	7.076	7.076	(1.311)	55733	50.0000	52.282
	39 Tetrachloroethene	164	7.242	7.242	(0.907)	52863	50.0000	52.280
	37 2-Hexanone	43	7.289	7.289	(0.913)	107582	50.0000	48.573
	40 Dibromochloromethane	129	7.455	7.455	(1.382)	46176	50.0000	46.496
	63 1,2-Dibromoethane	107	7.561	7.561	(1.401)	52434	50.0000	50.263
	41 Chlorobenzene	112	8.011	8.011	(1.003)	192096	50.0000	51.940
	42 Ethylbenzene	106	8.106	8.106	(1.015)	102777	50.0000	50.788
	43 m + p-Xylene	106	8.212	8.212	(1.028)	248895	100.000	100.12
M	80 Xylenes (total)	106				375966	50.0000	151.48
	45 Styrene	104	8.603	8.603	(1.077)	200234	50.0000	48.424
	44 Xylene-o	106	8.591	8.591	(1.076)	127071	50.0000	51.196
	46 Bromoform	173	8.792	8.792	(1.629)	24115	50.0000	42.536
	91 Isopropylbenzene	105	8.946	8.946	(1.959)	169856	50.0000	49.224
	47 1,1,2,2-Tetrachloroethane	83	9.218	9.218	(1.154)	71232	50.0000	52.222
	48 1,3-Dichlorobenzene	146	10.165	10.165	(1.273)	145084	50.0000	50.843
	49 1,4-Dichlorobenzene	146	10.247	10.247	(1.283)	146904	50.0000	51.344
	50 1,2-Dichlorobenzene	146	10.626	10.626	(1.330)	144447	50.0000	52.825
	69 1,2-Dibromo-3-chloropropane	157	11.383	11.383	(1.425)	10517	50.0000	46.111
	94 1,2,4-Trichlorobenzene	180	12.223	12.223	(2.676)	80867	50.0000	50.394

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SEVERN TRENT LABORATORIES Contract:

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

Instrument ID: A3UX8A 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: QESOH 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	$\overline{RRF}$	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

Committed To *Your* Success

RAW QC DATA

Data File: /chem/can/msv/a3ux8a.i/M00908A.b/bfb8503.d

Page 2

Date : 08-SEP-2000 16:25

Client ID: 50NG BFB

Instrument: a3ux8a.i

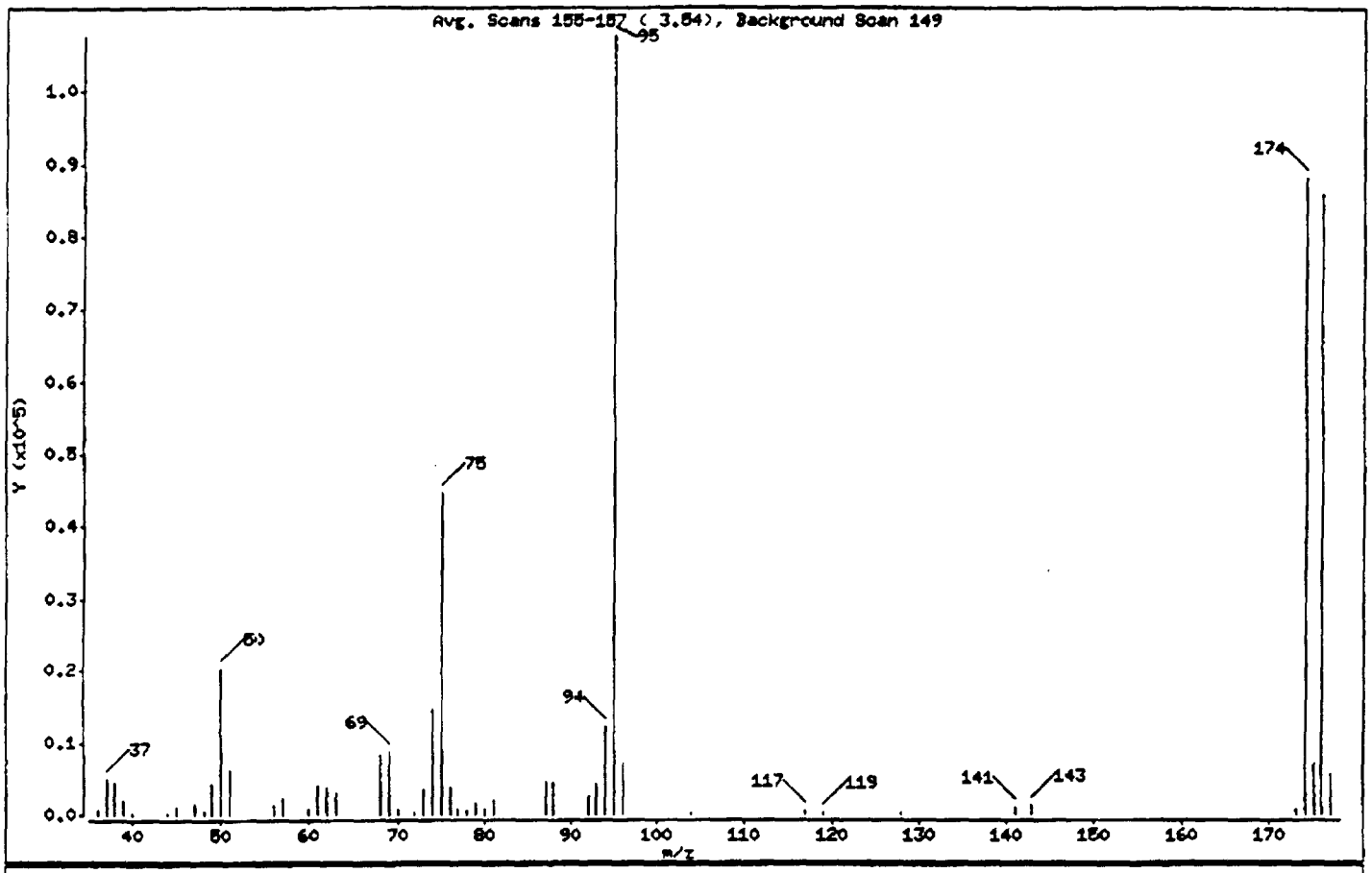
Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.85
75	30.00 - 66.00% of mass 95	41.48
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.64 (0.78)
174	50.00 - 120.00% of mass 95	81.73
175	4.00 - 9.00% of mass 174	6.59 (8.07)
176	93.00 - 101.00% of mass 174	79.70 (97.51)
177	5.00 - 9.00% of mass 176	5.30 (6.65)

Data File: /chem/can/msv/a3ux8a.i/M00908A.b/bfb8503.d

Date : 08-SEP-2000 16:25

Client ID: 50NG BFB

Instrument: a3ux8a.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20M

Column diameter: 0.18

Data File: bfb8503.d

Spectrum: Avg. Scans 155-157 (3.54), 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	2254	77.00	682	117.00	441
37.00	5015	60.00	807	78.00	418	119.00	182
38.00	4463	61.00	3960	79.00	1559	128.00	172
39.00	2100	62.00	3717	80.00	637	141.00	1020
40.00	129	63.00	2972	81.00	1881	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	1365	70.00	673	92.00	2429	175.00	7104
48.00	551	72.00	182	93.00	4179	176.00	85848
49.00	4318	73.00	3555	94.00	12181	177.00	5706
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: /chem/can/msv/a3ux8a.i/M00908A.b/bfb8503.d
Date : 08-SEP-2000 16:26
Client ID: 50NG BFB
Sample Info: 50NG INJECTION OF BFB

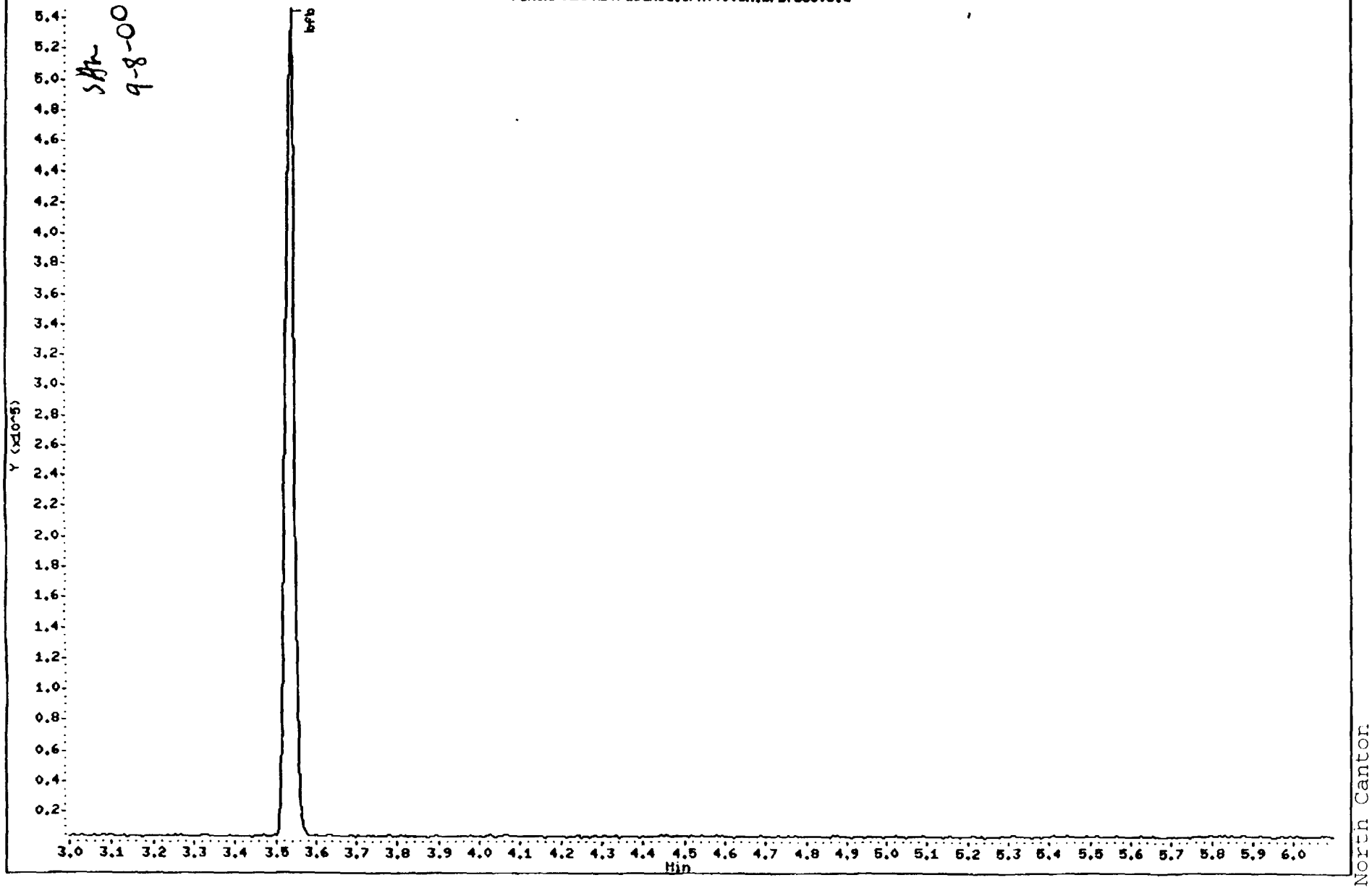
Column phase: DB624 20M

Page 1

Instrument: a3ux8a.i

Operator: 2807
Column diameter: 0.18

/chem/can/msv/a3ux8a.i/M00908A.b/bfb8503.d



SHR 9-8-00

Data File: /chem/can/msv/a3ux9.i/H00907A-CLP.b/bfb171.d

Page 2

Date : 07-SEP-2000 08:48

Client ID: 50NG BFB

Instrument: a3ux9.i

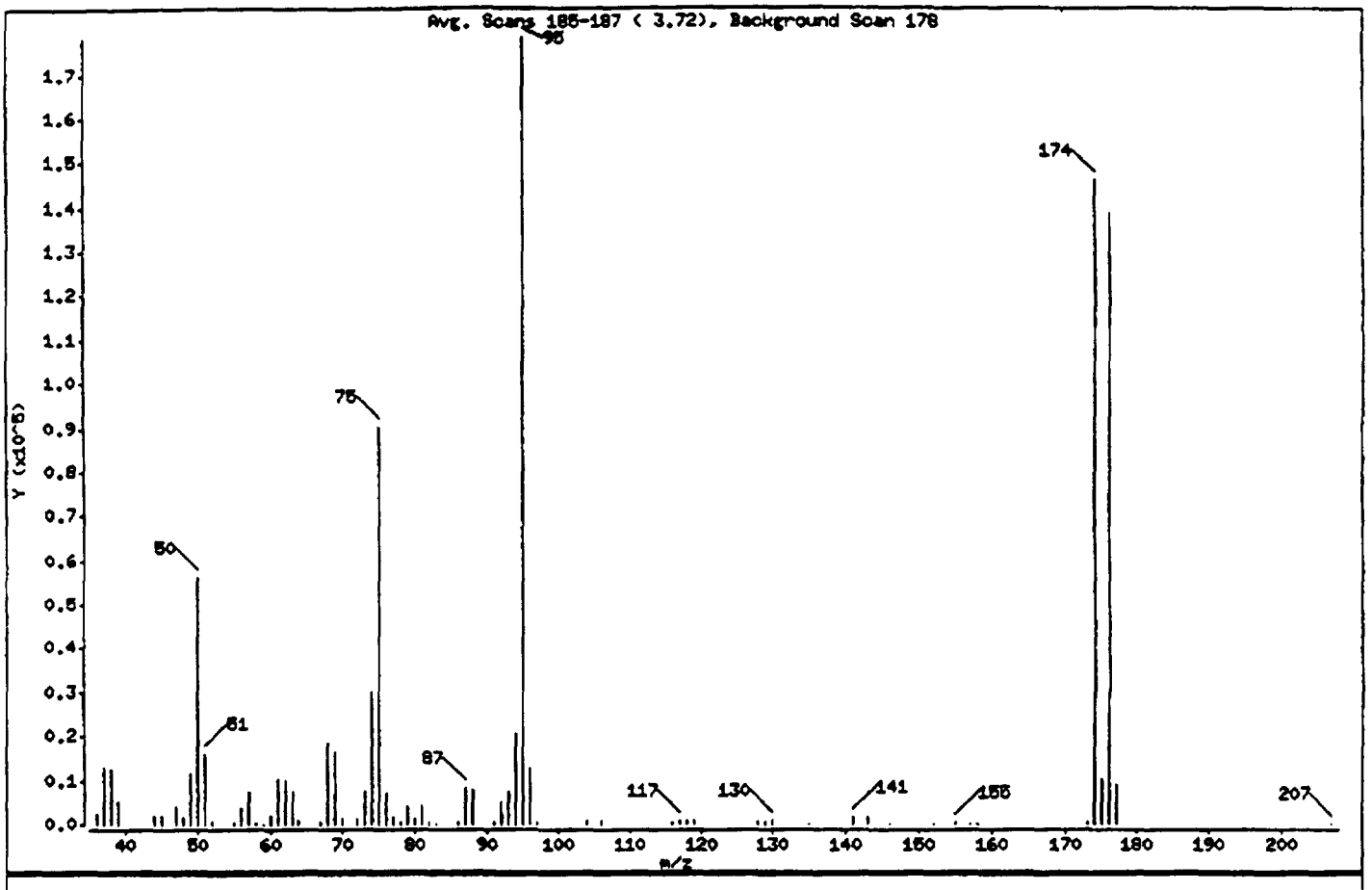
Sample Info: 50NG INJECTION OF BFB

Operator: 01819

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
50	8.00 - 40.00% of mass 95	31.52
75	30.00 - 66.00% of mass 95	50.55
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	5.73 (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)

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/bfb171.d

Date : 07-SEP-2000 05:48

Client ID: 50NG BFB

Instrument: a3ux9.i

Sample Info: 50NG INJECTION OF BFB

Operator: 01819

Column phase: RTX502.2

Column diameter: 0.53

Data File: bfb171.d

Spectrum: Avg. Scans 185-187 (3.72), Background Scan 178

Location of Maximum: 95.00

Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2310	61.00	10336	82.00	597	128.00	449
37.00	13324	62.00	9684	83.00	193	129.00	240
38.00	12712	63.00	7239	86.00	213	130.00	917
39.00	5380	64.00	865	87.00	8323	135.00	202
44.00	1876	67.00	475	88.00	7903	141.00	1837
45.00	1946	68.00	18320	91.00	509	143.00	1755
47.00	4062	69.00	16472	92.00	4903	146.00	175
48.00	1448	70.00	1342	93.00	7507	152.00	170
49.00	11421	72.00	1131	94.00	20504	155.00	590
50.00	56248	73.00	7355	95.00	178432	157.00	169
51.00	15988	74.00	29920	96.00	12524	158.00	172
52.00	963	75.00	90200	97.00	209	173.00	488
55.00	614	76.00	6921	104.00	789	174.00	145856
56.00	3828	77.00	1609	106.00	731	175.00	10226
57.00	7434	78.00	554	116.00	593	176.00	138752
58.00	295	79.00	4060	117.00	961	177.00	8830
59.00	196	80.00	1147	118.00	710	207.00	185
60.00	2201	81.00	4040	119.00	656		

Date File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/bfb171.d

Date : 07-SEP-2000 05:48

Client ID: 50NG BFB

Sample Info: 50NG INJECTION OF BFB

Column phase: RTX502.2

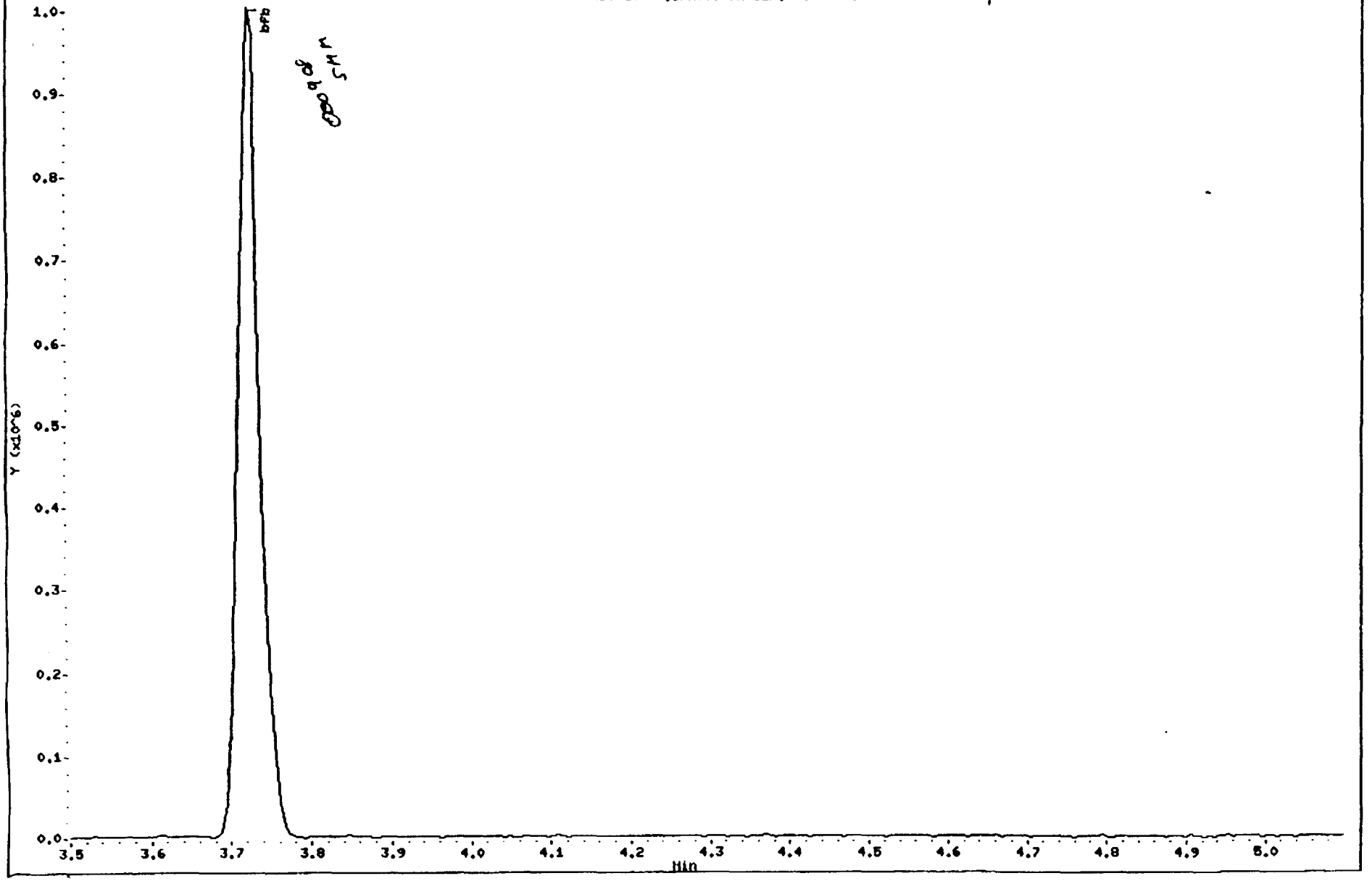
Page 1

Instrument: a3ux9.i

Operator: 01819

Column diameter: 0.53

/chem/can/msv/a3ux9.i/N00907A-CLP.b/bfb171.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 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
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

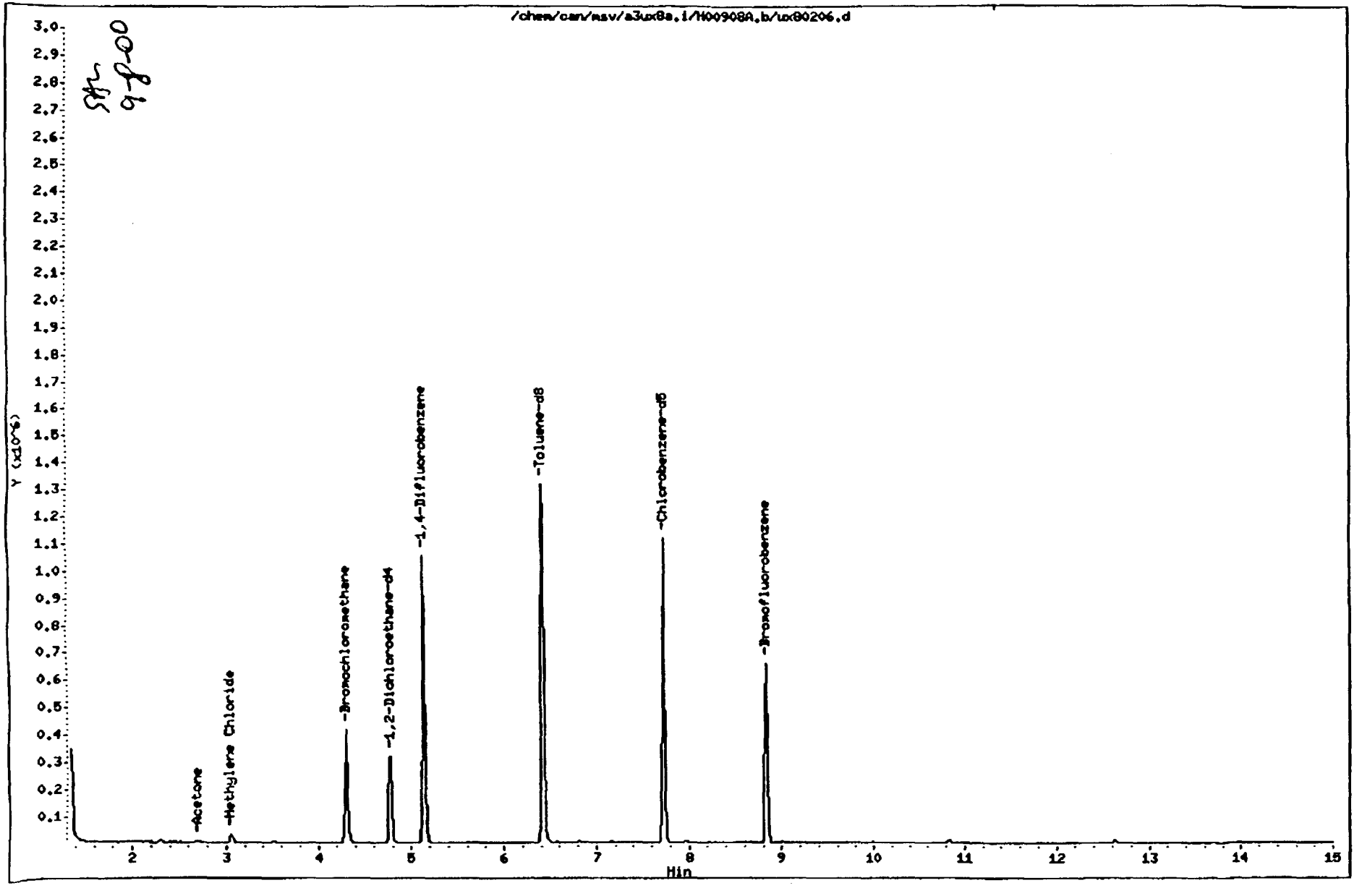
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: /chem/can/msv/a3ux8a.i/H00908A.b/ux80206.d
Date : 08-SEP-2000 19:57
Client ID: VBLK DKYEP101
Sample Info: VBLK,,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i
Operator: 2807
Column diameter: 0.18



STL 9-8-00

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 (ng)	FINAL (ug/L)
* 1 Bromochloromethane	128	4.303	4.303	(1.000)	136412	250.000	
* 2 1,4-Difluorobenzene	114	5.131	5.132	(1.000)	921612	250.000	
* 3 Chlorobenzene-d5	117	7.722	7.723	(1.000)	734941	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.764	4.777	(1.107)	230024	253.666	50.733
$ 5 Toluene-d8	98	6.409	6.410	(0.830)	974897	246.872	49.374
$ 6 Bromofluorobenzene	95	8.835	8.835	(1.144)	267205	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	3.048	3.049	(0.708)	16335	15.6191	3.124
14 Acetone	43	2.693	2.694	(0.626)	5951	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	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	23 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	81 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/can/msv/a3ux8a.i/M00908A.b/ux80206.d

Date : 08-SEP-2000 19:57

Client ID: VBLK

Instrument: a3ux8a.i

Sample Info: VBLK,,5ML/5ML

Purge Volume: 5.0

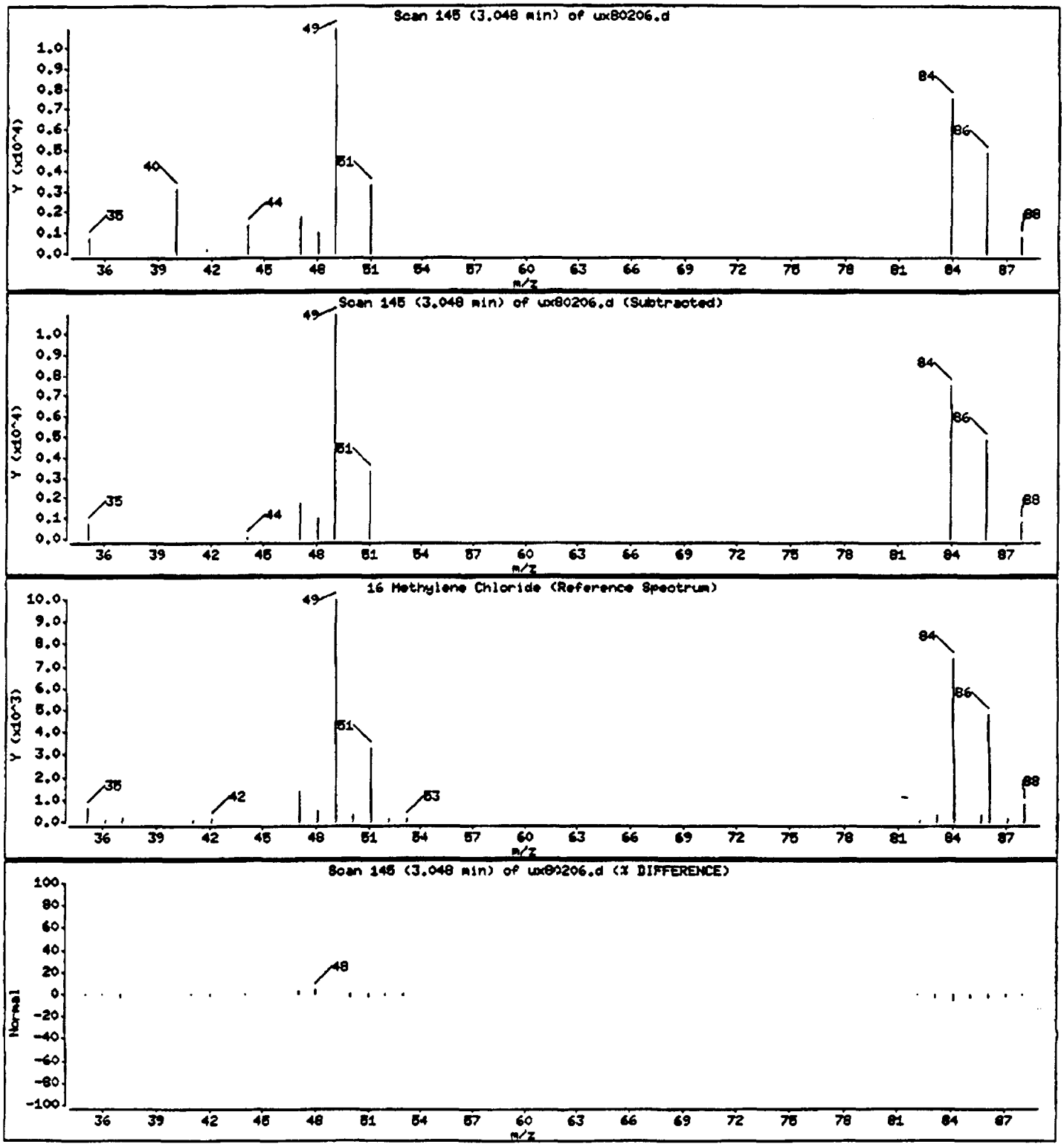
Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

16 Methylene Chloride

Concentration: 3.124 ug/L



Data File: /chem/can/msv/a3ux8a.i/M00908A.b/ux80206.d

Date : 08-SEP-2000 19:57

Client ID: VBLK

Instrument: a3ux8a.i

Sample Info: VBLK,,5ML/5ML

Purge Volume: 5.0

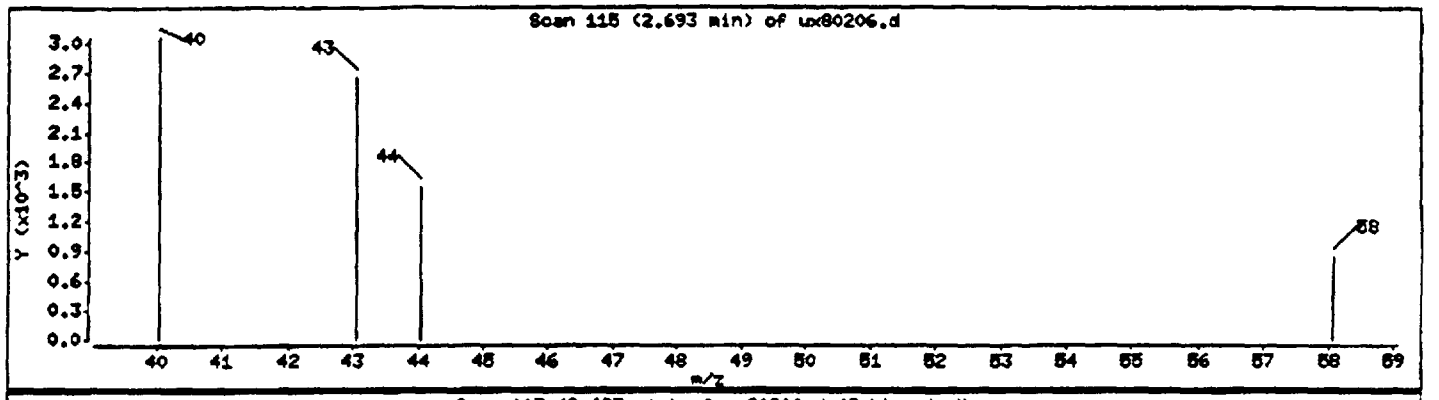
Operator: 2807

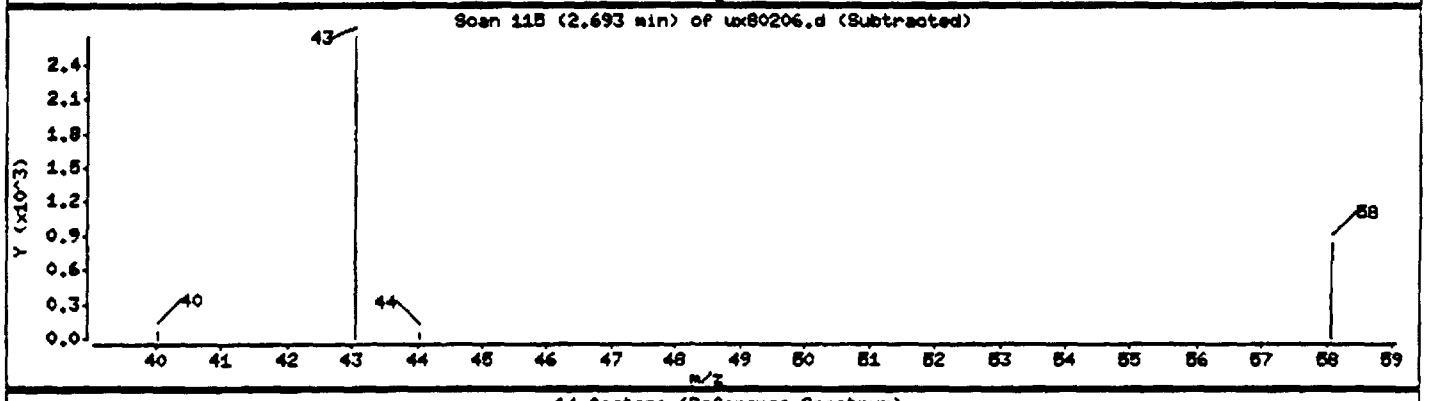
Column phase: DB624 20m

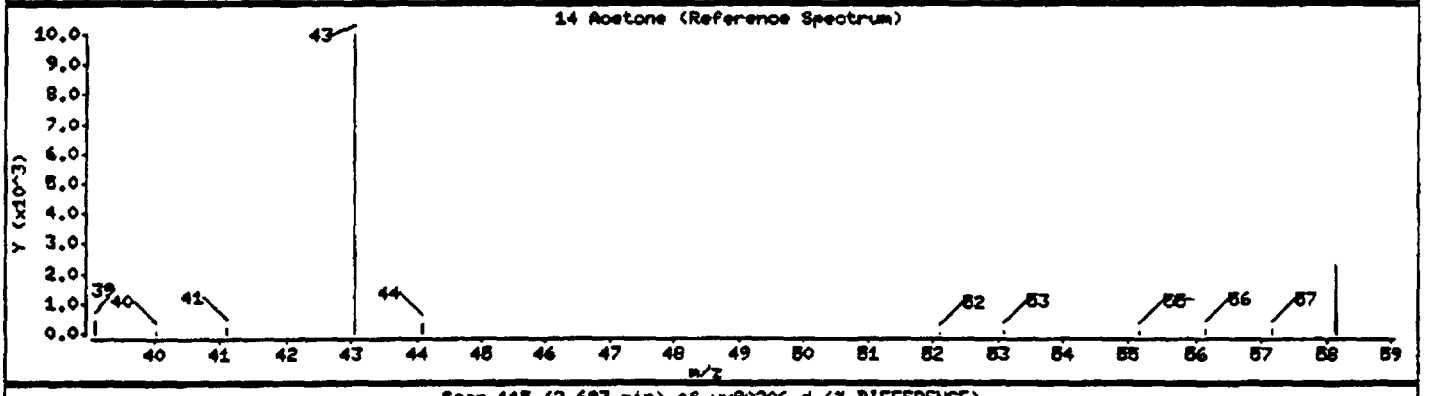
Column diameter: 0.18

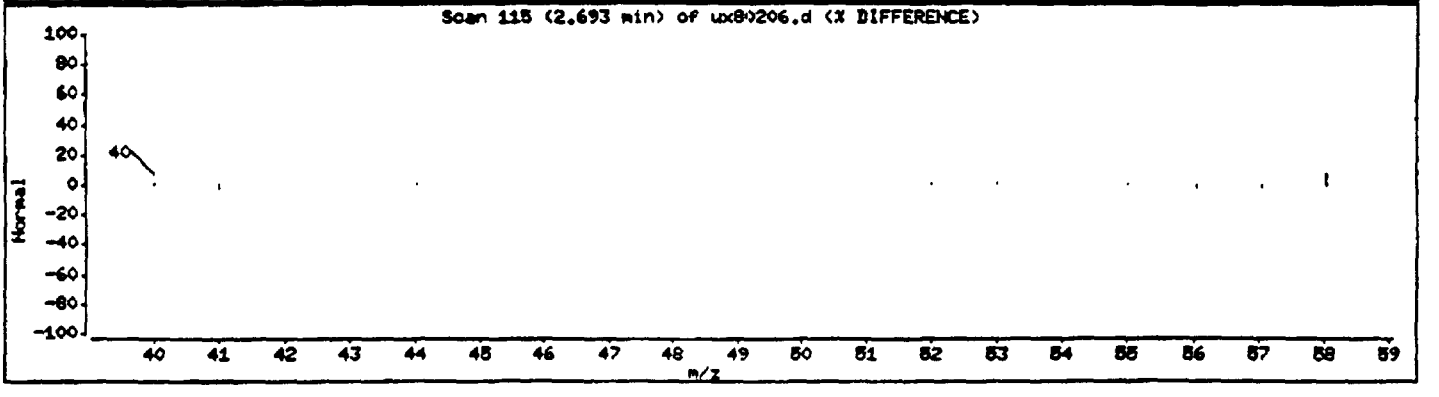
14 Acetone

Concentration: 2.643 ug/L









RMT
METHOD BLANK COMPOUNDS

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

RMT
TENTATIVELY IDENTIFIED 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

(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.i/N00907A-CLP.b/ux9800.d

Date : 07-SEP-2000 08:27

Client ID: VBLK DK2H4101

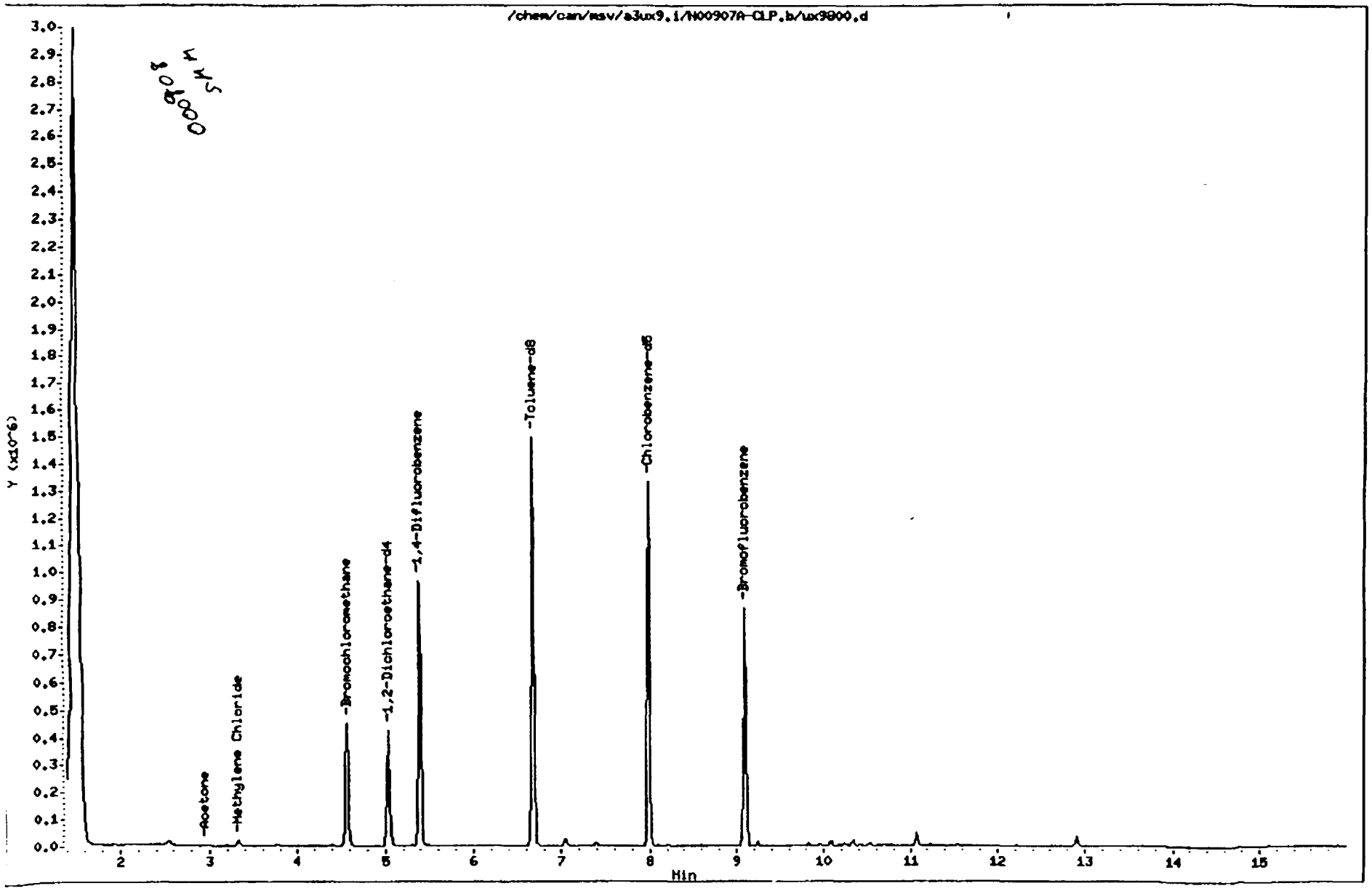
Sample Info: VBLK,,5G/5HL

Column phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819

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/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)	815854	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.029	5.038	(1.101)	298433	247.961	49.592
$ 5 Toluene-d8	98	6.674	6.671	(0.836)	1006777	239.433	47.887
$ 6 Bromofluorobenzene	95	9.099	9.097	(1.139)	324829	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.					
14 Acetone	43	2.946	2.932	(0.645)	11576	8.01817	1.604
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.313	3.322	(0.725)	8334	7.29650	1.459
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/a3ux9.i/N00907A-CLP.b/ux9800.d

Date : 07-SEP-2000 08:27

Client ID: VBLK

Instrument: a3ux9.i

Sample Info: VBLK,,5G/5HL

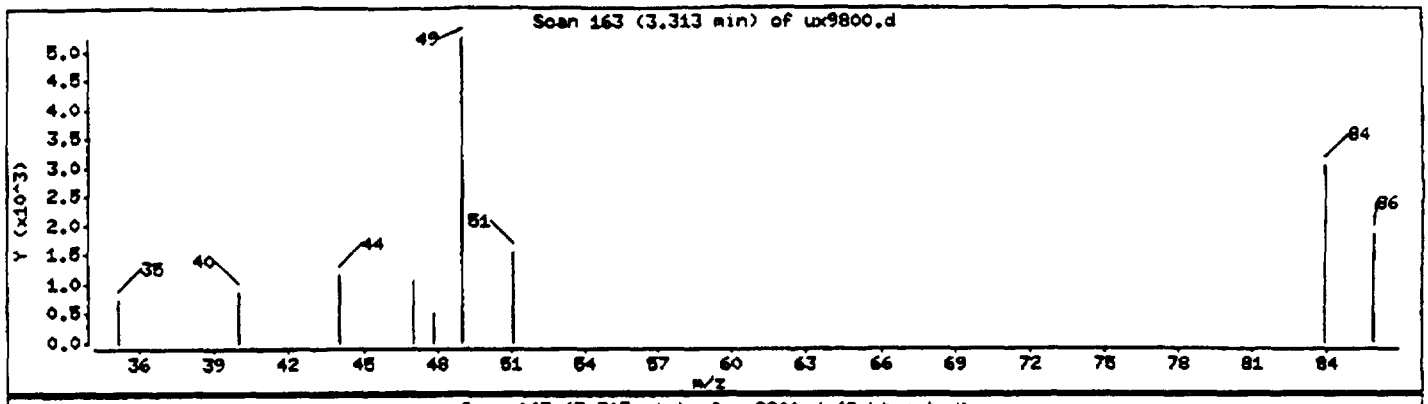
Operator: 01819

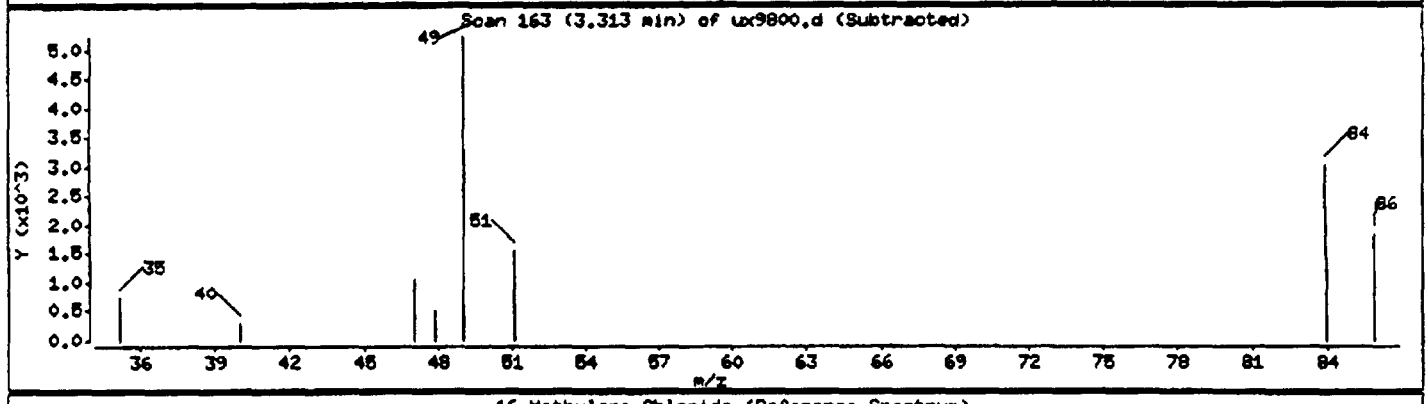
Column phase: RTX502.2

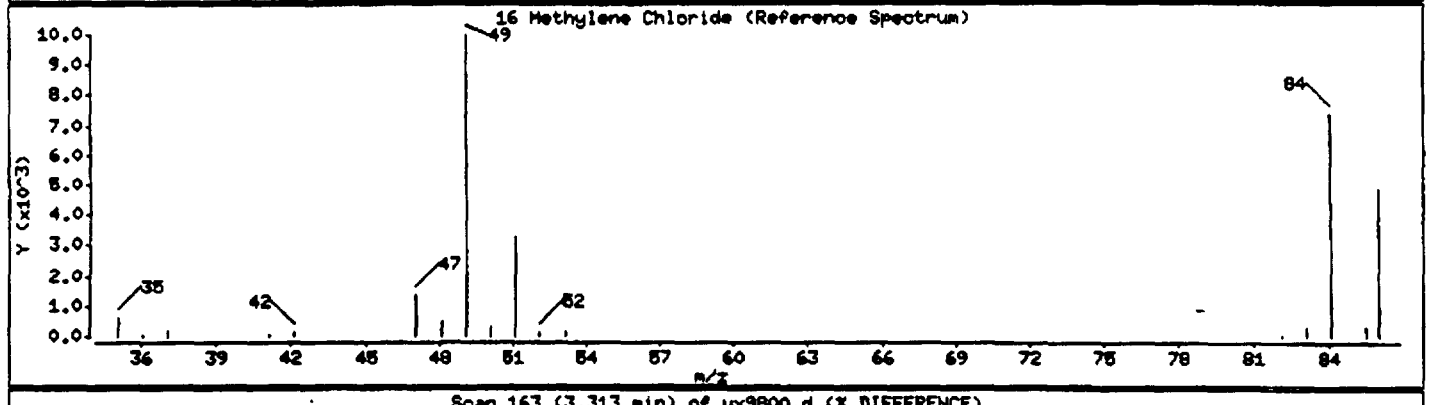
Column diameter: 0.53

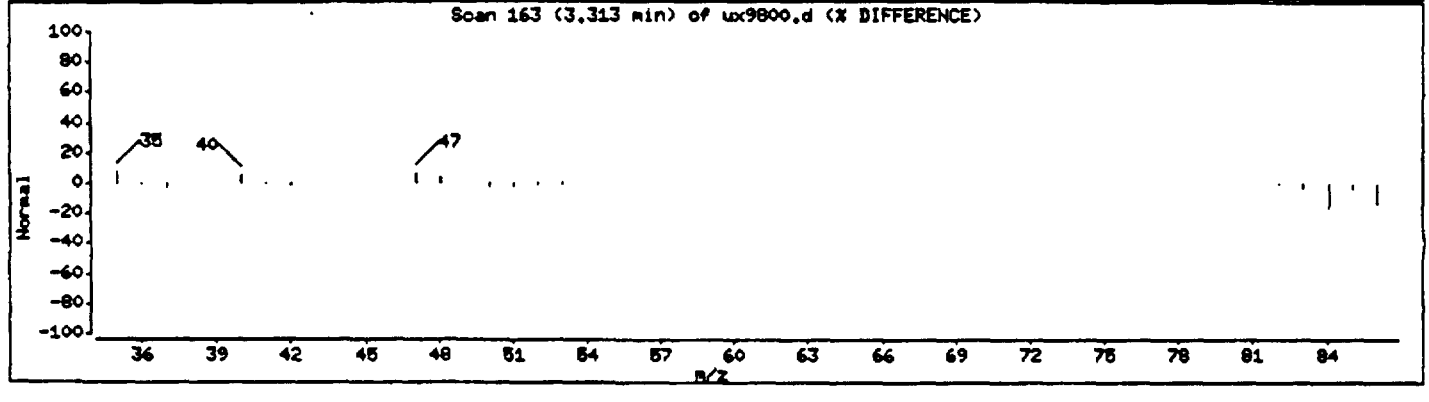
16 Methylene Chloride

Concentration: 1.459 UG/KG









Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9800.d

Date : 07-SEP-2000 08:27

Client ID: VBLK

Instrument: a3ux9.i

Sample Info: VBLK,,BG/BHL

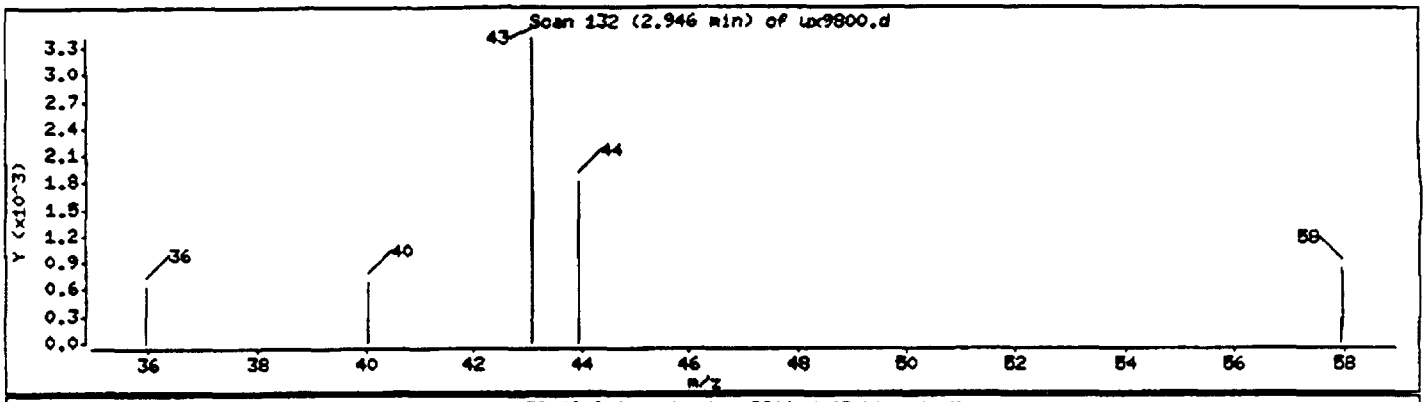
Operator: 01819

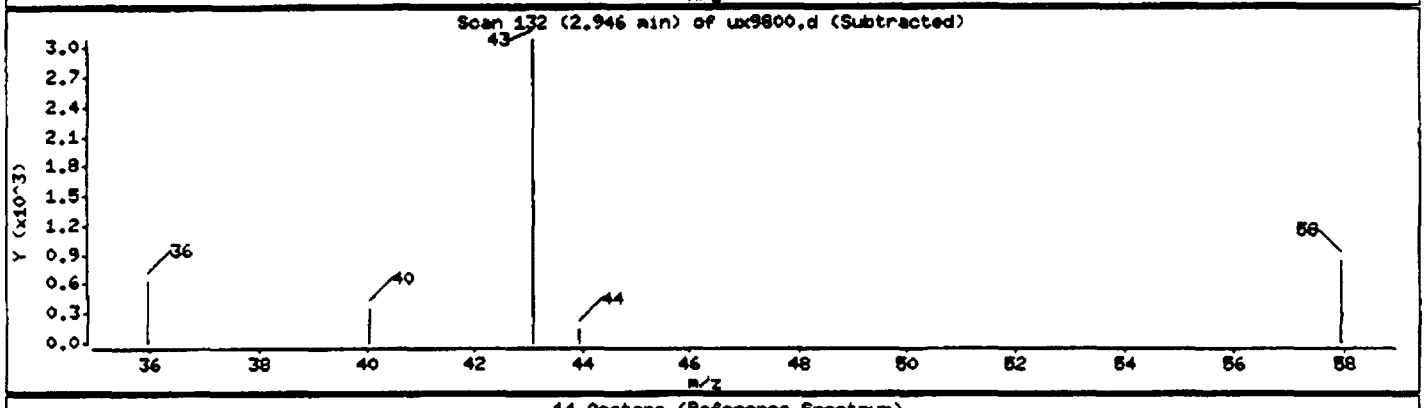
Column phase: RTX502.2

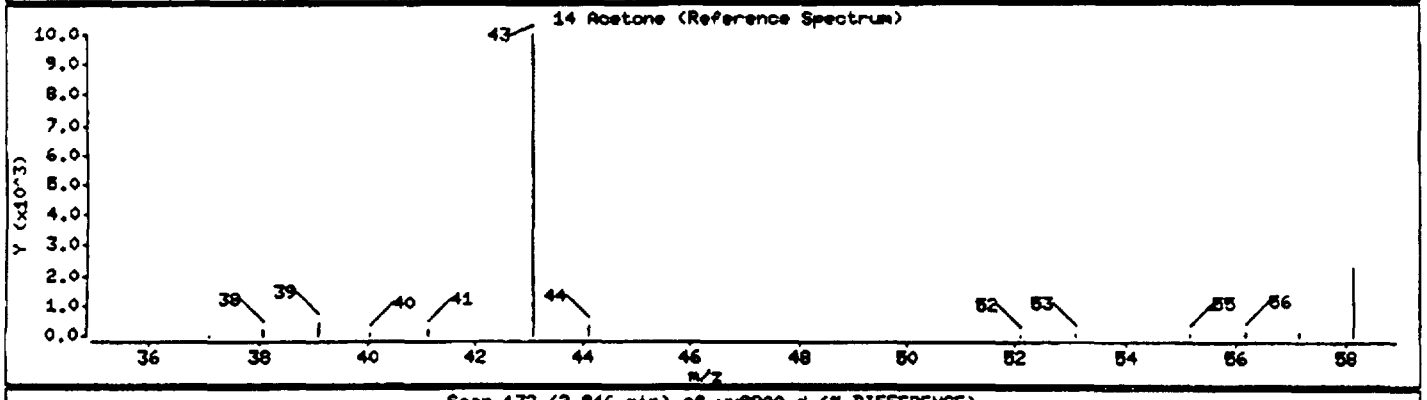
Column diameter: 0.53

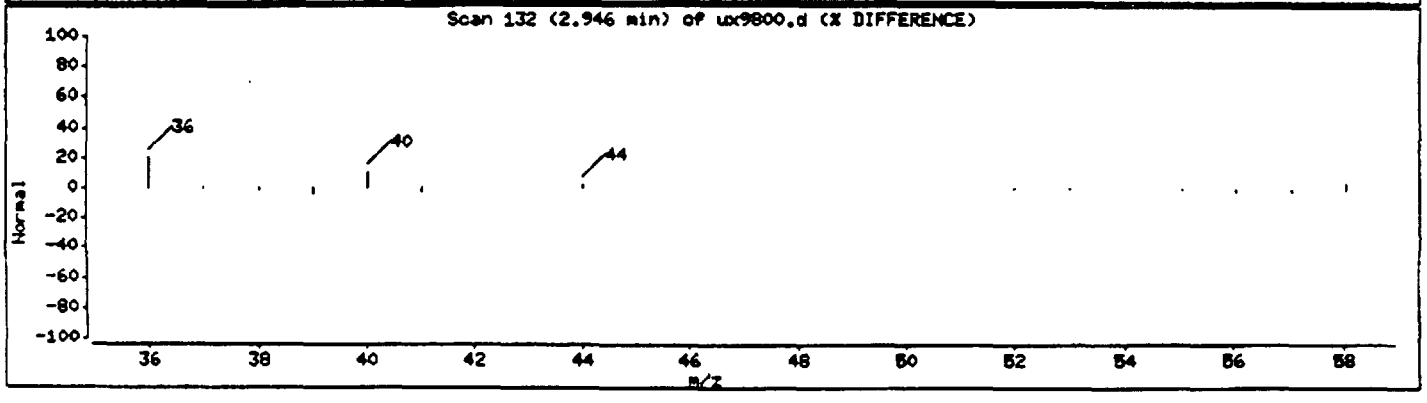
14 Acetone

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:A0I010248 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 Analyzed: 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	

Data File: /chem/can/msv/a3ux9.i/N00907A-CLP.b/ux9810.d

Date : 07-SEP-2000 12:22

Client ID:

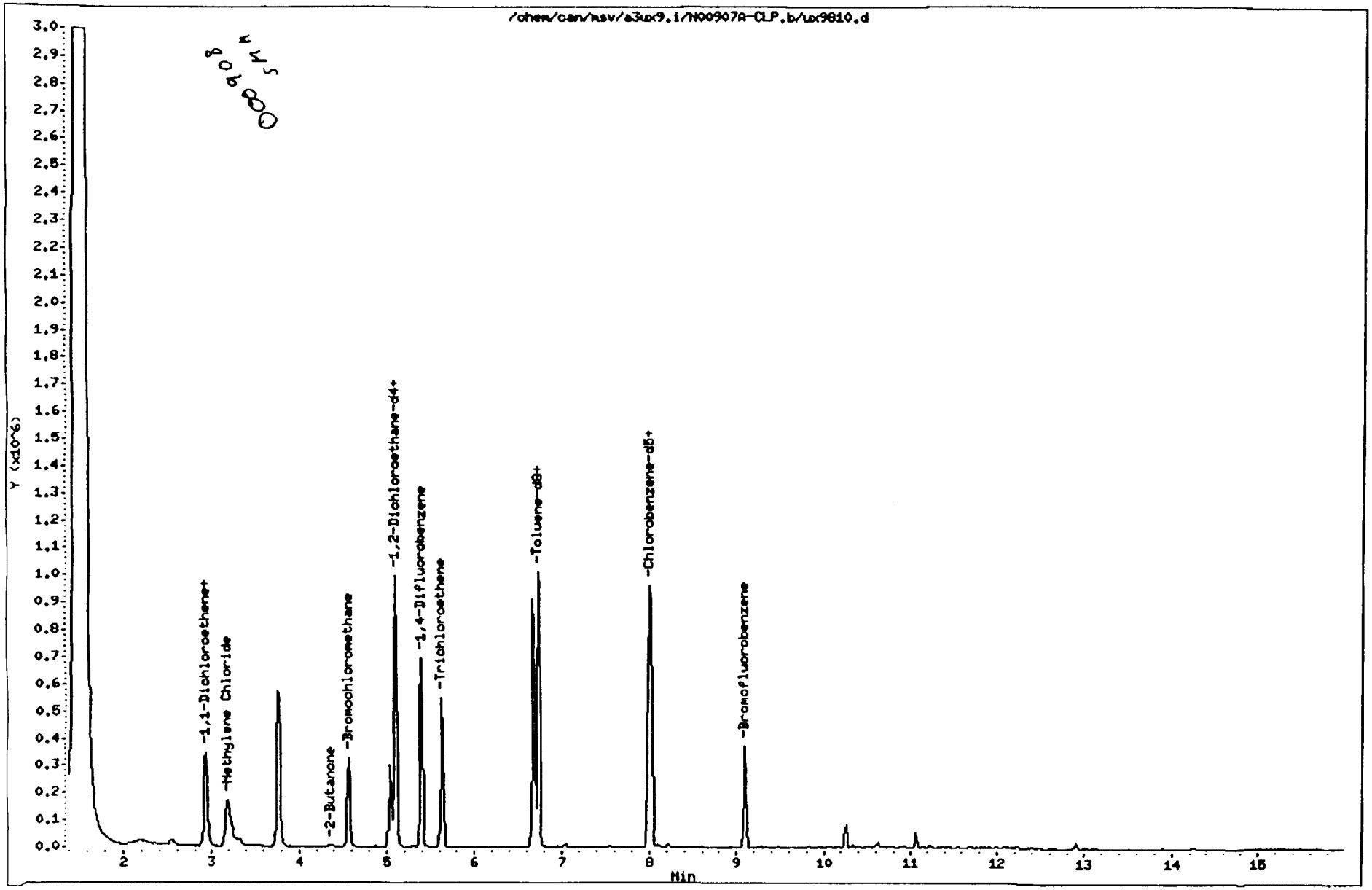
Sample Info: DJRN4 ,,5G/5ML

Column phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819

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/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	4.564	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)	419723	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.037	5.038	(1.104)	208669	260.618	52.124
$ 5 Toluene-d8	98	6.670	6.671	(0.834)	653670	302.176	60.435
$ 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.					
15 1,1-Dichloroethene	96	2.931	2.932	(0.642)	177686	286.795	57.359
14 Acetone	43	2.942	2.932	(0.645)	23481	24.4480	4.890
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.321	3.322	(0.728)	7807	10.2744	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-Dichloroethane	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	(1.003)	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 Date Received: 09/01/00
Work Order: DJRN4110 Date Extracted:09/07/00
Dilution factor: 1 Date Analyzed: 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	77	
79-01-6	Trichloroethene	56	
71-43-2	Benzene	68	
108-88-3	Toluene	78	
108-90-7	Chlorobenzene	70	

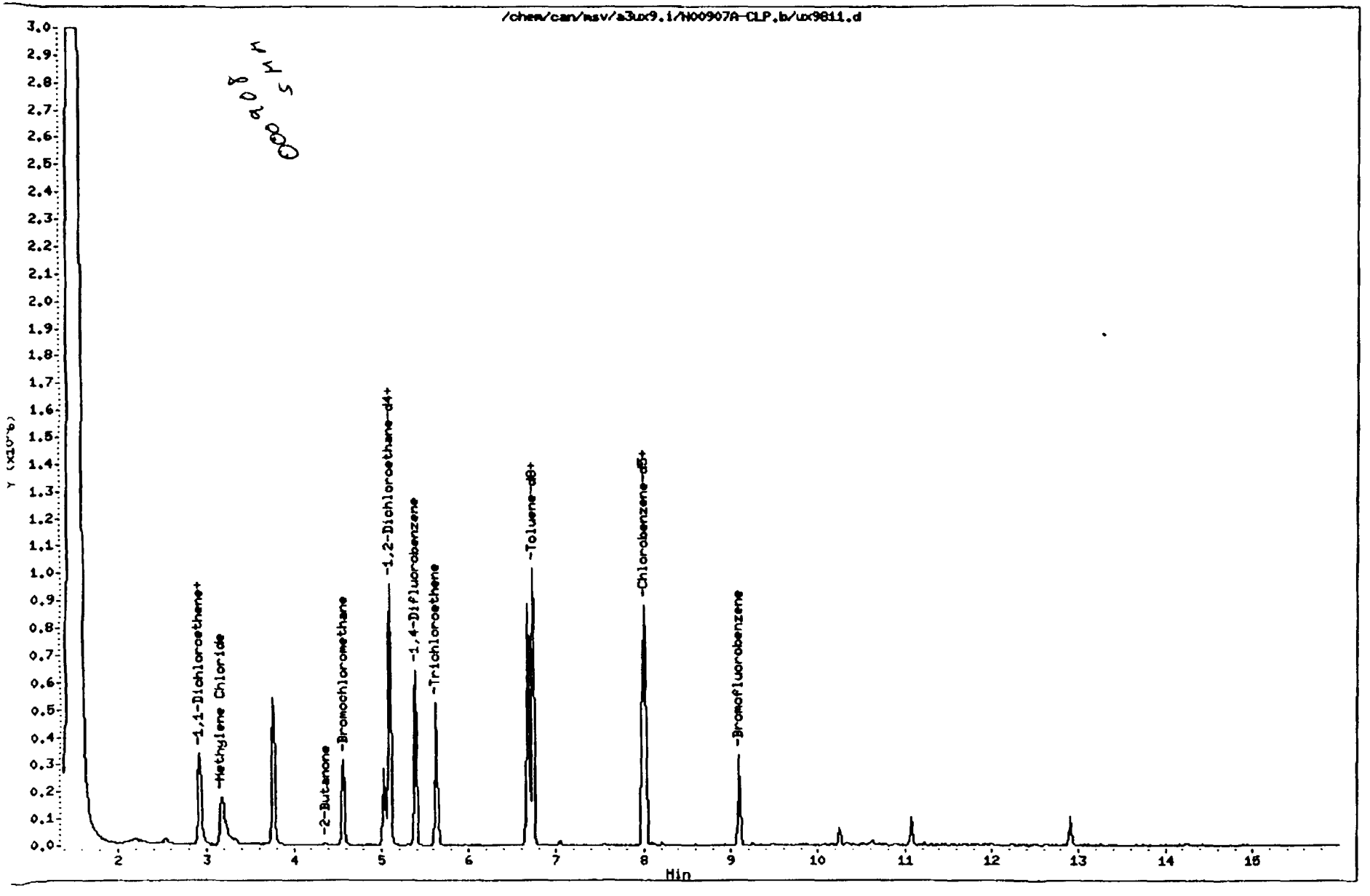
FORM I

Data File: /chem/can/msv/a3ux9.i/W00907A-CLP.b/ux9811.d
Date : 07-SEP-2000 12:45
Client ID:
Sample Info: DJRN4 ,,5G/5ML

Column phase: RTX502.2

Instrument: a3ux9.i

Operator: 01819
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/ux9811.d
Lab Smp Id: DJRN4
Inj Date : 07-SEP-2000 12:45
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: 18 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)	87169	250.000	
* 2 1,4-Difluorobenzene	114	5.394	5.393	(1.000)	580167	250.000	
* 3 Chlorobenzene-d5	117	7.986	7.985	(1.000)	387036	250.000	
$ 4 1,2-Dichloroethane-d4	65	5.039	5.038	(1.104)	201671	271.585	54.317
$ 5 Toluene-d8	98	6.672	6.671	(0.836)	612925	307.270	61.454
$ 6 Bromofluorobenzene	95	9.098	9.097	(1.139)	122114	178.321	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.					
15 1,1-Dichloroethene	96	2.921	2.932	(0.640)	176364	306.932	61.386
14 Acetone	43	2.945	2.932	(0.645)	16452	18.4697	3.694
17 Carbon Disulfide	76	Compound Not Detected.					
16 Methylene Chloride	84	3.312	3.322	(0.725)	5565	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)	8714	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	164	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)	481490	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.					

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MISCELLANEOUS DATA

UX8
Batch # 0252445

STL-North Canton
GC/MS VOA Run Log

Due 9/22

Date: 4-8-00

Column	BFB	Analysis	Purge & Trap
Type: DB624	100C for 0.1 min	45C for 2 min	Trap: 10
Length 20 M	to 200C @20 C/min	to 200C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold ✓ min	to — C @ — C/min	Desorb: 1 min @190C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 6 min @260C
CLP / Sml			Heated Purge: Yes (No)

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Sample prep	Comments	Sample status
—	BFB		BFB8503	50ug	Direct Inj.	1625	Ok
1	CLP STD		UX80198	1000ug	V7522 V1570 V7582		Ok
2			UX80199	500ug			Ok
3			UX80200	250ug		V00908-8 (CLP)	Ok
4			UX80201	100ug			Ok
5			UX80202	50ug			Ok
6	CHech		UX80203	250ug (5ml/5ml)		V7583 V7523	Ok
7	CHechDup		UX80204				Ok
8	VBUL		UX80205	5ml/5ml			Ok
9	DK4EP101 VBUL		UX80206	5ml/5ml			Ok
10	DJRPG101		UX80207	5ml/5ml			Ok
11	DJRRK101		UX80208	5ml/5ml			Ok

AQI010248

SAM 9-8-00

Analyst:
Second level Review:

№ 063

N:\QAQC\Lab Form\voa run logs

UX9
Batch # 0252101
MS Run# 0252006

STL-North Canton
GC/MS VOA Run Log

(9/22)

Date: 9-7-00

Column	BFB	Analysis	Purge & Trap
Type: DB 624	100 C for 0.1 min	45 C for 2 min	Trap: 10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold ✓ min	to — C @ — C/min	Desorb: 1 min @ 190C
Flow Rate 0.4 ml/min		Hold 3 min	Bake: 5 min @ 210 C
		CLP soil	Heated Purge: (Yes) No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Sample prep	Comments	Sample status
	BFB		BFB171	50 ng	direct injection	(5:48)	OK
1	8260 std		ux9794	1000 ng	v7592		OK
2			ux9795	500 ng	v7570 v7565		OK
3			ux9796	250 ng	v7582	N00907 - CLP	OK
4			ux9797	100 ng			OK
5			ux9798	50 ng			OK
6	check		ux9799	100 ng			OK
7	Blank		ux9800	5.0 g / 5 ml		d K2H4-101	OK
8	DJRN410T		ux9801	5.0 g			OK
9	dJRNd10T		ux9802	5.0 g			OK
10	dJRNG10T		ux9803	5.0 g			OK
11	dJRNK10T		ux9804	5.0 g		IS1 (x2)	OK
12	dJRNM10T		ux9805	5.0 g		IS1 (x2)	OK
13	dJRNN10T		ux9806	5.0 g			OK
14	dJRNQ10T		ux9807	5.0 g		IS1	
15	dJRPC10T		ux9808	5.0 g			OK
16	dJRP710T		ux9809	5.0 g		IS1	
17	dJRN410X		ux9810	5.0 g	+250 ng	IS1	OK
18	dJRN410		ux9811	5.0 g	+250 ng	IS1	OK
19	dJRNK20T	R	ux9812	5.0 g		IS1 (x2)	OK
20	dJRNM20T	R	ux9813	5.0 g		IS1 (x2)	OK
21	dJRNQ10T		ux9814	5.0 g			OK
22	dJRP710T		ux9815	5.0 g			OK

Analyst: SMM
Second level Review: SAM 9/11/00

№ 047

N:\QAQC\Lab Form\voa 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 F
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.

09/20/00 09:07:47 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A0I010248	1	DJRNK10T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	2	DJRND10T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	3	DJRNG10T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	4	DJRNK10T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	4	DJRNK20T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	5	DJRNM10T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	5	DJRNM20T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	6	DJRNM10T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	7	DJRNQ10T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	8	DJRP010T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	9	DJRP710T	MSVCLP31	9/07/00	Susan McDaniel
A0I010248	10	DJRPG101	MSVCLP31	9/08/00	Steve Macenczak
A0I010248	11	DJRRK101	MSVCLP31	9/08/00	Steve Macenczak

*** END OF REPORT ***

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GCMS SEMIVOLATILE 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: I01248

Lot #: A0I010248

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	SRG07	SRG08	TOT OUT
01	SL50-4'	33	57	124	56	52	21 *	44	84	01
02	SL51-6"	2.1*	38	94	18 *	6.4*	49	3.5*	88	04
03	SL51-6" RE-2	45	52	81	54	57	32	46	54	00
04	SL51-4'	2.5*	46	106	25	12 *	0.5*	6.8*	92	04
05	SL51-4' RE-1	56	65	94	68	72	42	64	76	00
06	SL52-6"	13 *	53	100	39	28	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 *	1.8*	13 *	68	04
09	SL53-6" RE-1	62	75	88	68	68	58	60	60	00
10	SL50-6"	46	56	88	56	56	33	52	68	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	15 *	1.6*	10 *	80	04
14	SL55-6" RE-1	65	76	88	72	76	58	68	72	00
15	METHOD BLK. DJVT3101	55	65	100	64	68	41	64	68	00
16	METHOD BLK. DLH2C101	52	59	118	60	64	39	52	68	00
17	METHOD BLK. DL4QA101	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: QESCAN

SDG Number: I01248

Lab File ID: DJVT3BLK.

Lot Number: A0I010248

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'	DJRND10U	SL504.D	09/29/00	22:16
02	SL51-6"	DJRNG10U	SL516.D	09/30/00	02:52
03	SL51-4'	DJRNK10U	SL514.D	09/29/00	22:56
04	SL52-6"	DJRNM10U	SL526.D	09/29/00	23:35
05	SL52-4'	DJRNN10U	SL524.D	09/30/00	00:15
06	SL53-6"	DJRNQ10U	SL536.D	09/30/00	00:54
07	SL50-6"	DJRN410U	SL506.D	09/30/00	02:13
08	SL54-6"	DJRP010U	SL546.D	09/30/00	03:31
09	SL54-6"	DJRP020U	SL546R.D	09/30/00	16:01
10	SL55-6"	DJRP710U	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					
20					
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					
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COMMENTS:

FORM IV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

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

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

Instrument ID: A4HP8 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:

	EPA 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
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

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

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

Instrument ID: A4HP8 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 (0.0)1
69	Mass 69 relative abundance	43.4
70	Less than 2.0% of mass 69	0.3 (0.6)1
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 (19.2)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	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"	DJRNG10U	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
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

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

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	8SML0930	09/30/00	1239
02	DK6MMBLK	DK6MM101	DK6MMBLK	09/30/00	1318
03	SL54-6"	DJRP020U	SL546R	09/30/00	1601
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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: QESOH Case No.: SAS No.: SDG No.: I01248

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	(0.0)1
69	Mass 69 relative abundance	38.2	
70	Less than 2.0% of mass 69	0.1	(0.2)1
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	(19.9)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	8SML1016	10/16/00	1823
02	DLH2CBLK	DLH2C101	DLH2CBLK	10/16/00	1906
03	SL51-6"	DJRNG30U	SL516RE	10/16/00	1946
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FORM V SV OLM03.0

8B
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): 8SML0929 Date Analyzed: 09/29/00

Instrument ID: A4HP8 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	DJVT3BLK	346346	7.94	1361352	10.42	790174	14.09
02	DL4QABLK	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	1475719	10.42	849100	14.08
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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.

8C
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): 8SML0929 Date Analyzed: 09/29/00

Instrument ID: A4HP8 Time Analyzed: 2017

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1438411	17.24	985714	22.87	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	DJVT3BLK	1214563	17.23	742140	22.85	546875	25.66
02	DL4QABLK	1232361	17.23	799073	22.86	621591	25.66
03	SL50-4'	1027849	17.23	520977	22.85	359598	25.65
04	SL51-4'	1104347	17.23	632942	22.85	475614	25.66
05	SL52-6"	1077528	17.23	671141	22.85	514143	25.66
06	SL52-4'	1136148	17.23	723383	22.85	548173	25.65
07	SL53-6"	1276331	17.23	795291	22.86	618080	25.66
08	SL55-6"	1363117	17.23	860839	22.86	671096	25.66
09	SL50-6"	1224964	17.23	566772	22.85	441645	25.66
10	SL51-6"	1112345	17.23	676839	22.85	565184	25.66
11	SL54-6"	1038911	17.23	521019	22.85	371526	25.66
12	SL51-4'	1248410	17.23	723842	22.85	555905	25.66
13	SL53-6"	1144168	17.23	812069	22.85	596049	25.66
14	SL55-6"	1266947	17.23	789039	22.85	623335	25.66
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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.

8B
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): 8SML0930 Date Analyzed: 09/30/00

Instrument ID: A4HP8 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	DK6MMBLK	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.

8C
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): 8SML0930 Date Analyzed: 09/30/00

Instrument ID: A4HP8 Time Analyzed: 1239

		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	DK6MMBLK	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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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.

8B
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): 8SML1016 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	DLH2CBLK	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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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.

8C
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): 8SML1016 Date Analyzed: 10/16/00

Instrument ID: A4HP8 Time Analyzed: 1823

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(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	SL51-6"	3484924	16.40	3076758	21.98	2294510	24.76
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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.

Committed To *Your* Success

SAMPLE DATA

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
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

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
117-81-7	bis(2-Ethylhexyl) phthalate	130	J
117-84-0	Di-n-octyl phthalate	420	U
205-99-2	Benzo(b)fluoranthene	250	J
207-08-9	Benzo(k)fluoranthene	93	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	420	U
191-24-2	Benzo(ghi)perylene	420	U

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

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"

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.3777	40000	JA
	Unknown	10.297	790	J
	Unknown chloro-methyl-phenol	11.369	94	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	92	J
56641-38-4	.gamma.-Chlordene	18.832	150	NJ
309-00-2	Aldrin-R	18.972	1300	NJ
	Unknown	19.049	140	J
	Unknown	19.525	190	J
	Unknown	19.645	120	J
57-74-9	Chlordane	20.039	640	NJ
	Unknown pesticide	20.573	160	J
	Unknown	20.64	670	J
	Unknown pesticide	21.915	190	J
	Unknown	22.078	140	J
	Unknown Hydrocarbon	24.127	130	J
57-88-5	Cholesterol	27.012	420	NJ
	Unknown	27.108	310	J
60-57-1	Dieldrin	20.741	290	NJ
	Unknown	20.948	210	J
	Unknown pesticide	21.285	870	J
	Unknown Hydrocarbon	25.382	290	J

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

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)

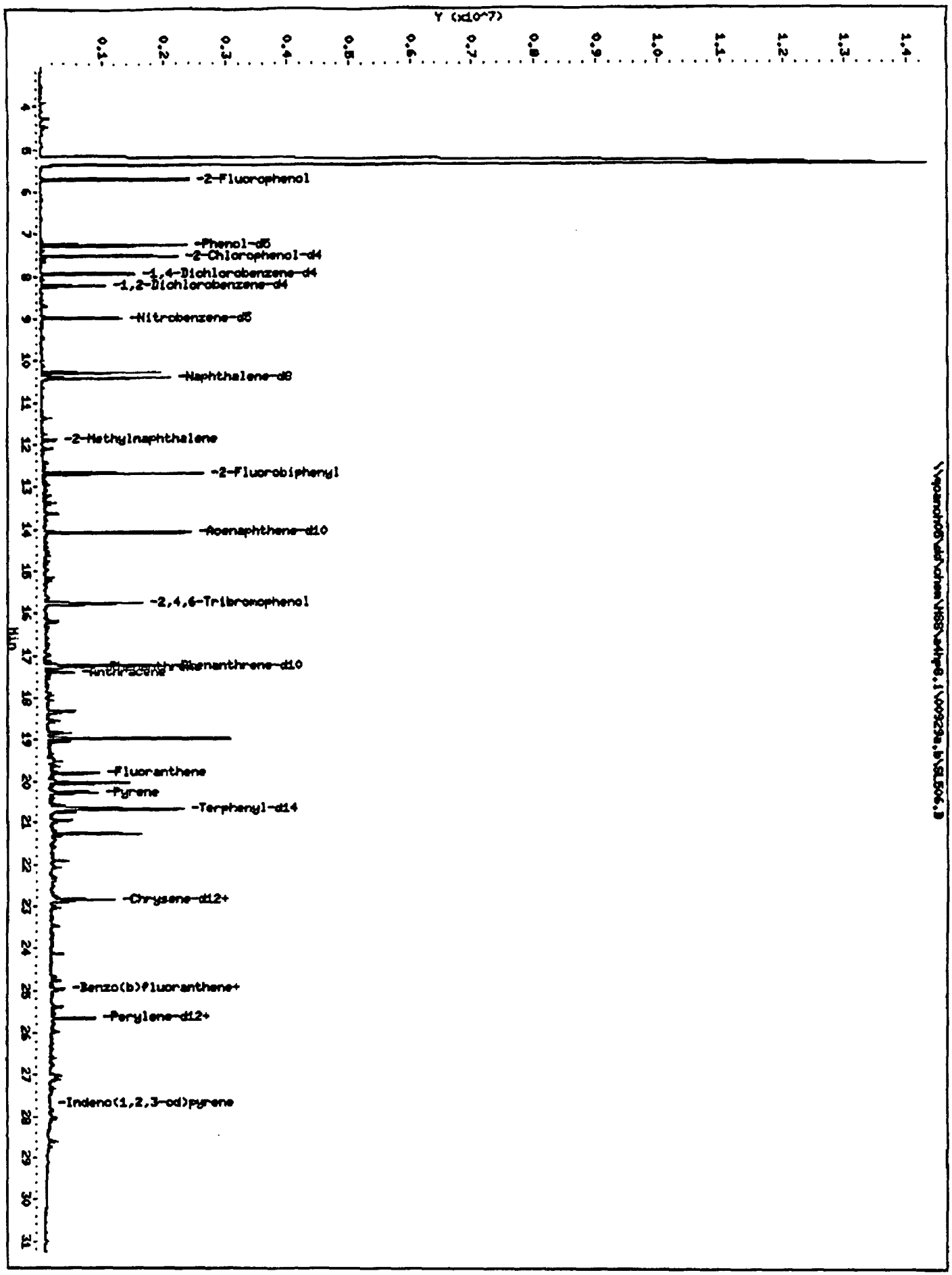
Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRN410U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:21

QC Batch: 0249298

Client Sample Id: SL50-6"

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L or ug/kg) ug/kg	Q
	Unknown	26.762	210	J
	Unknown	28.036	250	J
	Unknown	28.604	290	J

FORM I - TIC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0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
4
5
6
7
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10
11
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21
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23
24
25
26
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-Methylnaphthalene
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Anthracene
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Chrysene-d12+
-Benzo(b)fluoranthene+
-Perylene-d12+
-Indeno(1,2,3-cd)pyrene

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	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	10.426	(1.000)	1425487	40.0000	
* 3 Acenaphthene-d10	164	14.081	14.095	(1.000)	825465	40.0000	
* 4 Phenanthrene-d10	188	17.231	17.240	(1.000)	1224964	40.0000	
* 5 Chrysene-d12	240	22.852	22.866	(1.000)	566772	40.0000	
* 6 Perylene-d12	264	25.661	25.665	(1.000)	441645	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.					

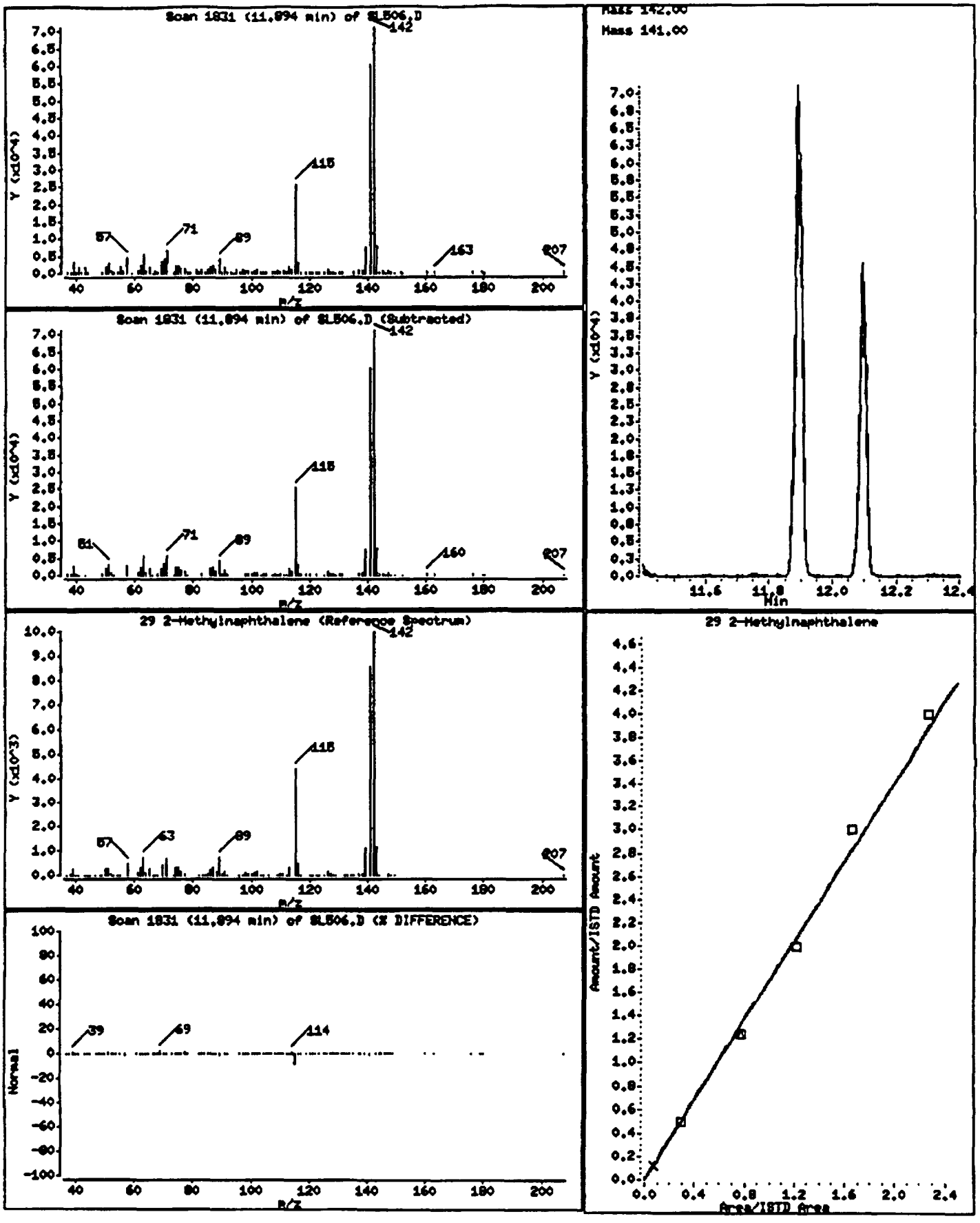
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	11.893	11.902	(1.142)	107591	6.90708	82(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	17.279	17.293	(1.003)	506829	16.5931	280(a)
55 Anthracene	178	17.385	17.399	(1.009)	59340	2.00952	33(a)
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.804	19.813	(1.149)	545862	18.5654	310(a)
59 Pyrene	202	20.280	20.289	(0.887)	320420	16.0409	270(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	22.833	22.842	(0.999)	170076	11.0769	180(aH)
63 Chrysene	228	22.905	22.919	(1.002)	195907	13.2634	220(a)
64 bis(2-ethylhexyl)Phthalate	149	23.030	23.039	(1.008)	66653	6.17212	100(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.964	24.977	(0.973)	186656	11.9892	200(a)
67 Benzo(k)fluoranthene	252	25.012	25.030	(0.975)	69225	4.46281	74(aH)
68 Benzo(a)pyrene	252	25.555	25.564	(0.996)	34606	2.51327	42(a)
69 Indeno(1,2,3-cd)pyrene	276	27.685	27.704	(1.079)	30939	2.51222	42(a)
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.989	8.998	(0.863)	690066	47.4526	790
$ 73 2-Fluorobiphenyl	172	12.687	12.696	(0.901)	1296012	57.8643	960
$ 74 Terphenyl-d14	244	20.679	20.683	(0.905)	1258134	91.4209	1500
$ 75 Phenol-d5	99	7.267	7.262	(0.915)	1356978	86.7477	1400
$ 76 2-Fluorophenol	112	5.719	5.670	(0.720)	914445	78.8199	1300
$ 77 2,4,6-Tribromophenol	330	15.755	15.764	(0.914)	287928	103.058	1700(Q)
$ 78 2-Chlorophenol-d4	132	7.522	7.517	(0.947)	897796	87.5744	1400(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.219	8.223	(1.035)	234088	33.5392	560

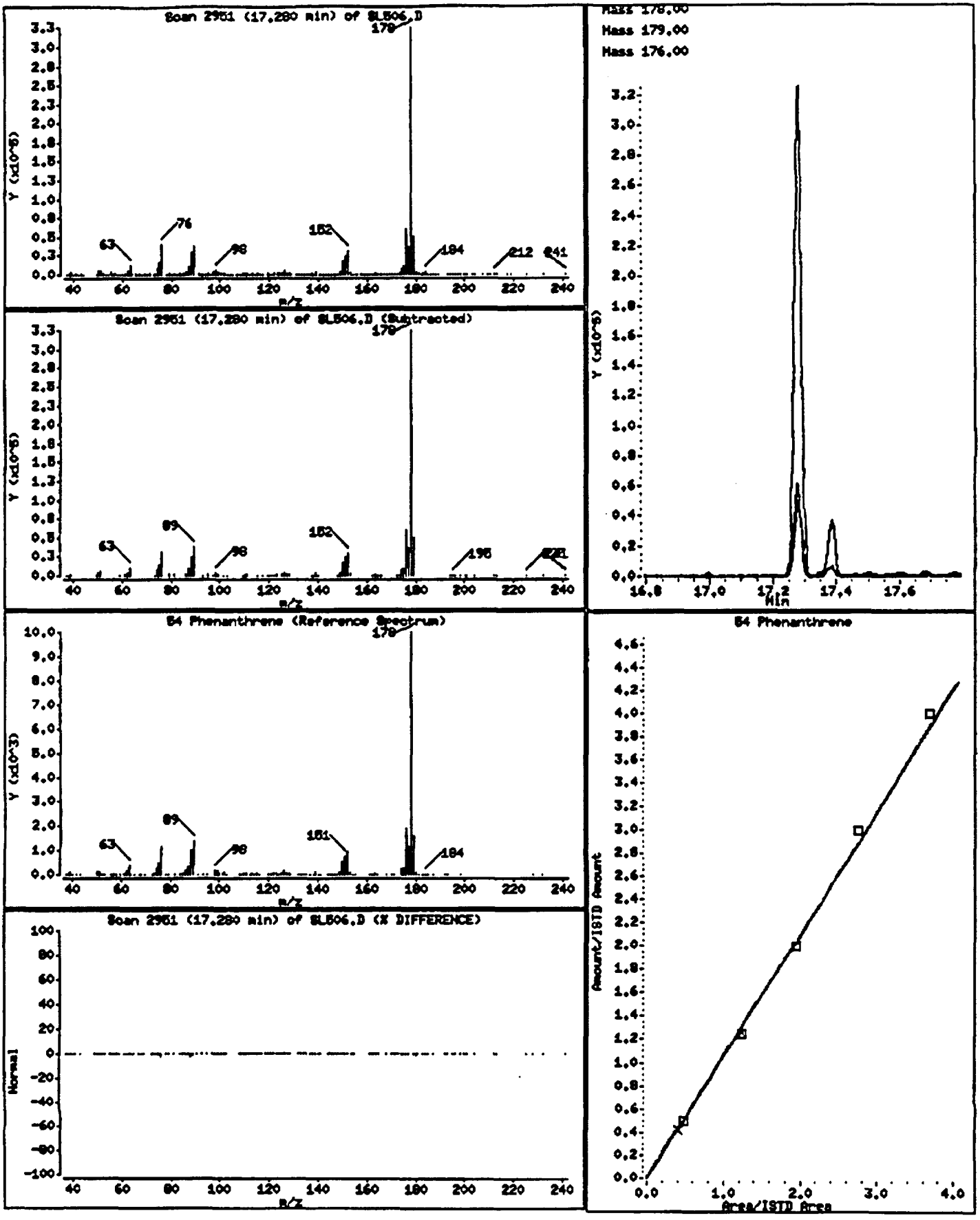
QC Flag Legend

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

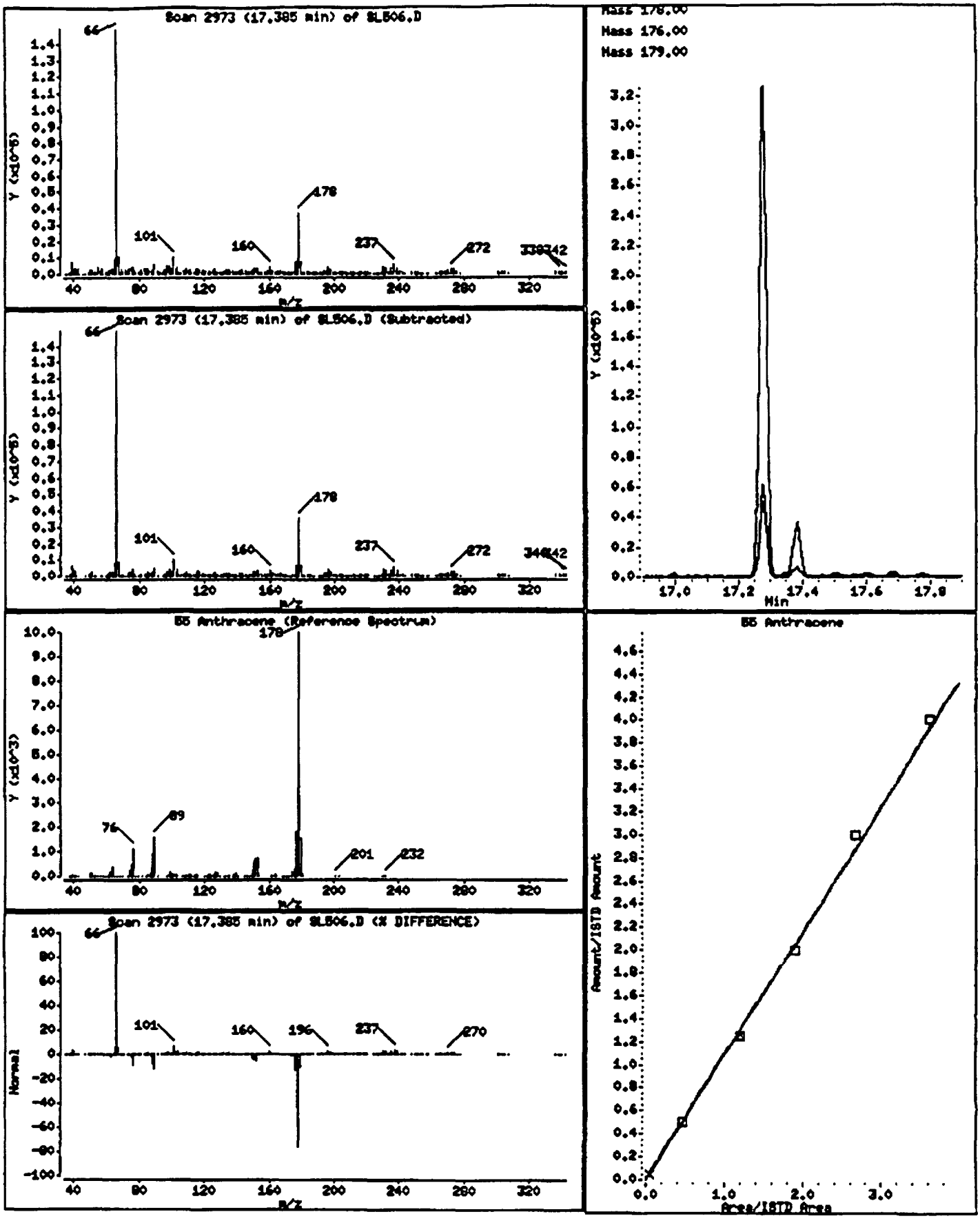
29 2-Methylnaphthalene



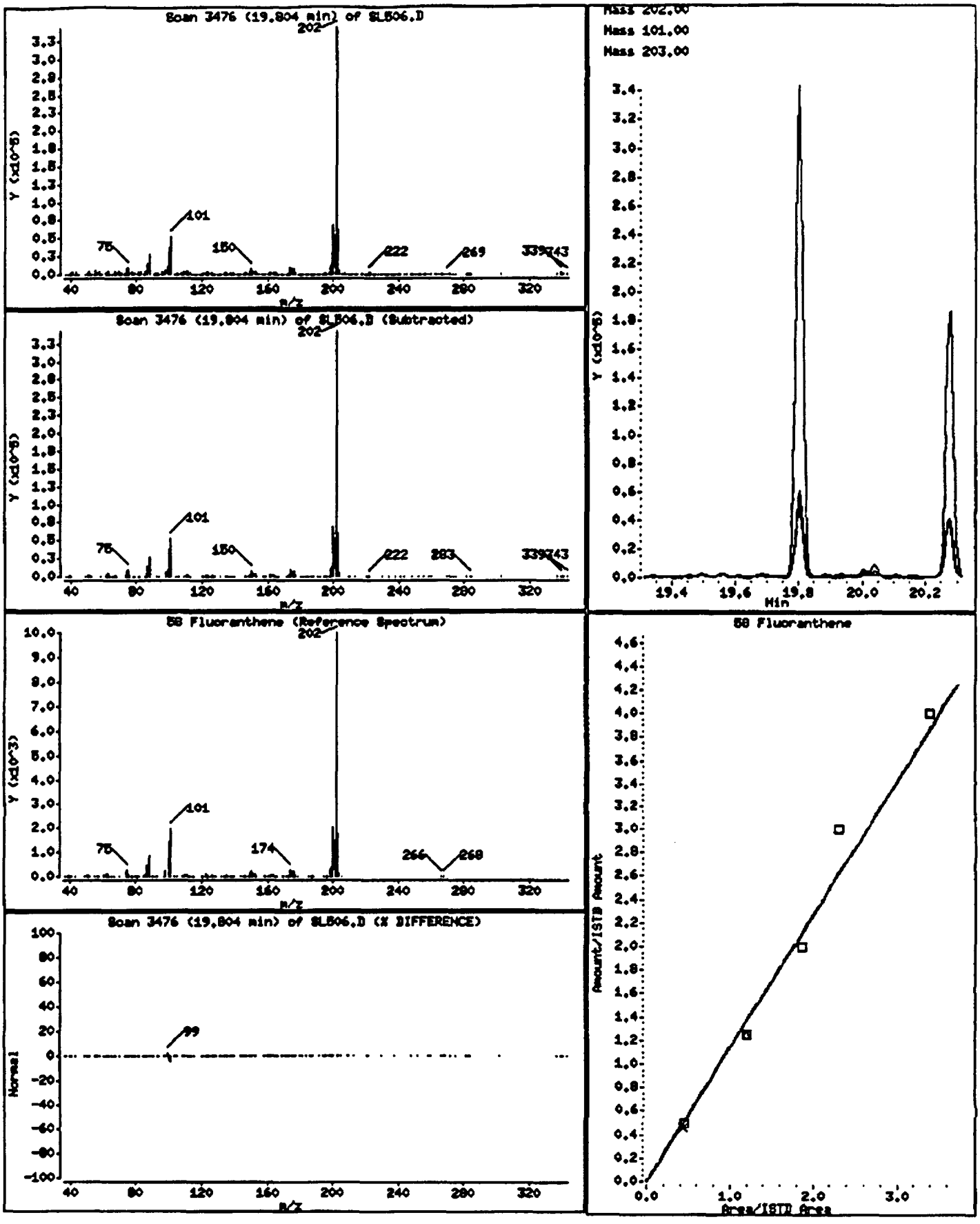
54 Phenanthrene



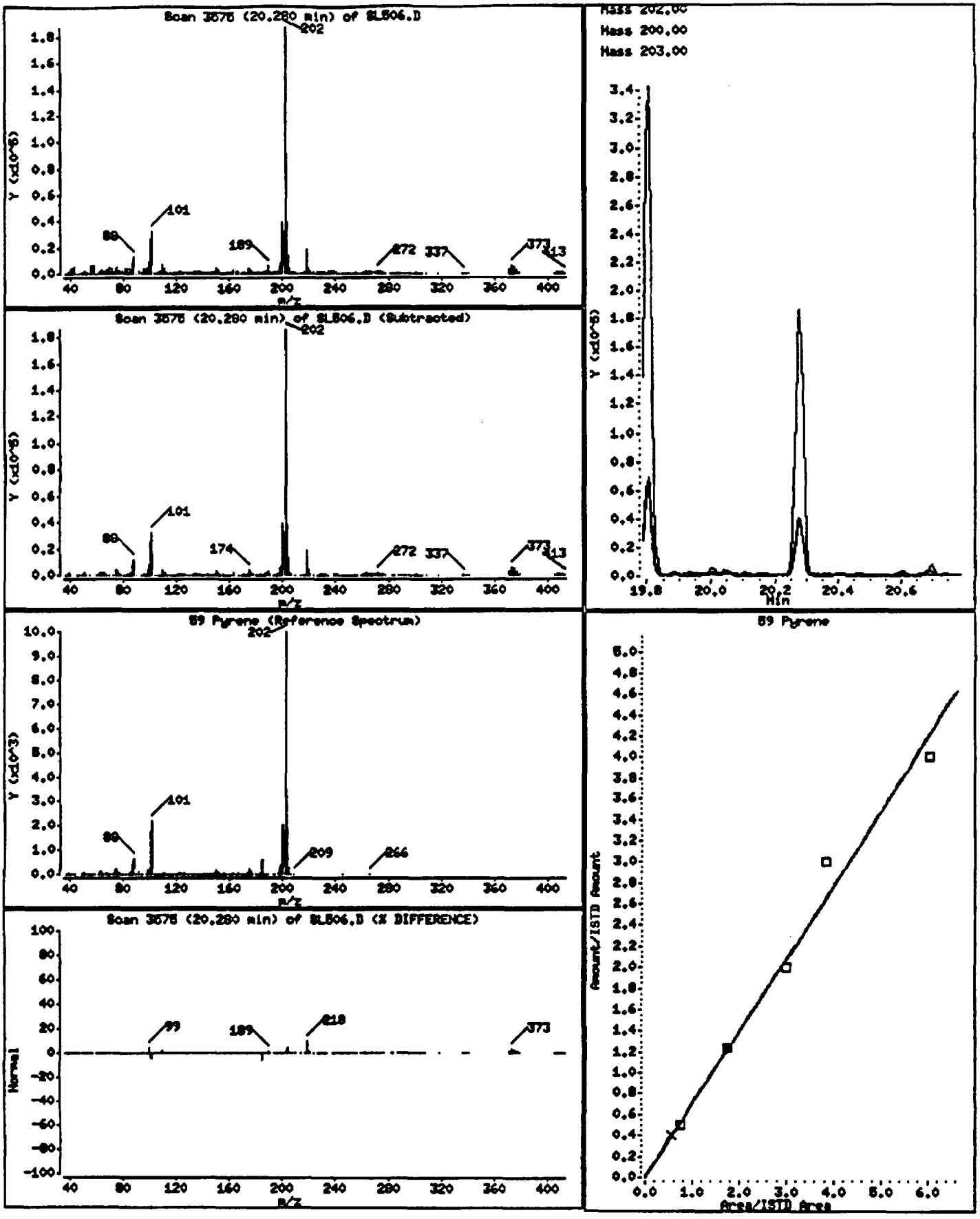
55 Anthracene



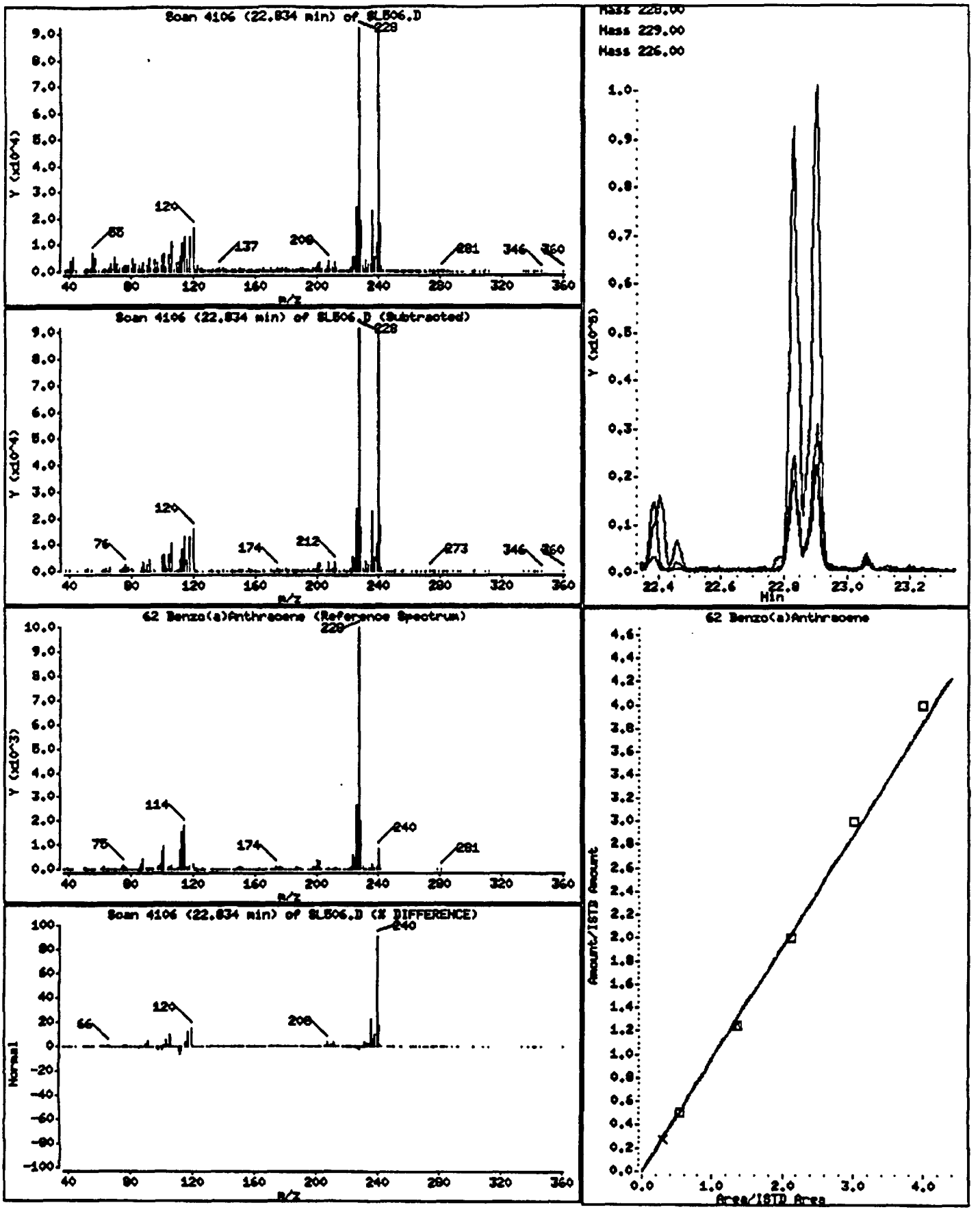
58 Fluoranthene



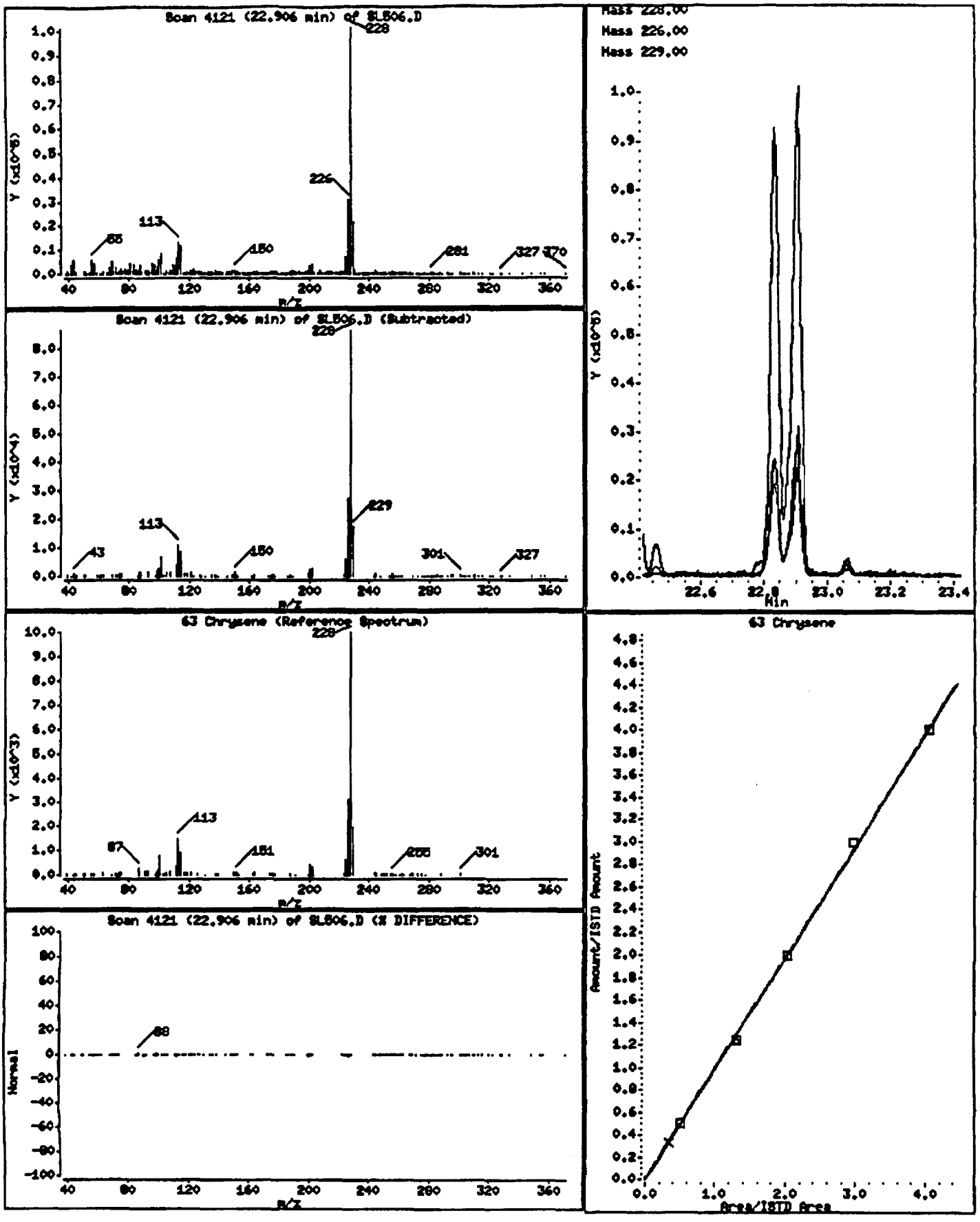
59 Pyrene


Scan 3576 (20.280 min) of SL506.D
Scan 3576 (20.280 min) of SL506.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3576 (20.280 min) of SL506.D (% DIFFERENCE)
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^5)
Y (x10^3)
Normal
m/z
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

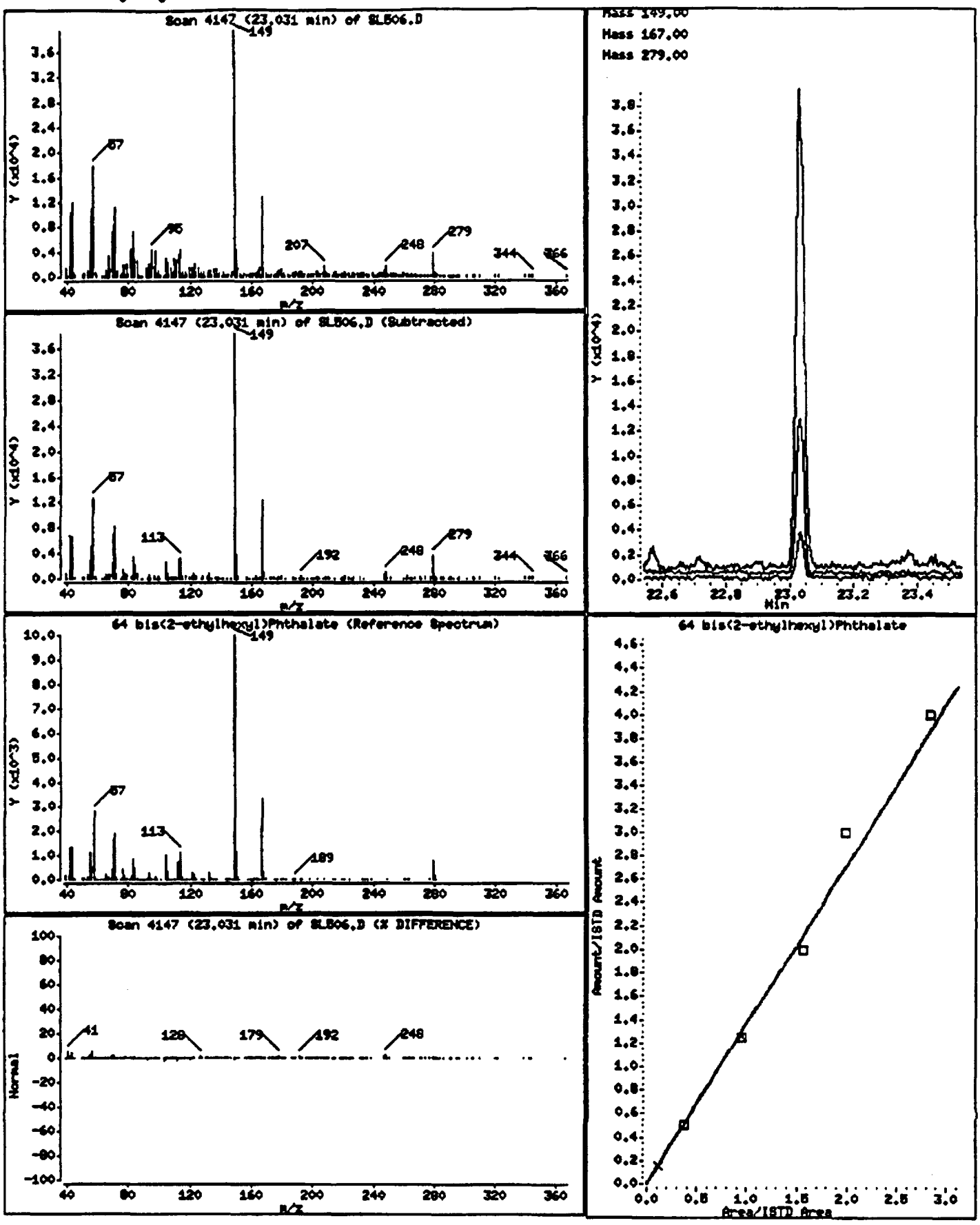
62 Benzo(a)Anthracene



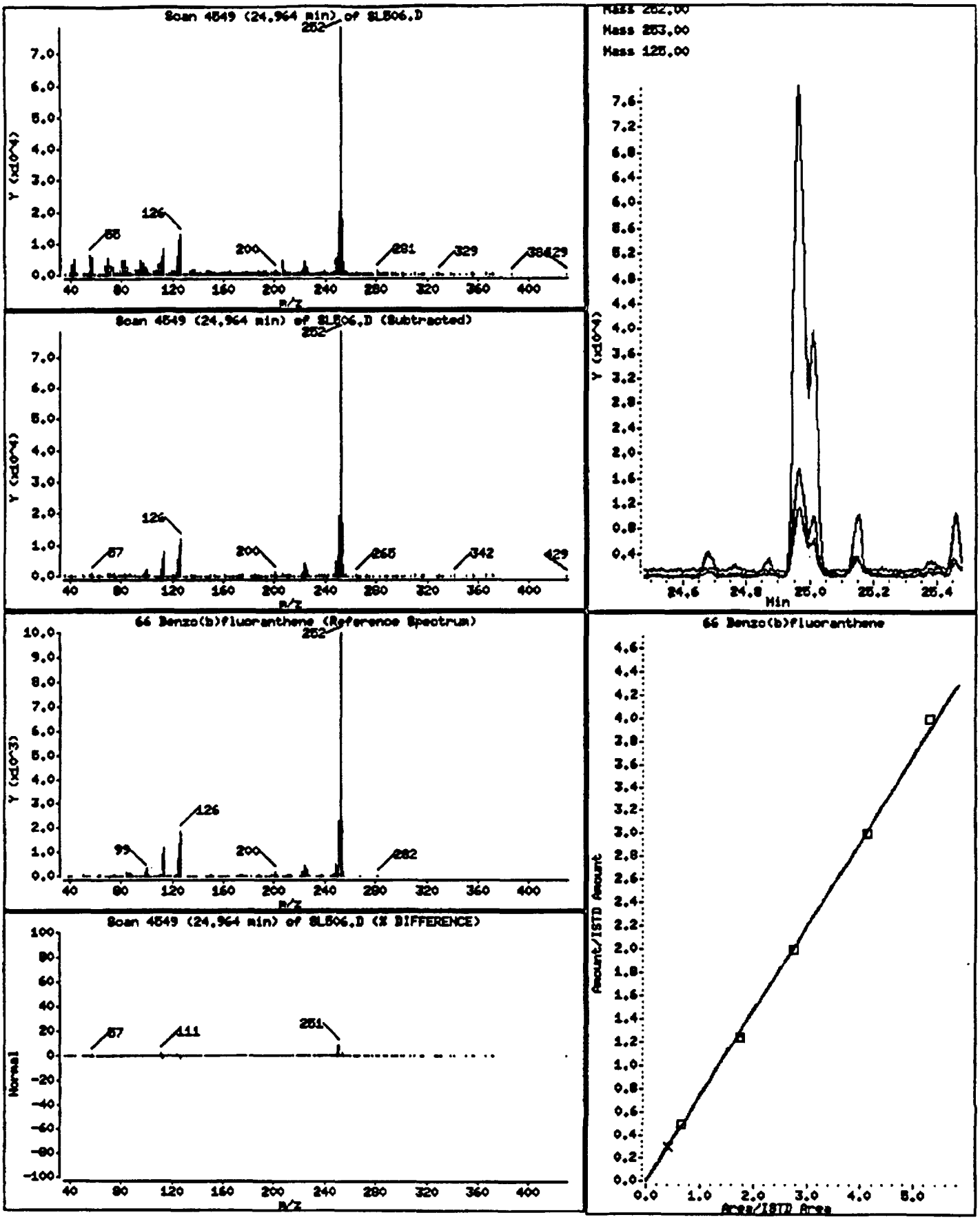
63 Chrysene


Scan 4121 (22.906 min) of SL506.D
Y (x10^5)
M/Z
Scan 4121 (22.906 min) of SL506.D (Subtracted)
Y (x10^4)
63 Chrysene (Reference Spectrum)
Y (x10^3)
Scan 4121 (22.906 min) of SL506.D (% DIFFERENCE)
Normal
Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^5)
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

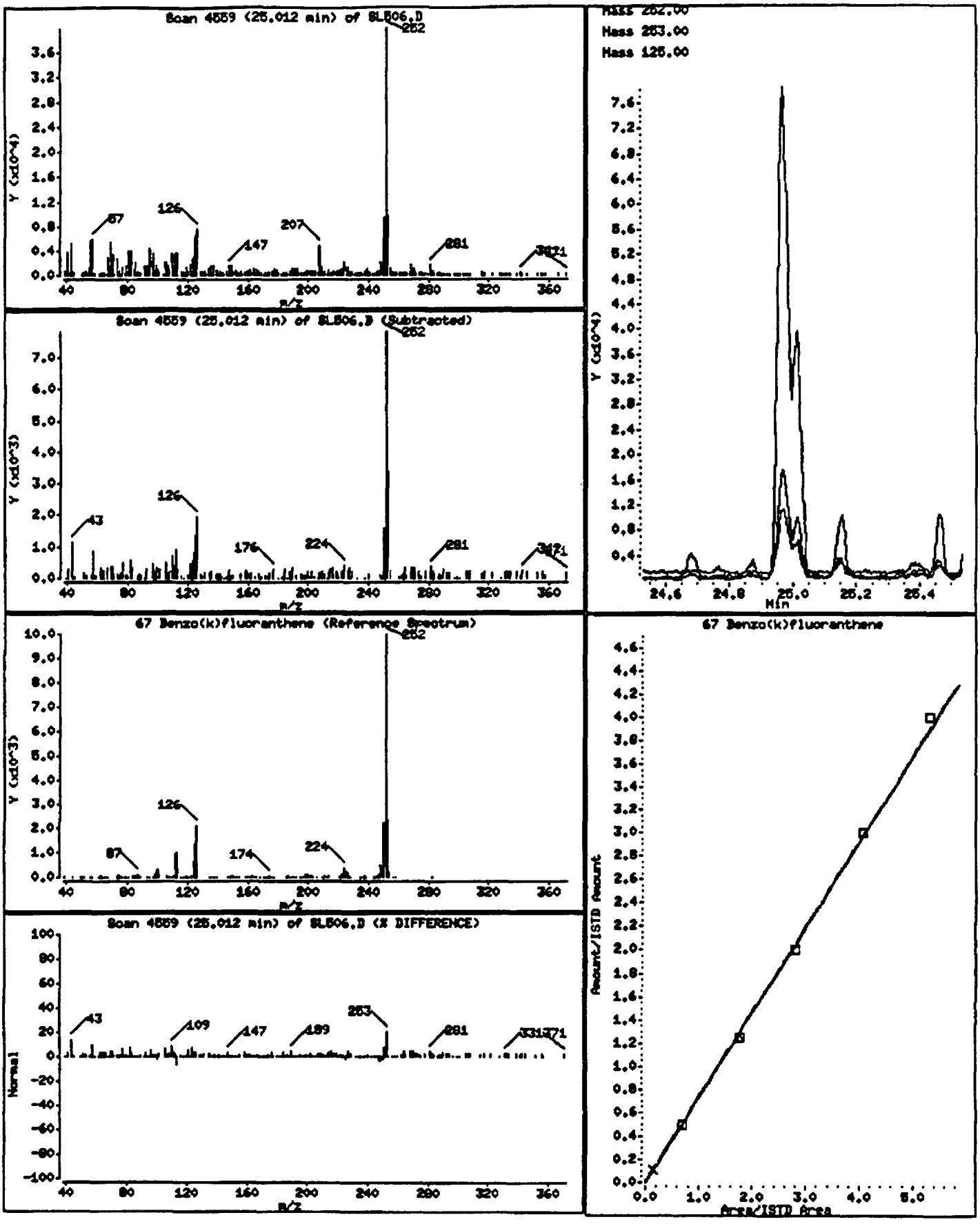
64 bis(2-ethylhexyl)Phthalate



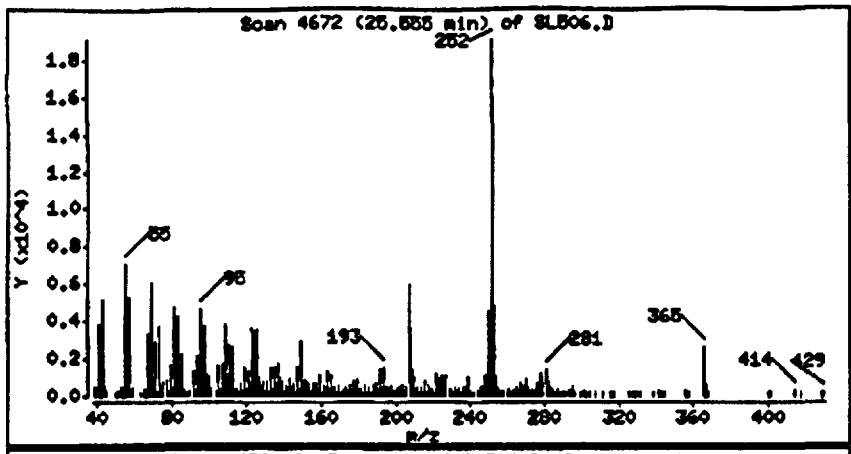
66 Benzo(b)fluoranthene

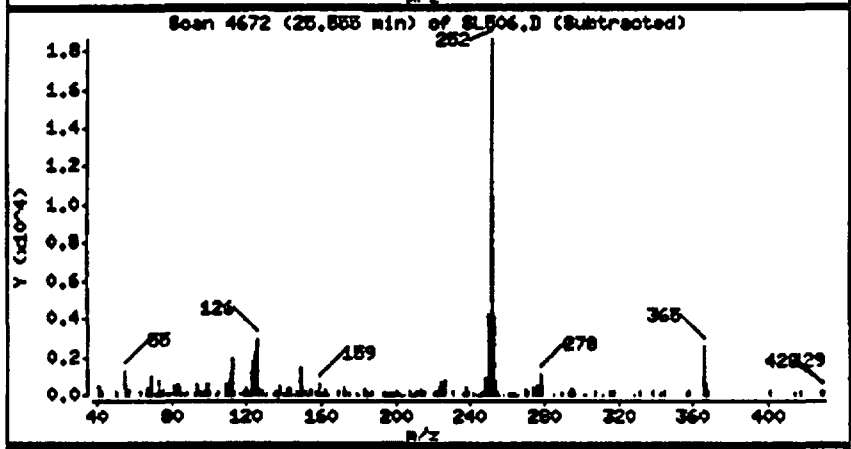


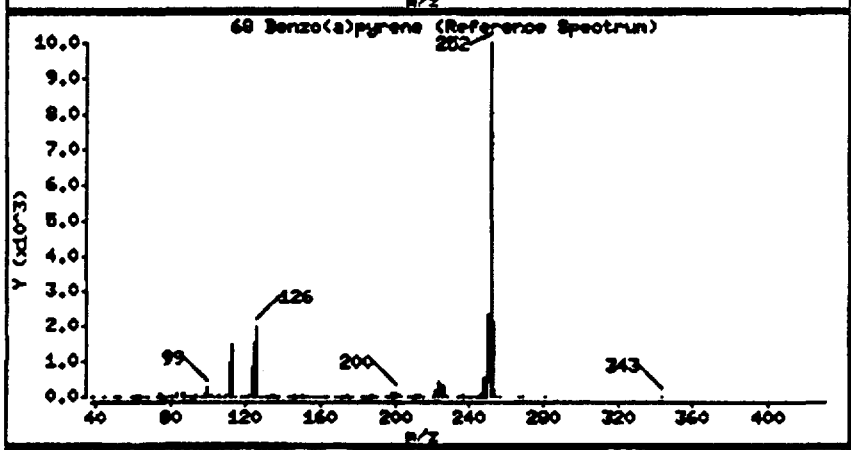
67 Benzo(k)fluoranthene

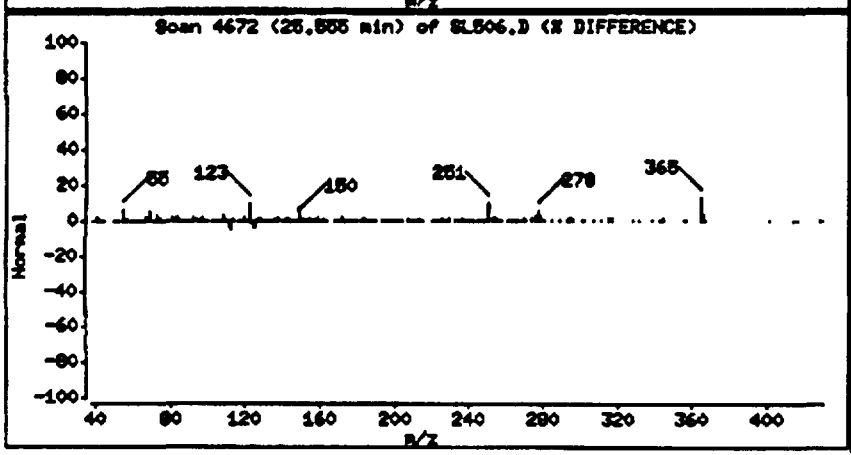


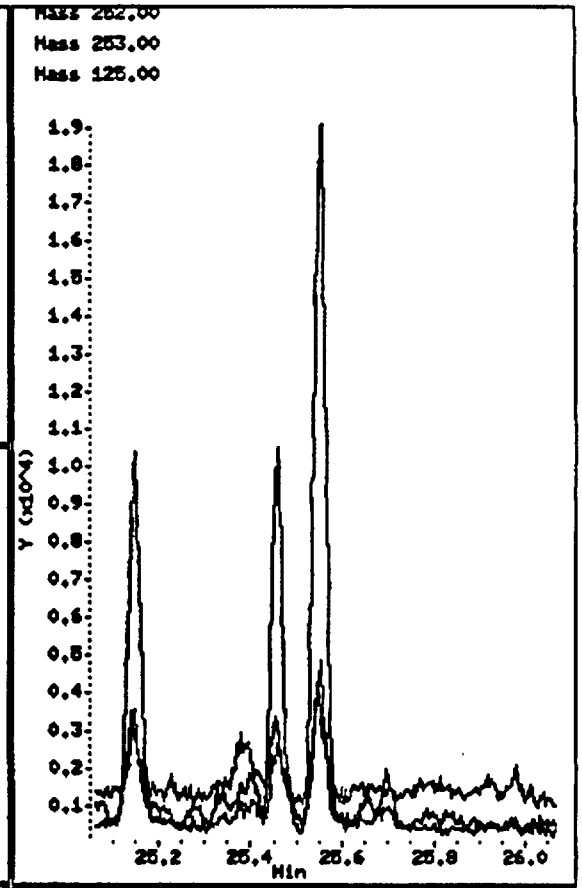
68 Benzo(a)pyrene

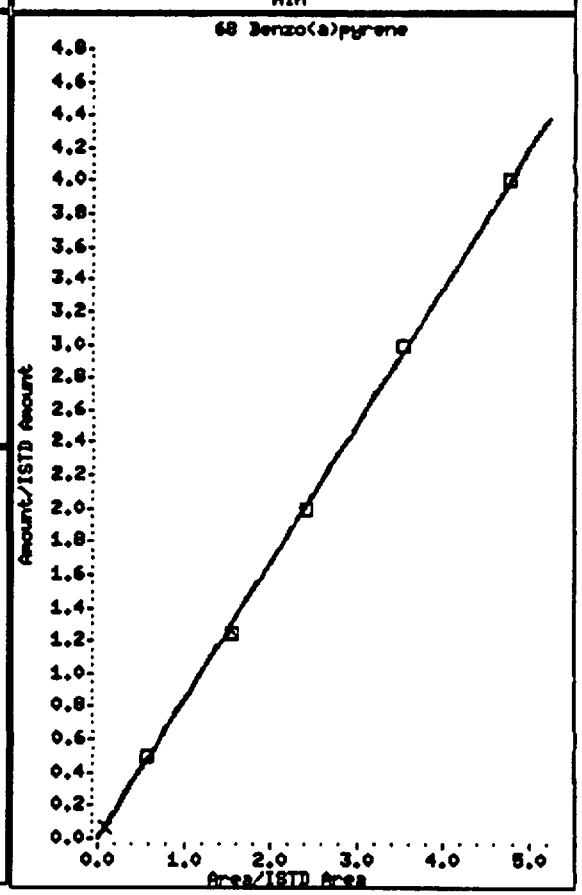




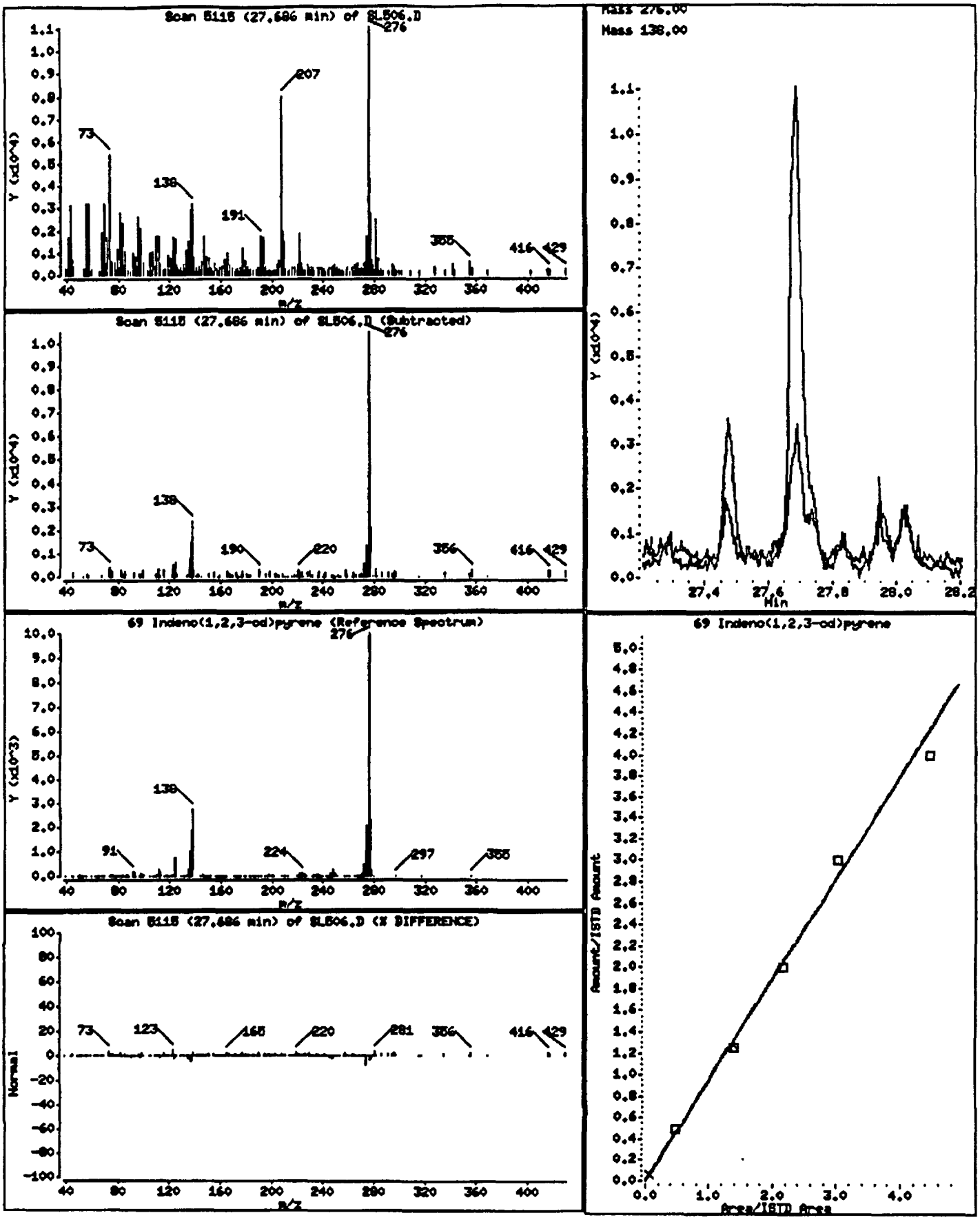








69 Indeno(1,2,3-cd)pyrene



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

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

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.378	1.138e+008	1947.41027	32000	99		0	1
Unknown					CAS #:		
10.297	2993059	37.8879139	630	0		0	2
Unknown chloro-methyl-phenol isomer					CAS #:		
11.370	354186	4.48349620	75	99		0	2
Unknown					CAS #:		
13.639	625879	6.78873326	110	0		0	3
Chlorpropham					CAS #: 101-21-3		
15.784	1098441	12.6593704	210	94	NBS75K.1	70295	4
Unknown Hydrocarbon					CAS #:		
16.174	405789	4.67666107	78	99		0	4
Unknown Hydrocarbon					CAS #:		
16.202	468600	5.40055027	90	99		0	4
Unknown					CAS #:		
16.309	1092525	12.5911940	210	0		0	4
Unknown					CAS #:		
18.535	379930	4.37863932	73	0		0	4
.gamma.-Chlordane					CAS #: 56641-38-4		
18.833	631062	7.27289910	120	95	NBS75K.1	73503	4
Aldrin-R					CAS #: 309-00-2		
18.972	5259470	60.6146432	1000	91	NBS75K.1	73856	4
Unknown					CAS #:		
19.049	559353	6.44646315	110	0		0	4
Unknown					CAS #:		
19.525	807348	9.30456574	150	0		0	4
Unknown					CAS #:		
19.645	478619	5.51602106	92	0		0	4
Chlordane					CAS #: 57-74-9		
20.040	2680616	30.8937136	510	98	NBS75K.1	74296	4

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown pesticide					CAS #:		
20.574	445036	7.70977512	130	99		0	5
Unknown					CAS #:		
20.641	1851328	32.0722754	530	0		0	5
Dieldrin					CAS #: 60-57-1		
20.742	812456	14.0749301	230	98	NBS75K.1	74064	5
Unknown					CAS #:		
20.949	577857	10.0107491	170	0		0	5
Unknown pesticide					CAS #:		
21.285	2392543	41.4482328	690	99		0	5
Unknown pesticide					CAS #:		
21.915	524498	9.08637278	150	99		0	5
Unknown					CAS #:		
22.079	397767	6.89087832	110	0		0	5
Unknown Hydrocarbon					CAS #:		
24.127	358166	6.20484754	100	99		0	5
Unknown Hydrocarbon					CAS #:		
25.382	470526	13.9171584	230	99		0	6
Unknown					CAS #:		
26.763	345228	10.2111065	170	0		0	6
Cholesterol					CAS #: 57-88-5		
27.013	666105	19.7019401	330	99	NBS75K.1	74137	6
Unknown					CAS #:		
27.109	509992	15.0844614	250	0		0	6
Unknown					CAS #:		
28.037	403612	11.9379780	200	0		0	6
Unknown					CAS #:		
28.604	462772	13.6877975	230	0		0	6

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

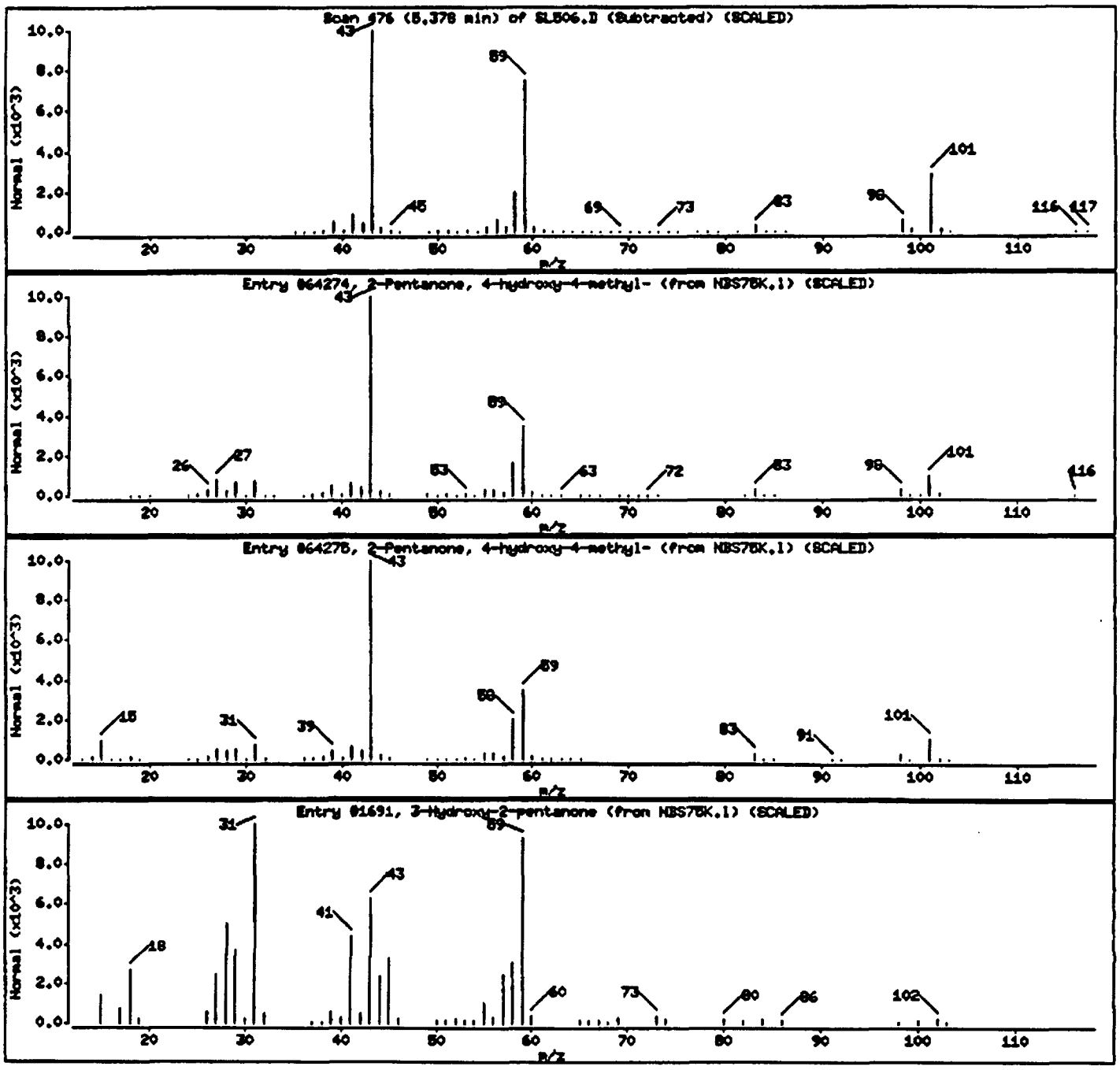
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	64	C6H12O2	116
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



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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

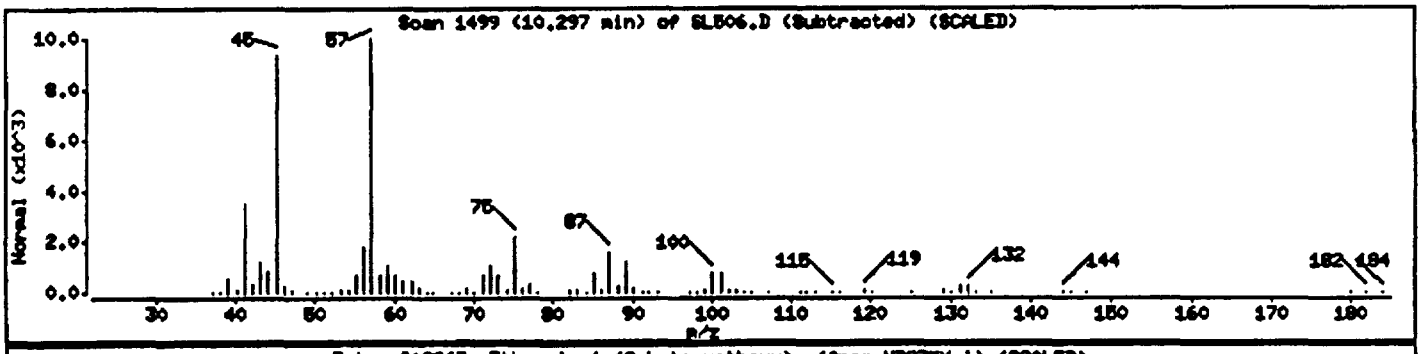
Volume Injected (uL): 2.0

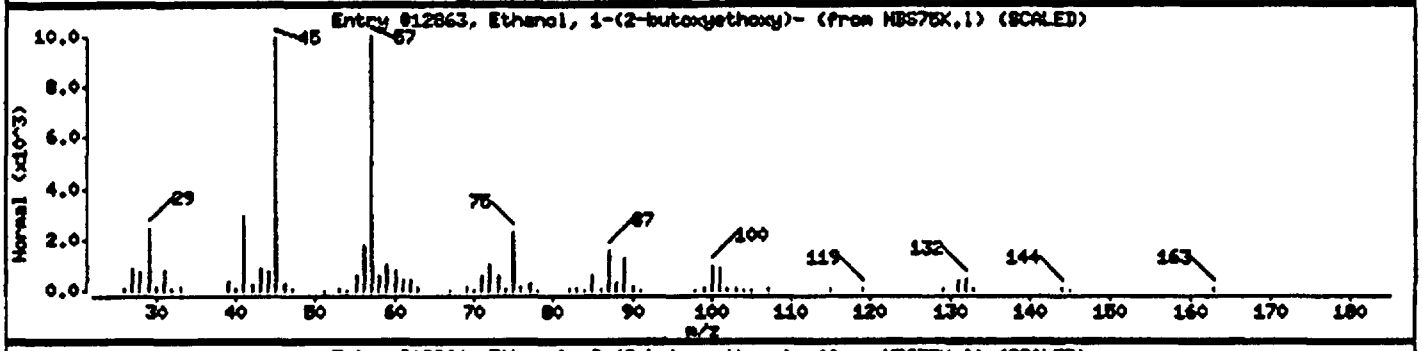
Operator: 001574

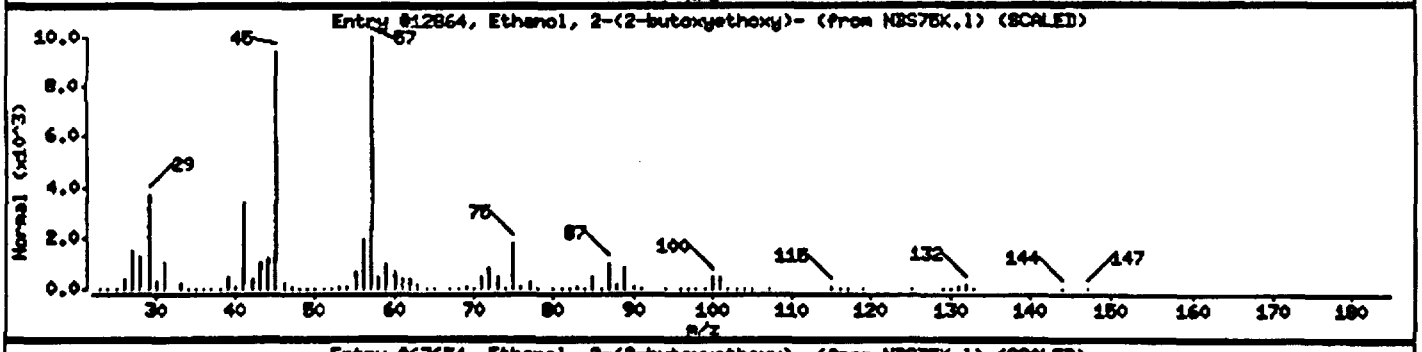
Column phase:

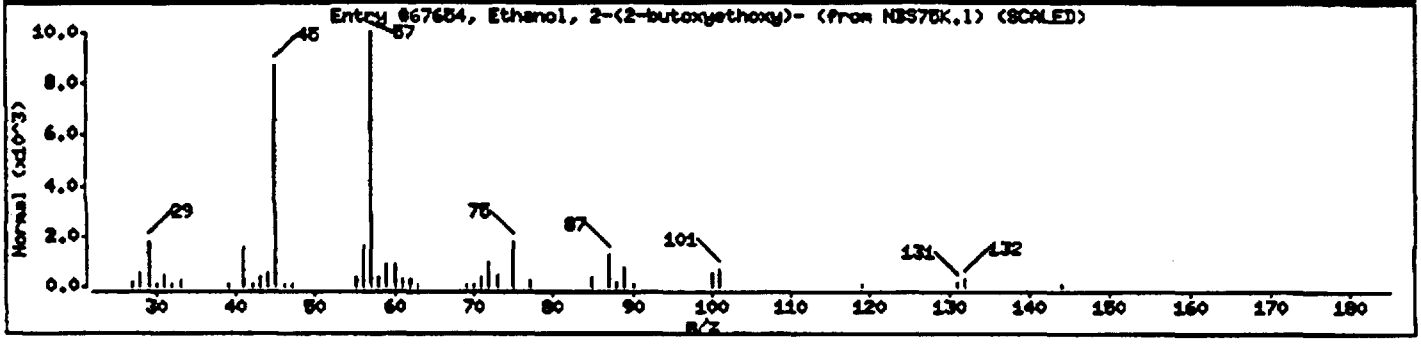
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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









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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

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

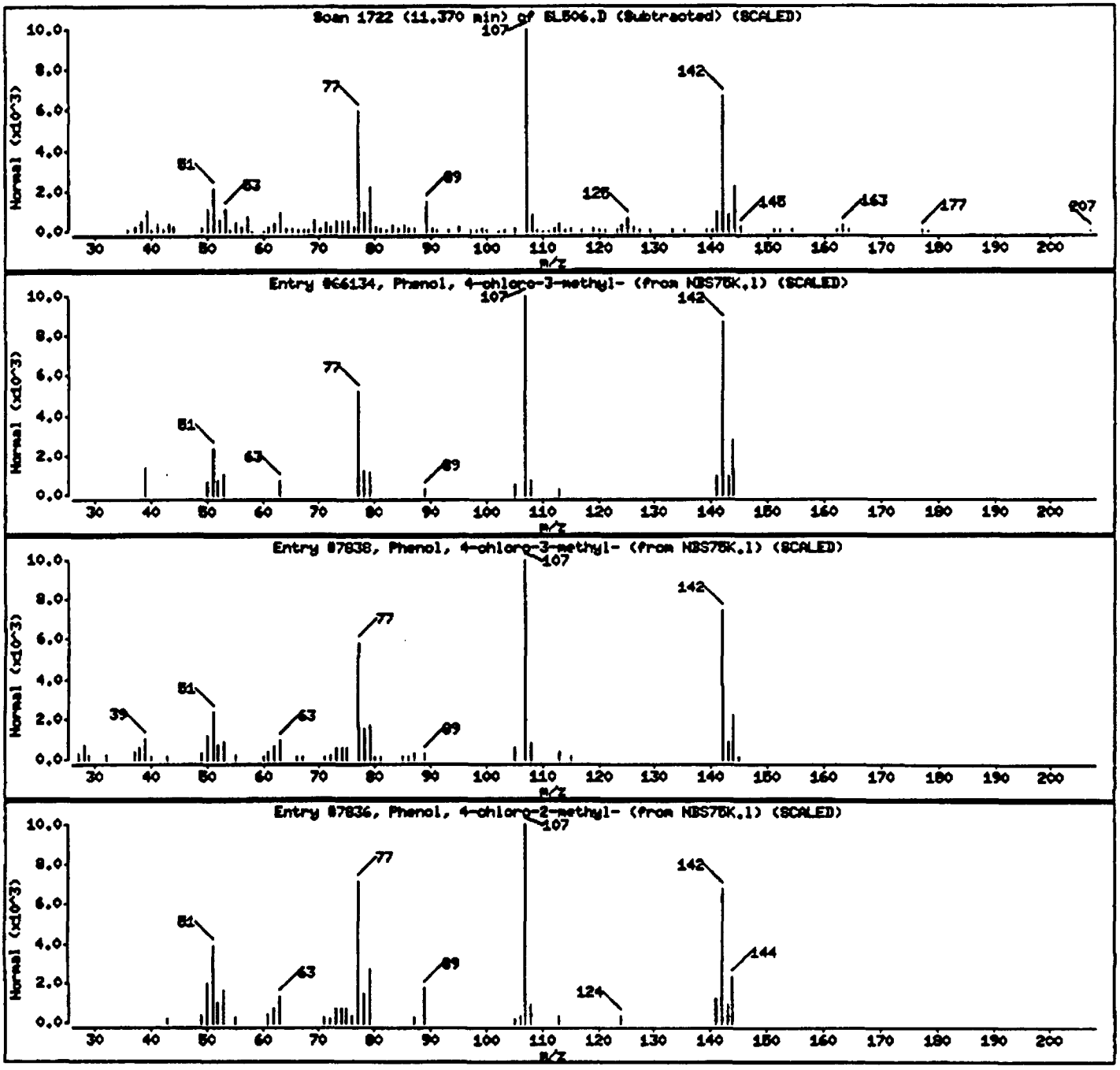
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown chloro-methyl-phenol isomer						
Phenol, 4-chloro-3-methyl-	59-50-7	NBS75K.1	66134	93	C7H7Cl0	142
Phenol, 4-chloro-3-methyl-	59-50-7	NBS75K.1	7838	91	C7H7Cl0	142
Phenol, 4-chloro-2-methyl-	1570-64-5	NBS75K.1	7836	87	C7H7Cl0	142



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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

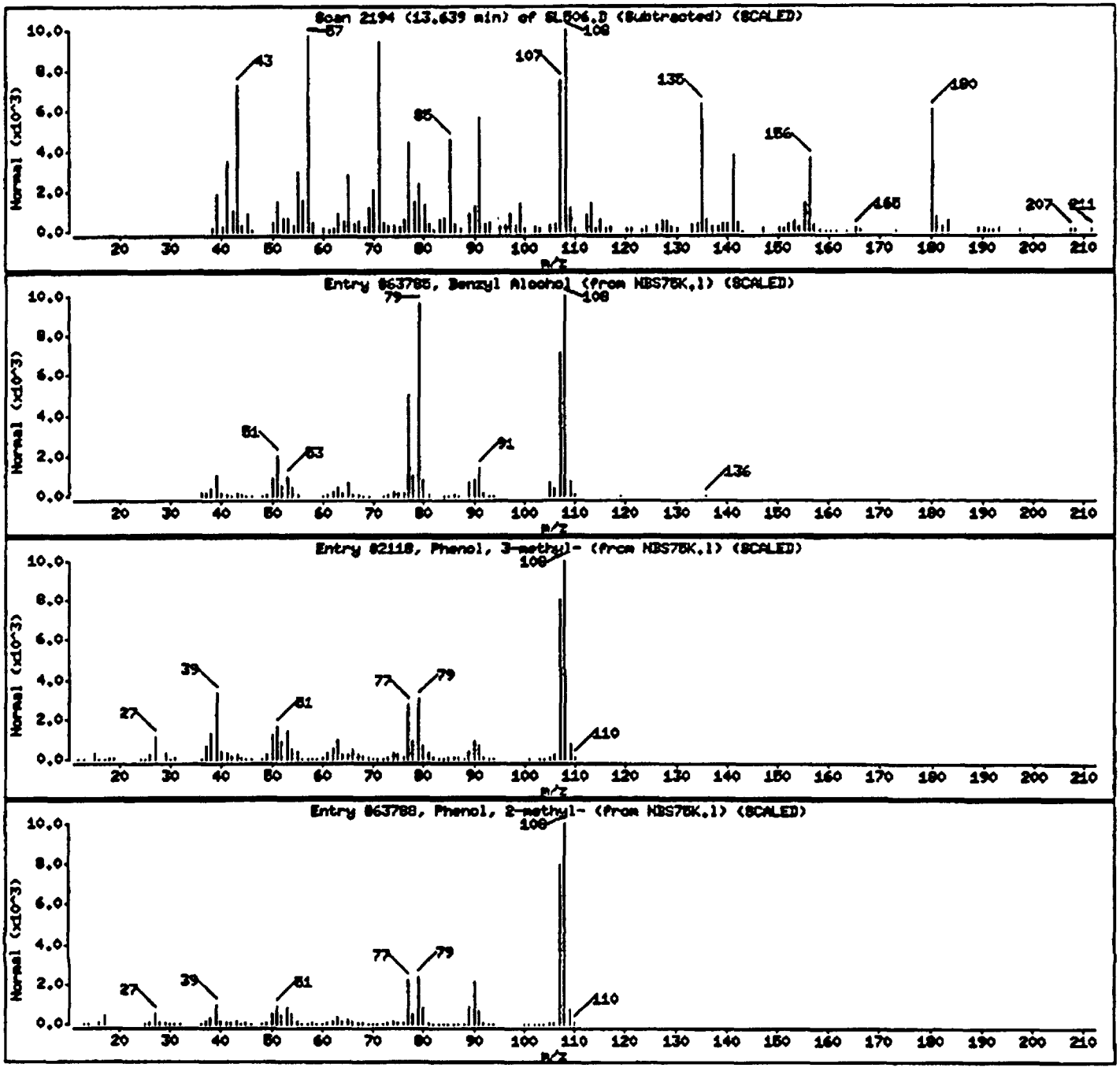
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzyl Alcohol	100-51-6	NBS75K.1	63785	46	C7H8O	108
Phenol, 3-methyl-	108-39-4	NBS75K.1	2118	38	C7H8O	108
Phenol, 2-methyl-	95-48-7	NBS75K.1	63788	35	C7H8O	108



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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

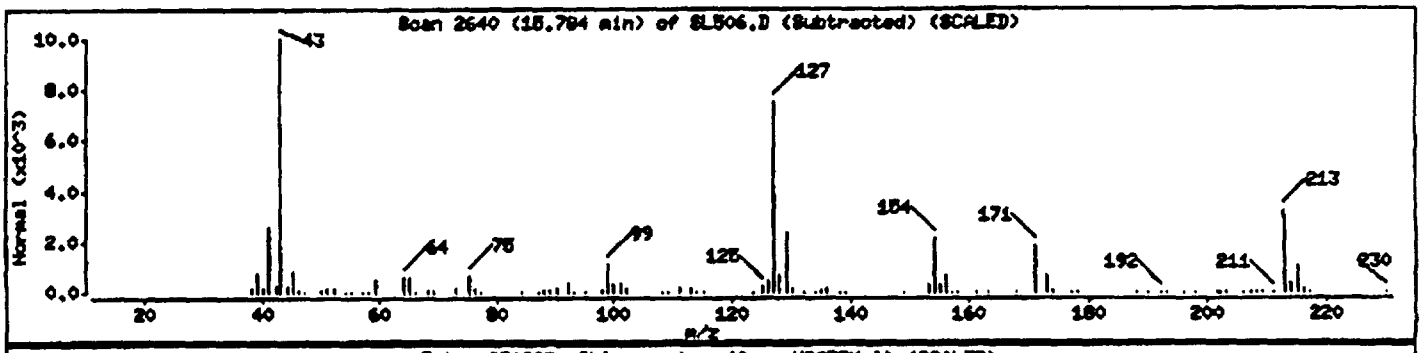
Volume Injected (uL): 2.0

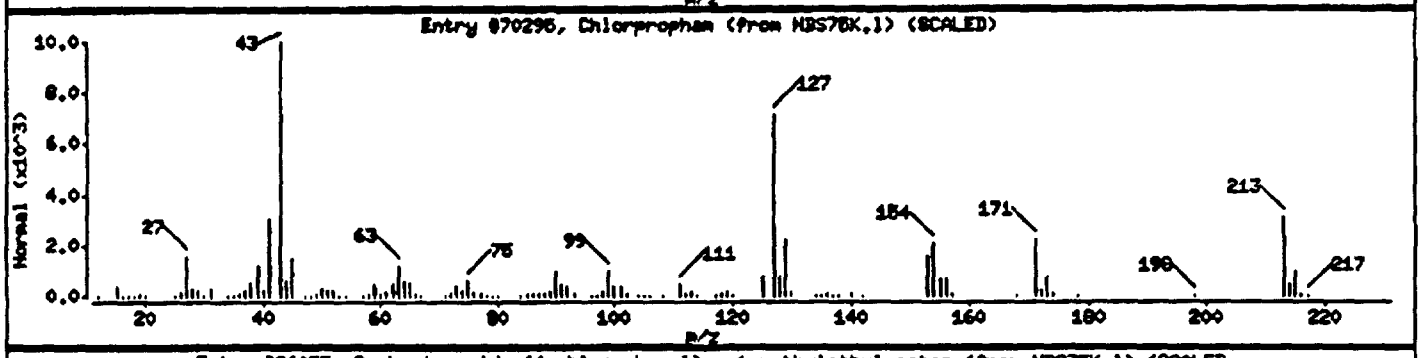
Operator: 001874

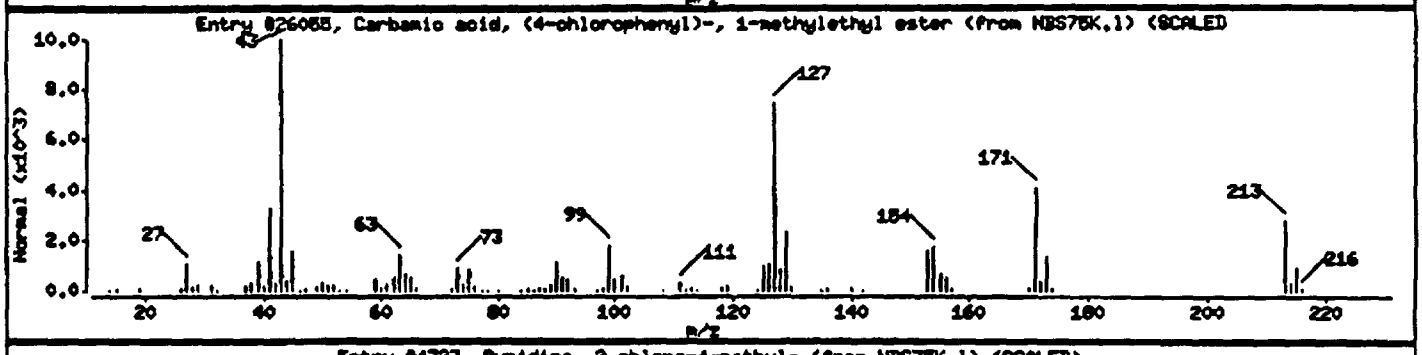
Column phase:

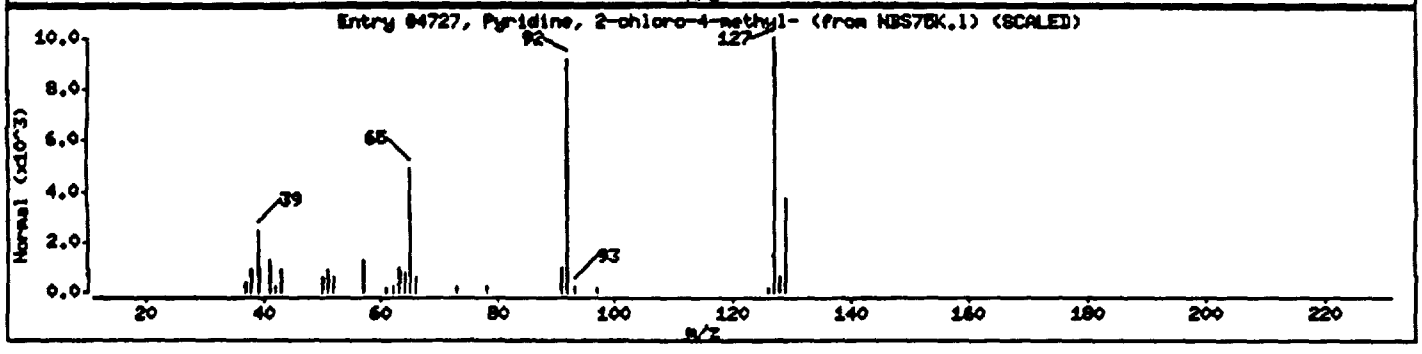
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlorpropham	101-21-3	NBS75K.l	70296	94	C10H12ClNO2	213
Carbamic acid, (4-chlorophenyl)-, 1-meth	2239-92-1	NBS75K.l	26065	86	C10H12ClNO2	213
Pyridine, 2-chloro-4-methyl-	3678-62-4	NBS75K.l	4727	46	C6H6ClN	127









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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

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

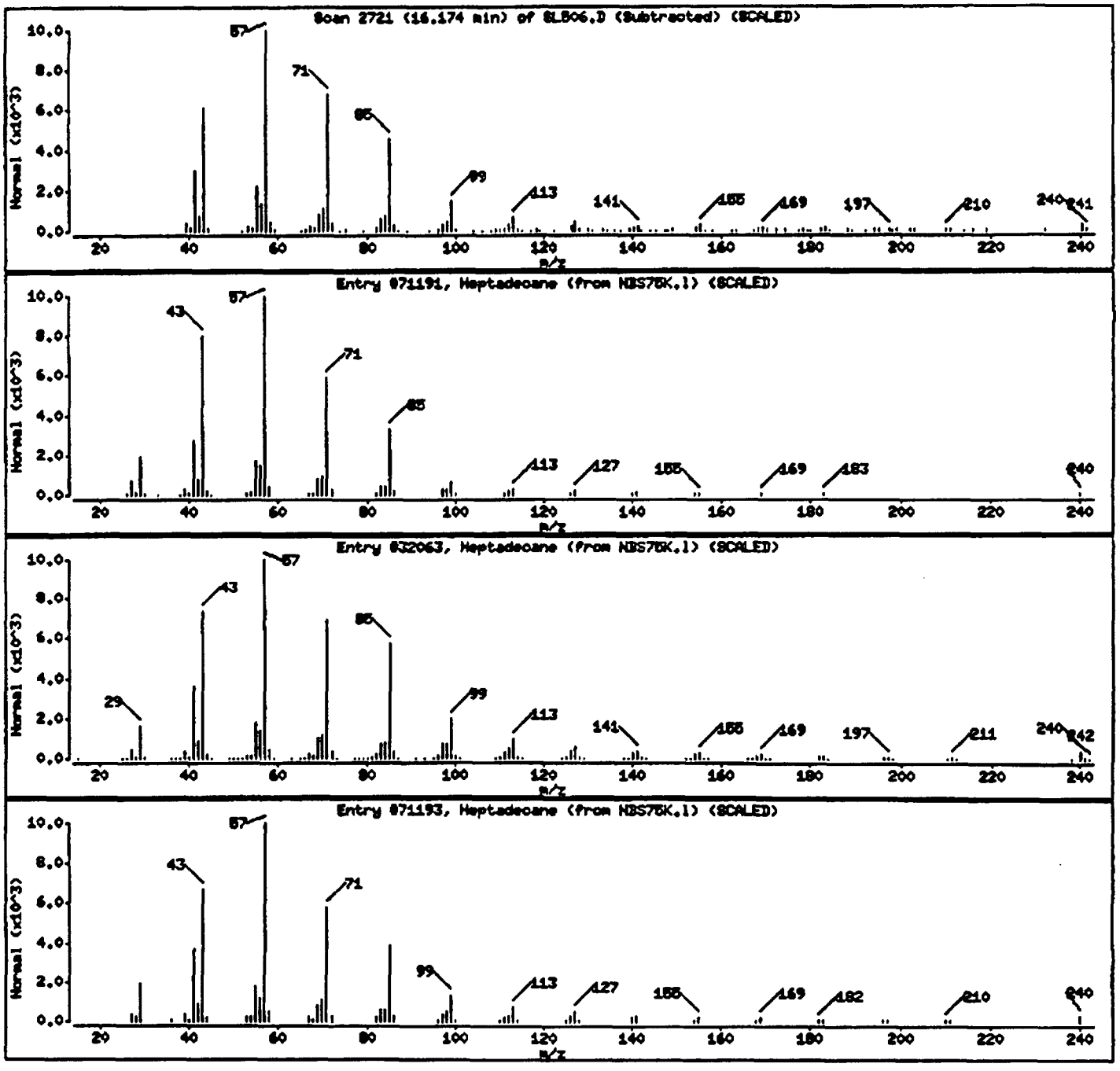
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptadecane	629-78-7	NBS75K.1	71191	96	C17H36	240
Heptadecane	629-78-7	NBS75K.1	32063	93	C17H36	240
Heptadecane	629-78-7	NBS75K.1	71193	92	C17H36	240



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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

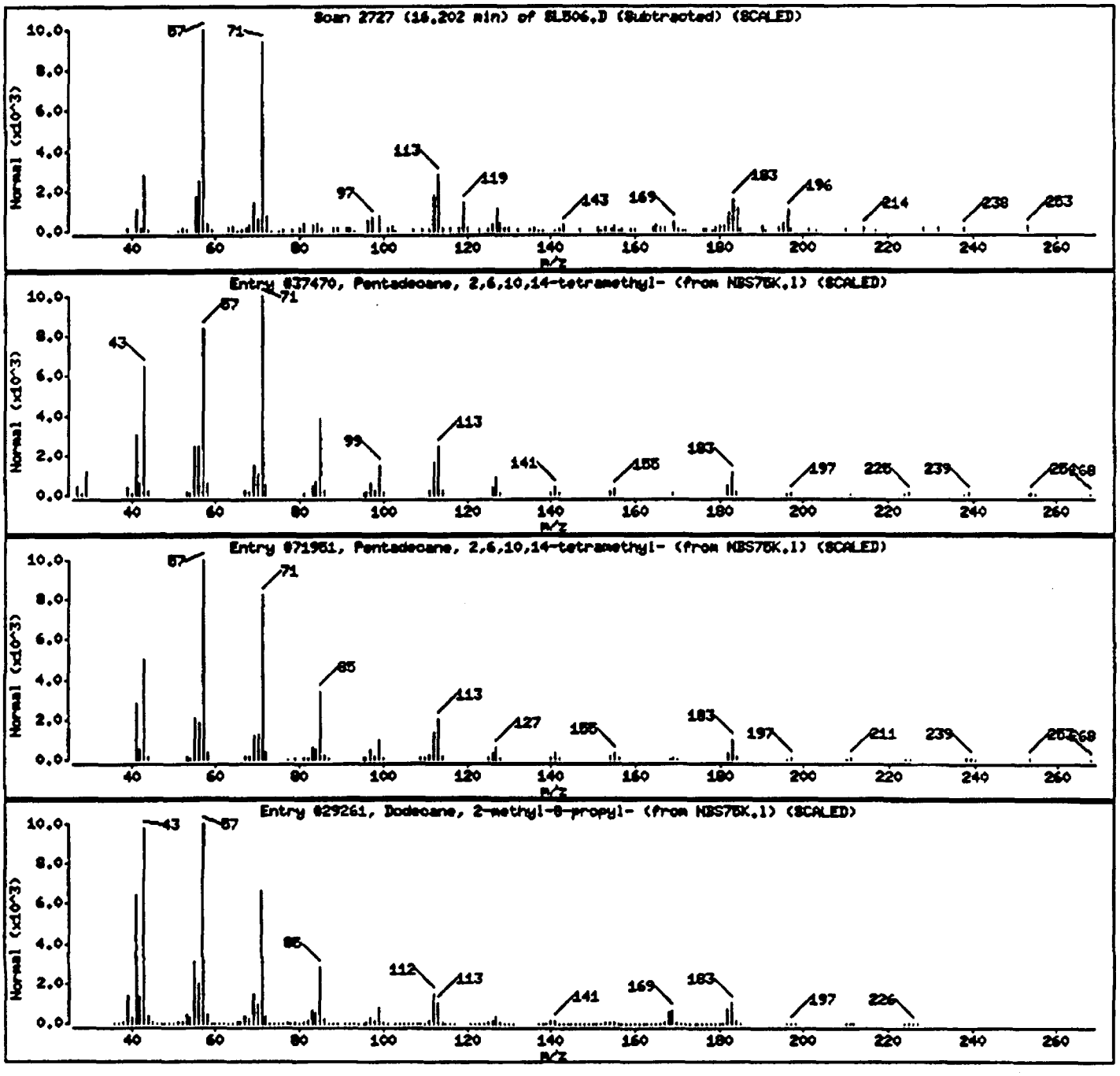
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.1	37470	56	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.1	71951	50	C19H40	268
Dodecane, 2-methyl-6-propyl-	55045-07-3	NBS75K.1	29261	50	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,i-olp90.sub

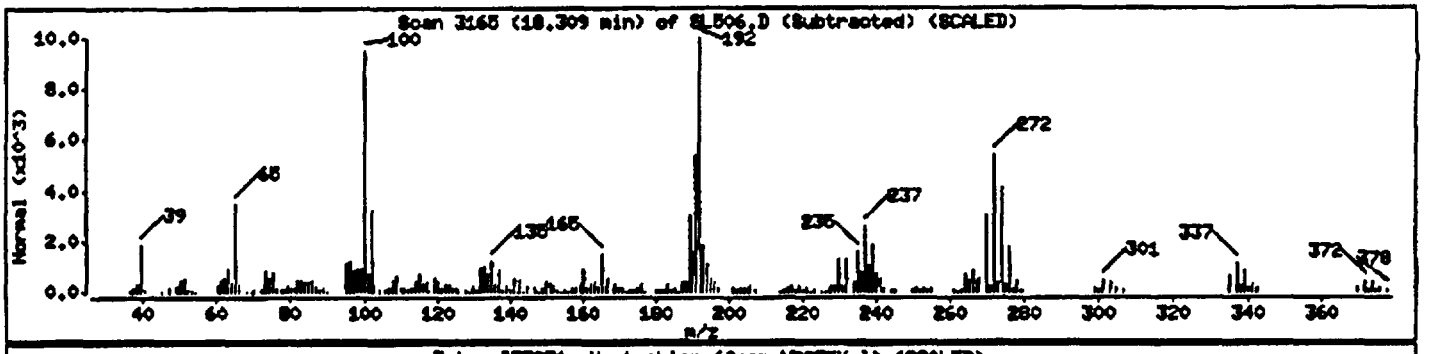
Volume Injected (uL): 2.0

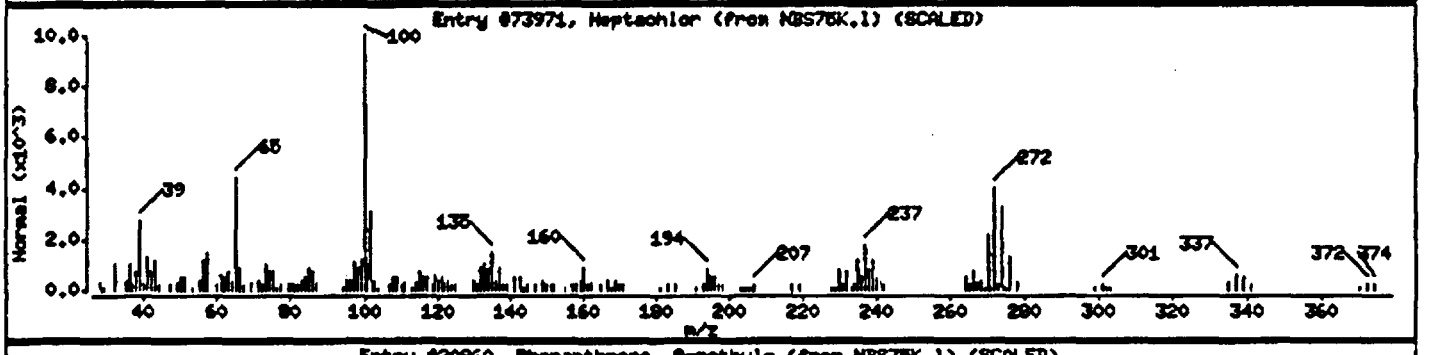
Operator: 001574

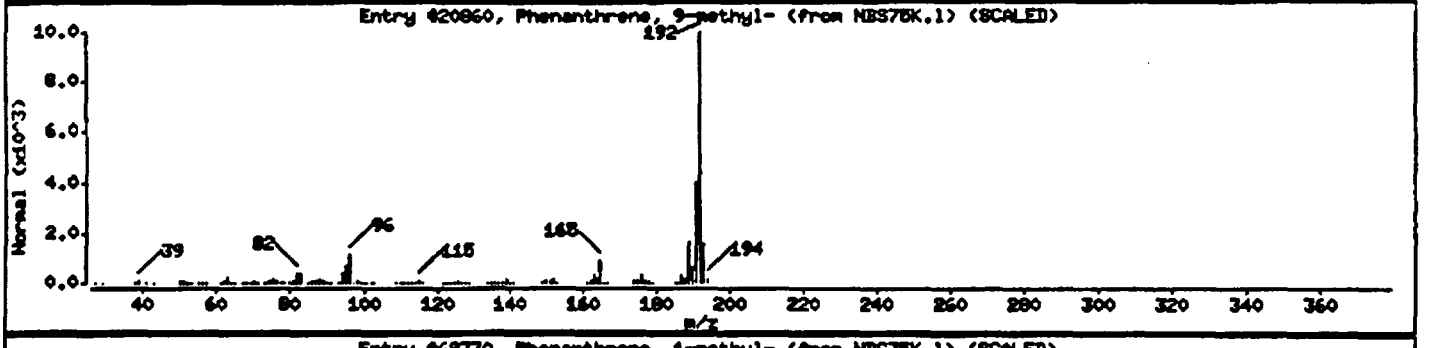
Column phase:

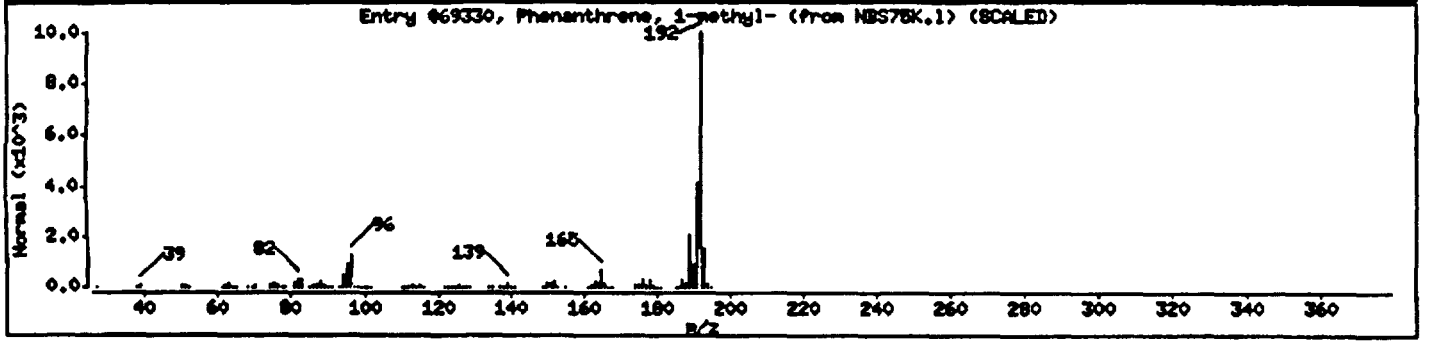
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptachlor	76-44-8	NBS75K.l	73971	94	C10H5Cl7	370
Phenanthrene, 9-methyl-	883-20-5	NBS75K.l	20860	74	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NBS75K.l	69330	70	C15H12	192









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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

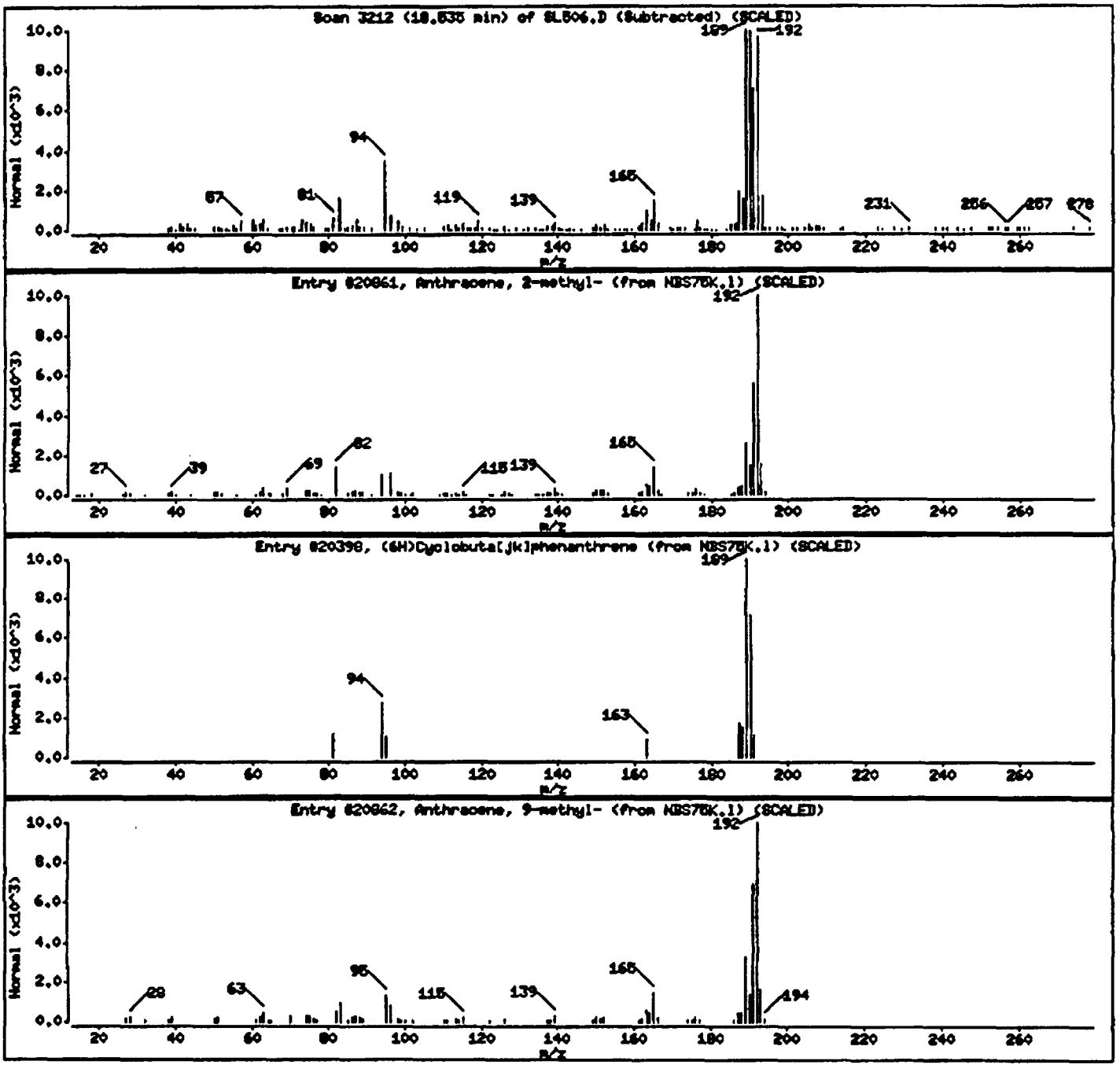
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Anthracene, 2-methyl-	613-12-7	NBS75K.l	20861	50	C15H12	192
(6H)Cyclobuta[jk]phenanthrene	0-00-0	NBS75K.l	20398	49	C15H10	190
Anthracene, 9-methyl-	779-02-2	NBS75K.l	20862	46	C15H12	192



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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

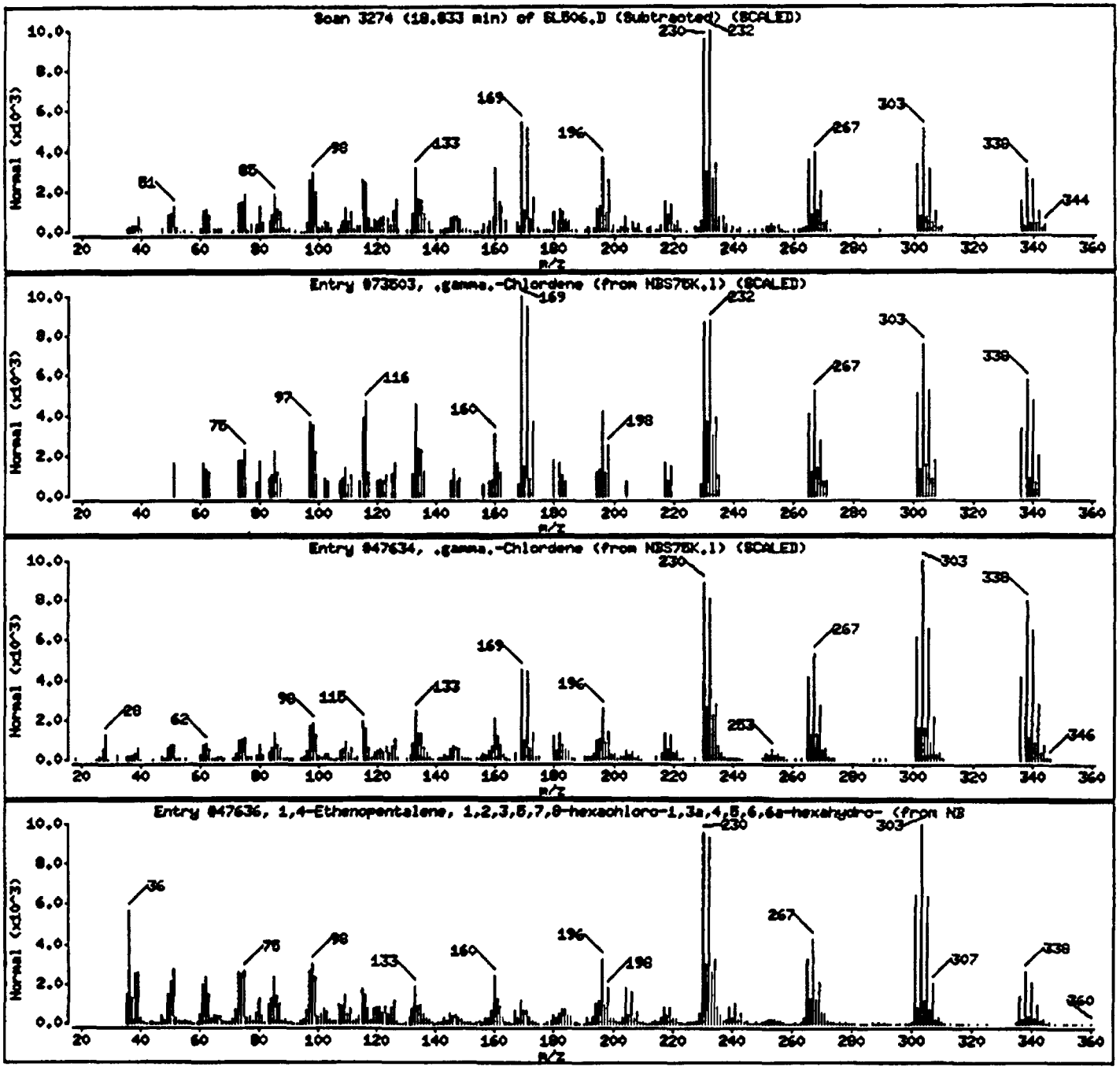
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
.gamma.-Chlordane	56641-38-4	NBS75K.l	73503	96	C10H6Cl6	336
.gamma.-Chlordane	56641-38-4	NBS75K.l	47634	90	C10H6Cl6	336
1,4-Ethenopentalene, 1,2,3,5,7,8-hexachl	69743-74-4	NBS75K.l	47636	87	C10H6Cl6	336



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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

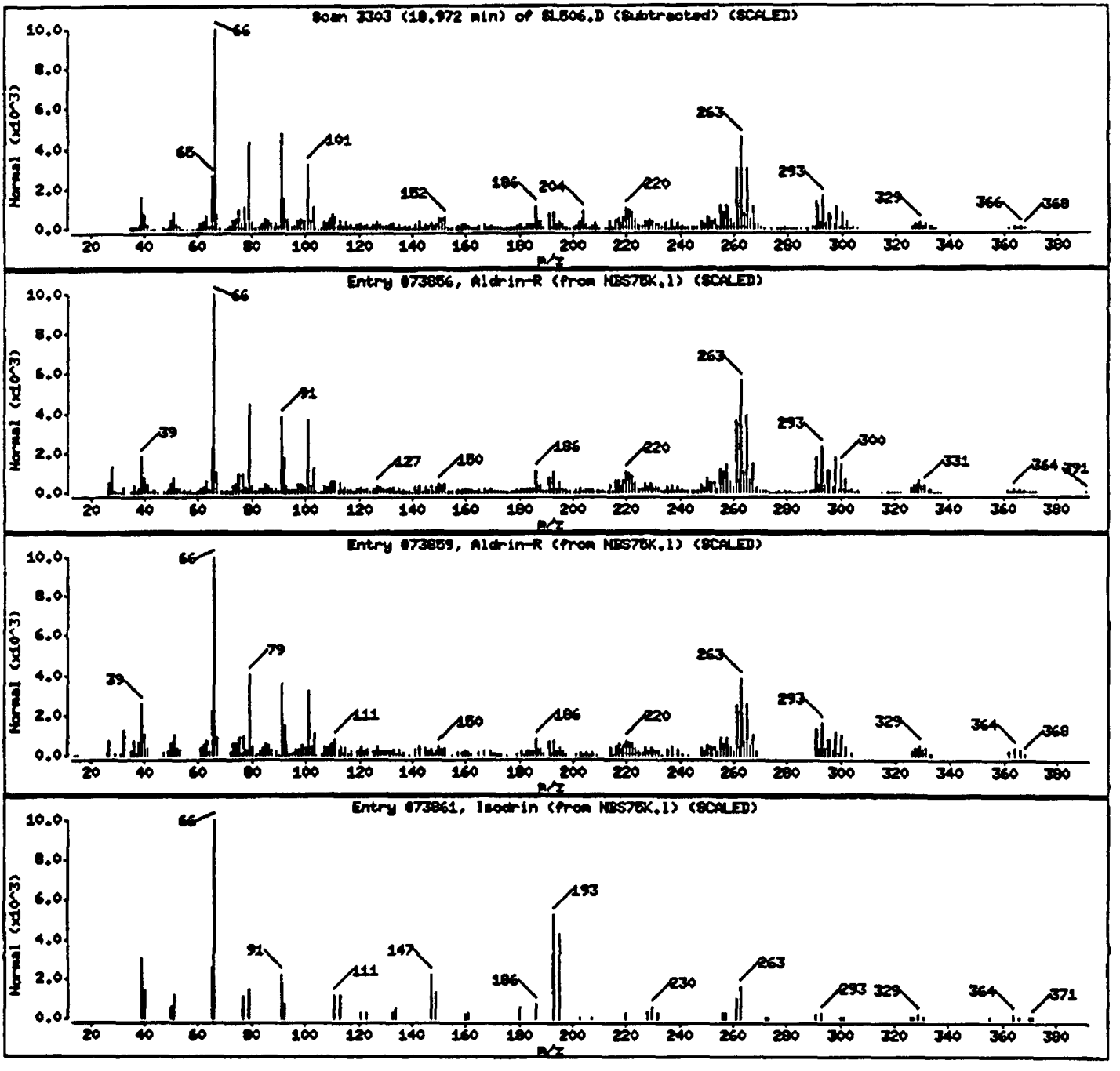
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Aldrin-R	309-00-2	NBS75K.1	73856	91	C12H8Cl6	362
Aldrin-R	309-00-2	NBS75K.1	73859	83	C12H8Cl6	362
Isodrin	465-73-6	NBS75K.1	73861	56	C12H8Cl6	362



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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

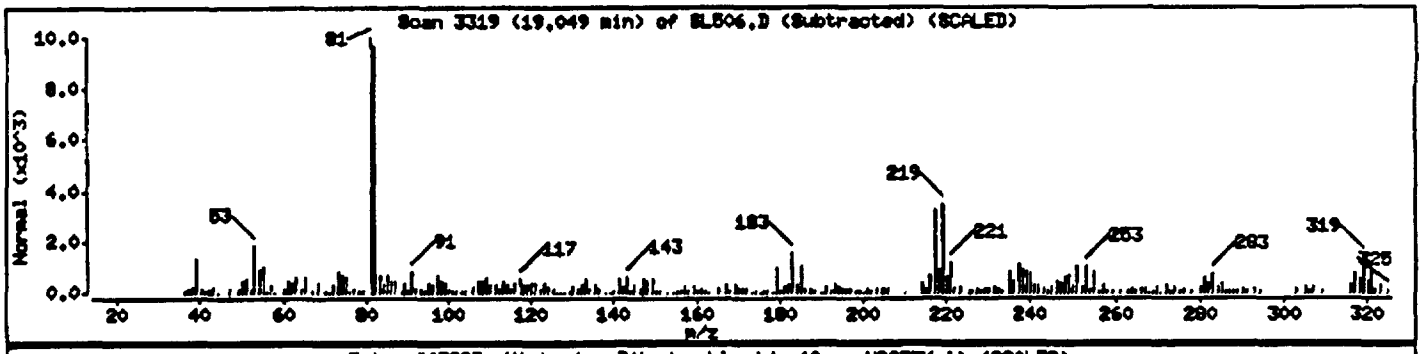
Volume Injected (uL): 2.0

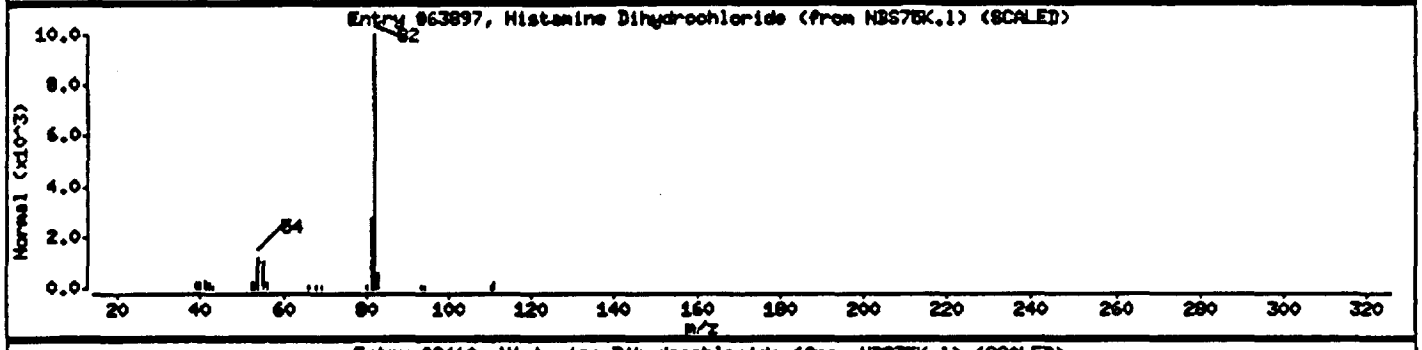
Operator: 001574

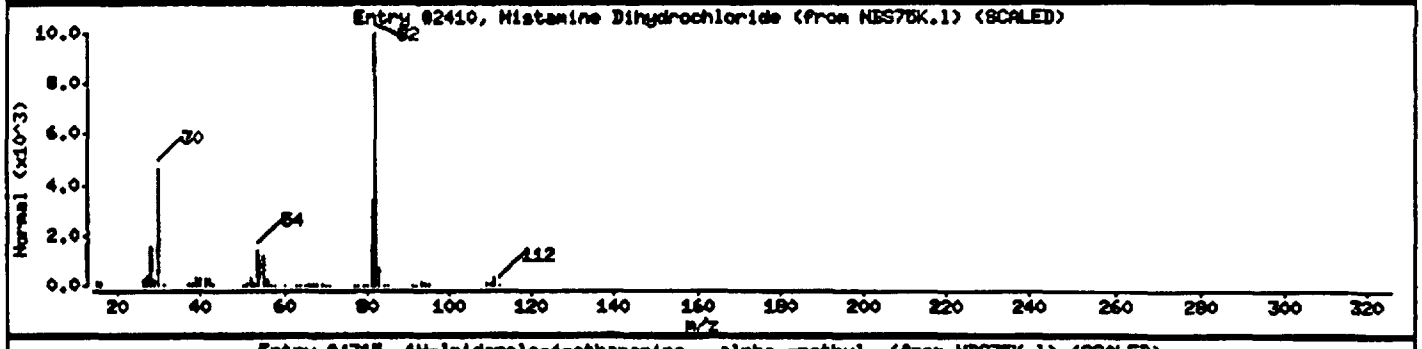
Column phase:

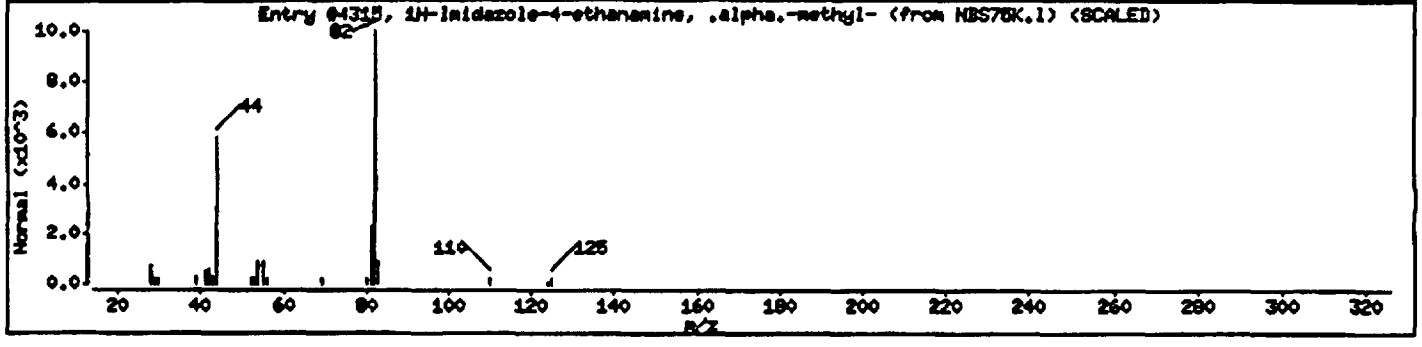
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Histamine Dihydrochloride	81-45-6	NBS75K.l	63897	22	C5H9N3	111
Histamine Dihydrochloride	81-45-6	NBS75K.l	2410	22	C5H9N3	111
1H-Imidazole-4-ethanamine, .alpha.-methy	6986-90-9	NBS75K.l	4315	22	C6H11N3	125









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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

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

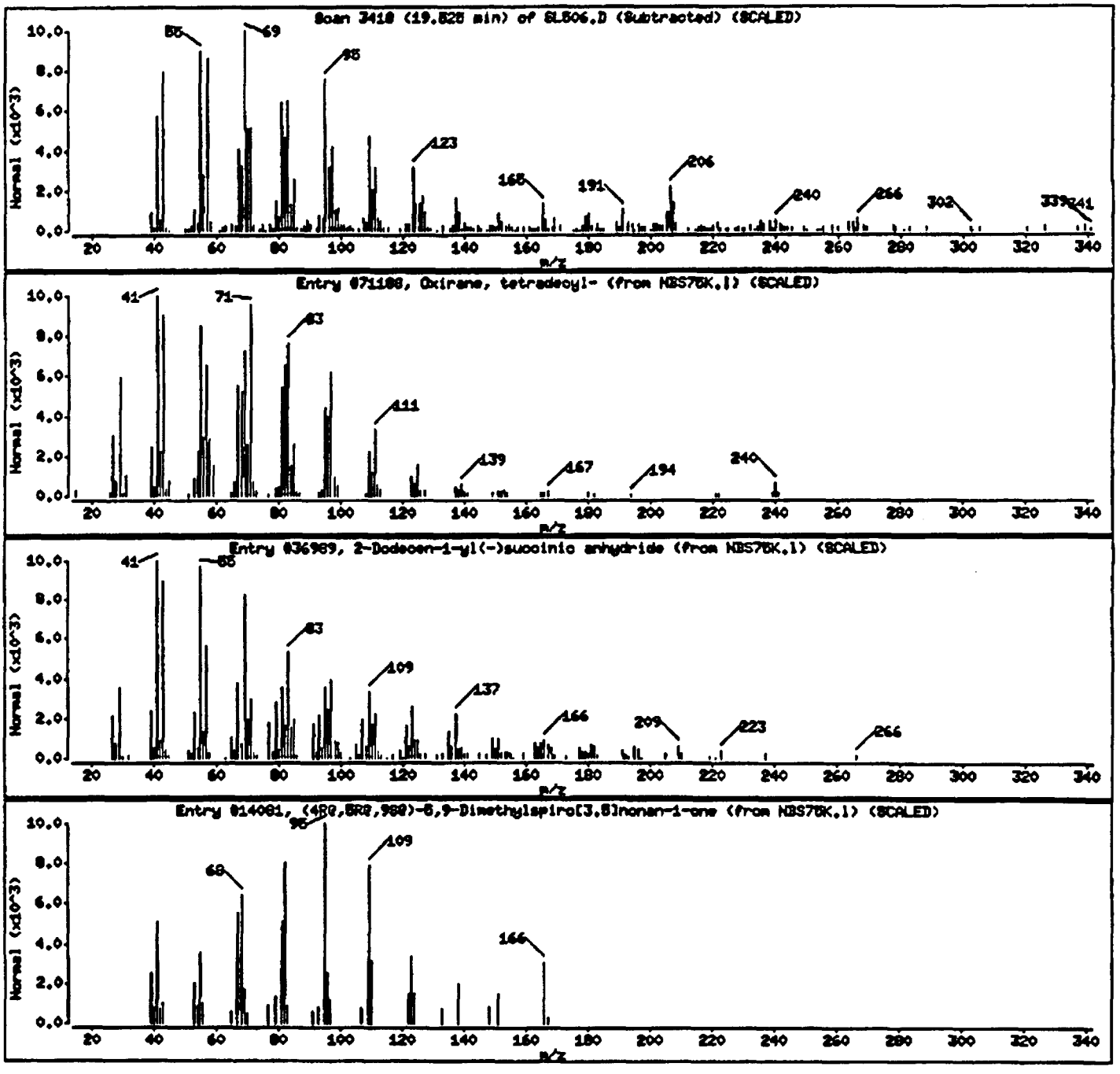
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Oxirane, tetradecyl-	7320-37-8	NBS75K.l	71188	91	C16H320	240
2-Dodecen-1-yl(-)succinic anhydride	19780-11-1	NBS75K.l	36989	88	C16H2603	266
(4R?,5R?,9S?)-5,9-Dimethylspiro[3.5]nona	0-00-0	NBS75K.l	14081	46	C11H180	166



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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

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

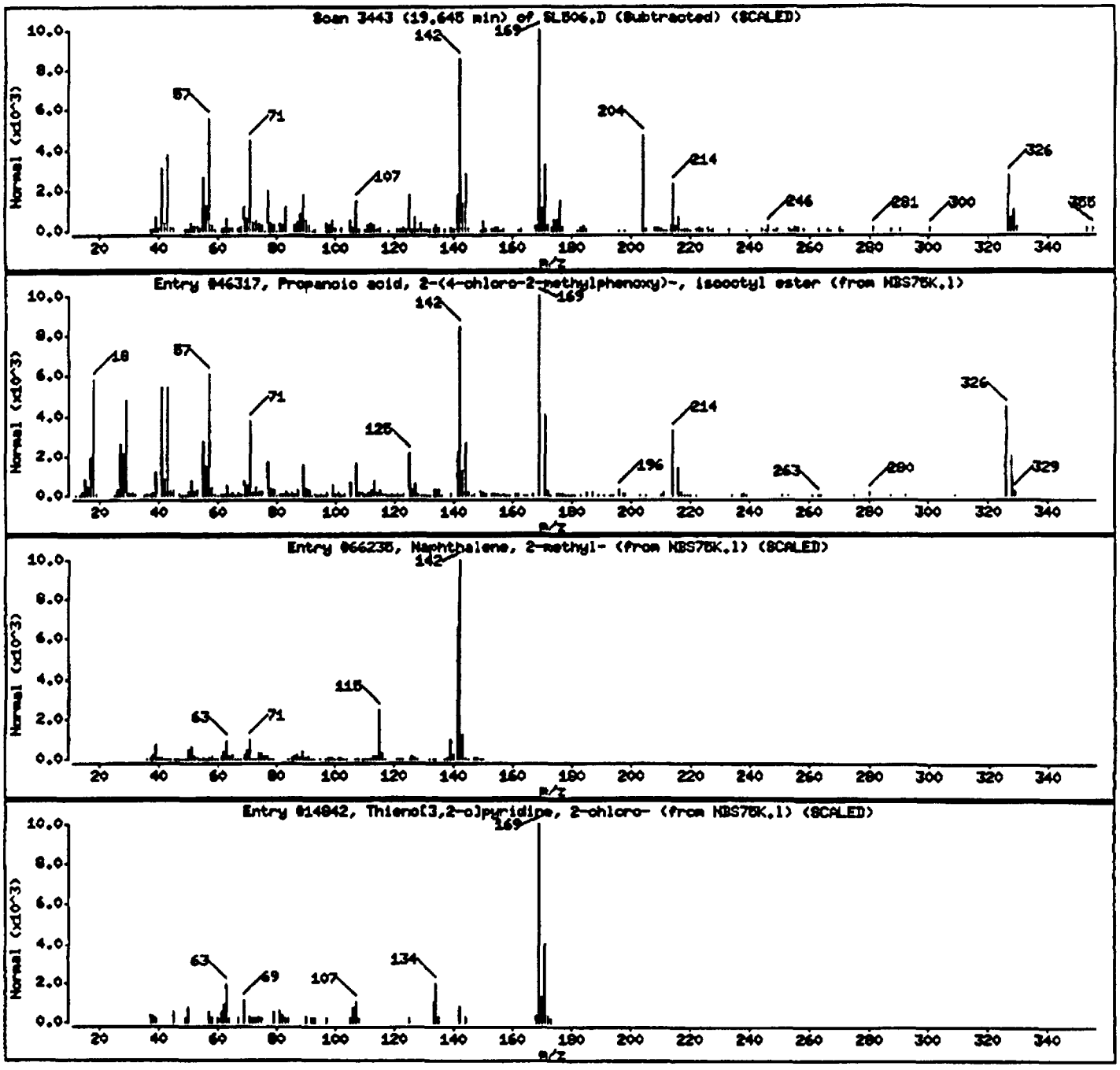
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-(4-chloro-2-methylphen	29473-03-2	NBS75K.l	46317	86	C18H27ClO3	326
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66235	22	C11H10	142
Thieno[3,2-c]pyridine, 2-chloro-	25783-23-5	NBS75K.l	14842	18	C7H4ClNS	169



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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

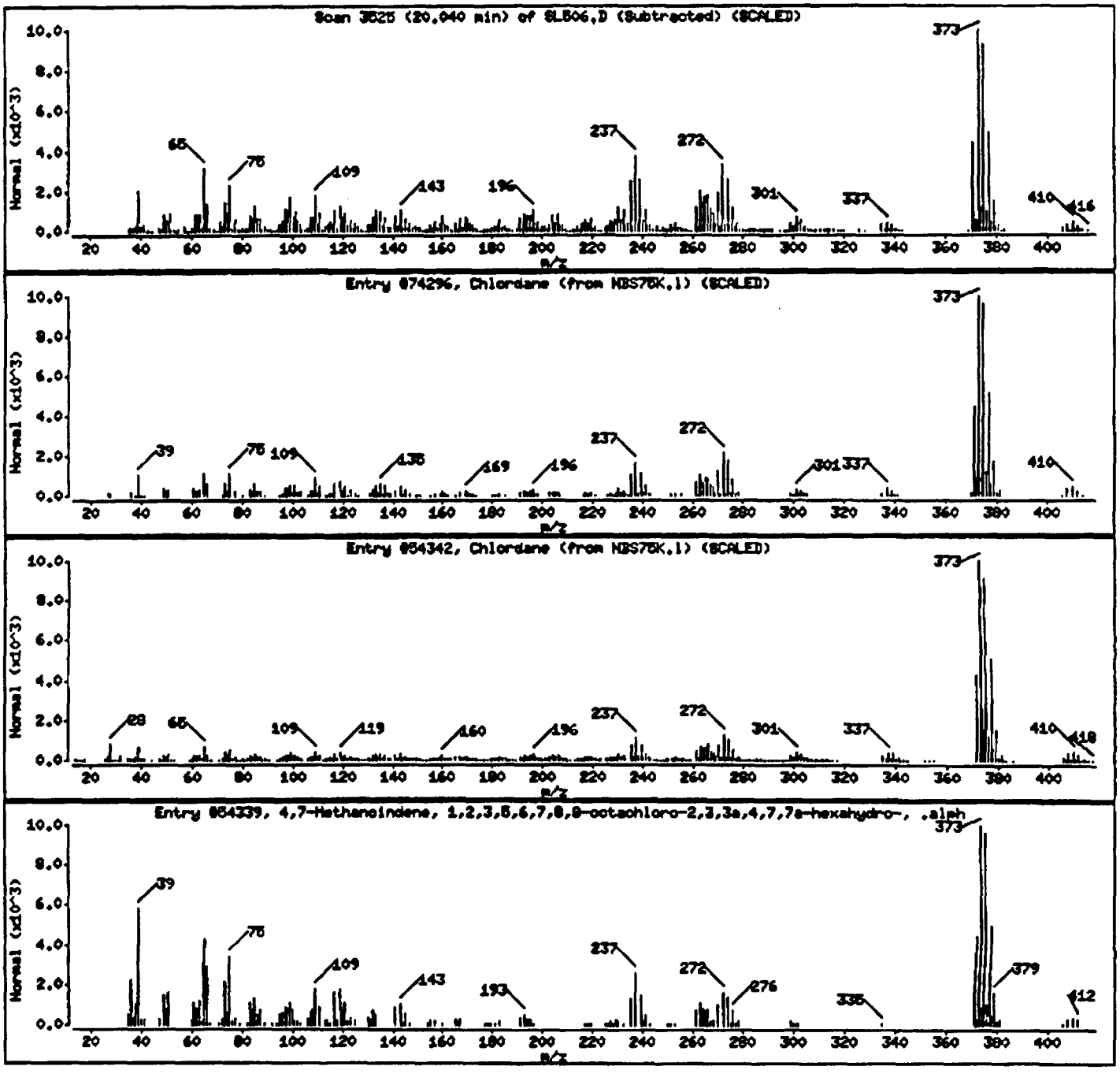
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlordane	57-74-9	NBS75K.l	74296	96	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.l	54342	96	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: \\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

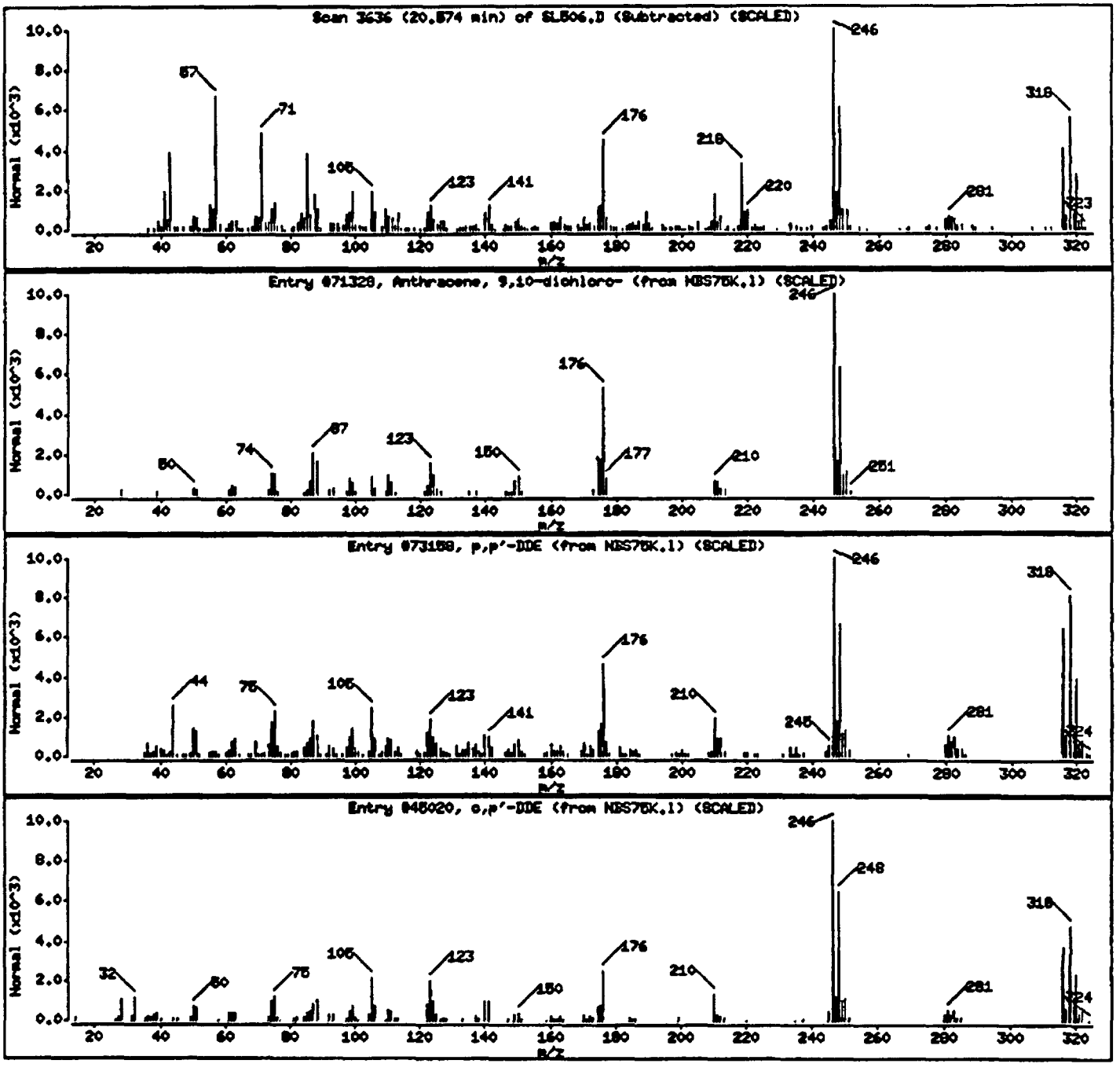
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
Anthracene, 9,10-dichloro-	605-48-1	NBS75K.l	71328	95	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



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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

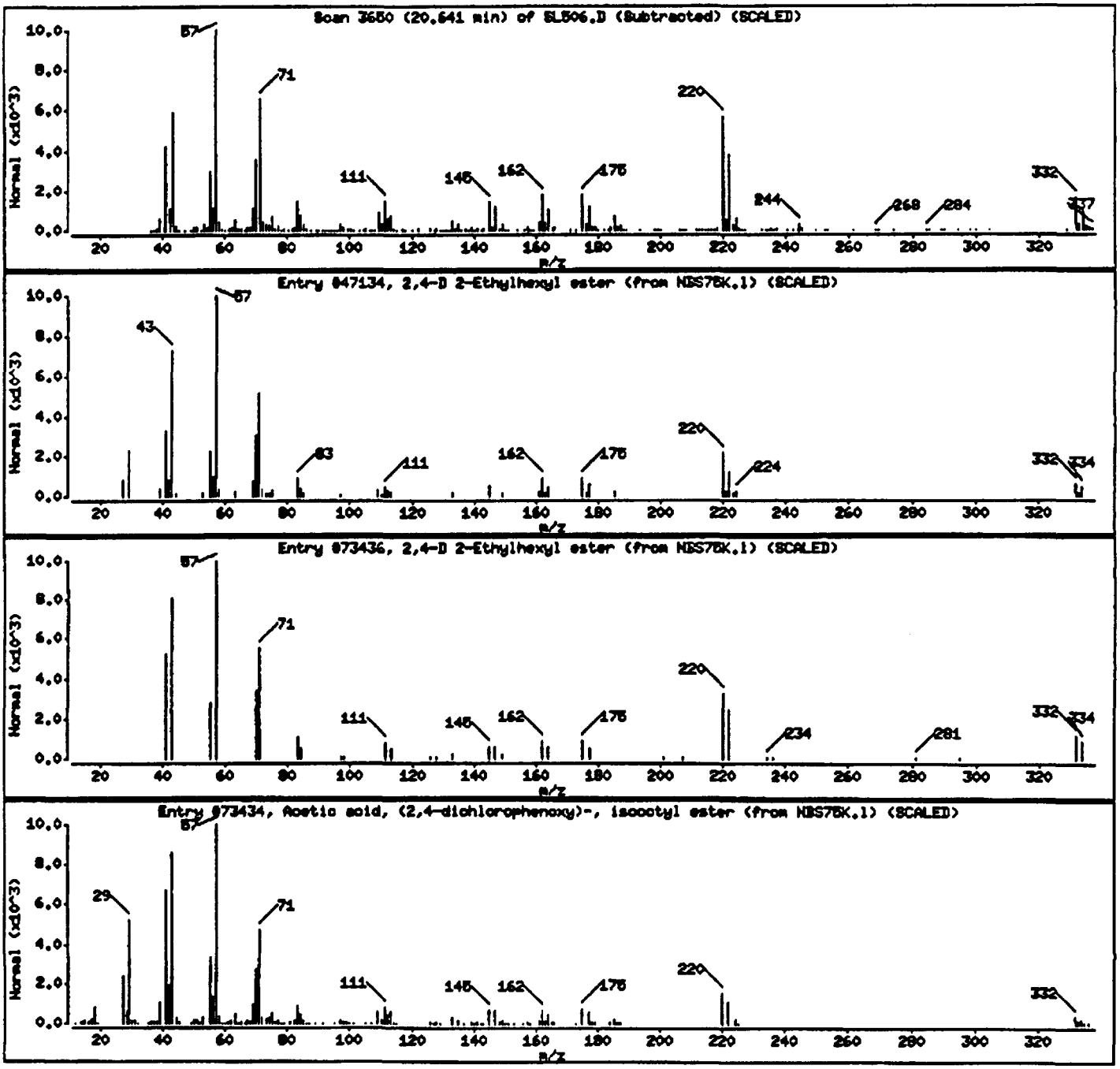
Volume Injected (uL): 2.0

Operator: 001874

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	26168-26-7	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

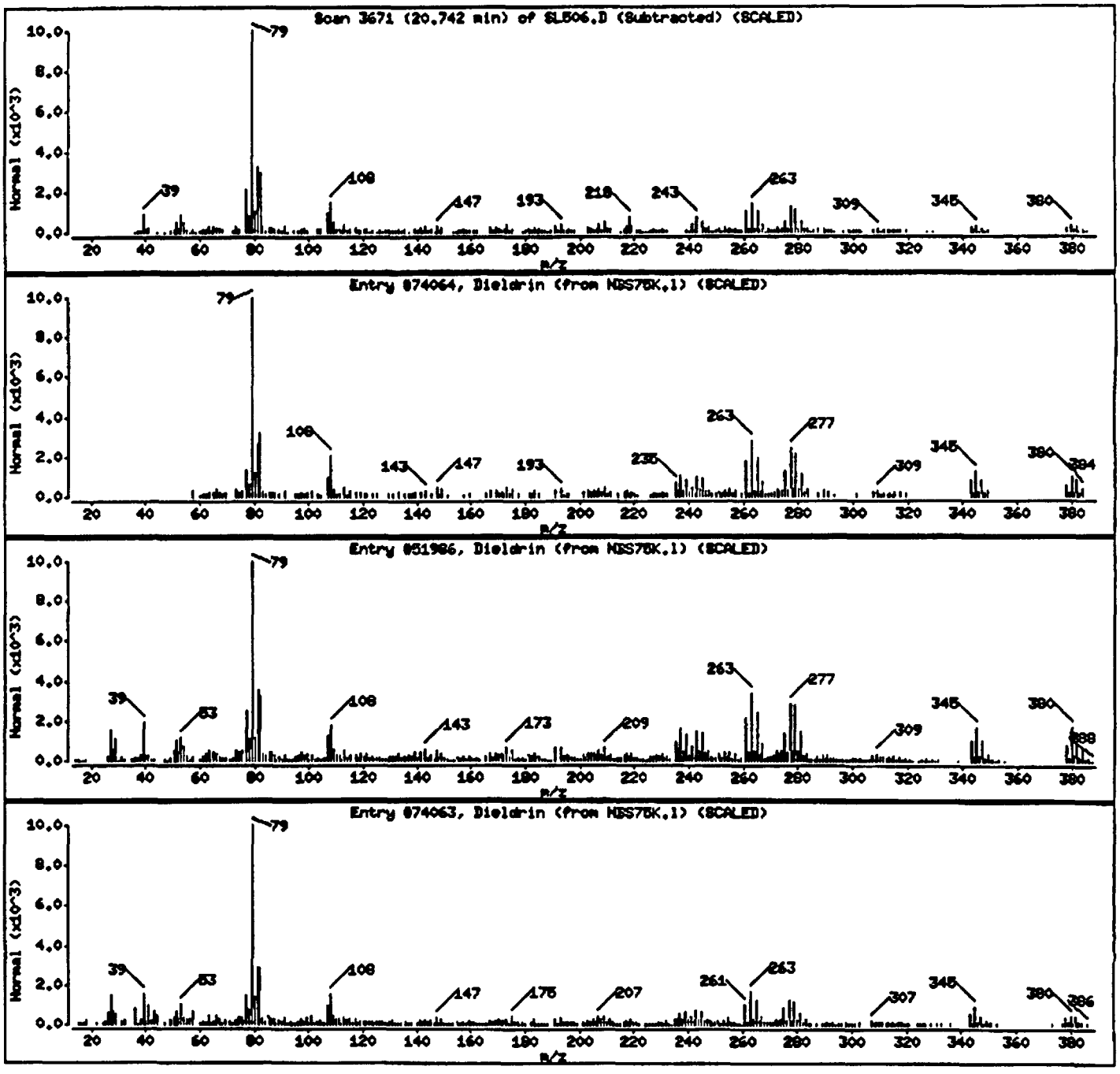
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dieldrin	60-57-1	NBS75K.l	74064	98	C12H8Cl6O	378
Dieldrin	60-57-1	NBS75K.l	51986	97	C12H8Cl6O	378
Dieldrin	60-57-1	NBS75K.l	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,clp31,i-clp90,sub

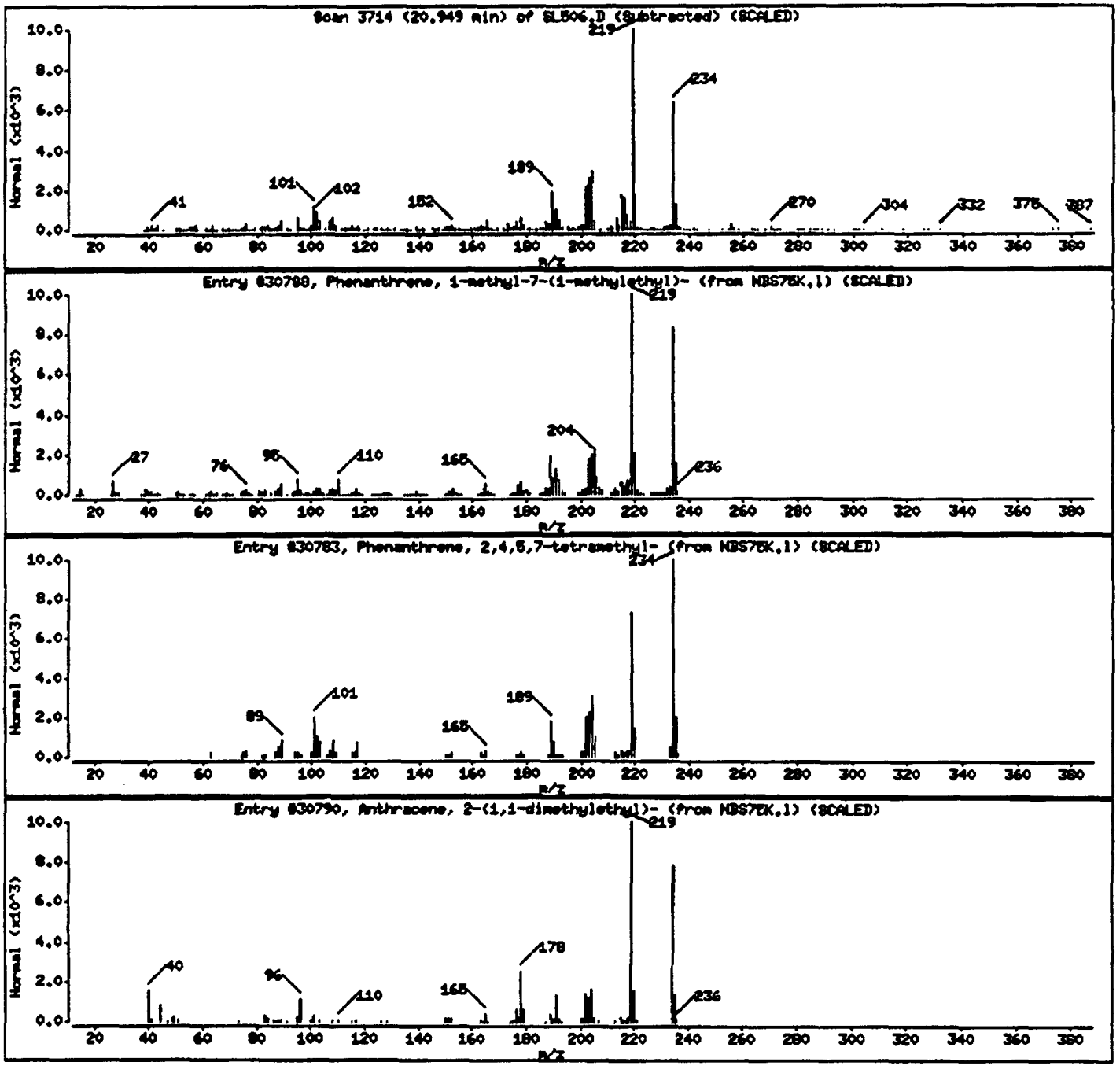
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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	88	C18H18	234



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,clp31,i-clp90.sub

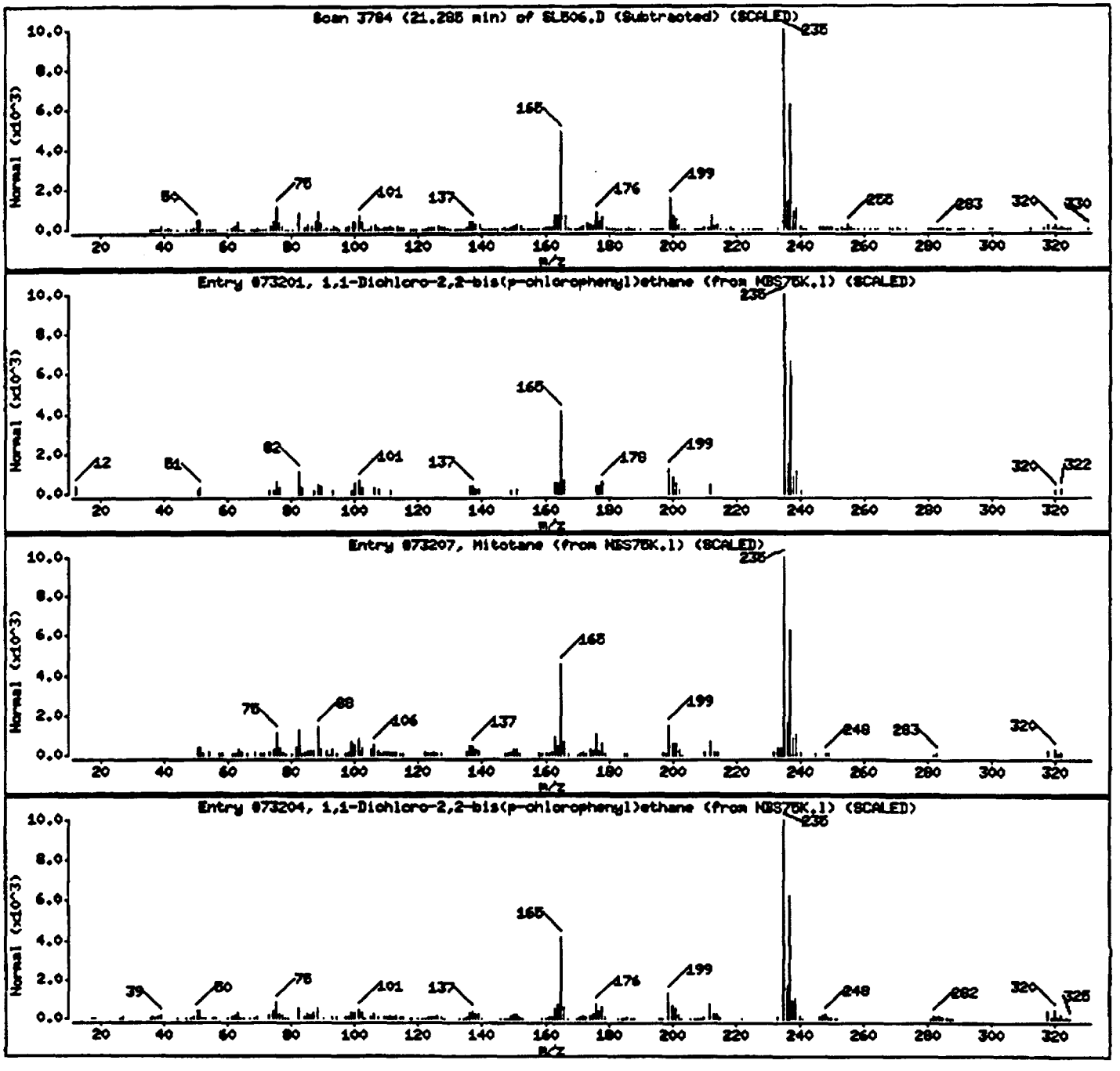
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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



Data File: \\wcanoh05\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

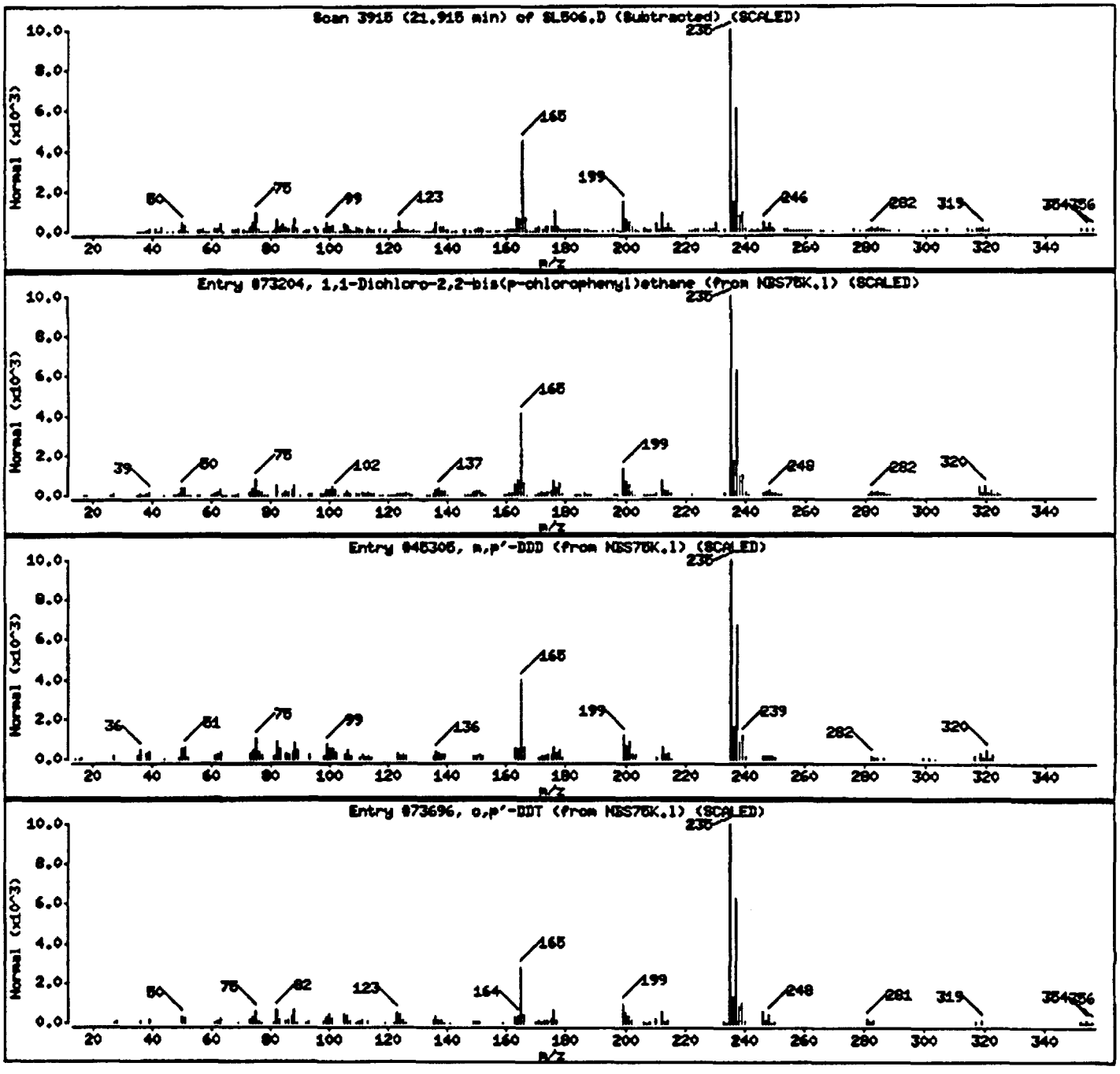
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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	45306	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: djrn410u,00929a,b,clp31,i-clp90,sub

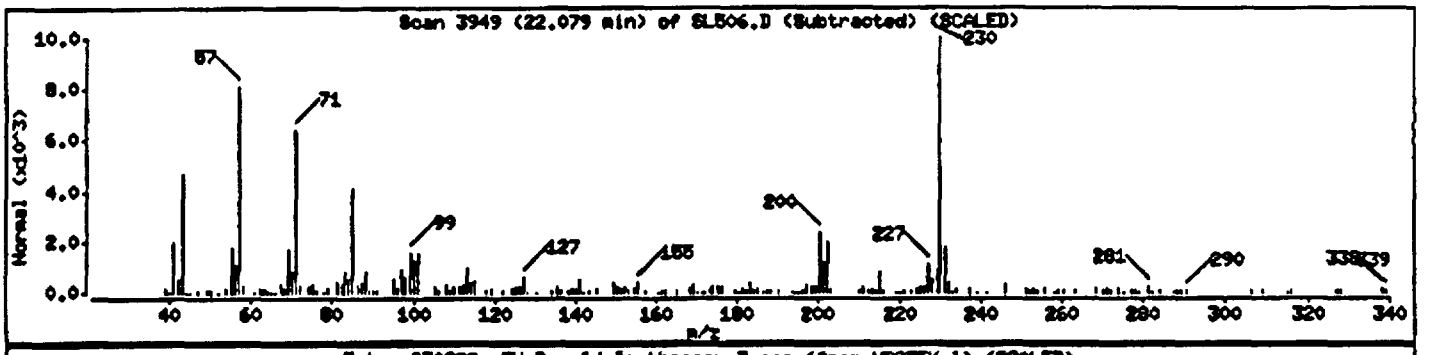
Volume Injected (uL): 2.0

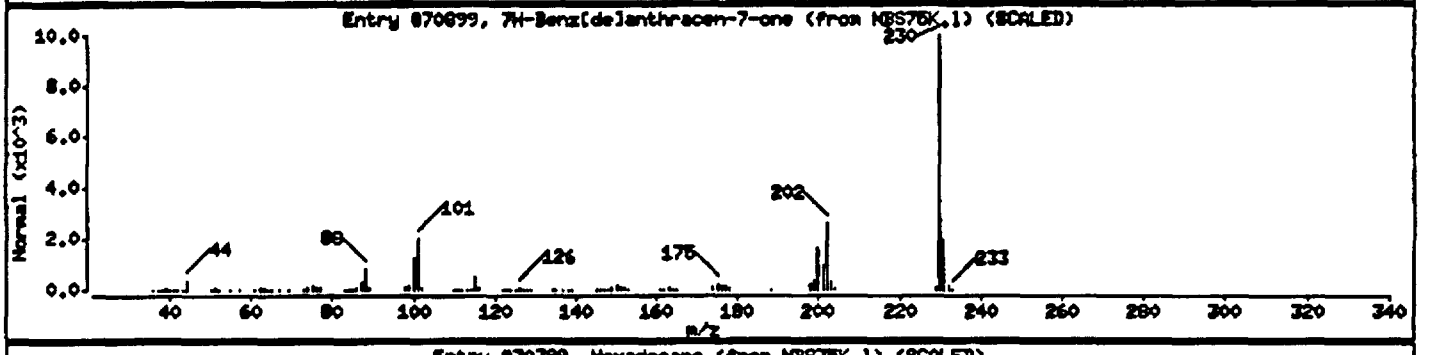
Operator: 001574

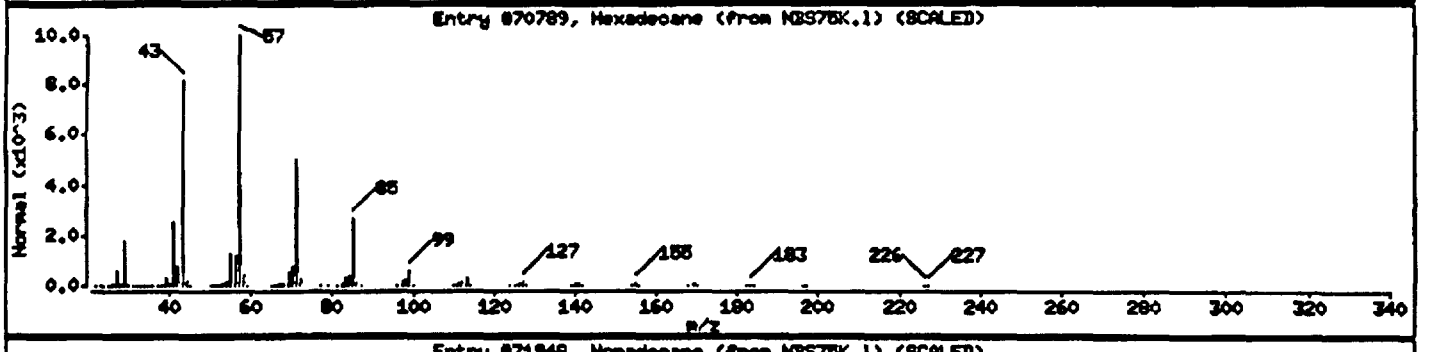
Column phase:

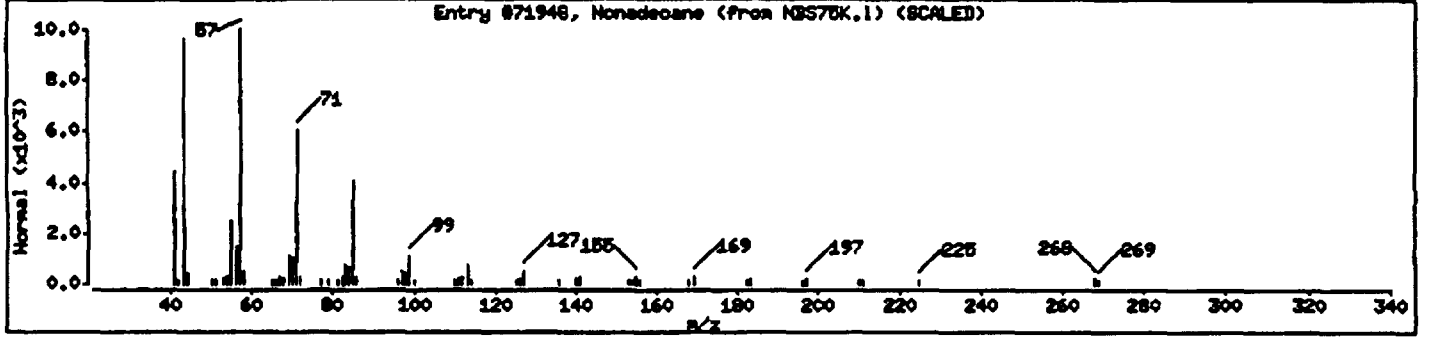
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
7H-Benz[delanthracen-7-one	82-05-3	NBS75K.l	70899	87	C17H10O	230
Hexadecane	544-76-3	NBS75K.l	70789	62	C16H34	226
Nonadecane	629-92-5	NBS75K.l	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: djrm410u,00929a.b,olp31,1-olp90,sub

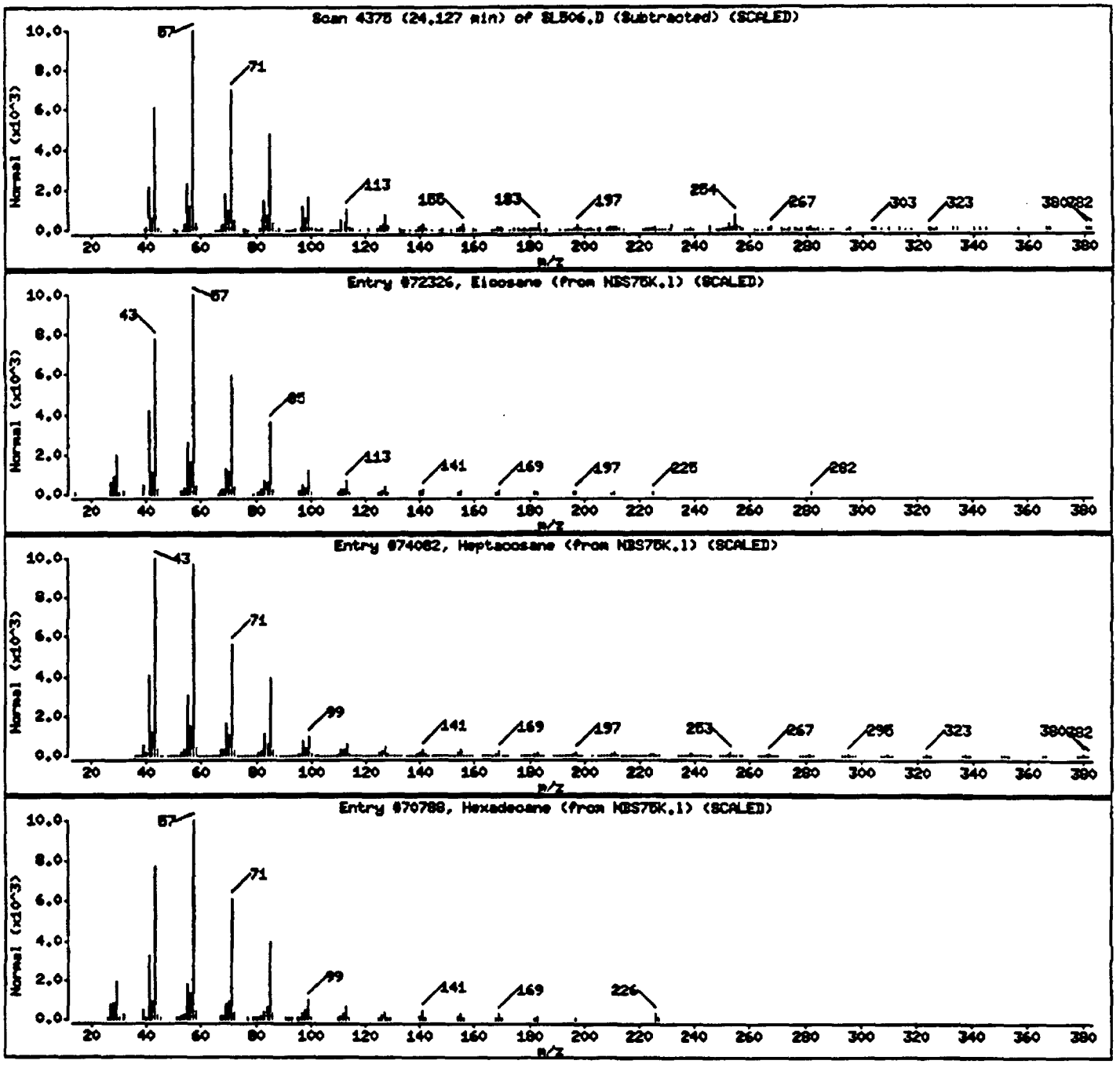
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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



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

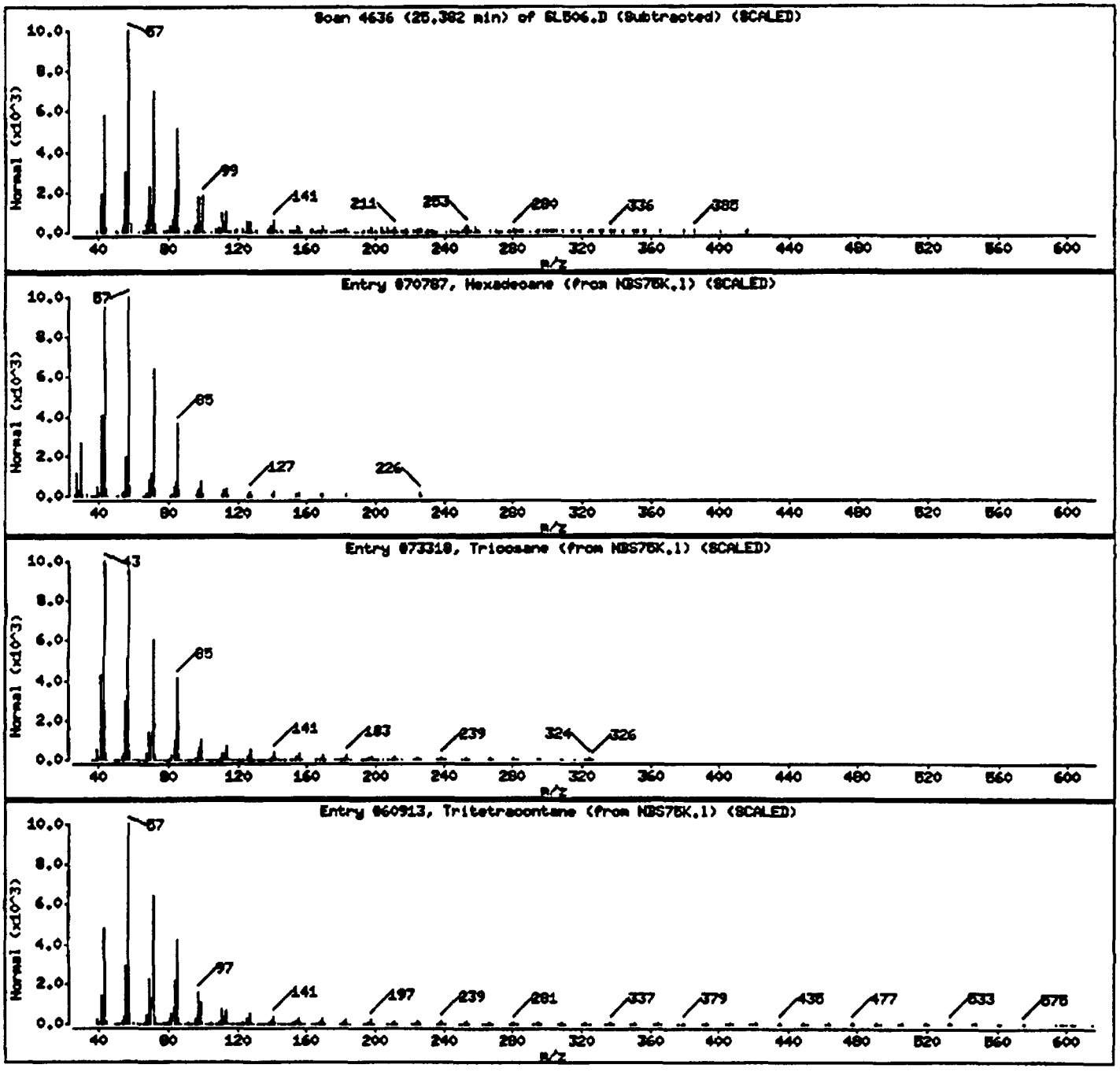
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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



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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

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

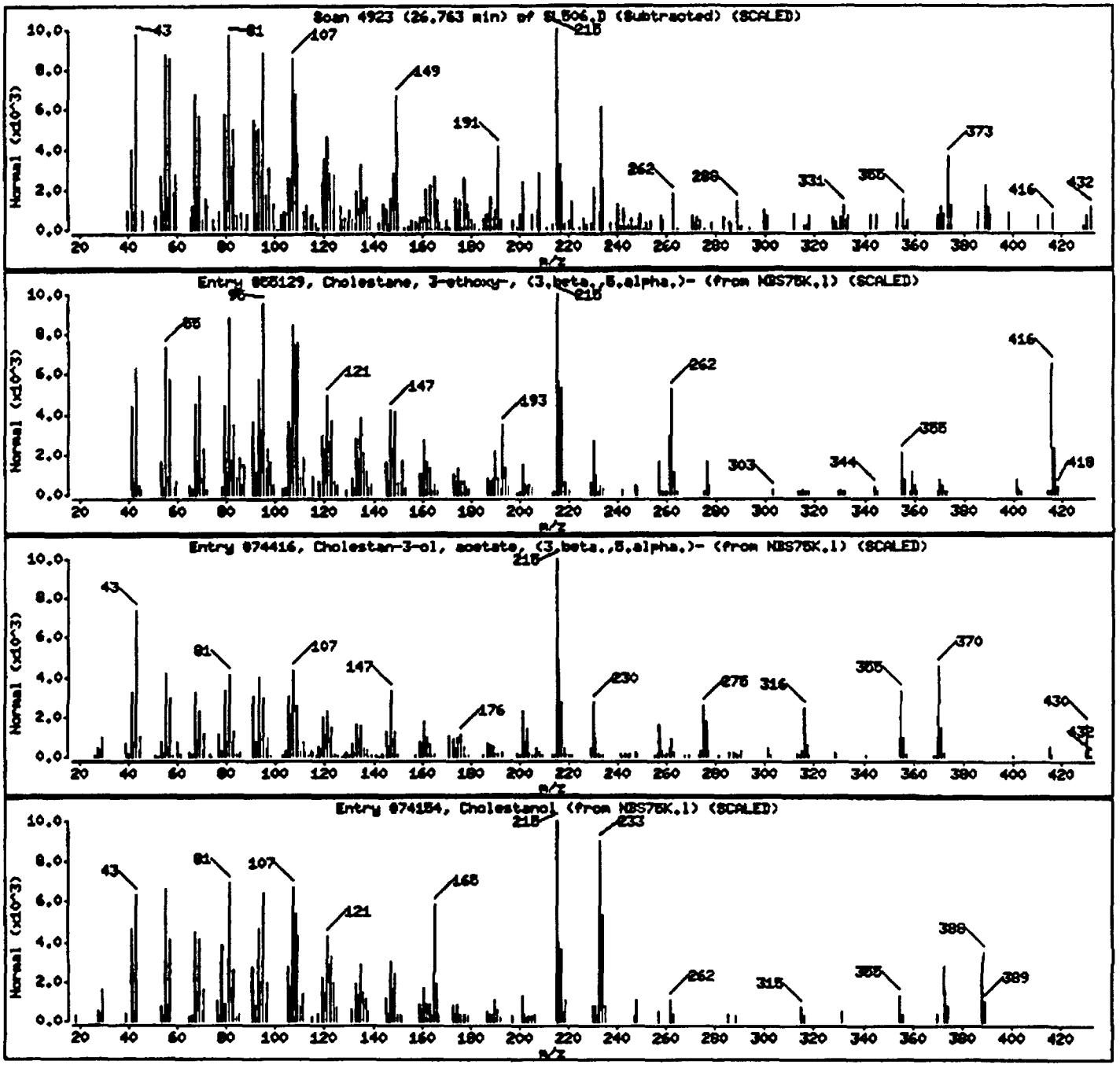
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestane, 3-ethoxy-, (3.beta.,5.alpha.	2089-02-3	NBS75K.l	55129	82	C29H520	416
Cholestan-3-ol, acetate, (3.beta.,5.alph	1255-00-5	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,i-clp90,sub

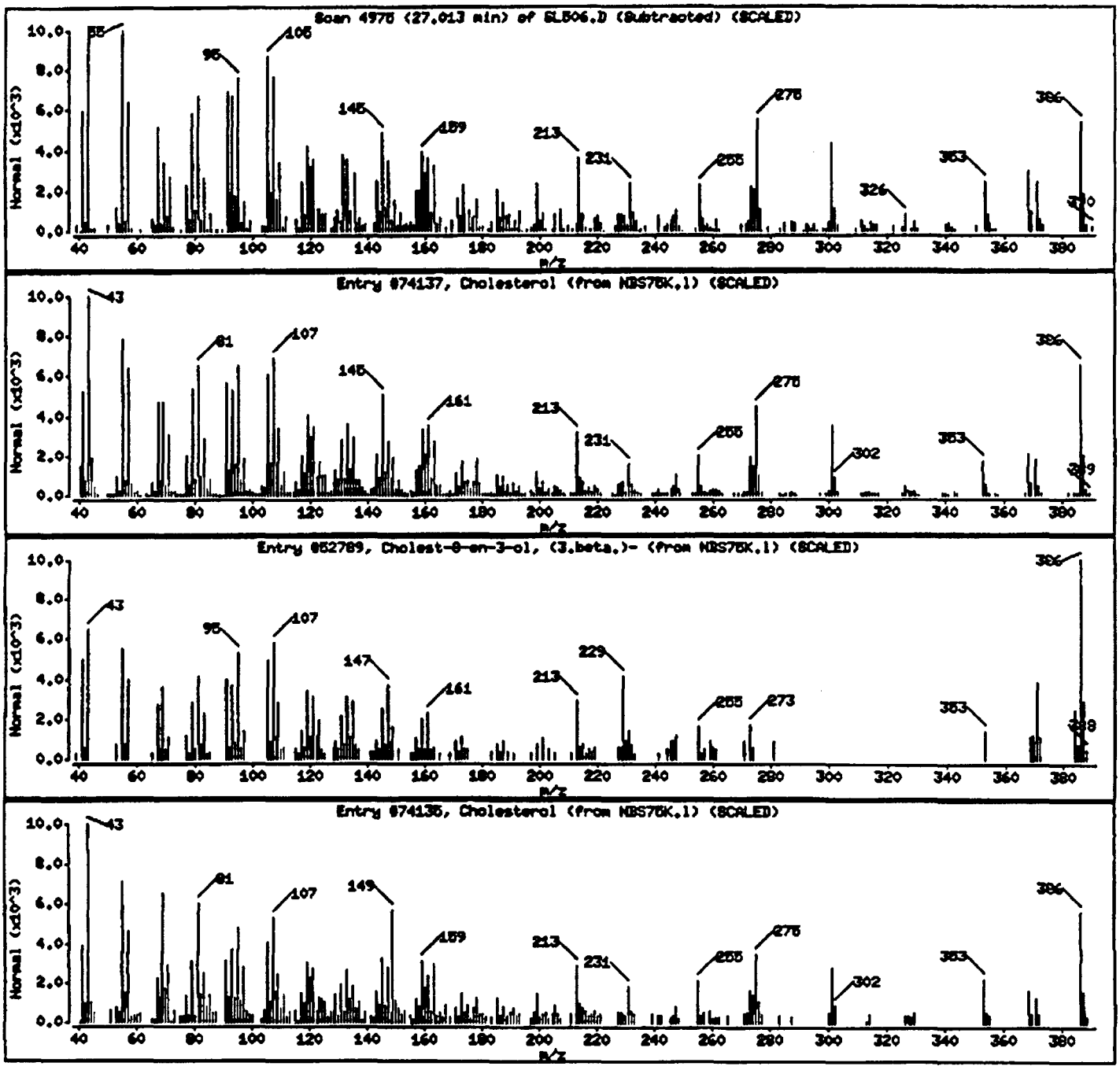
Volume Injected (uL): 2.0

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	99	C27H46O	386
Cholest-8-en-3-ol, (3.beta.)-	7199-91-9	NBS75K.1	82789	91	C27H46O	386
Cholesterol	57-88-5	NBS75K.1	74136	89	C27H46O	386



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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

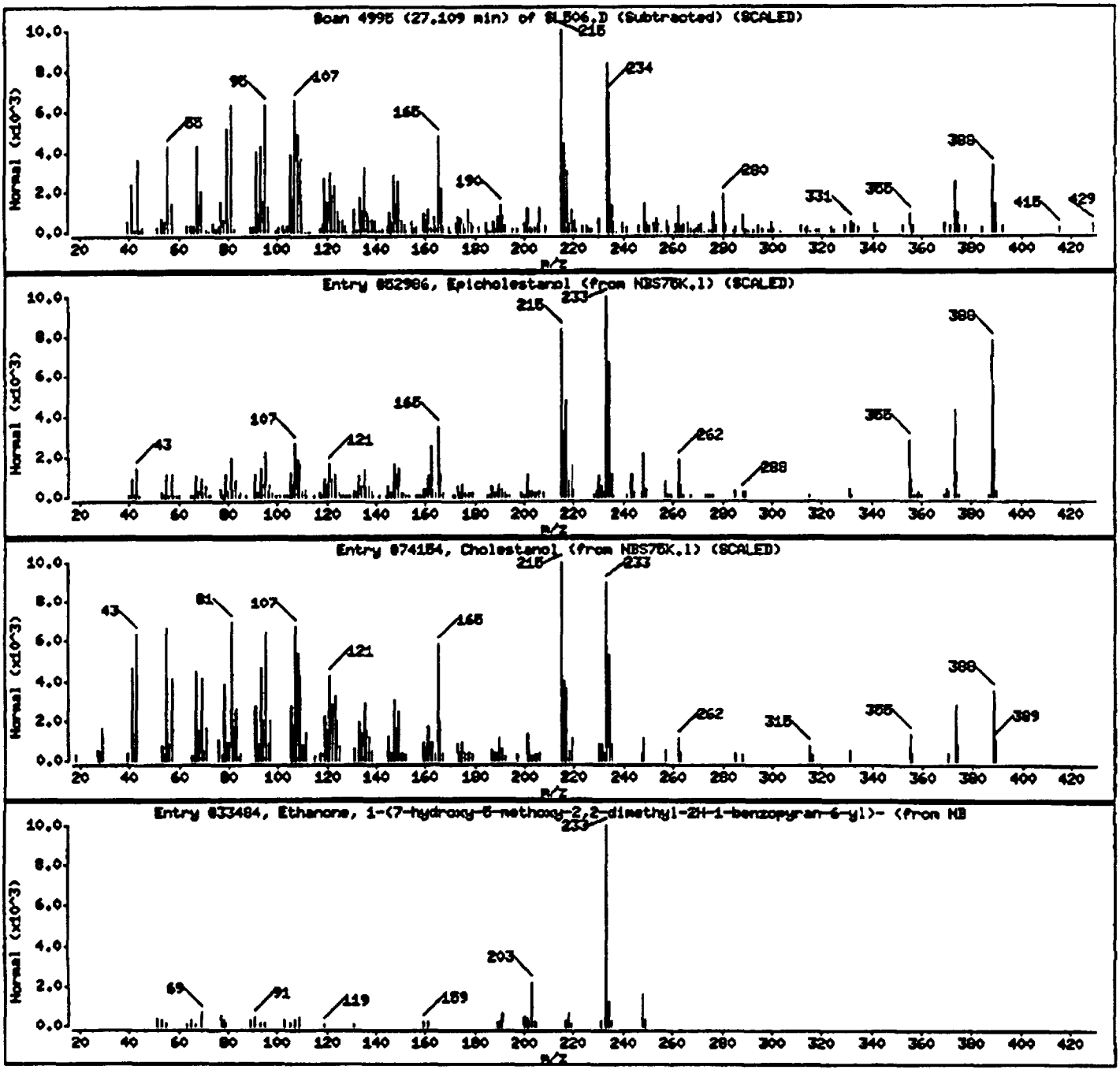
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

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



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Date : 30-SEP-2000 02:13

Client ID: SL50-6'

Instrument: a4hp8.i

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

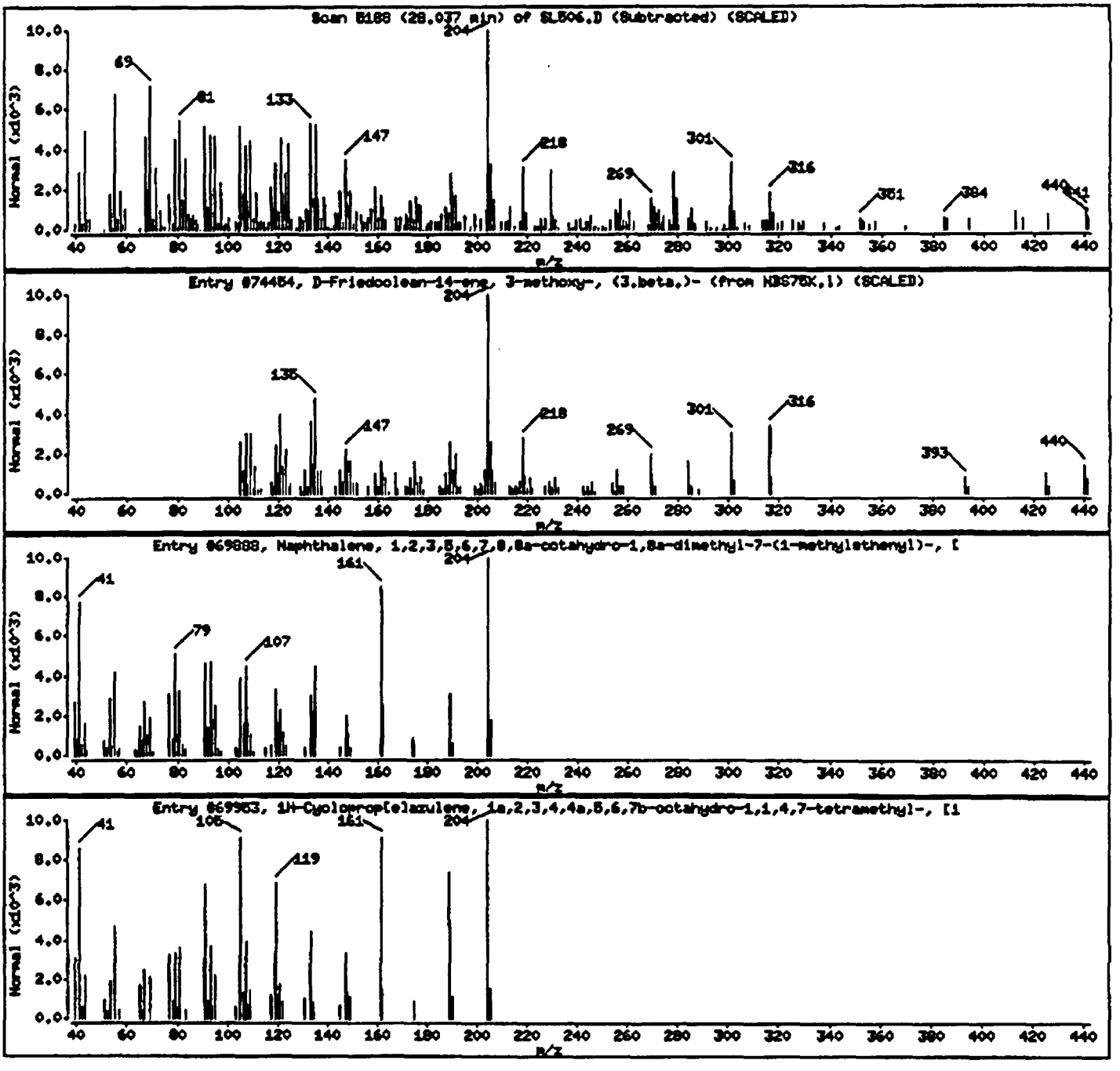
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	NBS75K.1	74454	93	C31H52O	440
Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-	4630-07-3	NBS75K.1	69888	53	C15H24	204
1H-Cyclopropl[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.1	69953	43	C15H24	204



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Date : 30-SEP-2000 02:13

Client ID: SL50-6*

Instrument: a4hp8.i

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

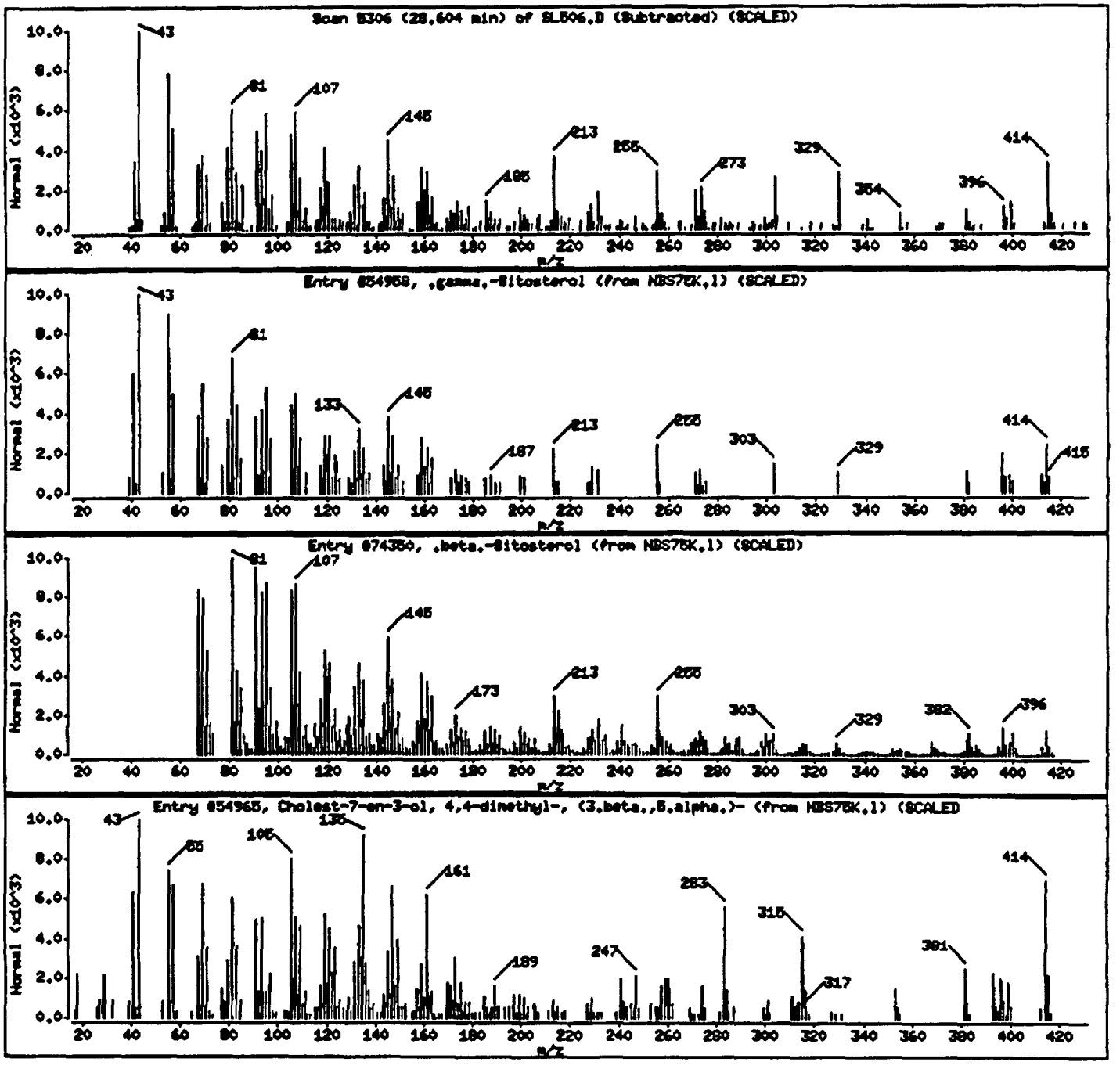
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.1	54968	83	C29H50O	414
.beta.-Sitosterol	83-46-5	NBS75K.1	74350	89	C29H50O	414
Cholest-7-en-3-ol, 4,4-dimethyl-, (3.bet	6384-28-7	NBS75K.1	54965	11	C29H50O	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

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: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
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

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

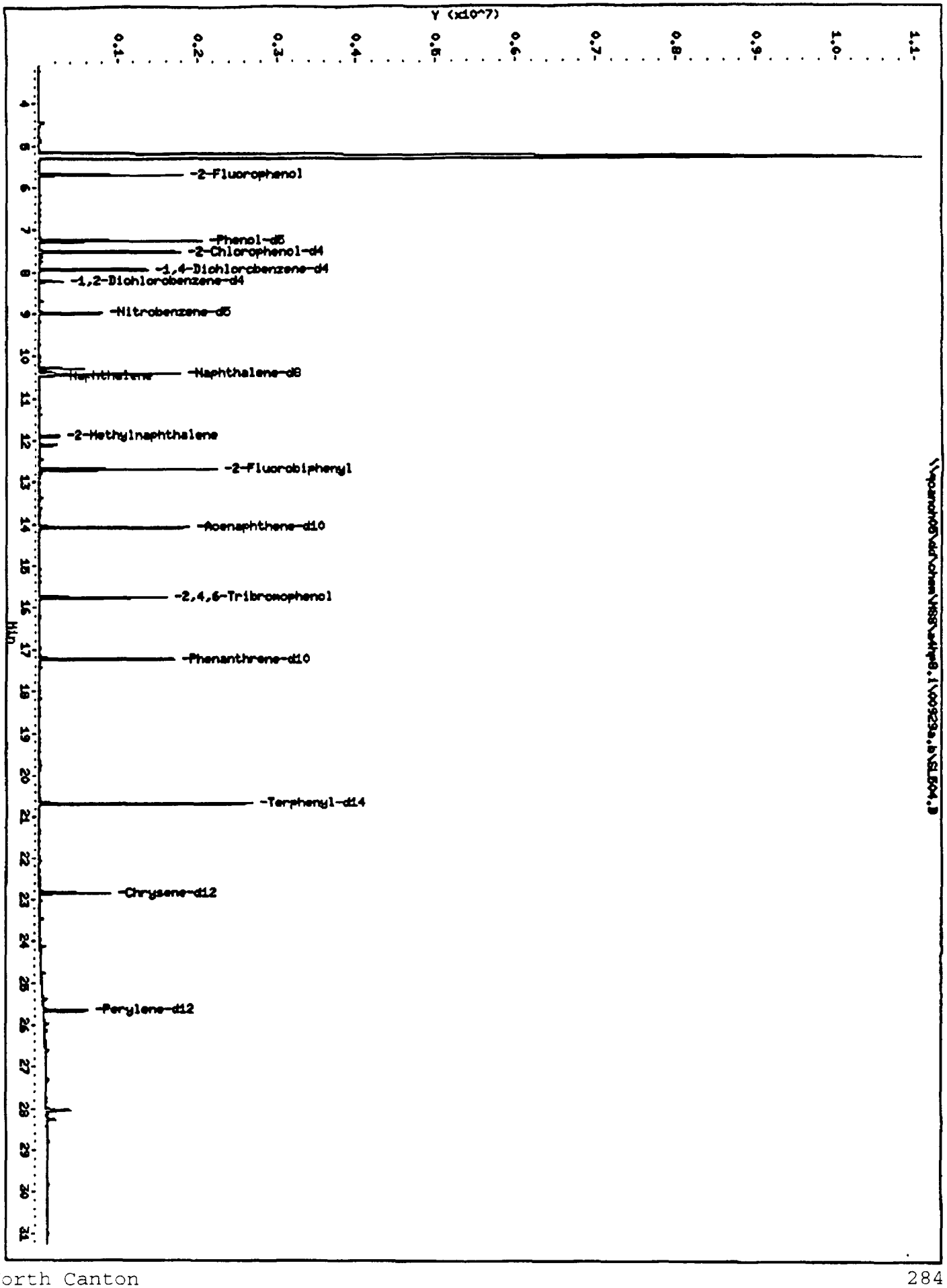
QC Batch: 0249298

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

FORM I - TIC


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
Min
-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

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

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.					

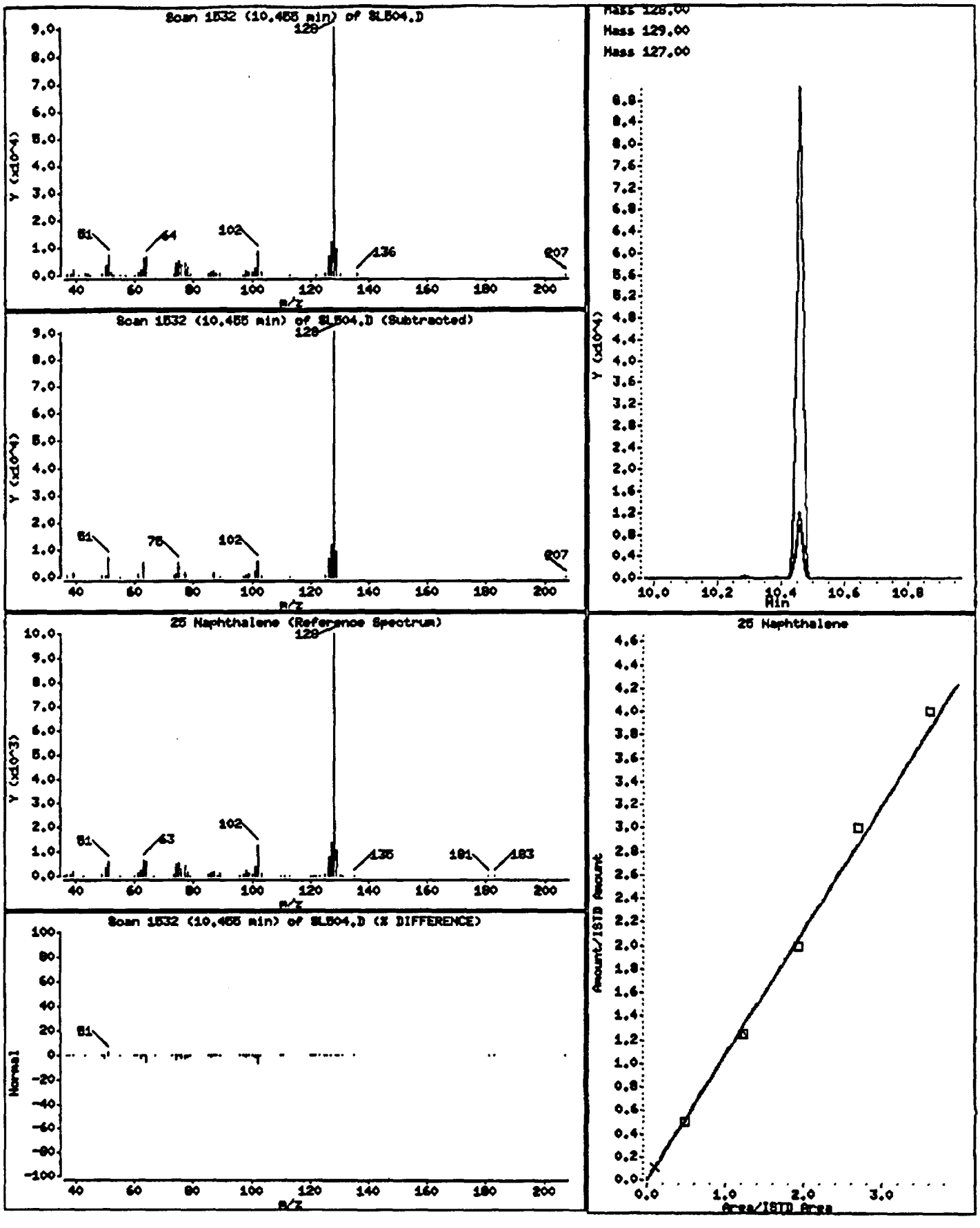
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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)

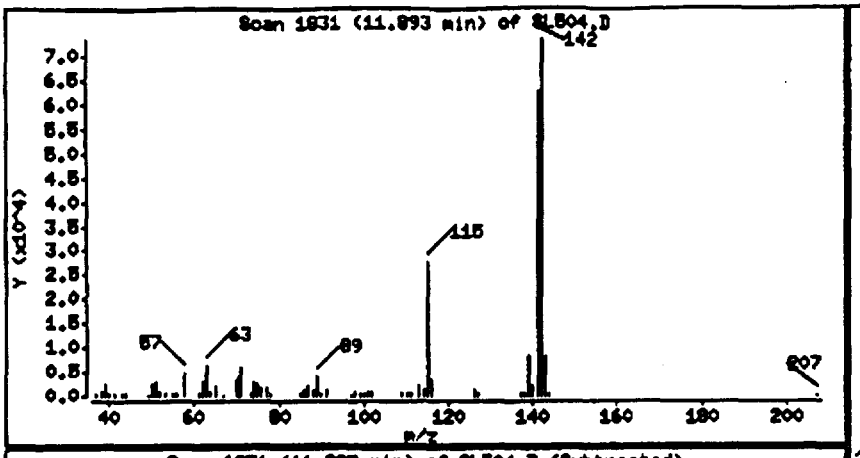
QC Flag Legend

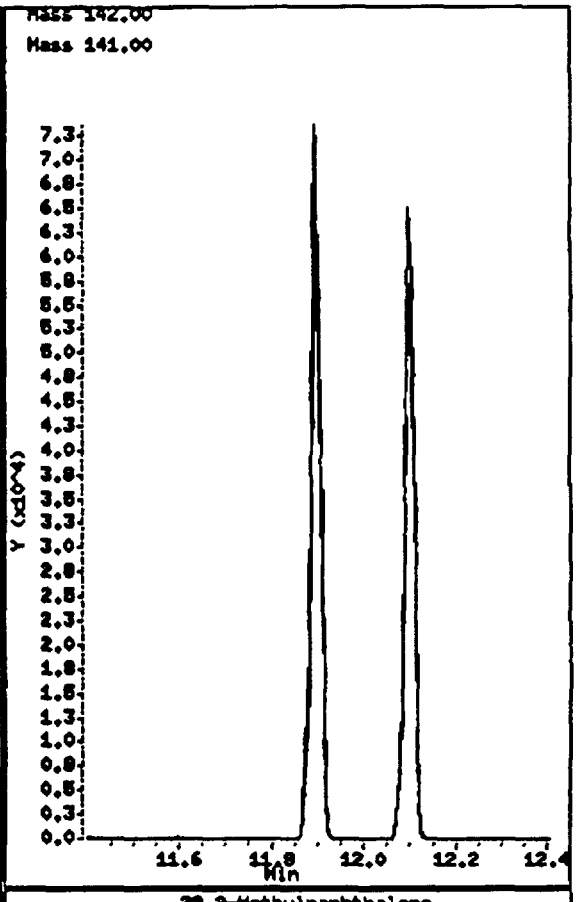
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

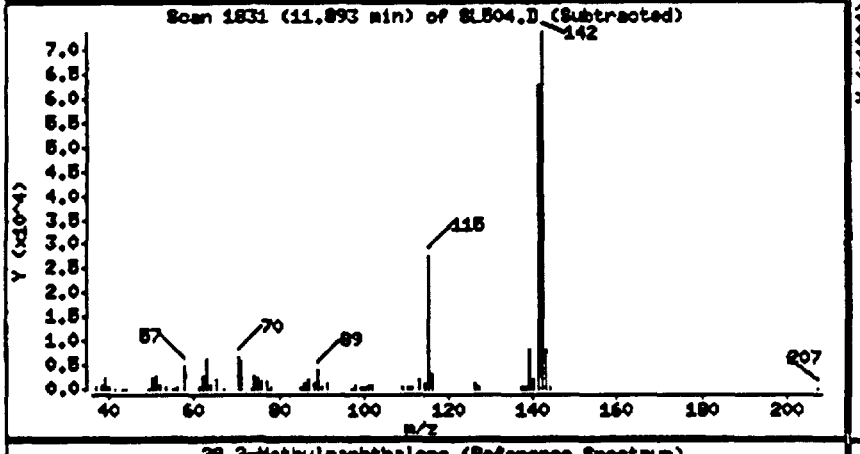
25 Naphthalene

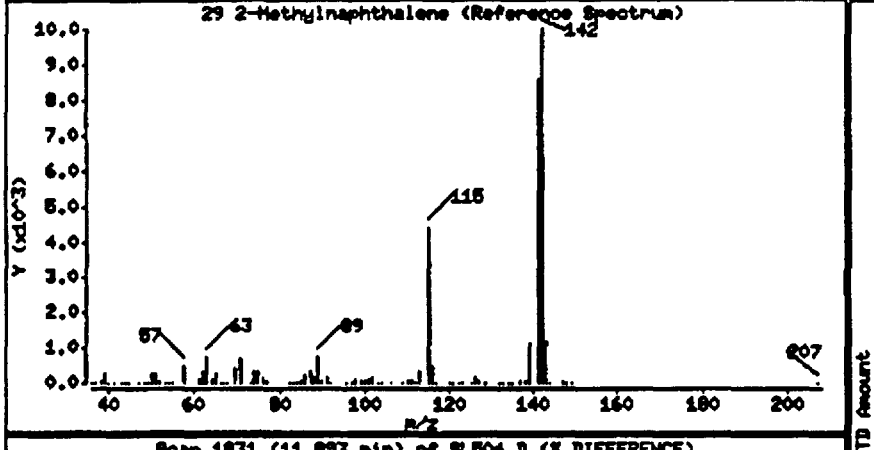


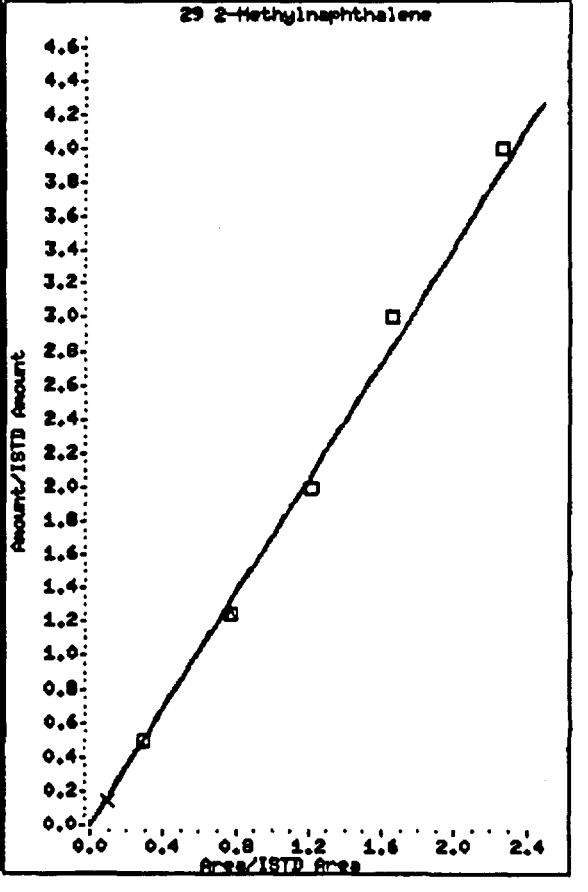
29 2-Methylnaphthalene

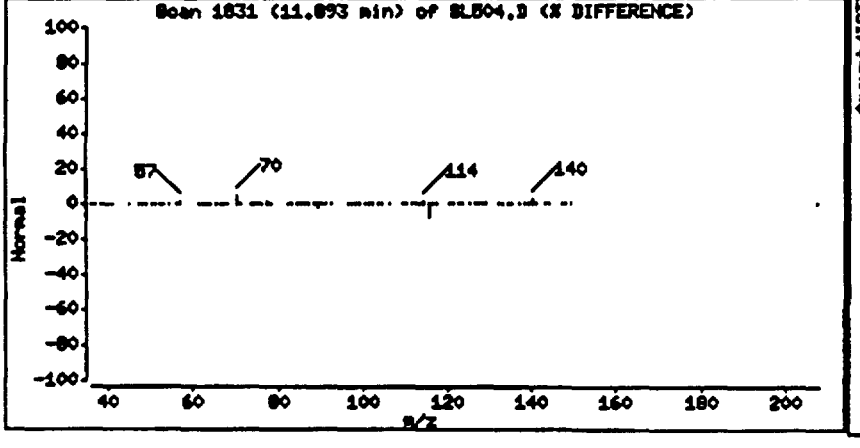












STL - North Canton

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(NG)	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: \\qcanch05\dd\chem\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,clp31,i-clp90.sub

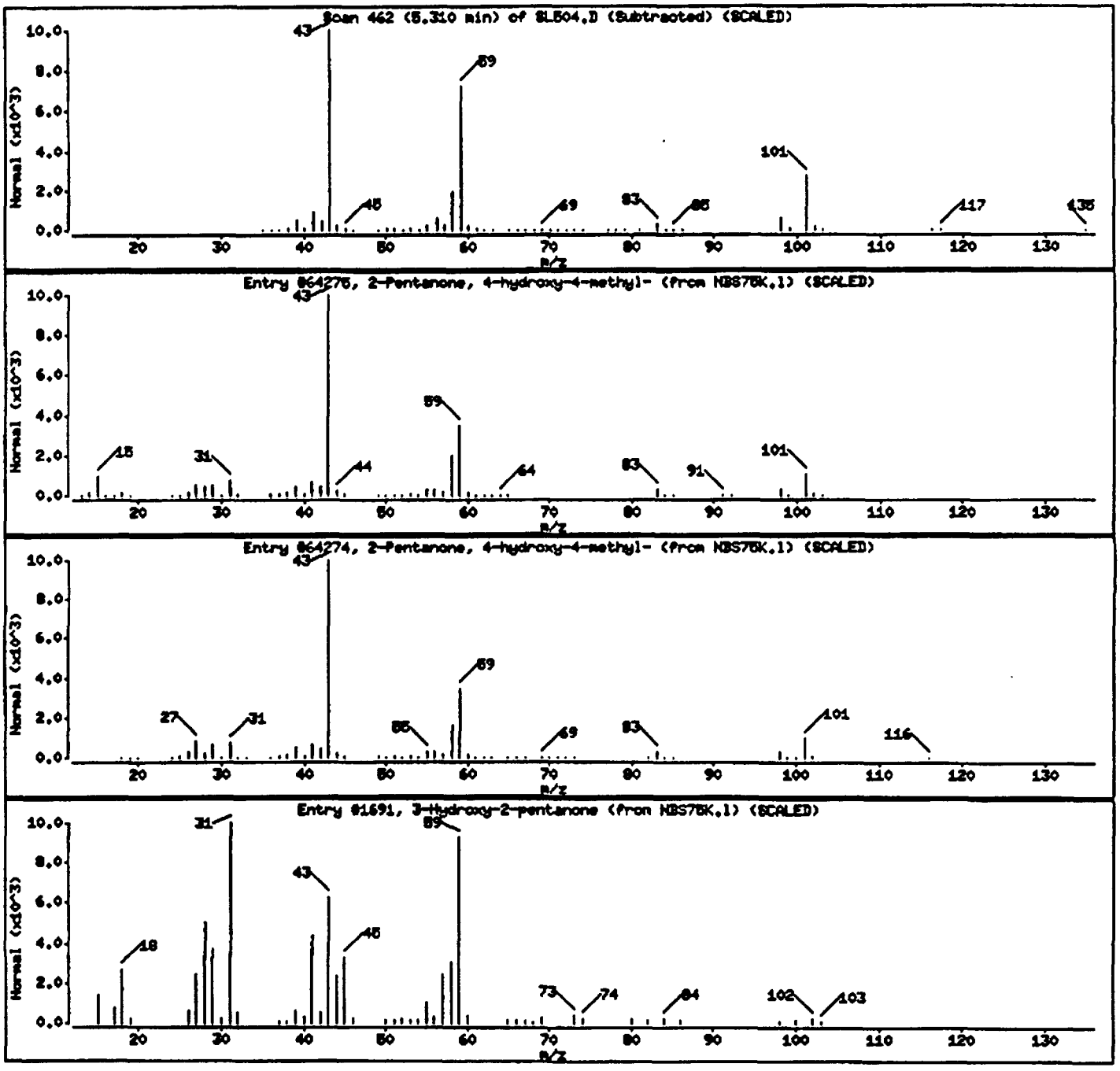
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	59	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	42	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	32	C5H10O2	102



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Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

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

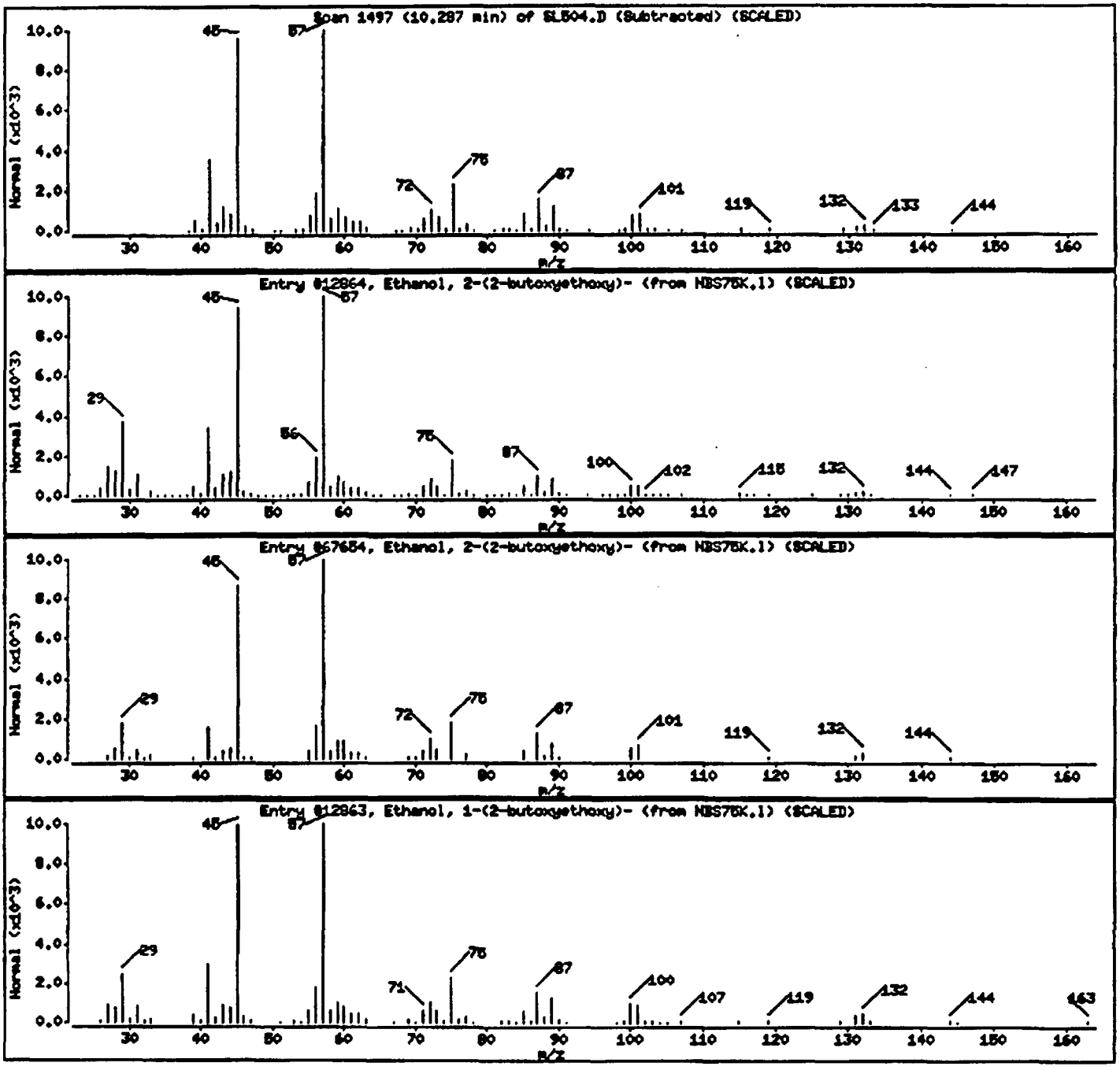
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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)-	54446-78-5	NBS75K.l	12863	83	C8H18O3	162



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Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

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

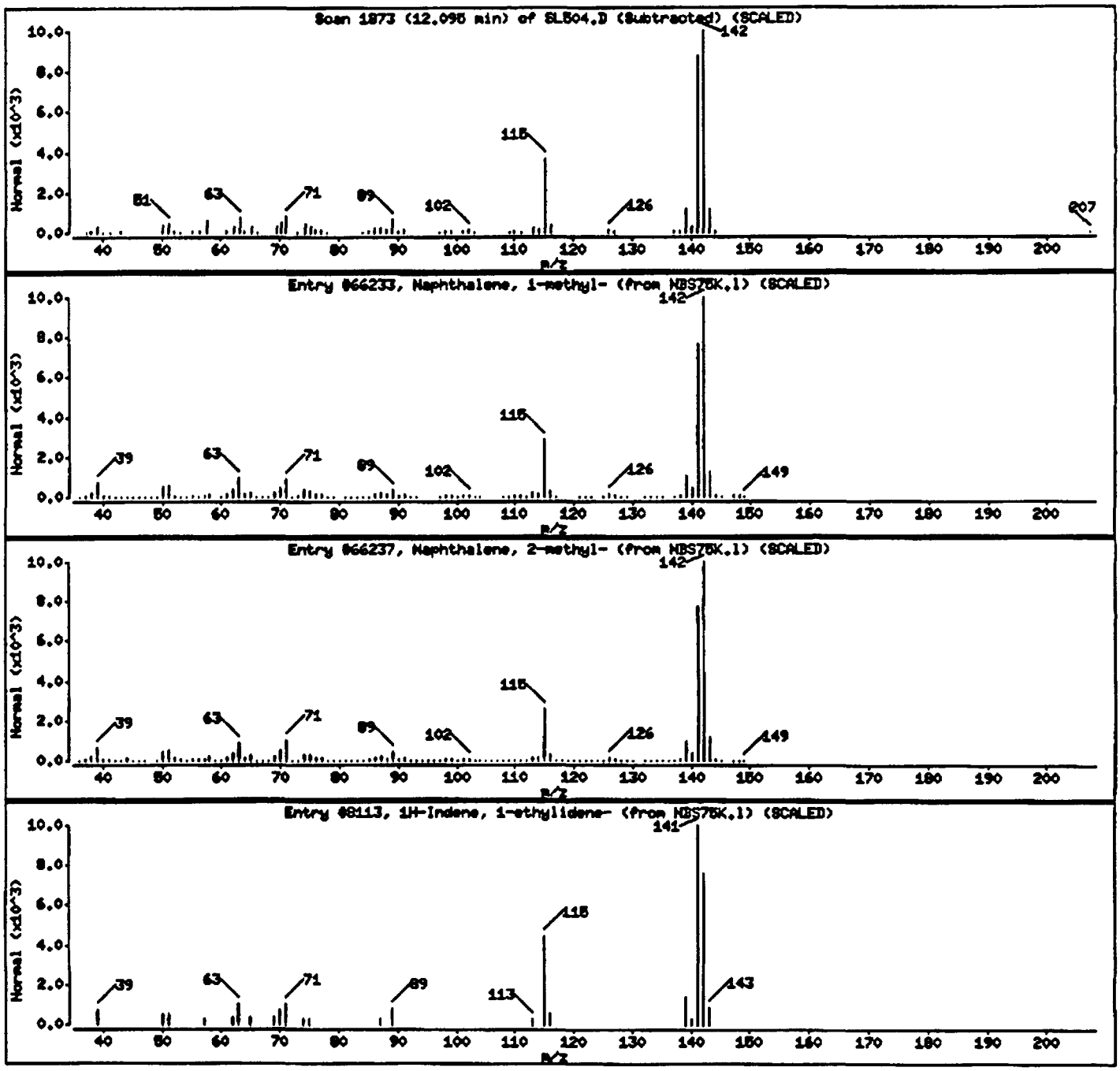
Volume Injected (uL): 2.0

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	95	C11H10	142
1H-Indene, 1-ethylidene-	2471-83-2	NBS75K.l	8113	95	C11H10	142



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Date : 29-SEP-2000 22:16

Client ID: SL50-4'

Instrument: a4hp8.i

Sample Info: djrndi0u,00929a.b,olp31,1-olp90.sub

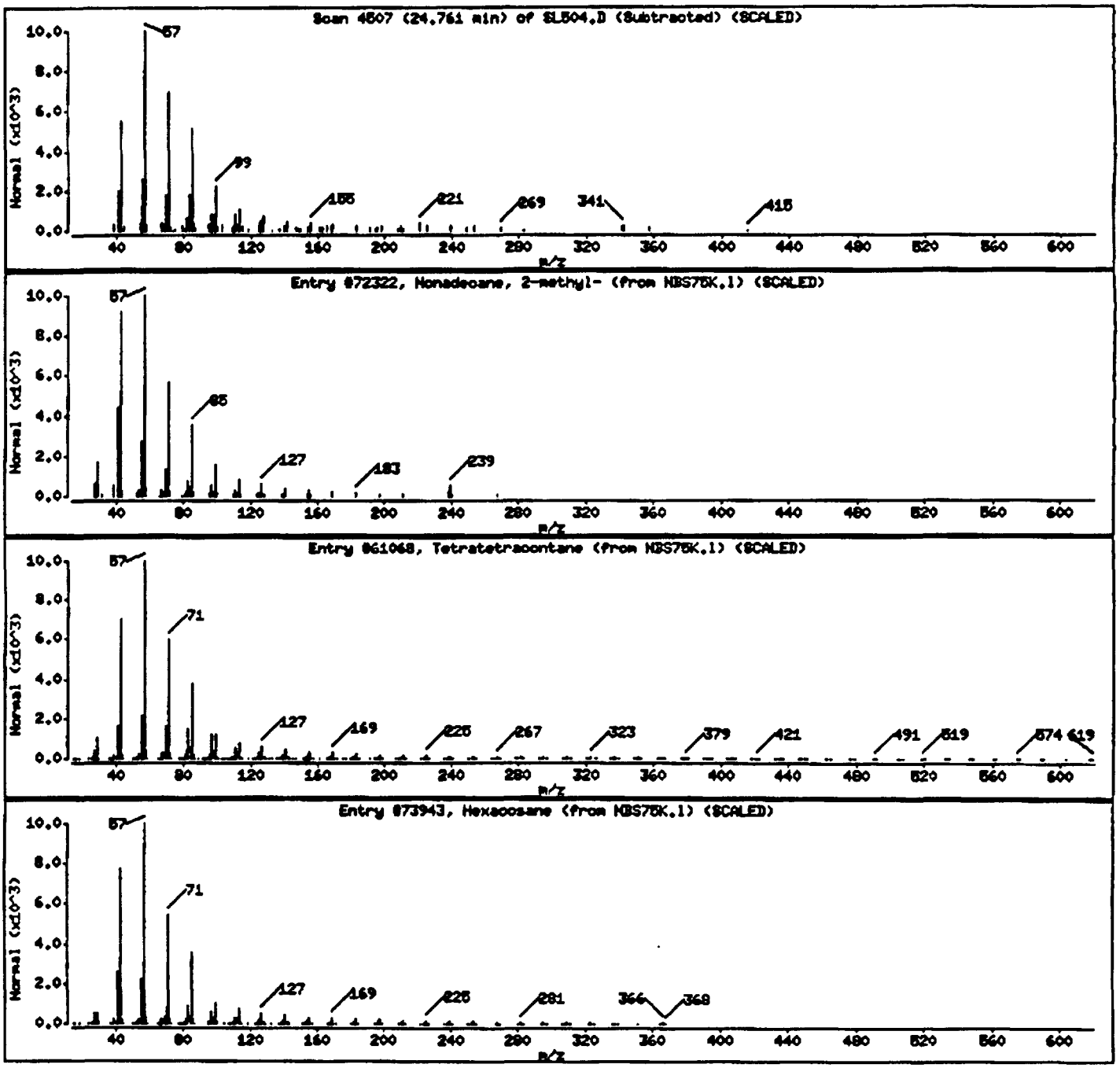
Volume Injected (uL): 2.0

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: \\qcanch05\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

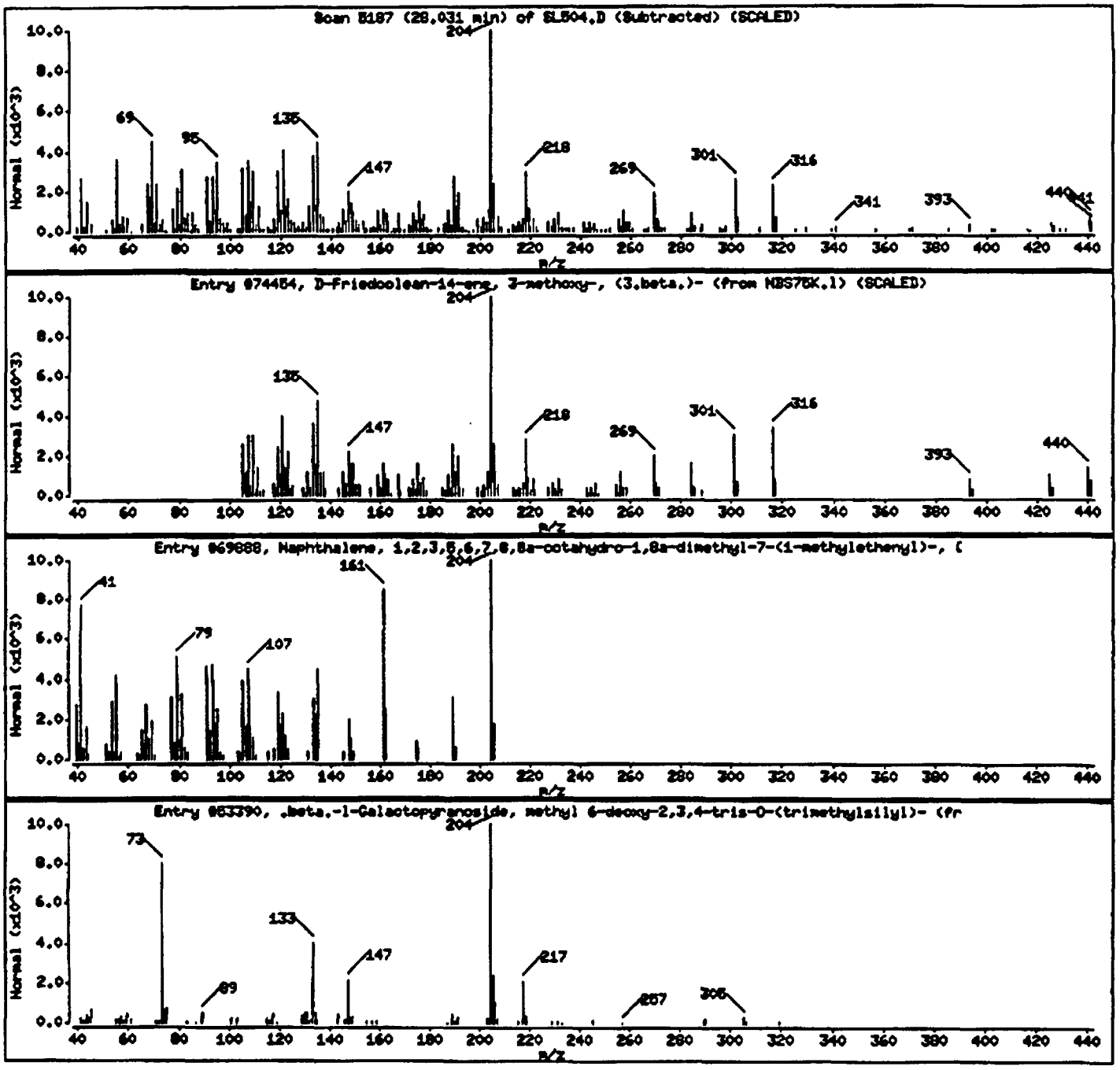
Volume Injected (uL): 2.0

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	56271-89-1	NBS75K.l	53390	35	C16H38O5Si3	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)

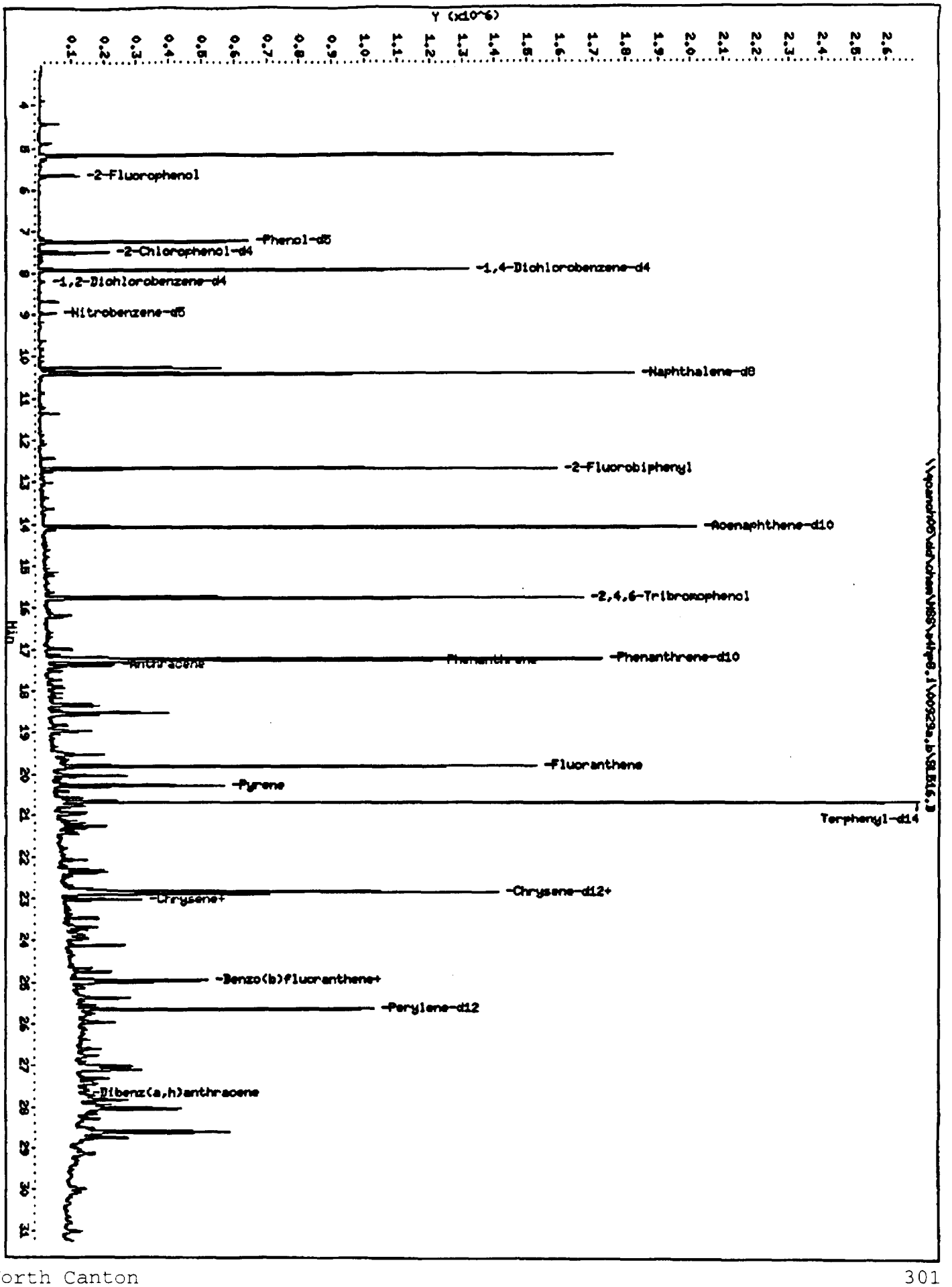
Sample WT/Vol: 30.03 / g Date Received: 09/01/00
Work Order: DJRNG10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:62

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)
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6
Min
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 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
-Anthracene
-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.					

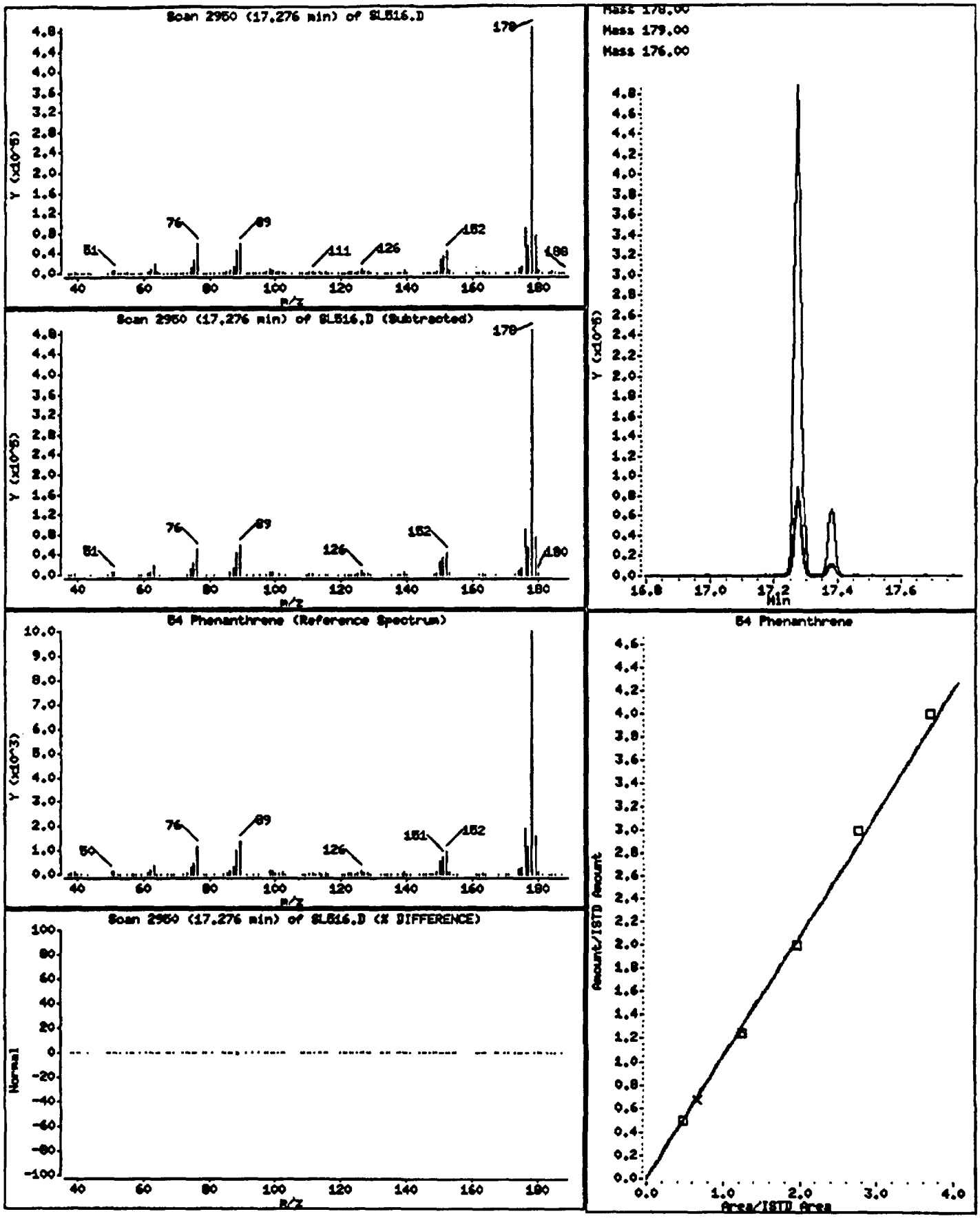
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	7.504	7.517	(0.946)	90144	9.72620	160(aQ)
$ 79 1,2-Dichlorobenzene-d4	152	7.932	8.223	(1.000)	316626	50.1795	840(Q)

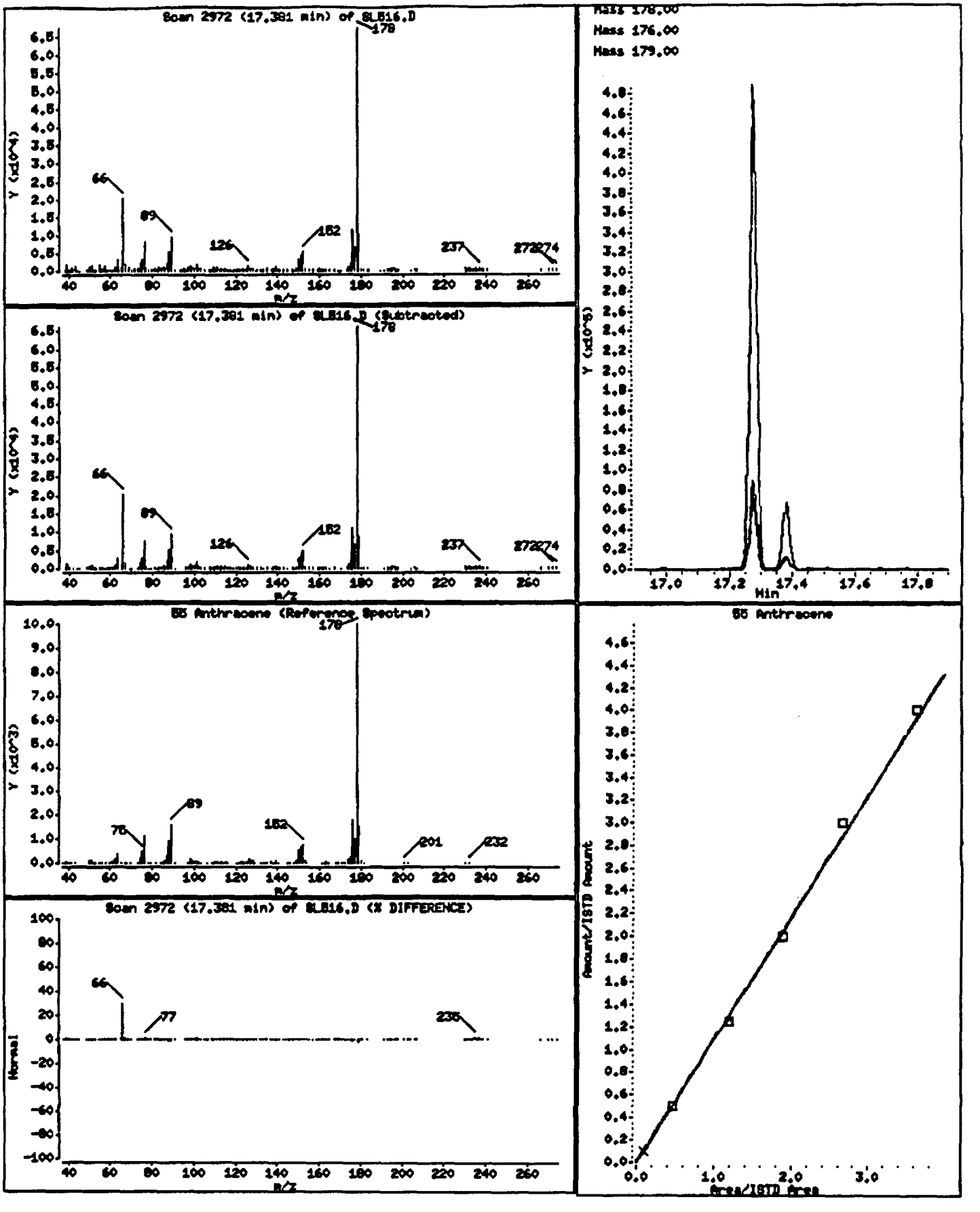
QC Flag Legend

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.

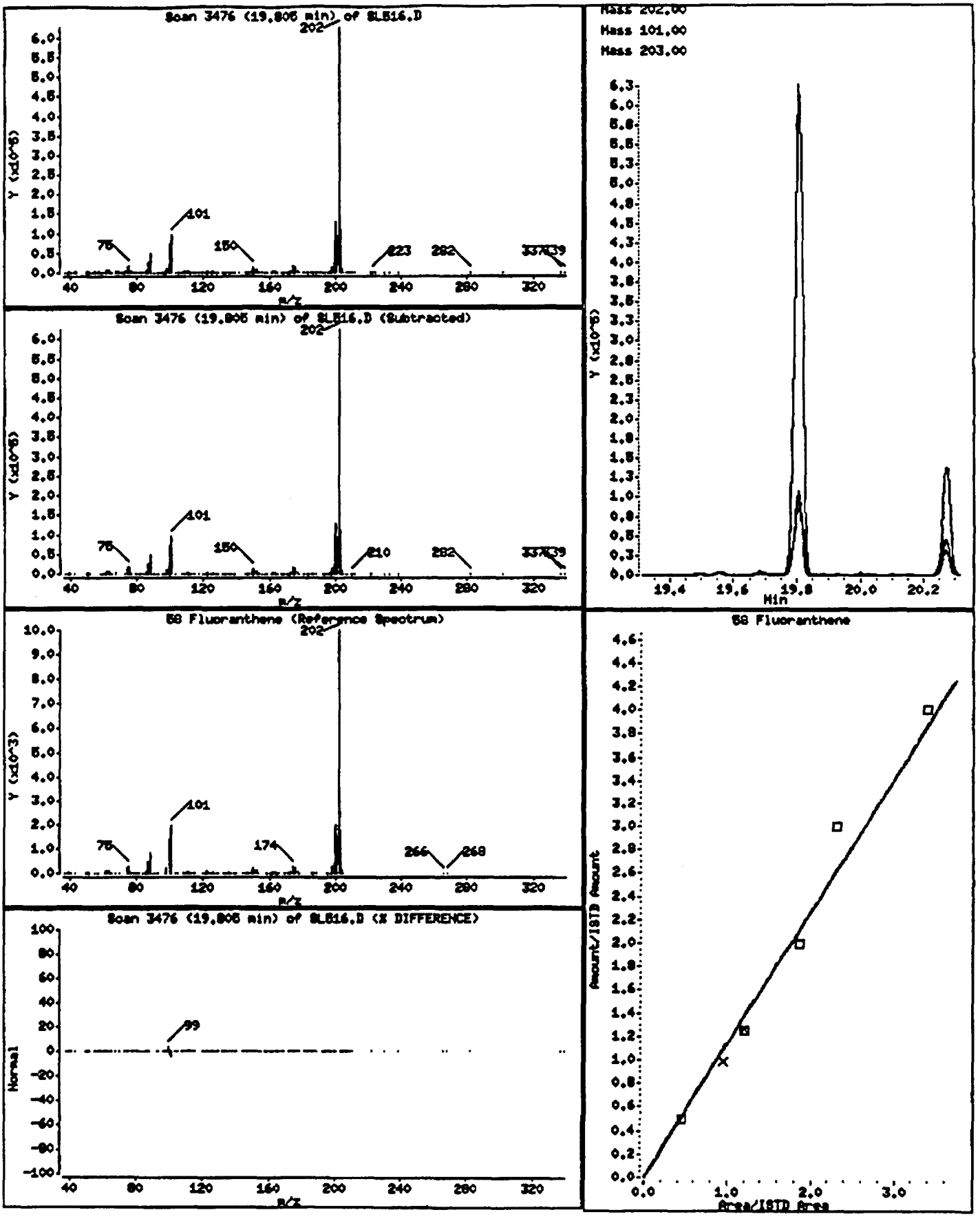
54 Phenanthrene



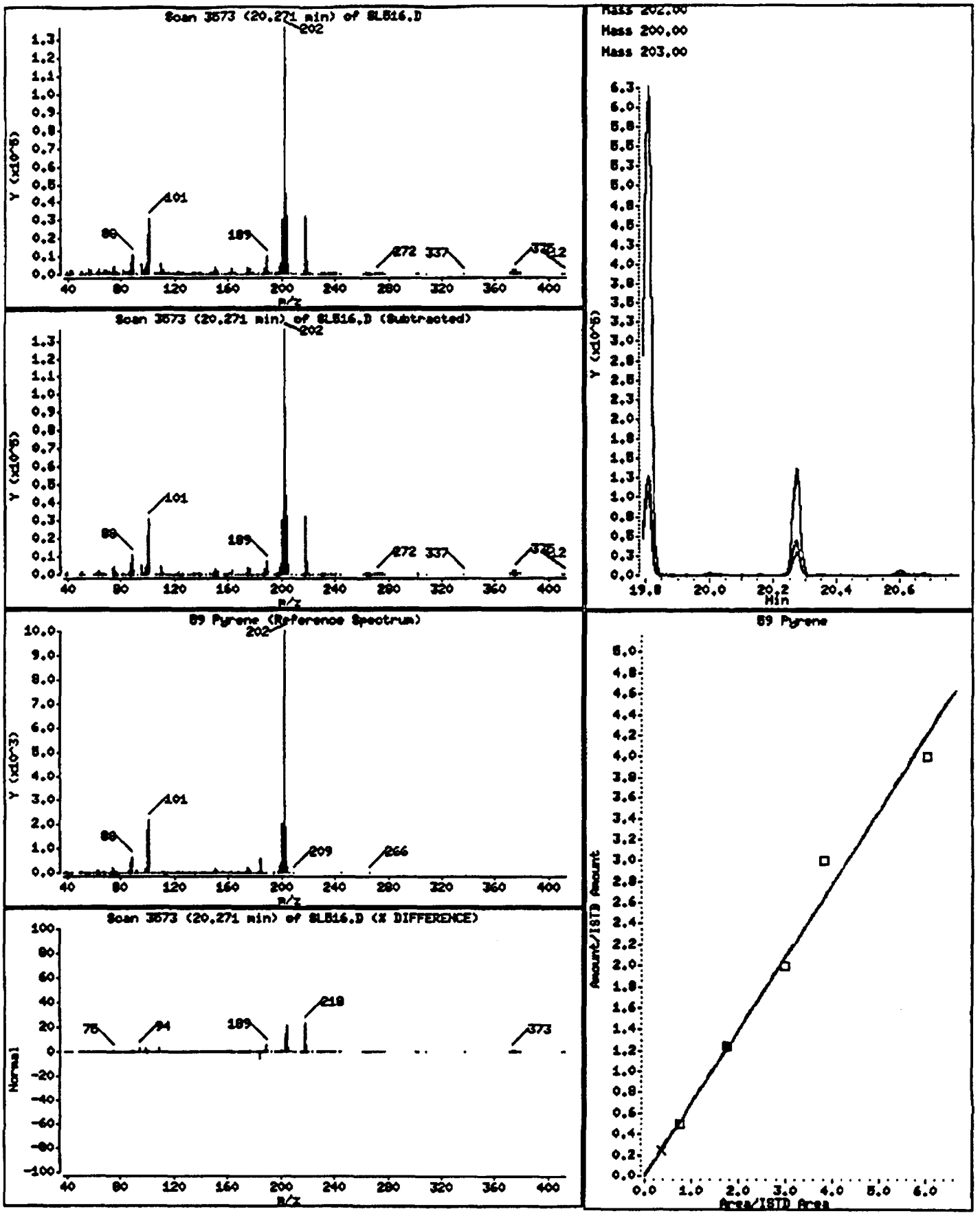
55 Anthracene



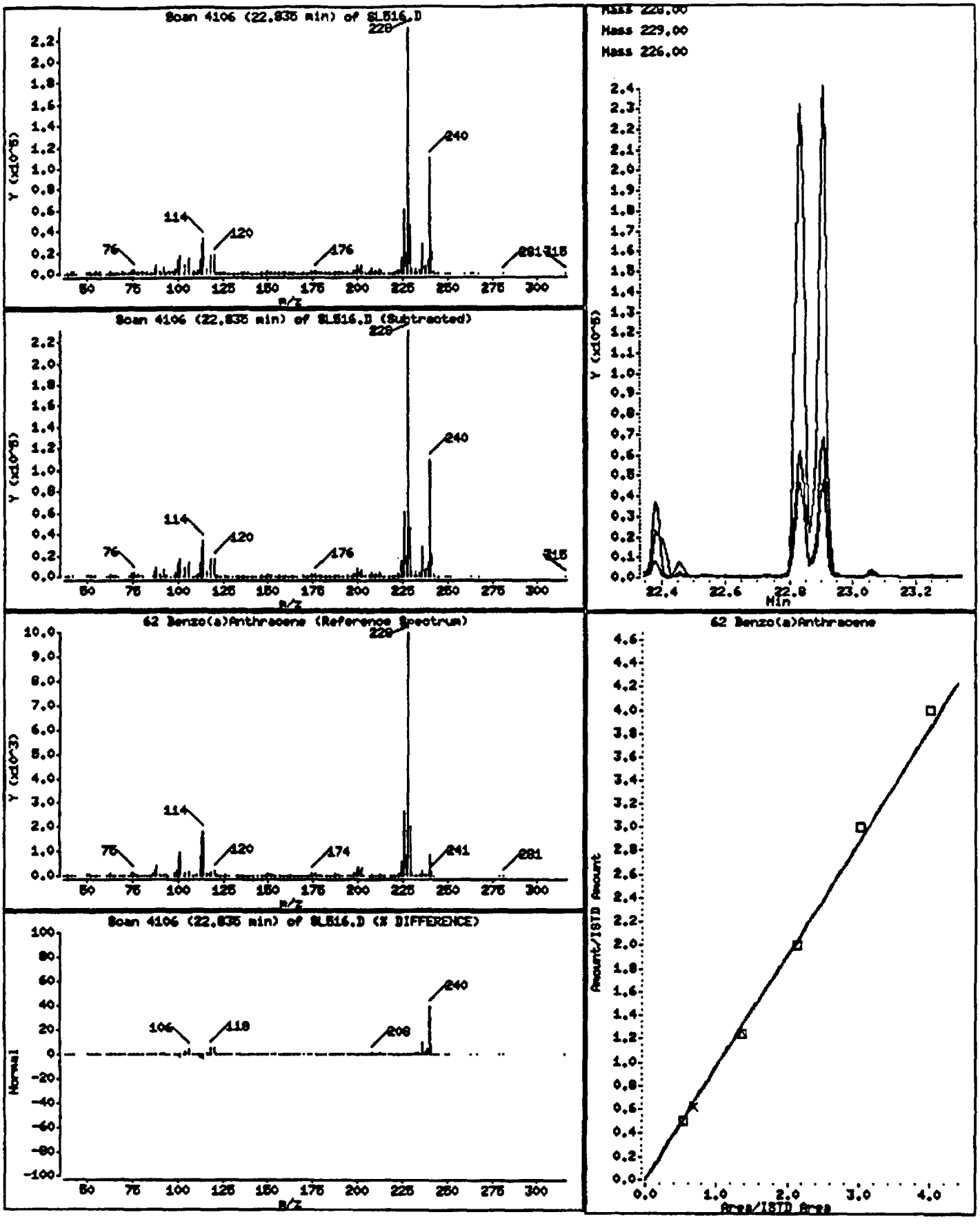
58 Fluoranthene



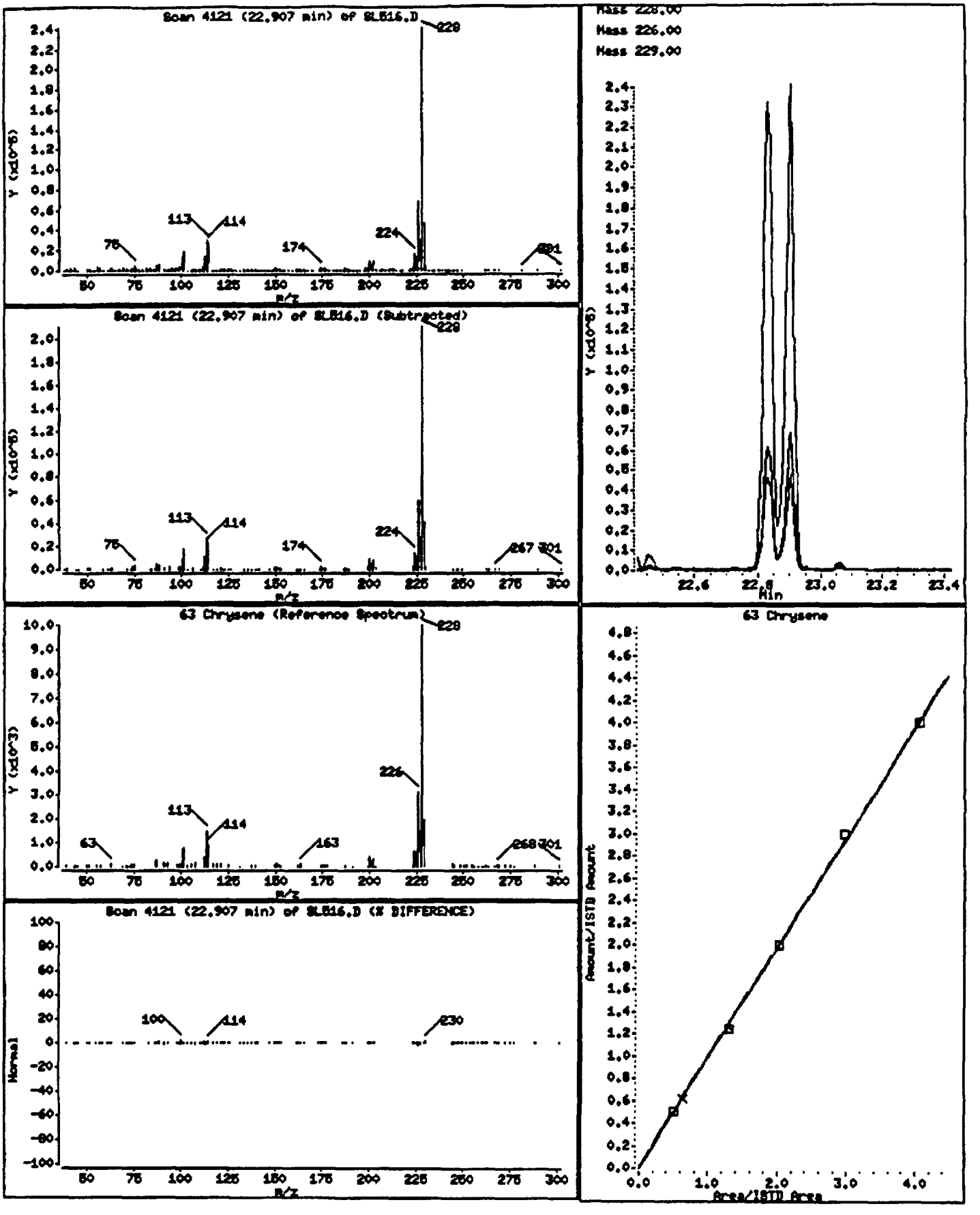
59 Pyrene


Scan 3573 (20.271 min) of SLB16.D
Scan 3573 (20.271 min) of SLB16.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3573 (20.271 min) of SLB16.D (% DIFFERENCE)
Mass 202.00
Mass 200.00
Mass 203.00
59 Pyrene
Y (x10^5)
Y (x10^3)
Normal
m/z
Min
Amount/ISTD Amount
Area/ISTD Area

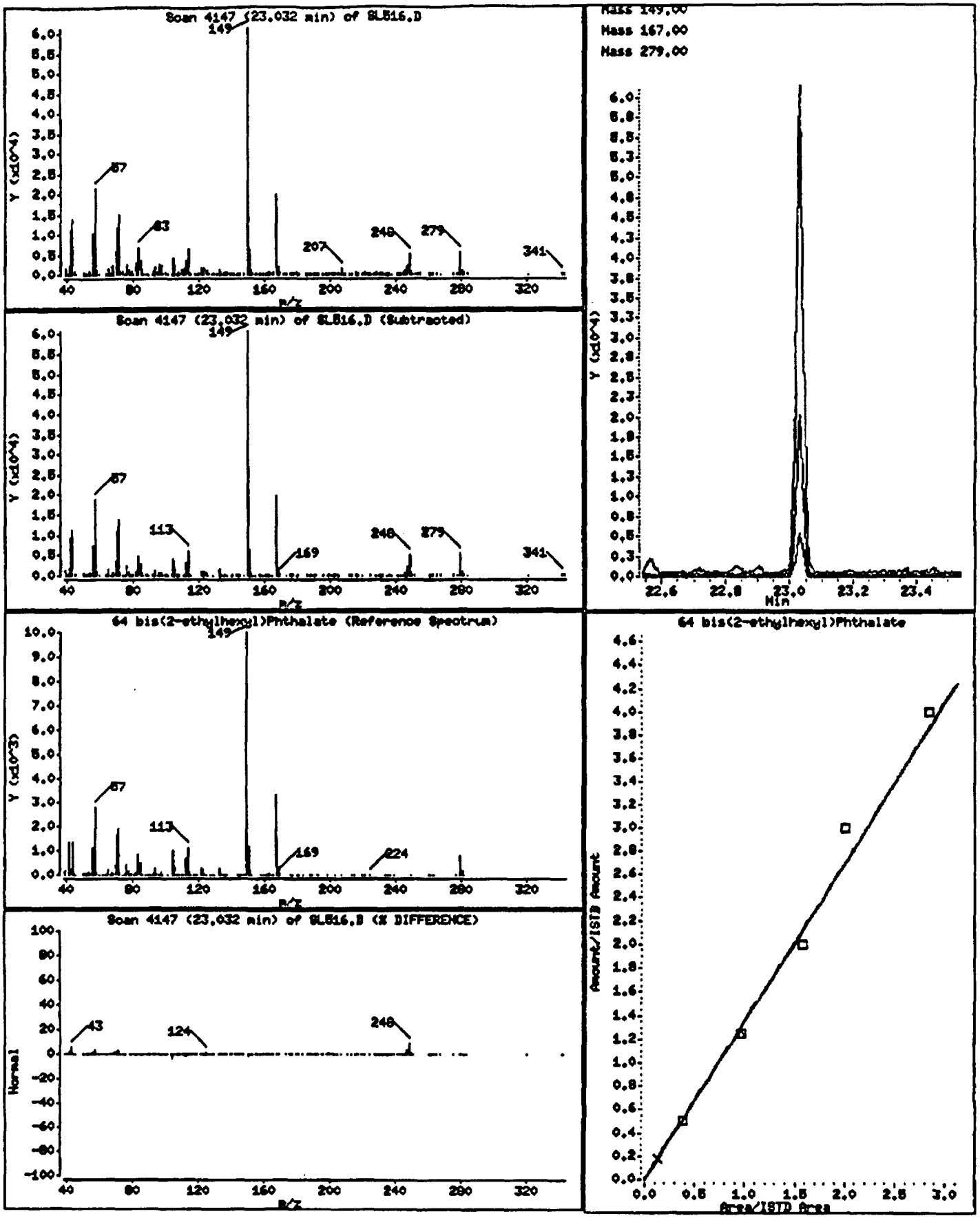
62 Benzo(a)Anthracene



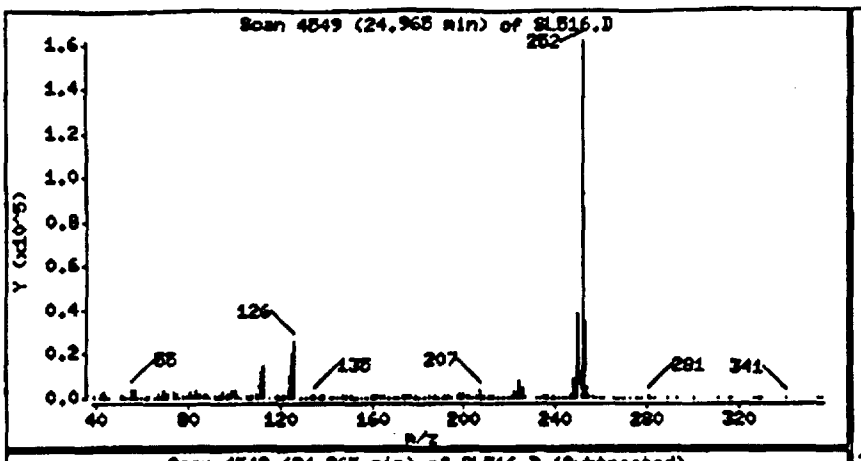
63 Chrysene

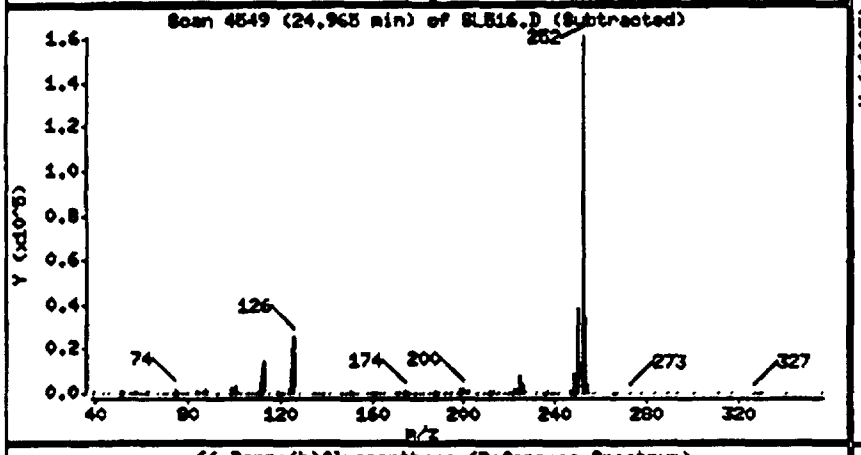

Scan 4121 (22.907 min) of SL516.D
Scan 4121 (22.907 min) of SL516.D (Subtracted)
63 Chrysene (Reference Spectrum)
Scan 4121 (22.907 min) of SL516.D (% DIFFERENCE)
Mass 228.00
Mass 226.00
Mass 229.00
63 Chrysene
Y (x10^5)
Y (x10^3)
Normal
M/Z
Min
Amount/ISTD Amount
Area/ISTD Area

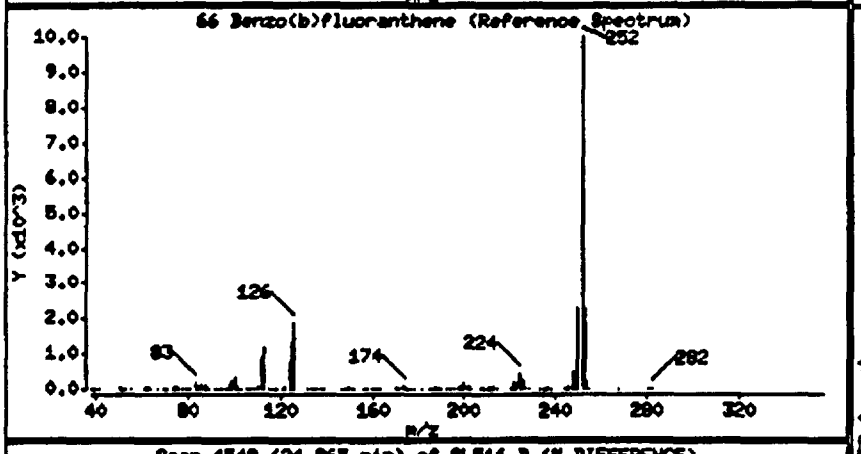
64 bis(2-ethylhexyl)Phthalate

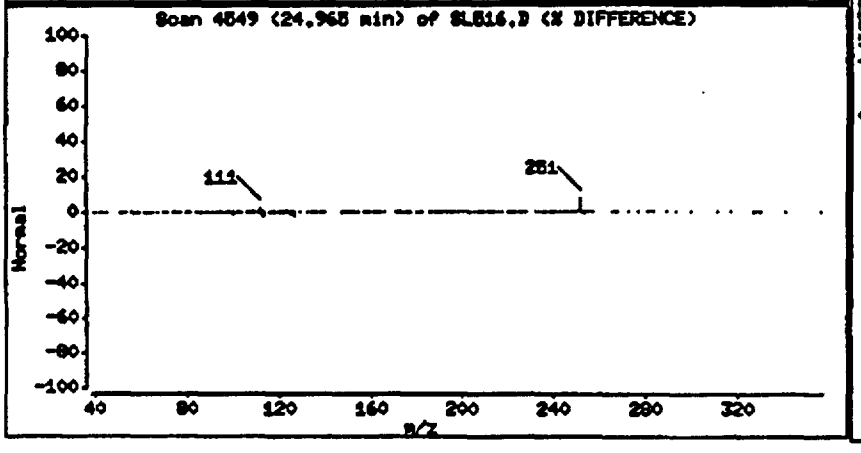


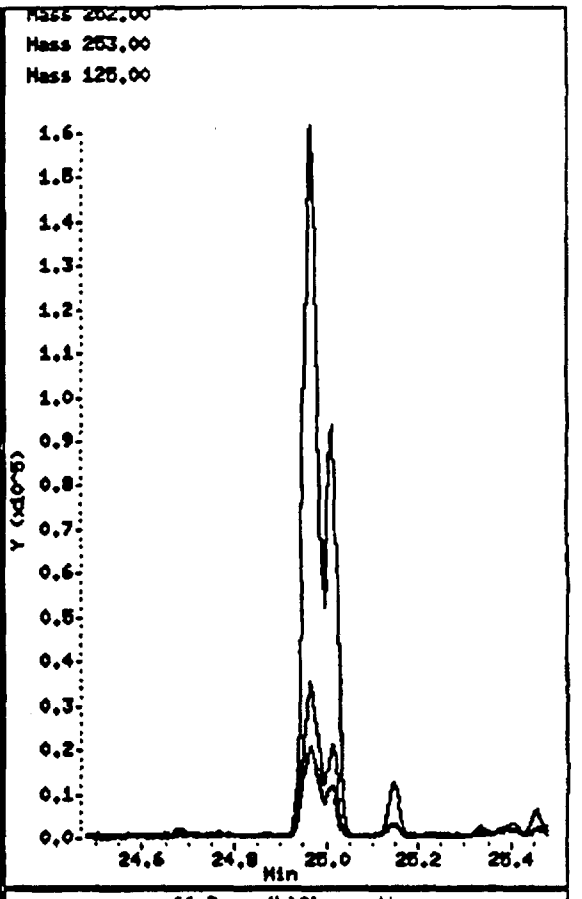
66 Benzo(b)fluoranthene

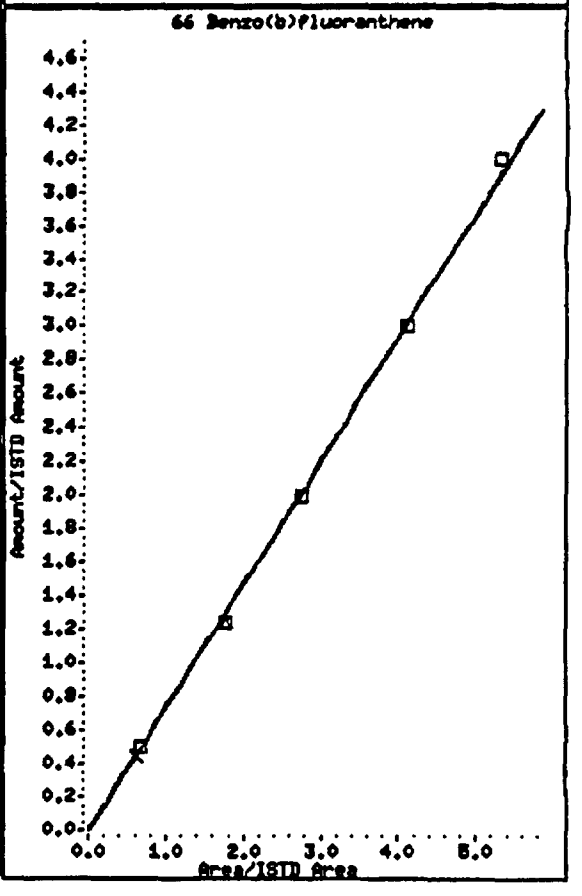




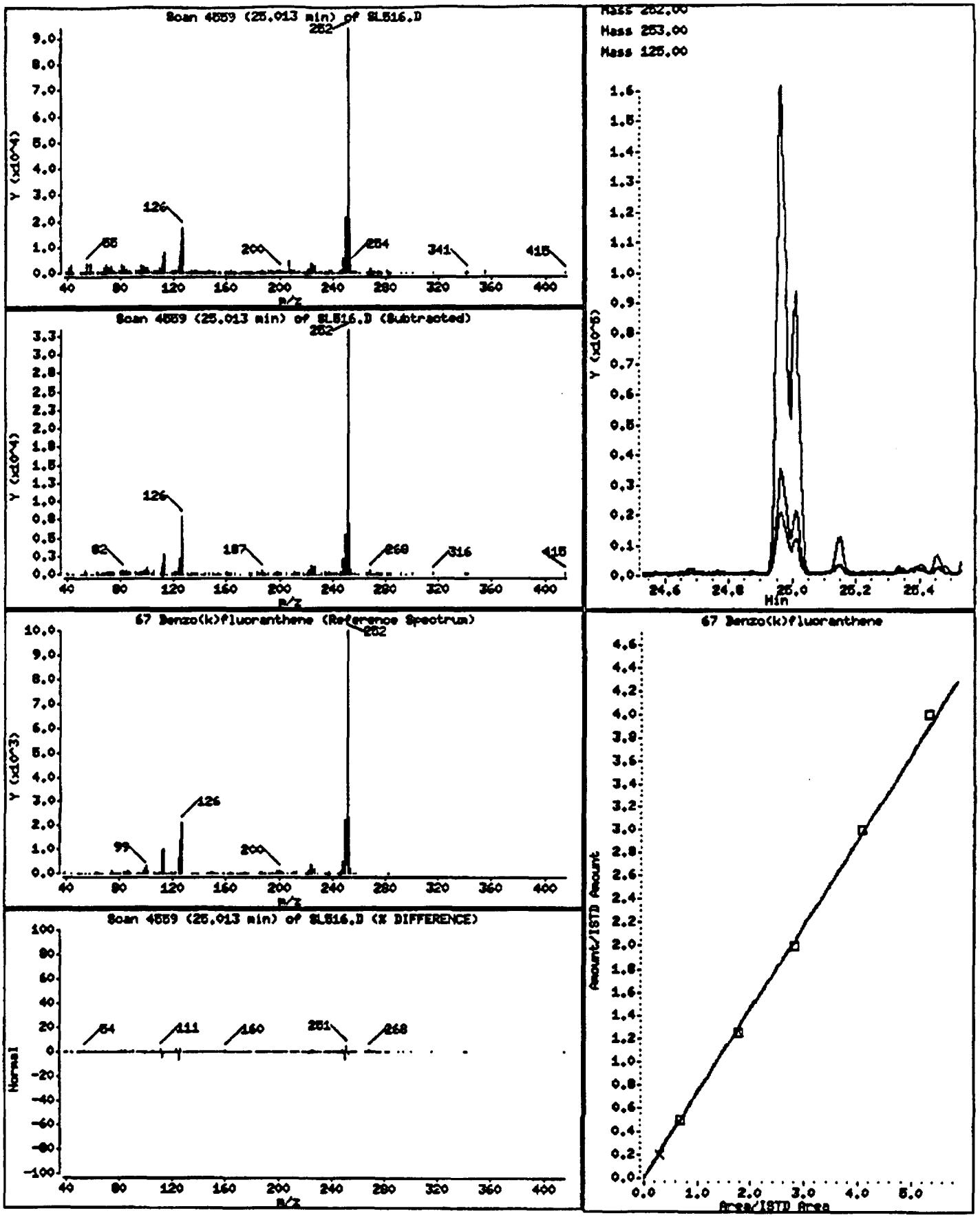




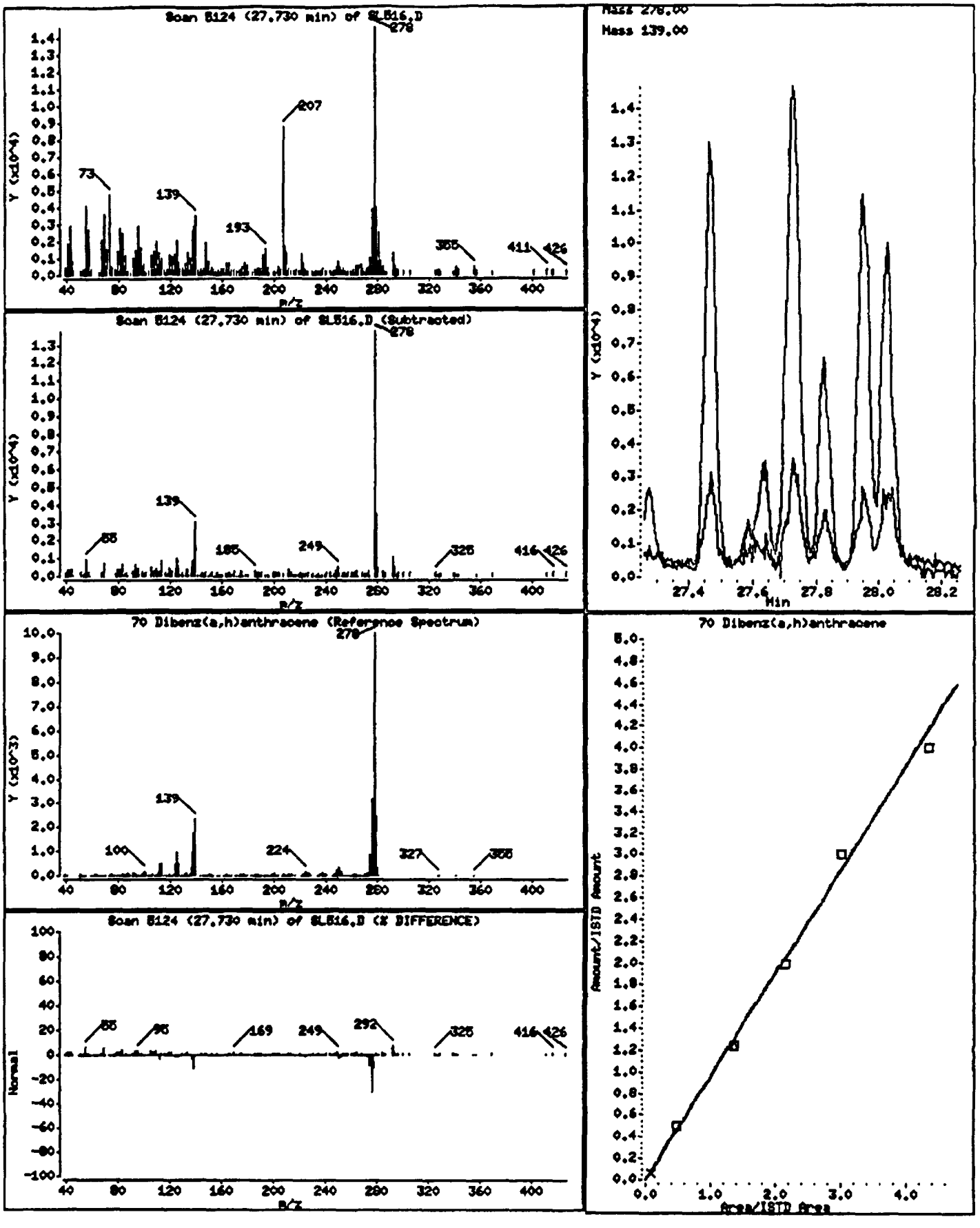




67 Benzo(k)fluoranthene



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(NG)	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: \\qpanch05\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

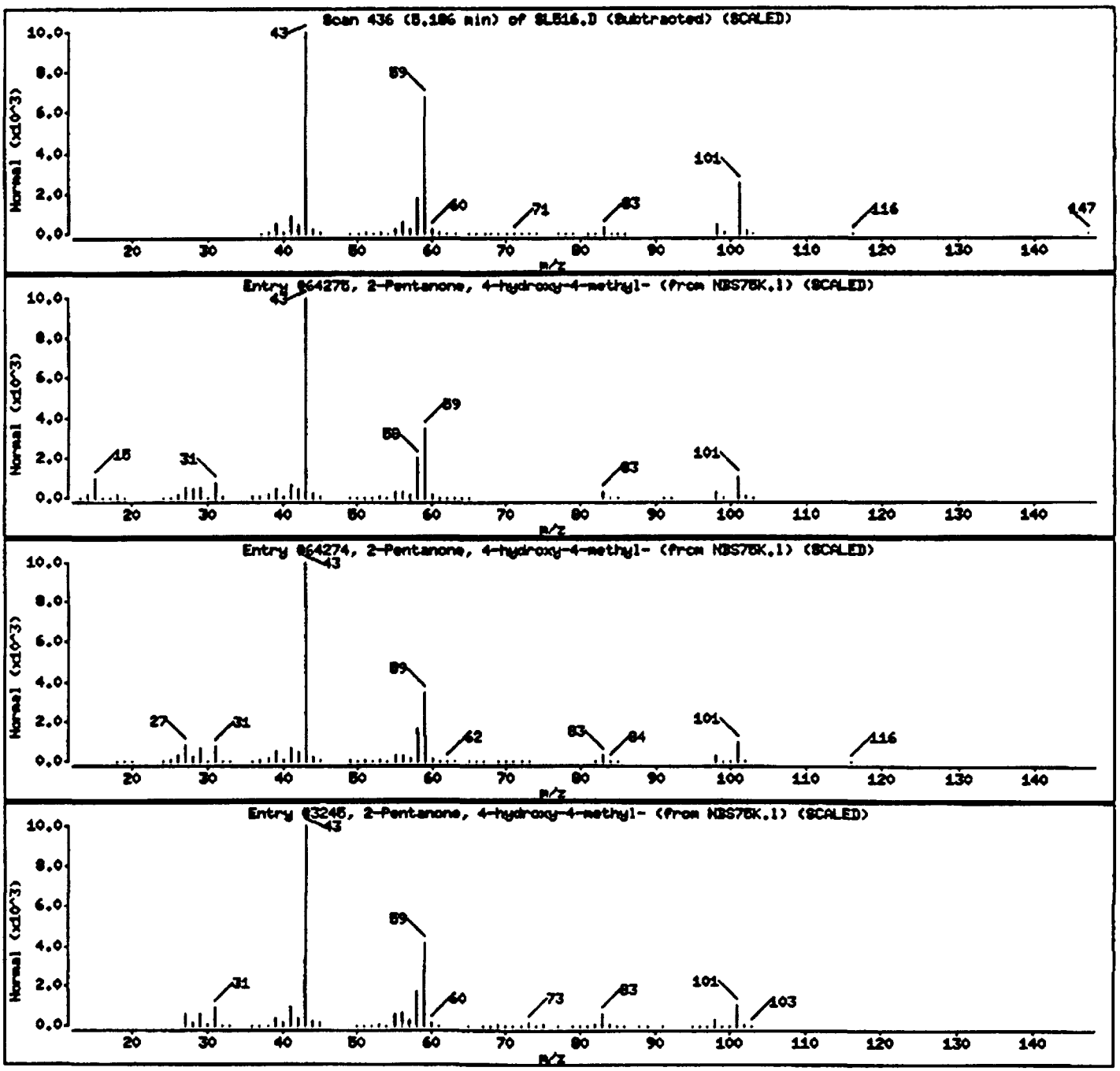
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64275	47	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	39	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	3245	33	C6H12O2	116



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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

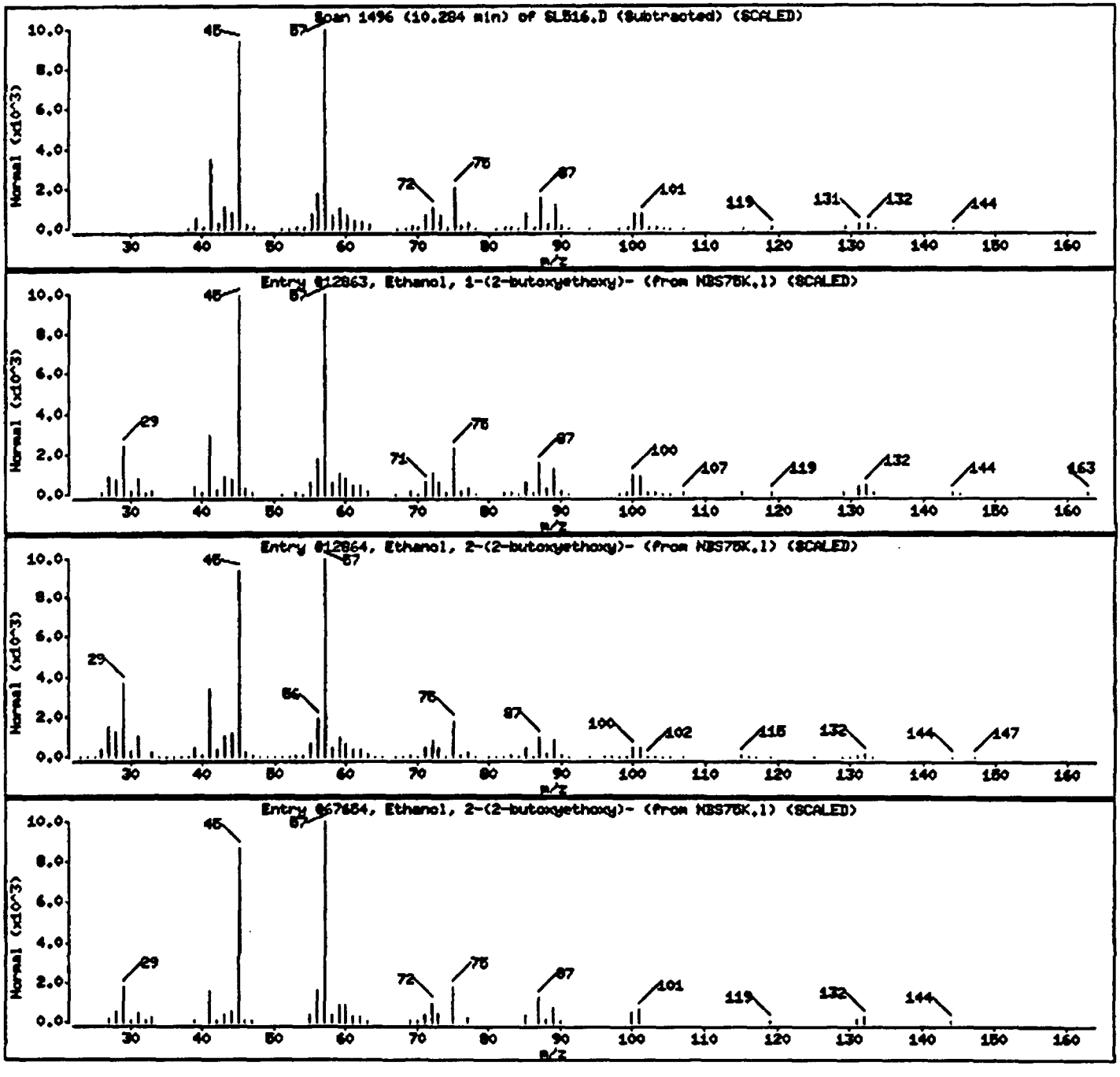
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.l	12863	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	12864	90	C8H18O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	67654	53	C8H18O3	162



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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

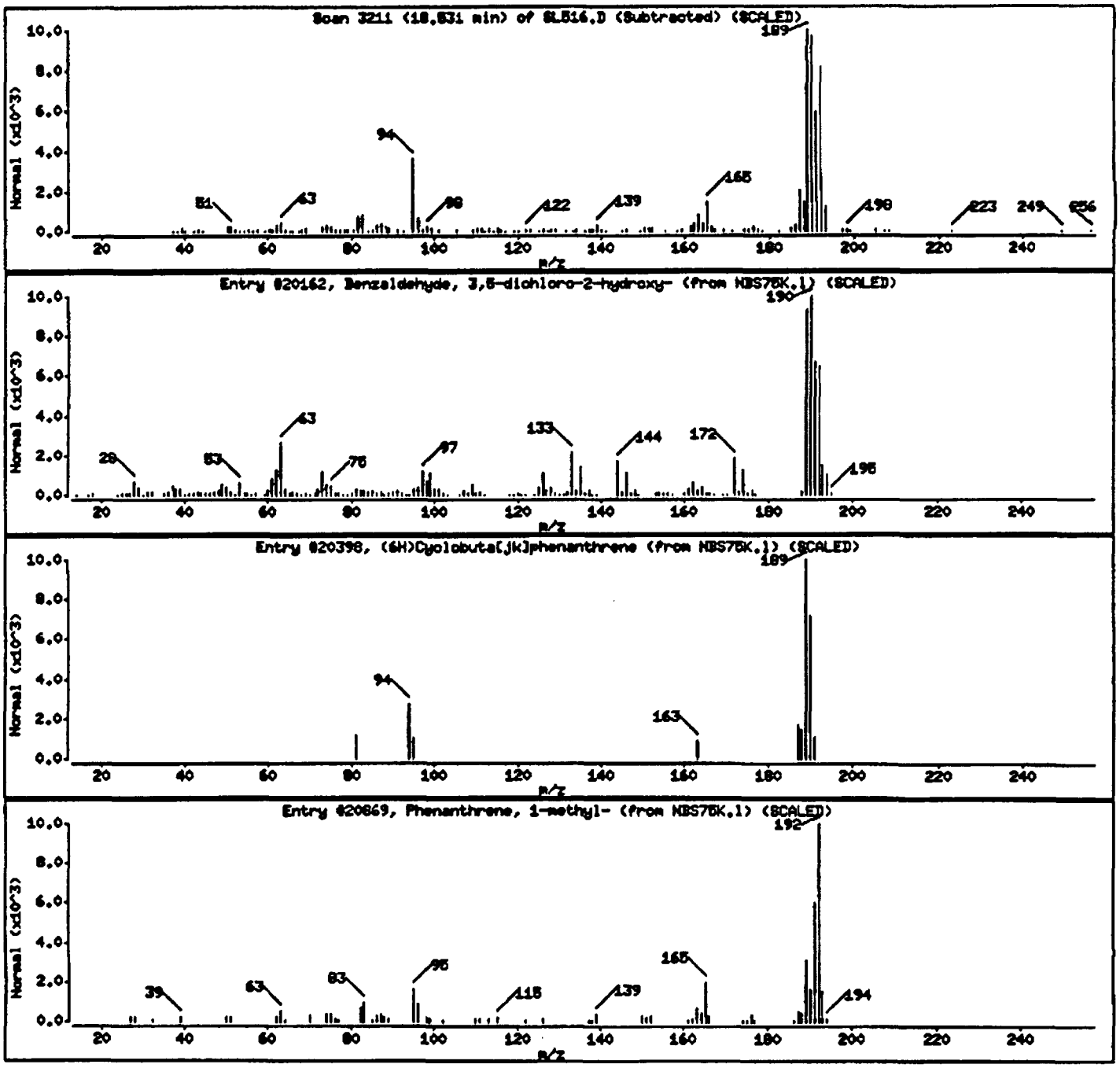
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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



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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

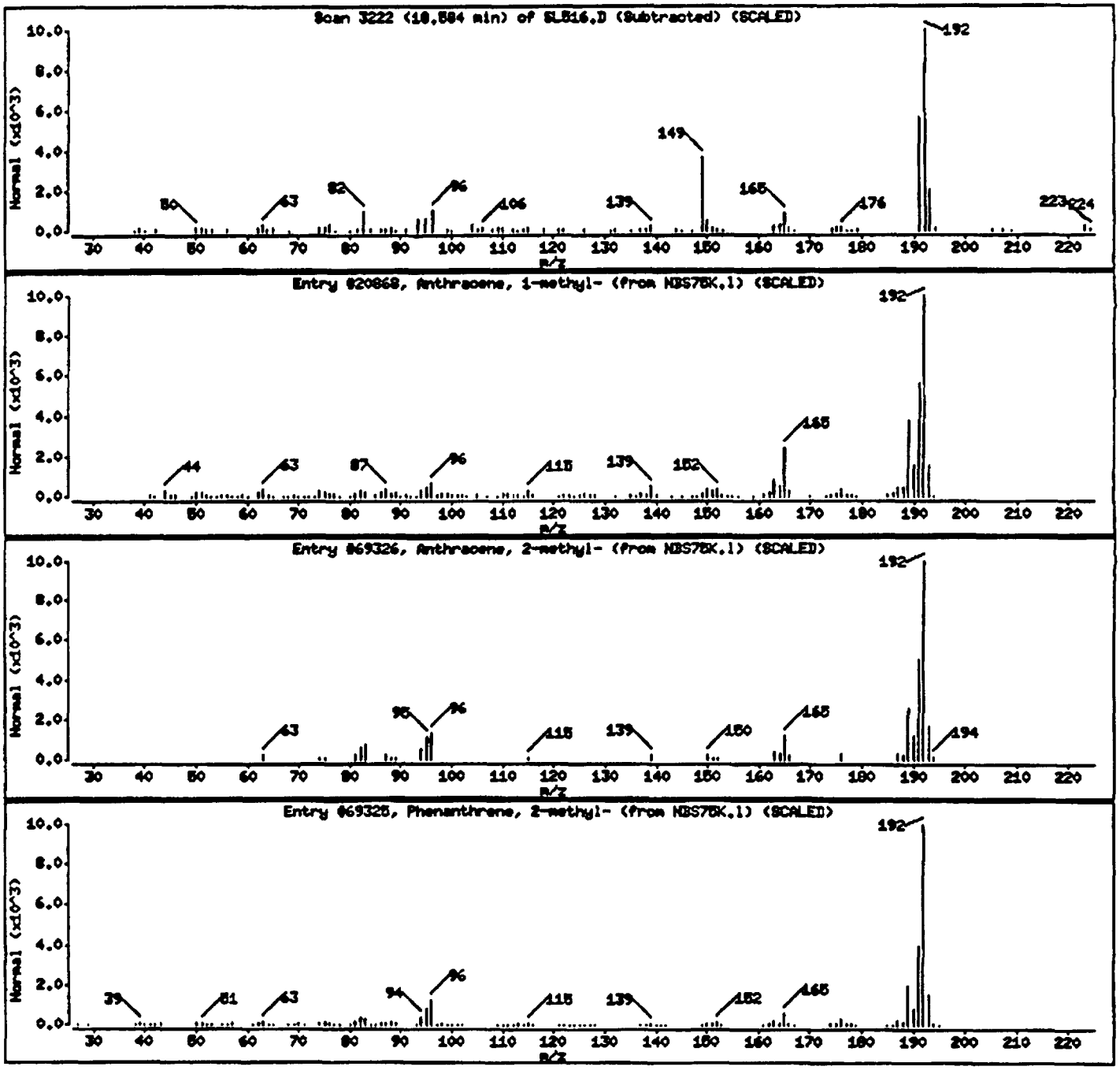
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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

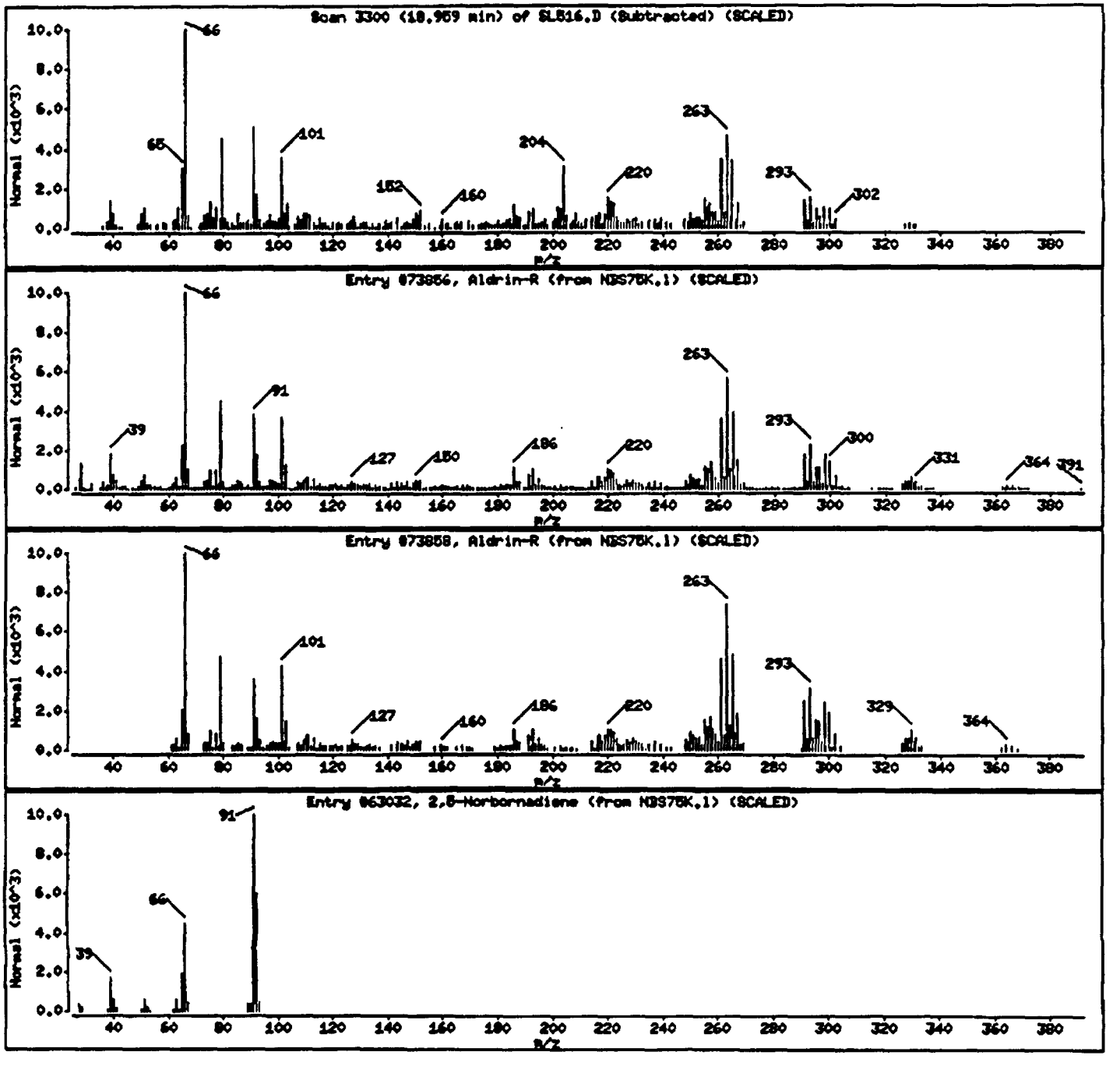
Volume Injected (uL): 2.0

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.1	73856	91	C12H8Cl6	362
Aldrin-R	309-00-2	NBS75K.1	73858	90	C12H8Cl6	362
2,5-Norbornadiene	121-46-0	NBS75K.1	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,clp31,1-clp90.sub

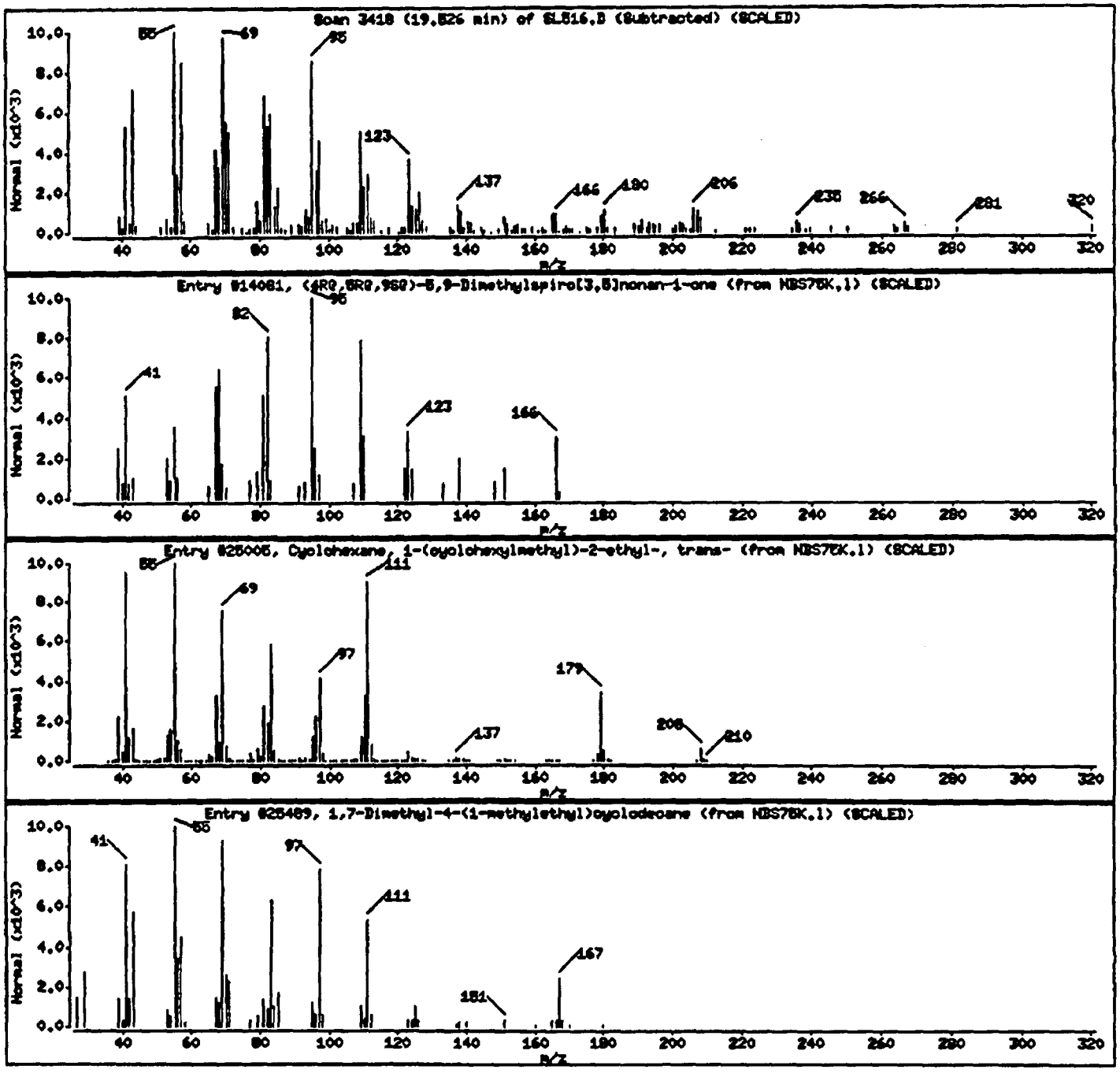
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
(4R0,5R0,9S0)-5,9-Dimethylspiro[3.5]nona	0-00-0	NBS75K.1	14081	46	C11H180	166
Cyclohexane, 1-(cyclohexylmethyl)-2-ethy	54934-92-8	NBS75K.1	25005	41	C15H28	208
1,7-Dimethyl-4-(1-methylethyl)cyclodecan	645-10-3	NBS75K.1	25489	27	C15H30	210



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,clp31,1-clp90.sub

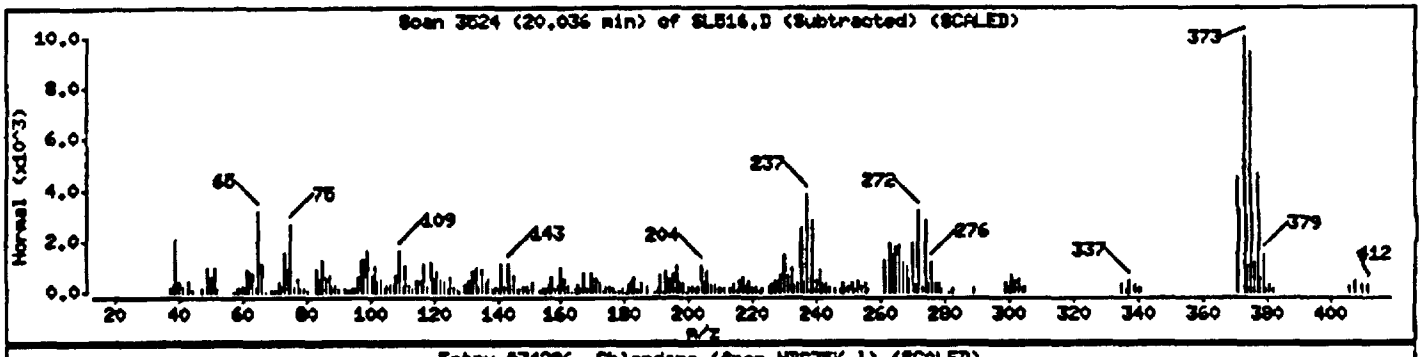
Volume Injected (uL): 2.0

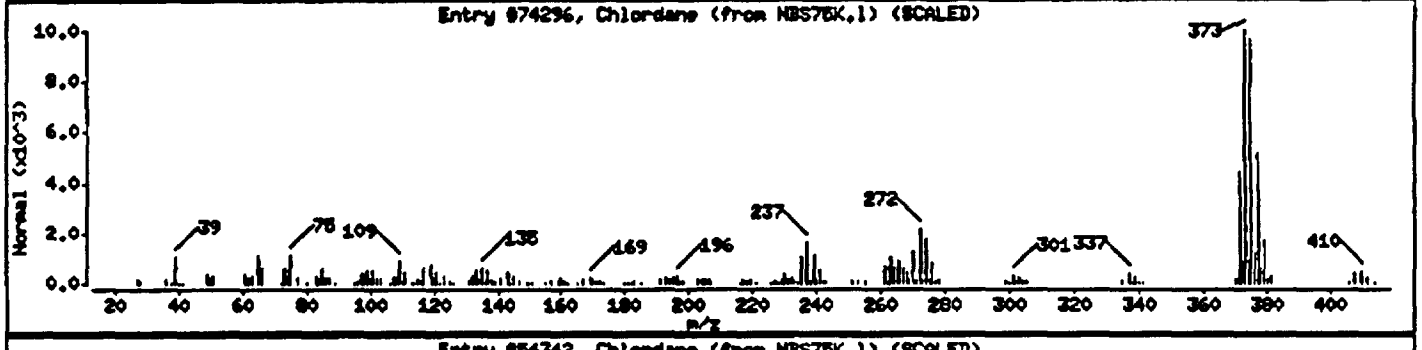
Operator: 001574

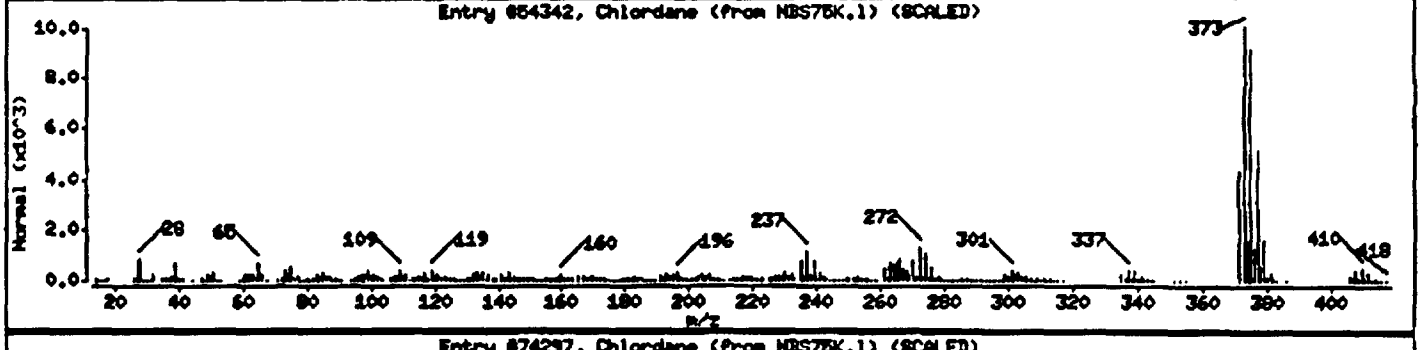
Column phase:

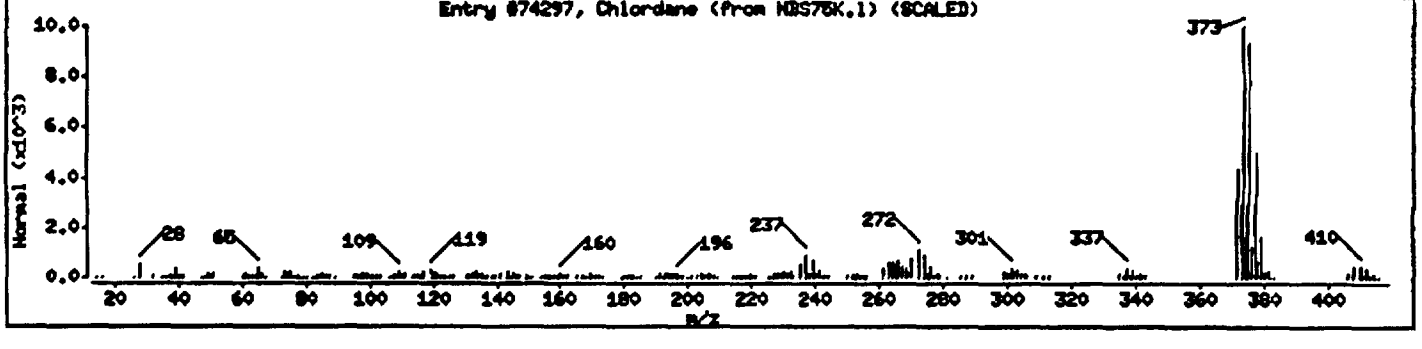
Column diameter: 2.00

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









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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

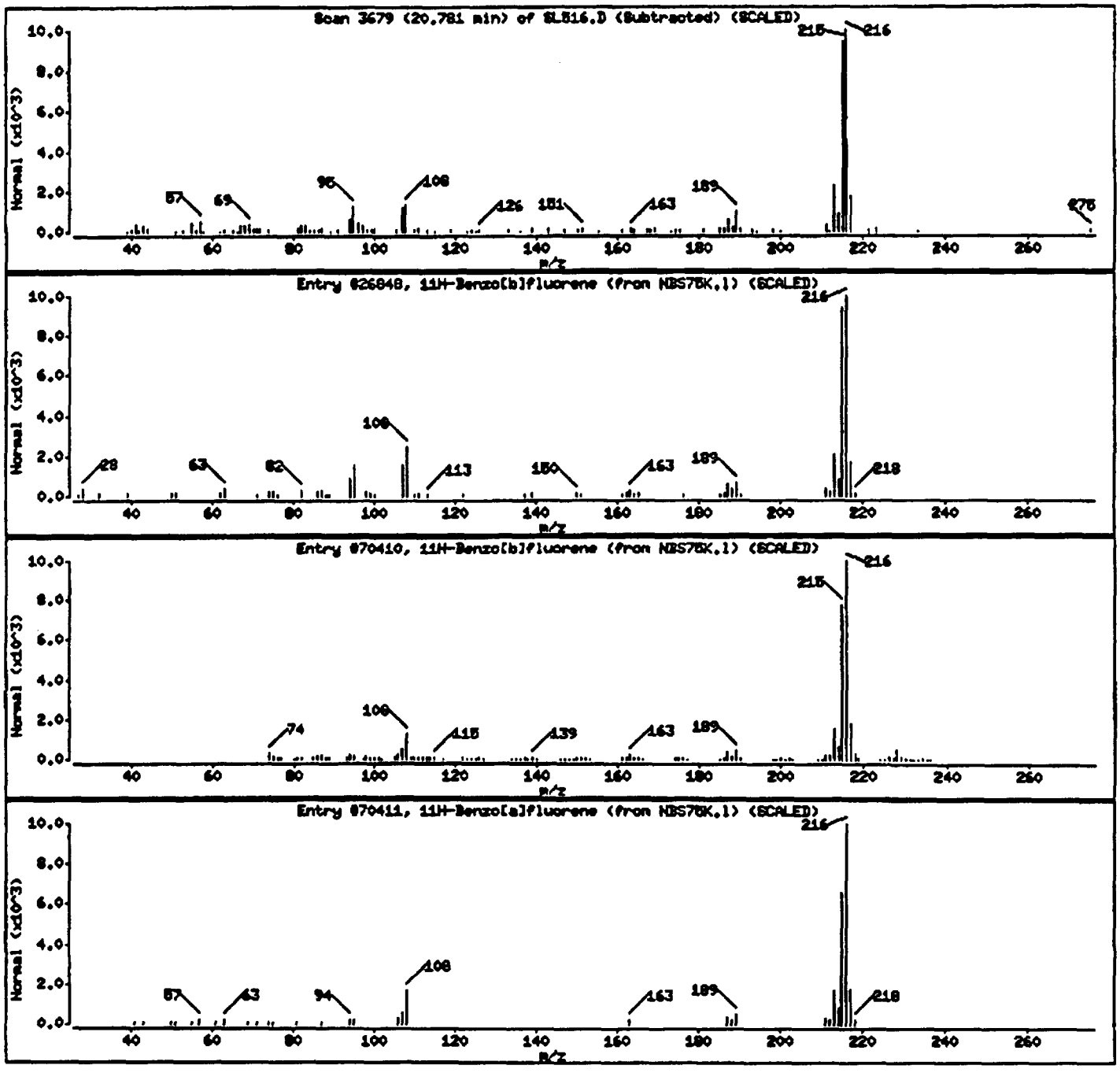
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

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



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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

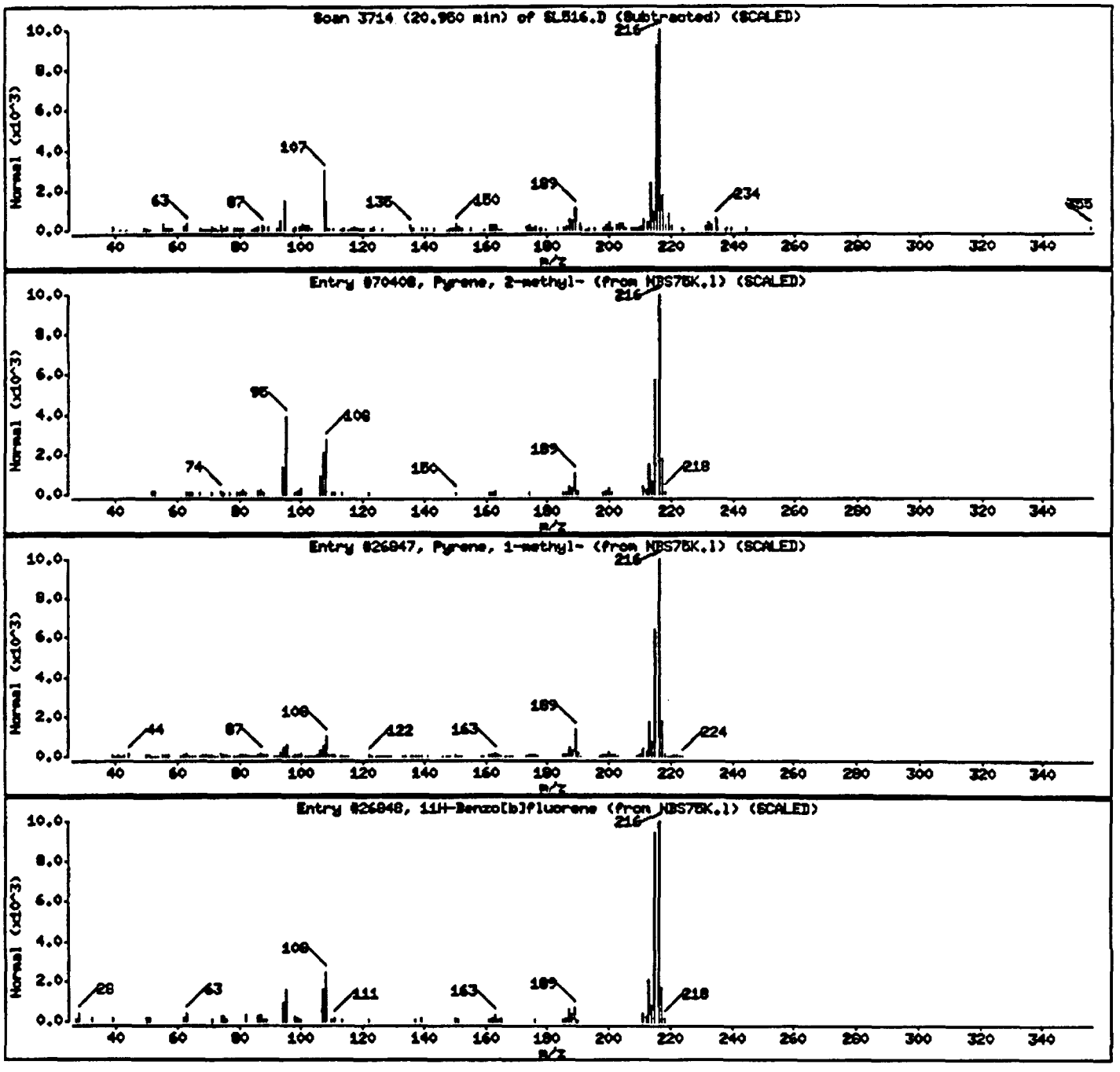
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Pyrene, 2-methyl-	3442-78-2	NBS75K.l	70408	96	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NBS75K.l	26947	93	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NBS75K.l	26948	90	C17H12	216



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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

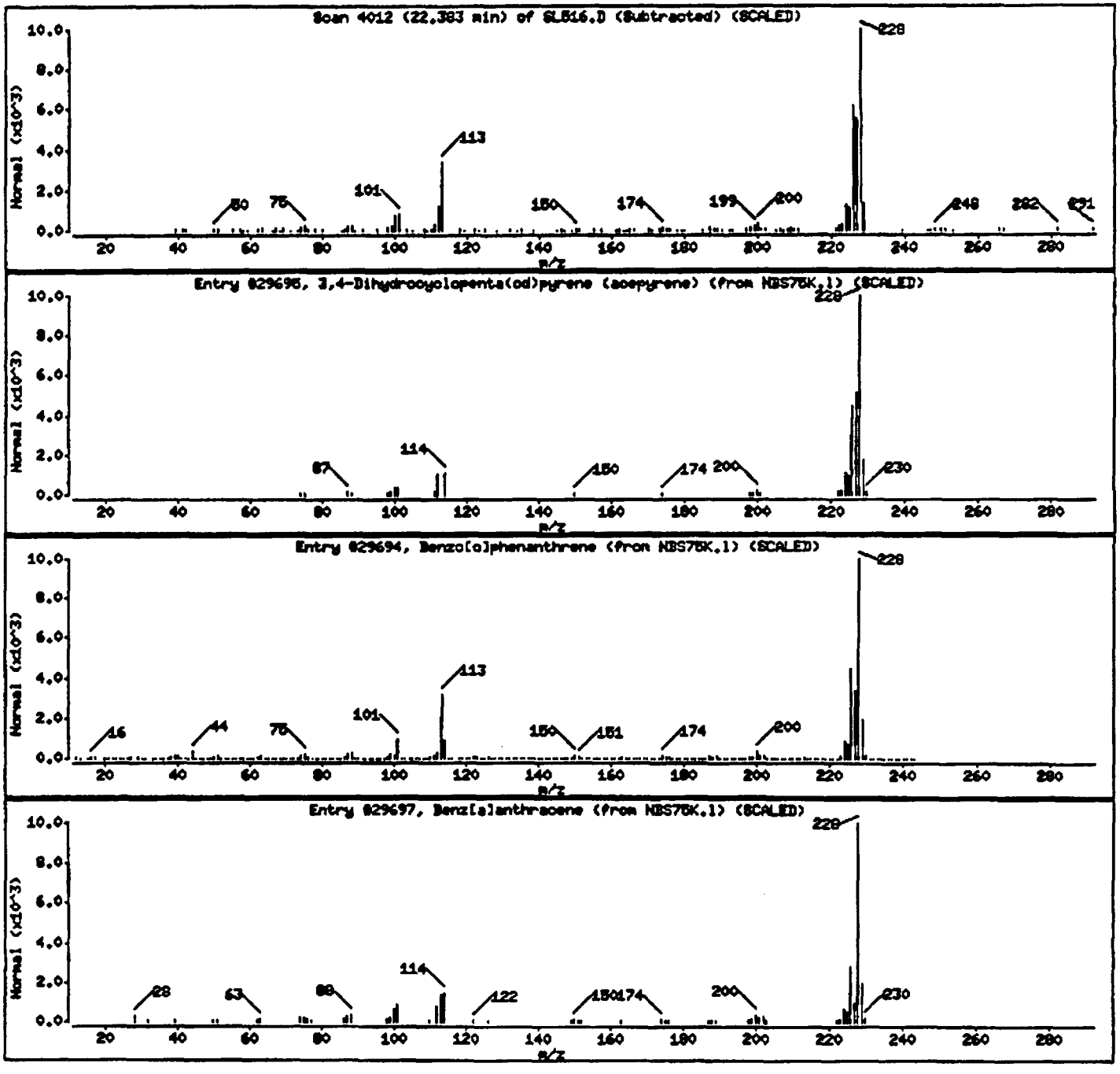
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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



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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

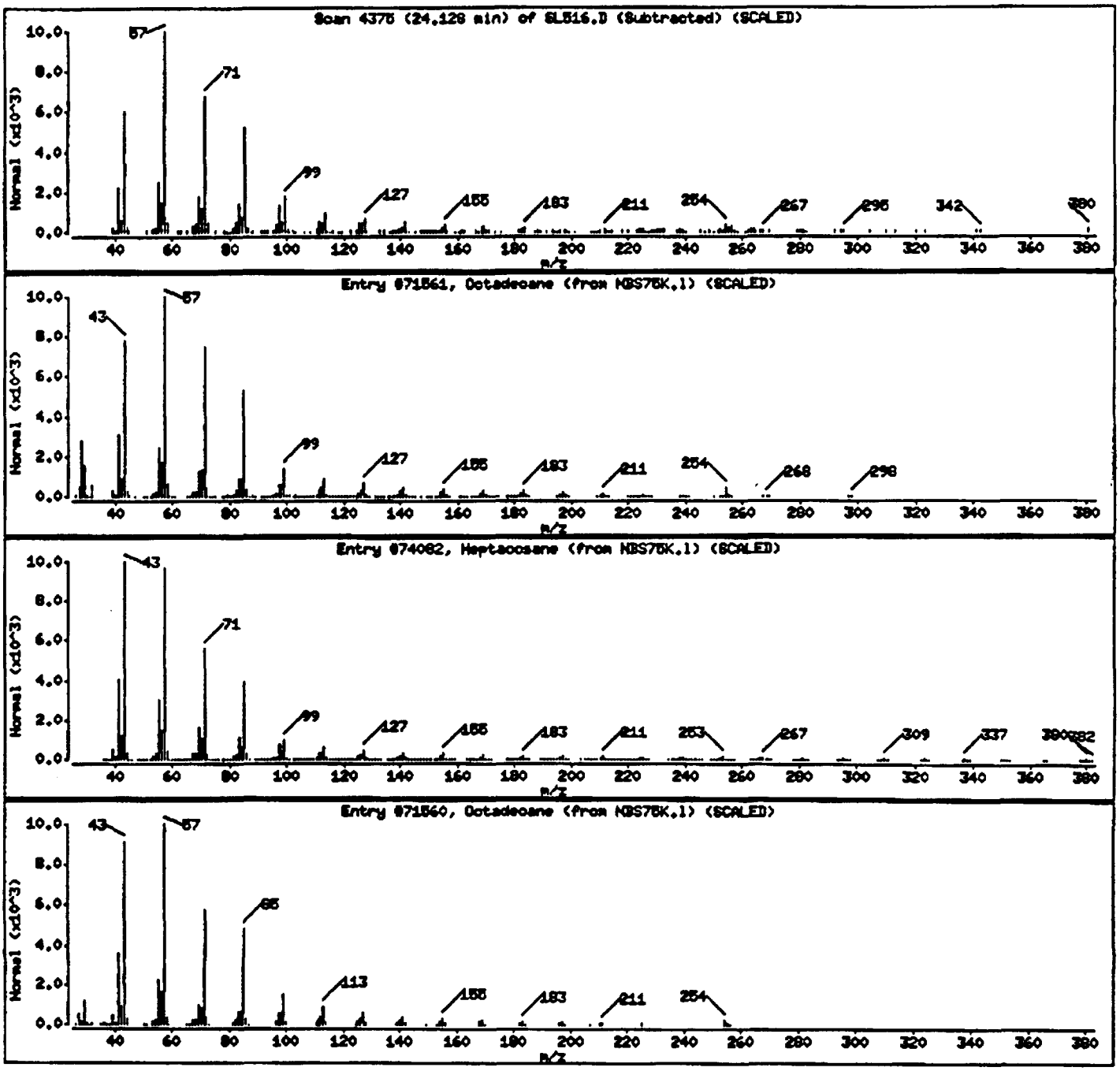
Volume Injected (uL): 2.0

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	96	C18H38	254
Heptacosane	593-49-7	NBS75K.1	74082	97	C27H56	380
Octadecane	593-45-3	NBS75K.1	71560	93	C18H38	254



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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

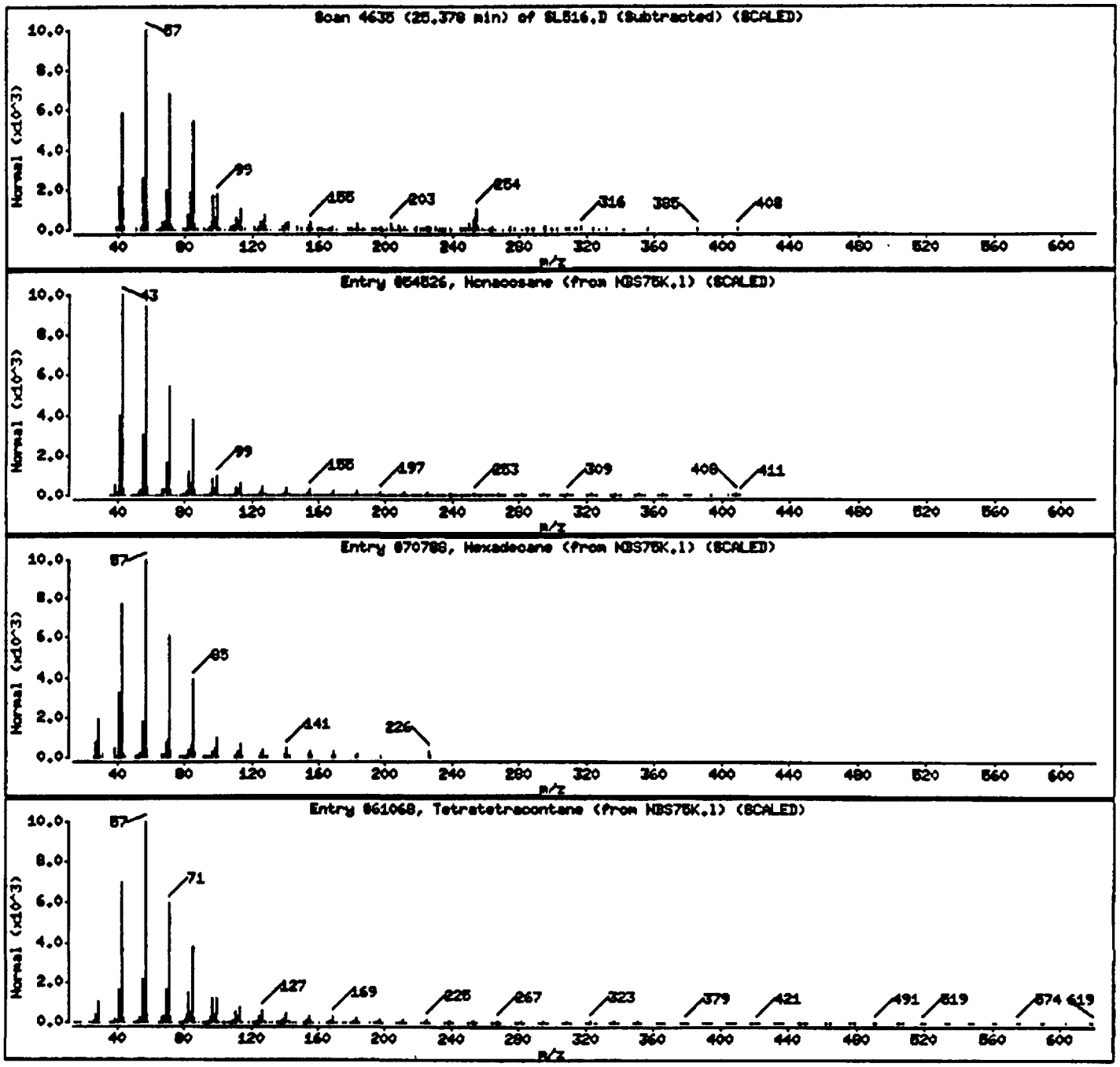
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonacosane	630-03-5	NBS75K.1	054526	93	C29H60	408
Hexadecane	544-76-3	NBS75K.1	070788	90	C16H34	226
Tetratetracontane	7098-22-8	NBS75K.1	061068	87	C44H90	619



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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

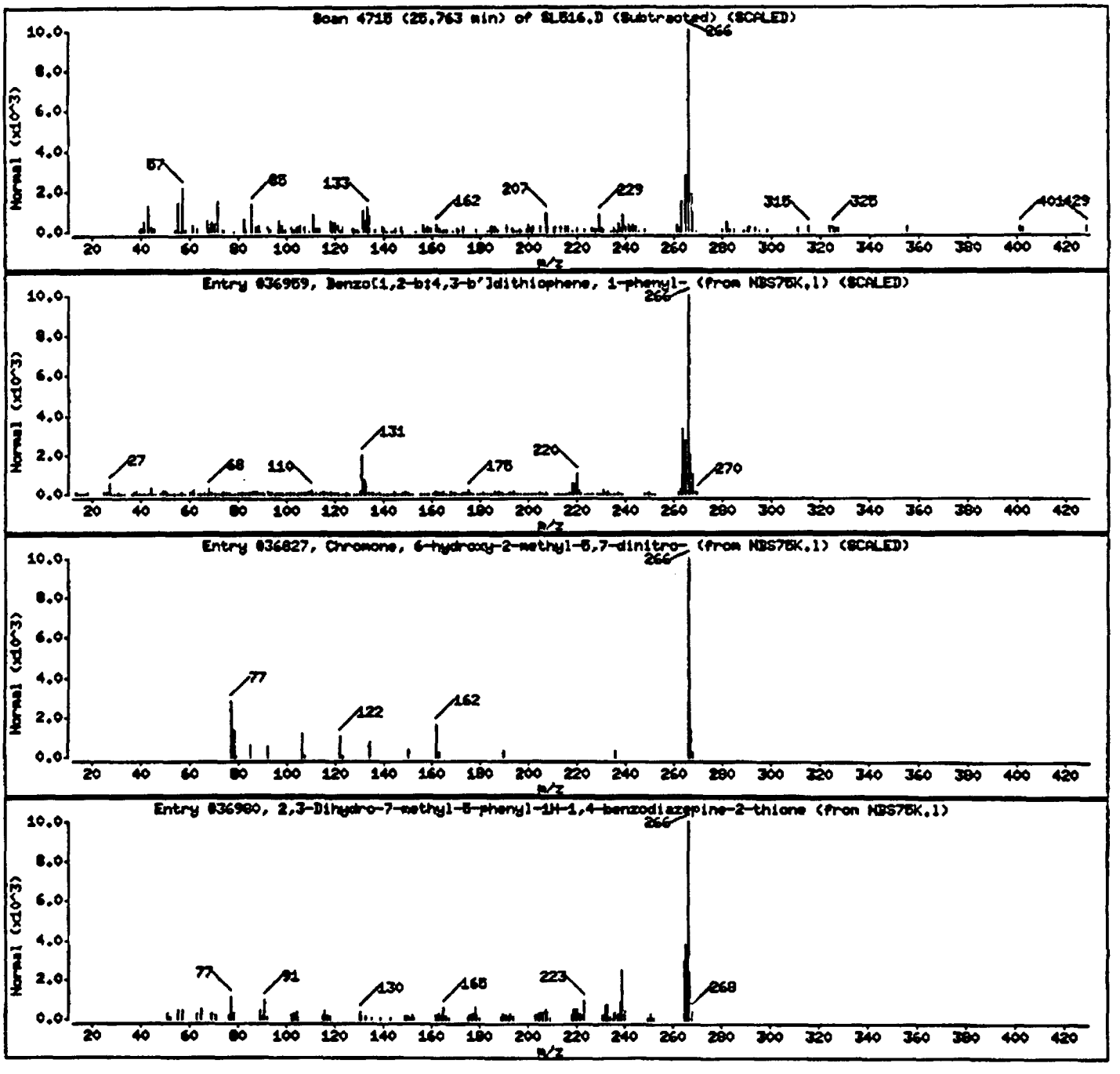
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzo[1,2-b:4,3-b']dithiophene, 1-phenyl	16587-88-9	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

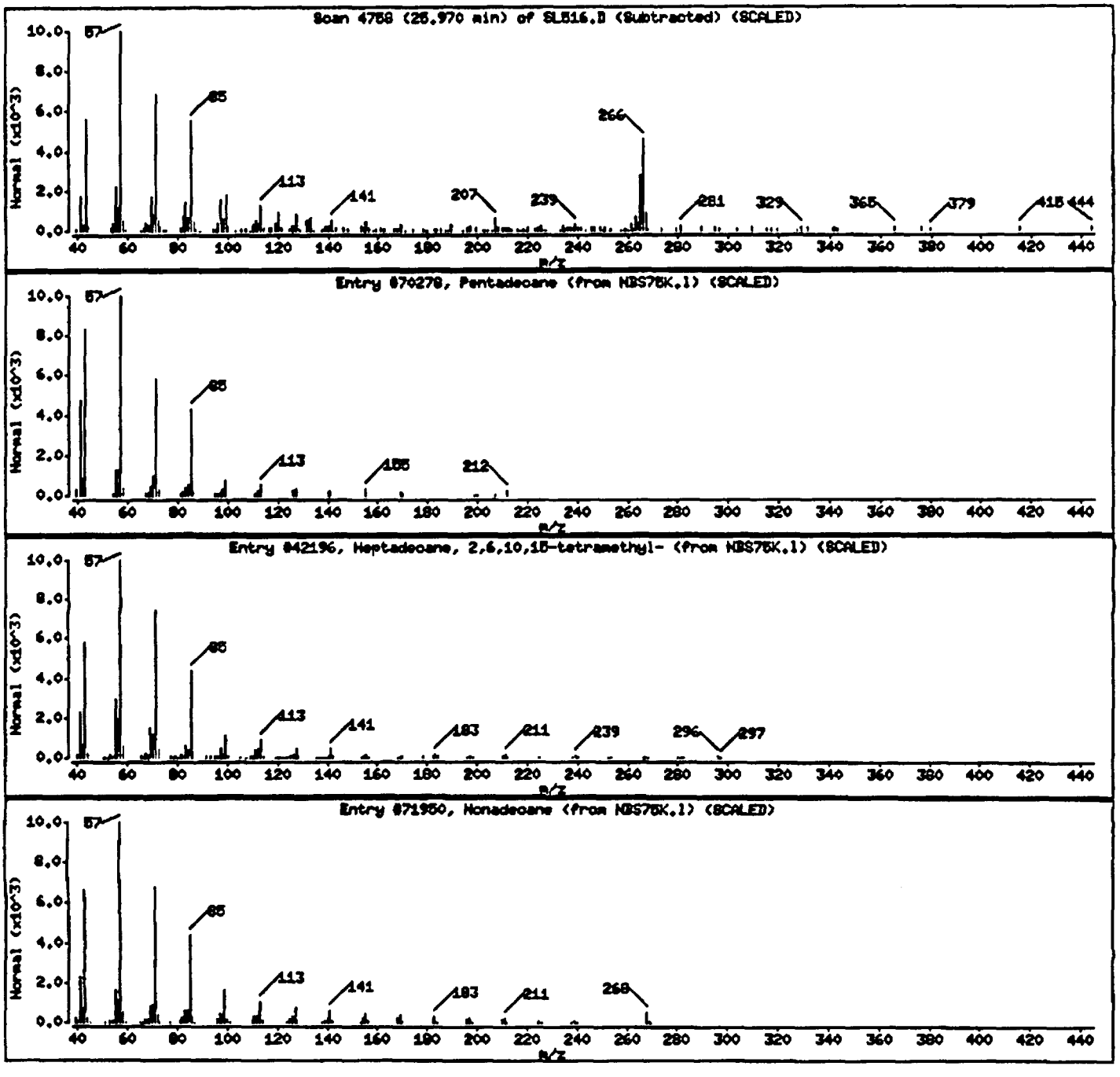
Volume Injected (uL): 2.0

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,clp31,1-clp90.sub

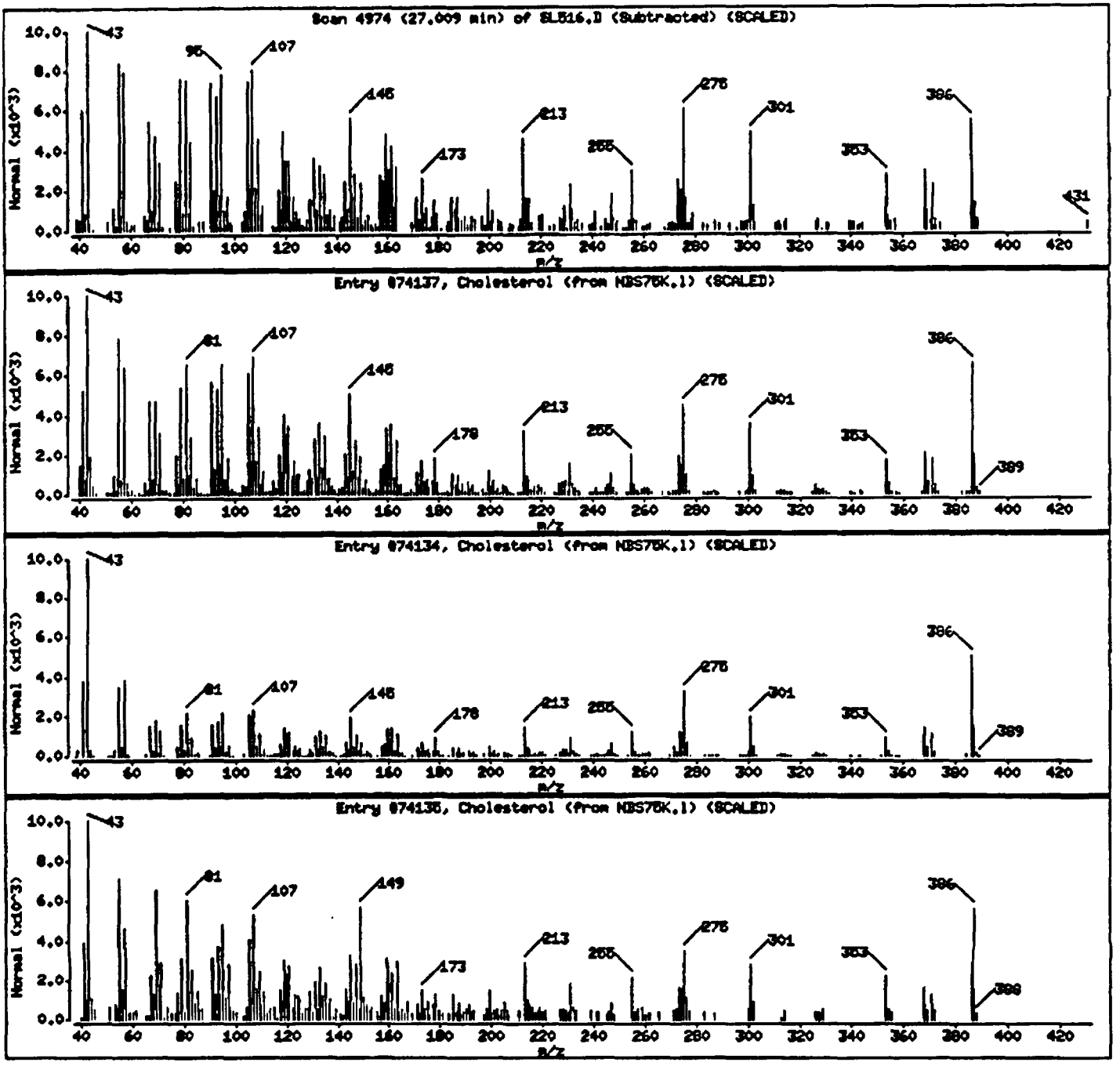
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.l	74137	96	C27H46O	386
Cholesterol	57-88-5	NBS75K.l	74134	94	C27H46O	386
Cholesterol	57-88-5	NBS75K.l	74135	90	C27H46O	386



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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

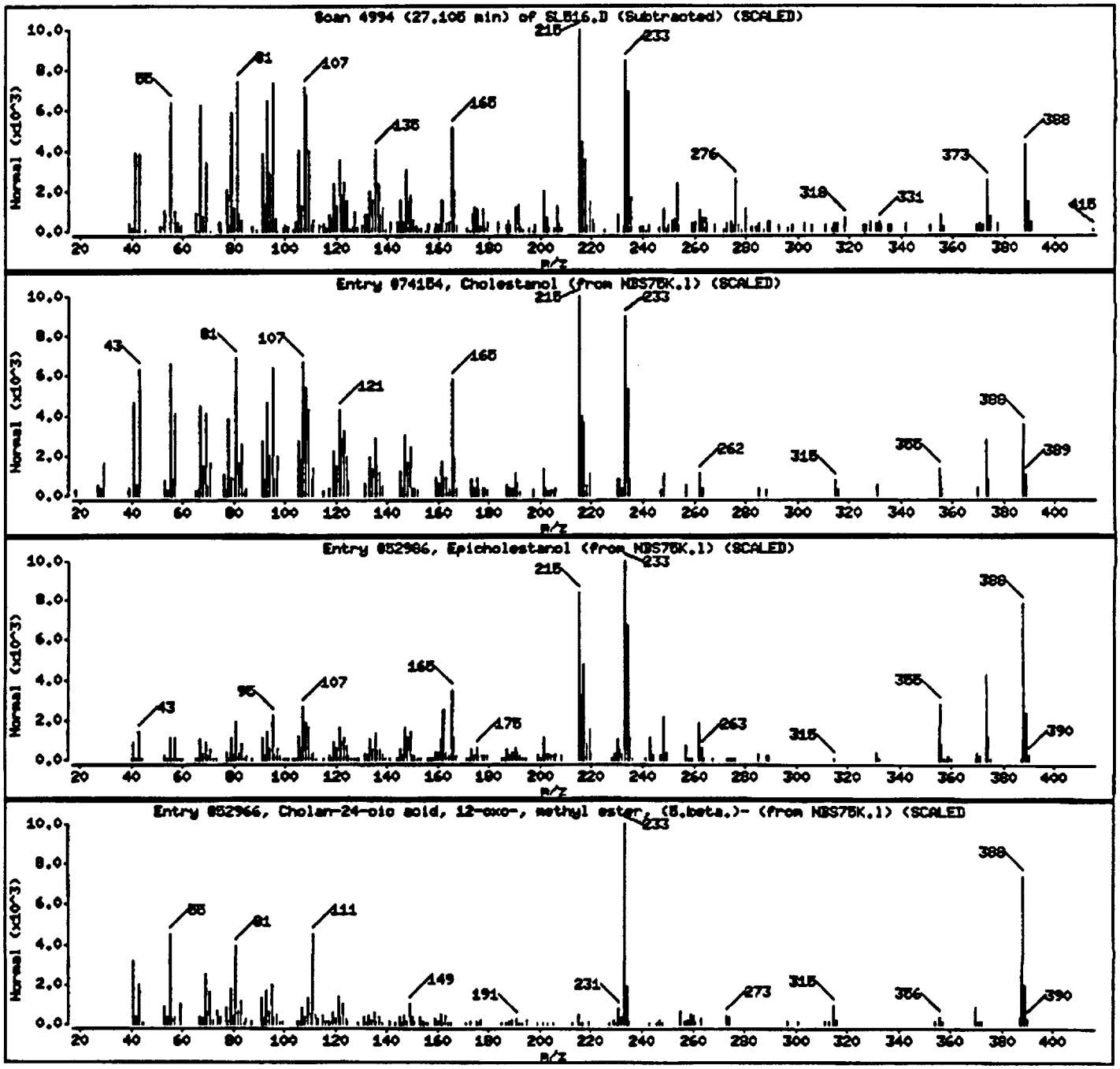
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cholestanol	80-97-7	NBS75K.l	74154	74	C27H480	388
Epicholestanol	516-96-0	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: s4hp8.i

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

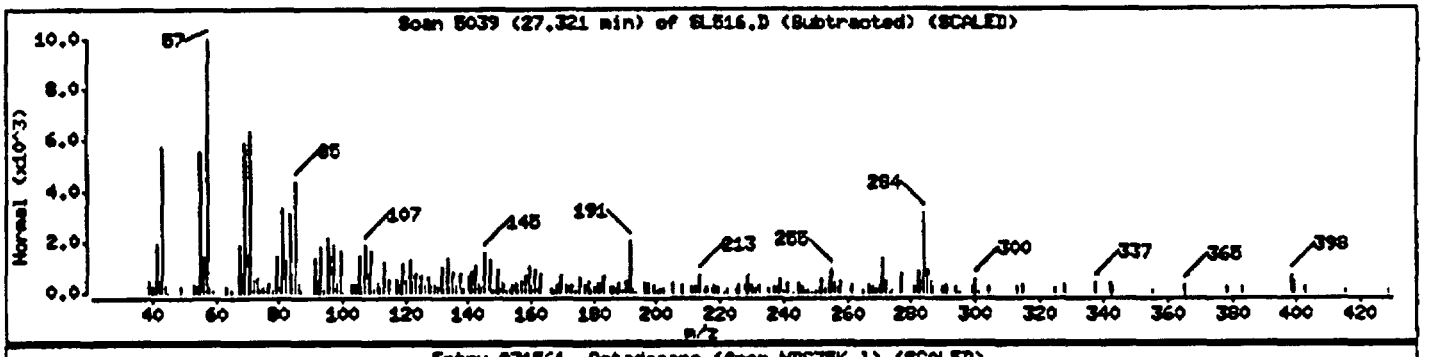
Volume Injected (uL): 2.0

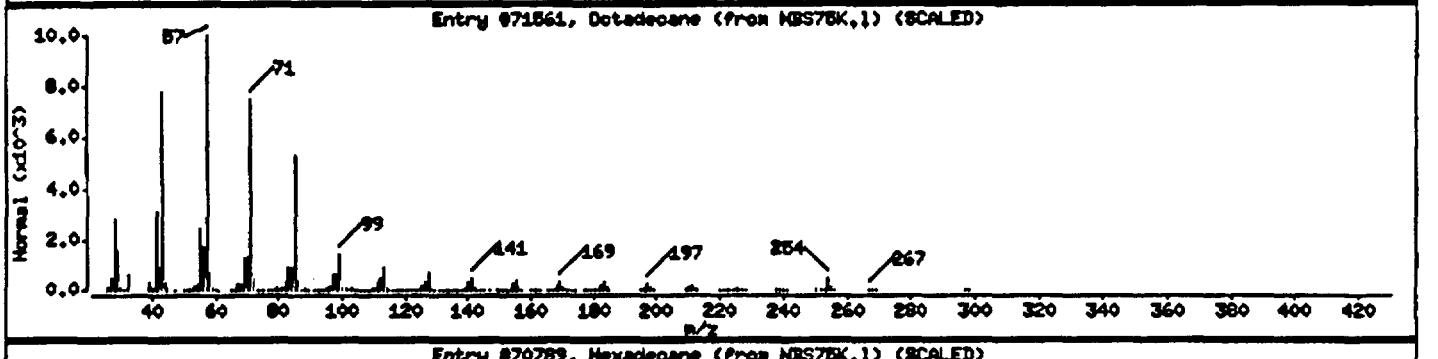
Operator: 001574

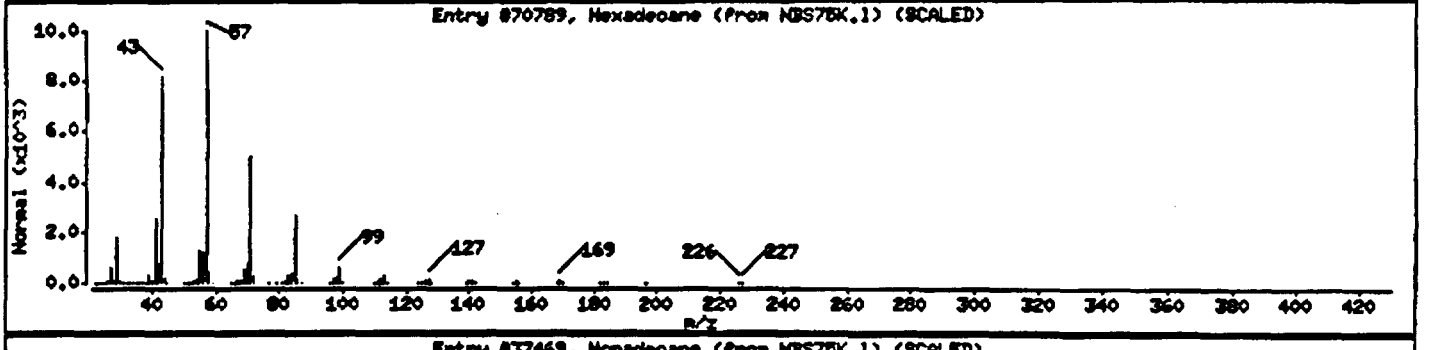
Column phase:

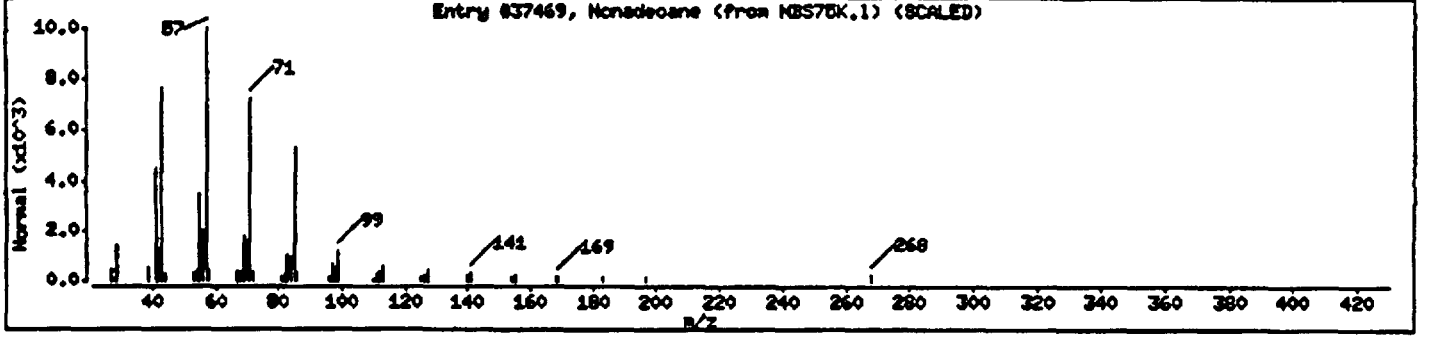
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
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

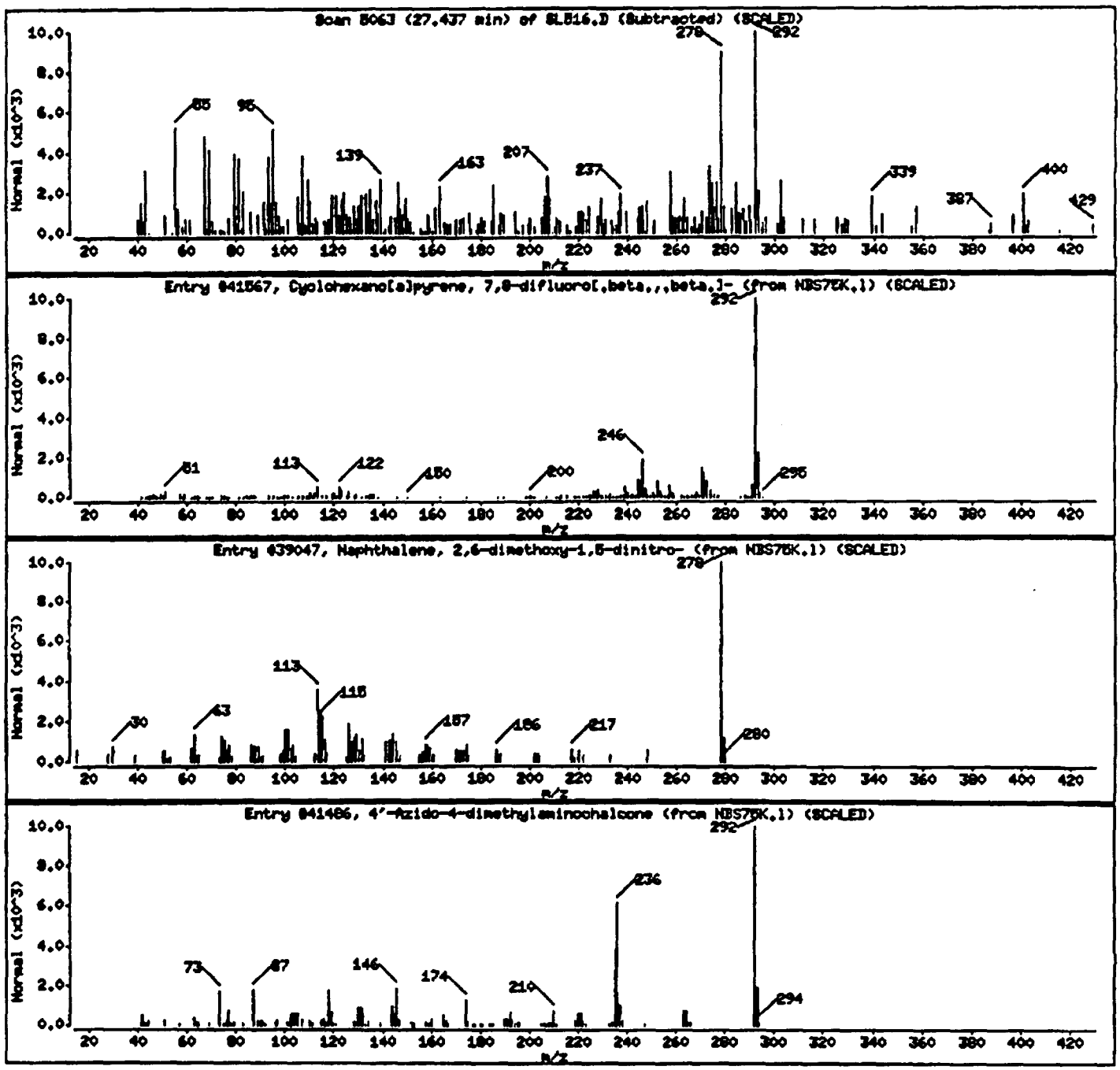
Volume Injected (uL): 2.0

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	35	C20H14F2	292
Naphthalene, 2,6-dimethoxy-1,5-dinitro-	25314-97-0	NBS75K.l	39047	25	C12H10N2O6	278
4'-Azido-4-dimethylaminochalcone	0-00-0	NBS75K.l	41486	22	C17H16N4O	292



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

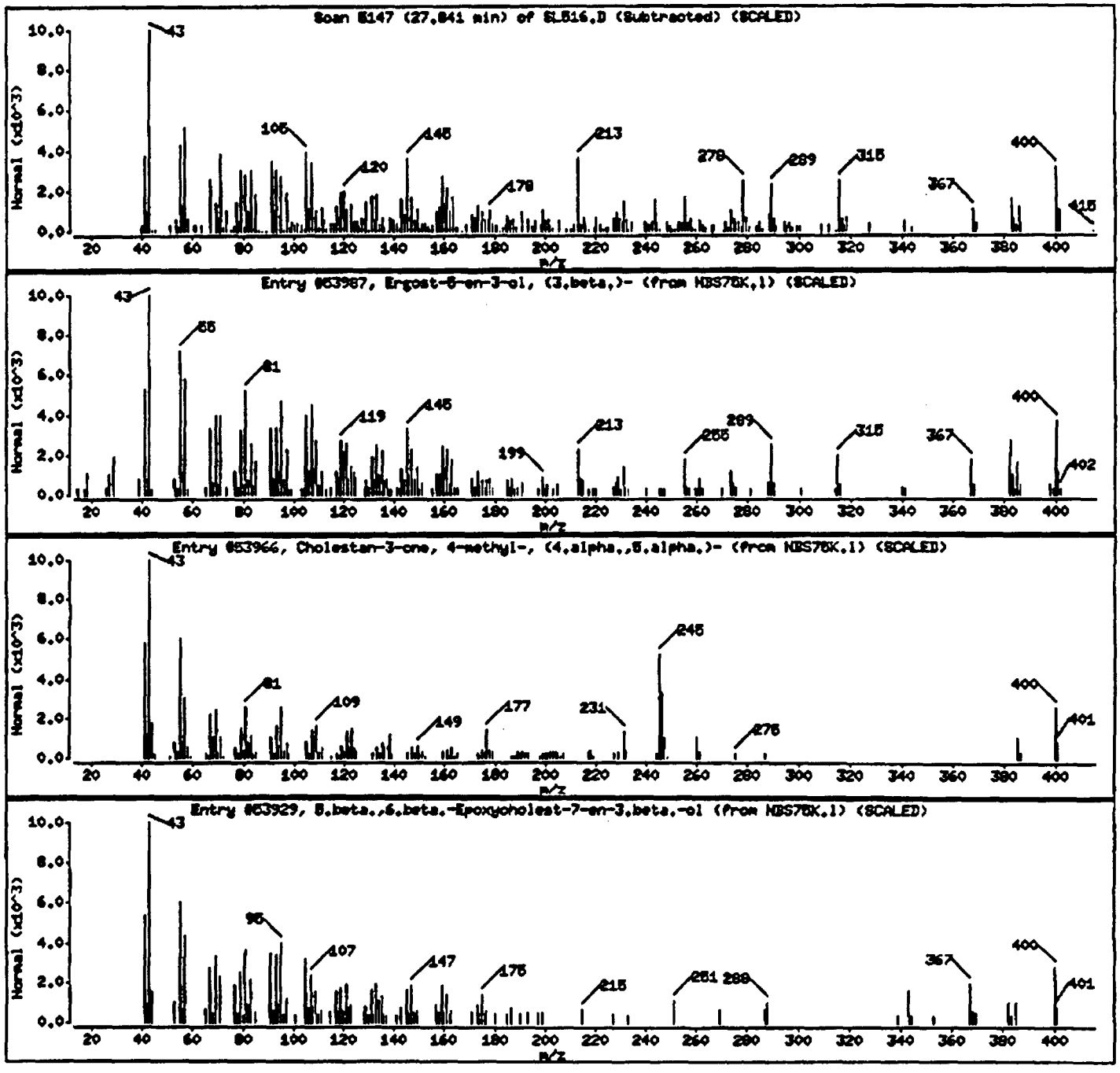
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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,clp31,i-clp90.sub

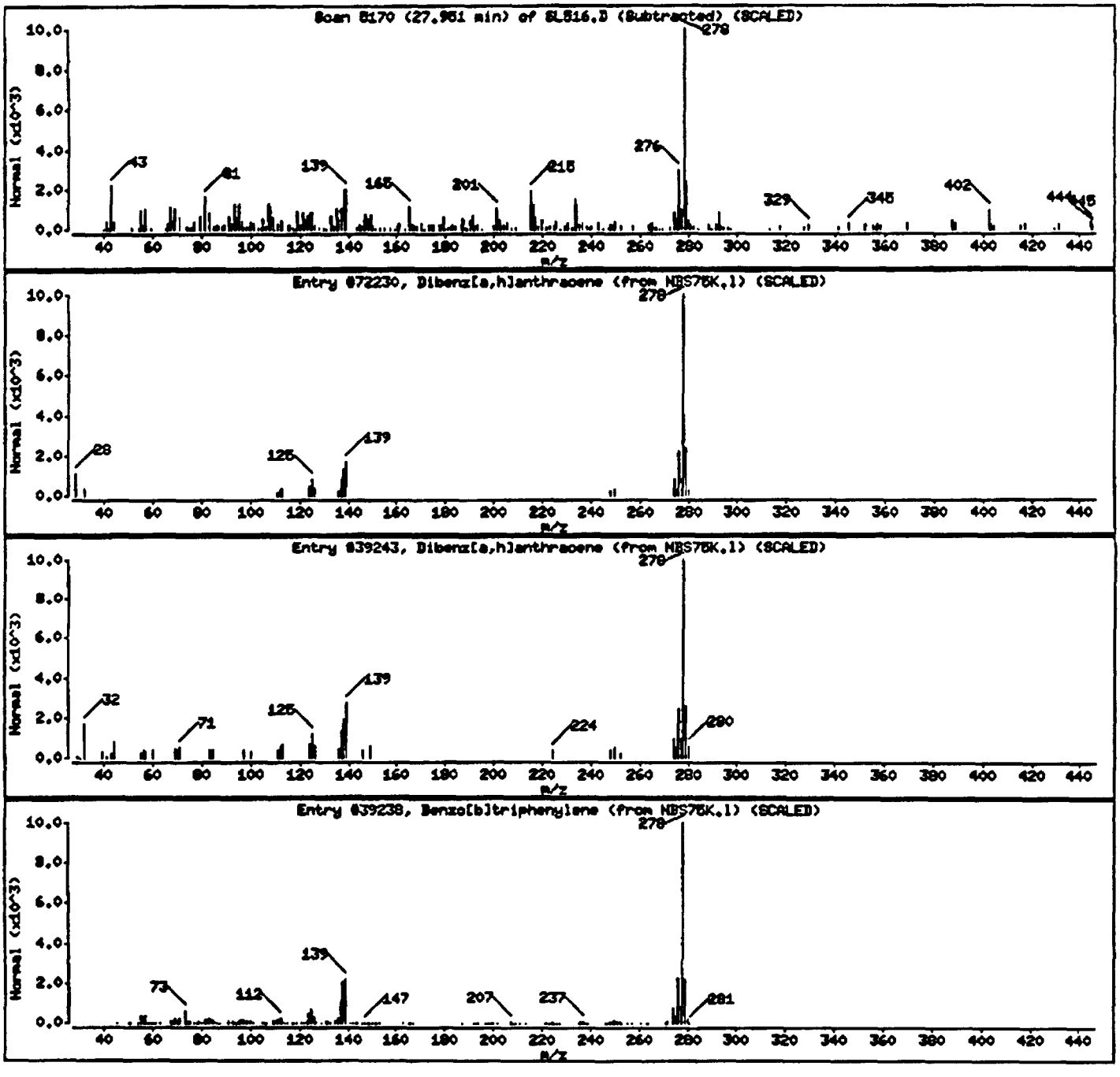
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
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	39239	78	C22H14	278



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

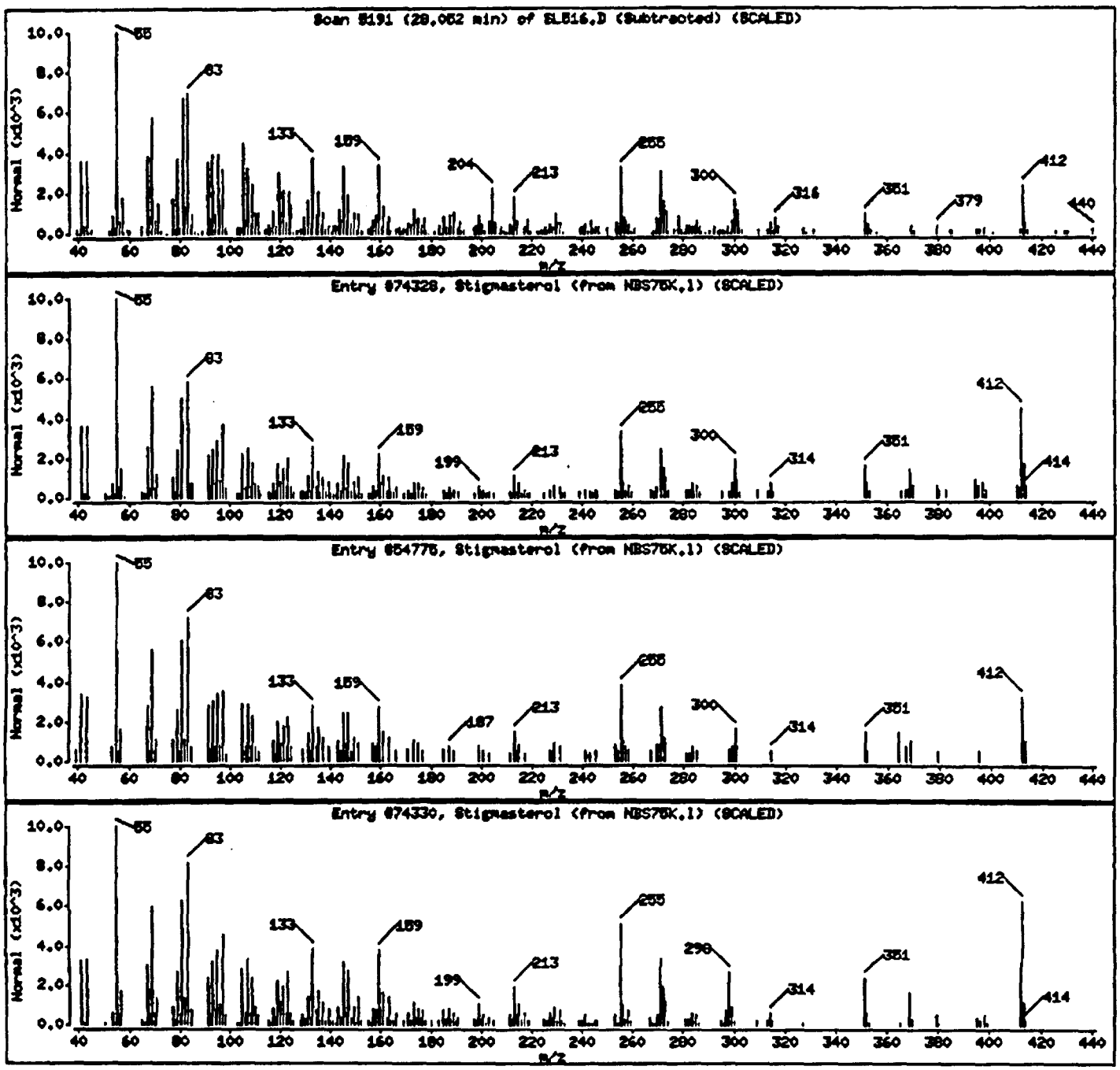
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Stigmasterol	83-48-7	NBS75K.1	74328	74	C29H48O	412
Stigmasterol	83-48-7	NBS75K.1	54775	68	C29H48O	412
Stigmasterol	83-48-7	NBS75K.1	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,clp31,i-clp90.sub

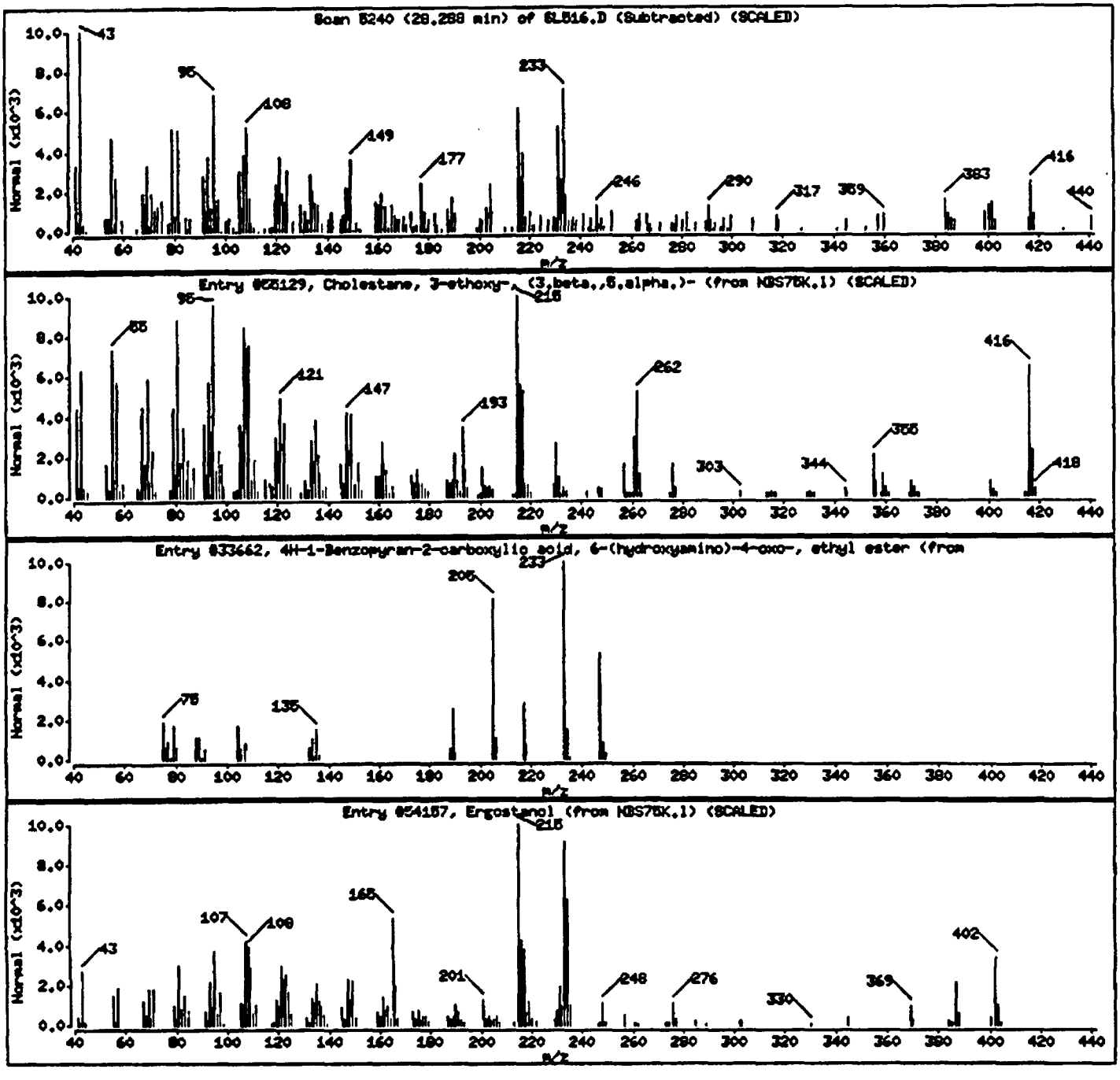
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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	25	C12H11N05	249
Ergostanol	6538-02-9	NBS75K.1	54157	15	C28H500	402



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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

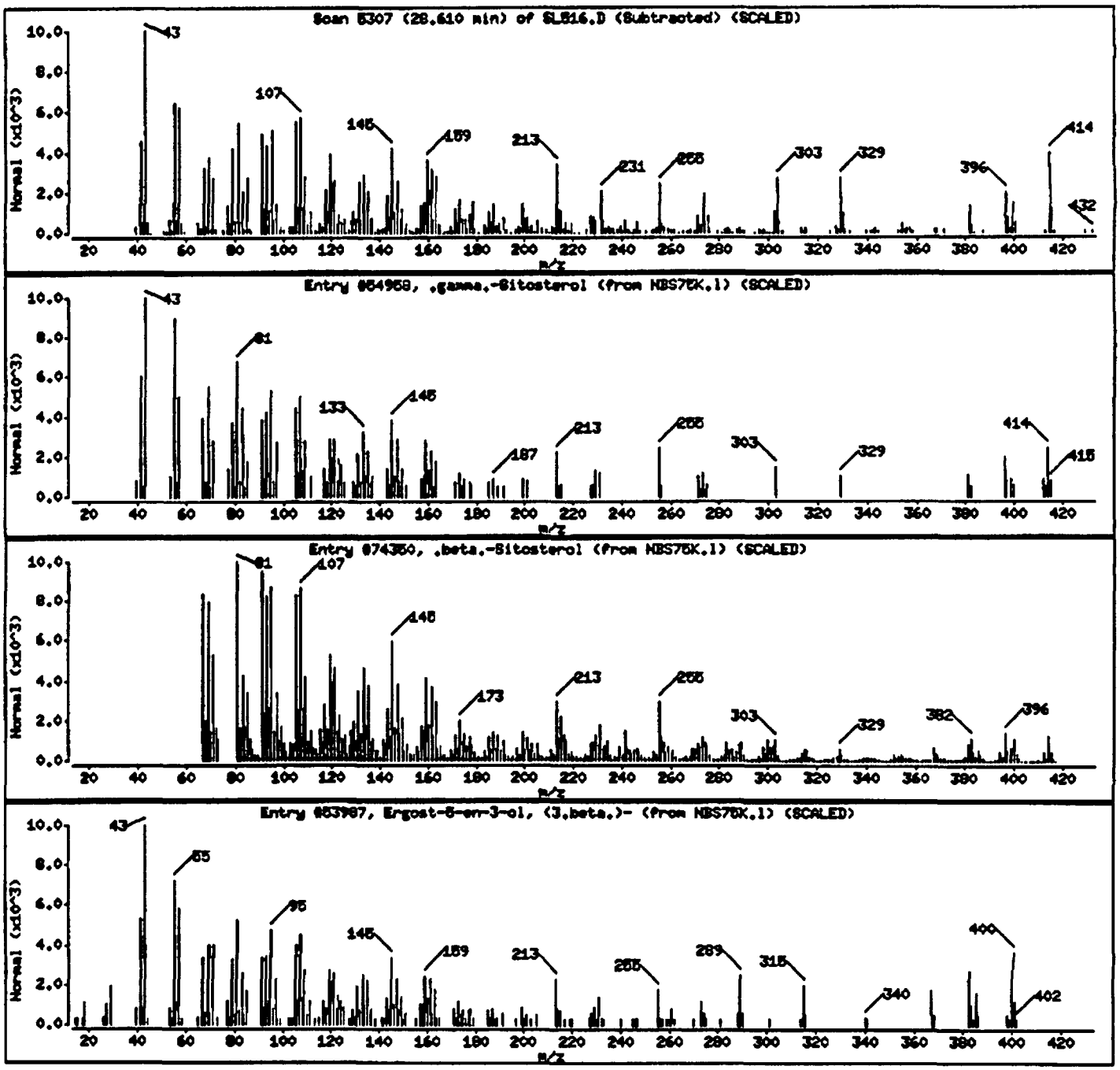
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.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.)-	4551-51-8	NBS75K.1	53987	43	C28H480	400



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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

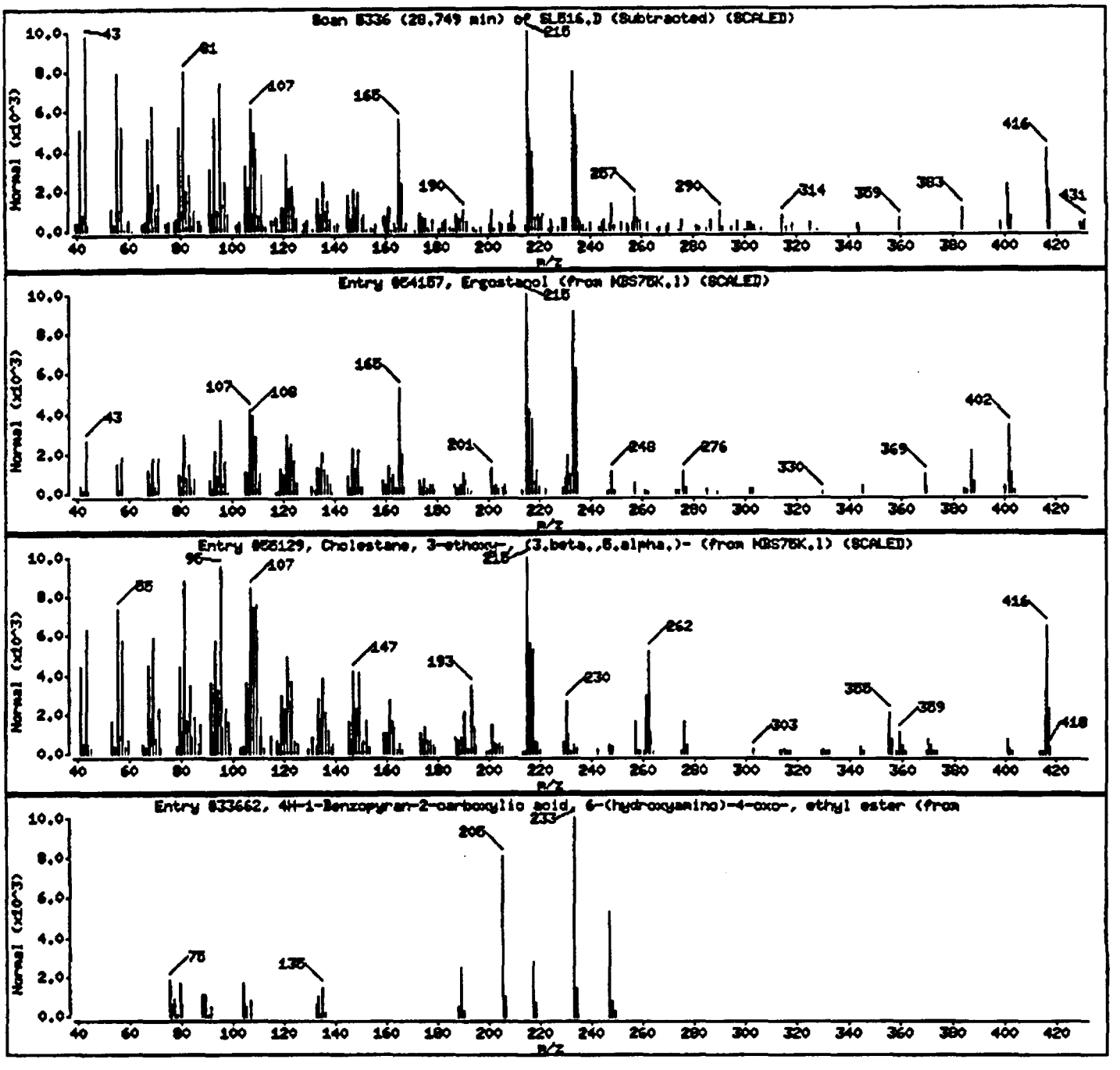
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ergostanol	6538-02-9	NBS75K.l	64157	58	C28H500	402
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	11	C12H11N05	249



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Date : 30-SEP-2000 02:52

Client ID: SL81-6'

Instrument: a4hp8.i

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

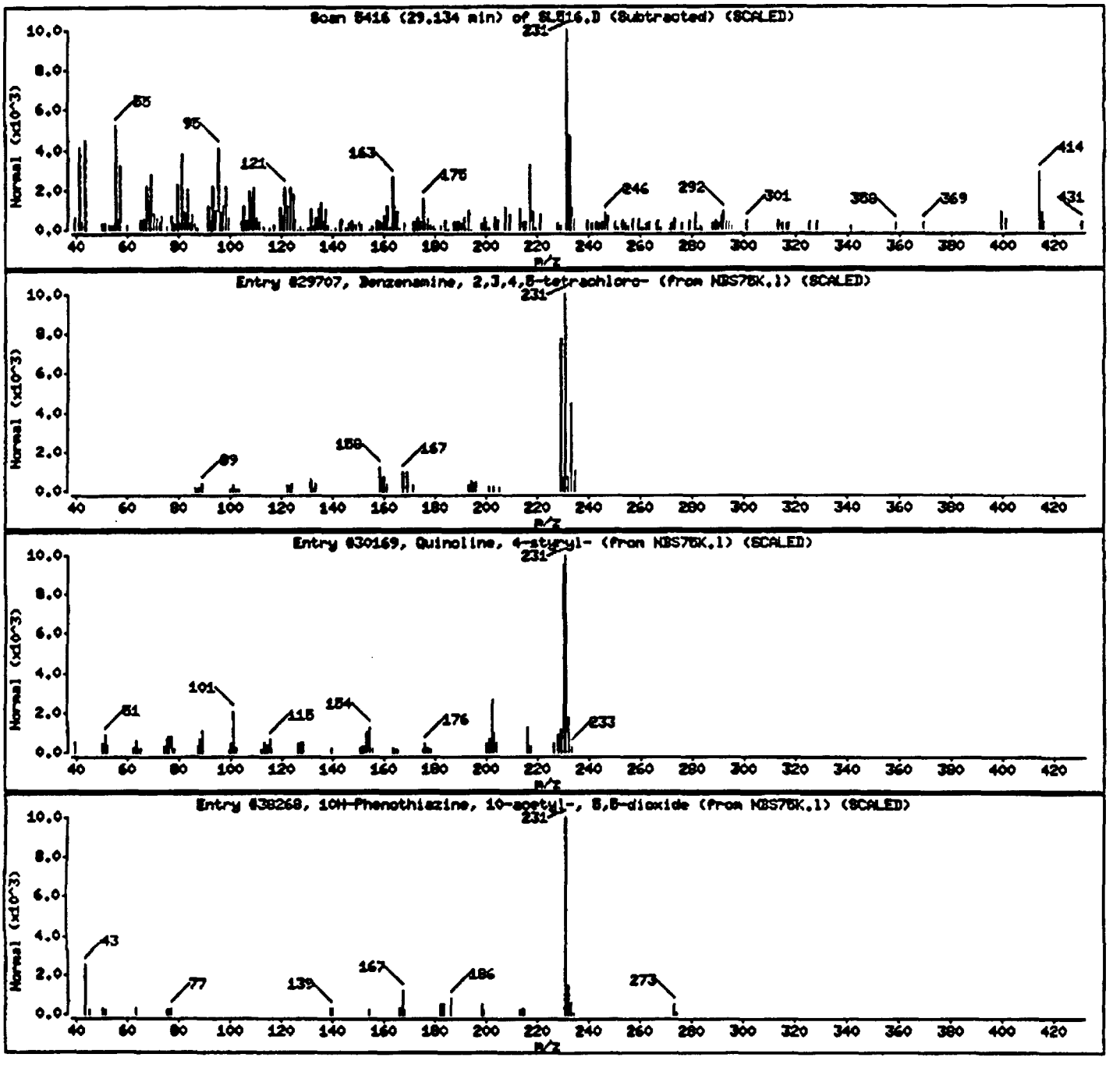
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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



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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

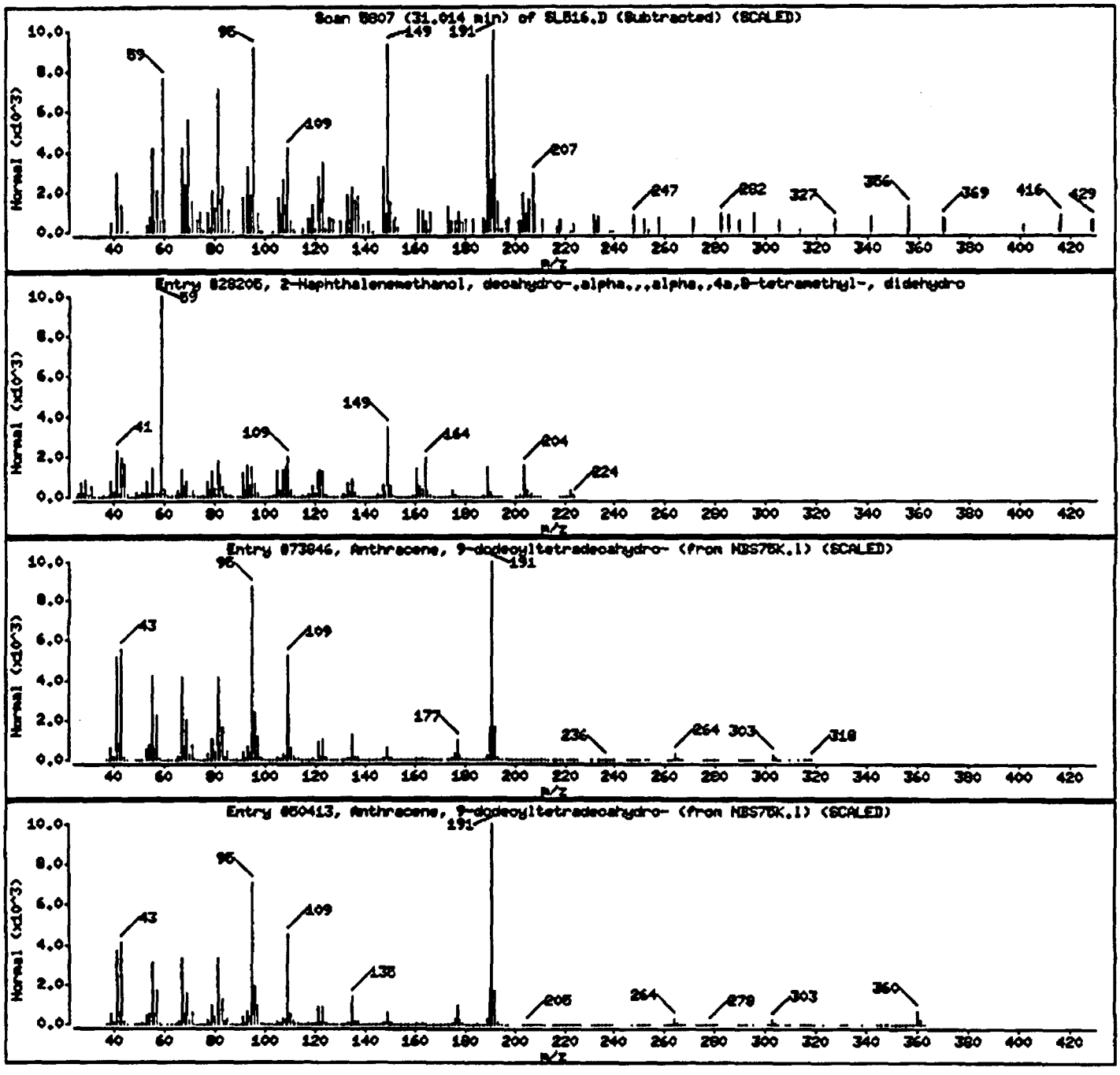
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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

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)

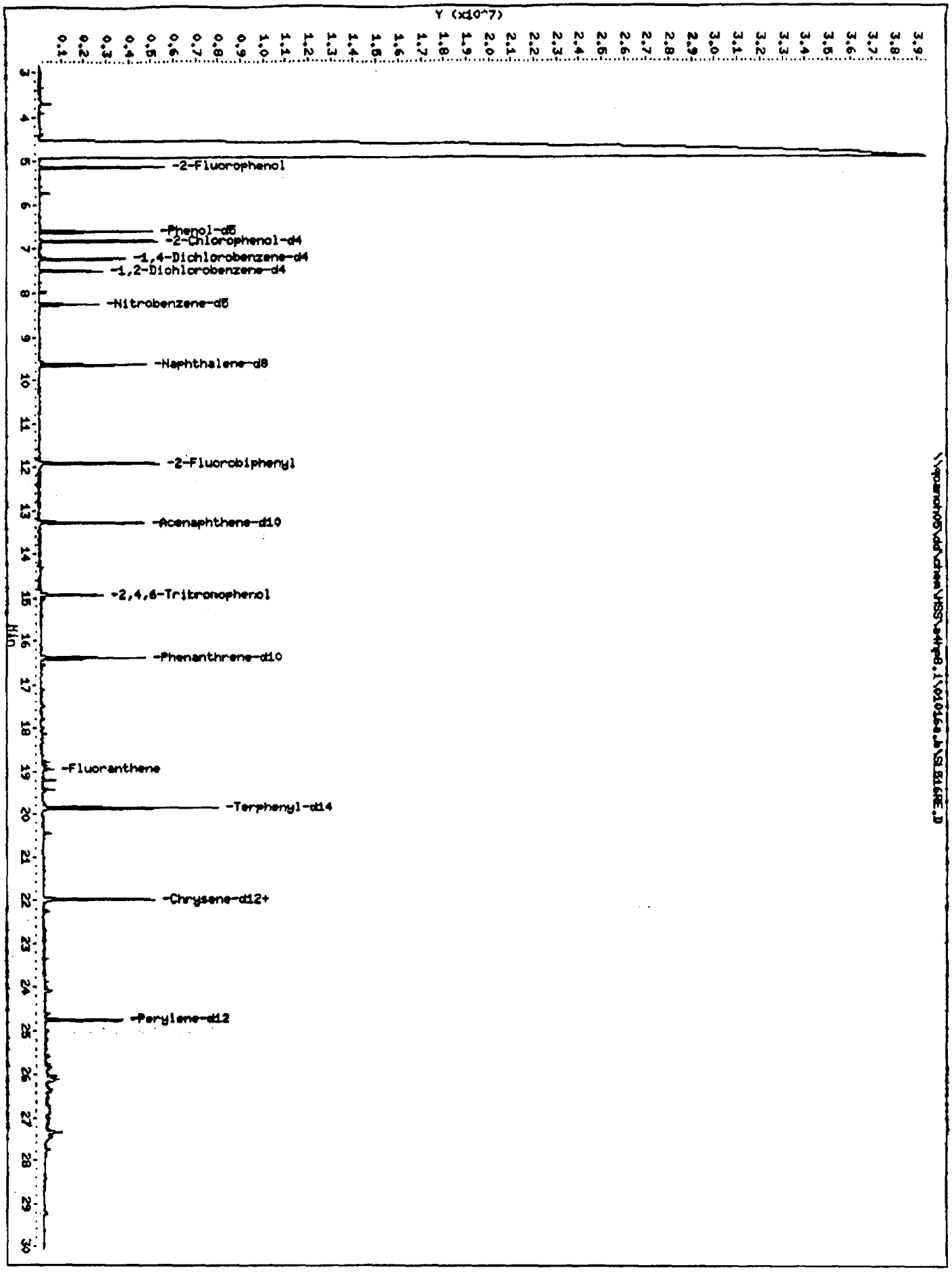
Sample WT/Vol: 16.29 / g Date Received: 09/01/00
Work Order: DJRNG30U Date Extracted:10/04/00
Dilution factor: 1 Date Analyzed: 10/16/00
Moisture %:62

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

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

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.					

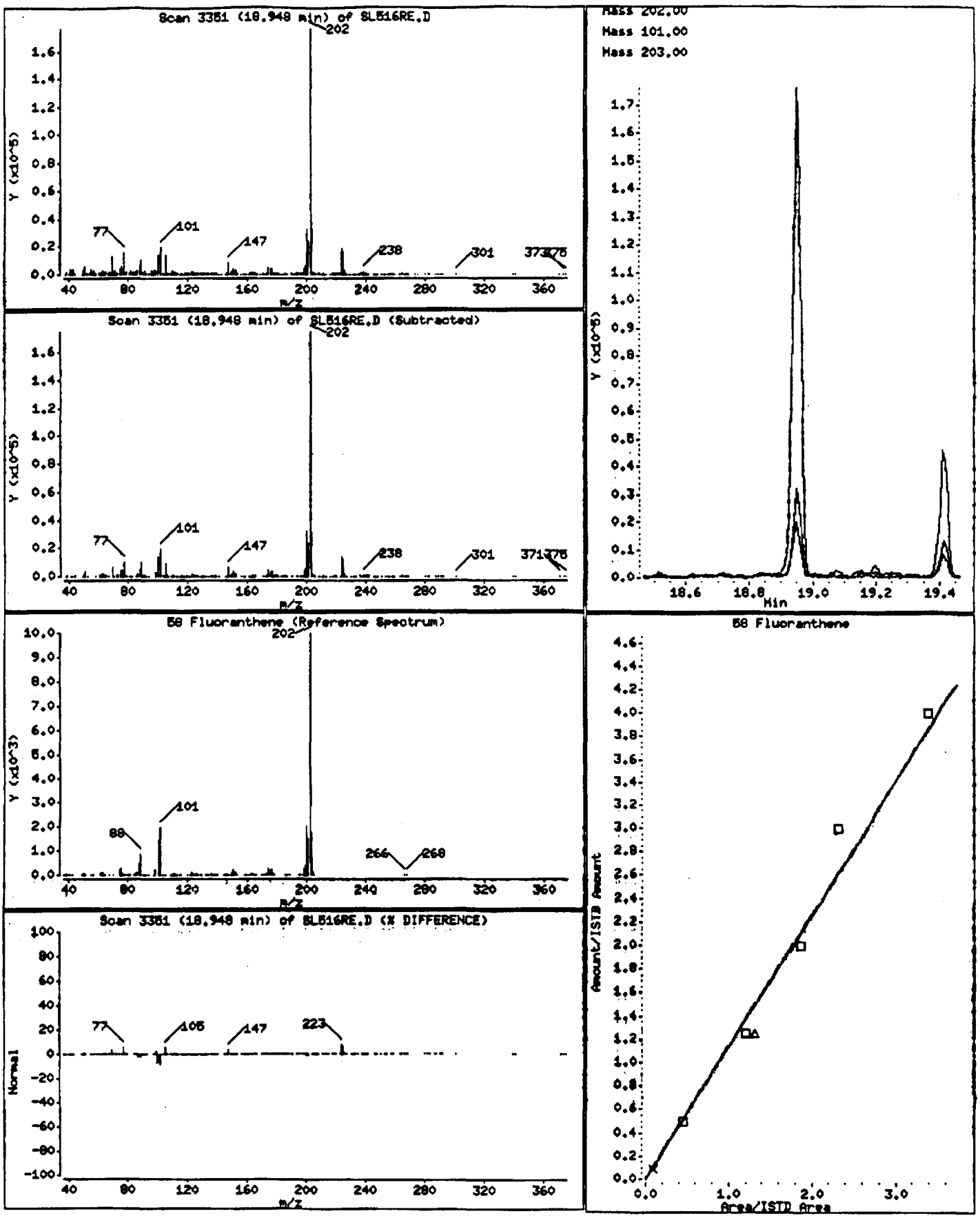
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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

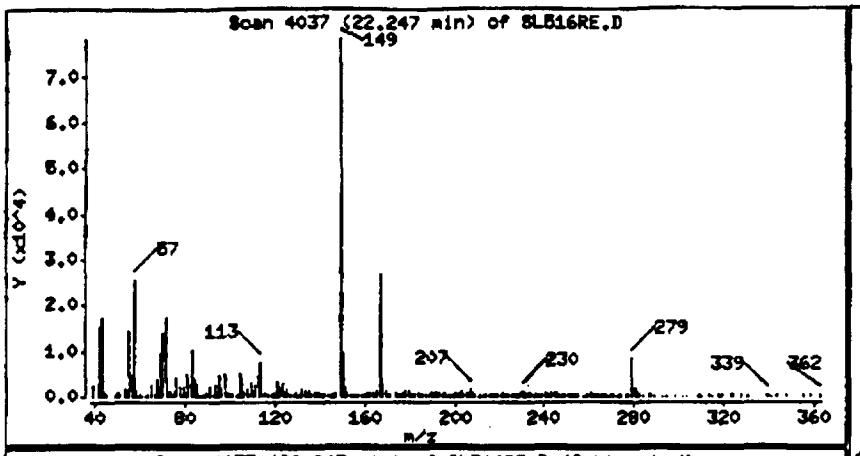
QC Flag Legend

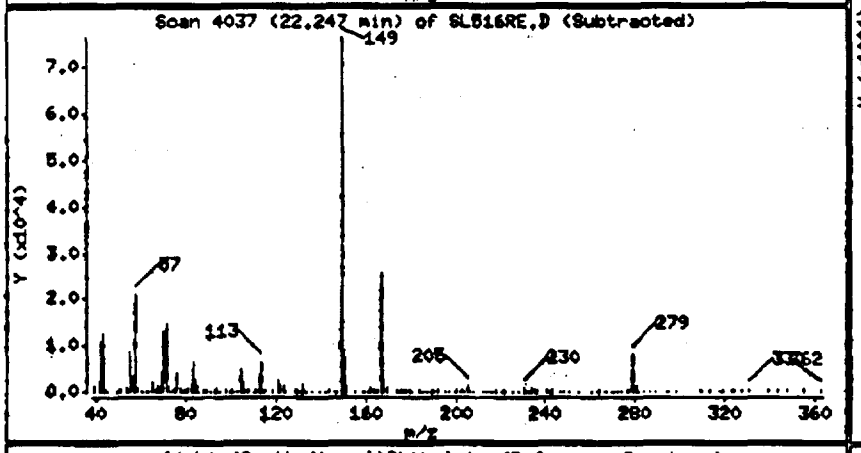
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

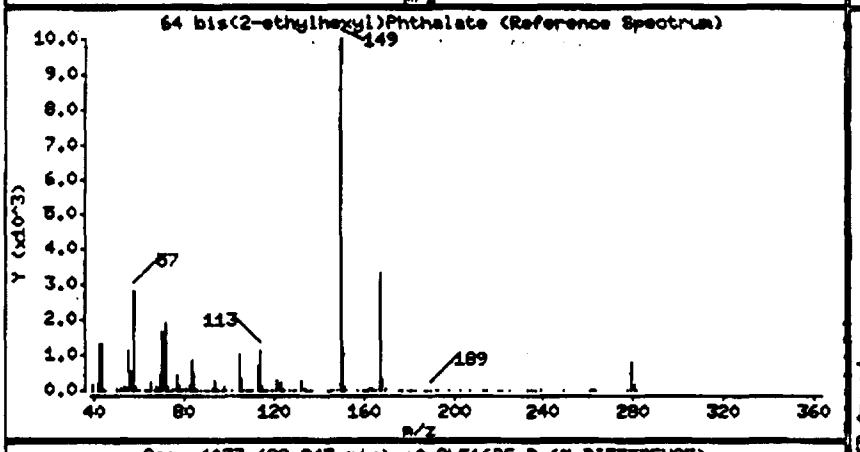
58 Fluoranthene

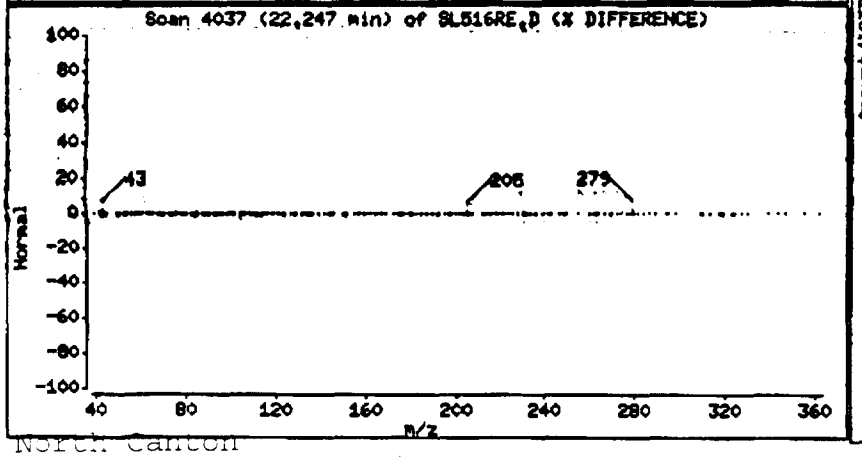


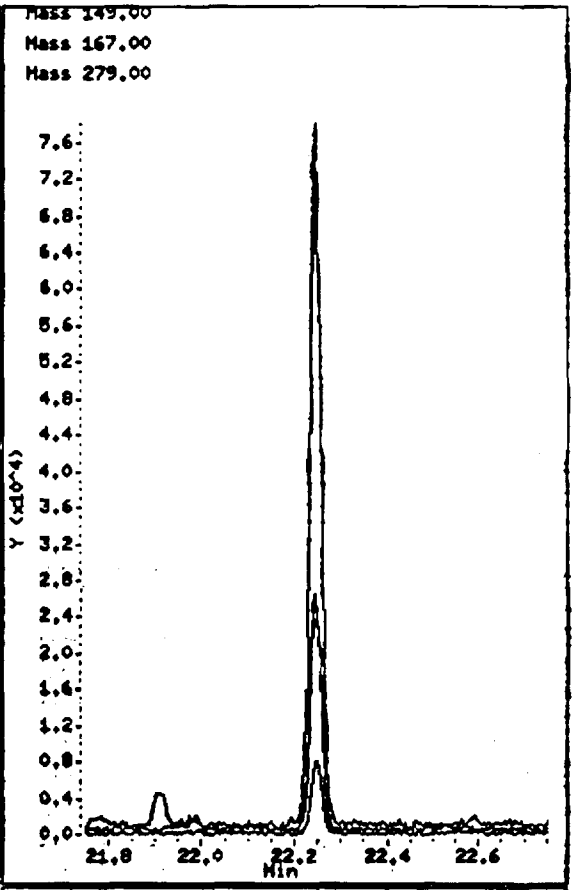
64 bis(2-ethylhexyl)Phthalate

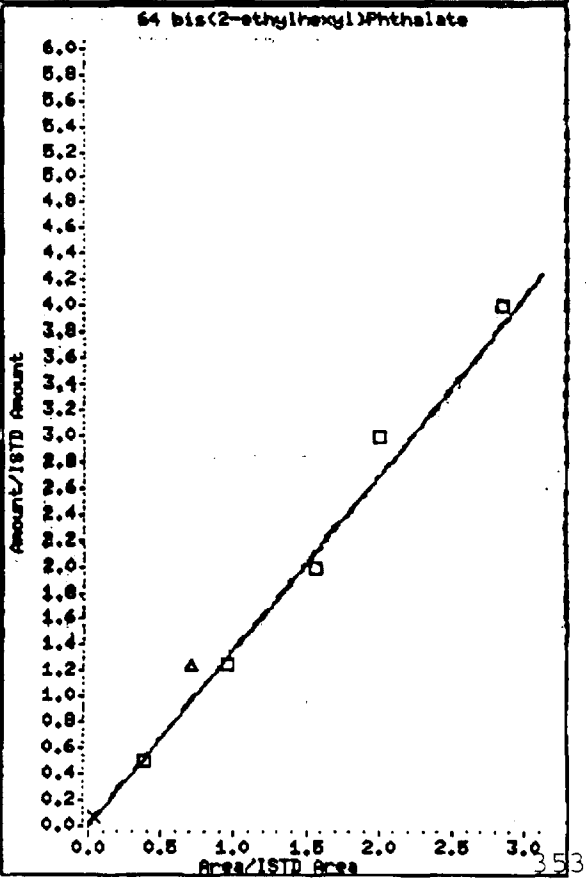












STL - North Canton

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	5.418e+008	4483.37384	140000	99		0	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: \\qoanoh05\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,i-olp90.sub

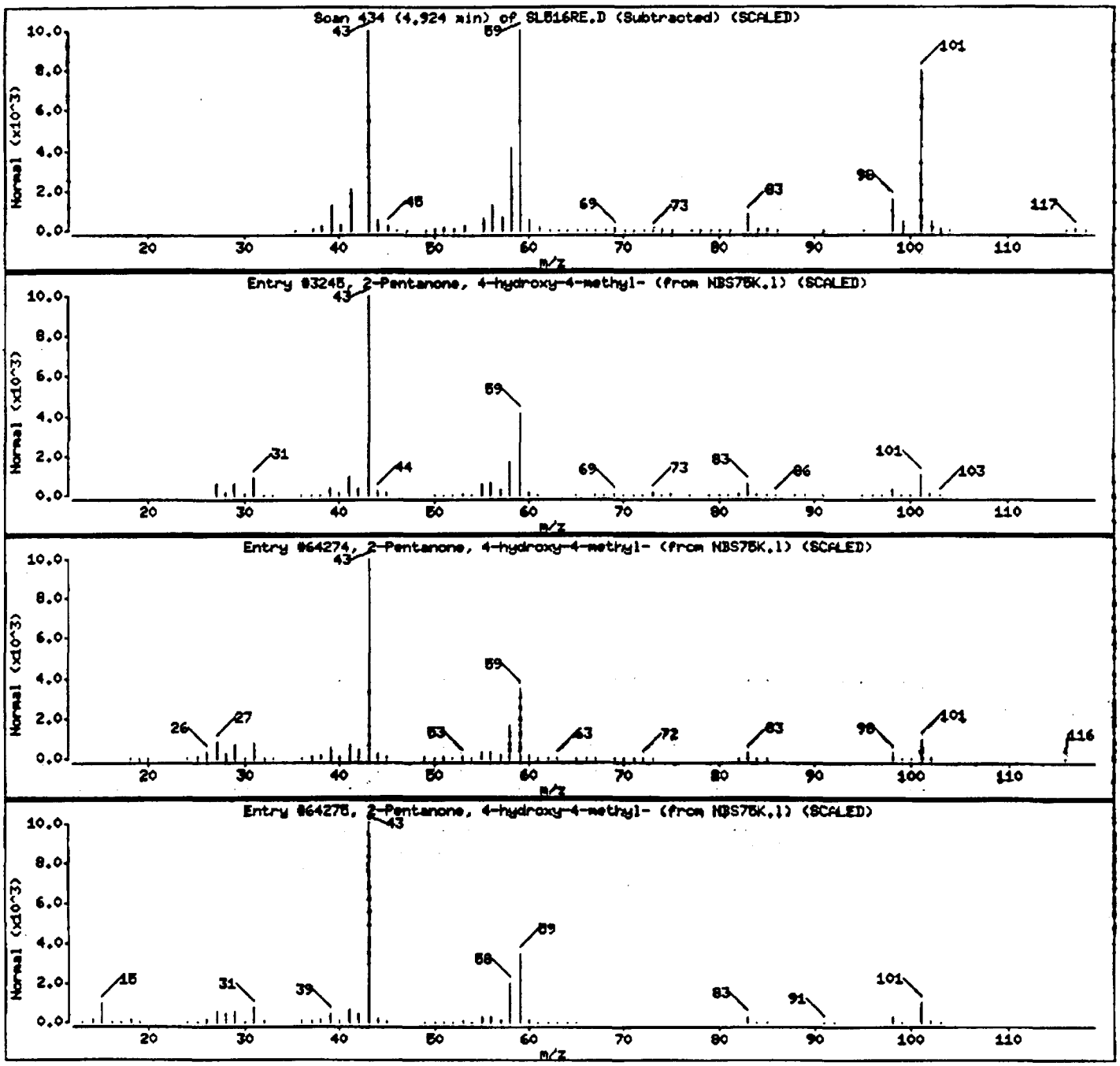
Volume Injected (uL): 2.0

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	3245	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	40	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64275	28	C6H12O2	116



Data File: \\qcanch05\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,clp31,1-clp90.sub

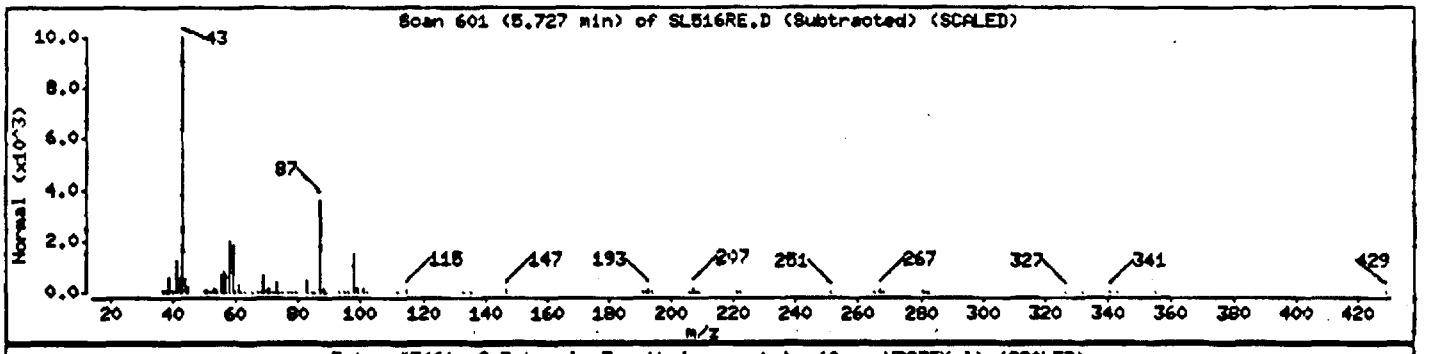
Volume Injected (uL): 2.0

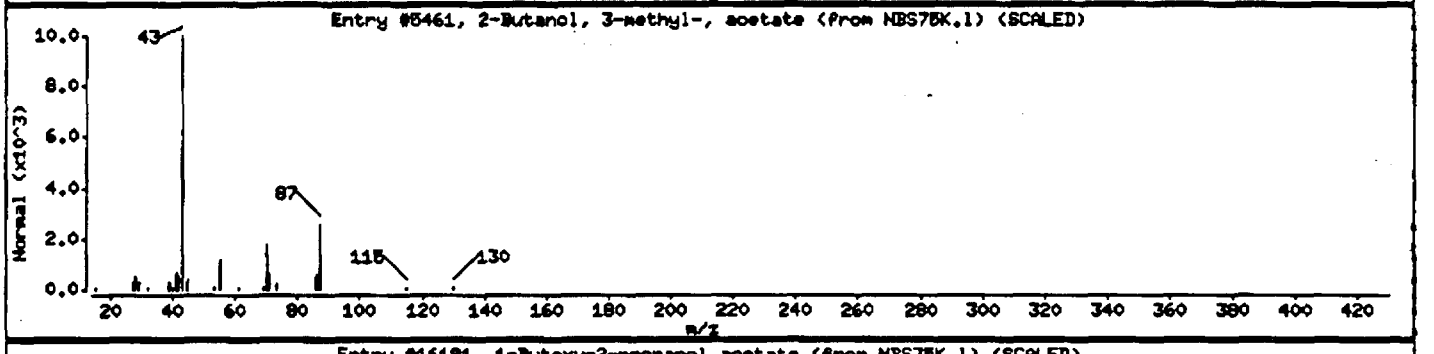
Operator: 001574

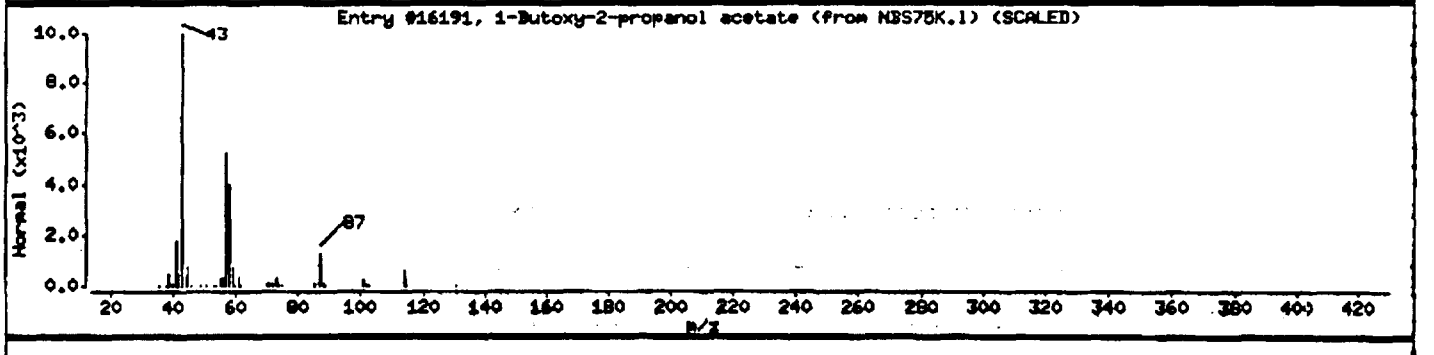
Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Butanol, 3-methyl-, acetate	5343-96-4	NBS75K.l	5461	17	C7H1402	130
1-Butoxy-2-propanol acetate	0-00-0	NBS75K.l	16191	12	C9H1803	174







Data File: \\qoanoh05\dd\ohem\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

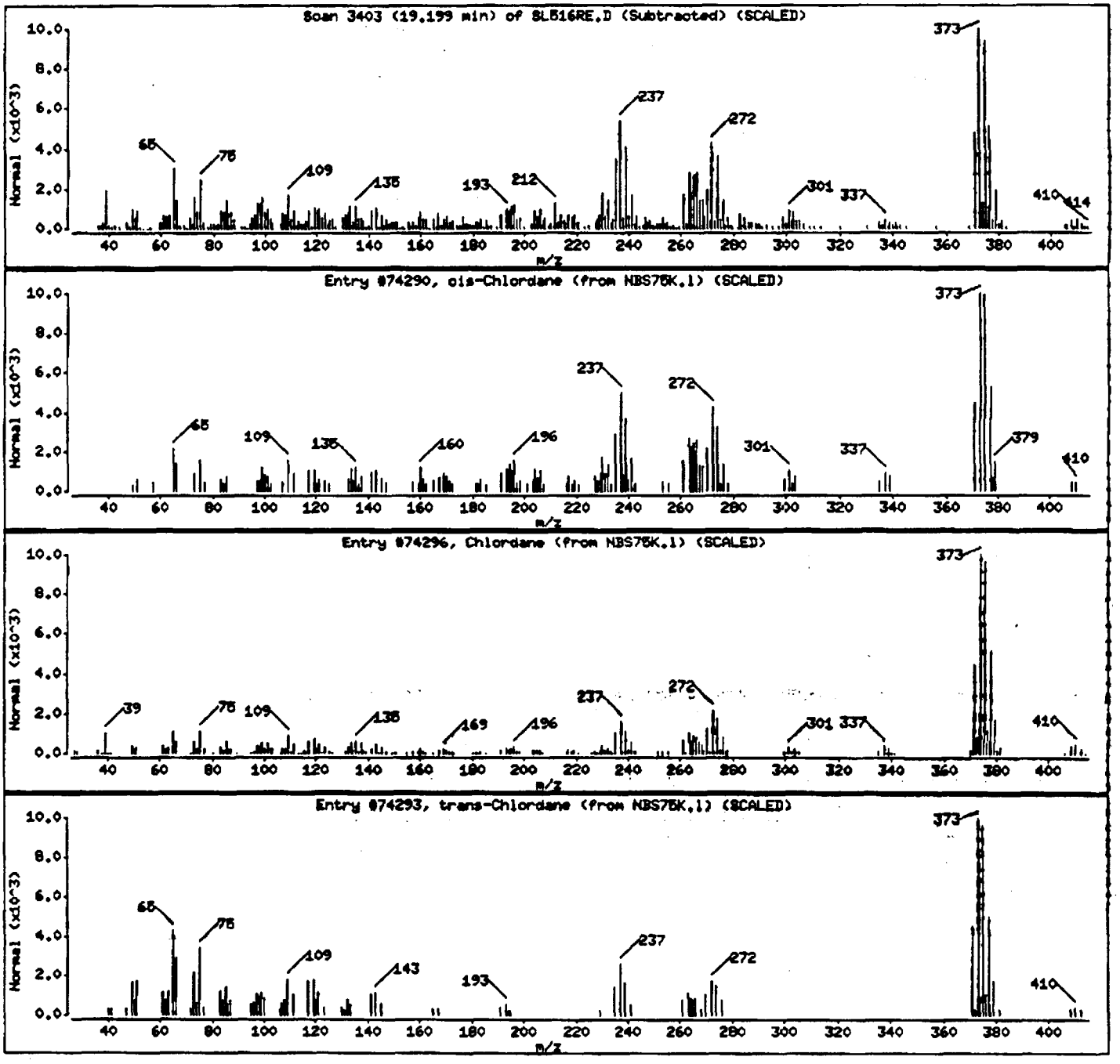
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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



Data File: \\qcanch05\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,i-olp90.sub

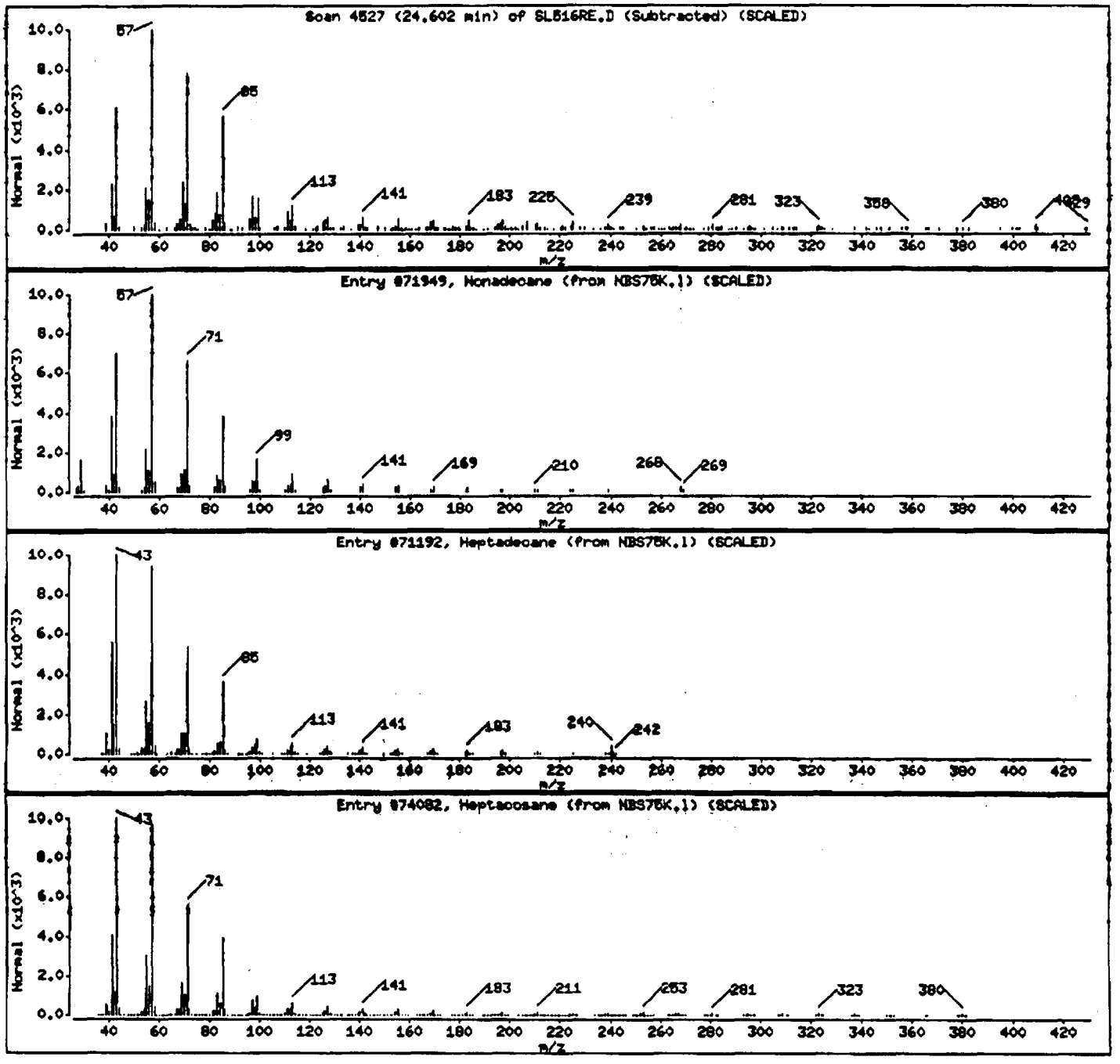
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonadecane	629-92-5	NBS75K.l	71949	96	C19H40	268
Heptadecane	629-78-7	NBS75K.l	71192	94	C17H36	240
Heptacosane	593-49-7	NBS75K.l	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,olp31,1-olp90,sub

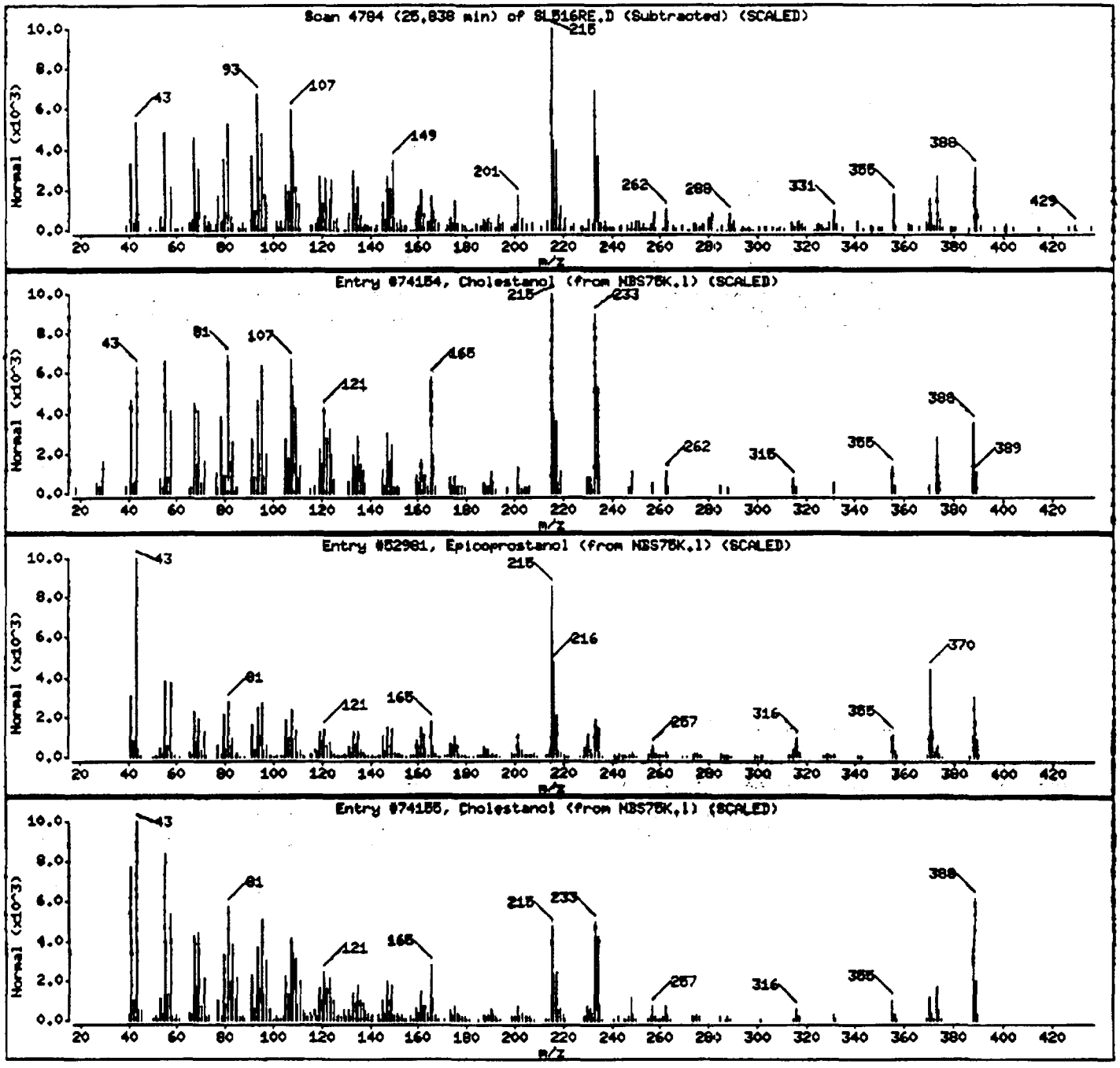
Volume Injected (uL): 2.0

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	87	C27H480	388
Epicoprostanol	0-00-0	NBS75K.l	52981	60	C27H480	388
Cholestanol	80-97-7	NBS75K.l	74155	53	C27H480	388



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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

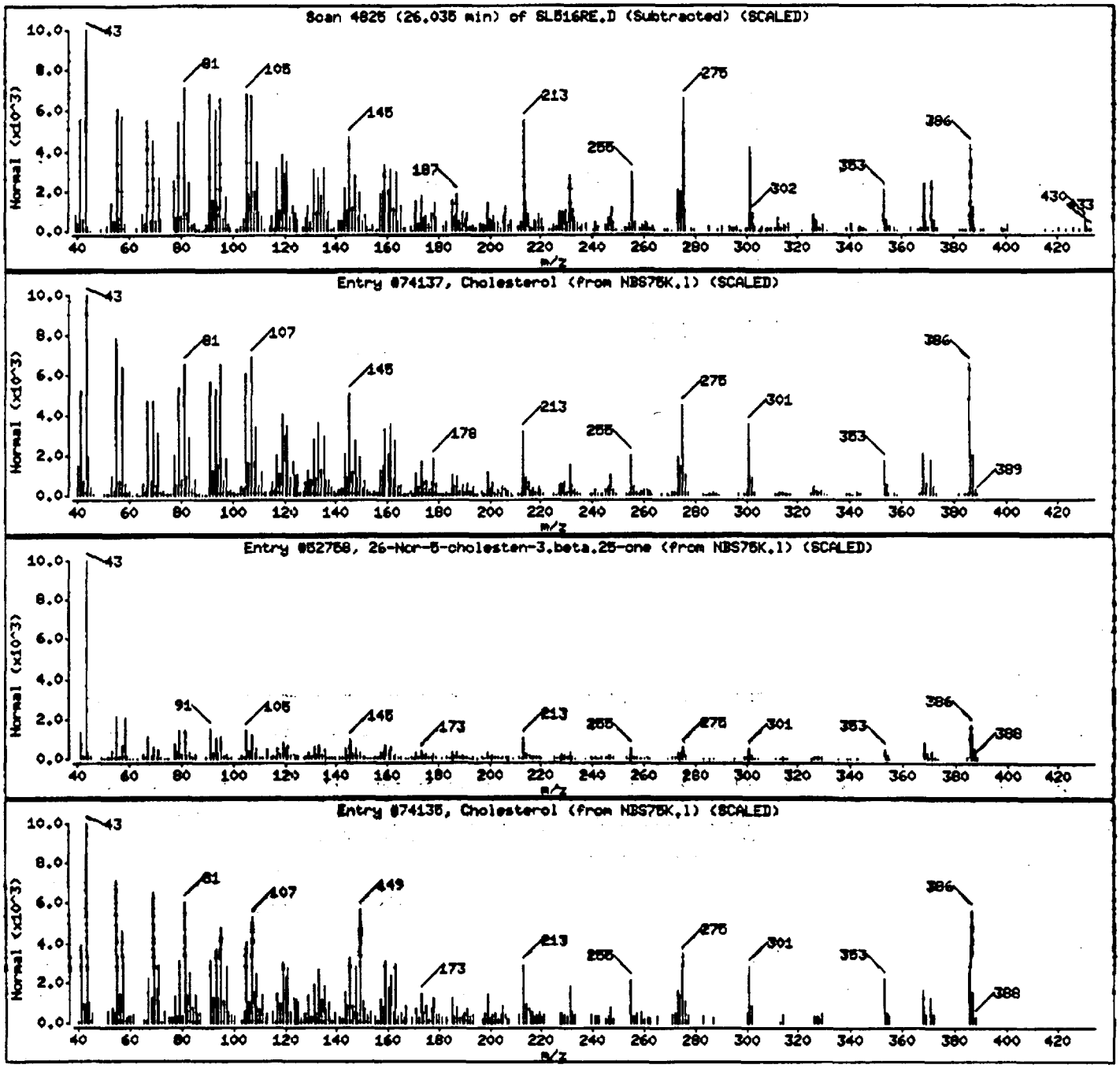
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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

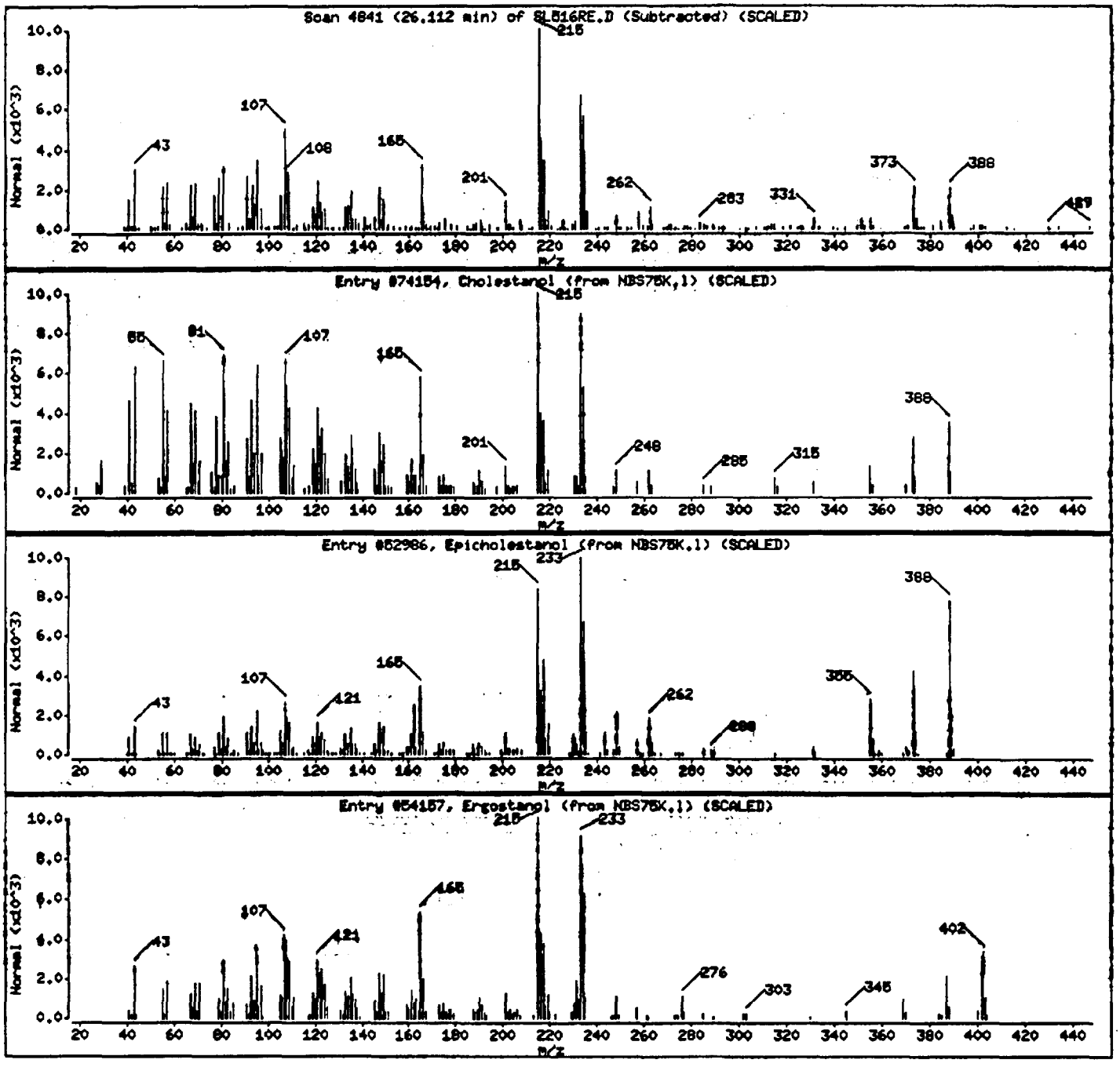
Volume Injected (uL): 2.0

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

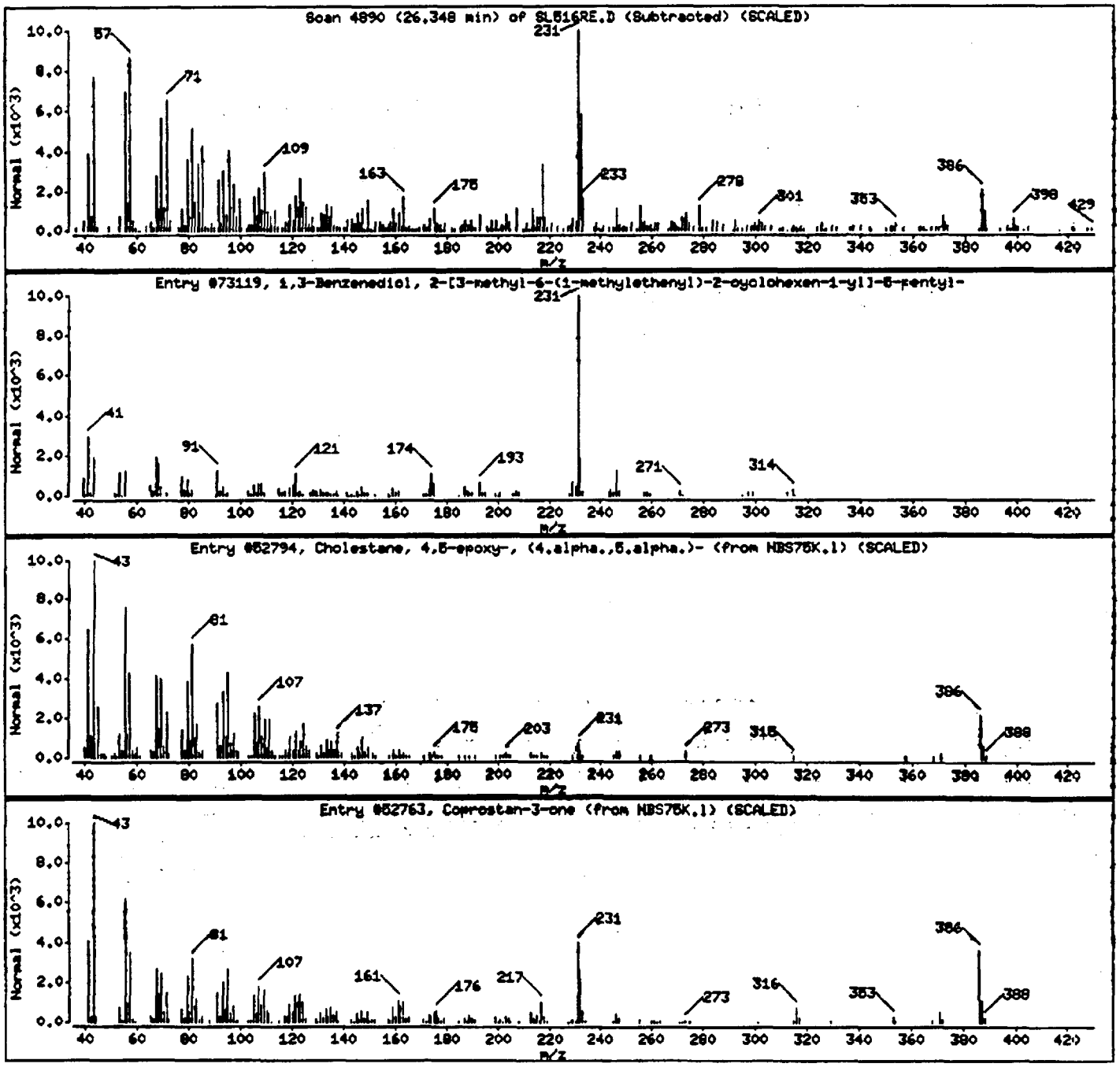
Volume Injected (uL): 2.0

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

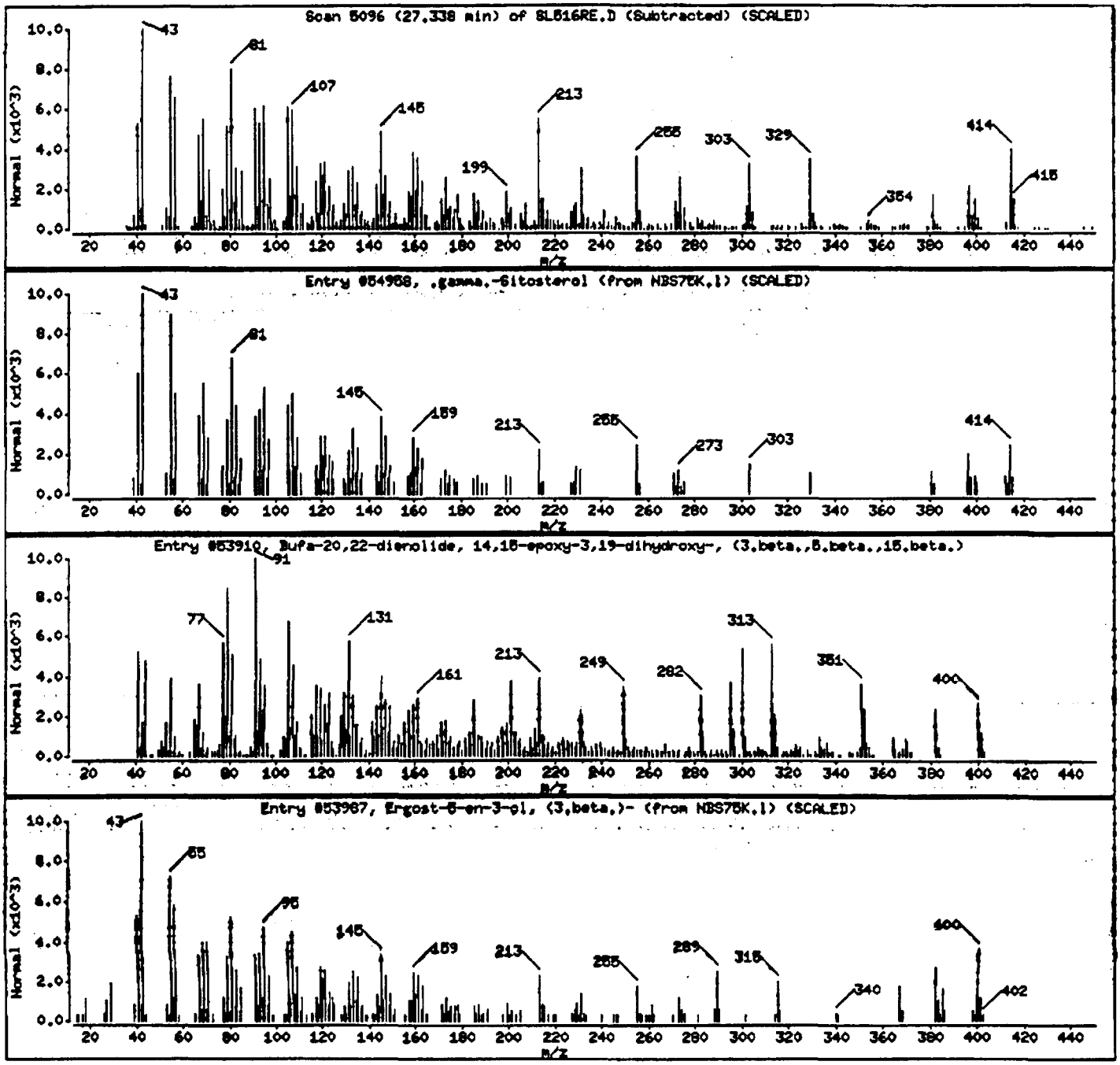
Volume Injected (uL): 2.0

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	54968	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	C29H480	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

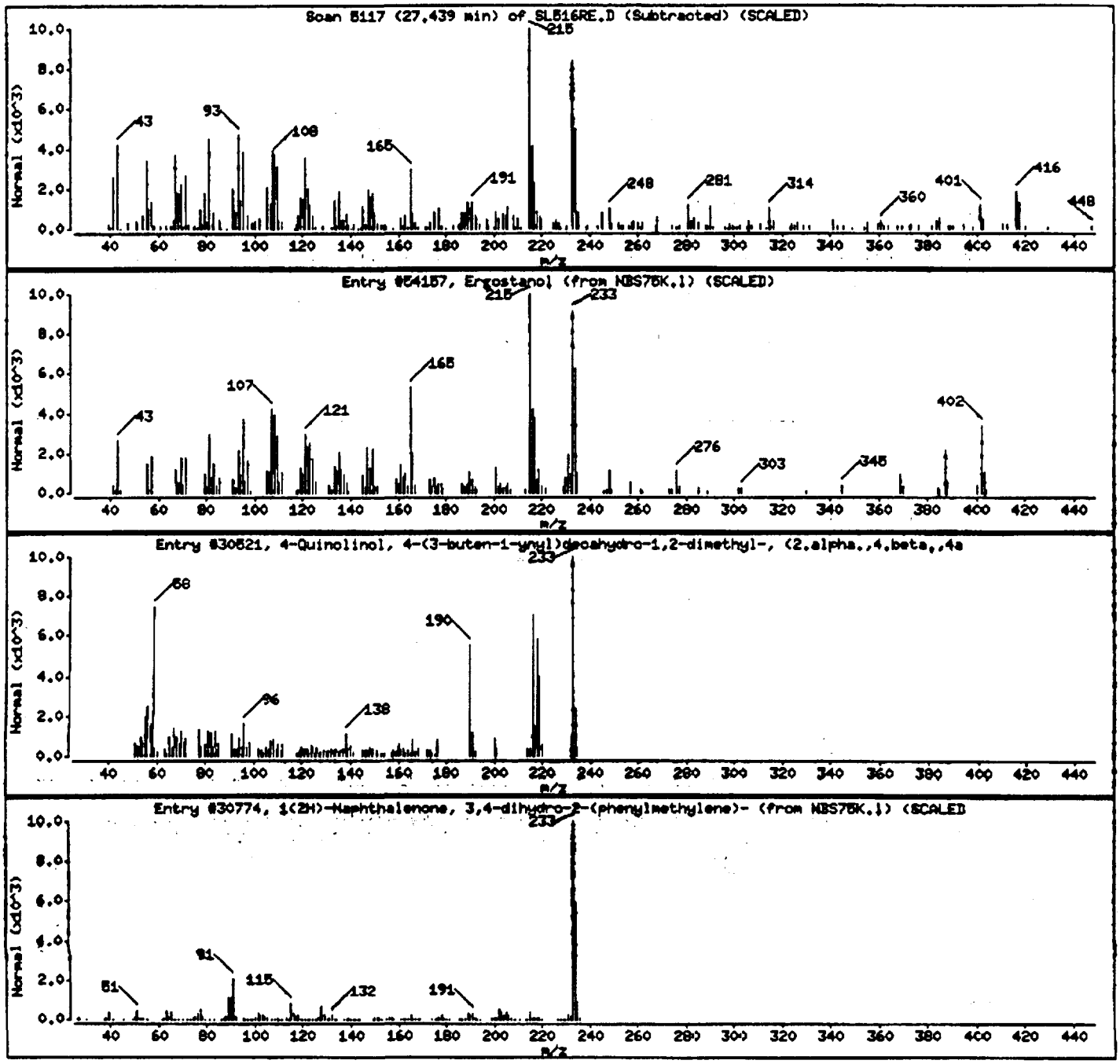
Volume Injected (uL): 2.0

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	26	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

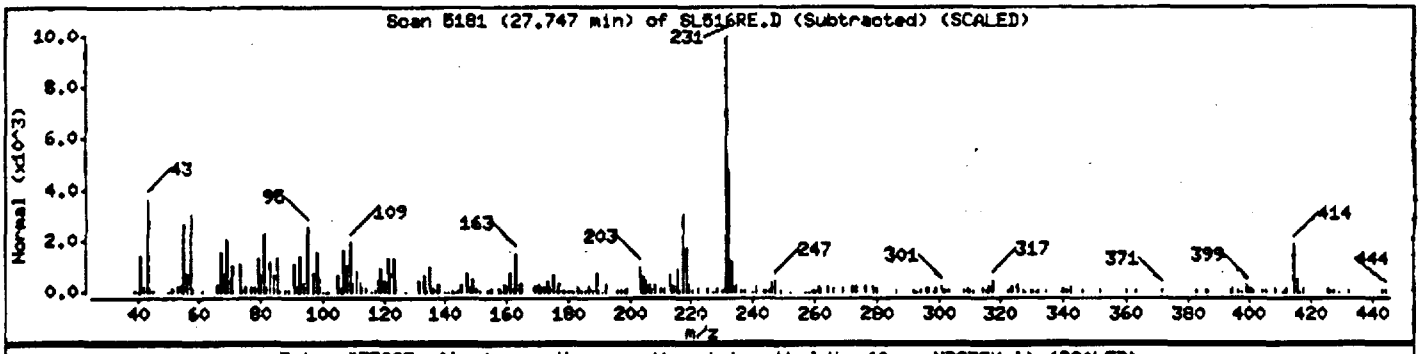
Volume Injected (uL): 2.0

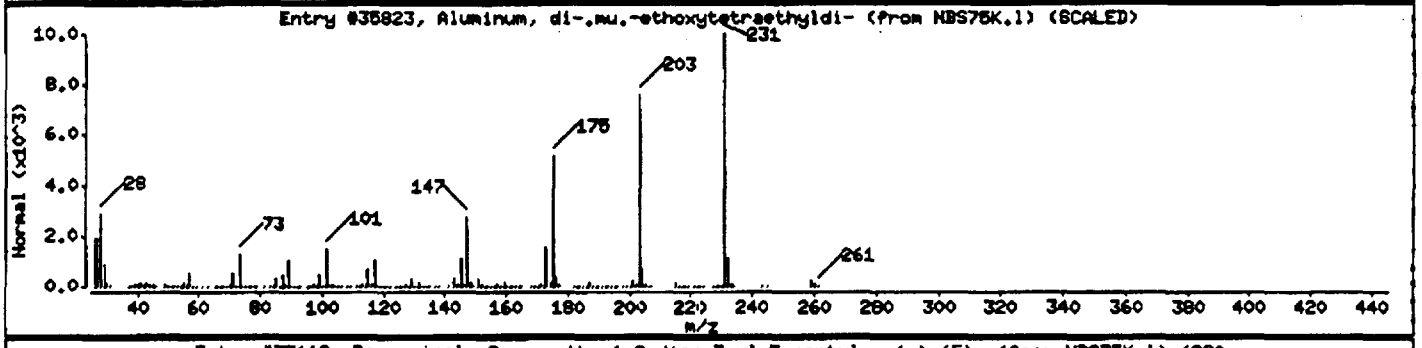
Operator: 001574

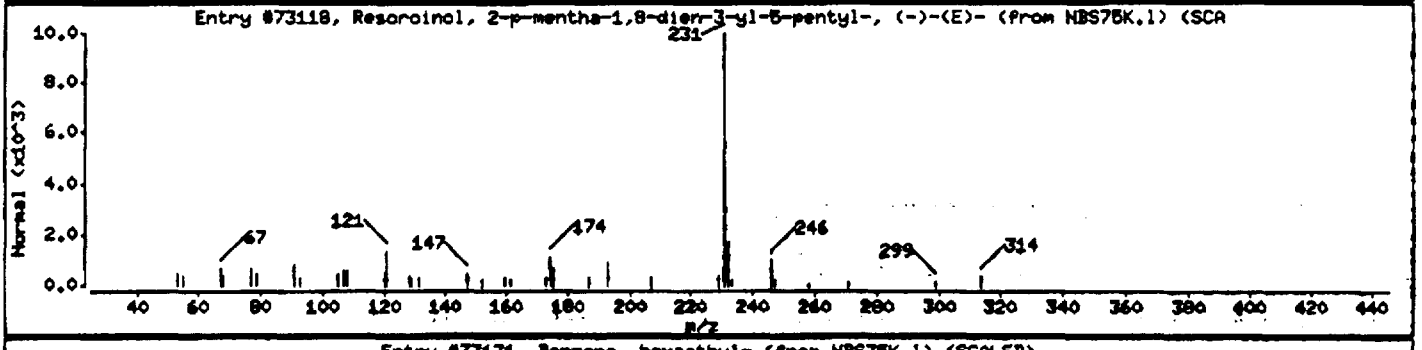
Column phase:

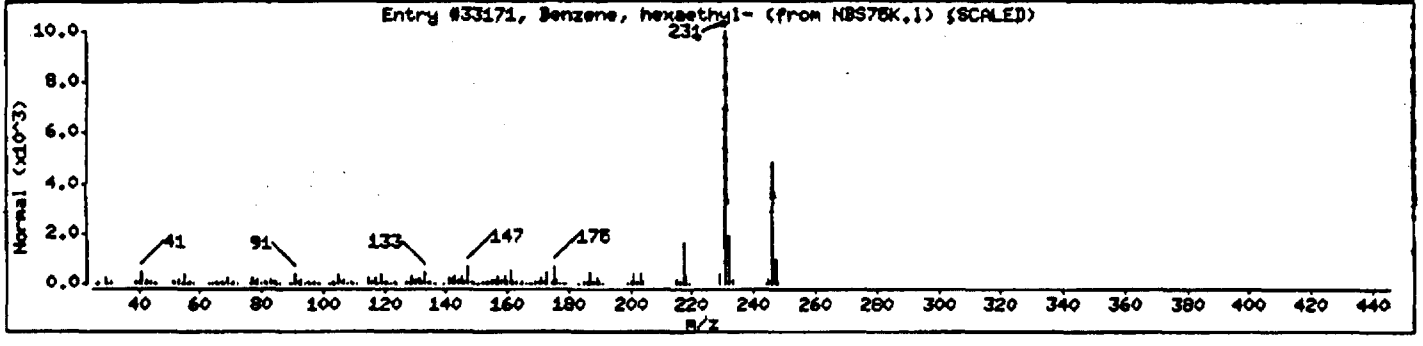
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Aluminum, di-.mu.-ethoxytetraethyldi-	15629-79-5	NBS75K.l	35823	35	C12H30Al2O2	260
Resorcinol, 2-p-mentha-1,8-dien-3-yl-5-p	521-37-9	NBS75K.l	73118	25	C21H30O2	314
Benzene, hexaethyl-	604-88-6	NBS75K.l	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

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)

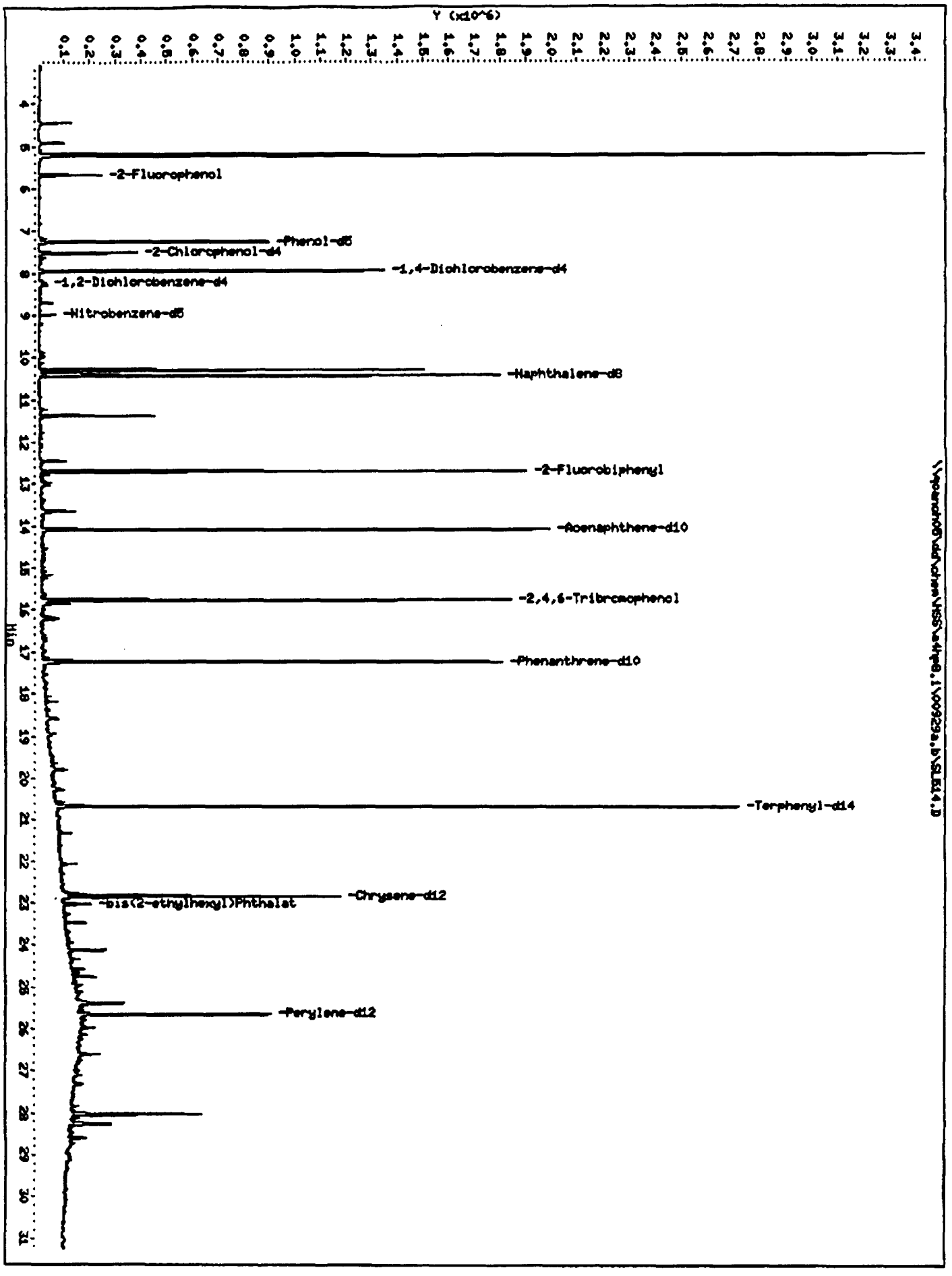
Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:27

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.					

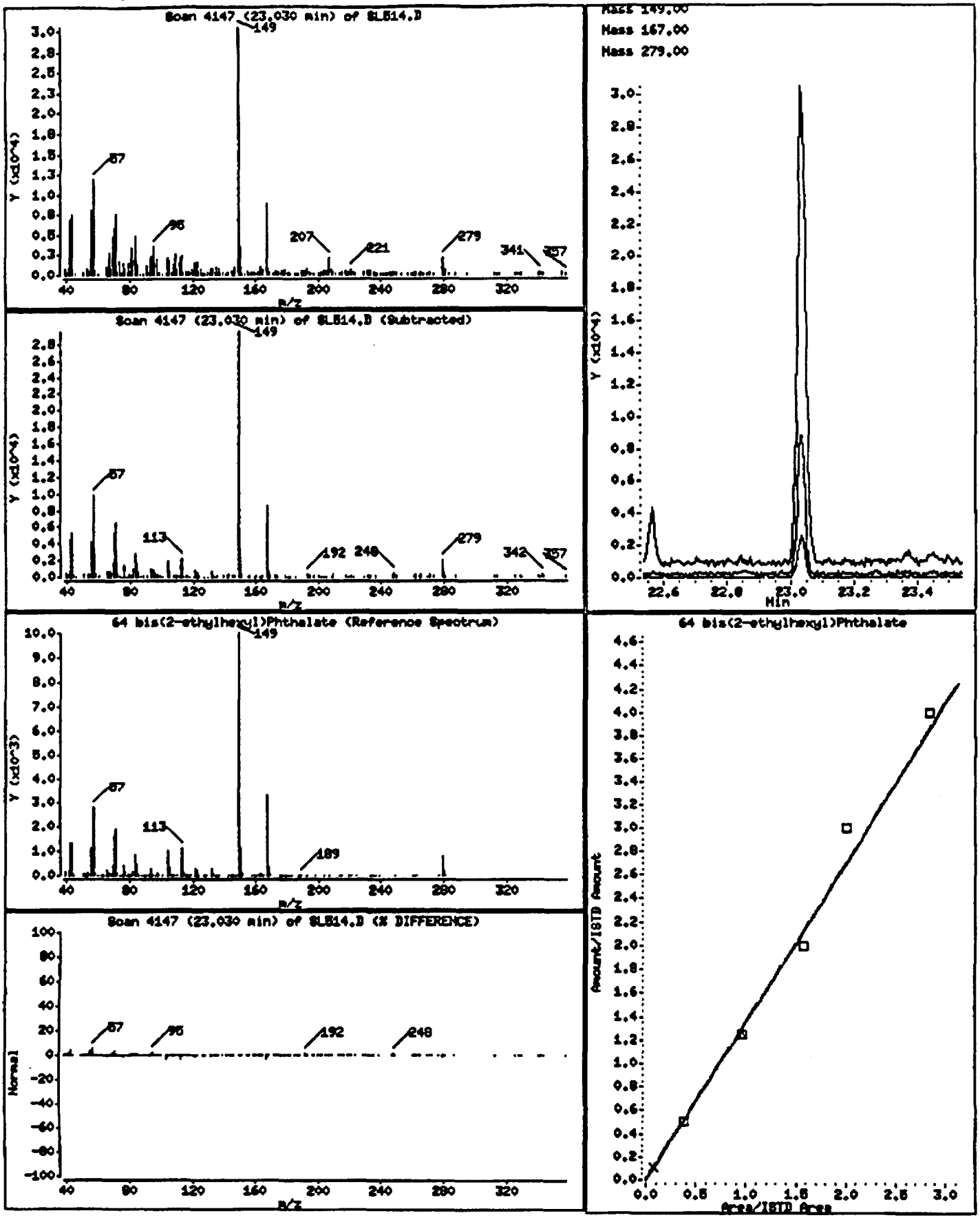
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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/Kg)
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: \\mpanch05\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,i-olp90,sub

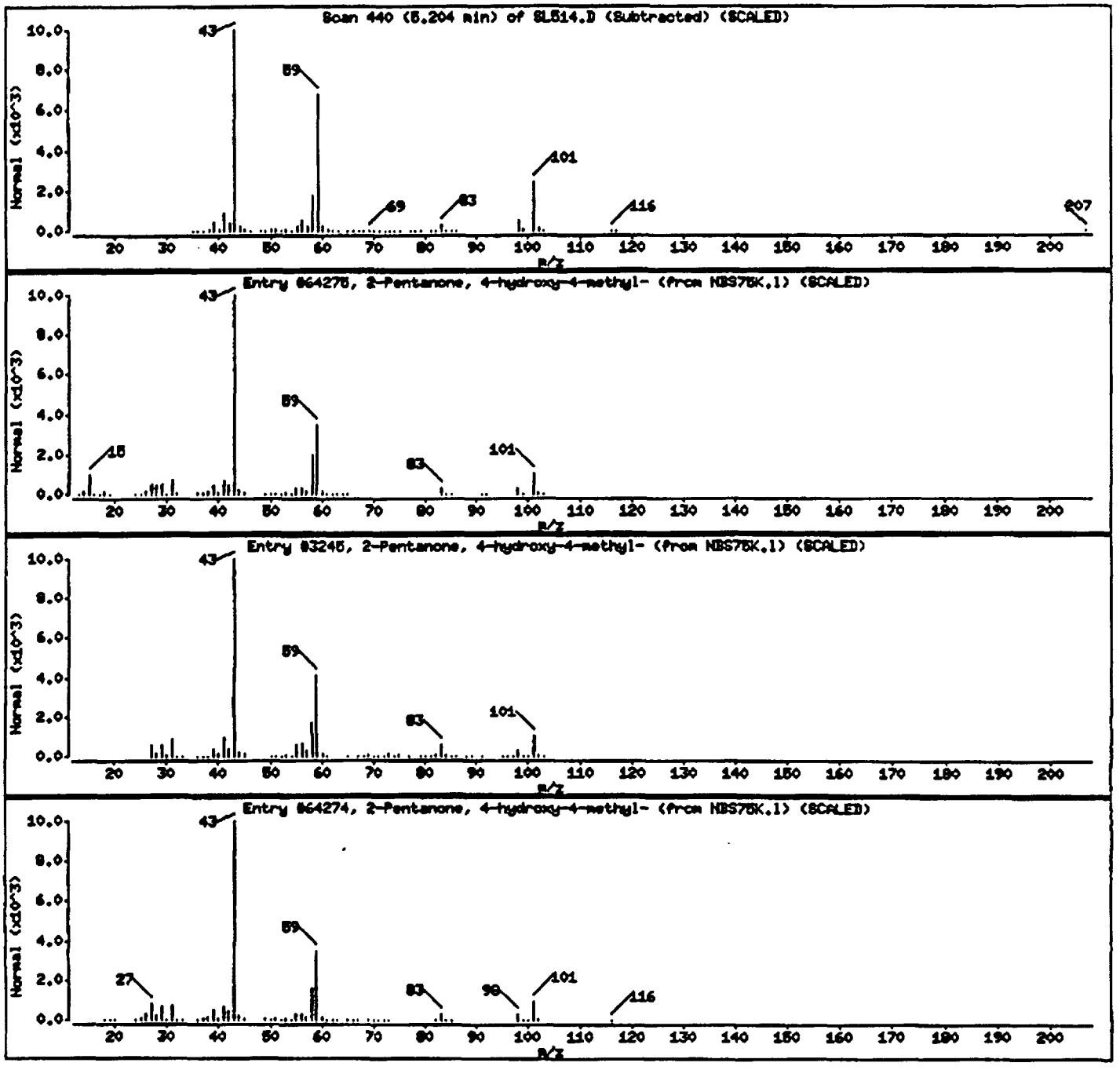
Volume Injected (uL): 2.0

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	50	C6H12O2	116



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

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

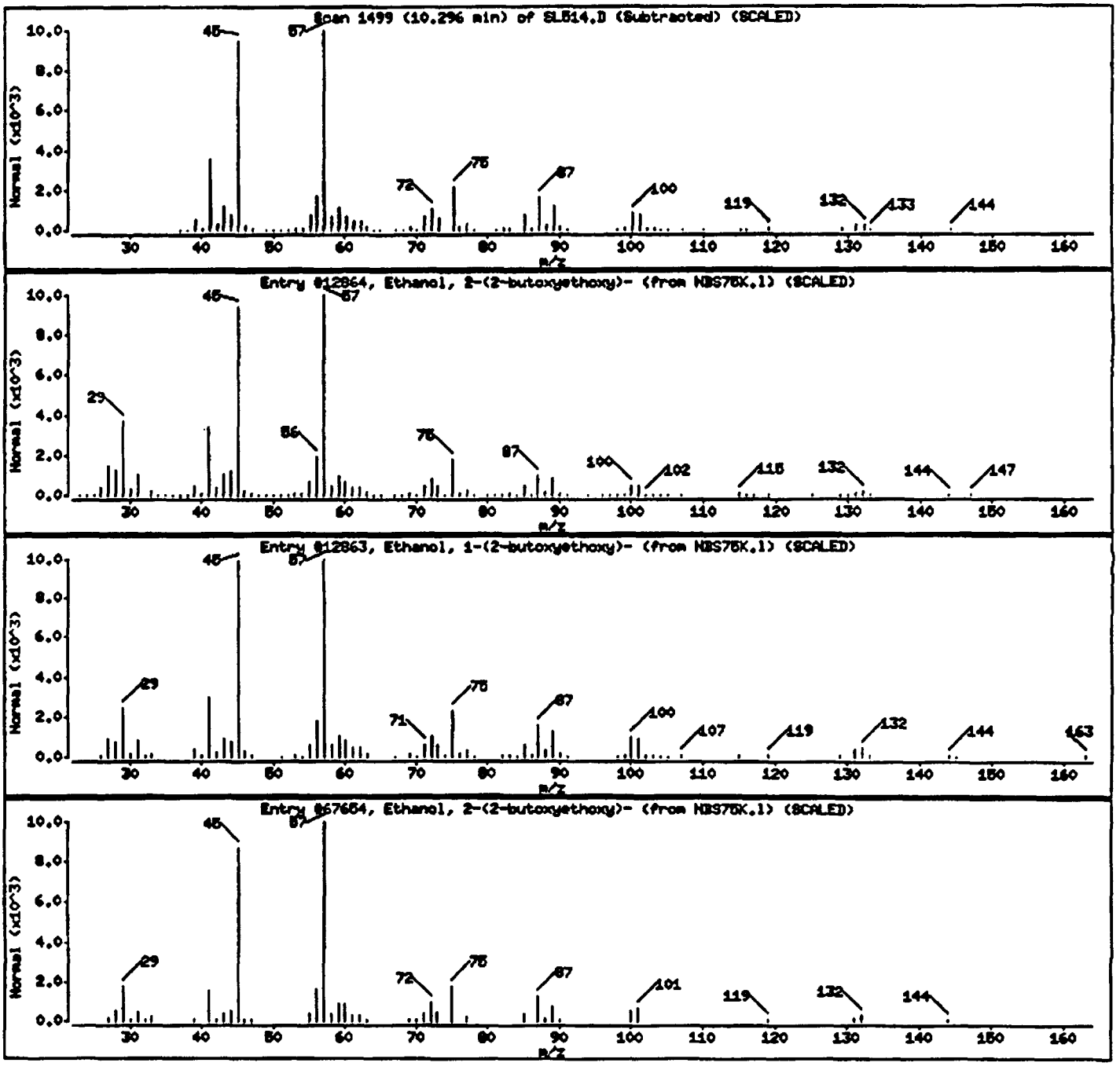
Volume Injected (uL): 2.0

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	C6H14O3	162
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.1	12863	90	C6H14O3	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.1	67654	83	C6H14O3	162



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnic10u,00929a,b,clp31,1-clp90,sub

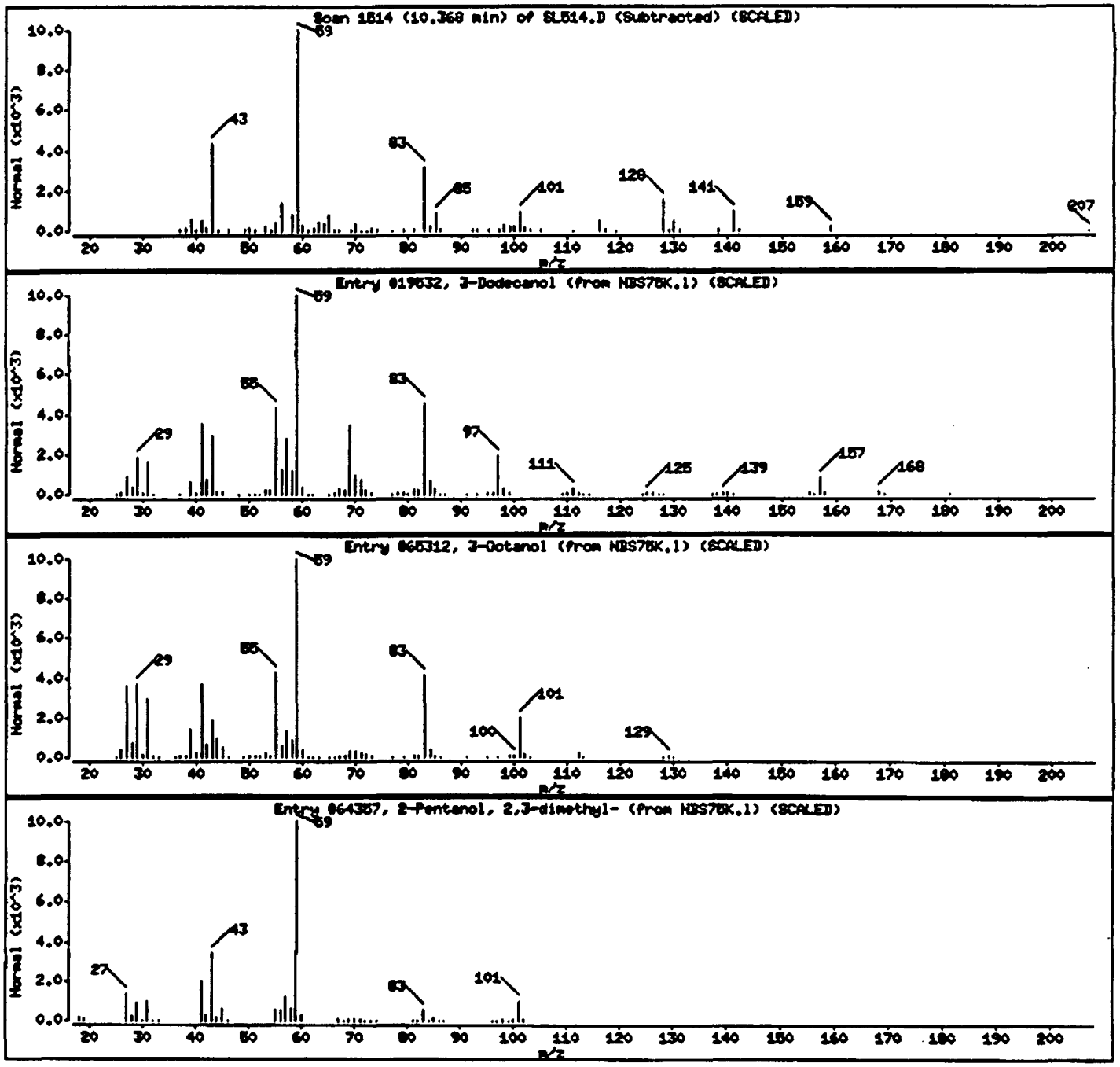
Volume Injected (uL): 2.0

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.1	19632	36	C12H26O	186
3-Octanol	589-98-0	NBS75K.1	65312	33	C8H18O	130
2-Pentanol, 2,3-dimethyl-	4911-70-0	NBS75K.1	64357	33	C7H16O	116



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

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

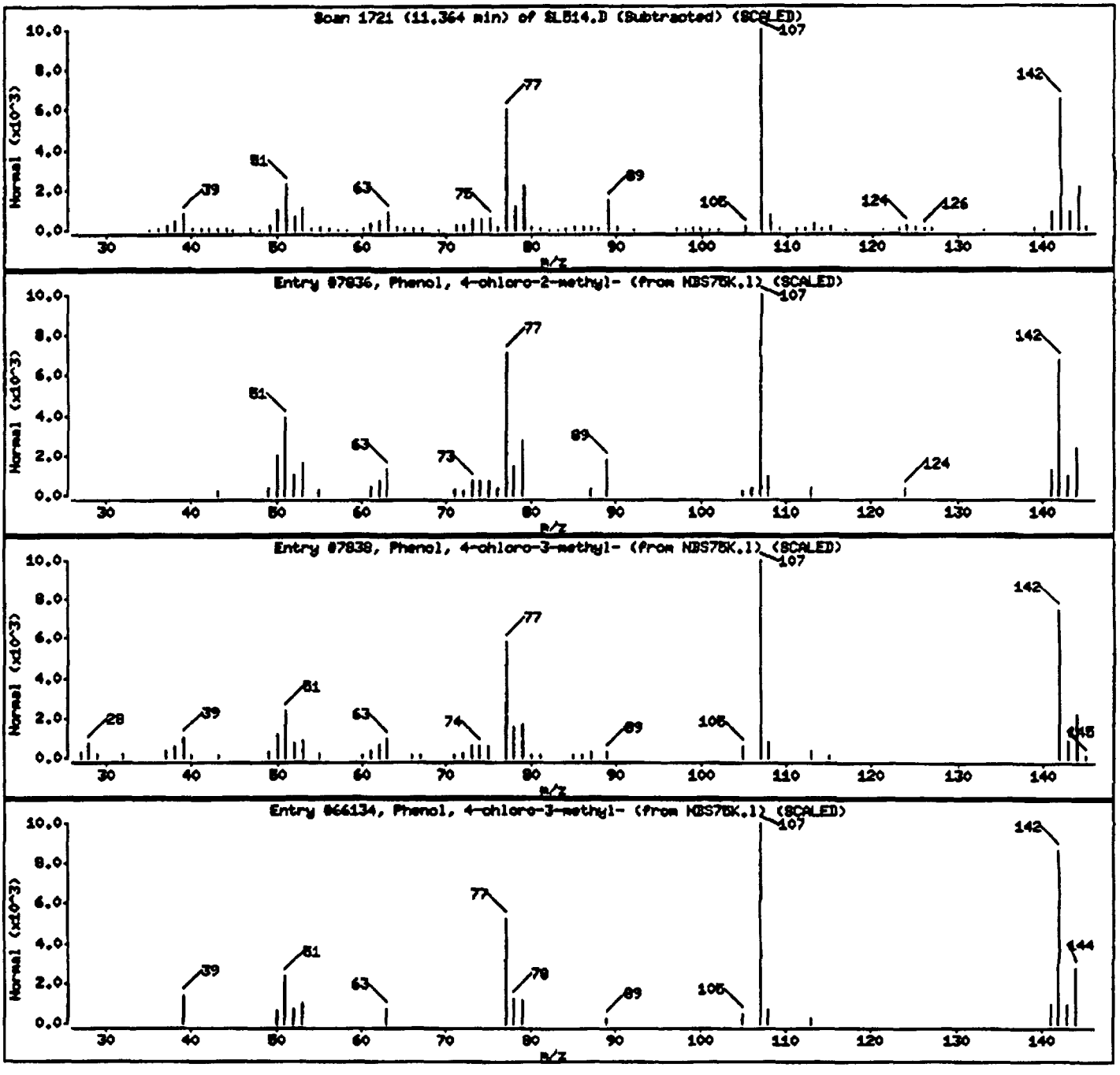
Volume Injected (uL): 2.0

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.1	7836	96	C7H7ClO	142
Phenol, 4-chloro-3-methyl-	59-50-7	NBS75K.1	7838	95	C7H7ClO	142
Phenol, 4-chloro-3-methyl-	59-50-7	NBS75K.1	66134	93	C7H7ClO	142



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

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

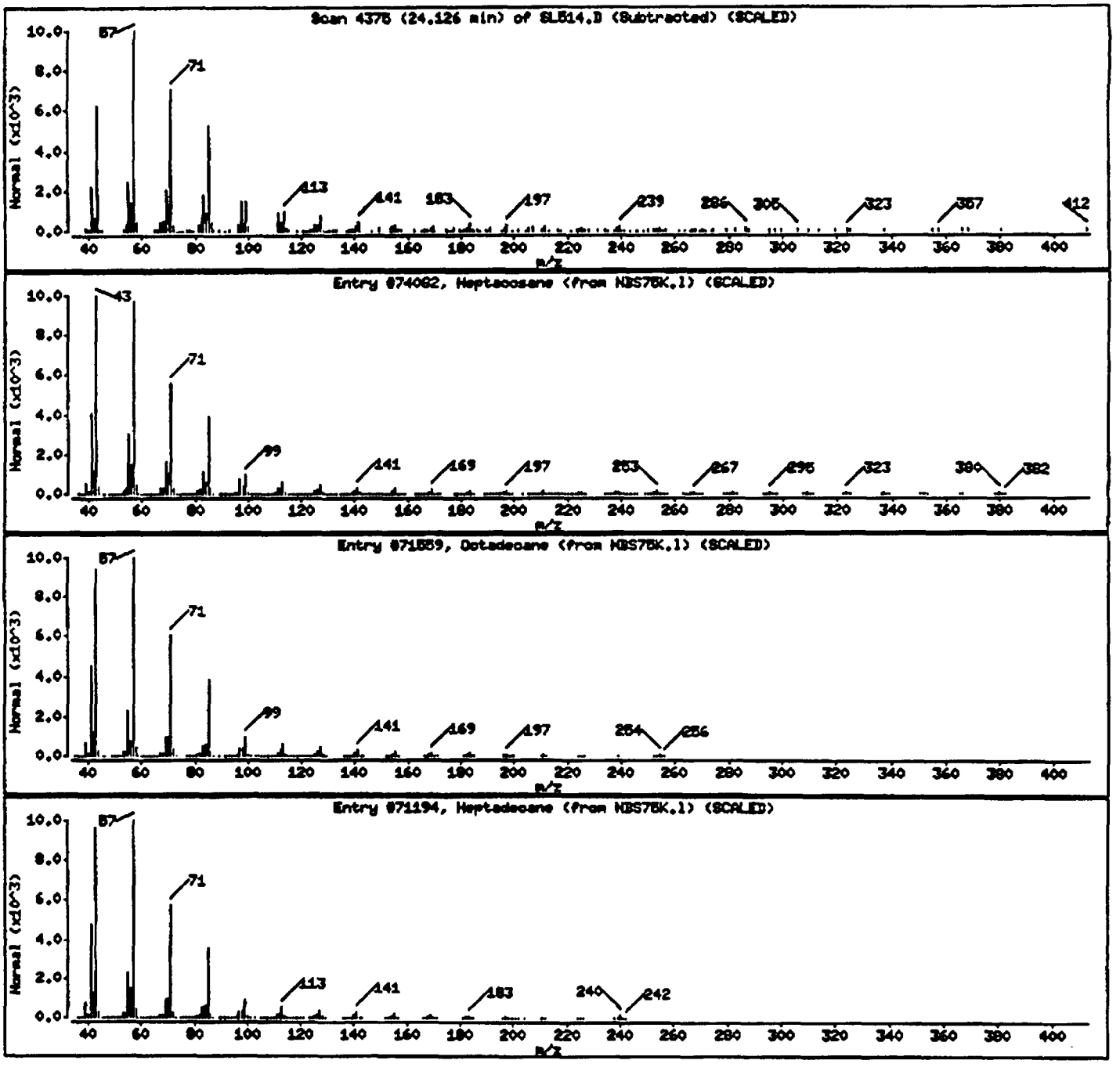
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptacosane	593-49-7	NBS75K.1	74082	96	C27H56	380
Octadecane	593-45-3	NBS75K.1	71559	93	C18H38	254
Heptadecane	629-78-7	NBS75K.1	71194	91	C17H36	240



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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

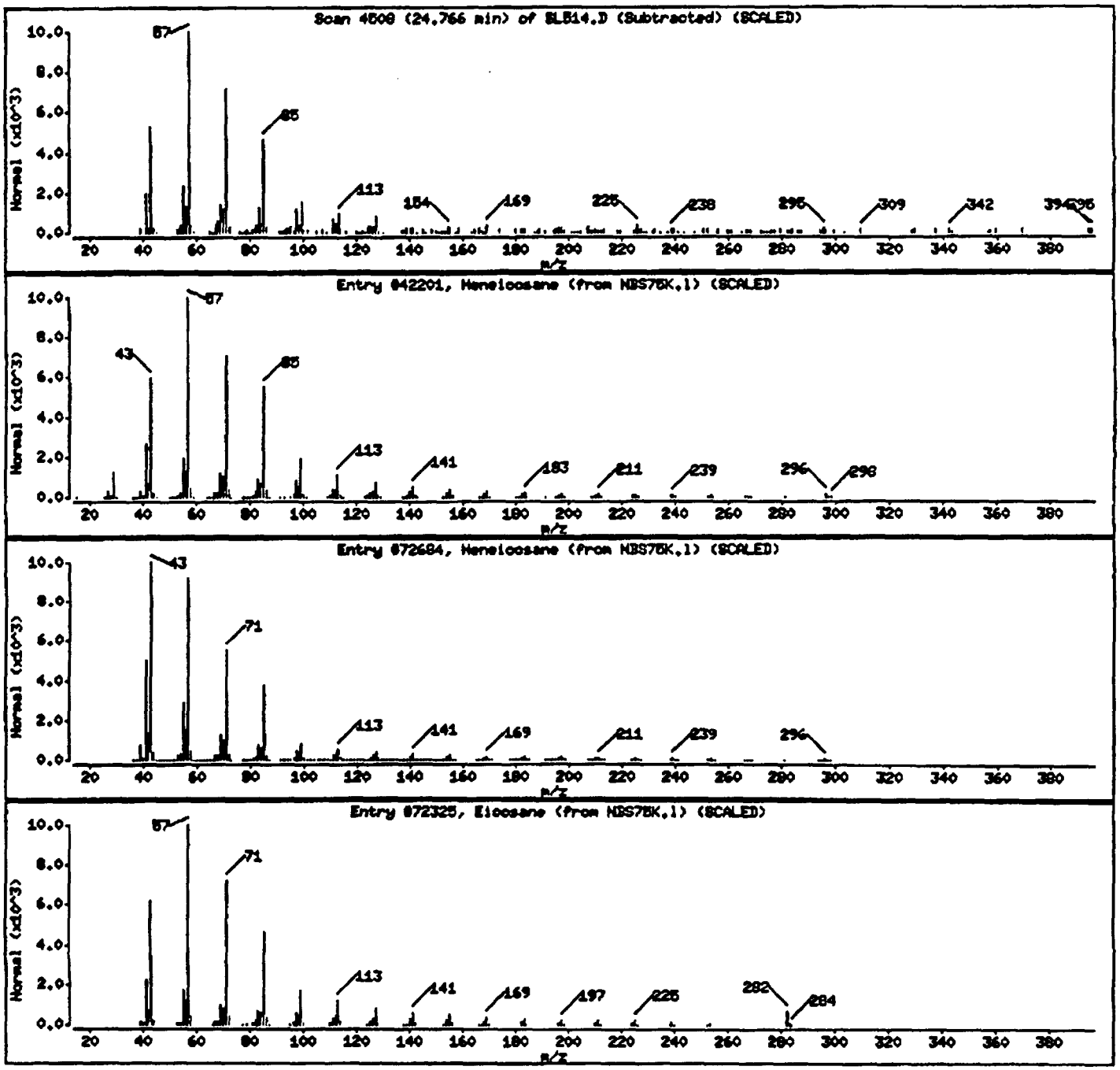
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
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



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnkl0u,00929a.b,olp31,1-olp90.sub

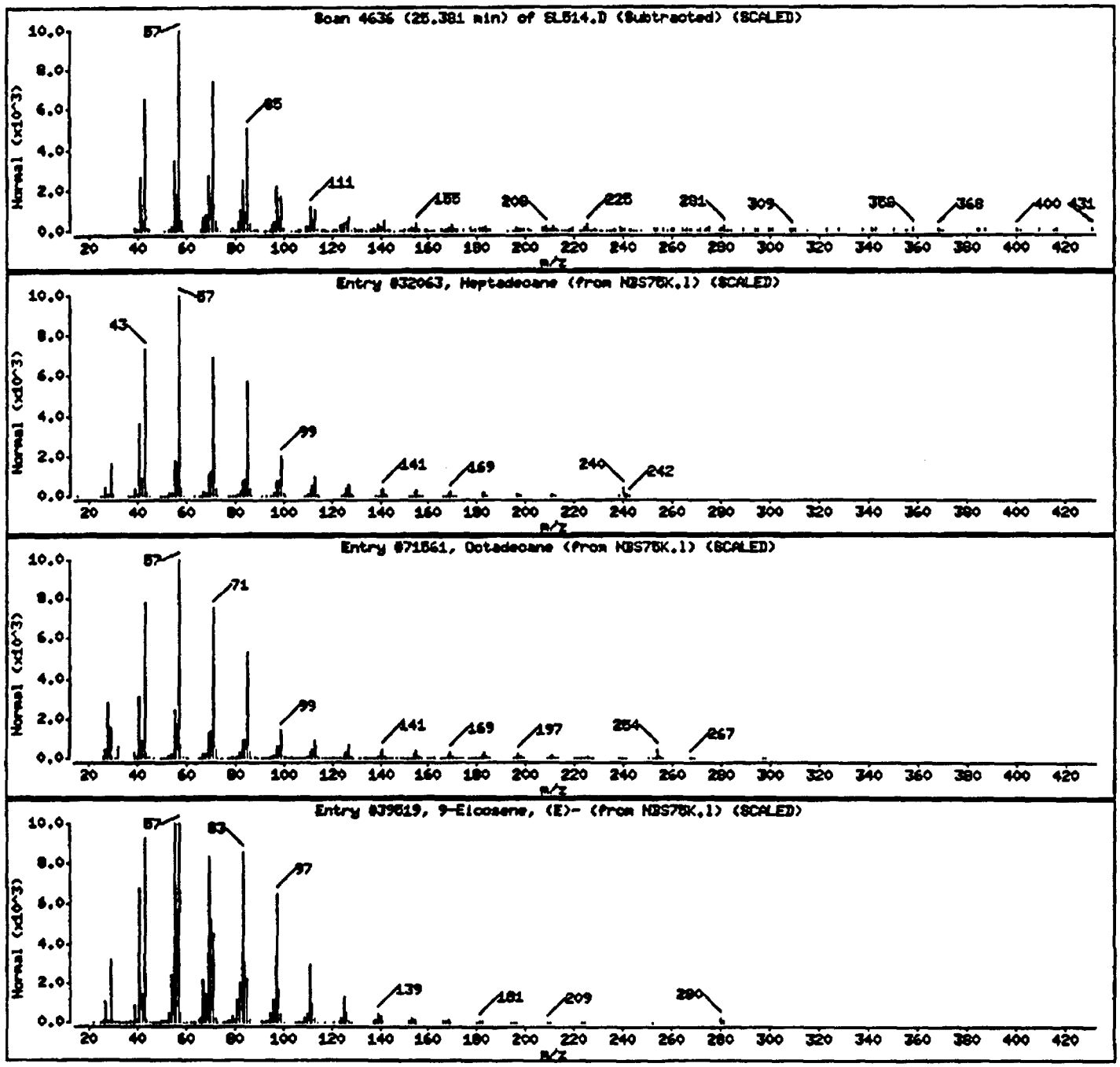
Volume Injected (uL): 2.0

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	32063	96	C17H36	240
Octadecane	593-45-3	NBS75K.l	71561	95	C18H38	254
9-Eicosene, (E)-	74685-29-3	NBS75K.l	39619	91	C20H40	280



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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

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

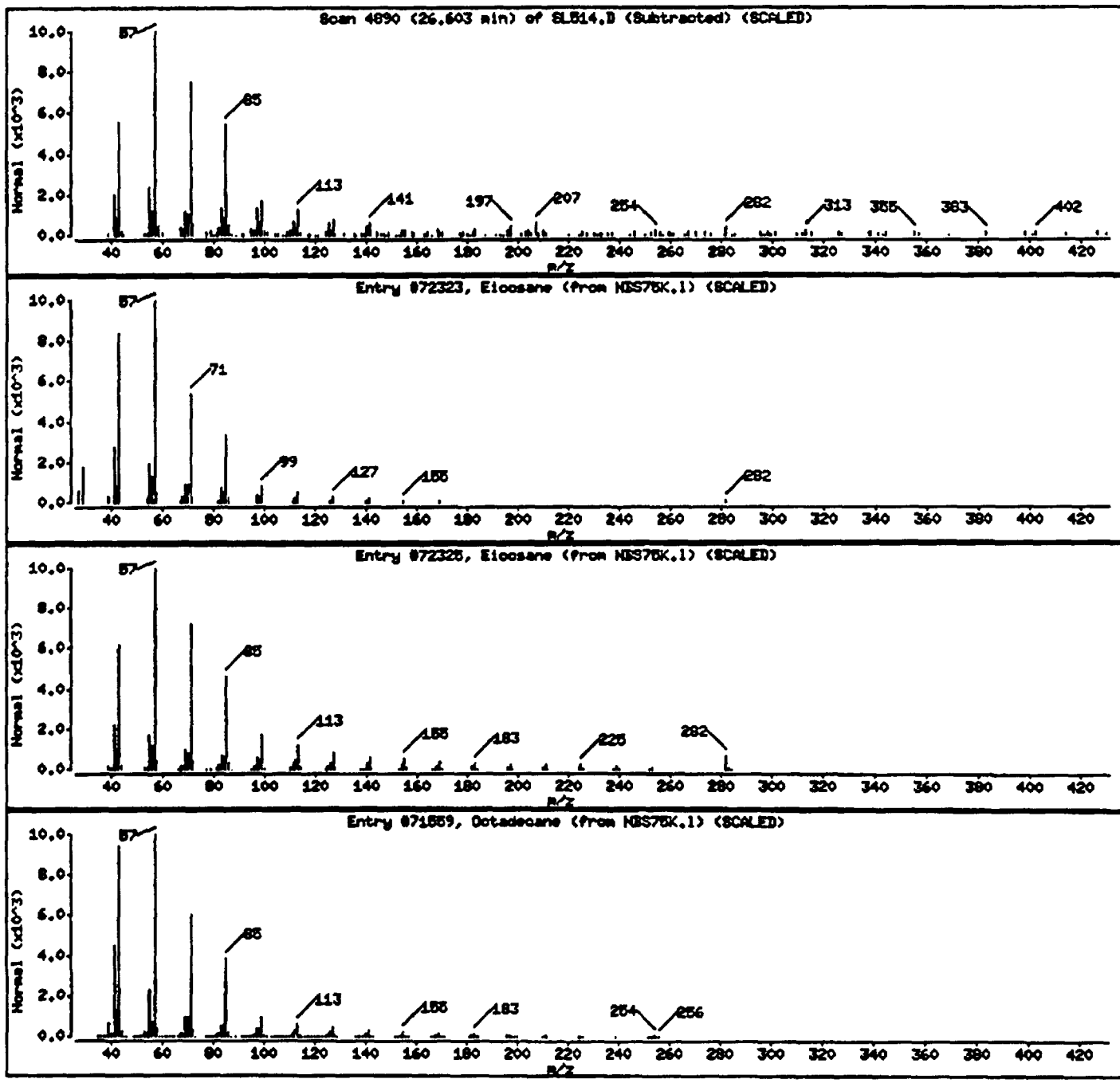
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
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: djrnkl0u,00929a.b,olp31,1-olp90.sub

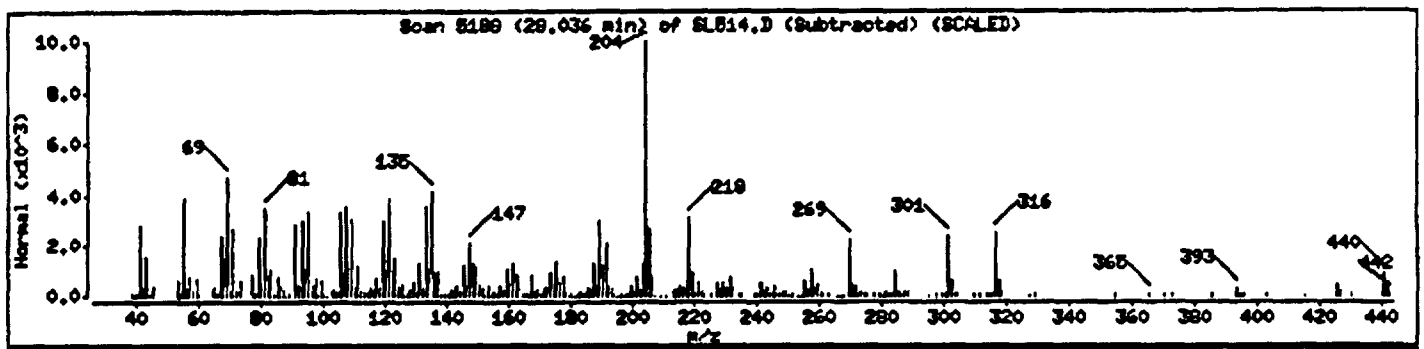
Volume Injected (uL): 2.0

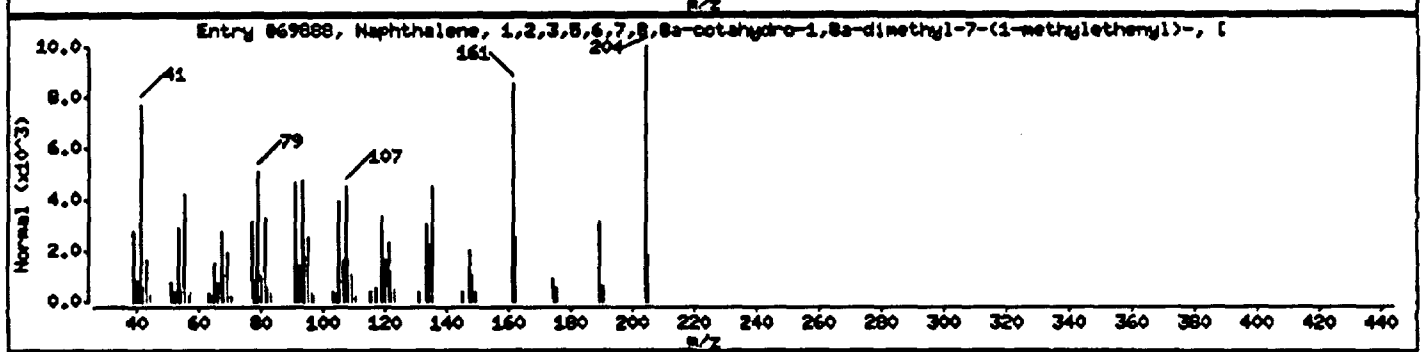
Operator: 001574

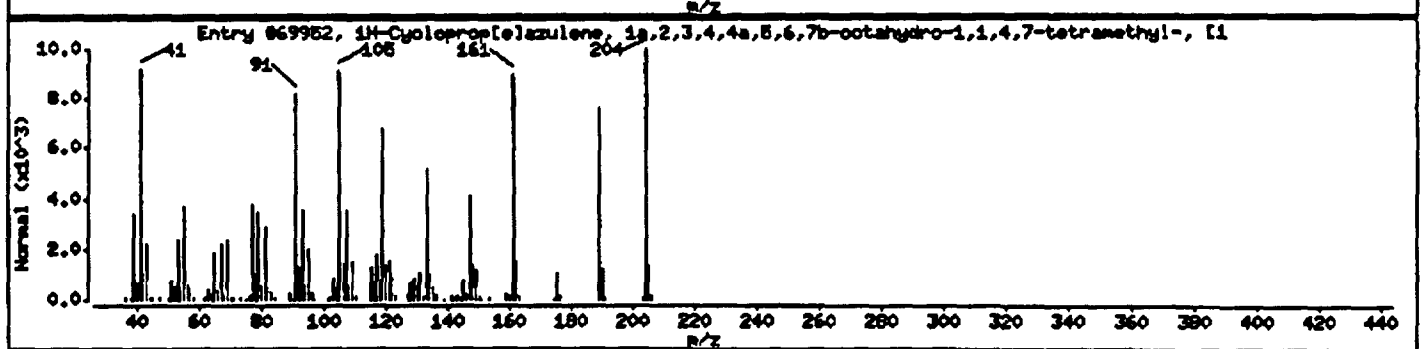
Column phase:

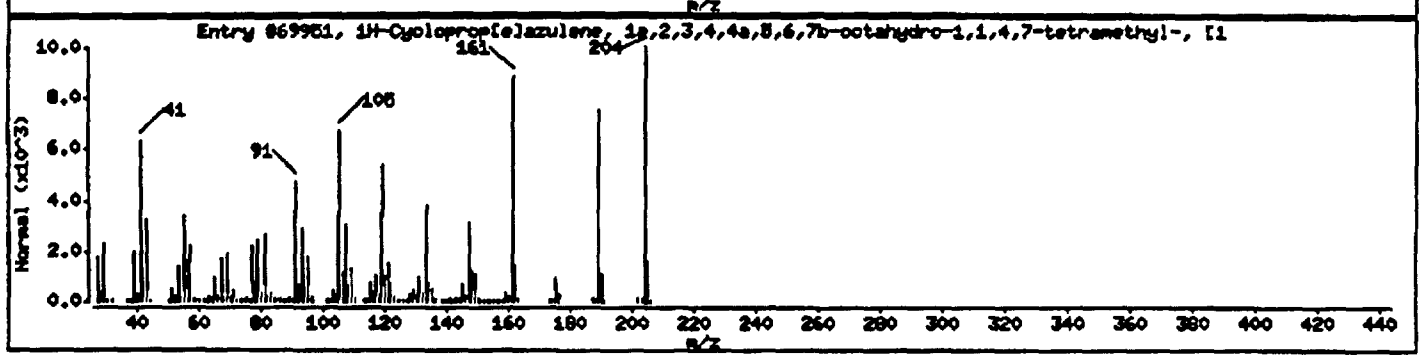
Column diameter: 2.00

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	69962	30	C15H24	204
1H-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69961	30	C15H24	204









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Date : 29-SEP-2000 22:56

Client ID: SL51-4'

Instrument: a4hp8.i

Sample Info: djrnkl0u,00929a,b,olp31,1-olp90,sub

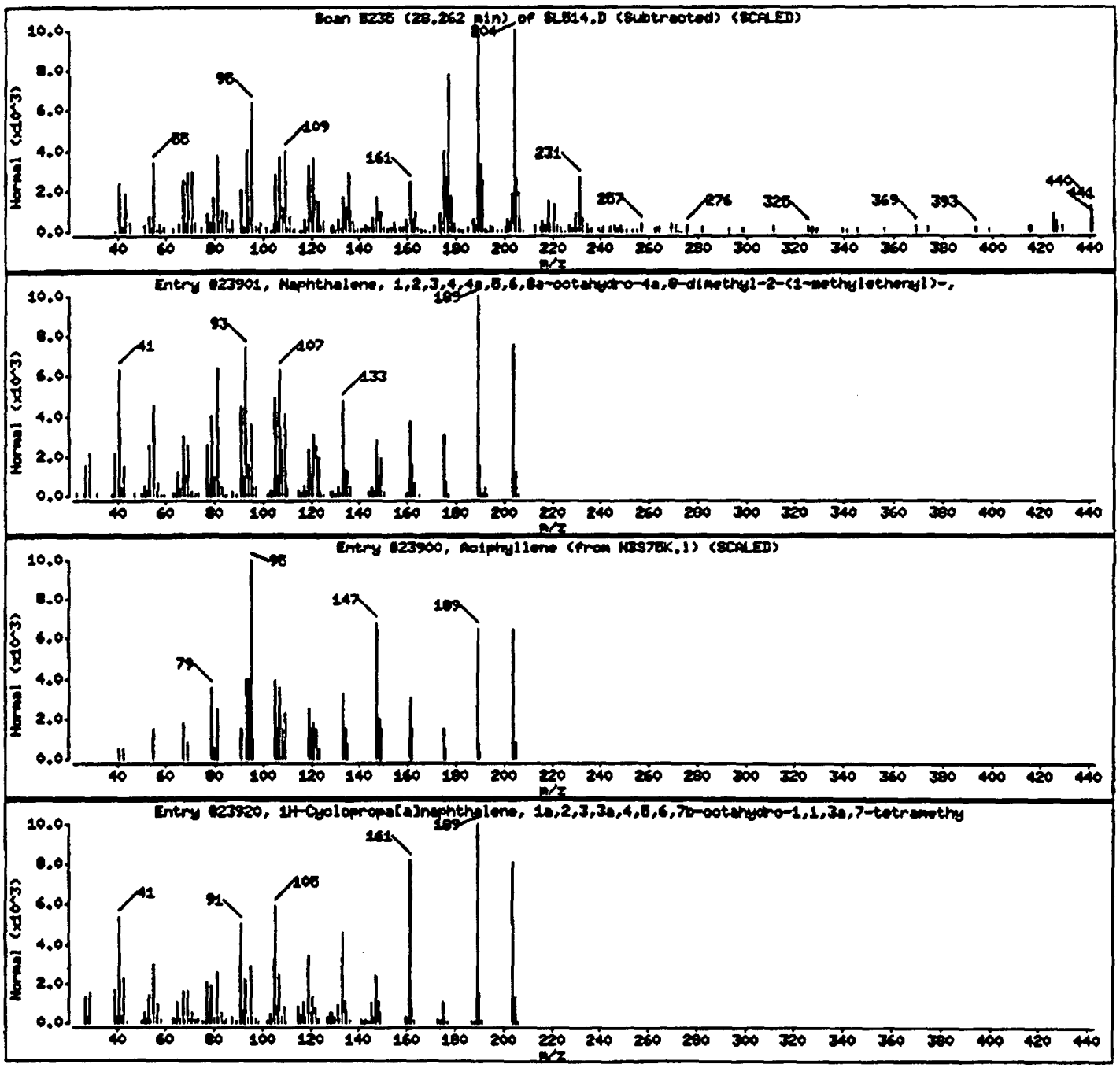
Volume Injected (uL): 2.0

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: djrnkiou,00929a.b,olp31,i-olp90,sub

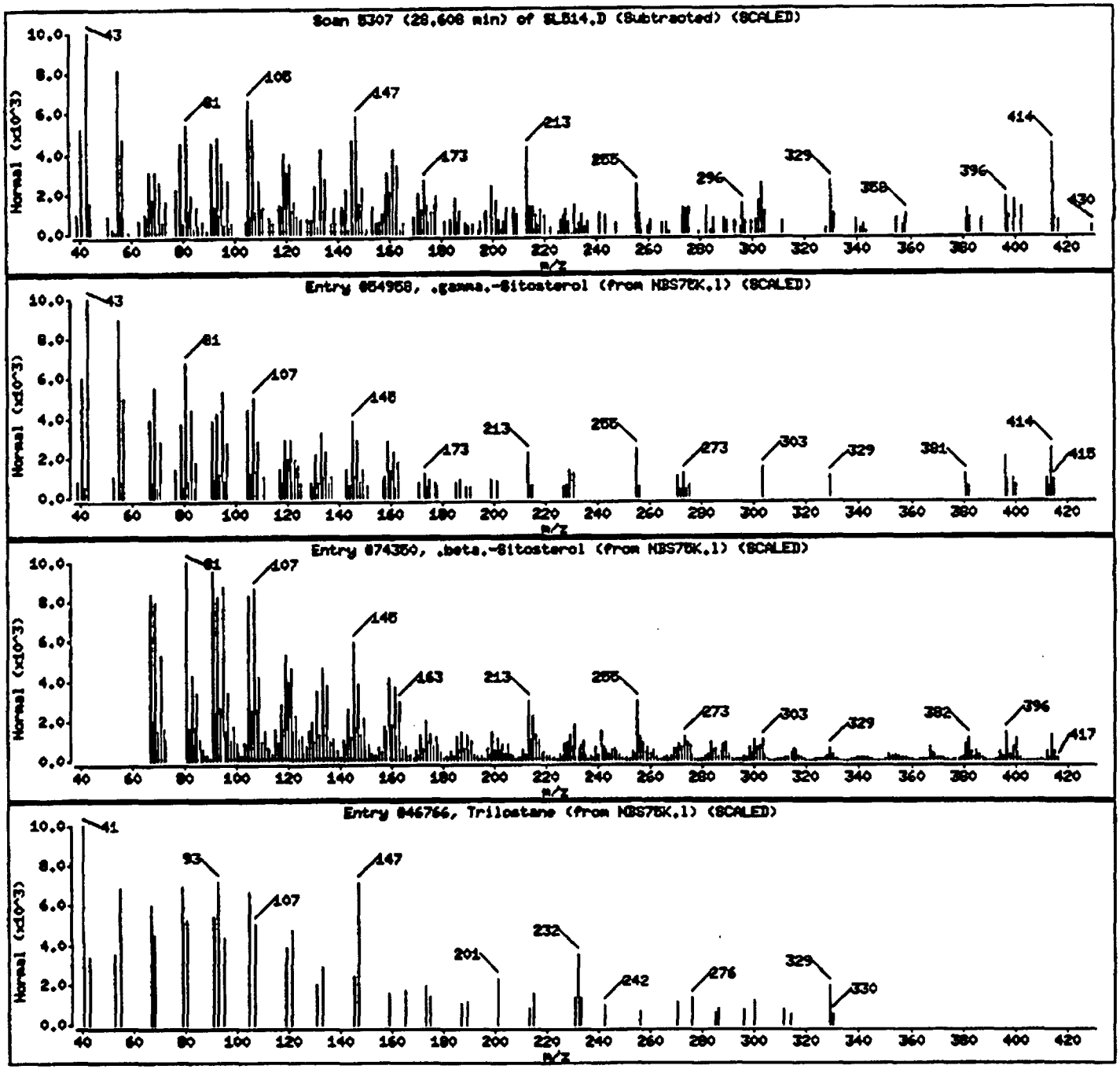
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.1	054958	60	C29H500	414
.beta.-Sitosterol	83-46-5	NBS75K.1	074350	27	C29H500	414
Trilostane	13647-35-3	NBS75K.1	046766	12	C20H27NO3	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

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)

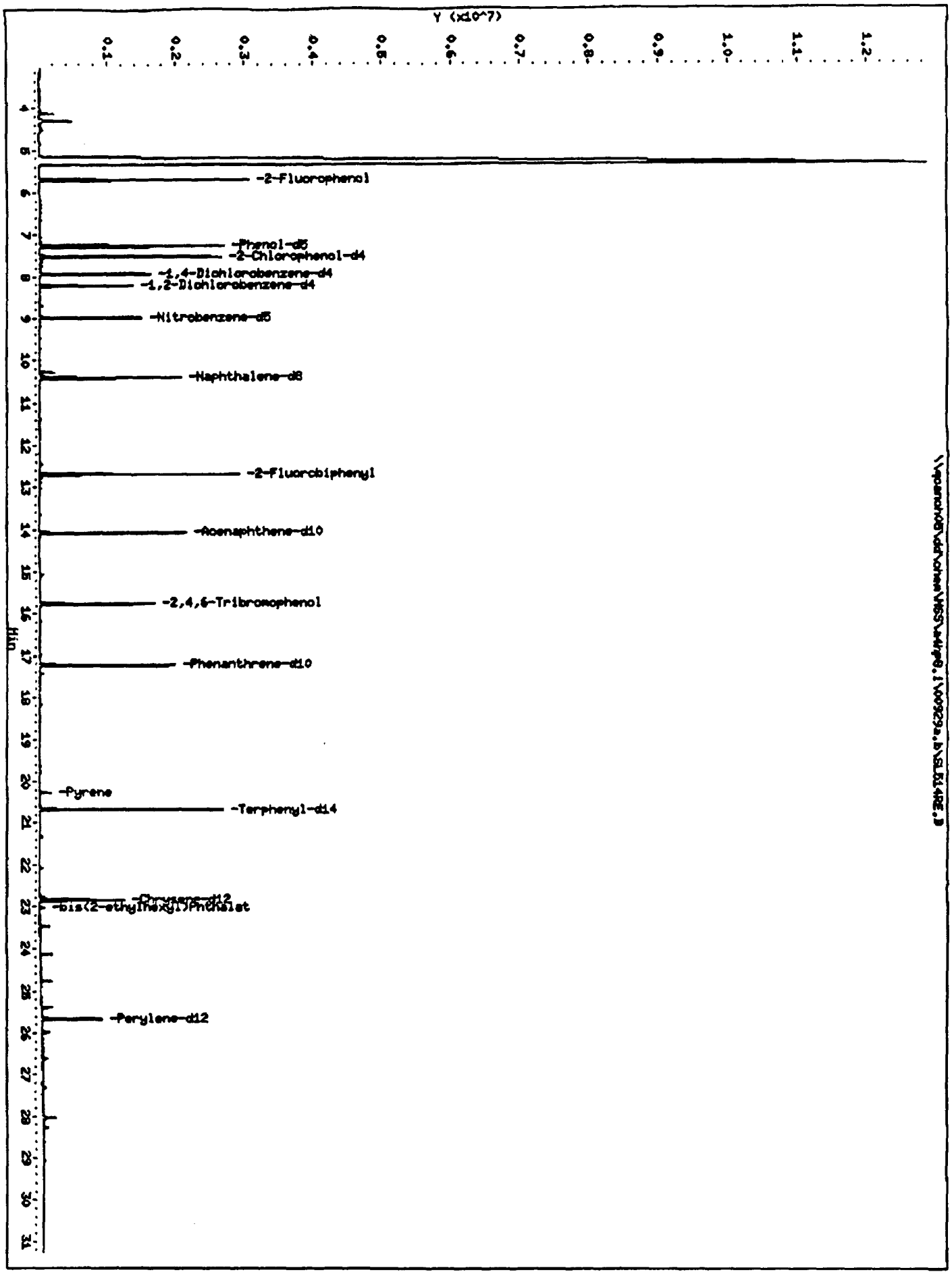
Sample WT/Vol: 30.05 / g Date Received: 09/01/00
Work Order: DJRNK20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:27

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


Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
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
-Pyrene
-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\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.					

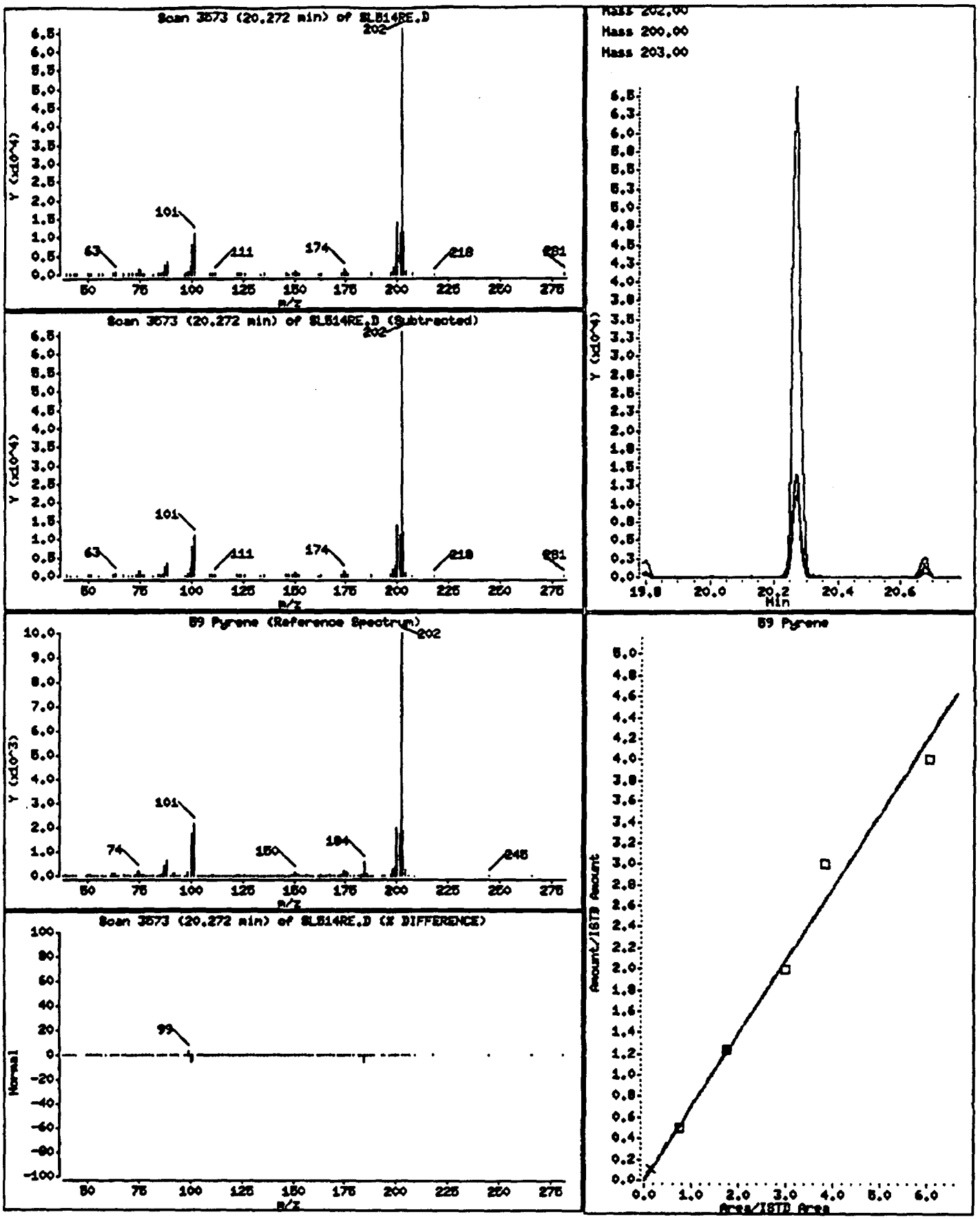
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					
18 Nitrobensene	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-Trichlorobensene	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

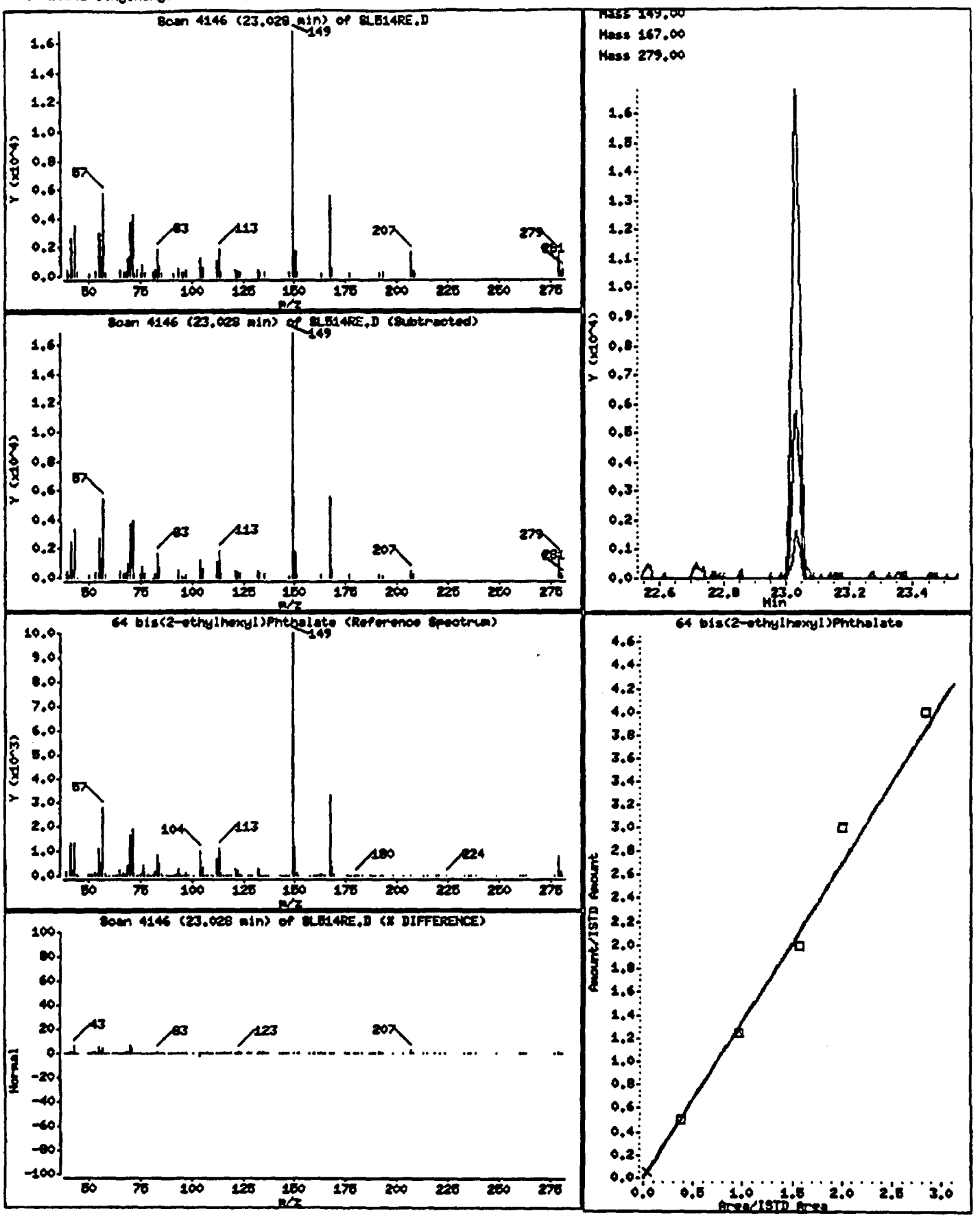
QC Flag Legend

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

59 Pyrene


Scan 3673 (20.272 min) of SL514RE.D
Scan 3673 (20.272 min) of SL514RE.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3673 (20.272 min) of SL514RE.D (% DIFFERENCE)
Y (x10^4)
Y (x10^3)
Normal
M/Z
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	60848708	1357.14587	22000	99		0	1

RT	AREA	CONCENTRATIONS ON-COL(MG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	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	6
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: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SLB14RE.D

Date : 30-SEP-2000 04:49

Client ID: SLB1-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a,b,olp31,1-olp90,sub

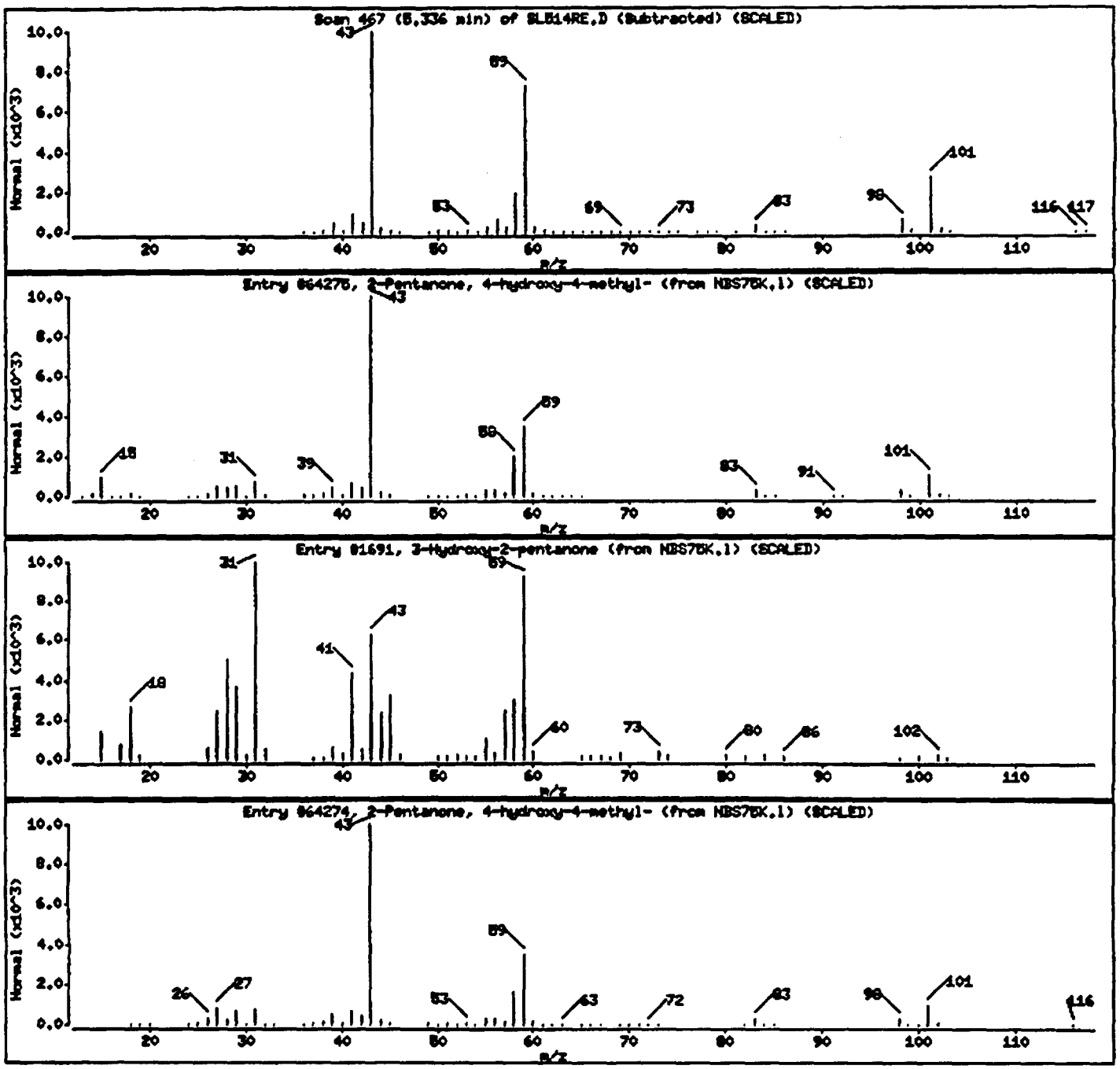
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aldol Condensate						
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
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	32	C6H12O2	116



Data File: \\wpanch05\dd\chem\MSS\a4hp8.i\00929a.b\SLB14RE.D

Date : 30-SEP-2000 04:49

Client ID: SLB1-4'

Instrument: a4hp8.i

Sample Info: djrnk20u,00929a.b,clp31,1-clp90,sub

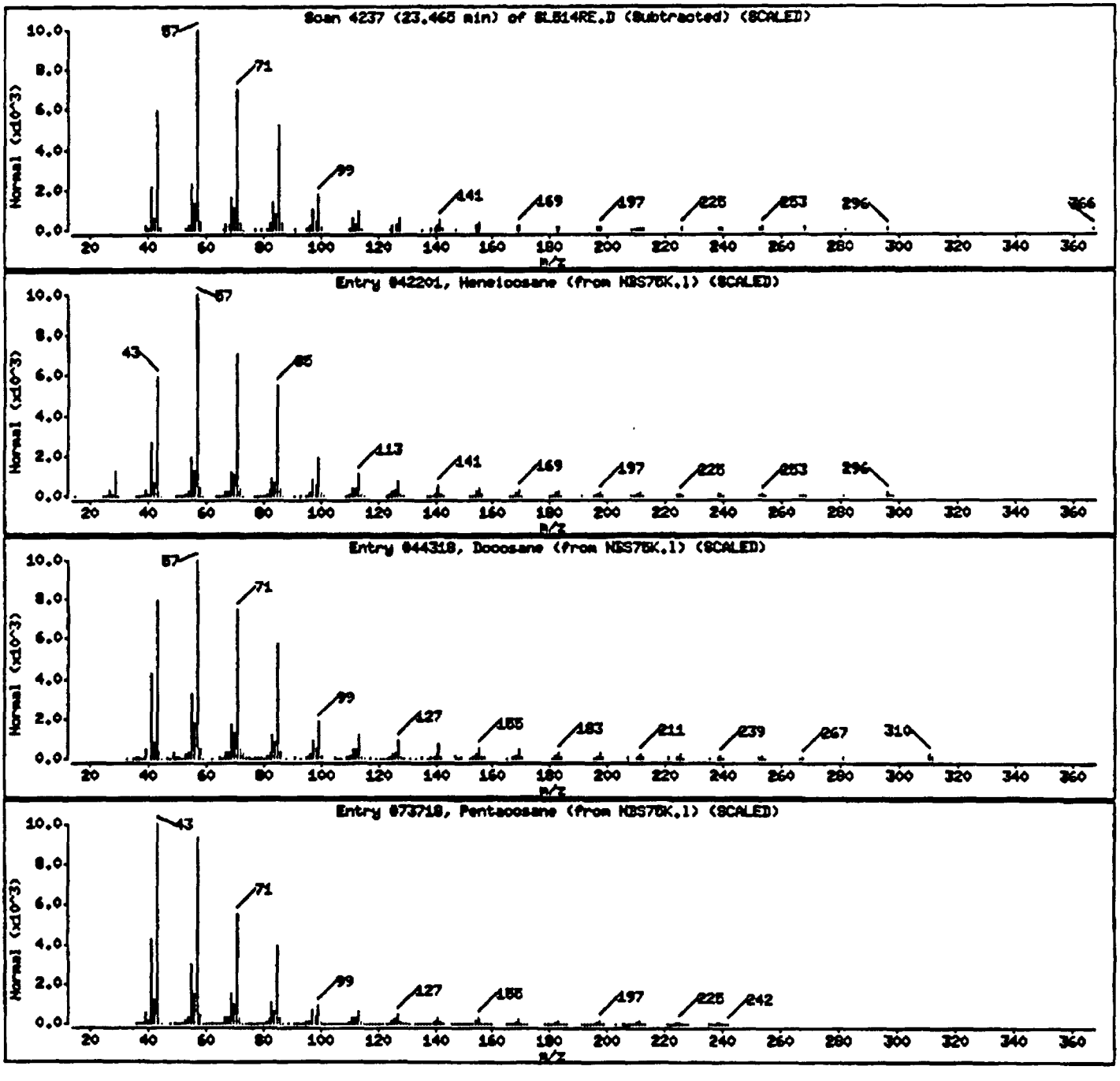
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heneicosane	629-94-7	NBS75K.1	42201	98	C21H44	296
Docosane	629-97-0	NBS75K.1	44318	91	C22H46	310
Pentacosane	629-99-2	NBS75K.1	73718	91	C25H52	352



Data File: \\qcancho5\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,olp31,1-olp90.sub

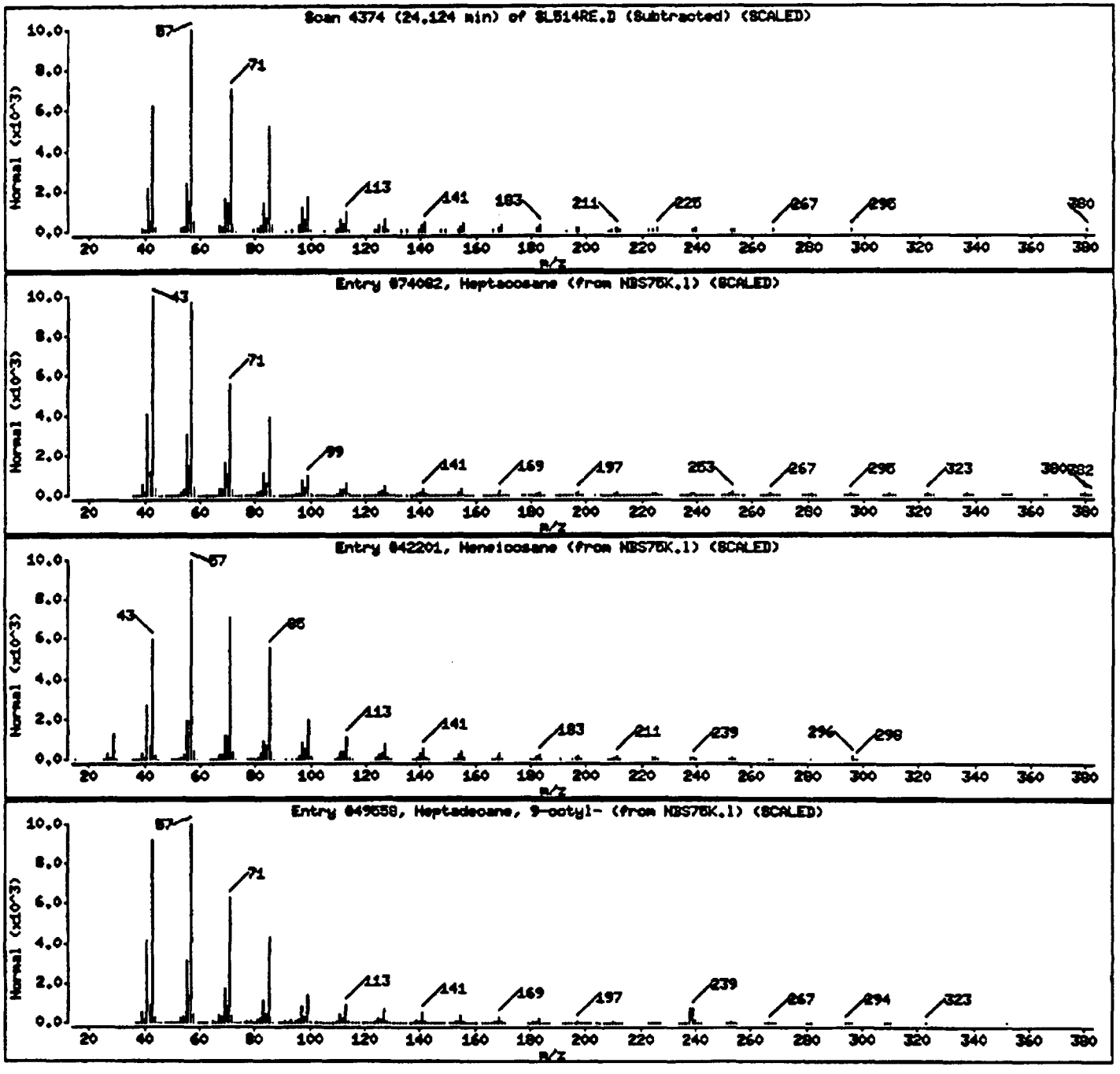
Volume Injected (uL): 2.0

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.i	74082	94	C27H56	380
Heneicosane	629-94-7	NBS75K.i	42201	91	C21H44	296
Heptadecane, 9-octyl-	7225-64-1	NBS75K.i	49658	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,clp31,i-clp90.sub

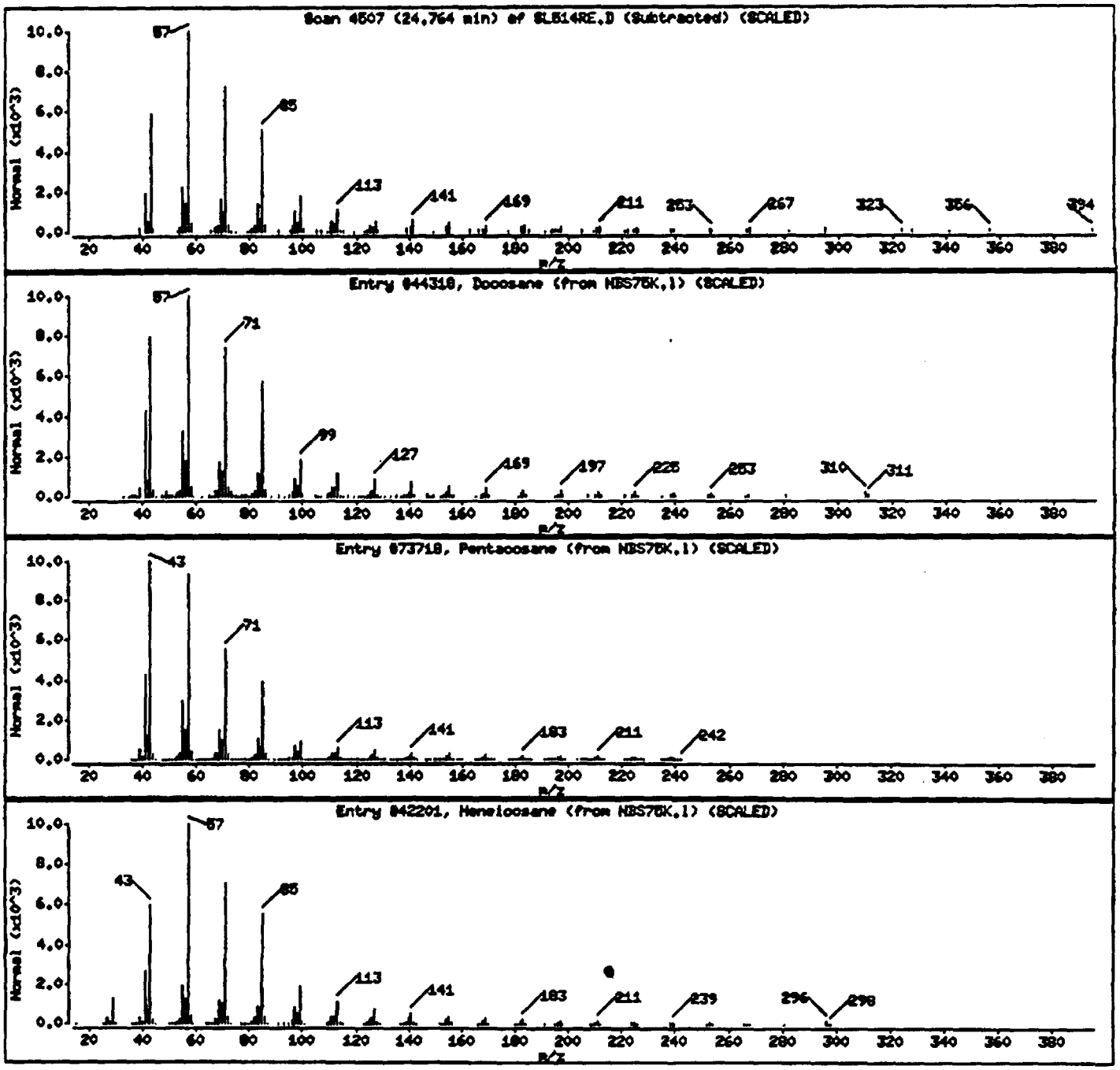
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
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,clp31,i-clp90,sub

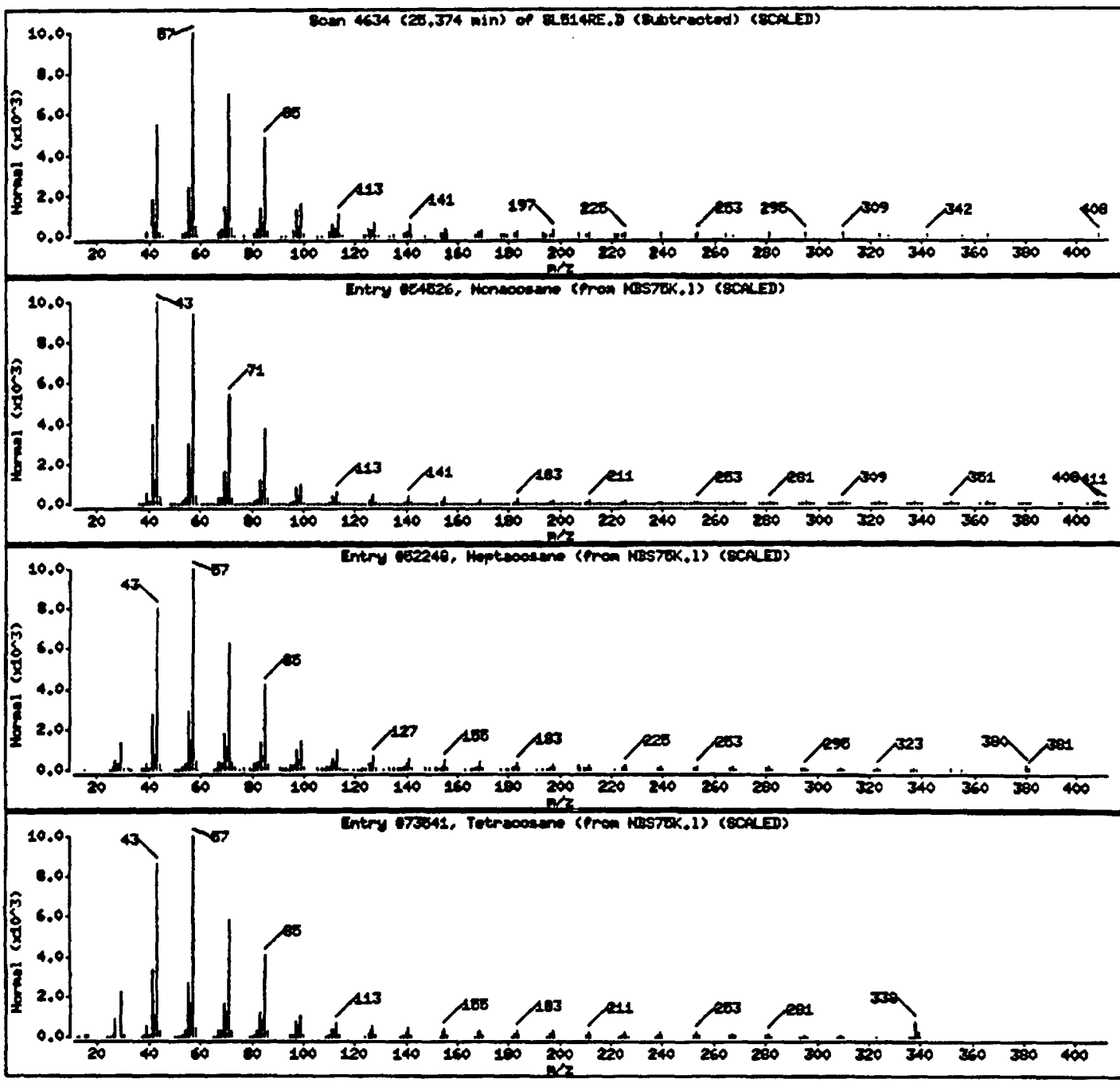
Volume Injected (uL): 2.0

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.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,i-olp90.sub

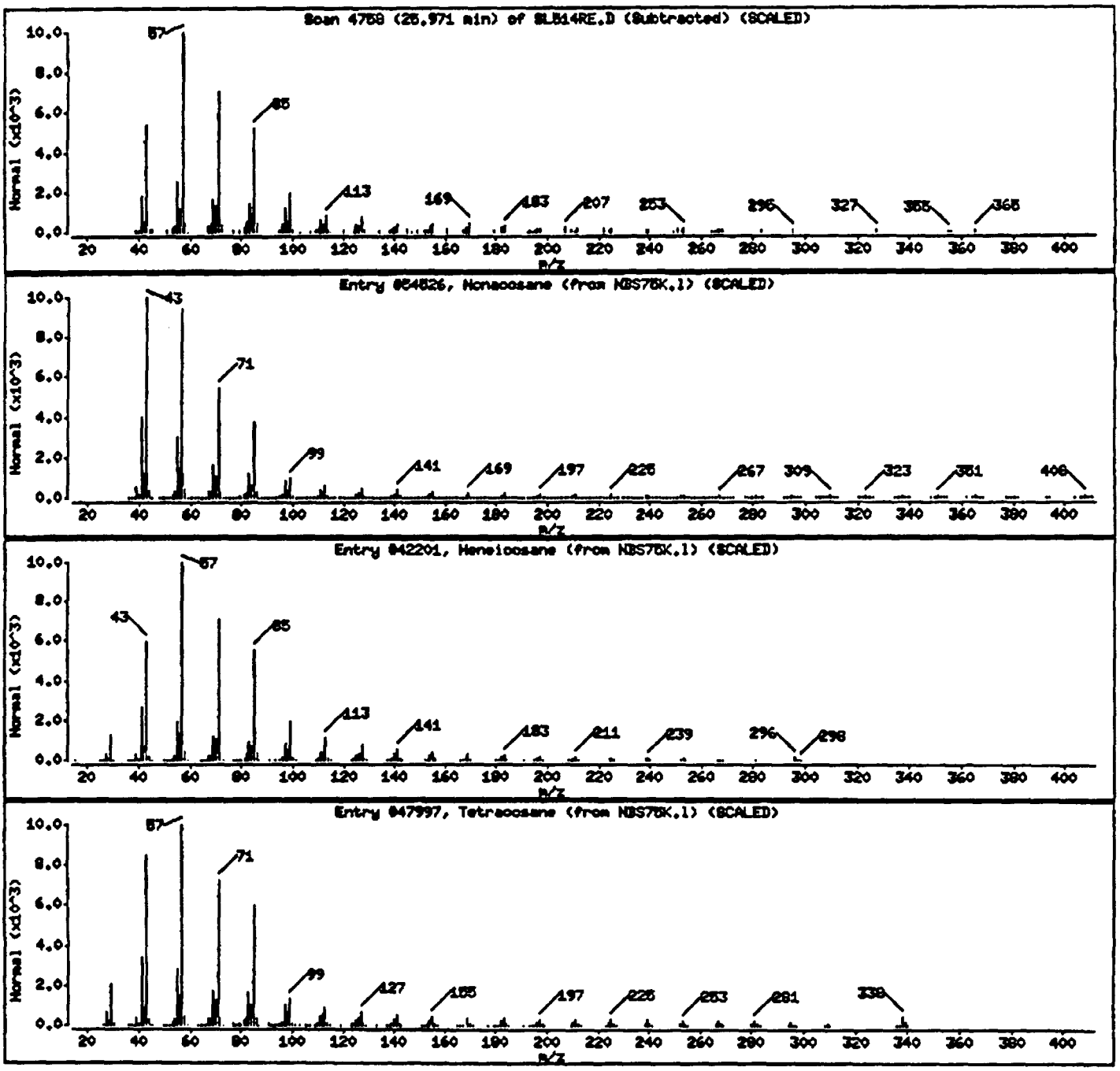
Volume Injected (uL): 2.0

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	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

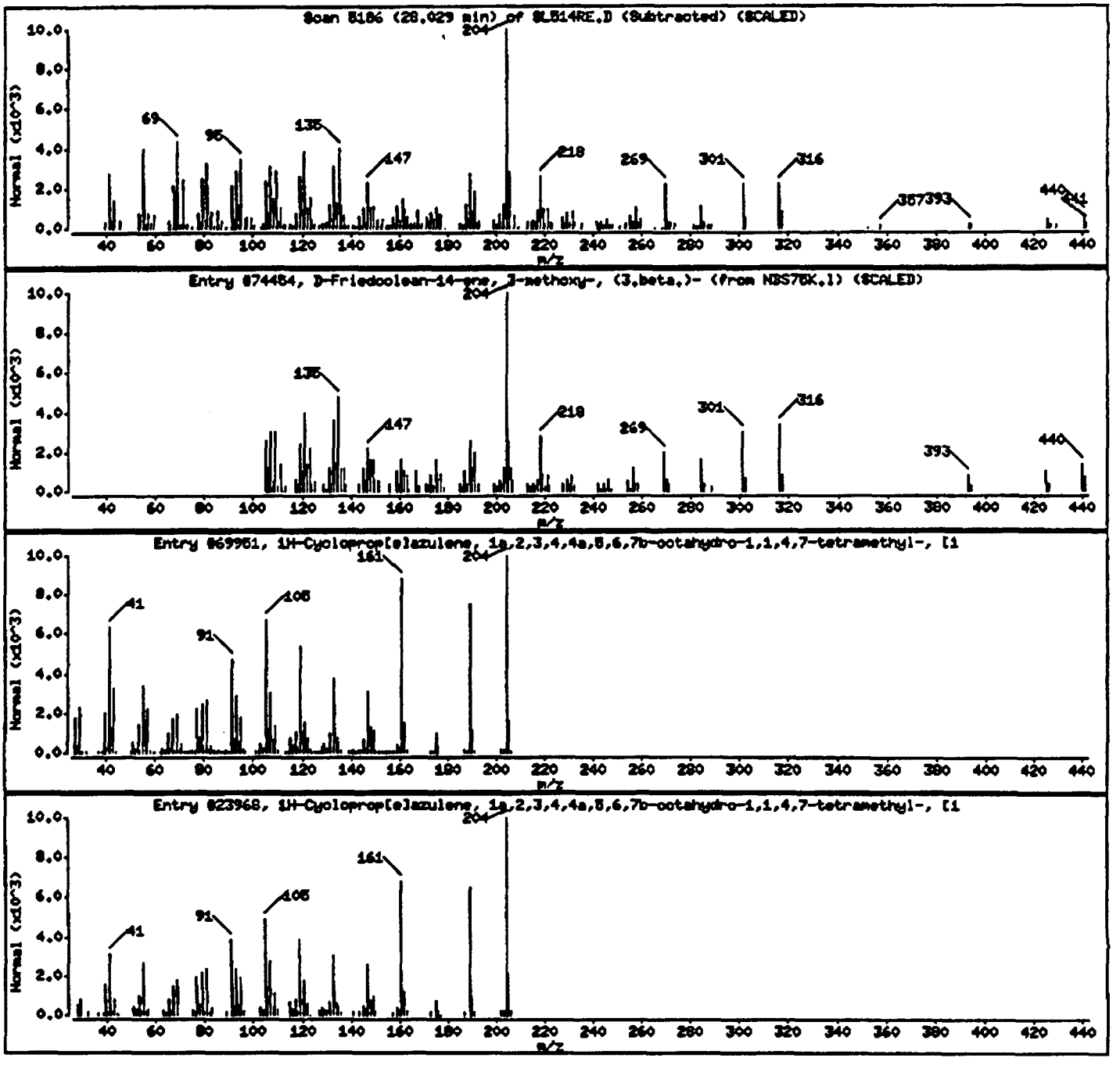
Volume Injected (uL): 2.0

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-Cycloprop[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69951	47	C15H24	204
1H-Cycloprop[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

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)

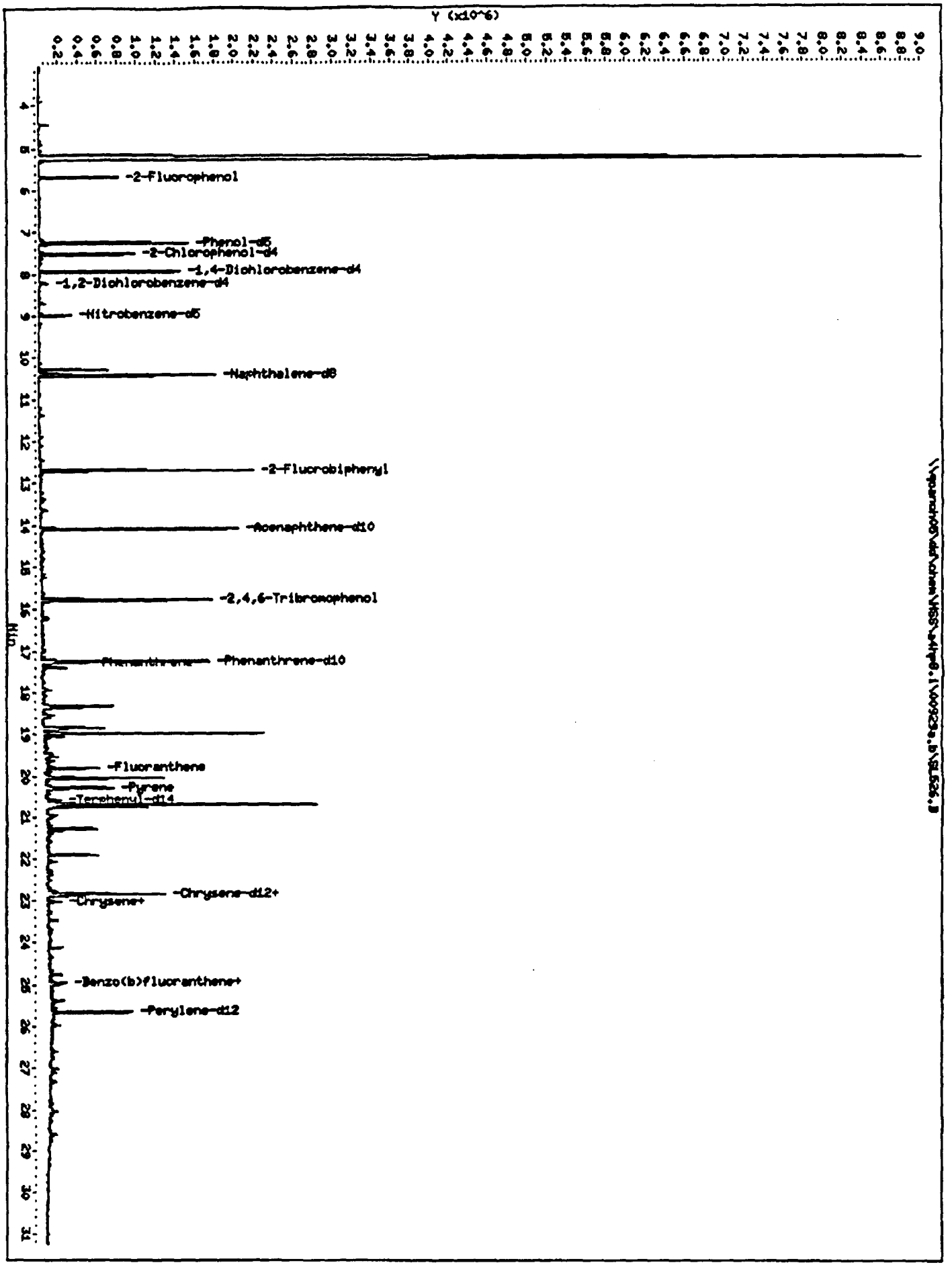
Sample WT/Vol: 30.01 / g Date Received: 09/01/00
Work Order: DJRNM10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/29/00
Moisture %:35

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)
-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
Min

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.					

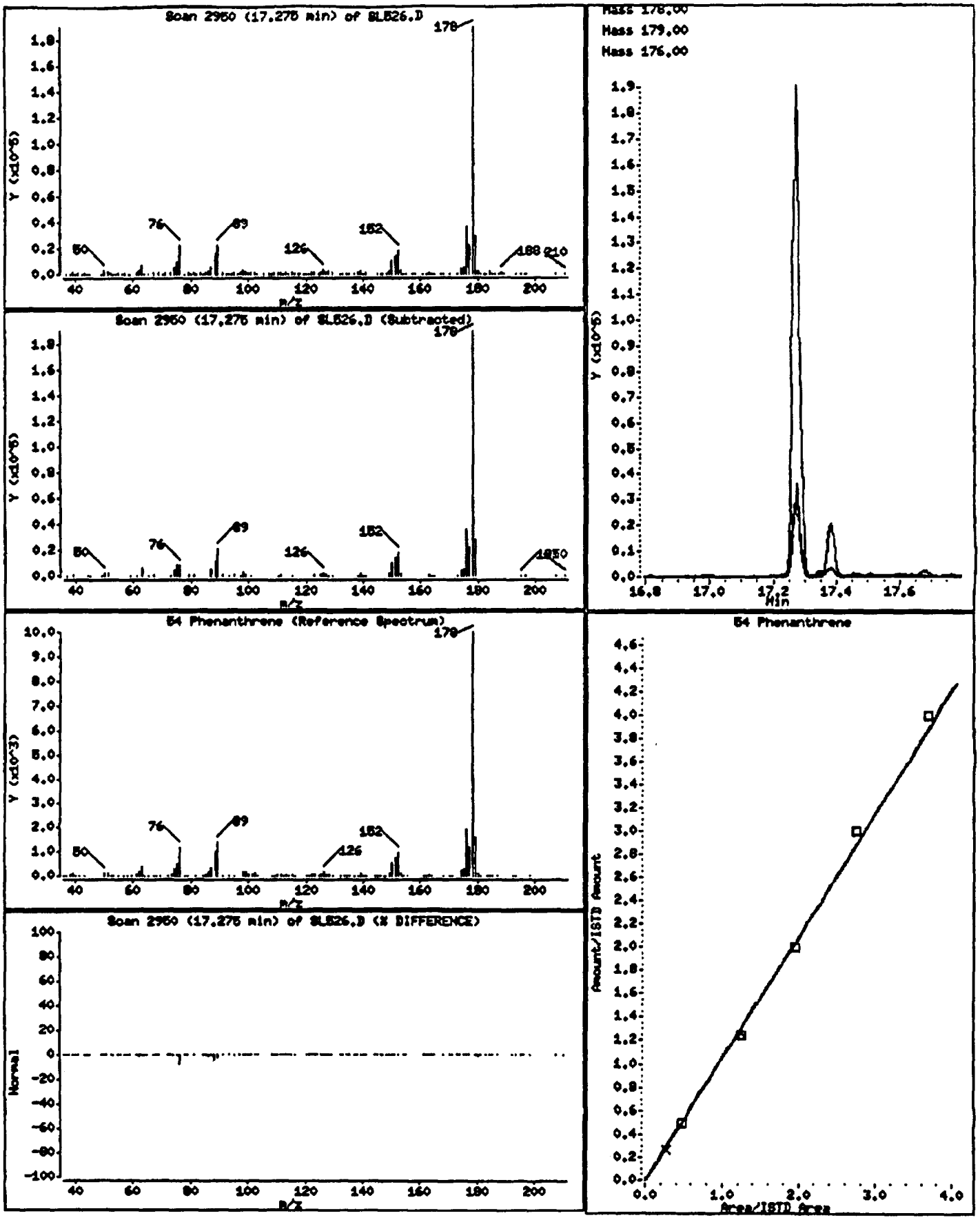
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	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)	CONCENTRATIONS 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)

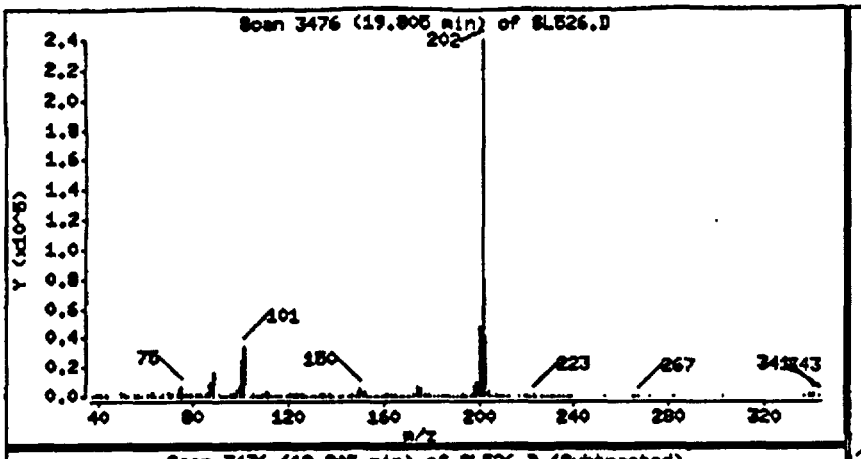
QC Flag Legend

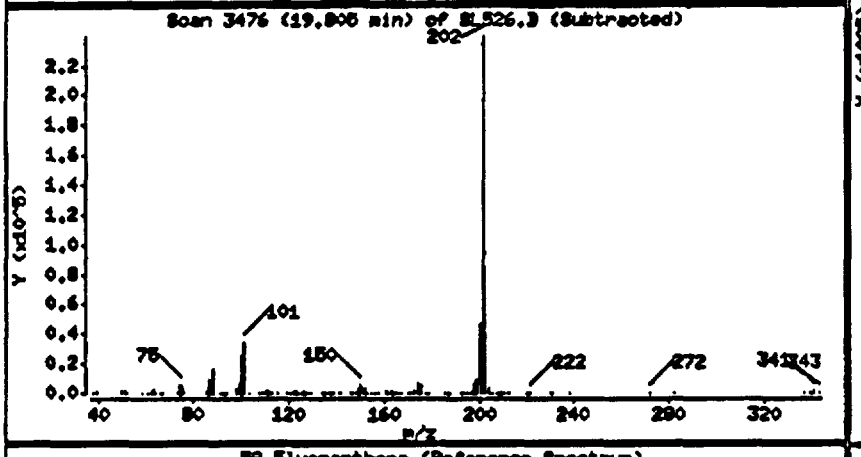
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

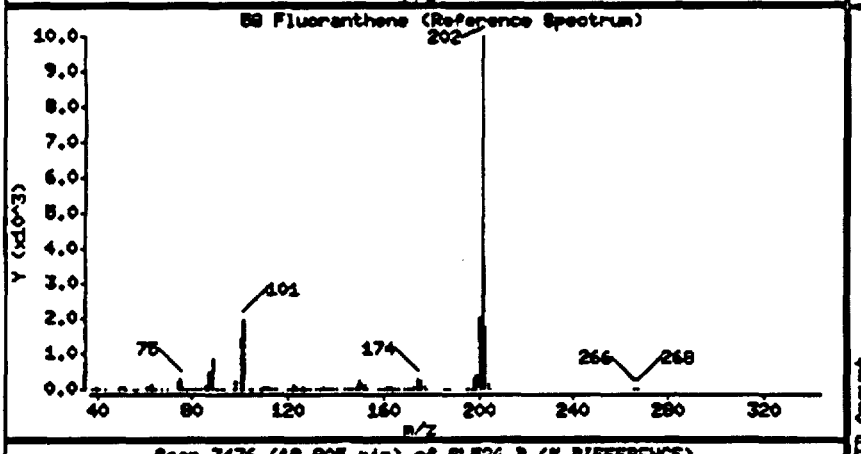
54 Phenanthrene

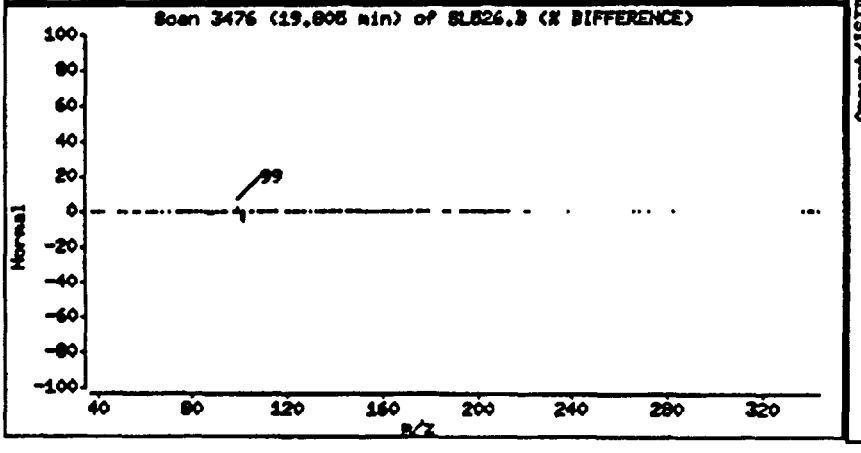


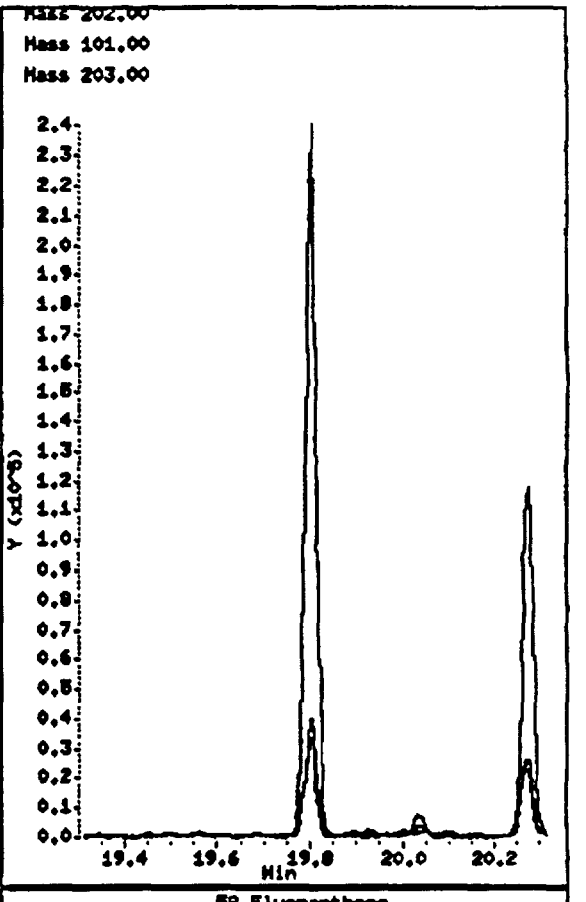
58 Fluoranthene

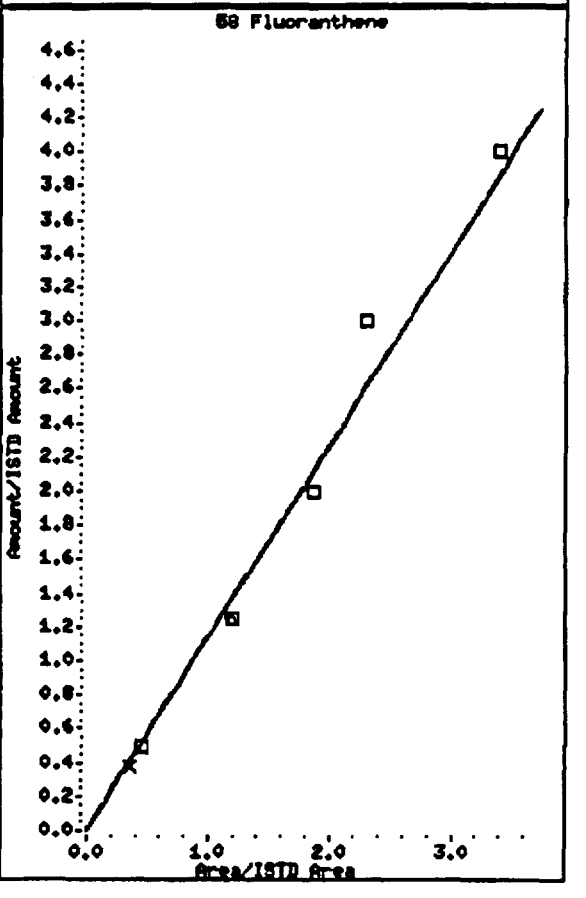




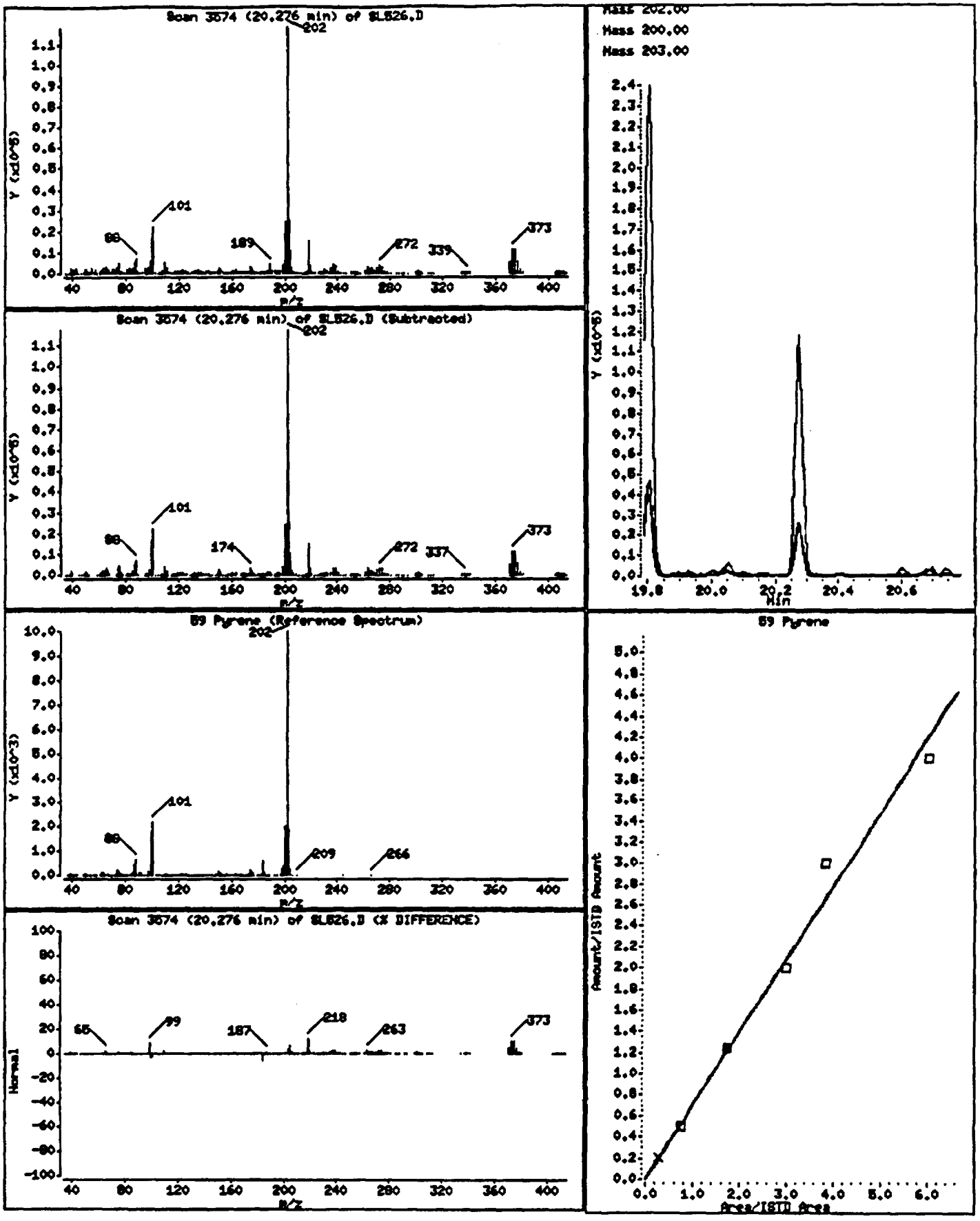




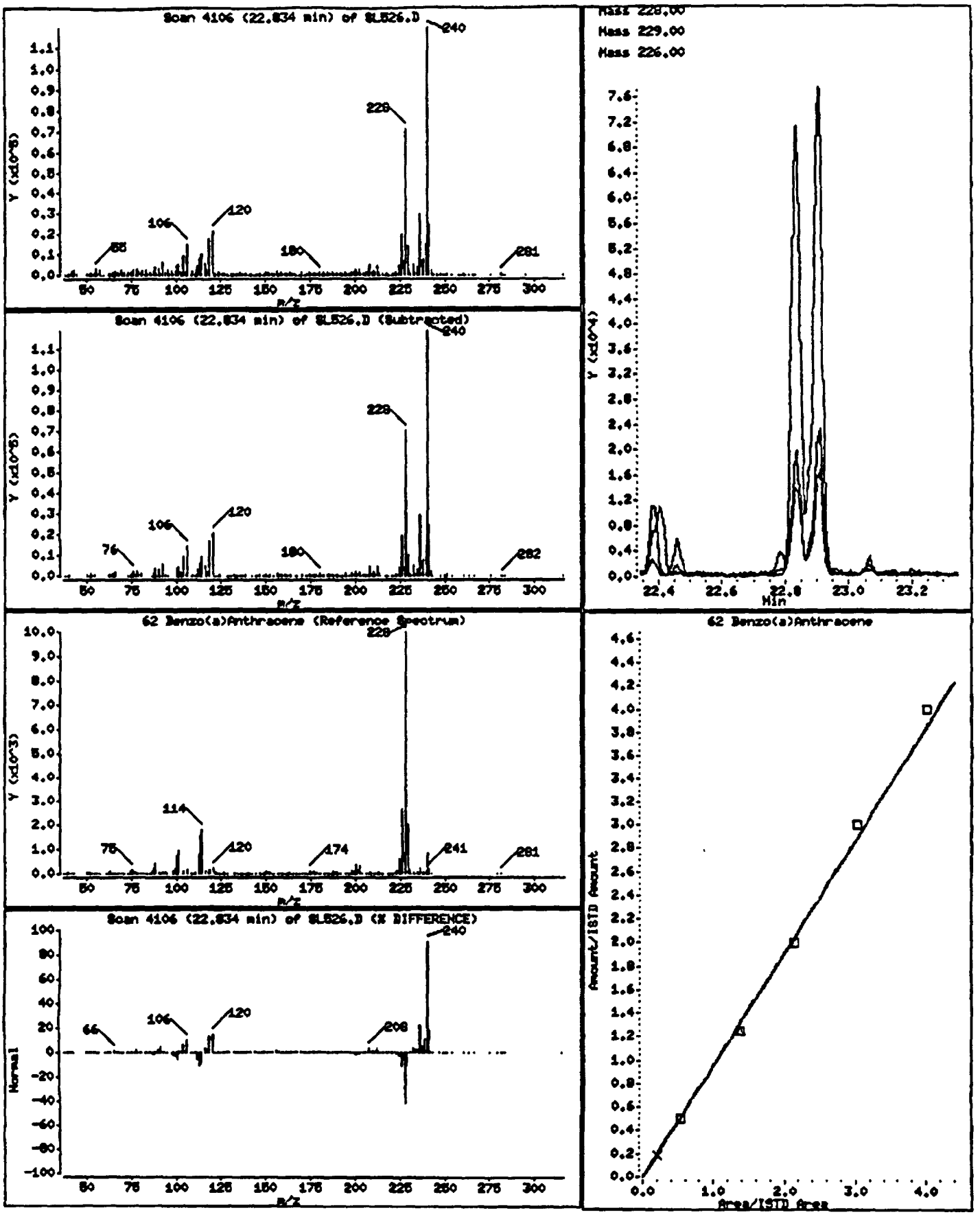




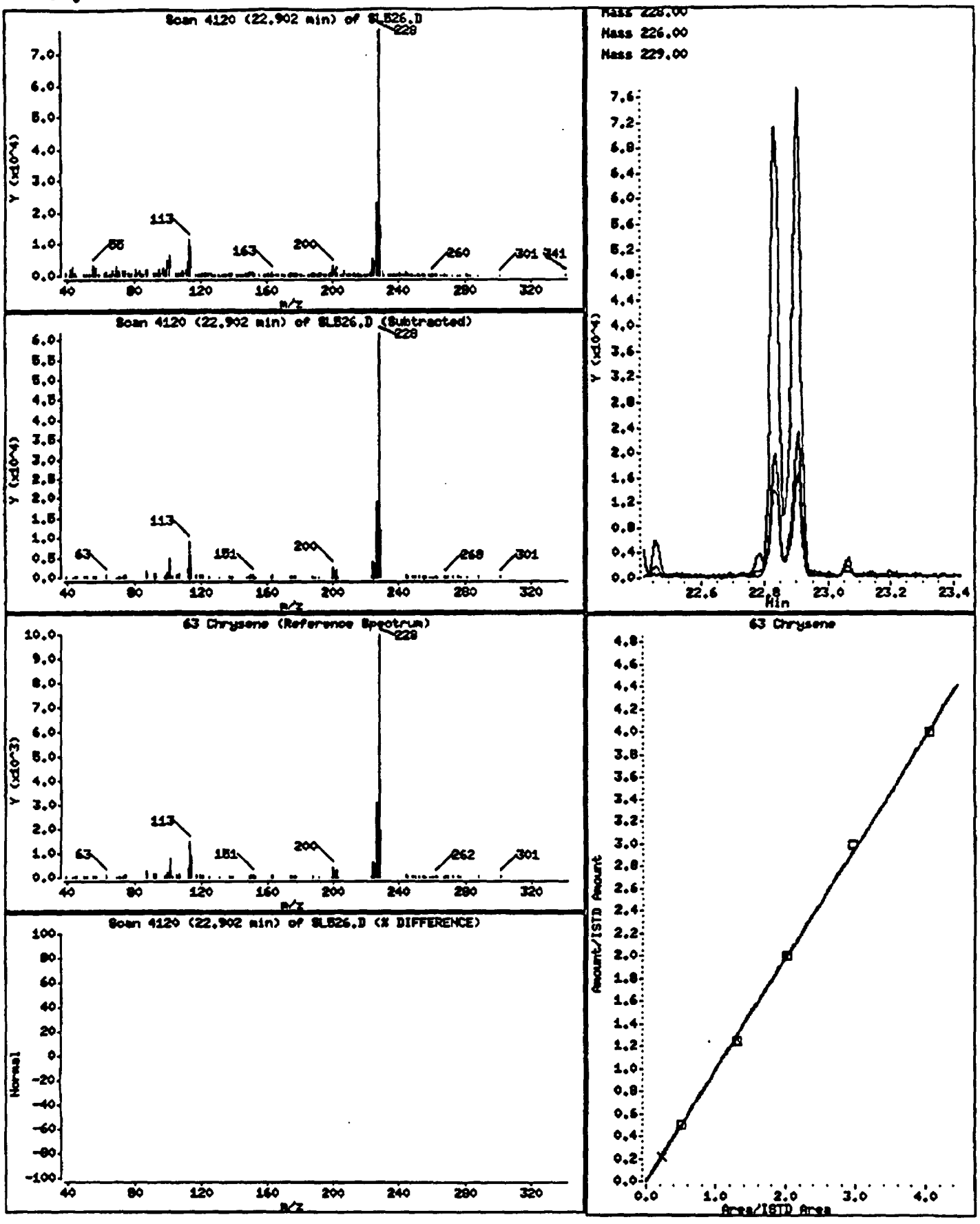
59 Pyrene


Scan 3674 (20.276 min) of SL526.D
202
101
88
189
272
339
373
Y (x10^6)
m/z
Scan 3674 (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 3674 (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

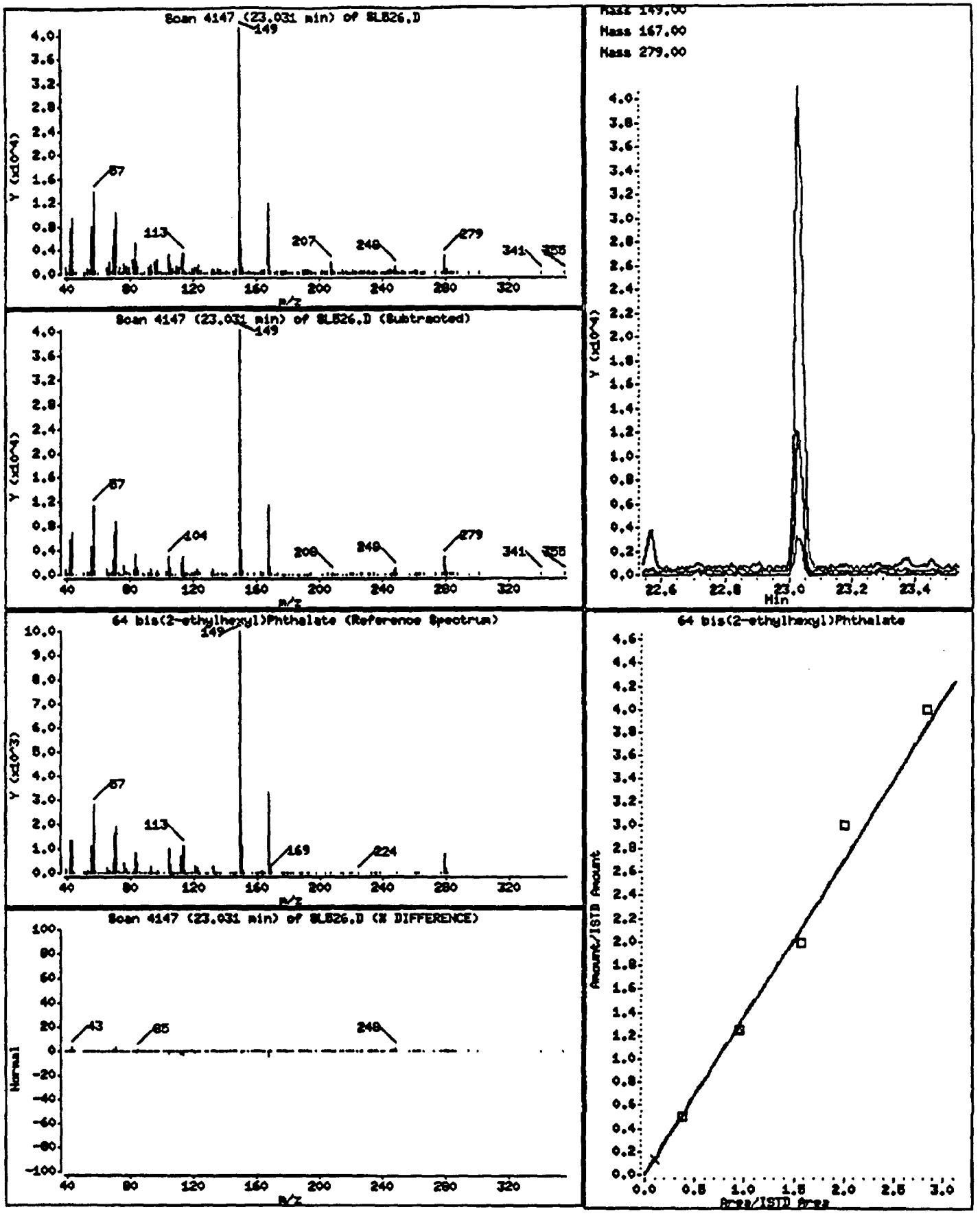
62 Benzo(a)Anthracene



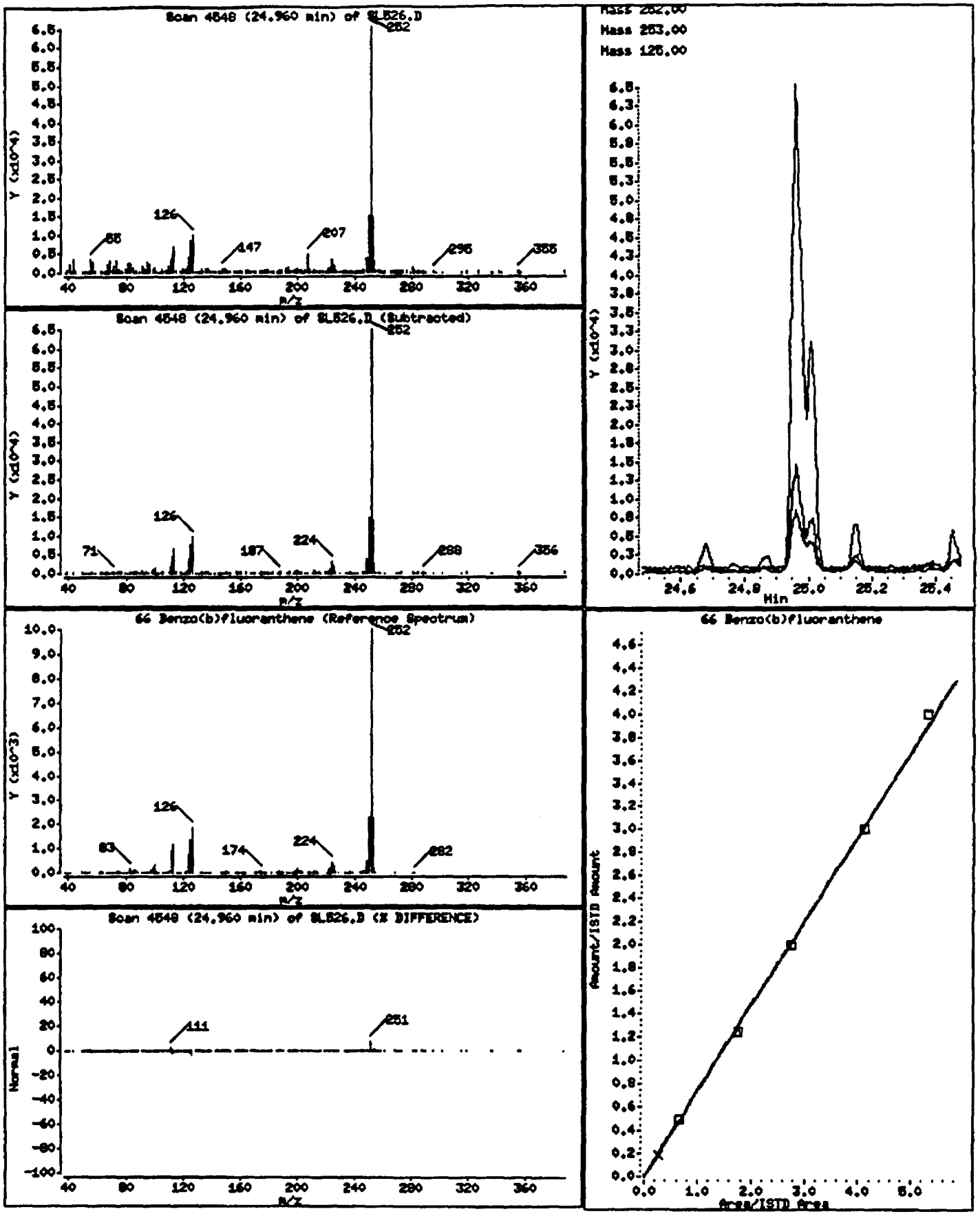
63 Chrysene


Scan 4120 (22.902 min) of SL826.D
Scan 4120 (22.902 min) of SL826.D (Subtracted)
63 Chrysene (Reference Spectrum)
Scan 4120 (22.902 min) of SL826.D (% DIFFERENCE)
Y (x10^4)
Y (x10^3)
Normal
m/z
Mass 228.00
Mass 226.00
Mass 229.00
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

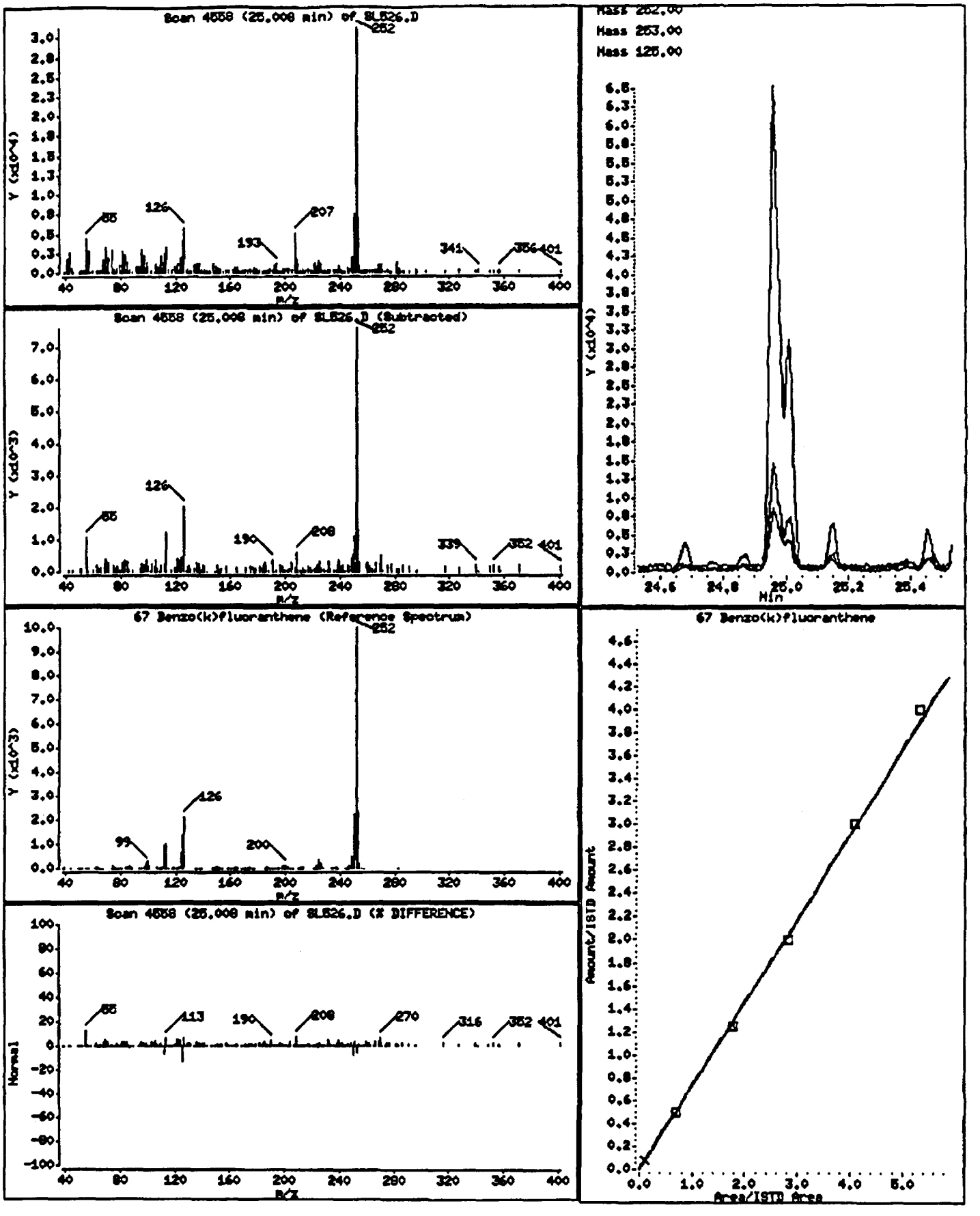
64 bis(2-ethylhexyl)Phthalate



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	678.497047	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(MG)	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: \\qcanch06\dd\chem\MSS\a4hp8.i\00929a.b\SL526.D

Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,clp31,1-clp90,sub

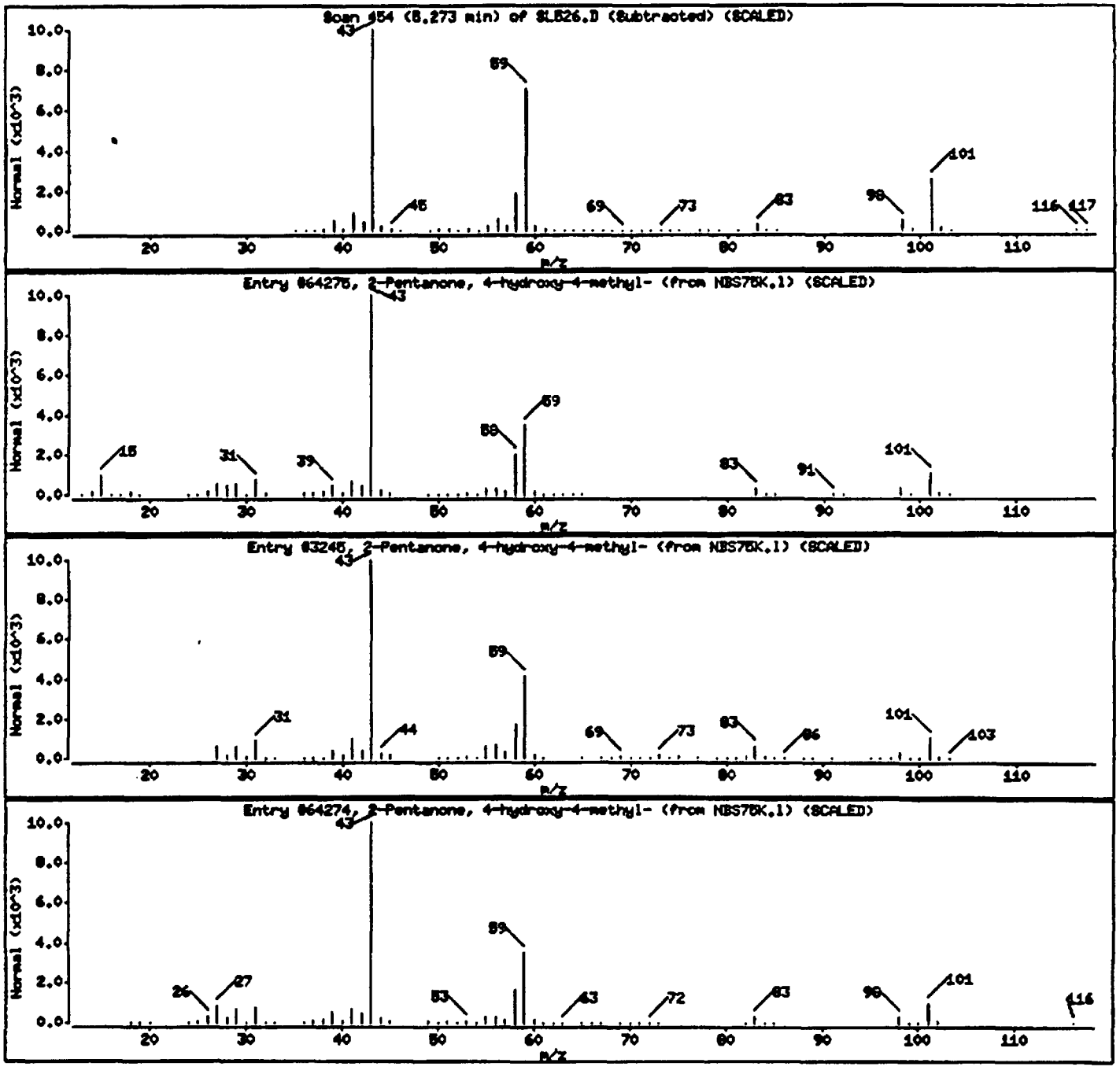
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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	40	C6H12O2	116



Data File: \\wpanch05\dd\chem\MSS\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

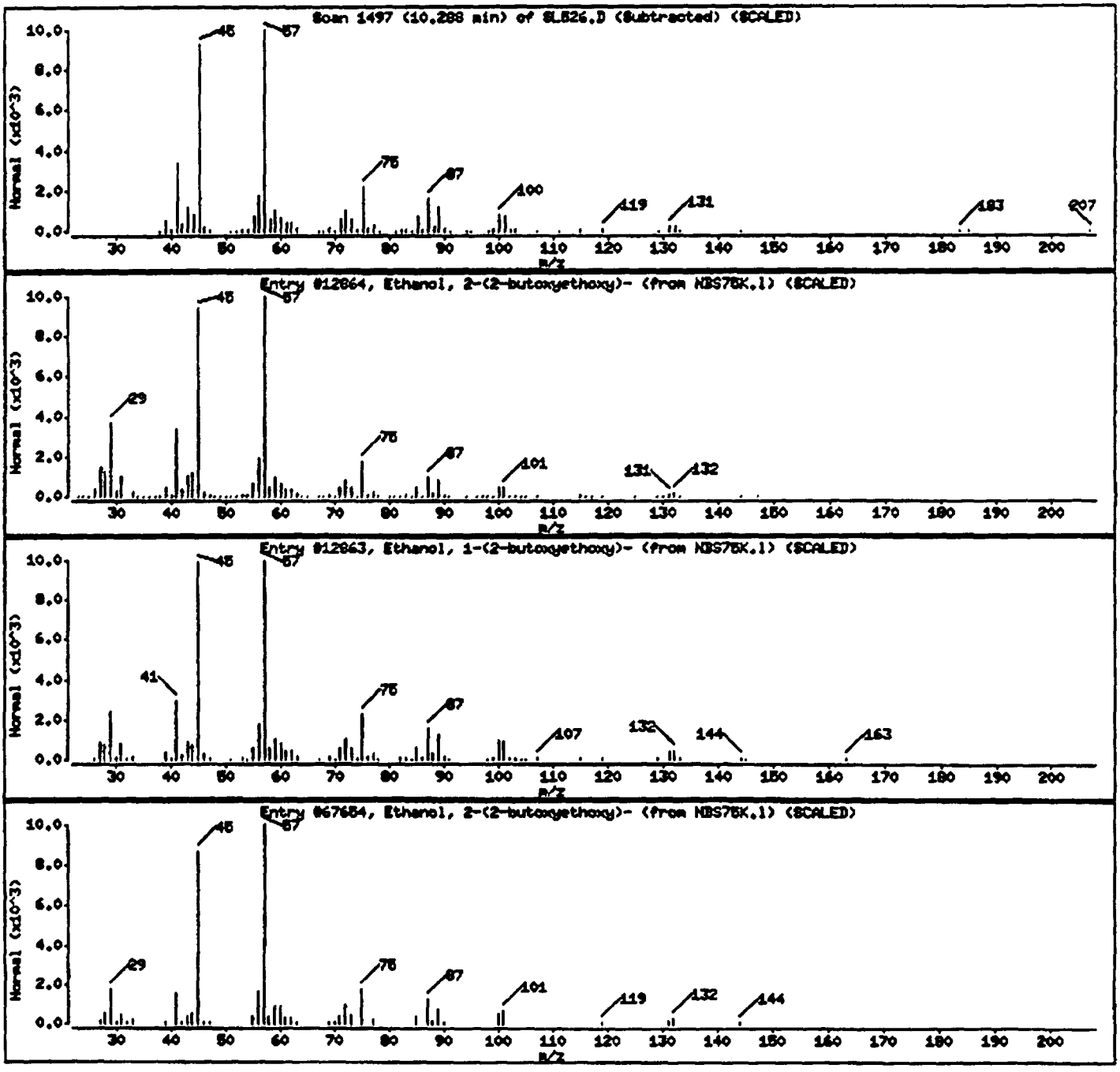
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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\HSS\a4hp8.i\00929a.b\SL526.D

Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrnm10u,00929a.b,clp31,1-clp90.sub

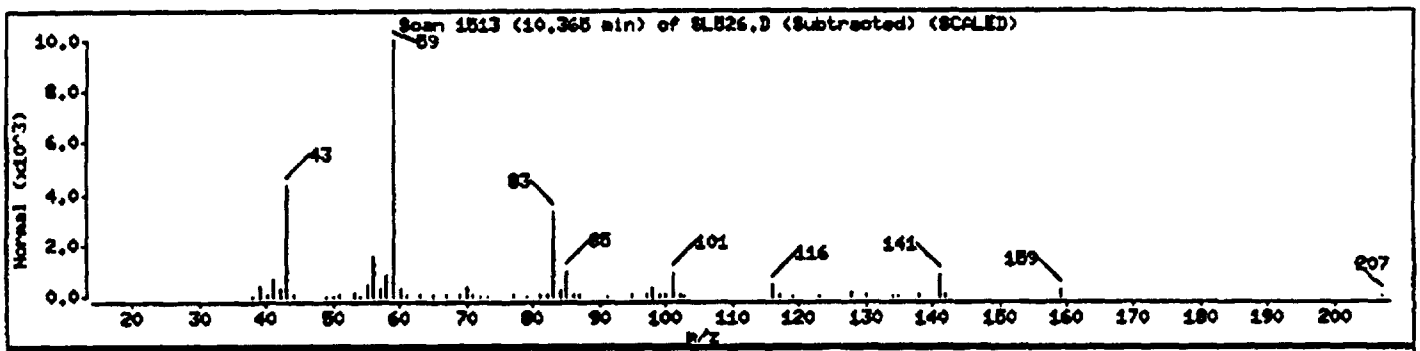
Volume Injected (uL): 2.0

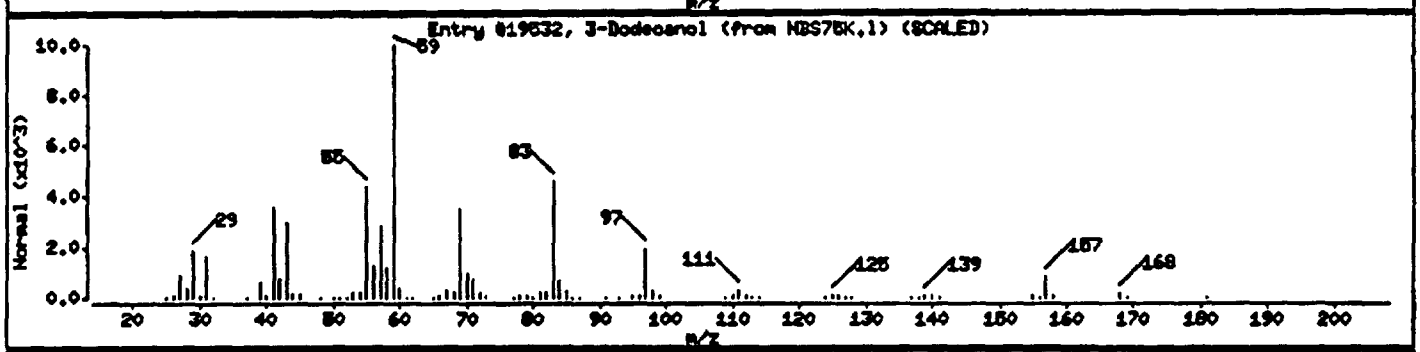
Operator: 001574

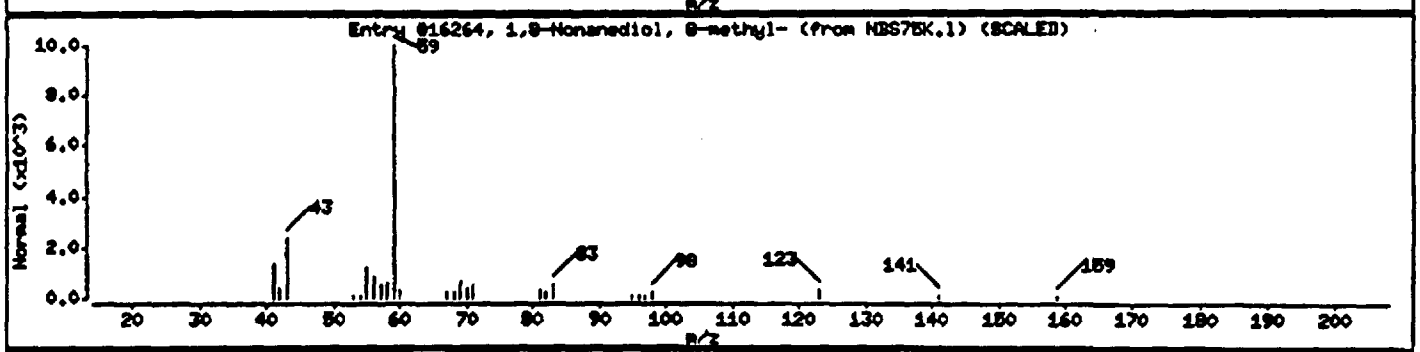
Column phase:

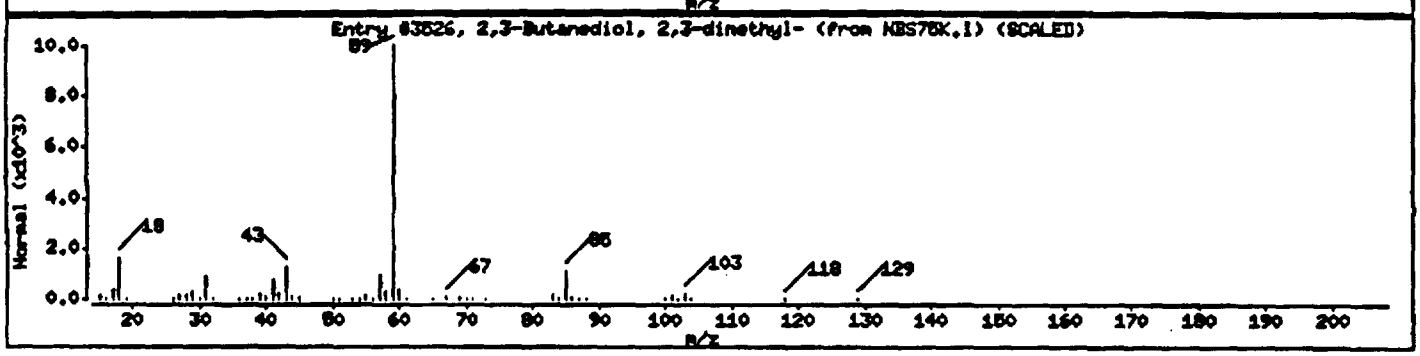
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Dodecanol	10203-30-2	NBS75K.1	19632	38	C12H26O	186
1,8-Nonanediol, 8-methyl-	54726-73-4	NBS75K.1	16264	33	C10H22O2	174
2,3-Butanediol, 2,3-dimethyl-	76-09-5	NBS75K.1	3526	33	C6H14O2	118









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Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmsd0u,00929a.b,clp31,i-clp90.sub

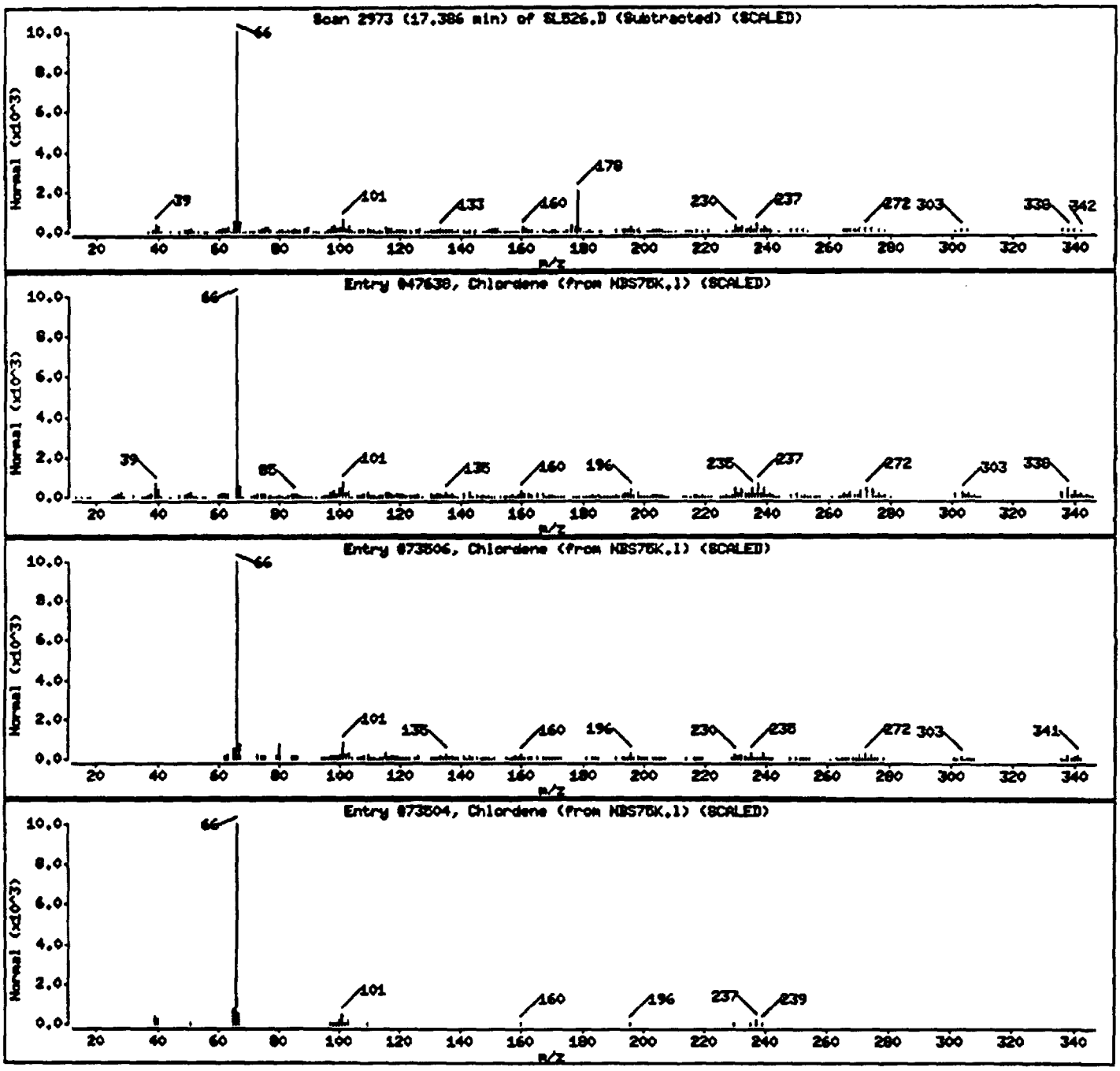
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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: djrnm10u,00929a,b,olp31,i-olp90,sub

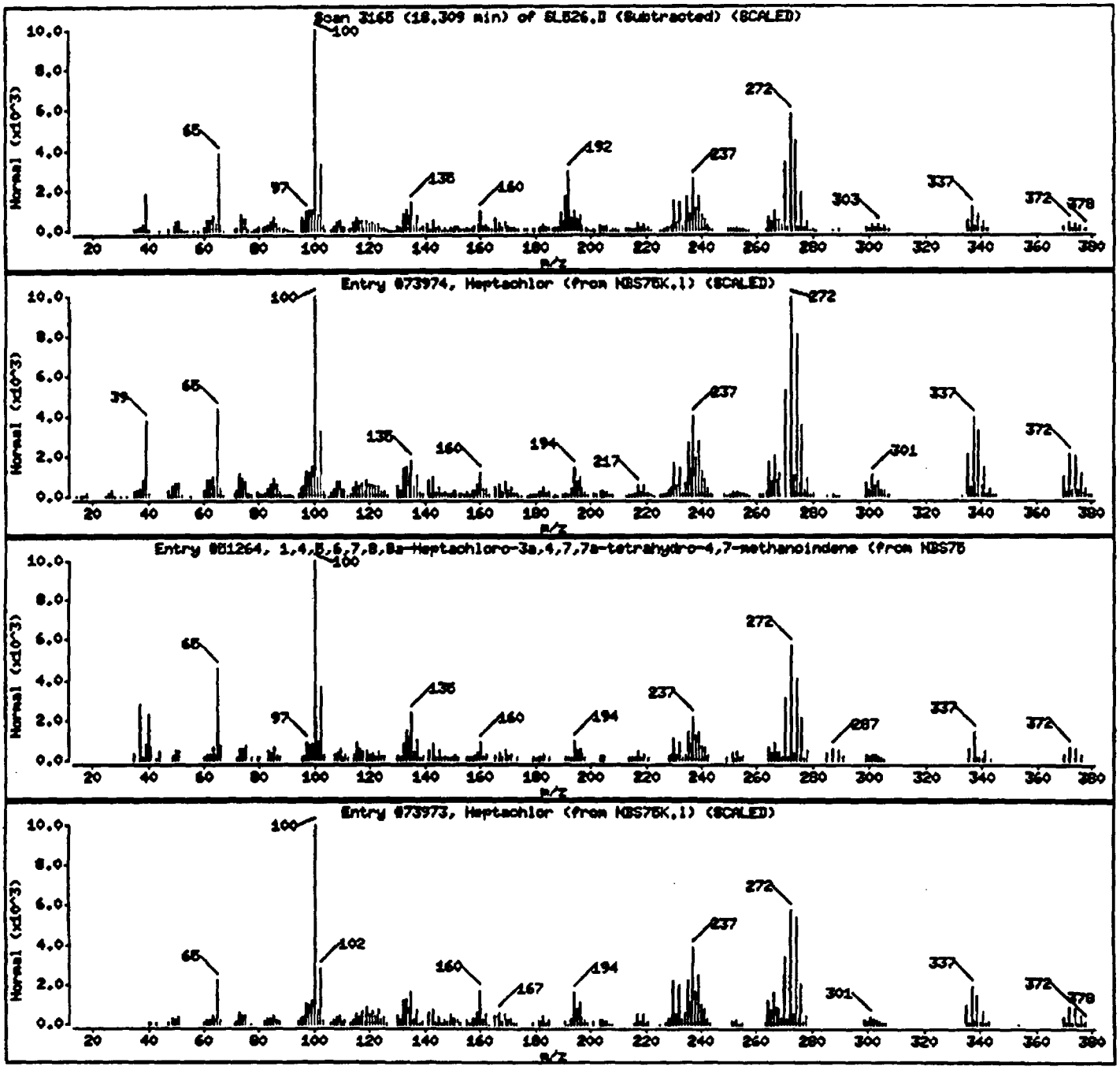
Volume Injected (uL): 2.0

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



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: djrmd10u,00929a.b,olp31,1-olp90,sub

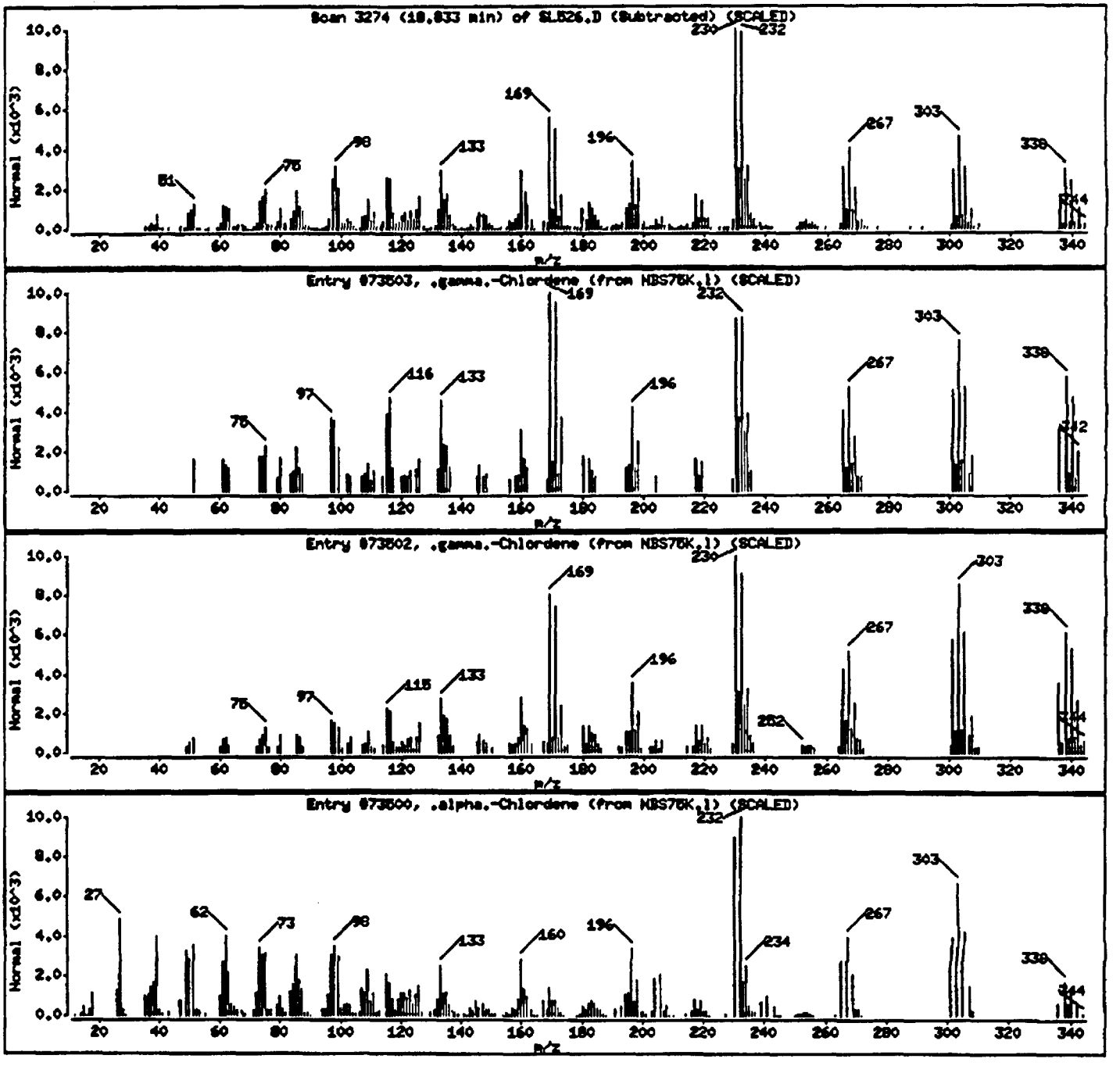
Volume Injected (uL): 2.0

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.l	73503	99	C10H6Cl8	336
.gamma.-Chlordane	56641-38-4	NBS75K.l	73502	98	C10H6Cl8	336
.alpha.-Chlordane	56534-02-2	NBS75K.l	73500	87	C10H6Cl8	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

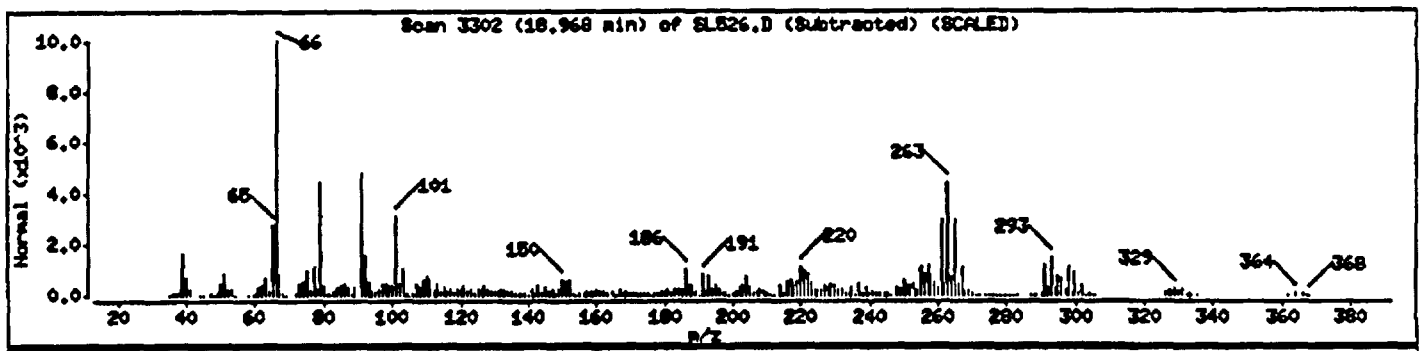
Volume Injected (uL): 2.0

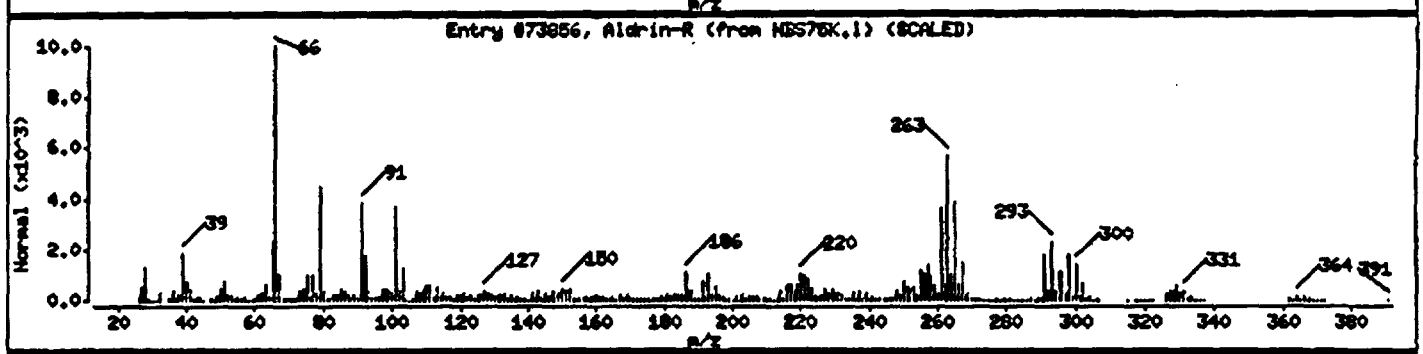
Operator: 001574

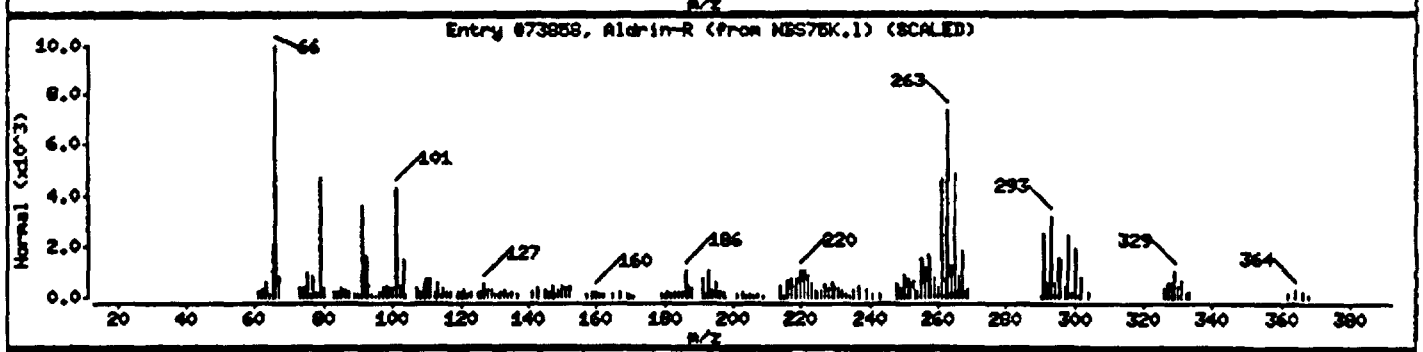
Column phase:

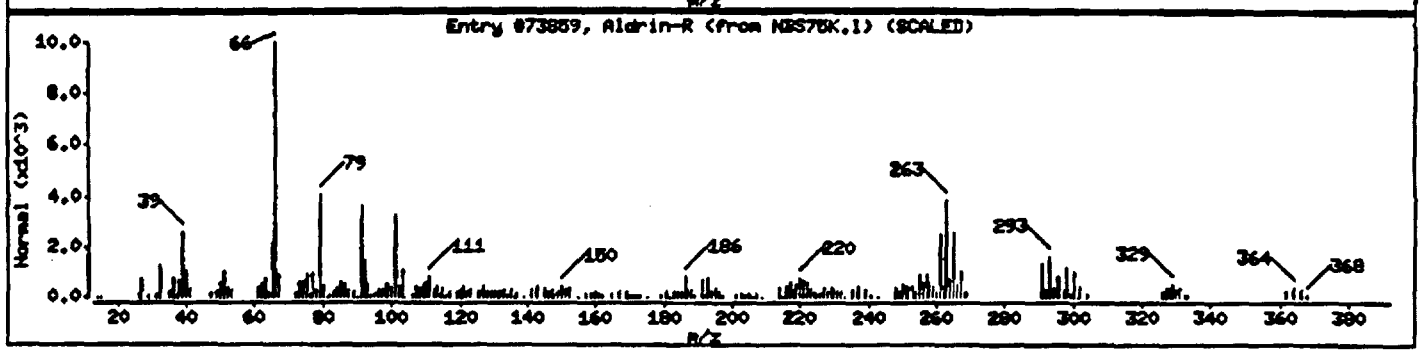
Column diameter: 2.00

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 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,i-olp90.sub

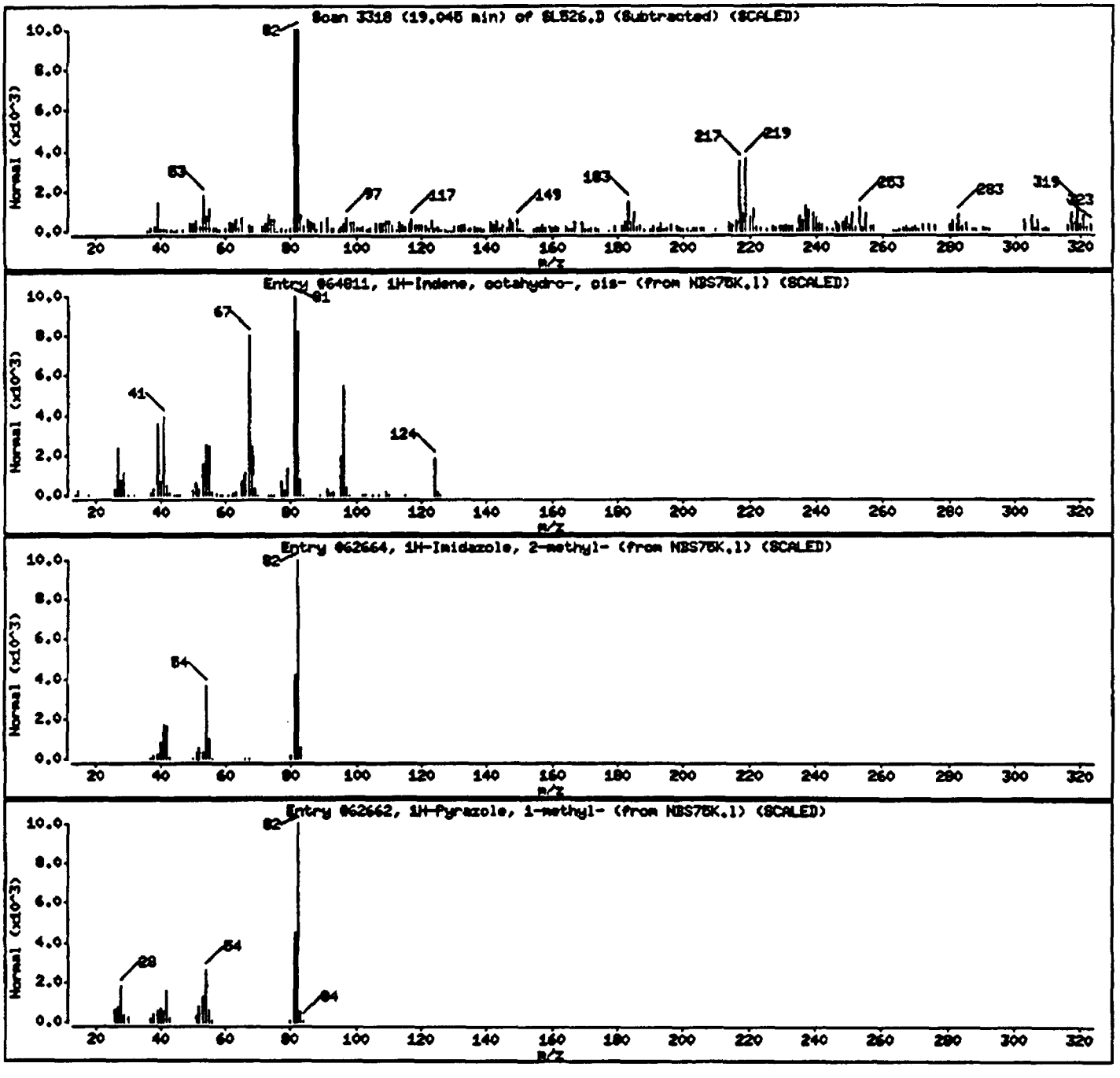
Volume Injected (uL): 2.0

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



Data File: \\qcanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL526.D

Date : 29-SEP-2000 23:36

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmm10u,00929a.b,olp31,1-olp90,sub

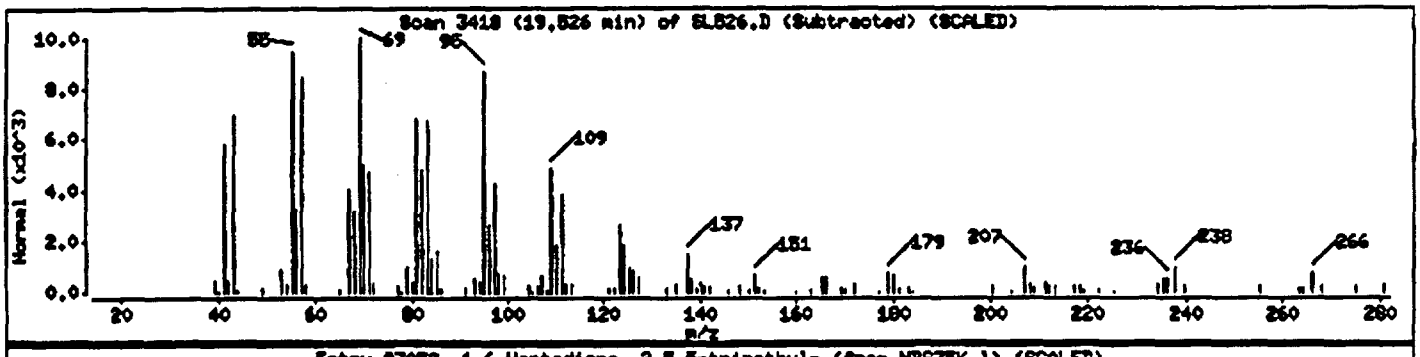
Volume Injected (uL): 2.0

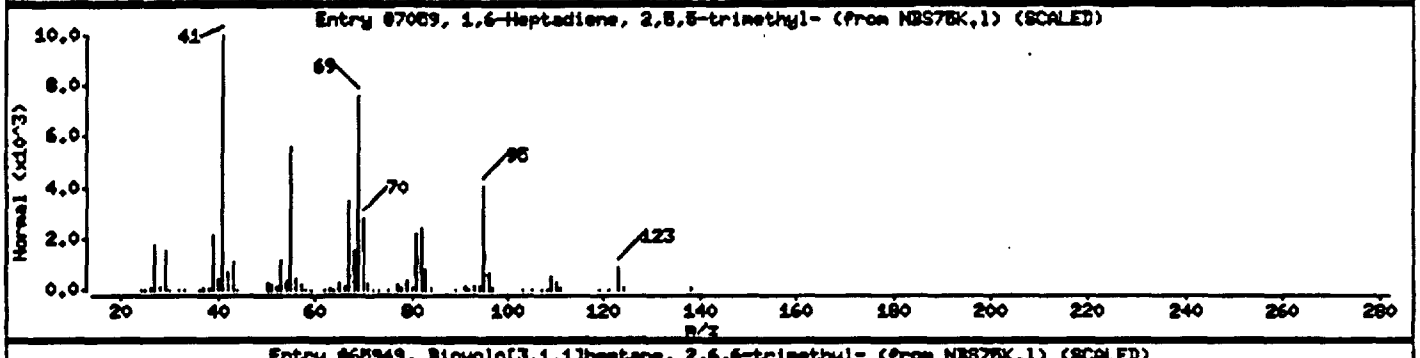
Operator: 001574

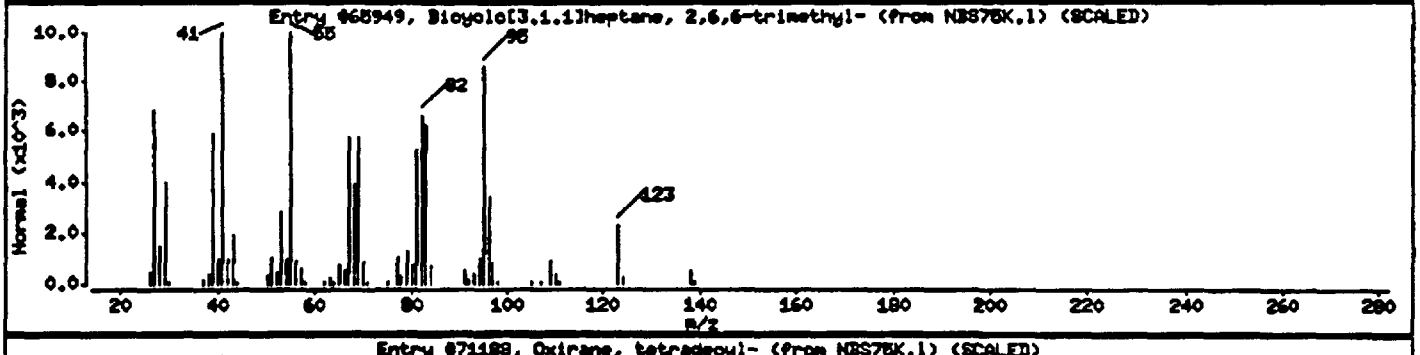
Column phase:

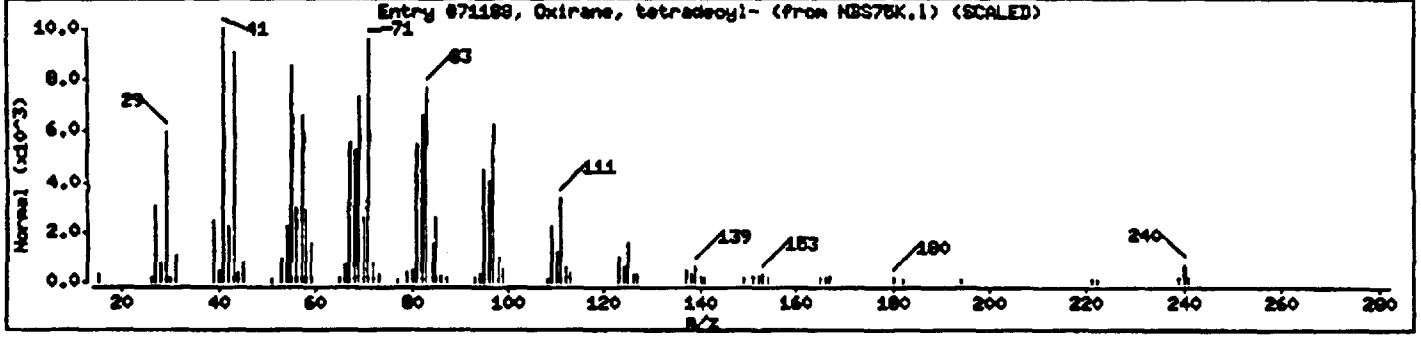
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,6-Heptadiene, 2,5,5-trimethyl-	62238-29-2	NBS75K.1	70069	43	C10H18	138
Bicyclo[3.1.1]heptane, 2,6,6-trimethyl-	473-55-2	NBS75K.1	65949	41	C10H18	138
Oxirane, tetradecyl-	7320-37-8	NBS75K.1	71188	38	C16H320	240









Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL526.D

Date : 29-SEP-2000 23:36

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmai0u,00929a.b,clp31,i-clp90,sub

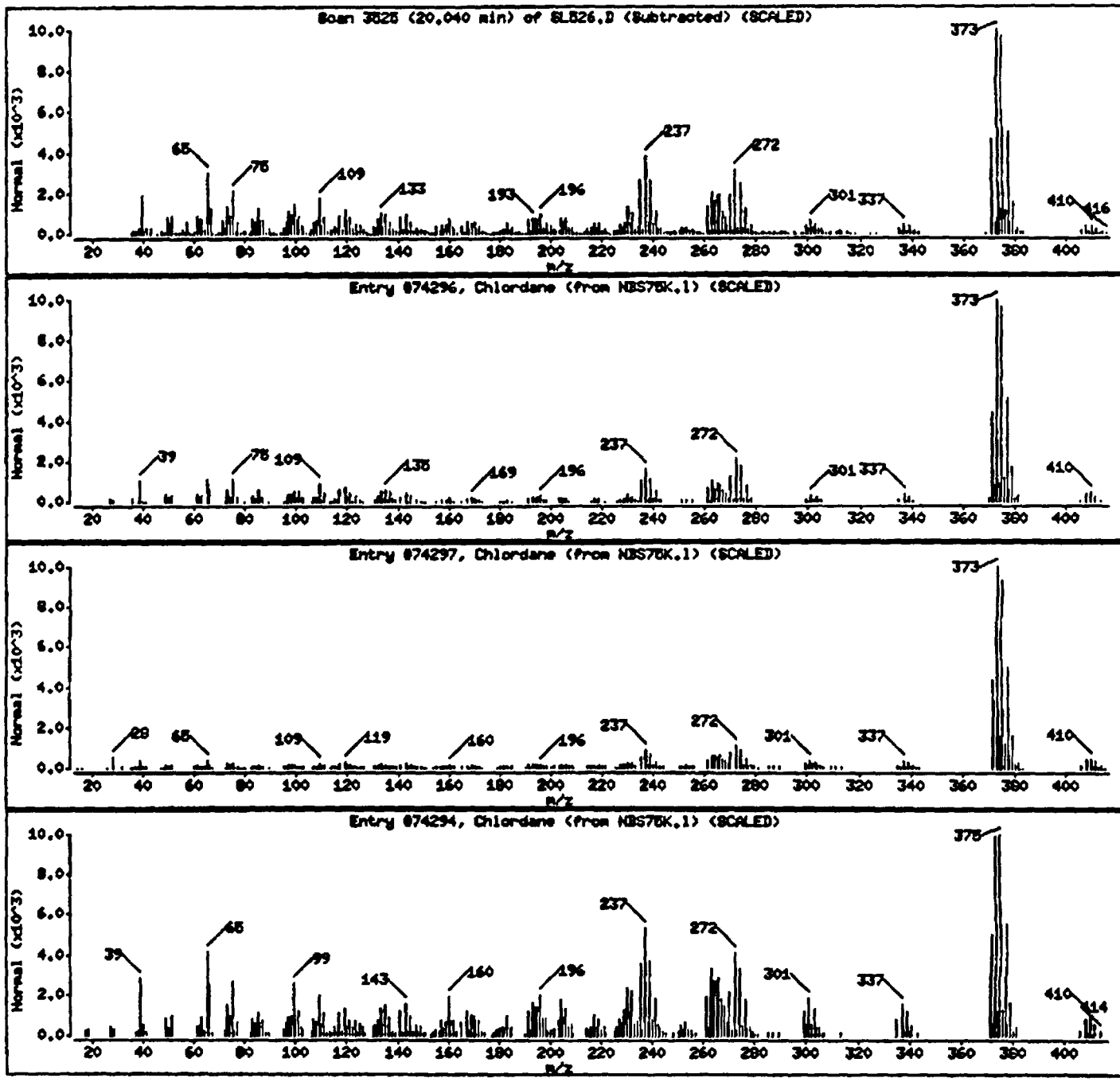
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlordane	57-74-9	NBS75K.1	74296	97	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.1	74297	96	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.1	74294	95	C10H6Cl8	406



Data File: \\epanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL526.D

Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,i-olp90.sub

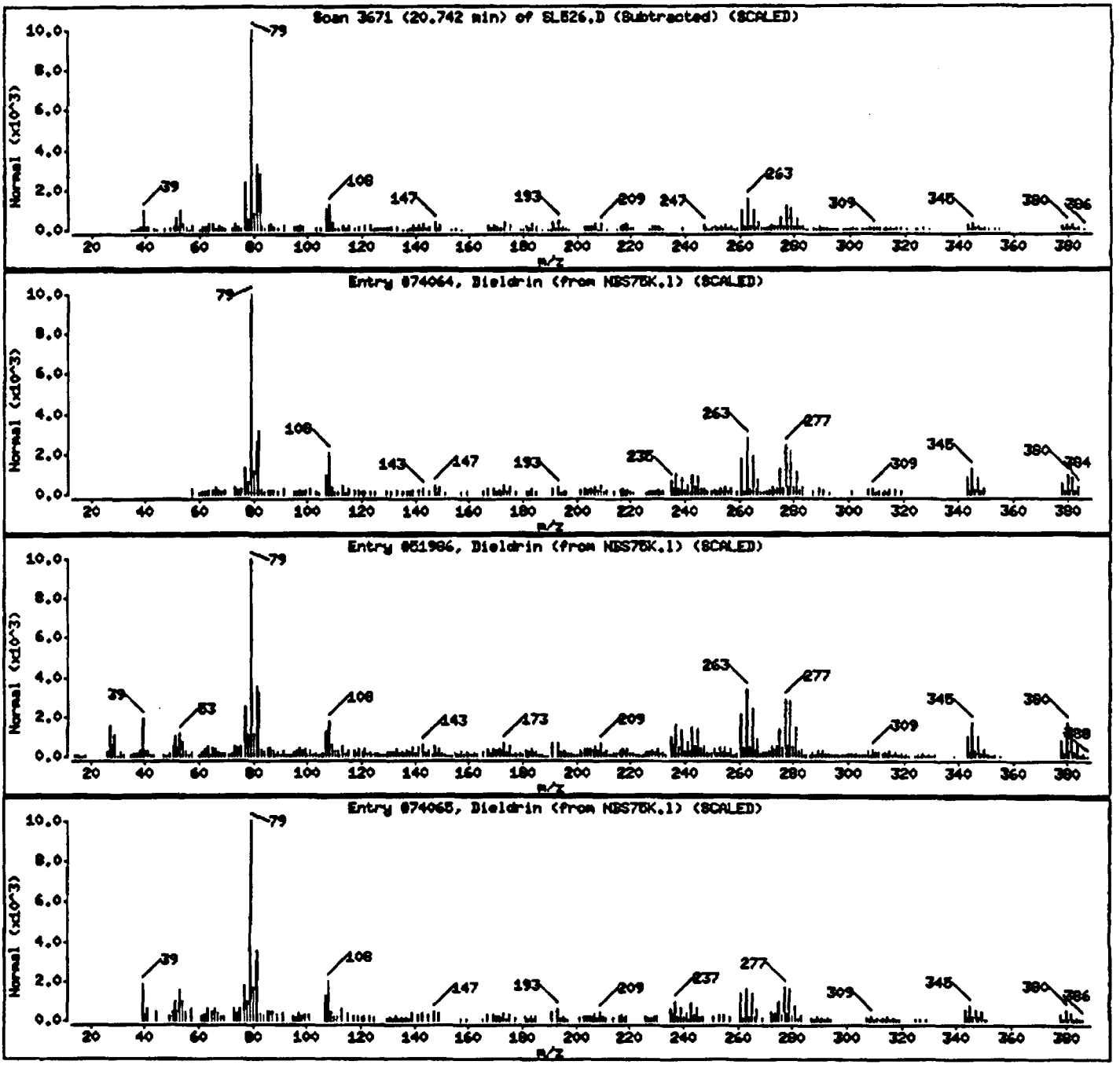
Volume Injected (uL): 2.0

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: djrmmiou,00929a.b,olp31,i-olp90.sub

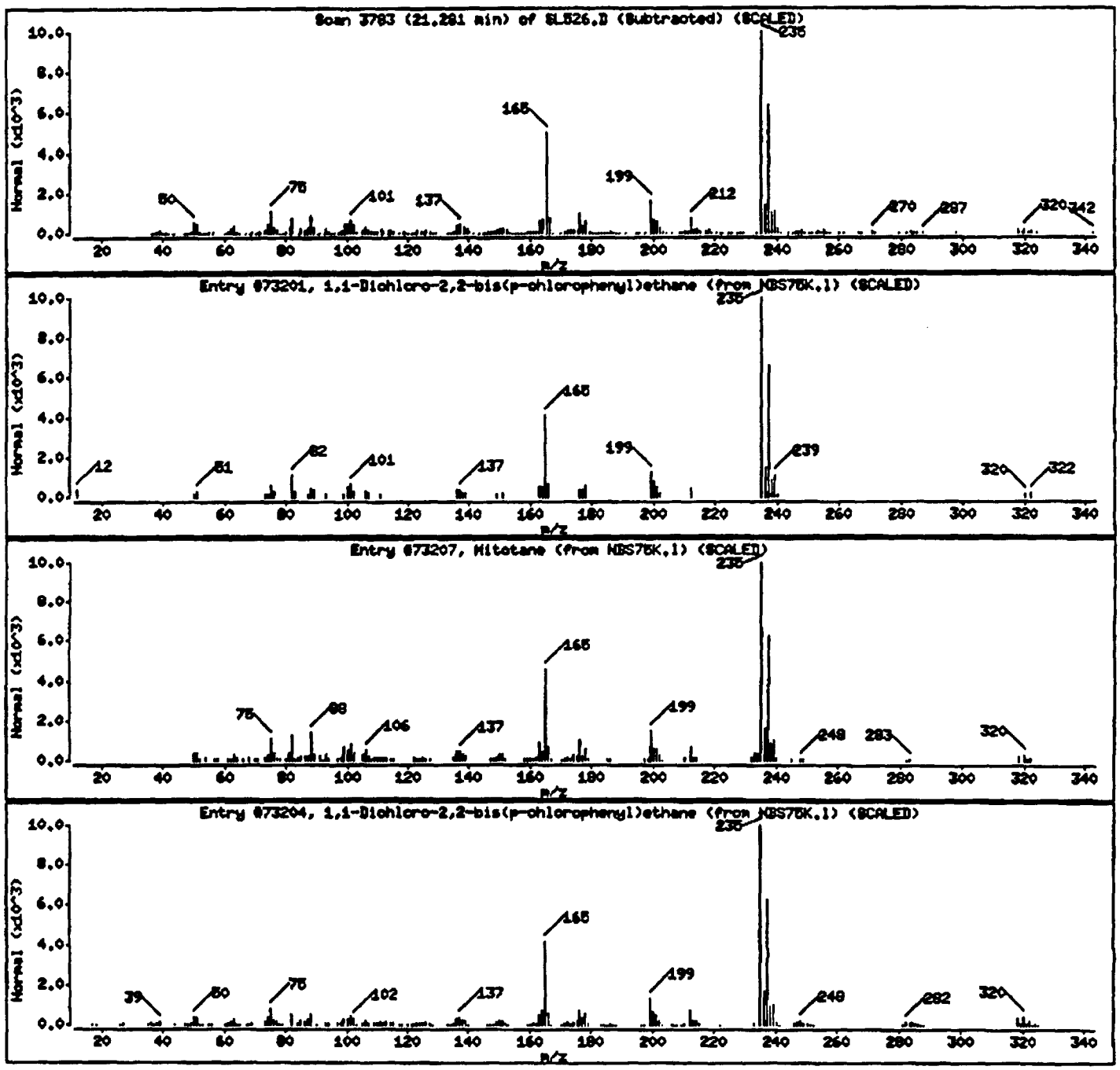
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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: djrmmi0u,00929a,b,clp31,i-clp90,sub

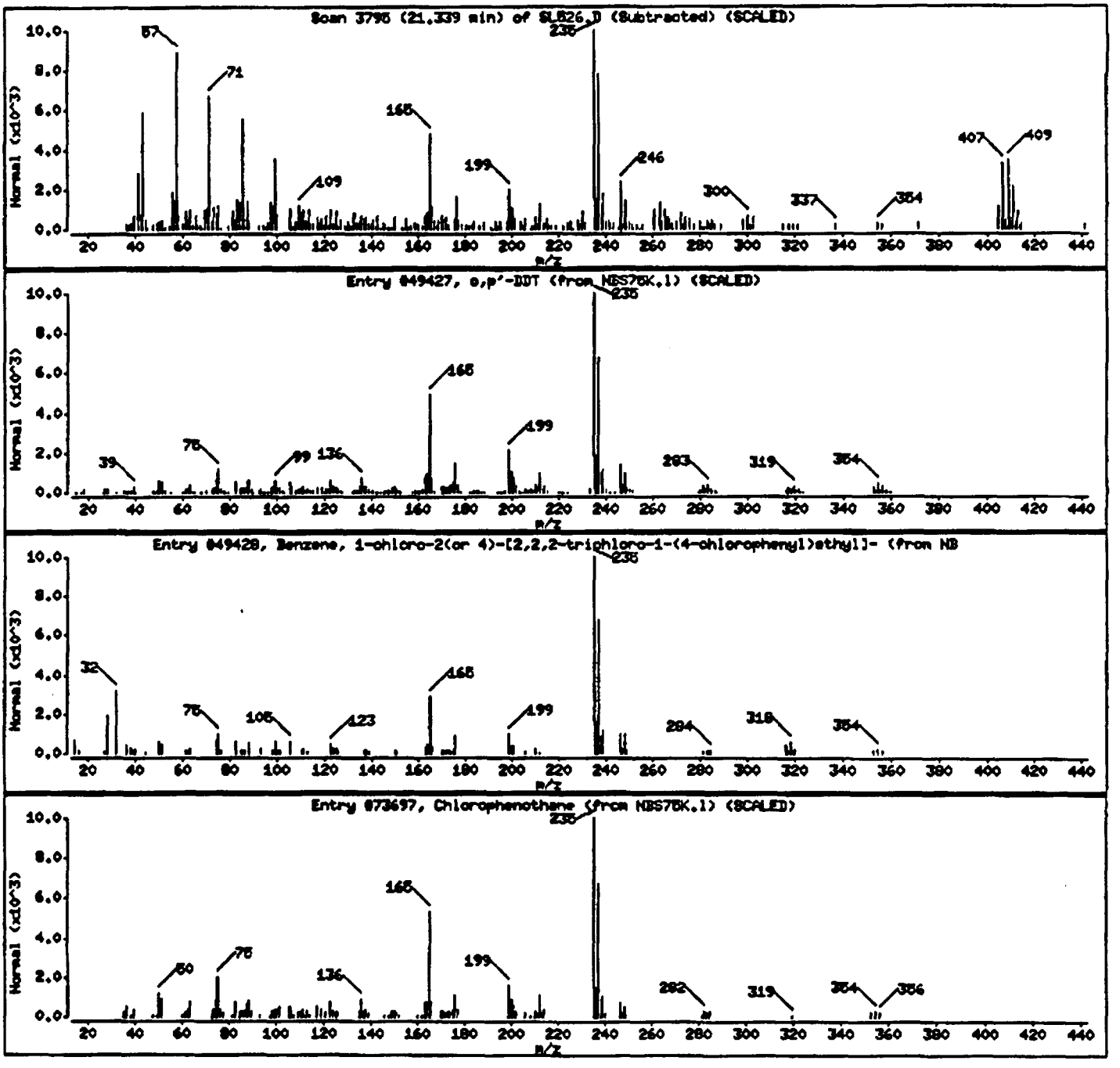
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown pesticide						
o,p'-DDT	789-02-6	NBS75K.l	49427	95	C14H9Cl5	352
Benzene, 1-chloro-2(or 4)-[2,2,2-trichlo	72347-69-3	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: djrmm10u,00929a.b,clp31.1-clp90.sub

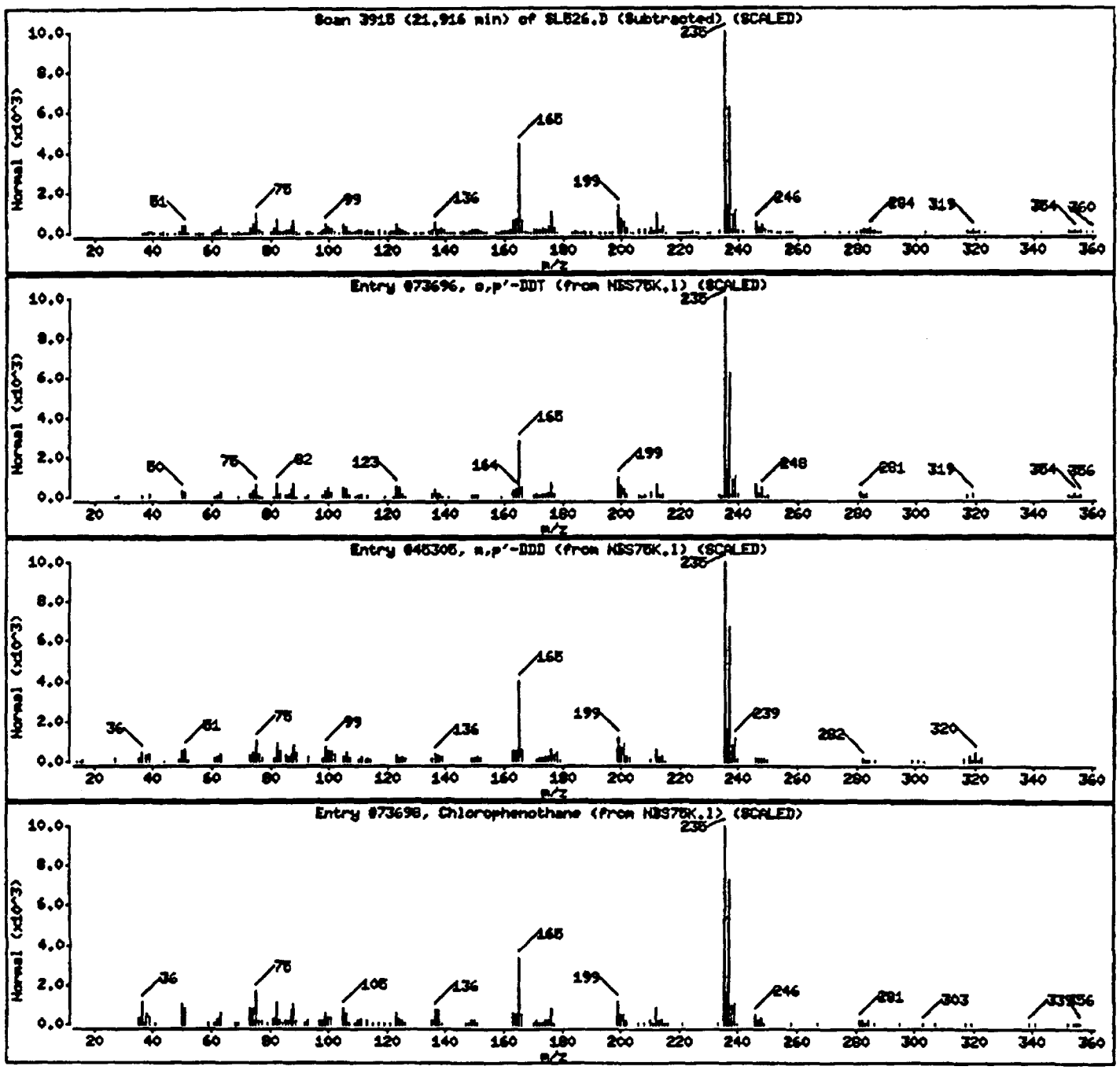
Volume Injected (uL): 2.0

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.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



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL526.D

Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrmm10u,00929a.b,clp31,i-clp90,sub

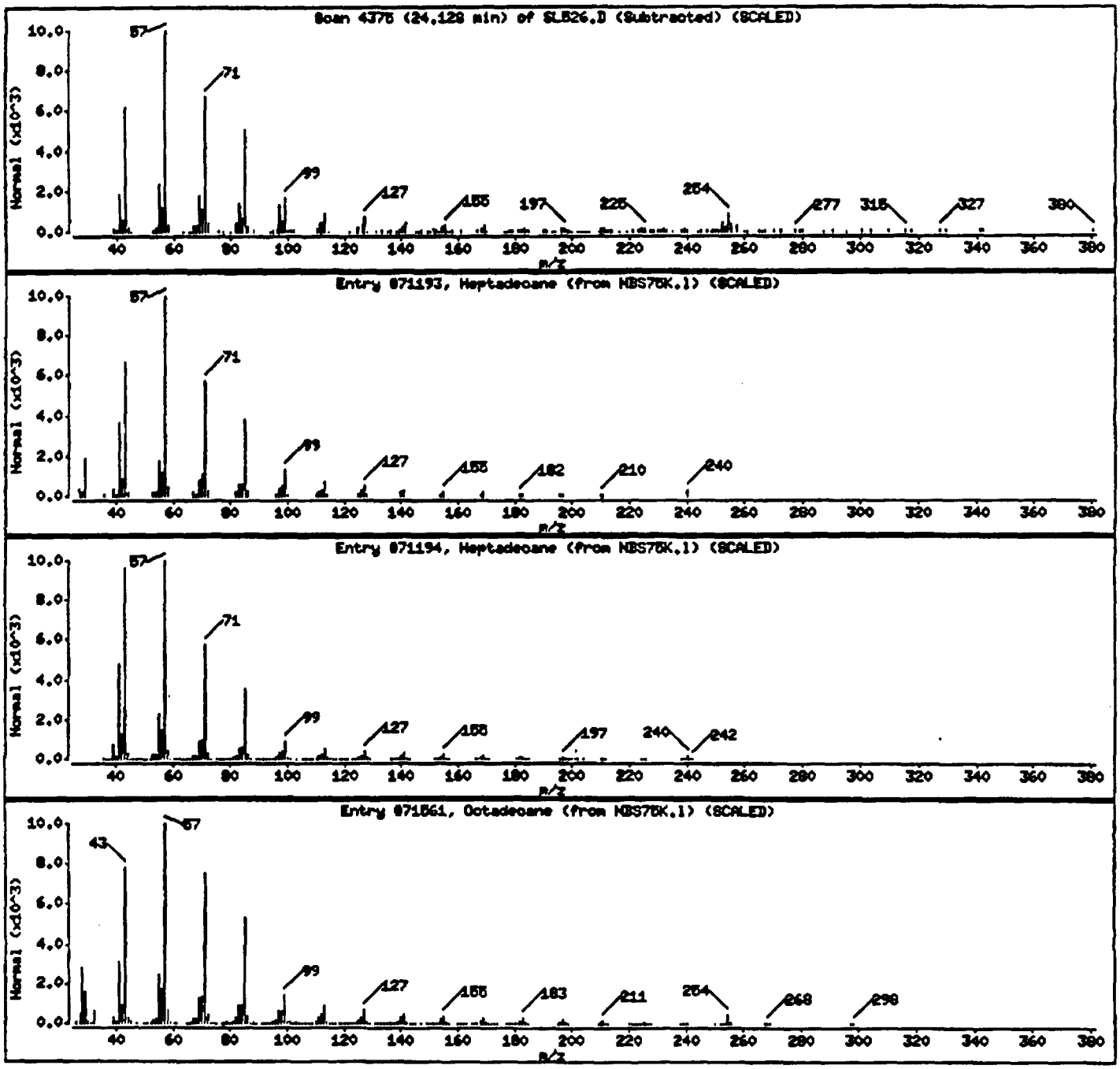
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptadecane	629-78-7	NBS75K.1	71193	96	C17H36	240
Heptadecane	629-78-7	NBS75K.1	71194	96	C17H36	240
Octadecane	593-45-3	NBS75K.1	71561	94	C18H38	254



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Date : 29-SEP-2000 23:35

Client ID: SLB2-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90.sub

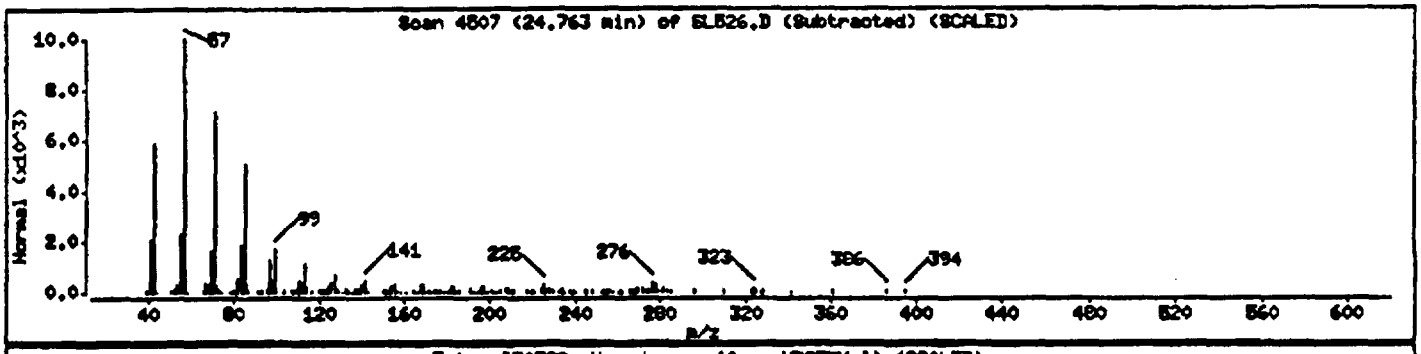
Volume Injected (uL): 2.0

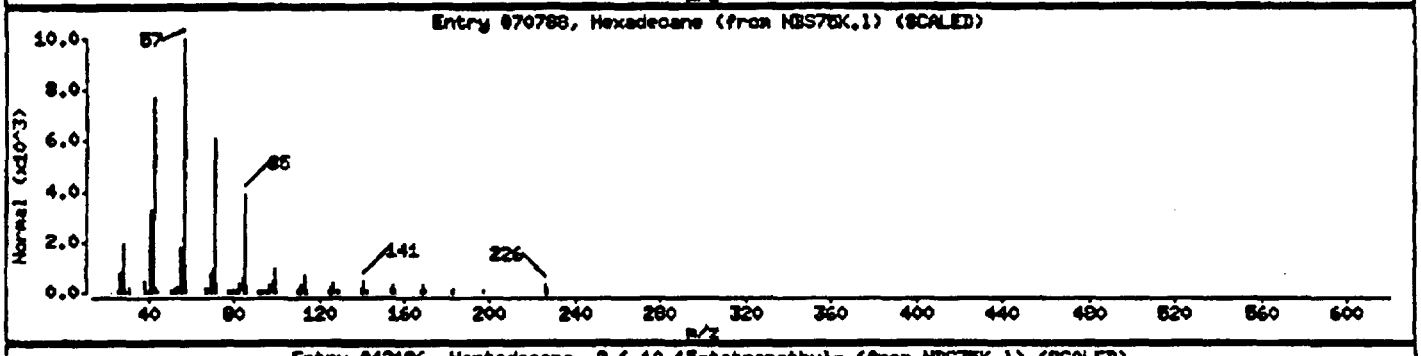
Operator: 001874

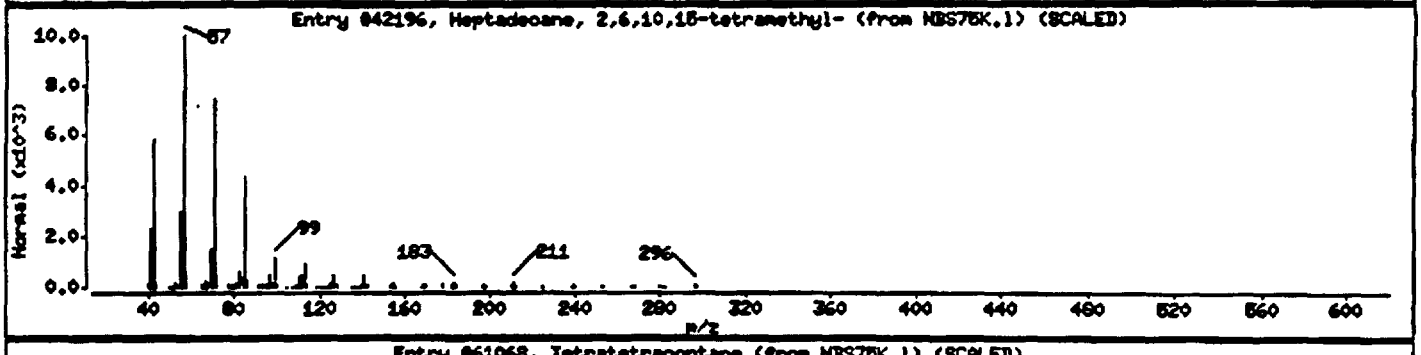
Column phase:

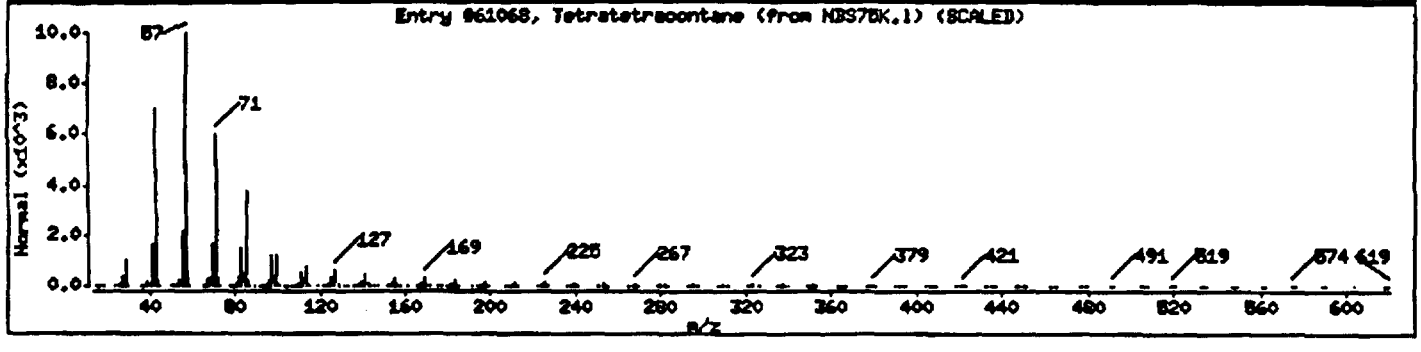
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Hexadecane	544-76-3	NBS75K.l	70788	91	C16H34	226
Heptadecane, 2,6,10,15-tetramethyl-	54833-49-6	NBS75K.l	42196	91	C21H44	296
Tetratetracontane	7098-22-8	NBS75K.l	61068	90	C44H90	619









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Date : 29-SEP-2000 23:36

Client ID: SL52-6'

Instrument: a4hp8.i

Sample Info: djrnm10u,00929a.b,clp31.i-clp90.sub

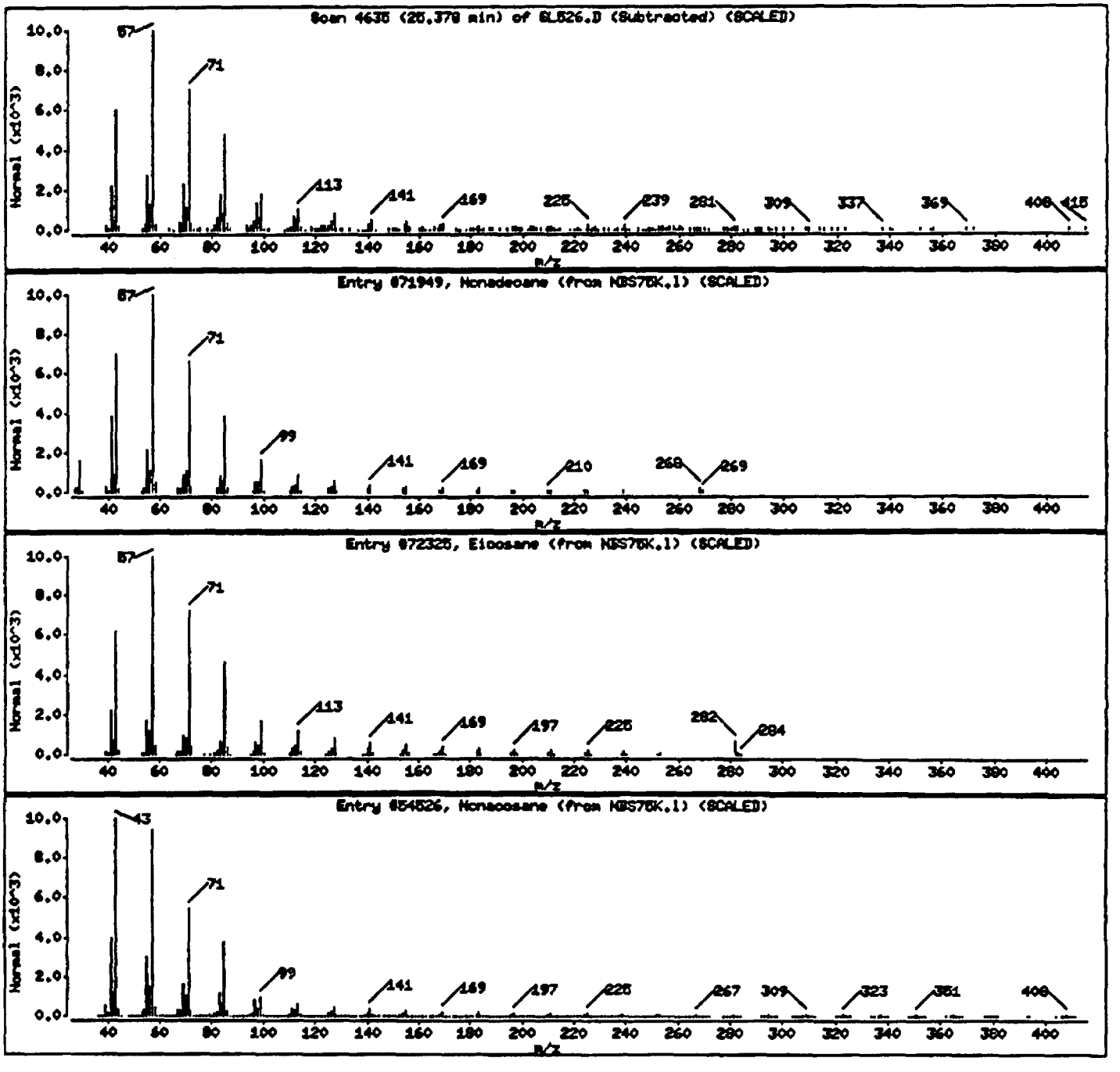
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Nonadecane	629-92-5	NBS75K.l	71949	96	C19H40	268
Eicosane	112-95-8	NBS75K.l	72325	95	C20H42	282
Nonacosane	630-03-5	NBS75K.l	54526	95	C29H60	408



Data File: \\wpanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL526.D

Page 35

Date : 29-SEP-2000 23:35

Client ID: SL52-6'

Instrument: a4hp8.i

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

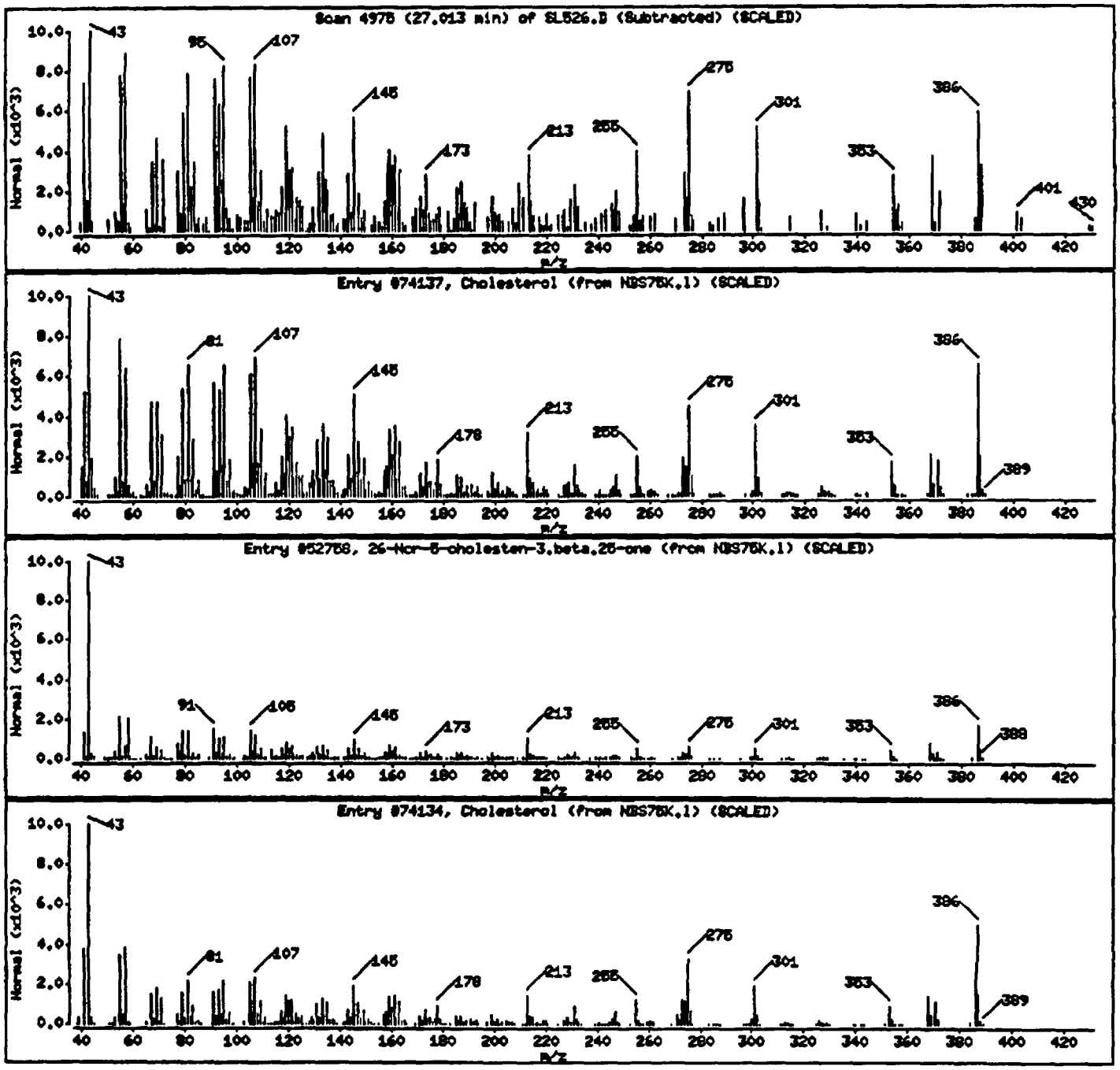
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cholesterol	57-88-5	NBS75K.l	74137	91	C27H46O	386
26-Nor-5-cholesten-3.beta.25-one	0-00-0	NBS75K.l	52768	91	C26H42O2	386
Cholesterol	57-88-5	NBS75K.l	74134	88	C27H46O	386



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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

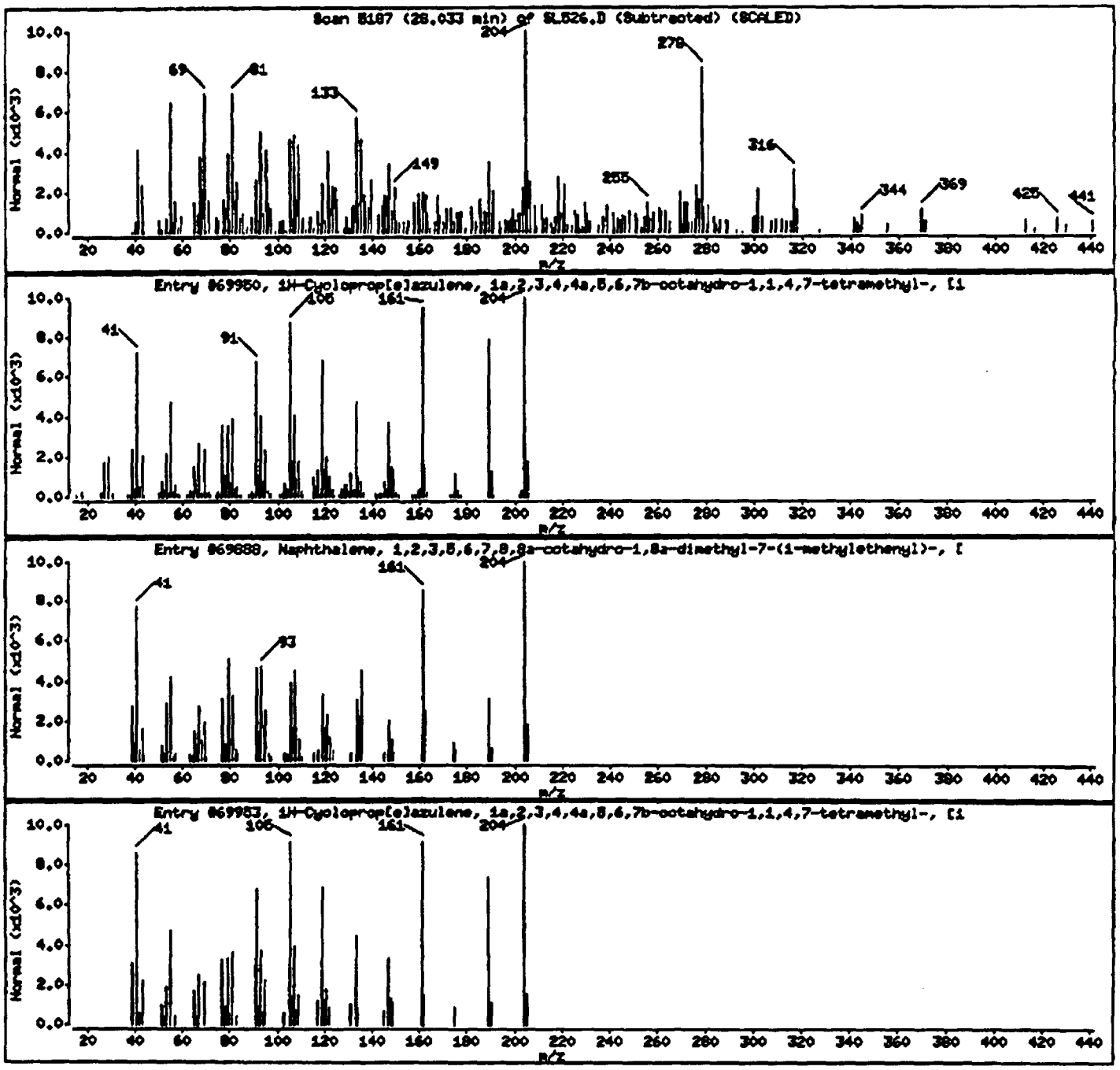
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Cyclopropl[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	69688	35	C15H24	204
1H-Cyclopropl[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 23:36

Client ID: SL82-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90,sub

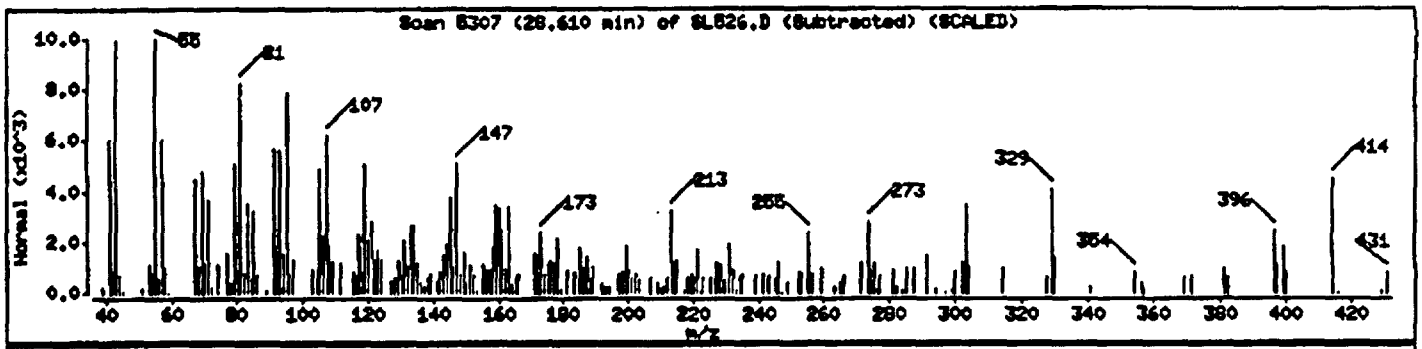
Volume Injected (uL): 2.0

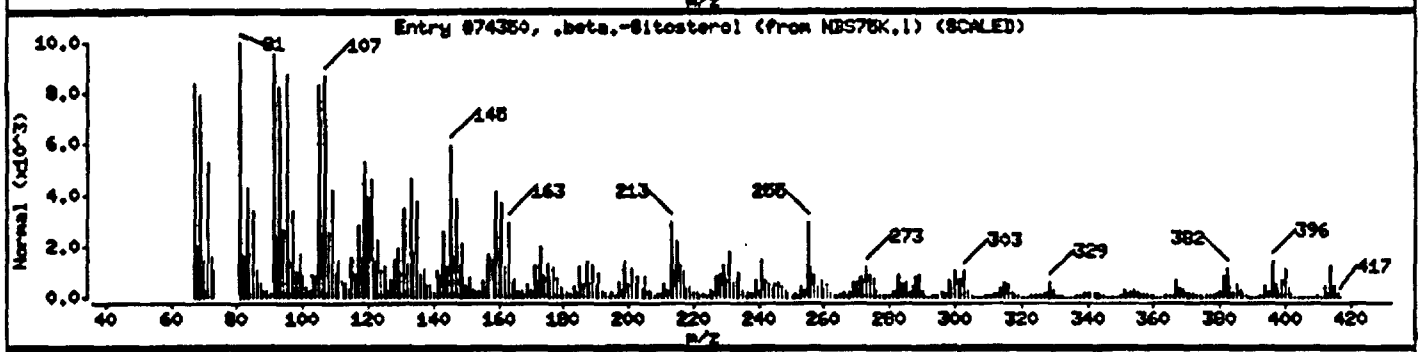
Operator: 001574

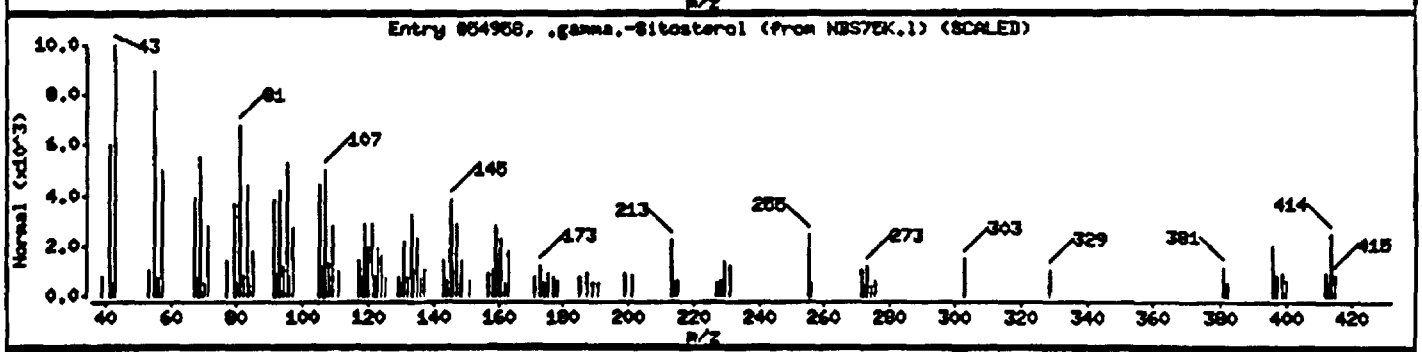
Column phase:

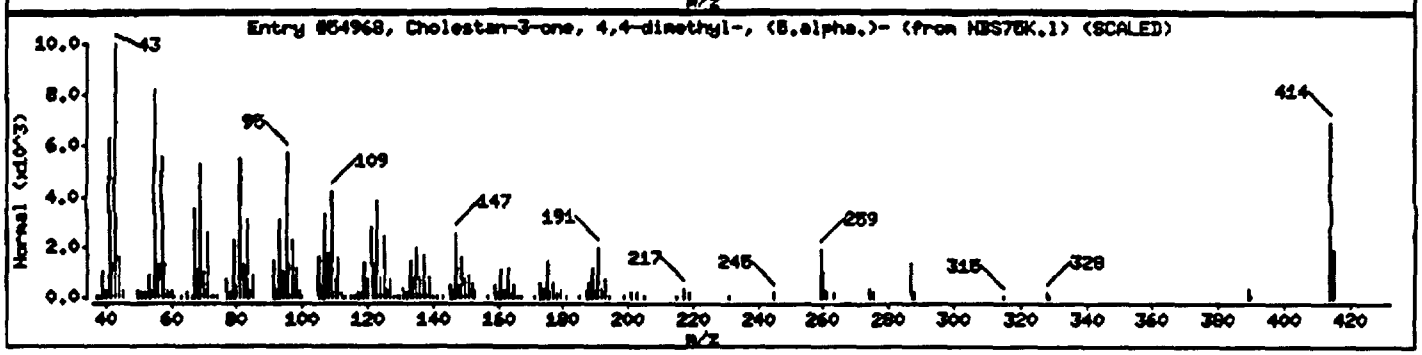
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.beta.-Sitosterol	83-46-5	NBS75K.l	74350	30	C29H50O	414
.gamma.-Sitosterol	83-47-6	NBS75K.l	54968	25	C29H50O	414
Cholestan-3-one, 4,4-dimethyl-, (5.alpha	2097-85-0	NBS75K.l	54968	15	C29H50O	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)

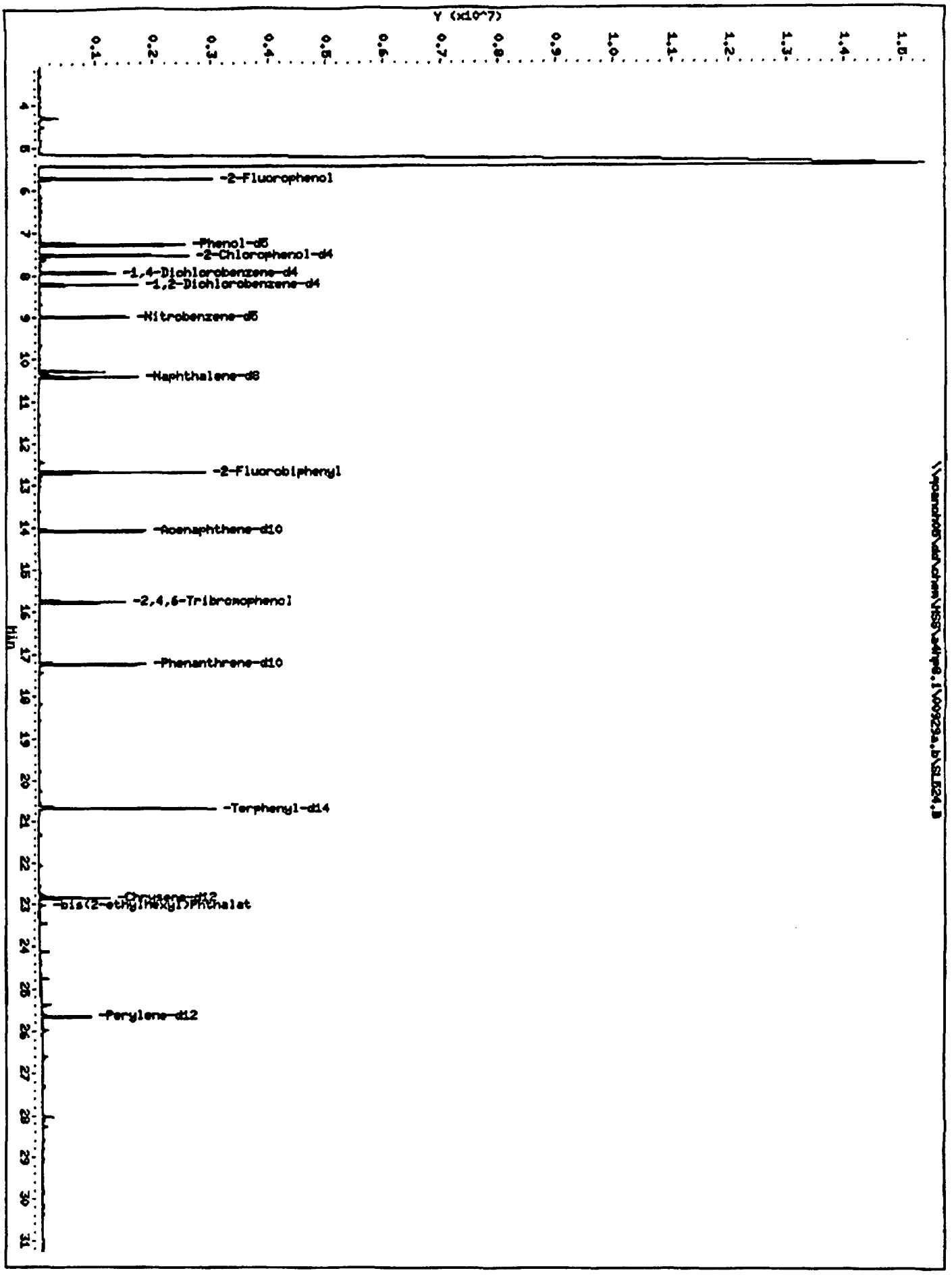
Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRNN10U Date Extracted: 09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %: 21

QC Batch: 0249298

Client Sample Id: SLS2-4'

(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


Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
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22
23
24
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26
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.					

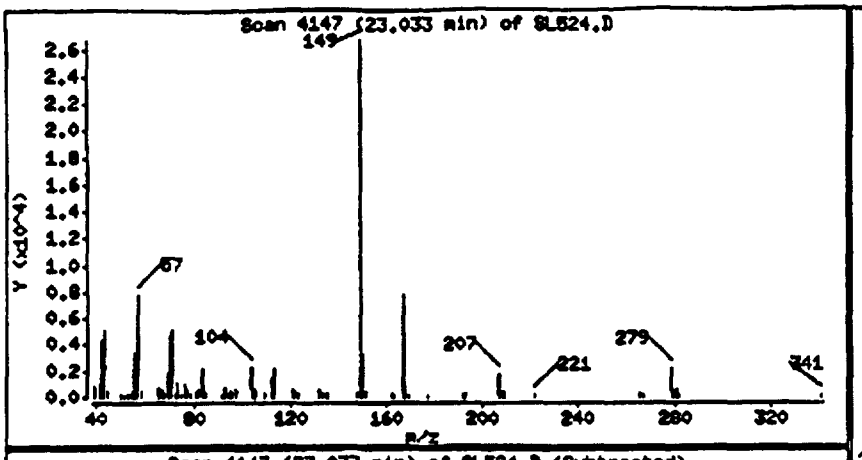
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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.					

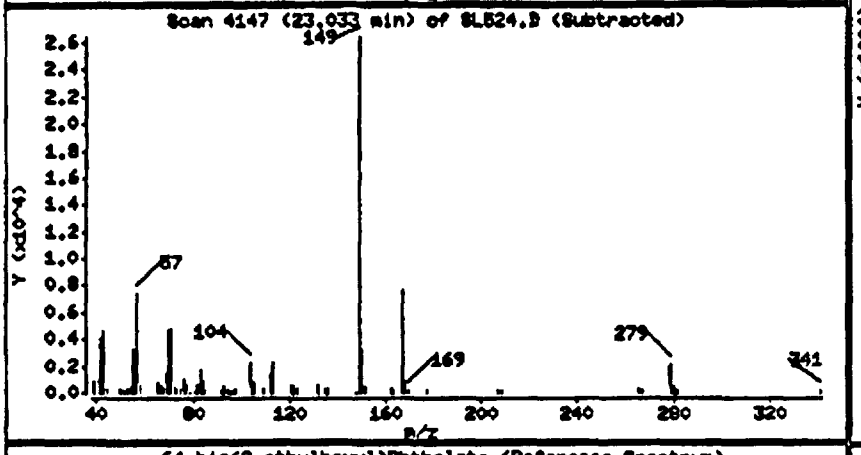
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	23.032	23.039	(1.008)	46500	3.37371	56(a)
	65 Di-n-octylphthalate	149	Compound 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

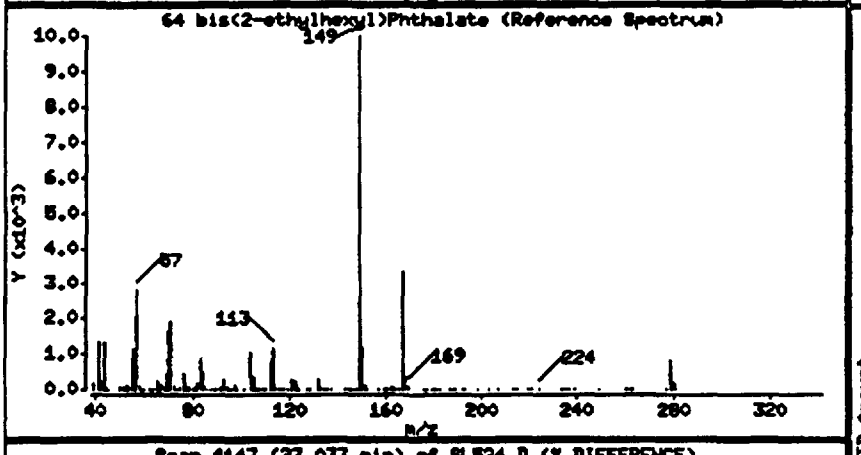
QC Flag Legend

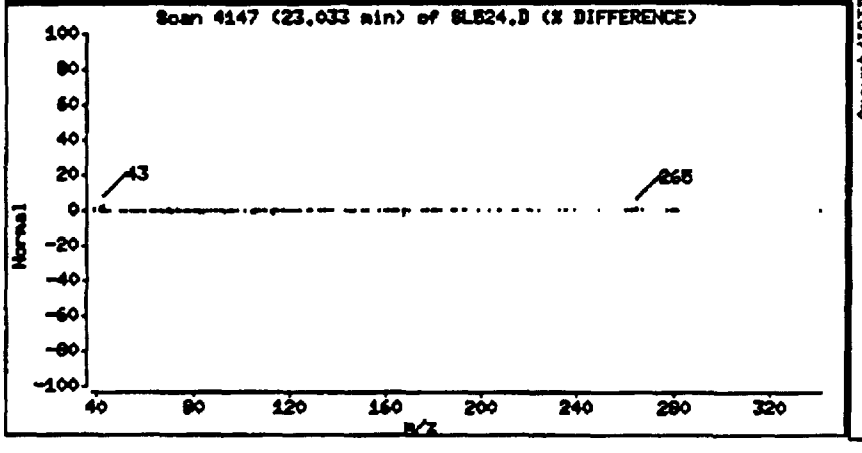
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

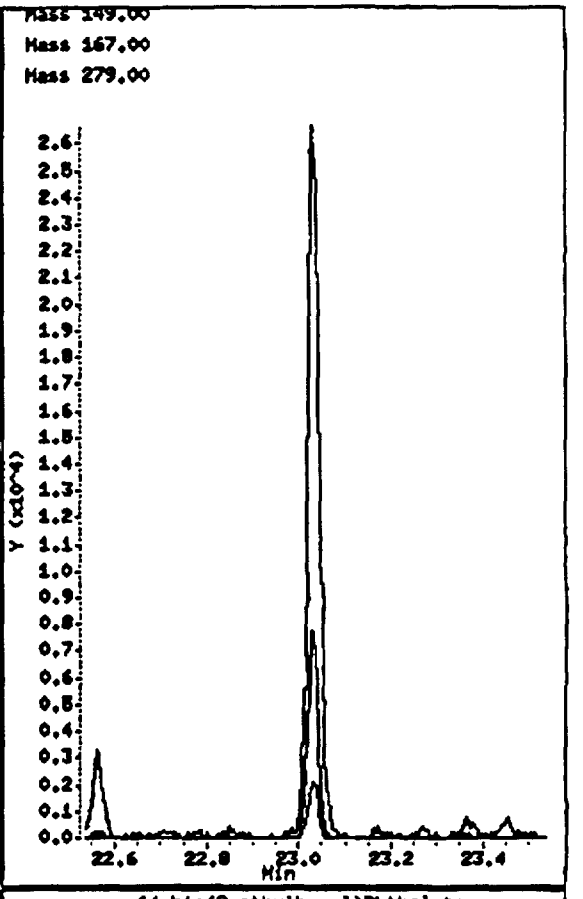
64 bis(2-ethylhexyl)Phthalate

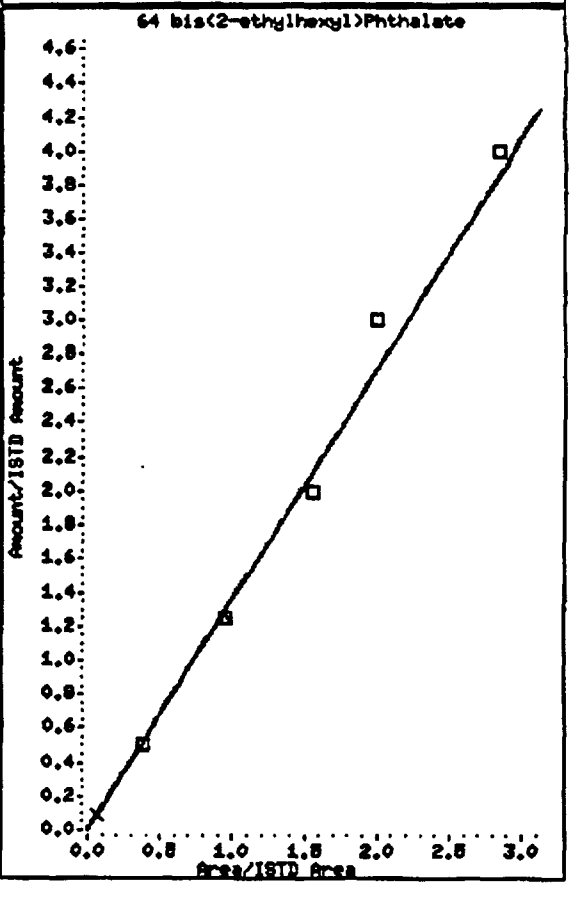












STL - North Canton

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	LIBRARY	QUANT LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.418	1.811e+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	84	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	5.34755182	88	0		0	6

Data File: \\ecanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL524.D

Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnn10u,00929a.b,olp31,1-olp90.sub

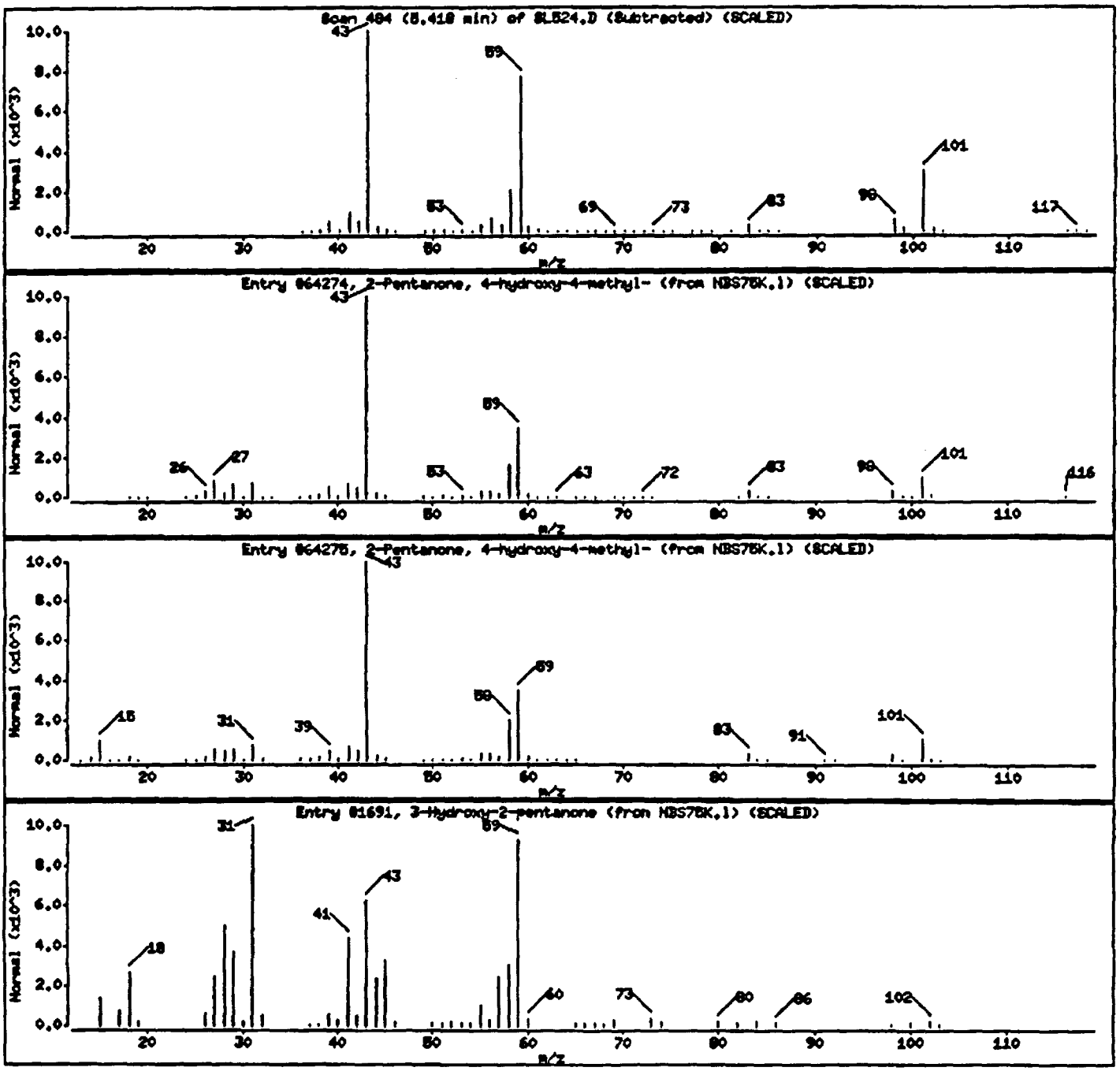
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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



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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

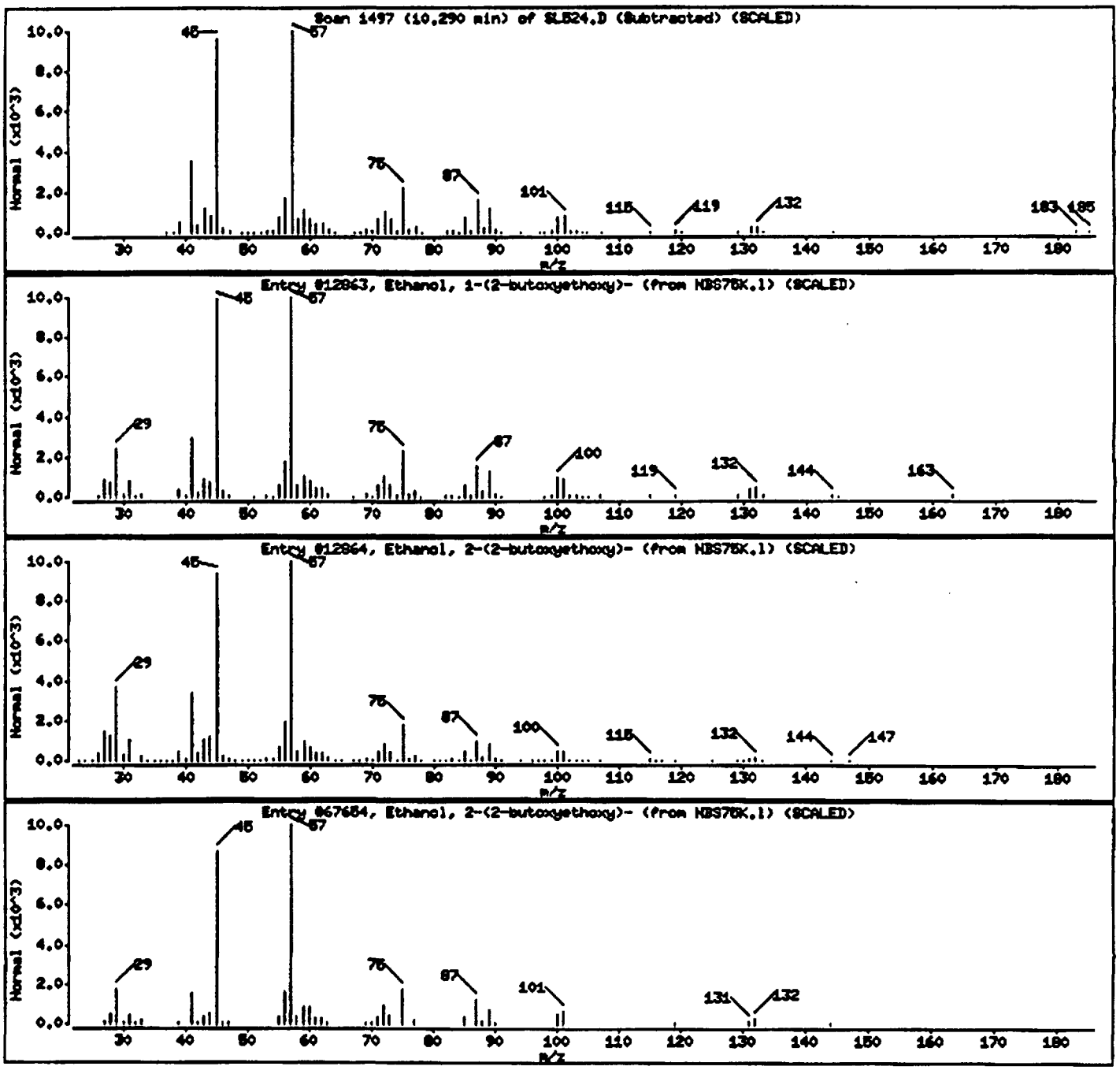
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

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



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Date : 30-SEP-2000 00:15

Client ID: SL82-4'

Instrument: a4hp8.i

Sample Info: djrmnl0u,00929a.b,olp31,1-olp90.sub

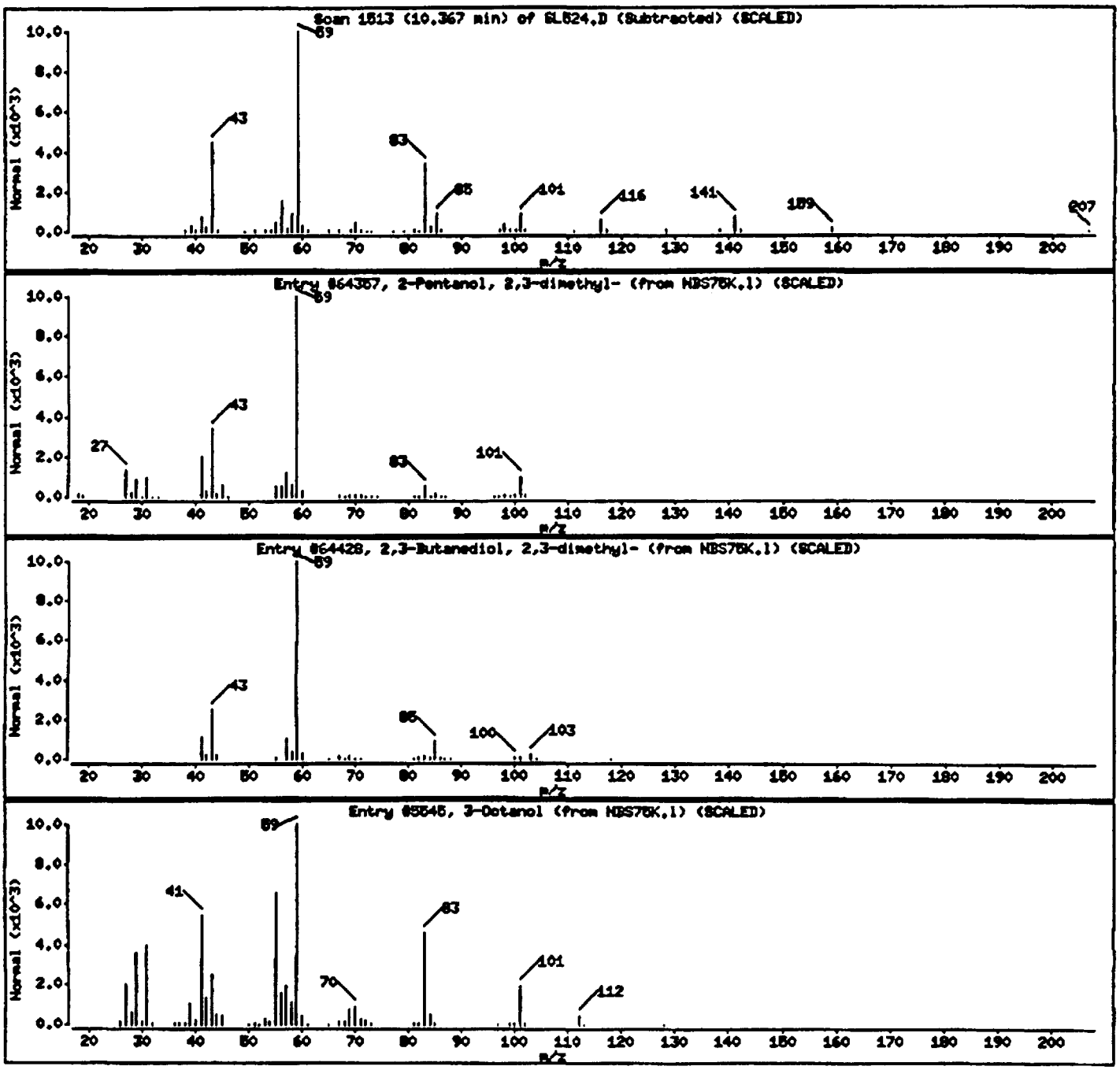
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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	55545	38	C8H18O	130



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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnni0u,00929a,b,olp31,i-olp90,sub

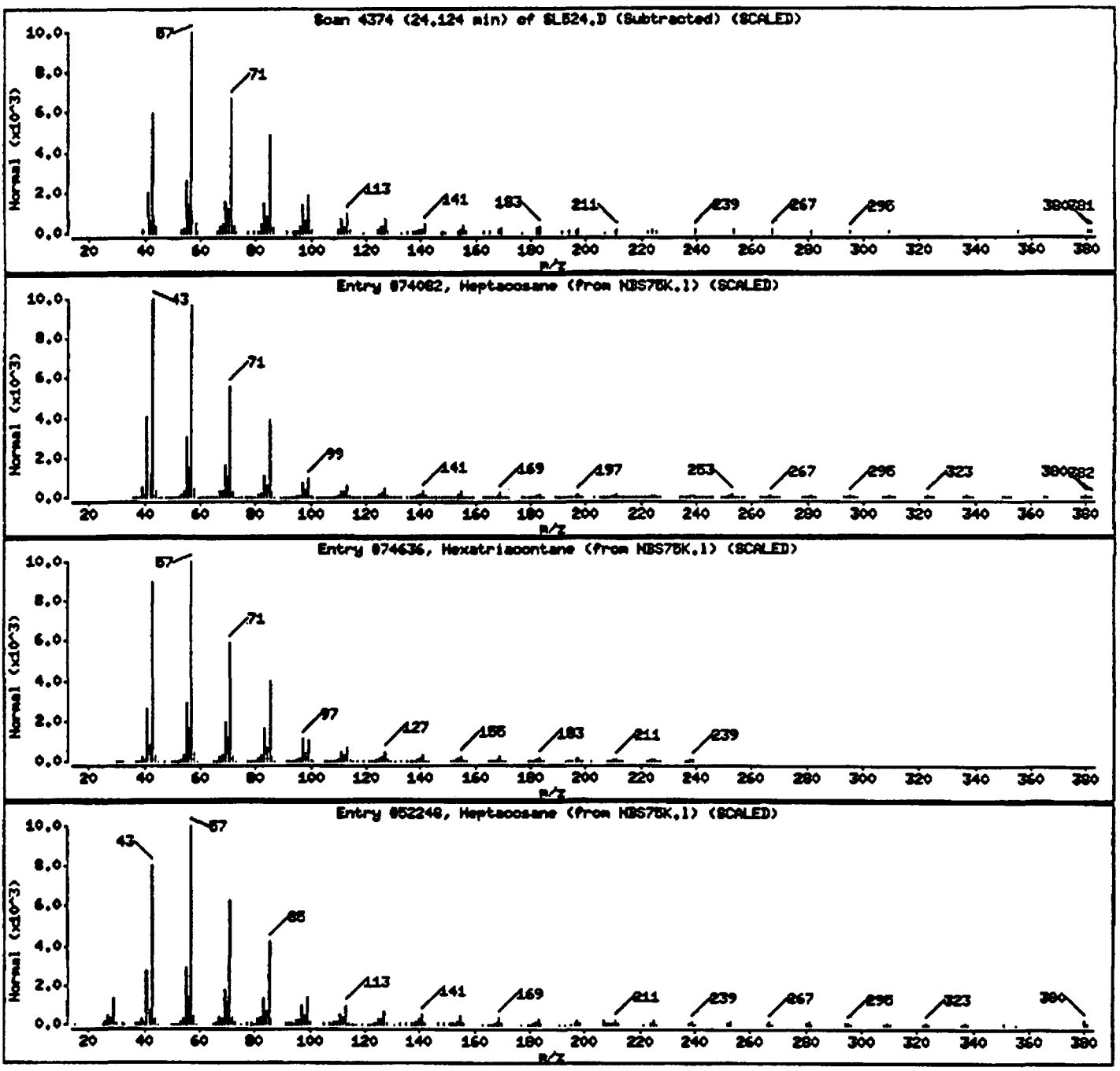
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Heptacosane	593-49-7	NBS75K.l	74082	96	C27H56	380
Hexatriacontane	630-06-8	NBS75K.l	74636	94	C36H74	507
Heptacosane	593-49-7	NBS75K.l	52248	91	C27H56	380



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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnni0u,00929a.b,olp31,i-olp90.sub

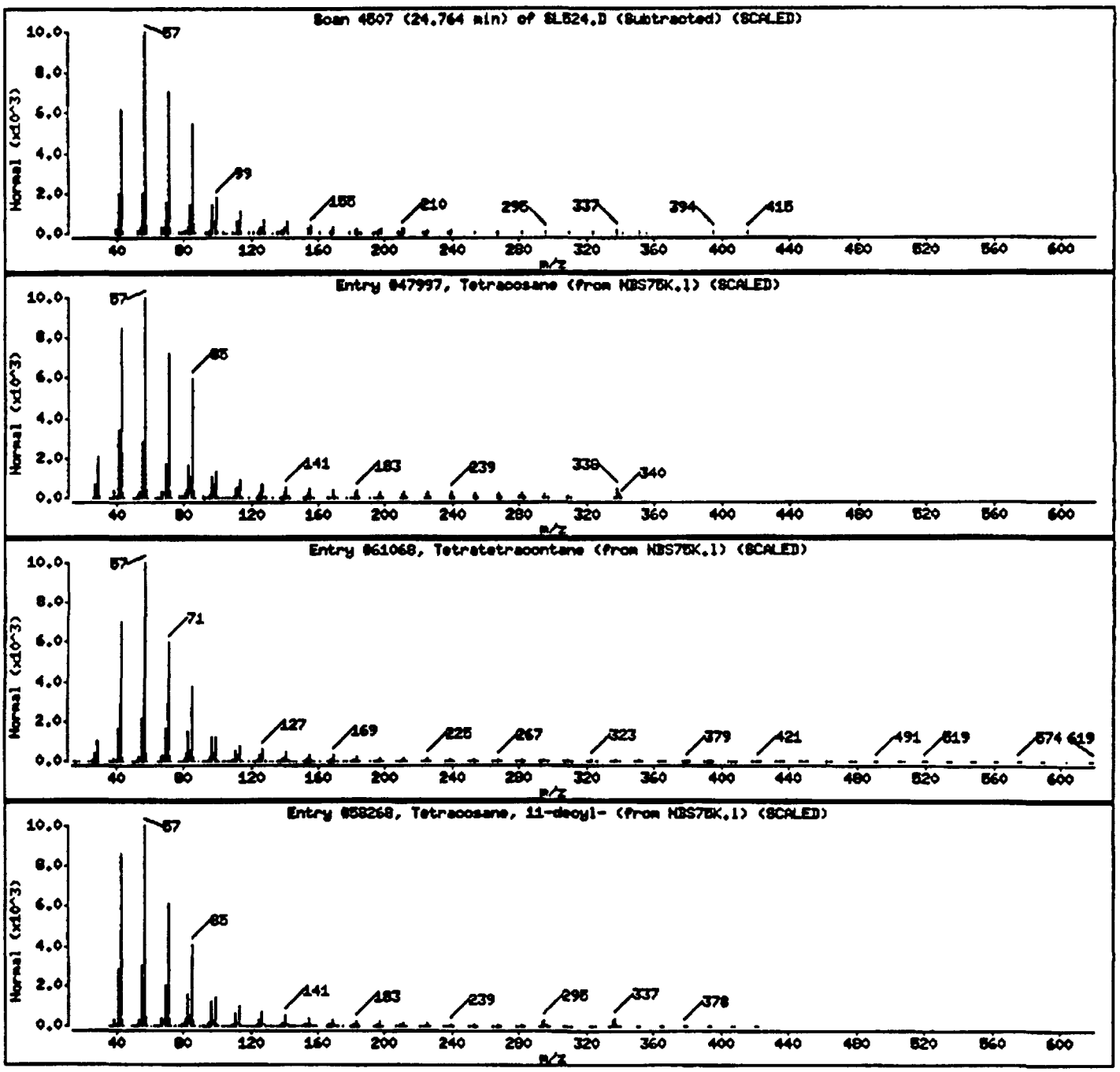
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tetracosane	646-31-1	NBS75K.l	47997	91	C24H50	338
Tetratetracontane	7098-22-8	NBS75K.l	61068	90	C44H90	619
Tetracosane, 11-decyl-	55429-84-0	NBS75K.l	58268	90	C34H70	479



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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrmnl0u,00929a.b,olp31,i-olp90,sub

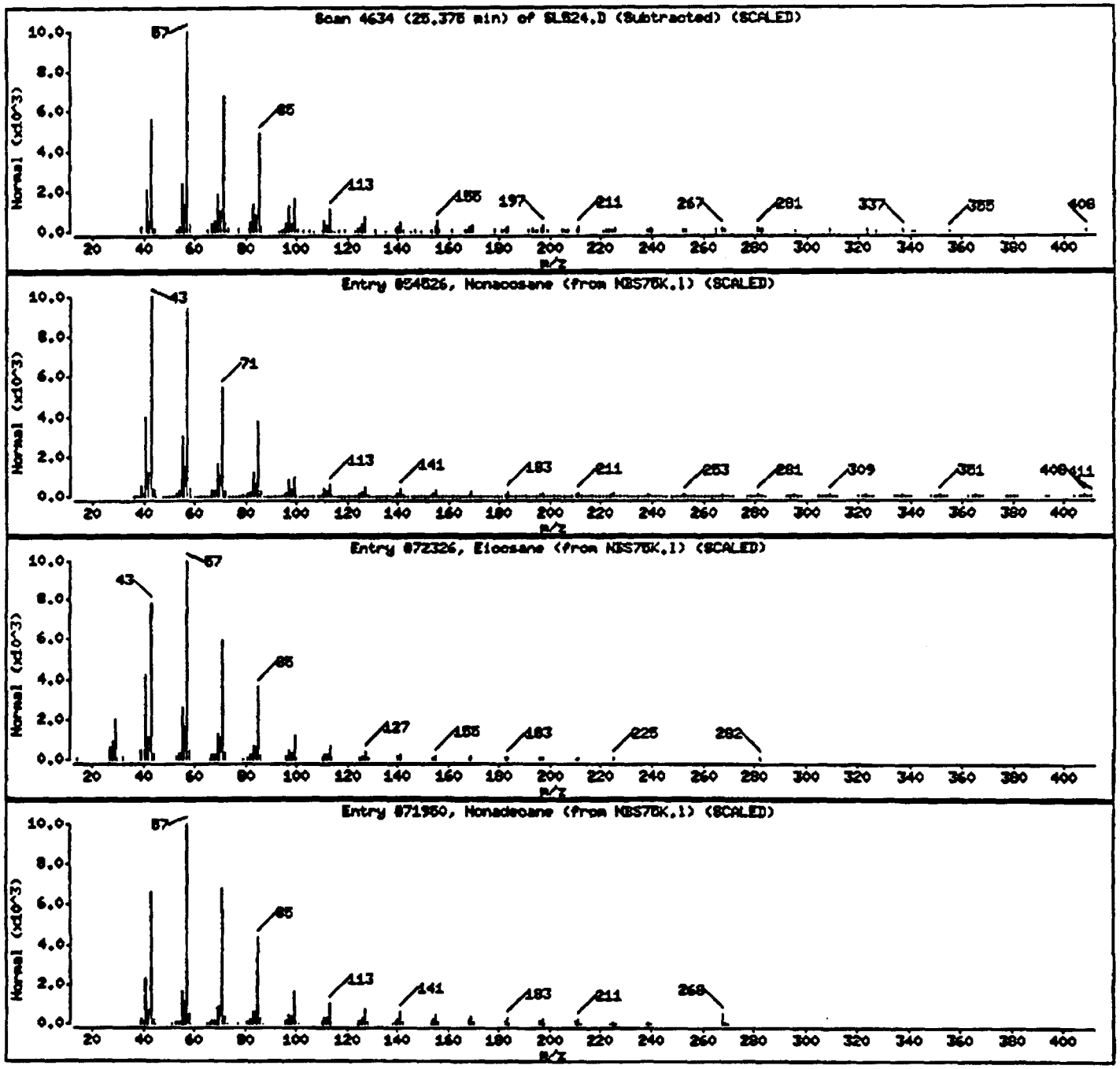
Volume Injected (uL): 2.0

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	84526	95	C29H60	408
Eicosane	112-95-8	NBS75K.l	72326	95	C20H42	282
Nonadecane	629-92-5	NBS75K.l	71950	95	C19H40	268



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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnnl0u,00929a.b,olp31,1-olp90,sub

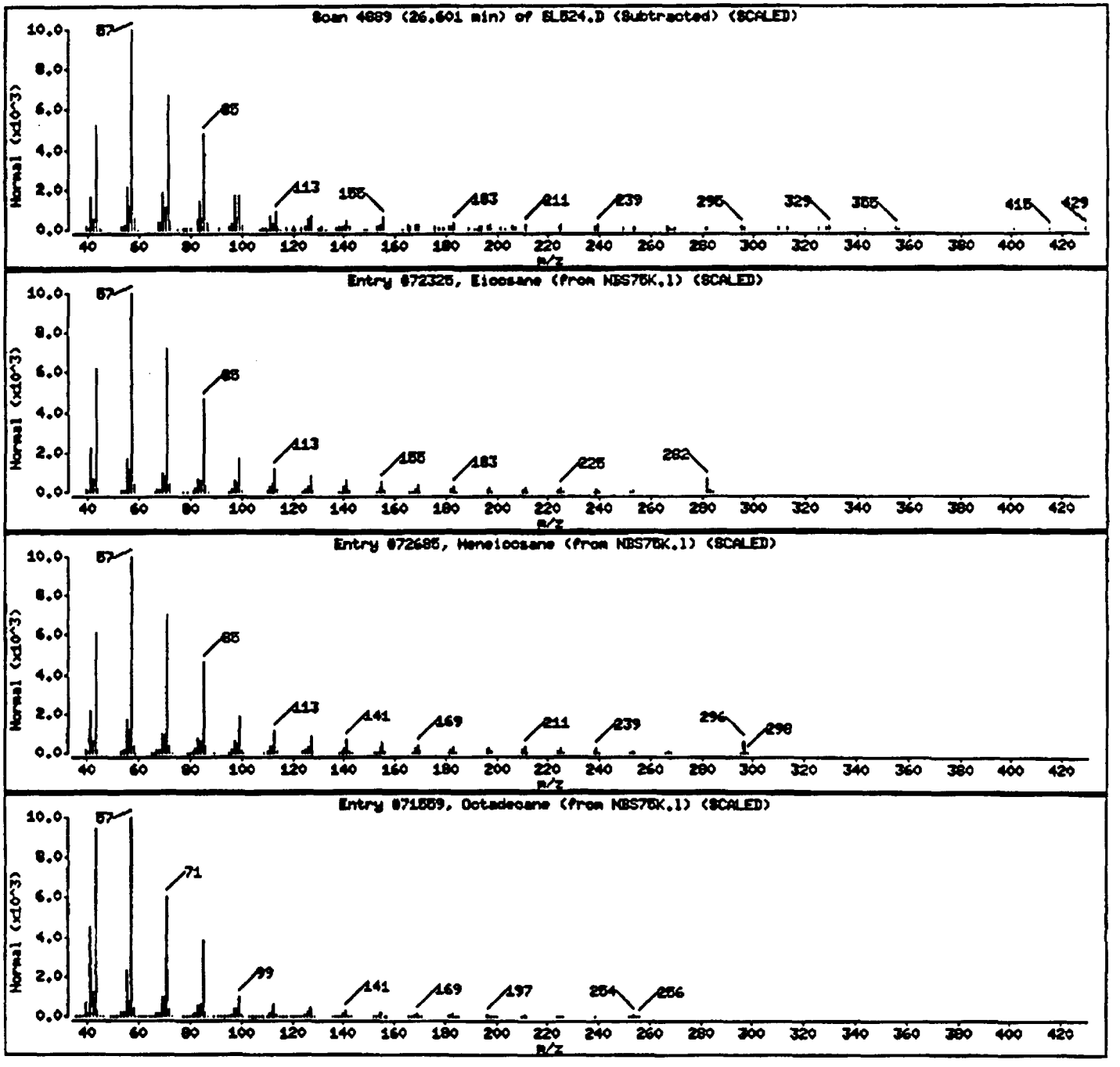
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Eicosane	112-95-8	NBS75K.1	72325	95	C20H42	282
Heneicosane	629-94-7	NBS75K.1	72685	94	C21H44	296
Octadecane	593-45-3	NBS75K.1	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,olp31,1-olp90,sub

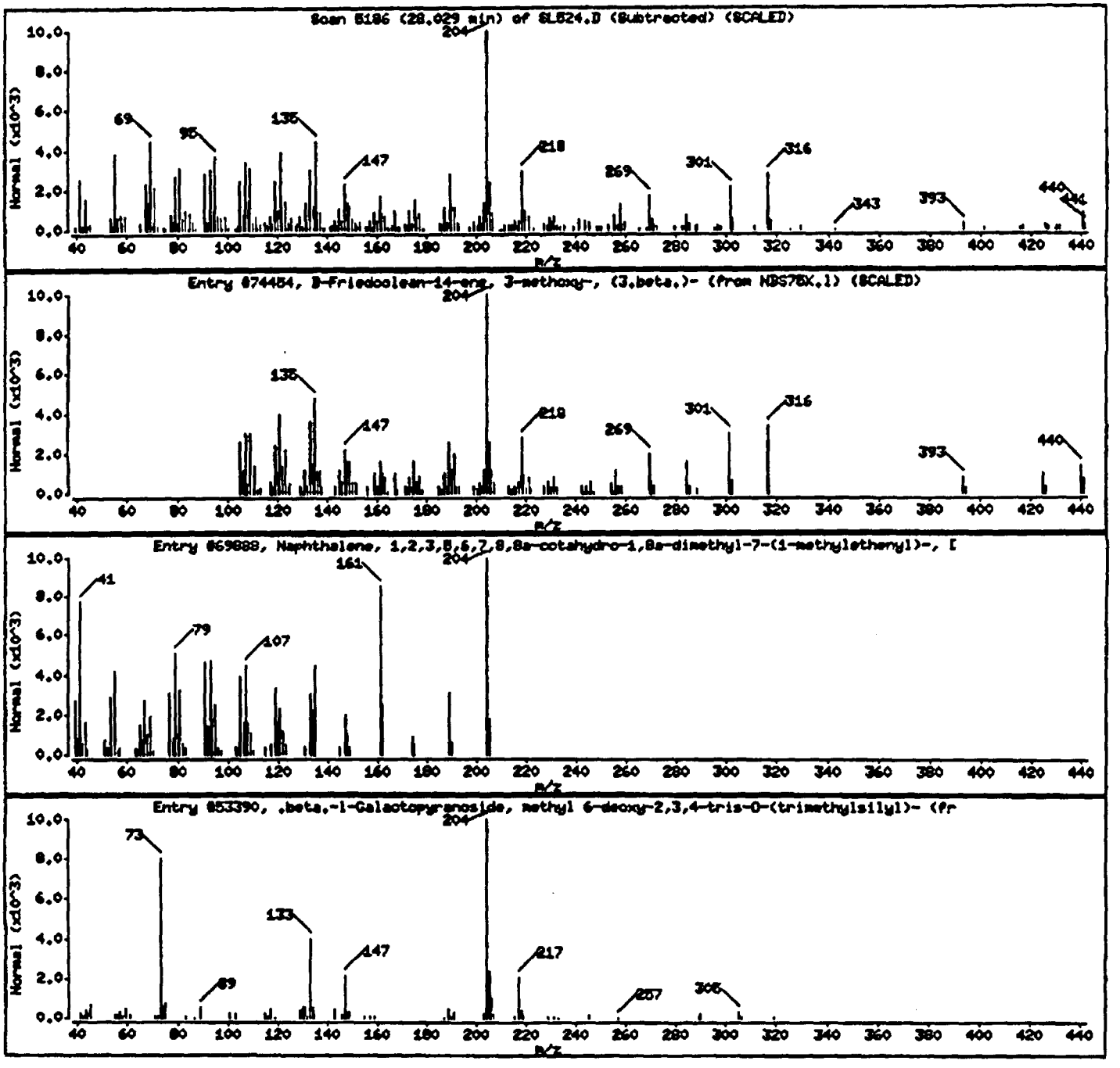
Volume Injected (uL): 2.0

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	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	56271-89-1	NBS75K.l	53390	43	C16H38O5Si3	394



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Date : 30-SEP-2000 00:15

Client ID: SL52-4'

Instrument: a4hp8.i

Sample Info: djrnni0u,00929a.b,olp31,1-olp90.sub

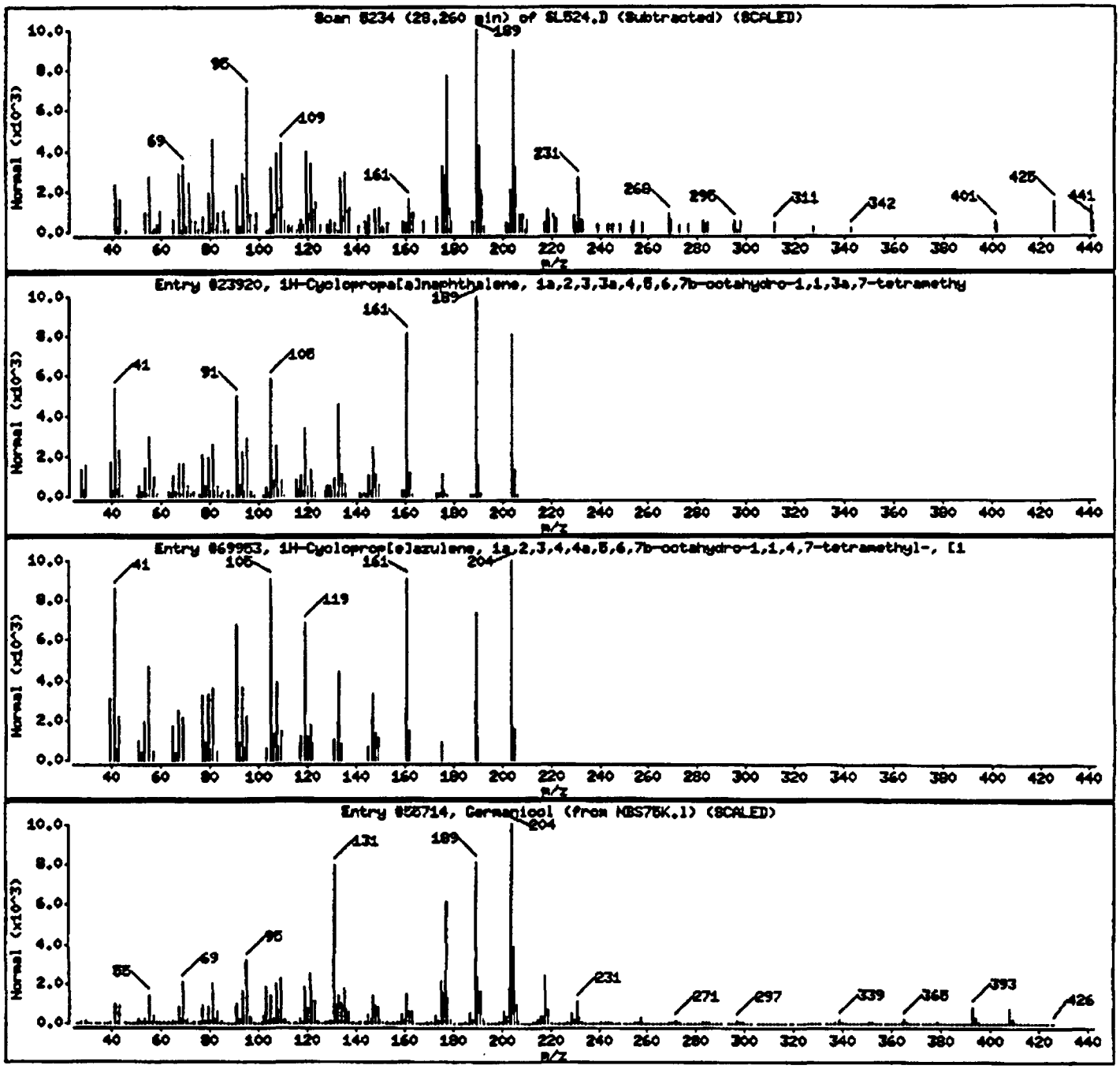
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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	69963	46	C15H24	204
Germanicol	465-02-1	NBS75K.l	85714	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	

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)

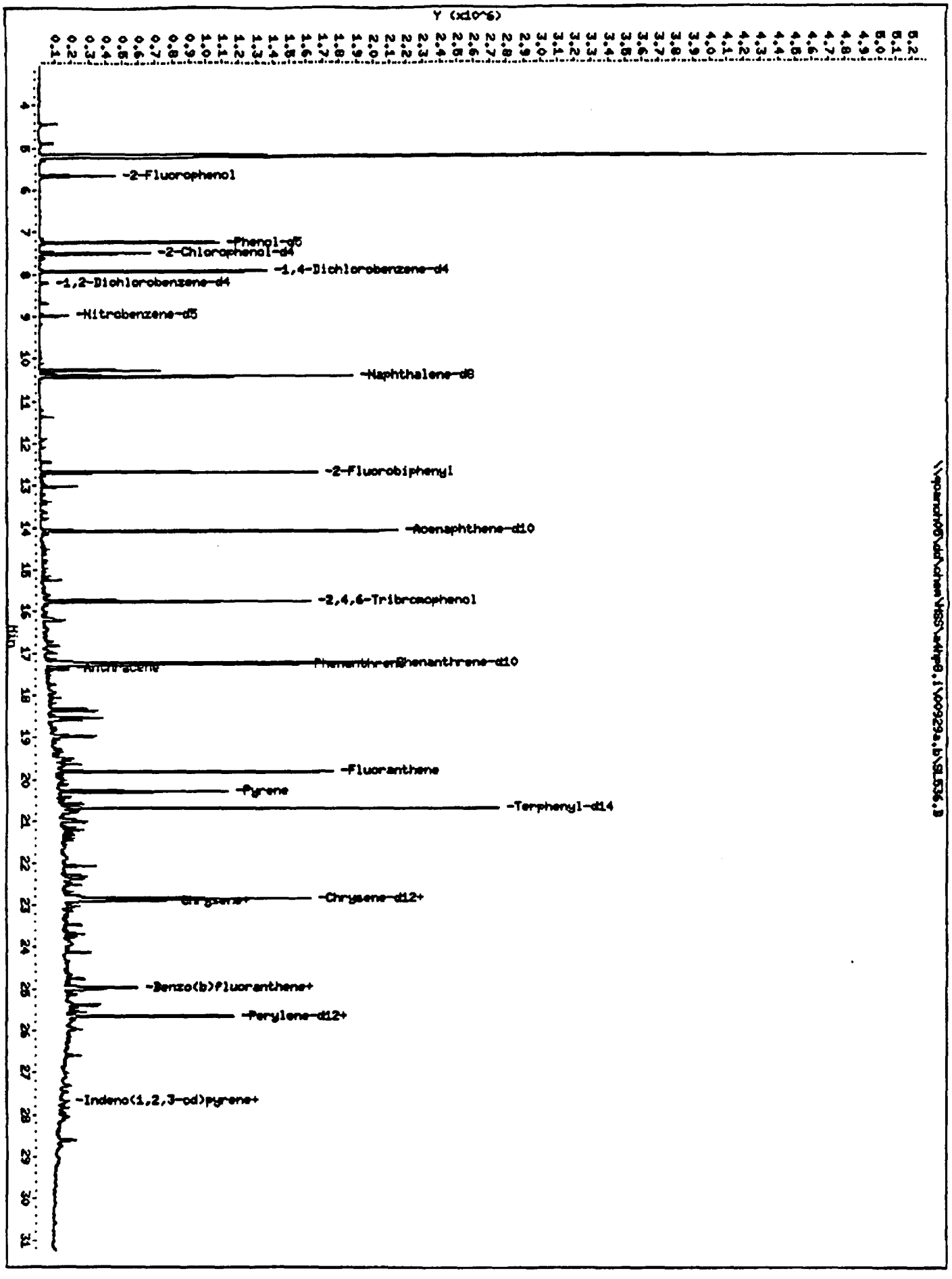
Sample WT/Vol: 30.08 / g Date Received: 09/01/00
Work Order: DJRNQ10U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

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.					

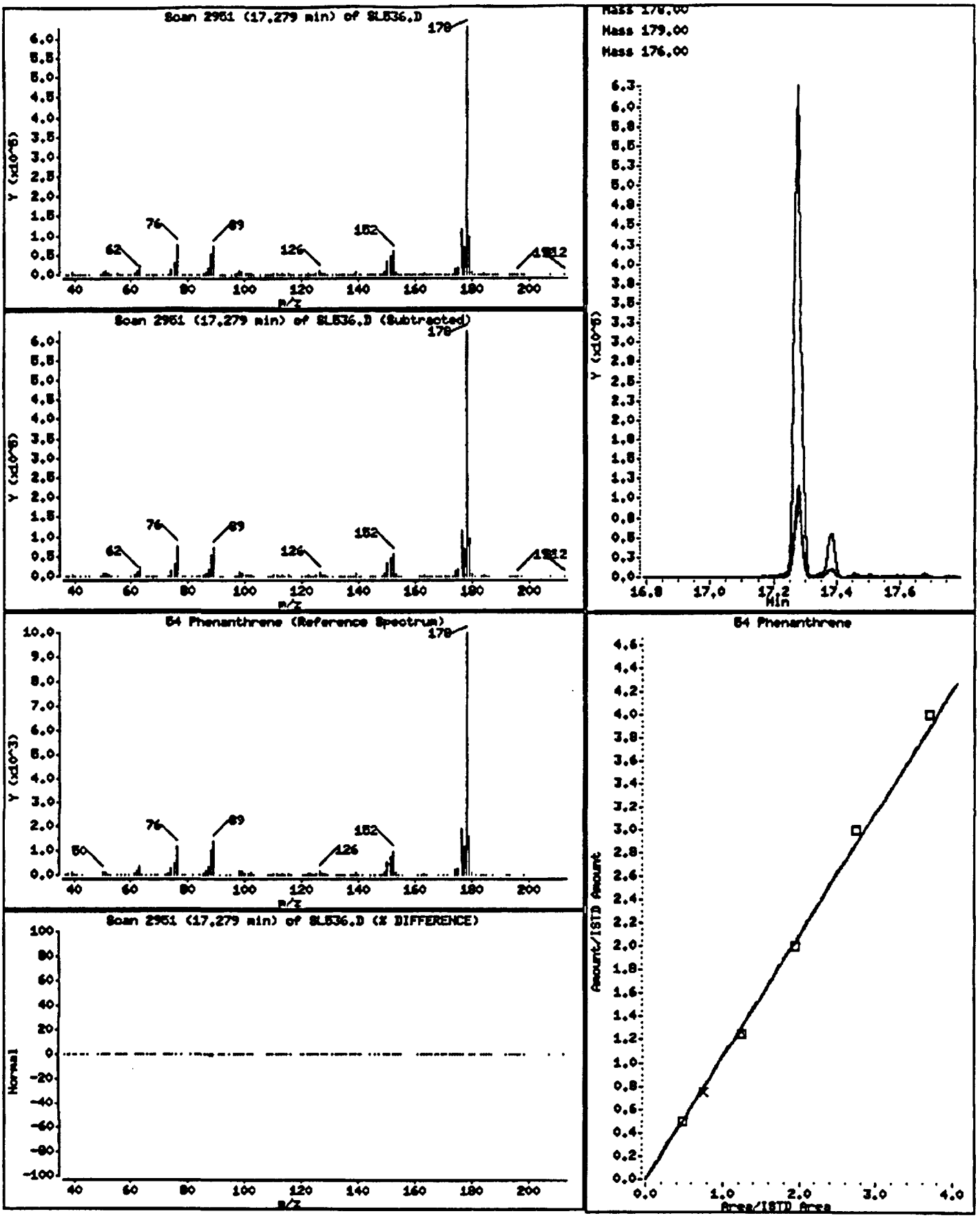
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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)	34688	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)

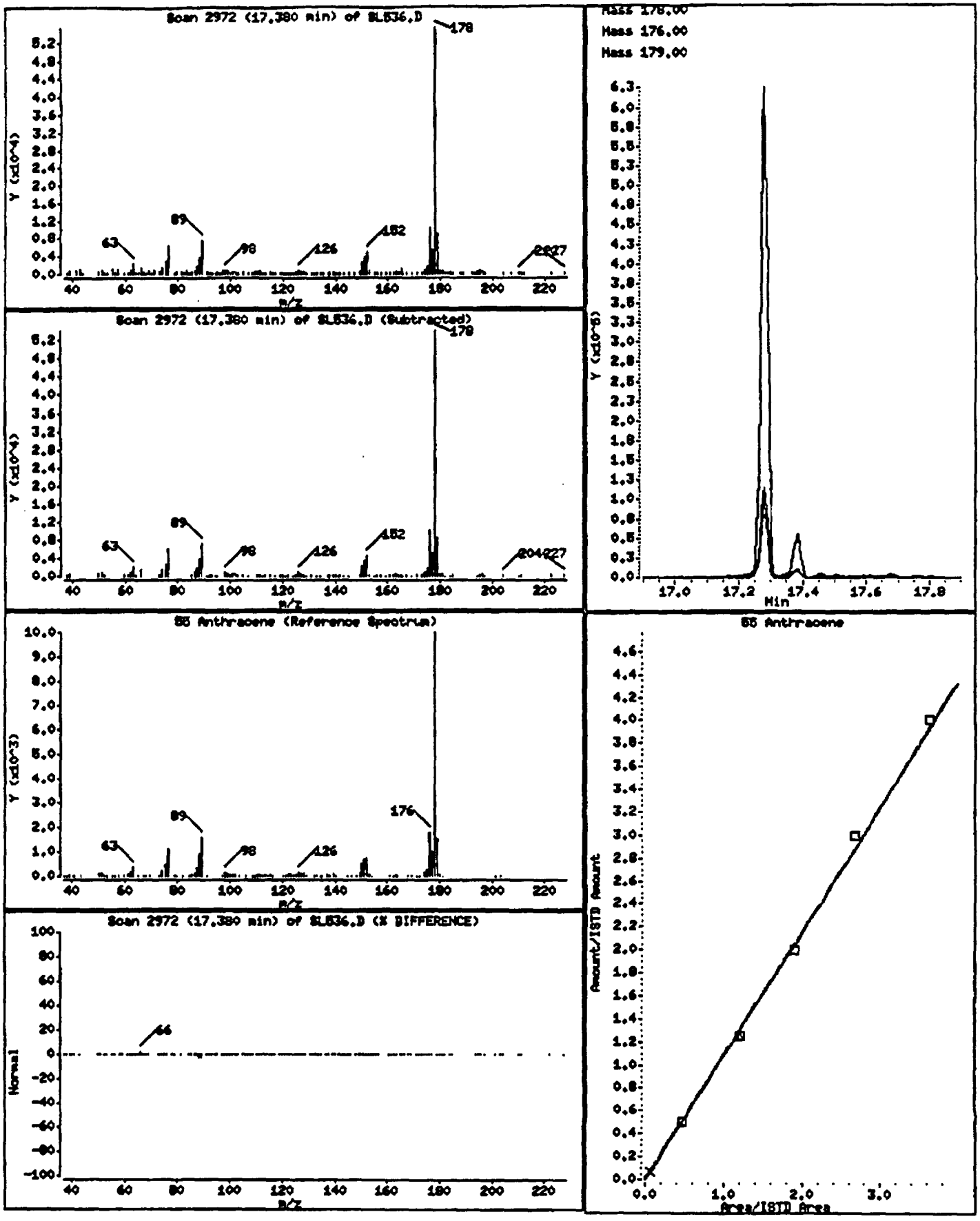
QC Flag Legend

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.

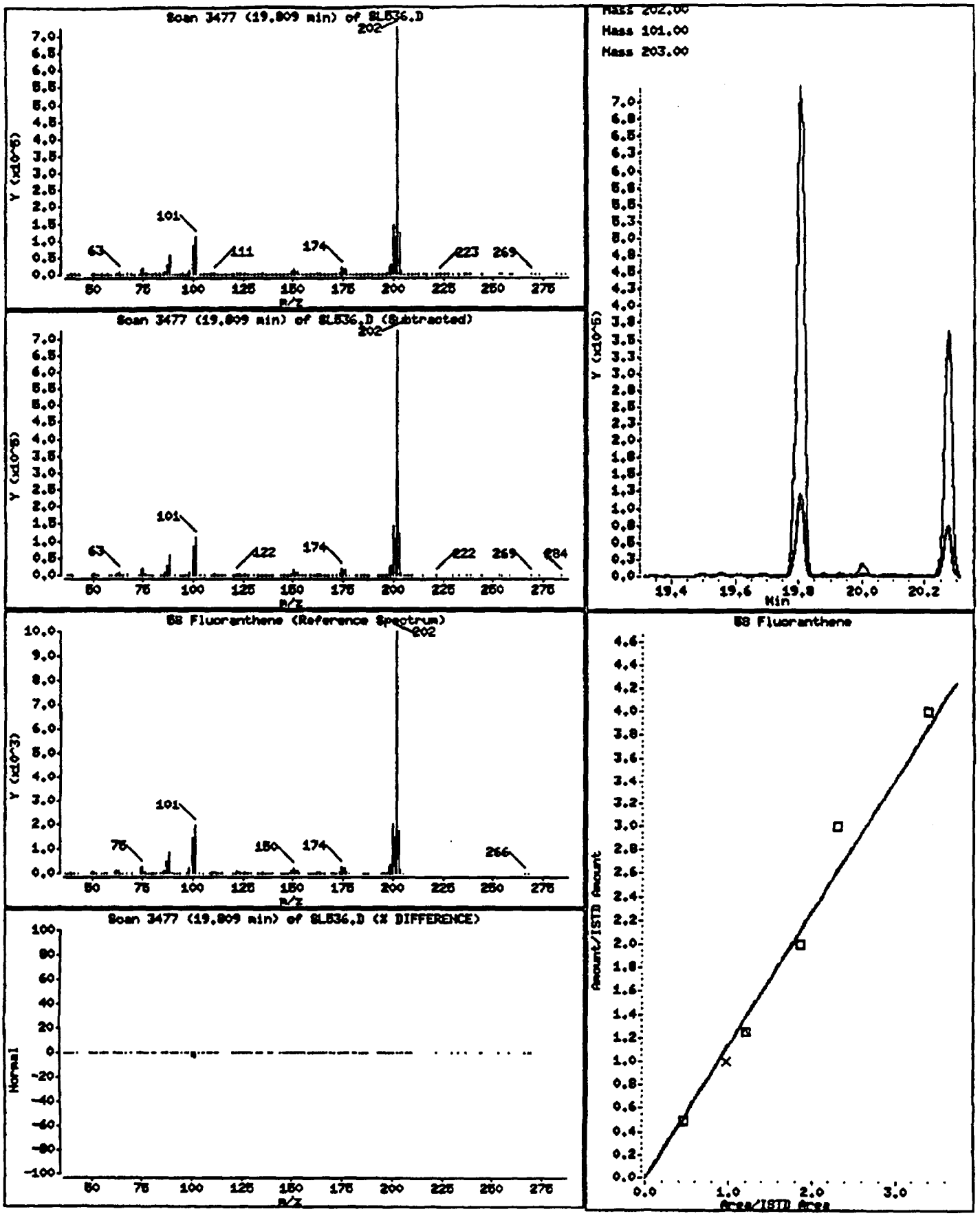
54 Phenanthrene



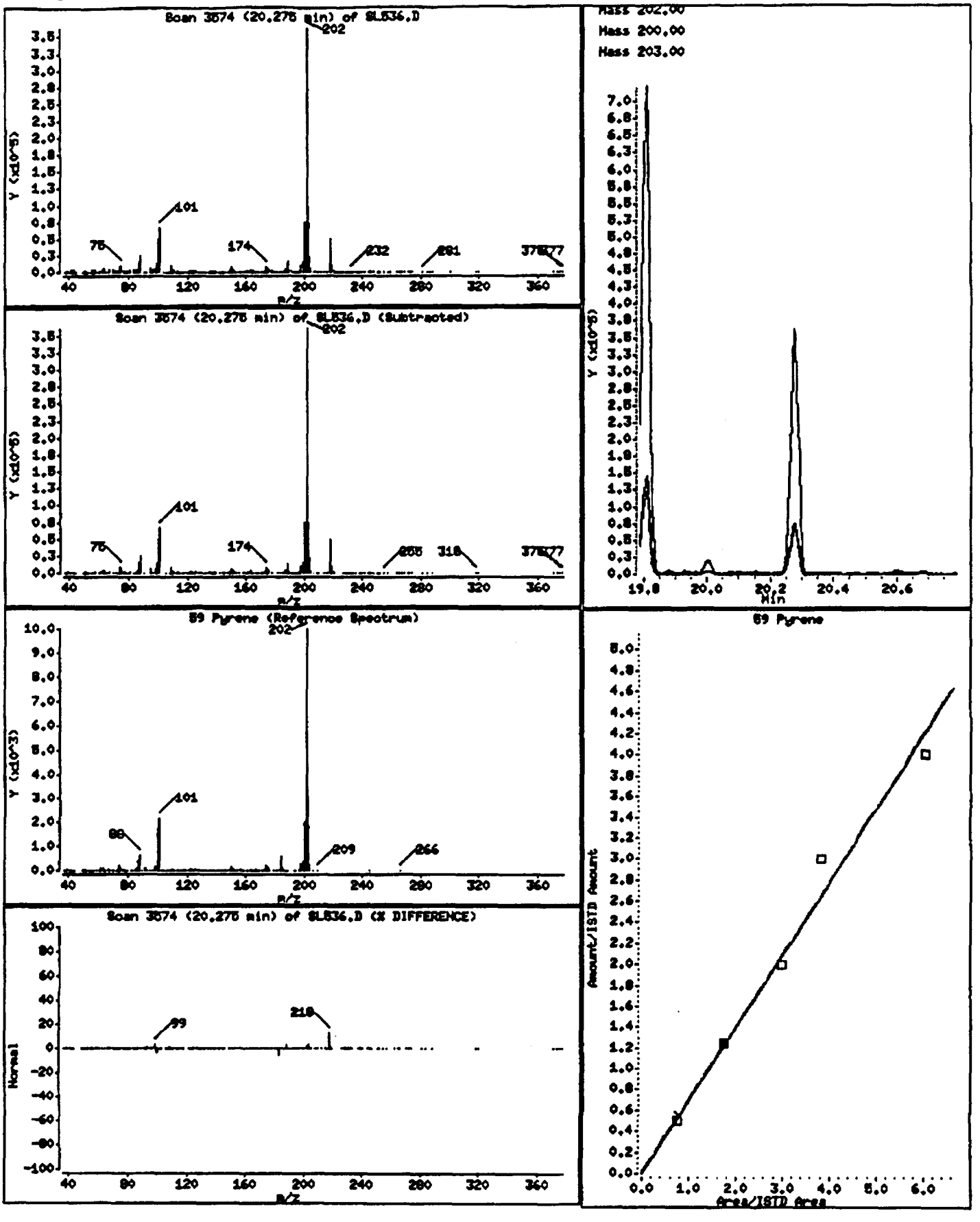
55 Anthracene



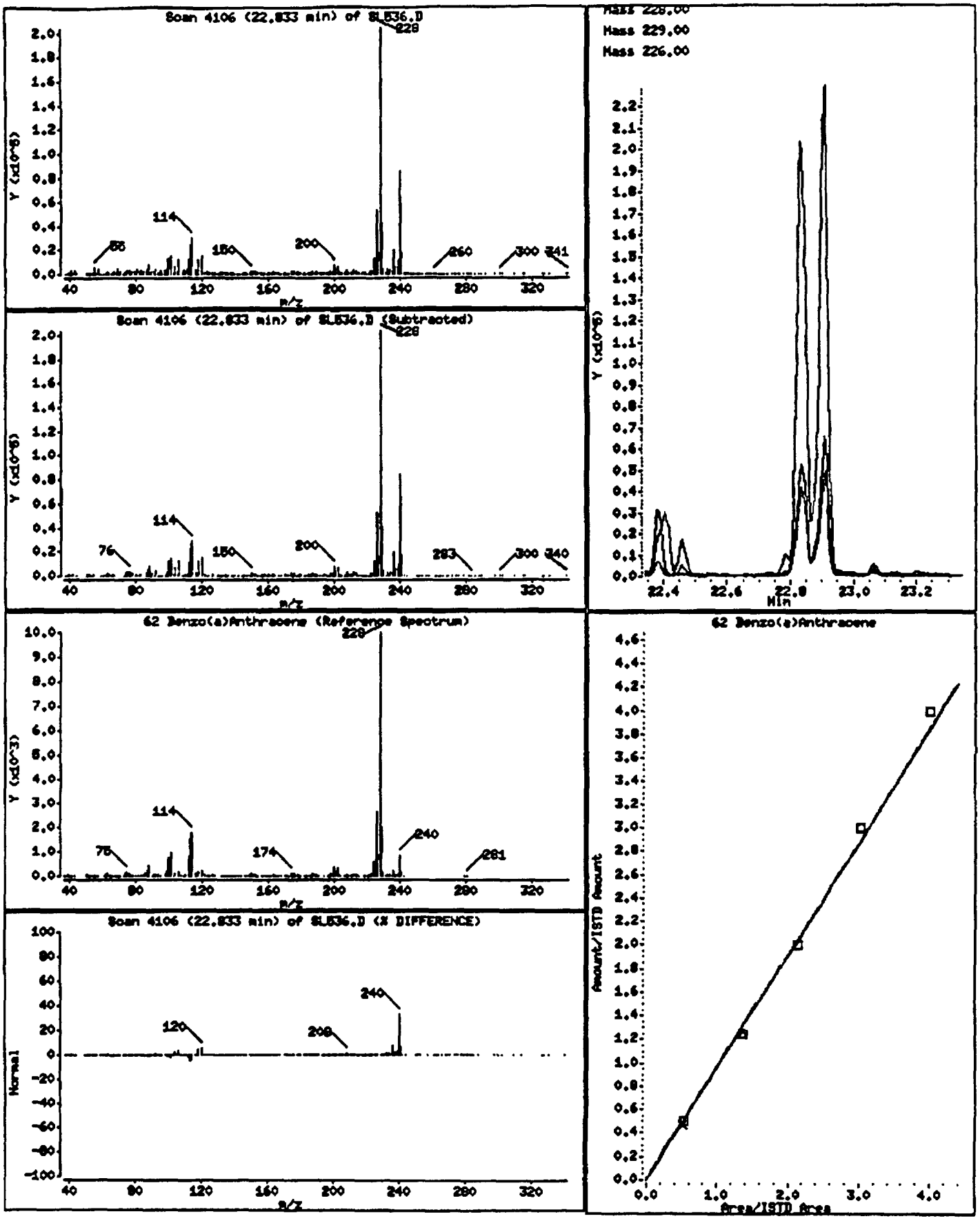
58 Fluoranthene



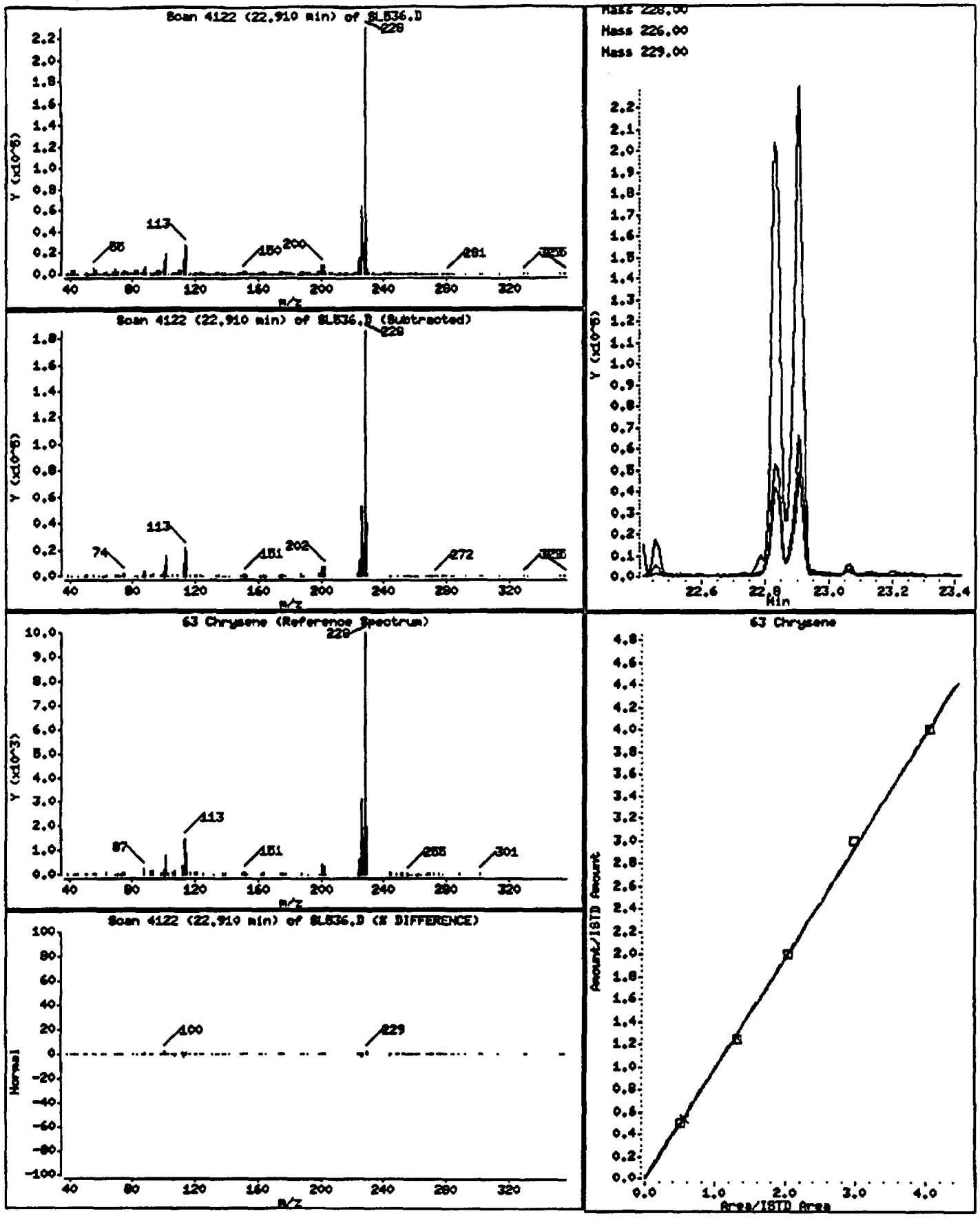
59 Pyrene


Scan 3674 (20.275 min) of SL536.D
Scan 3674 (20.275 min) of SL536.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3674 (20.275 min) of SL536.D (% DIFFERENCE)
Mass 202.00
Mass 200.00
Mass 203.00
59 Pyrene
Y (x10^5)
Y (x10^3)
Normal
m/z
Min
Amount/ISTD Amount
Area/ISTD Area

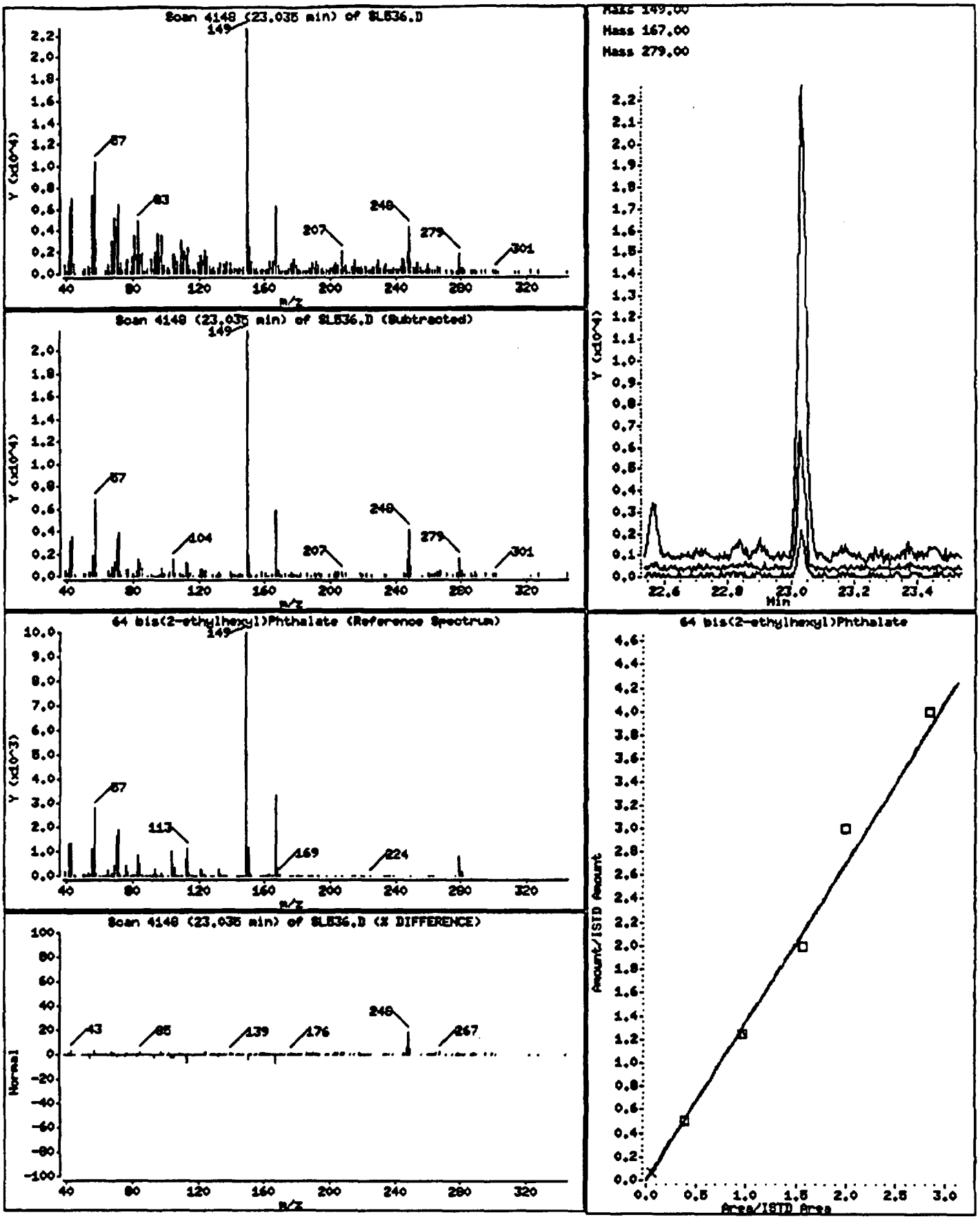
62 Benzo(a)Anthracene



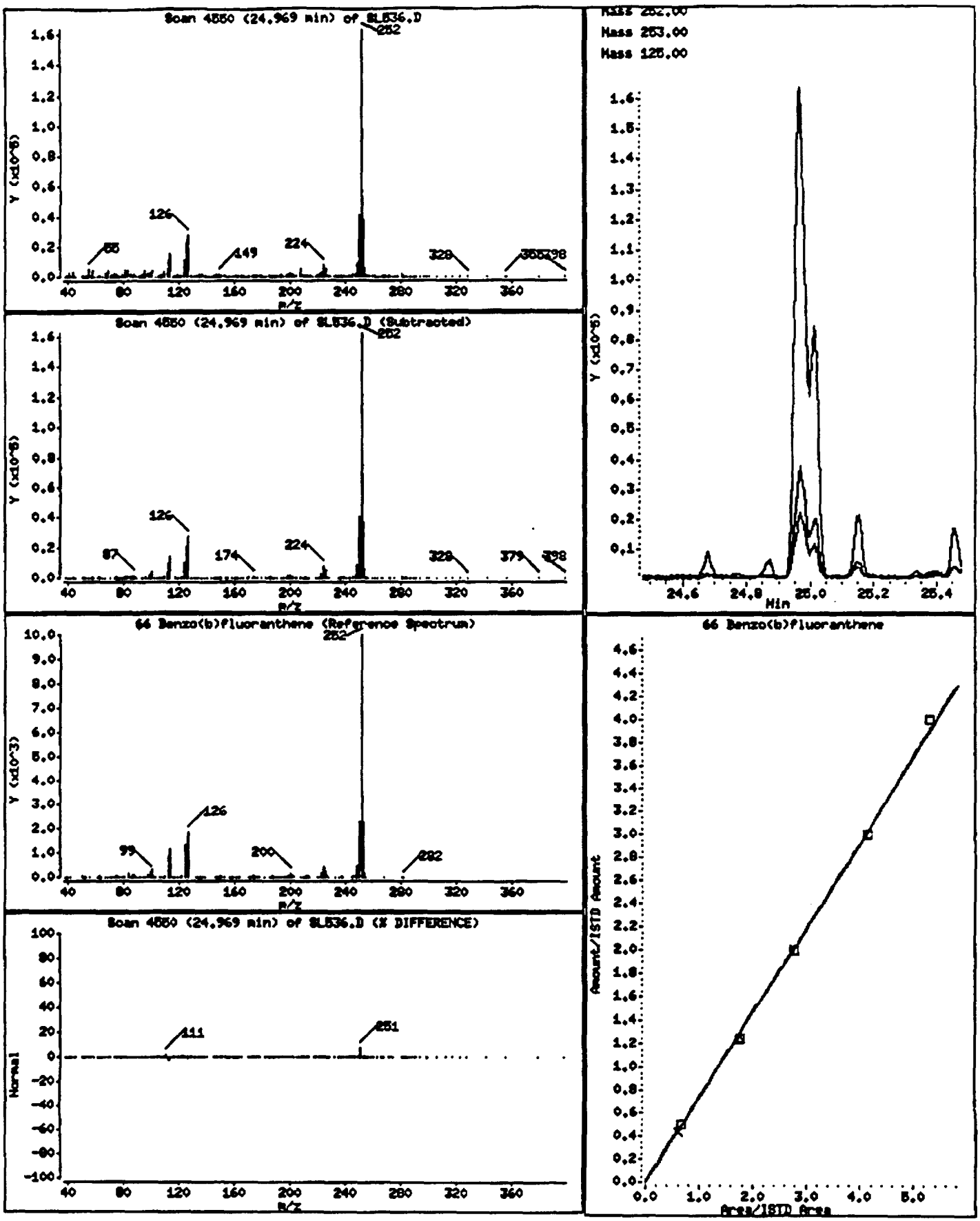
63 Chrysene


Scan 4122 (22.910 min) of SL536.D
Scan 4122 (22.910 min) of SL536.D (Subtracted)
63 Chrysene (Reference Spectrum)
Scan 4122 (22.910 min) of SL536.D (% DIFFERENCE)
Y (x10^6)
Y (x10^3)
Normal
m/z
Mass 228.00
Mass 226.00
Mass 229.00
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

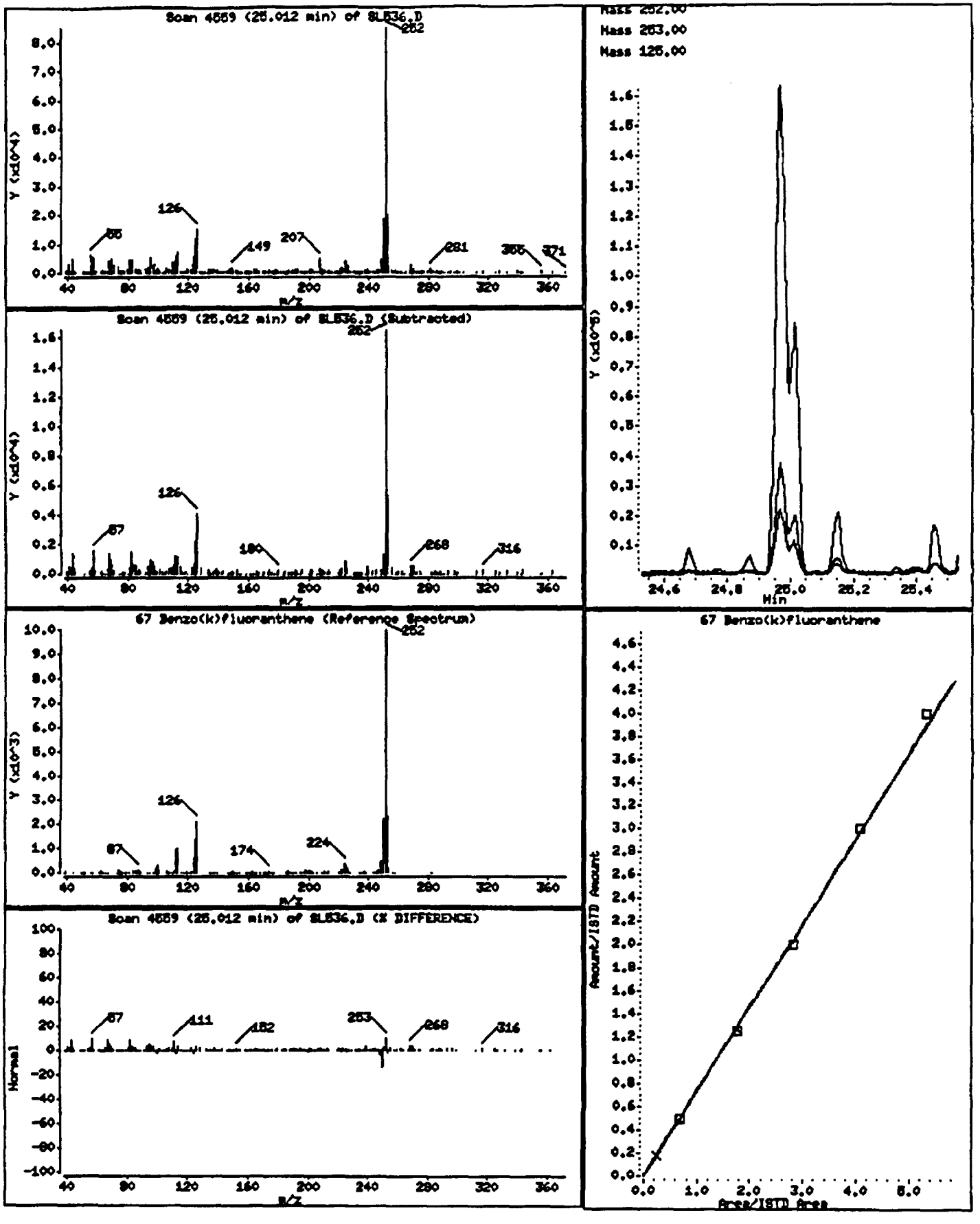
64 bis(2-ethylhexyl)Phthalate



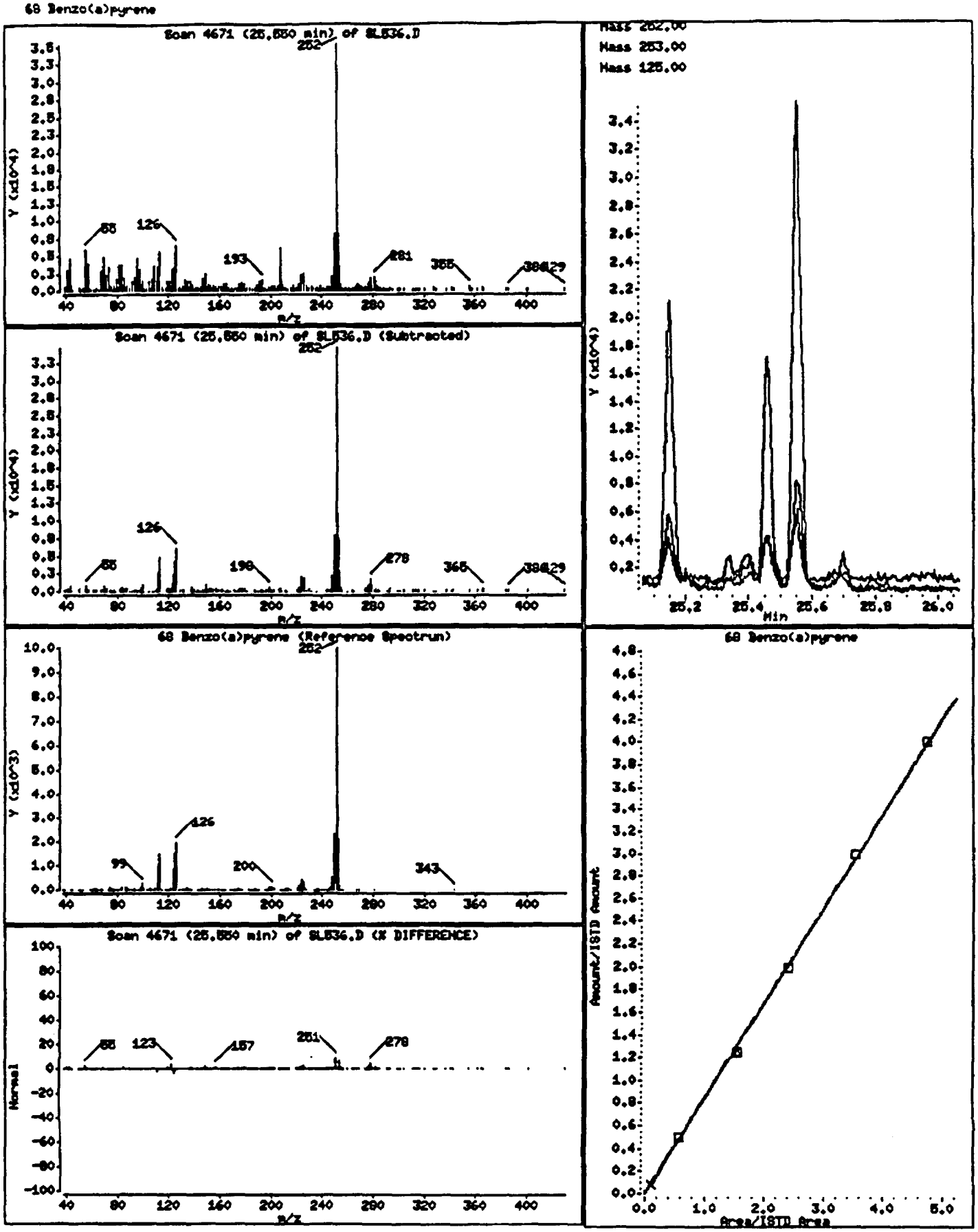
66 Benzo(b)fluoranthene



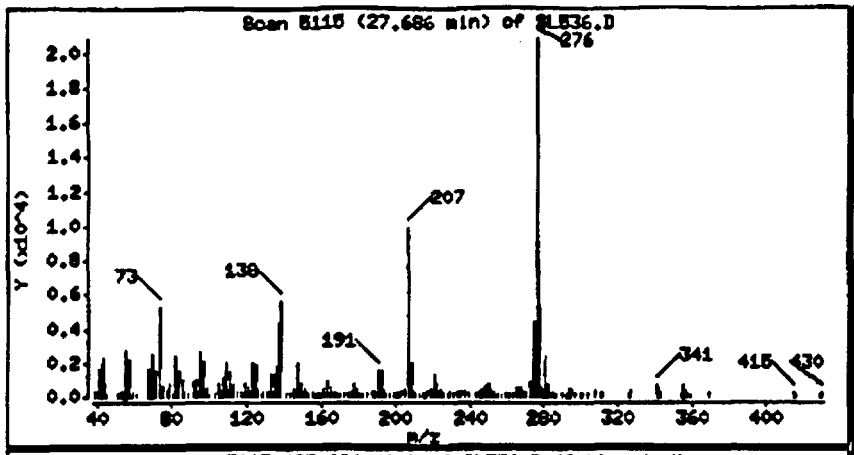
67 Benzo(k)fluoranthene

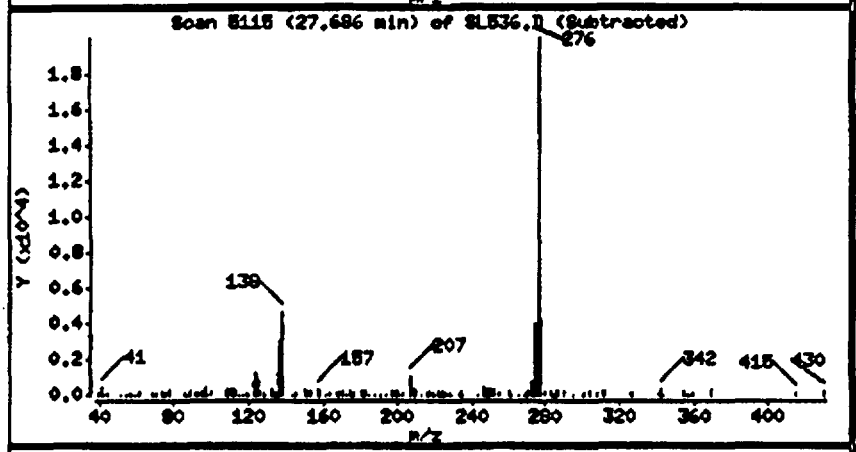


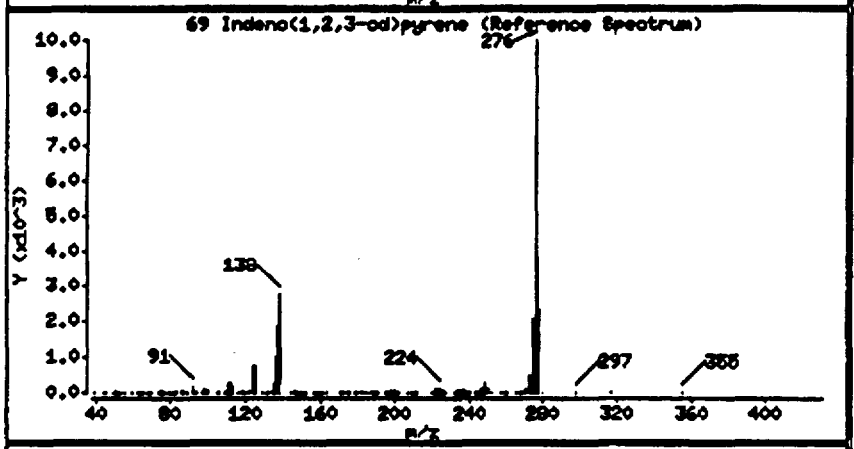
68 Benzo(a)pyrene

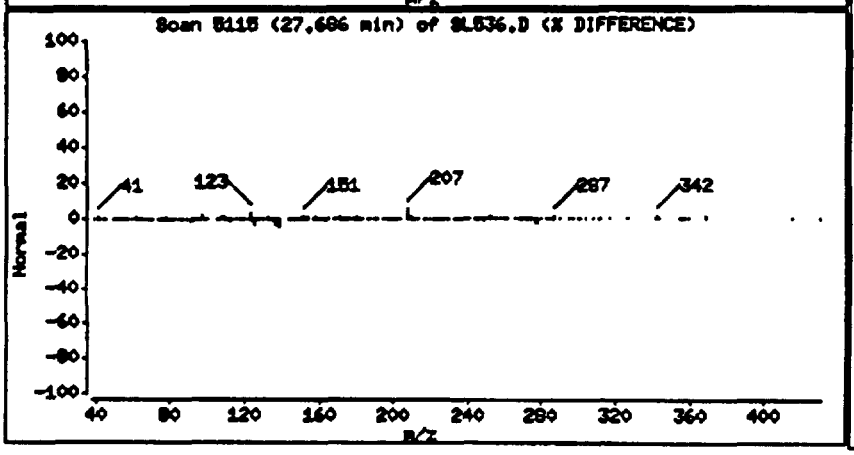


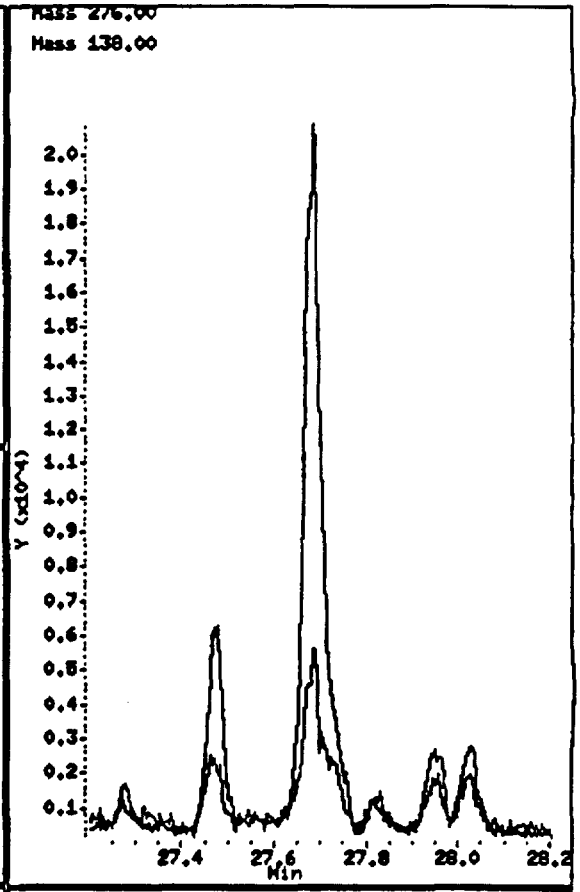
69 Indeno(1,2,3-cd)pyrene

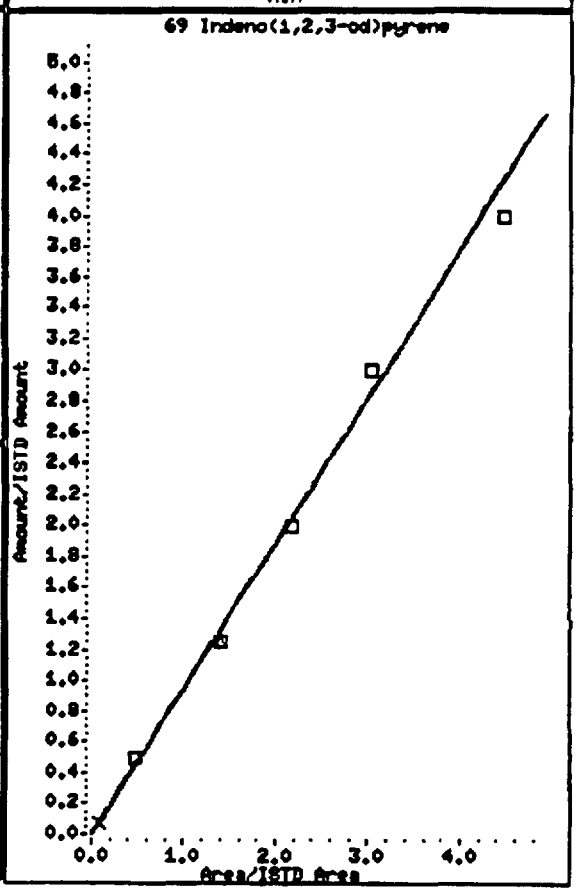




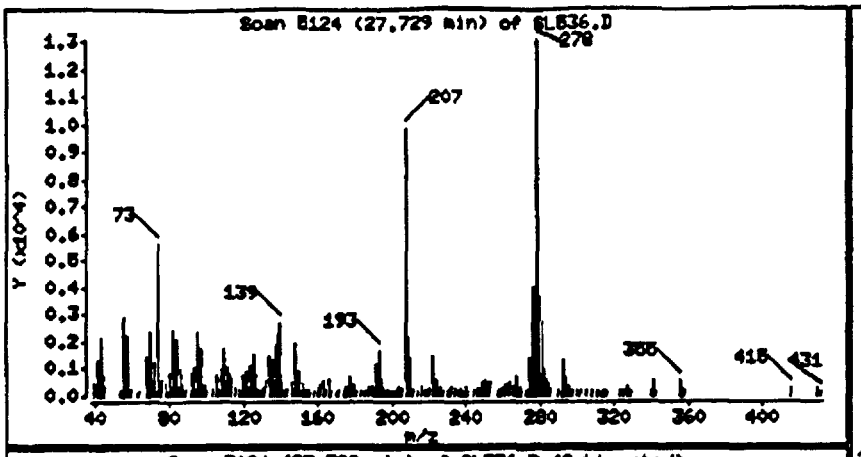


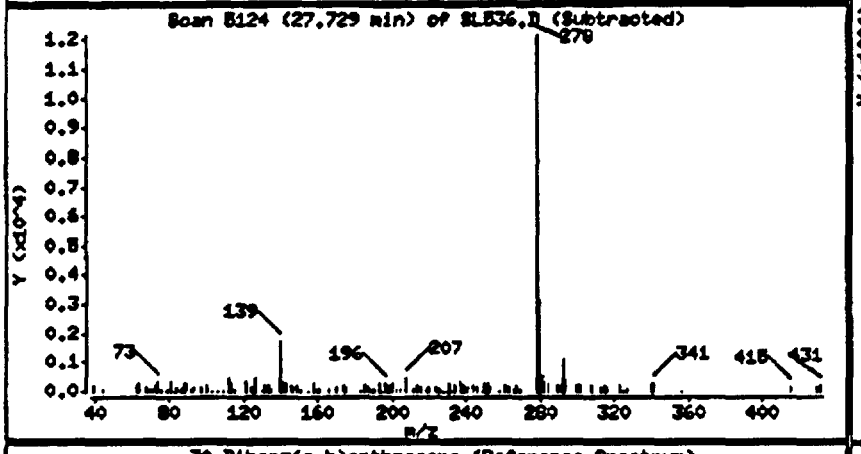


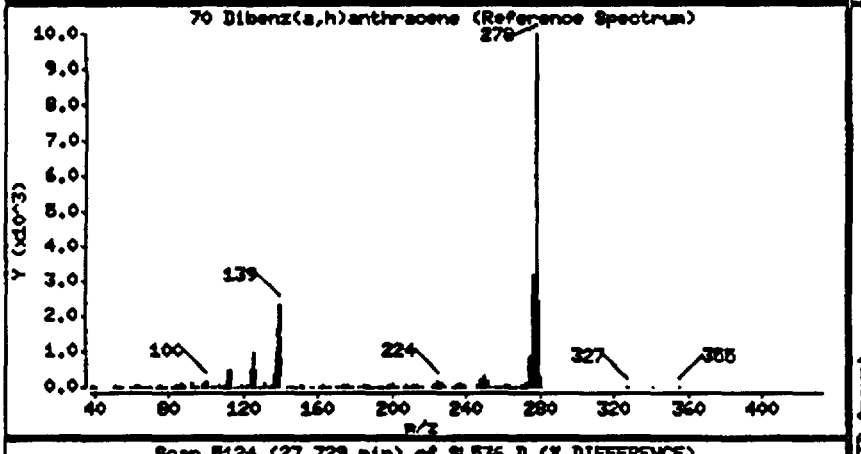


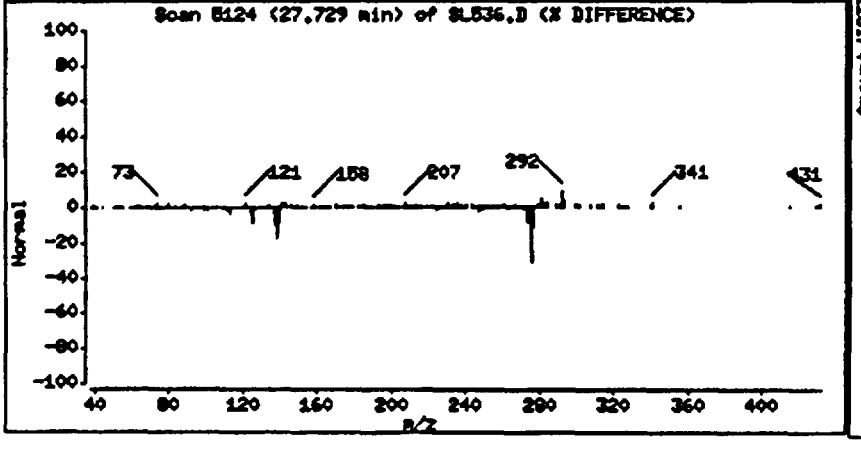


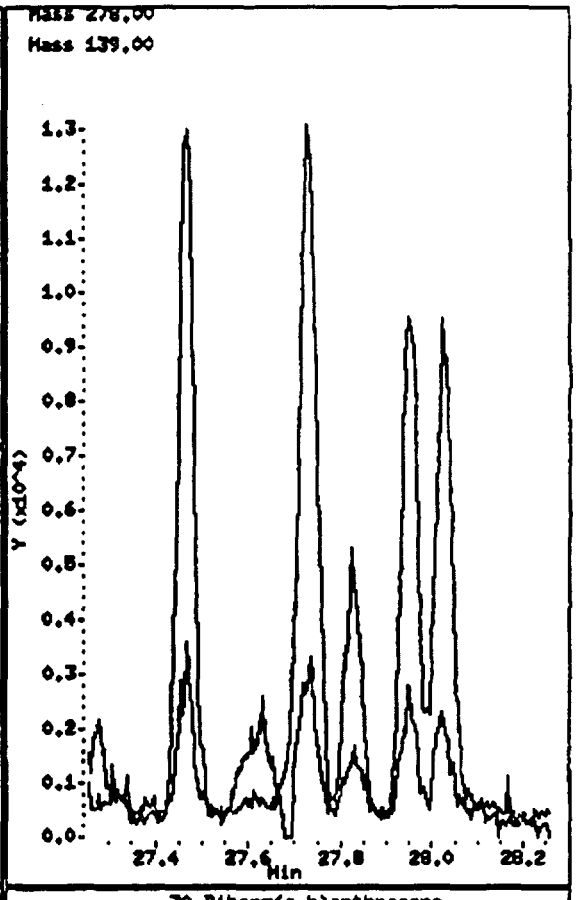
70 Dibenz(a,h)anthracene

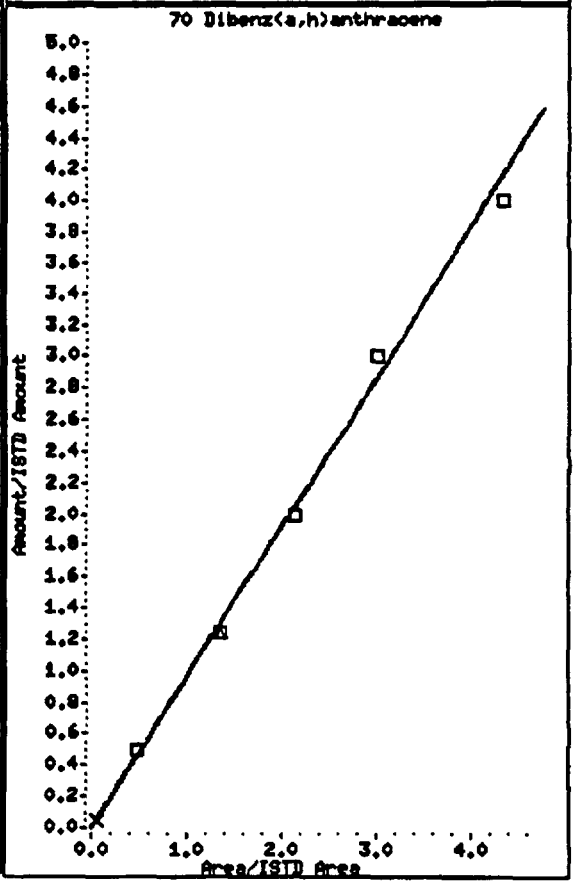












STL - North Canton

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: djrmq10u,00929a.b,olp31,1-olp90,sub

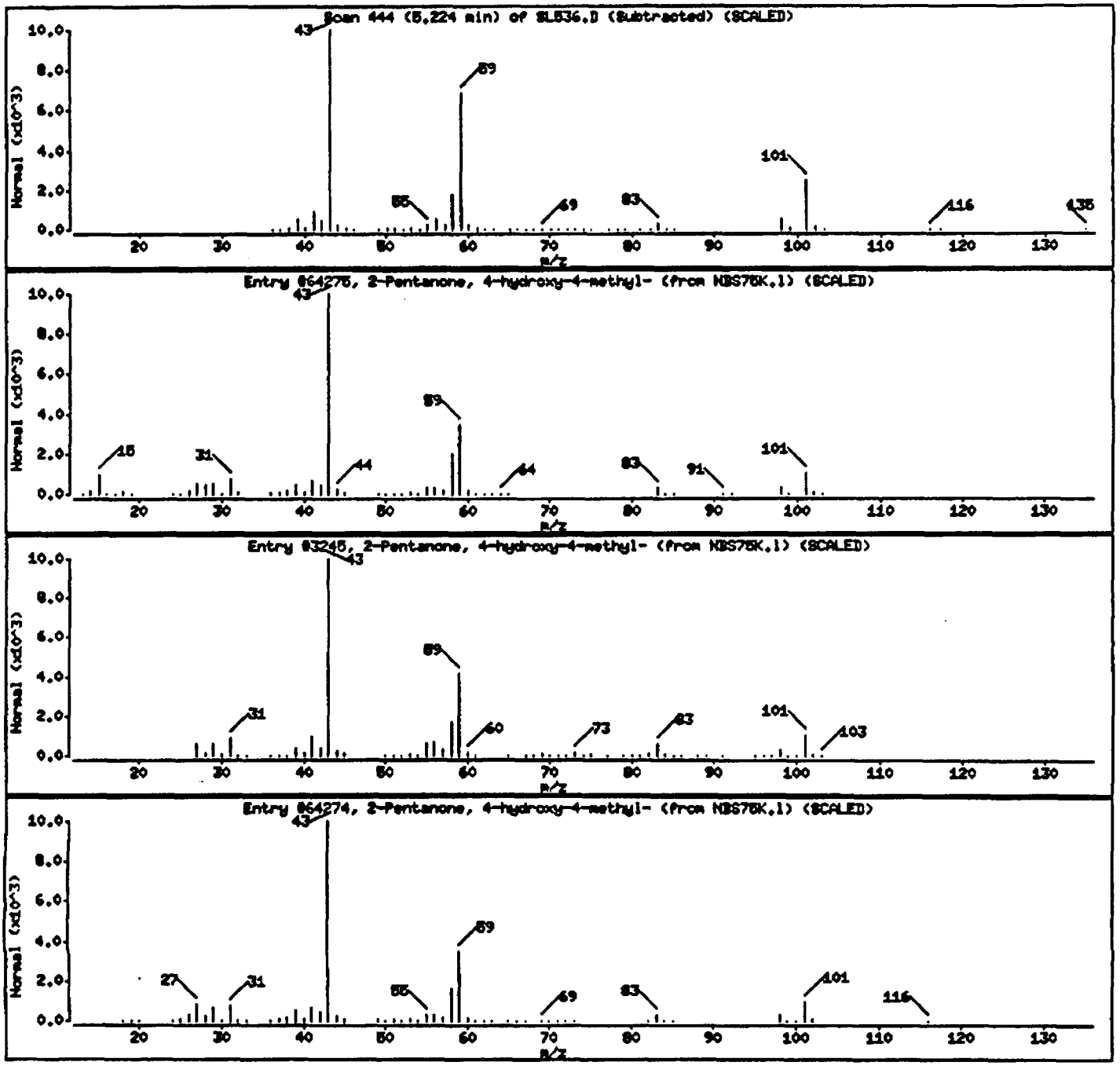
Volume Injected (uL): 2.0

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.1	64275	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	3245	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	64274	38	C6H12O2	116



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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

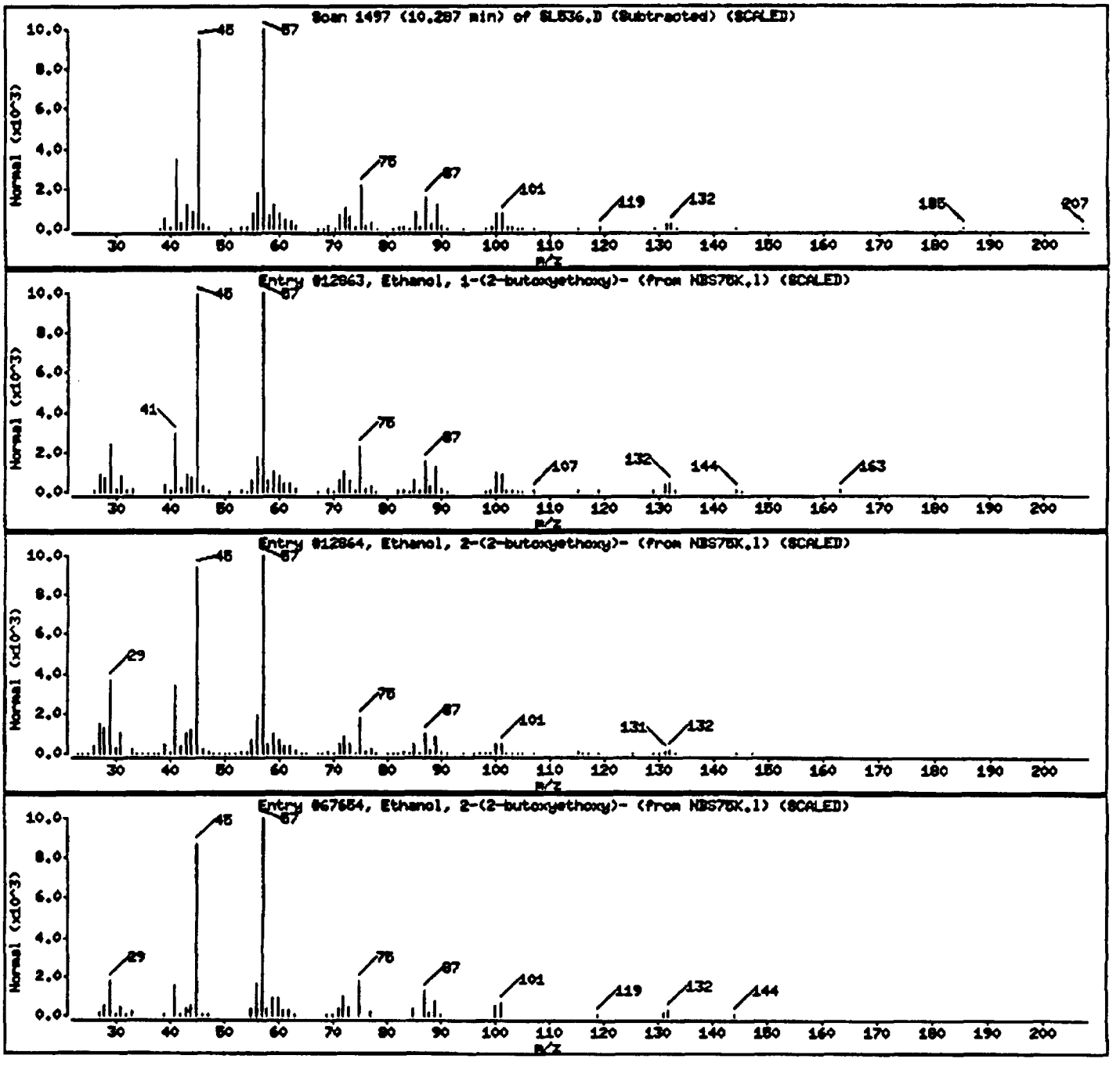
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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



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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

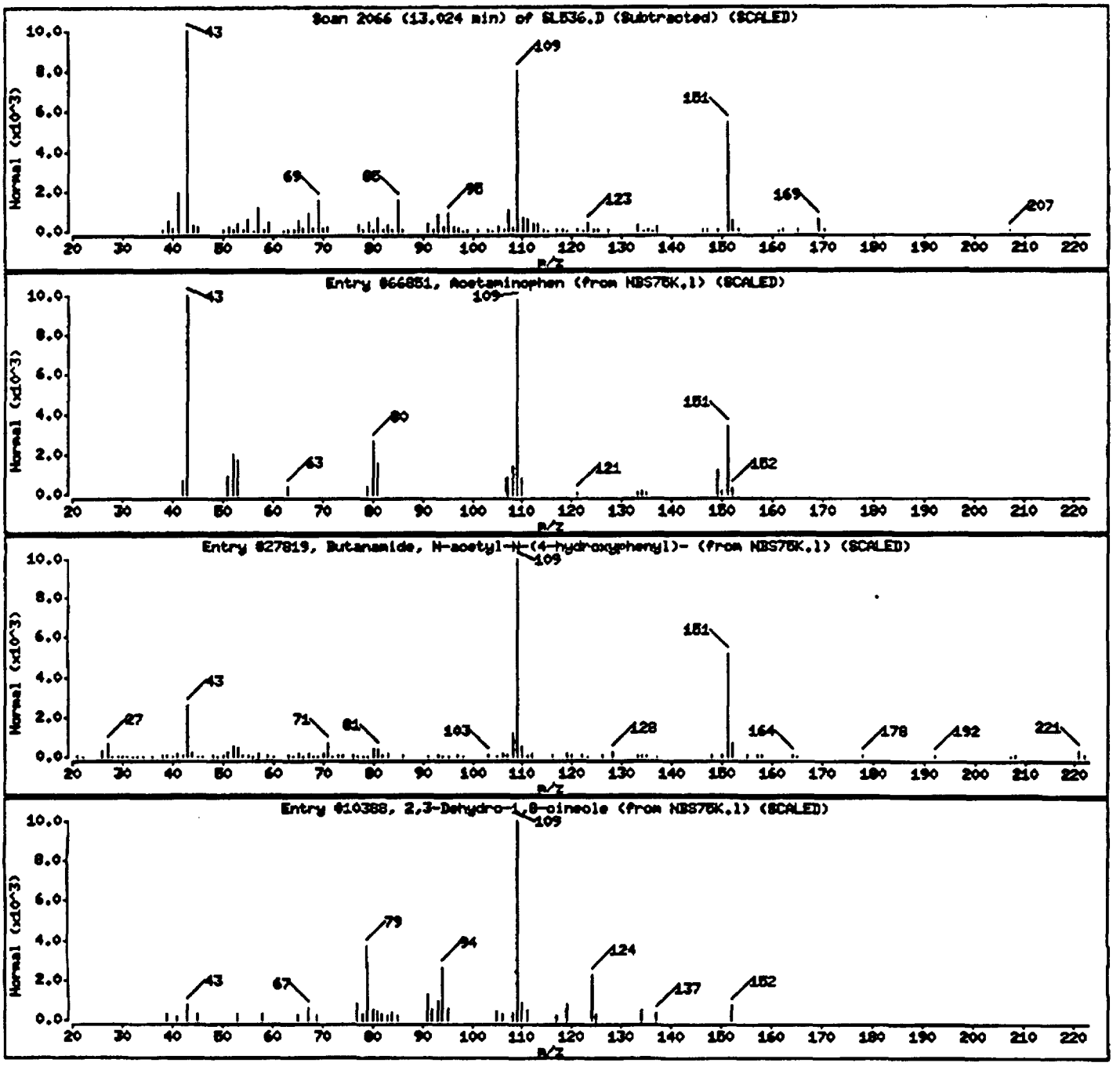
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetaminophen	103-90-2	NBS75K.1	66851	64	C8H9NO2	151
Butanamide, N-acetyl-N-(4-hydroxyphenyl)	0-00-0	NBS75K.1	27819	45	C12H15NO3	221
2,3-Dehydro-1,8-cineole	92760-25-3	NBS75K.1	10388	37	C10H16O	152



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Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrma10u,00929a.b,olp31,1-olp90.sub

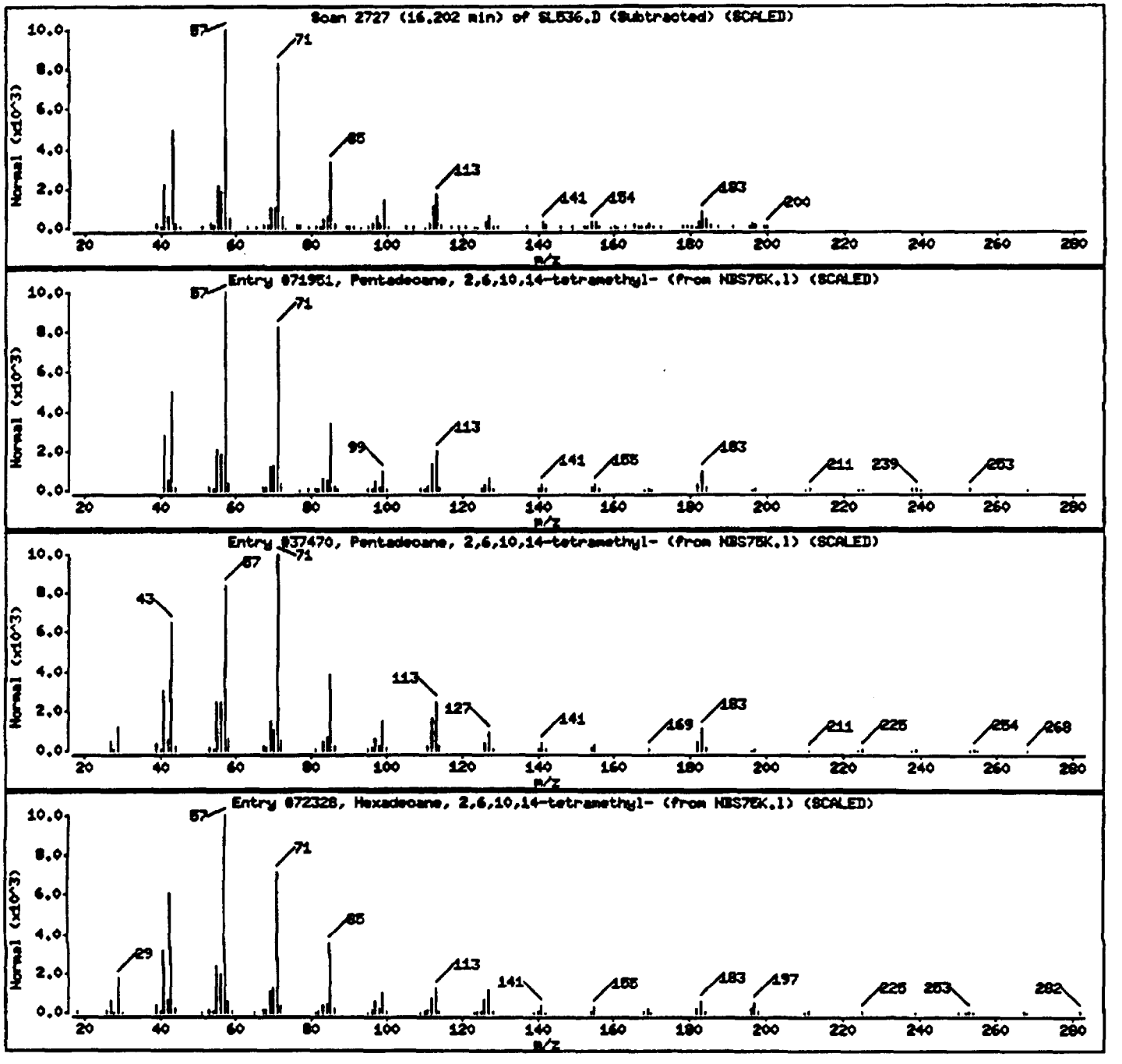
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71961	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

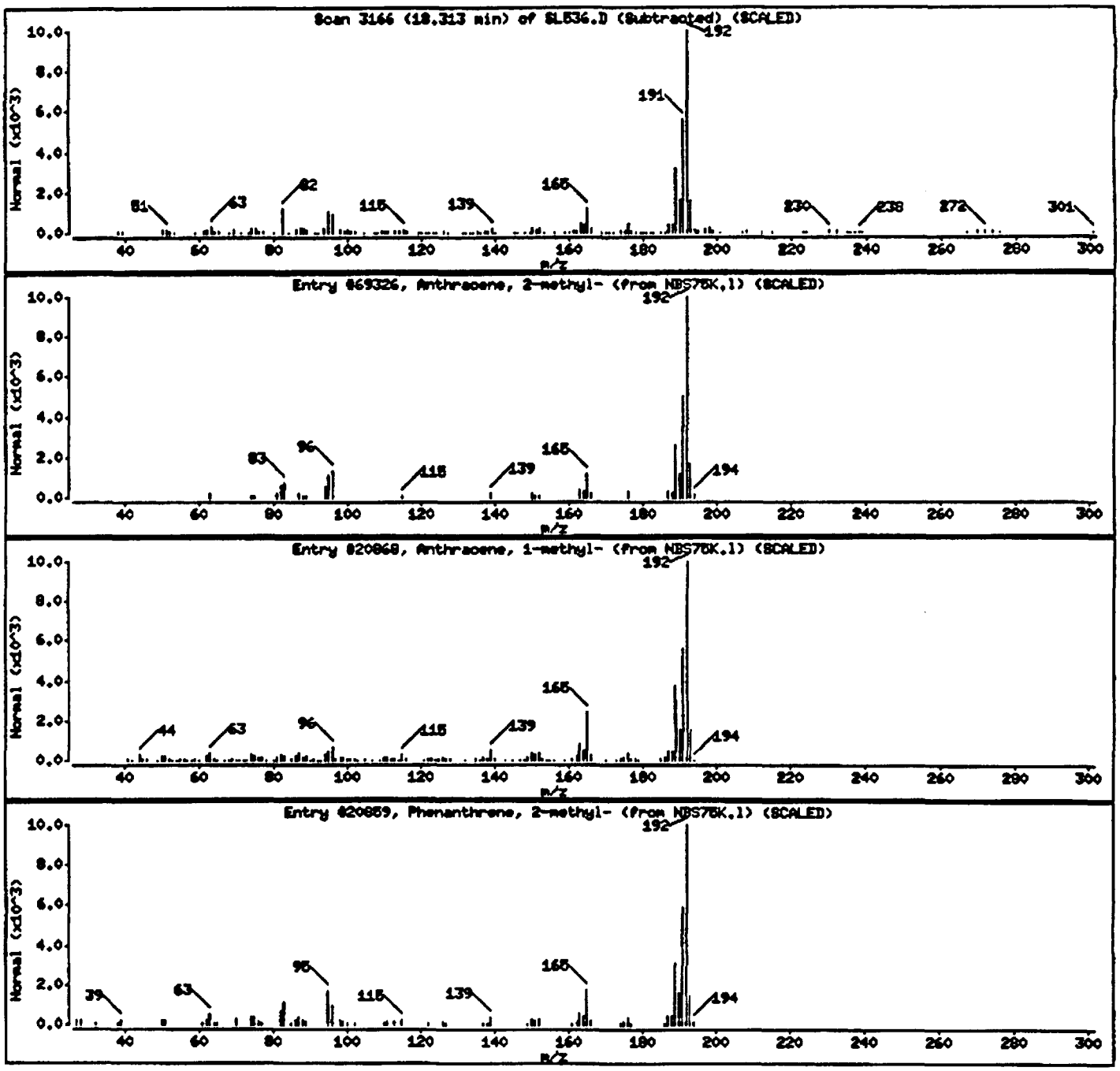
Volume Injected (uL): 2.0

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	96	C15H12	192
Anthracene, 1-methyl-	610-48-0	NBS75K.l	20868	96	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: djrn4i0u,00929a.b,olp31,1-olp90,sub

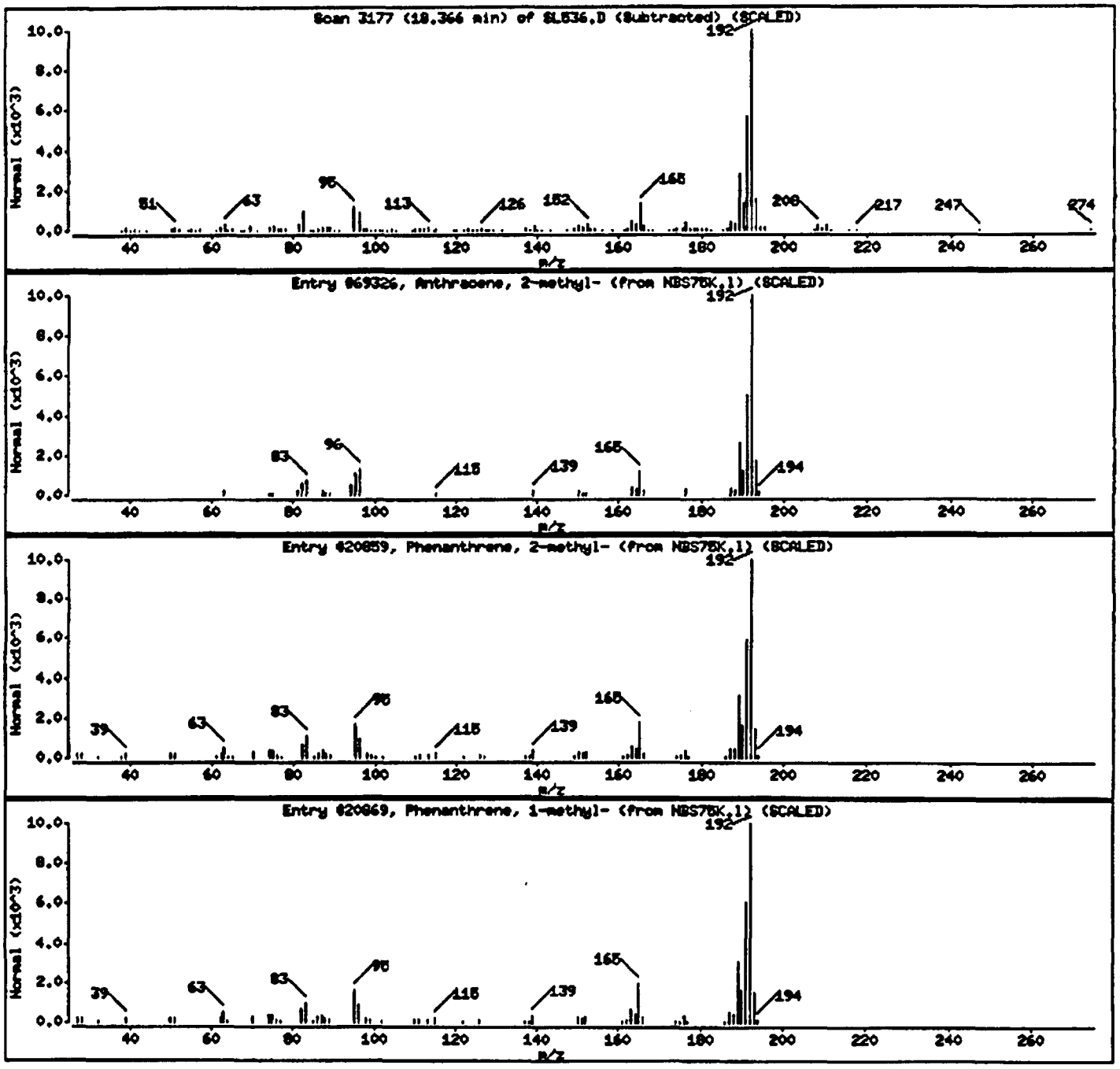
Volume Injected (uL): 2.0

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	96	C15H12	192
Phenanthrene, 2-methyl-	2531-84-2	NBS75K.l	20869	93	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NBS75K.l	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,olp31,1-olp90,sub

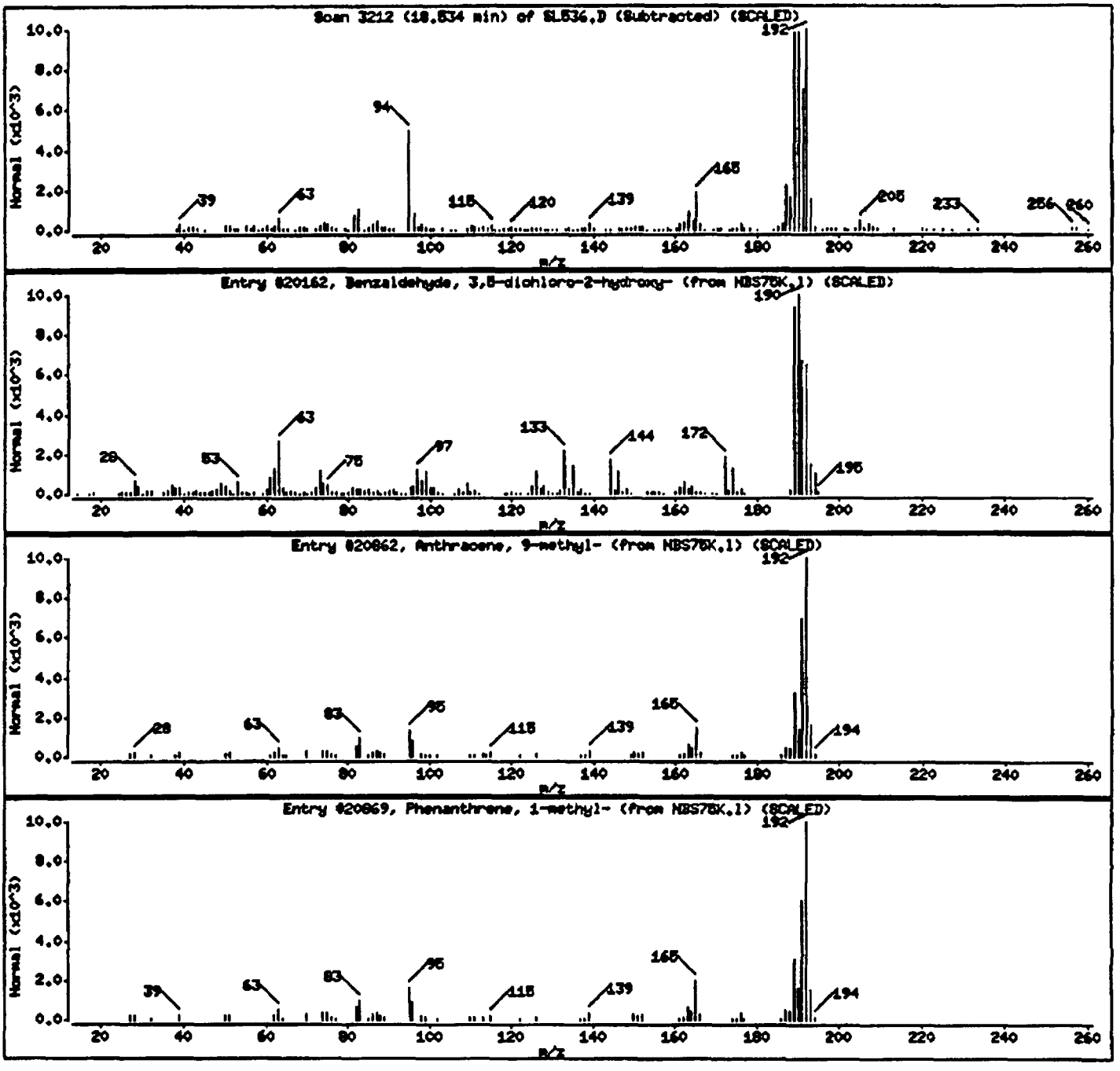
Volume Injected (uL): 2.0

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.1	20162	50	C7H4Cl2O2	190
Anthracene, 9-methyl-	779-02-2	NBS75K.1	20862	42	C15H12	192
Phenanthrene, 1-methyl-	832-69-9	NBS75K.1	20869	42	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

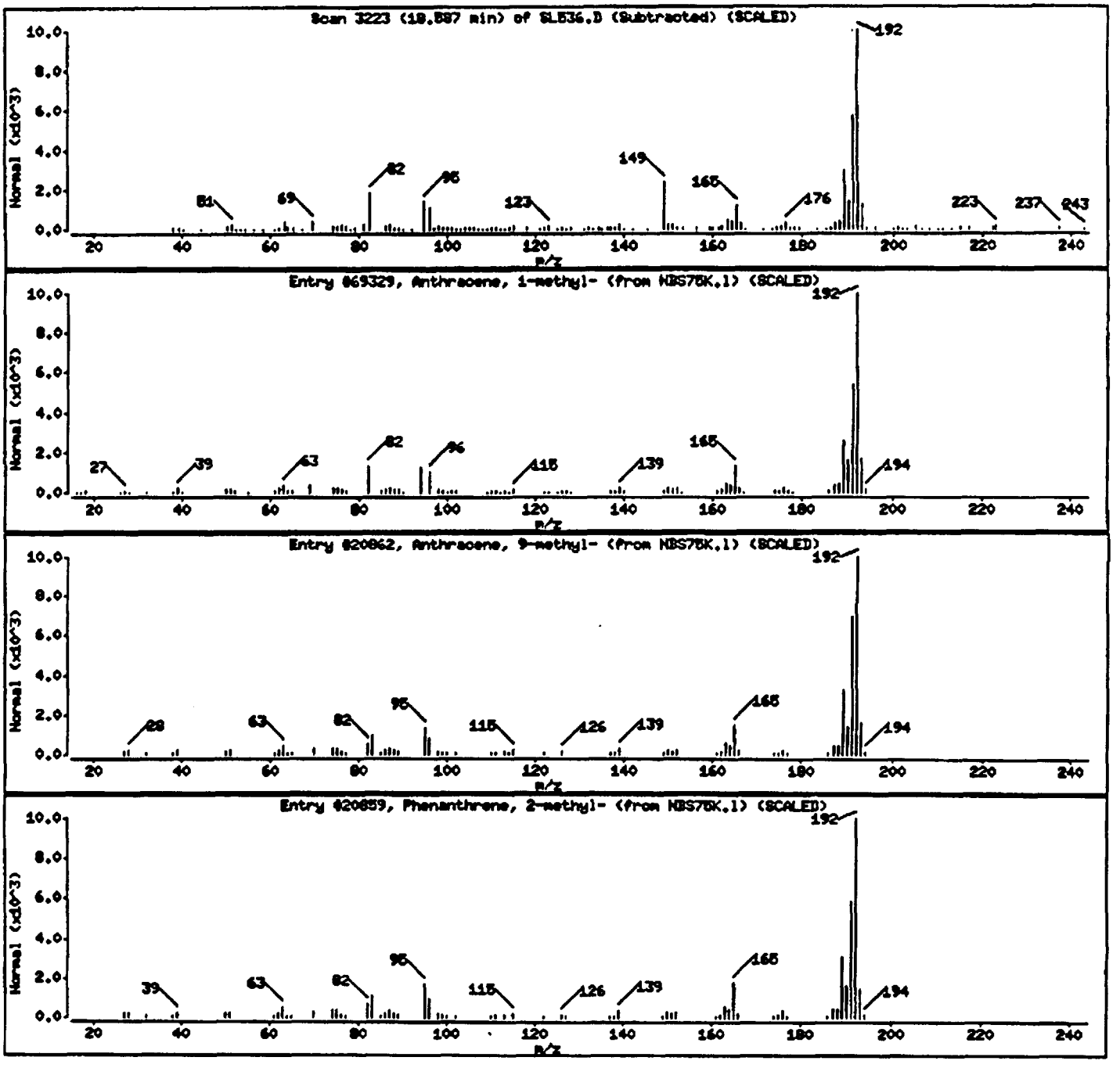
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown 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



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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

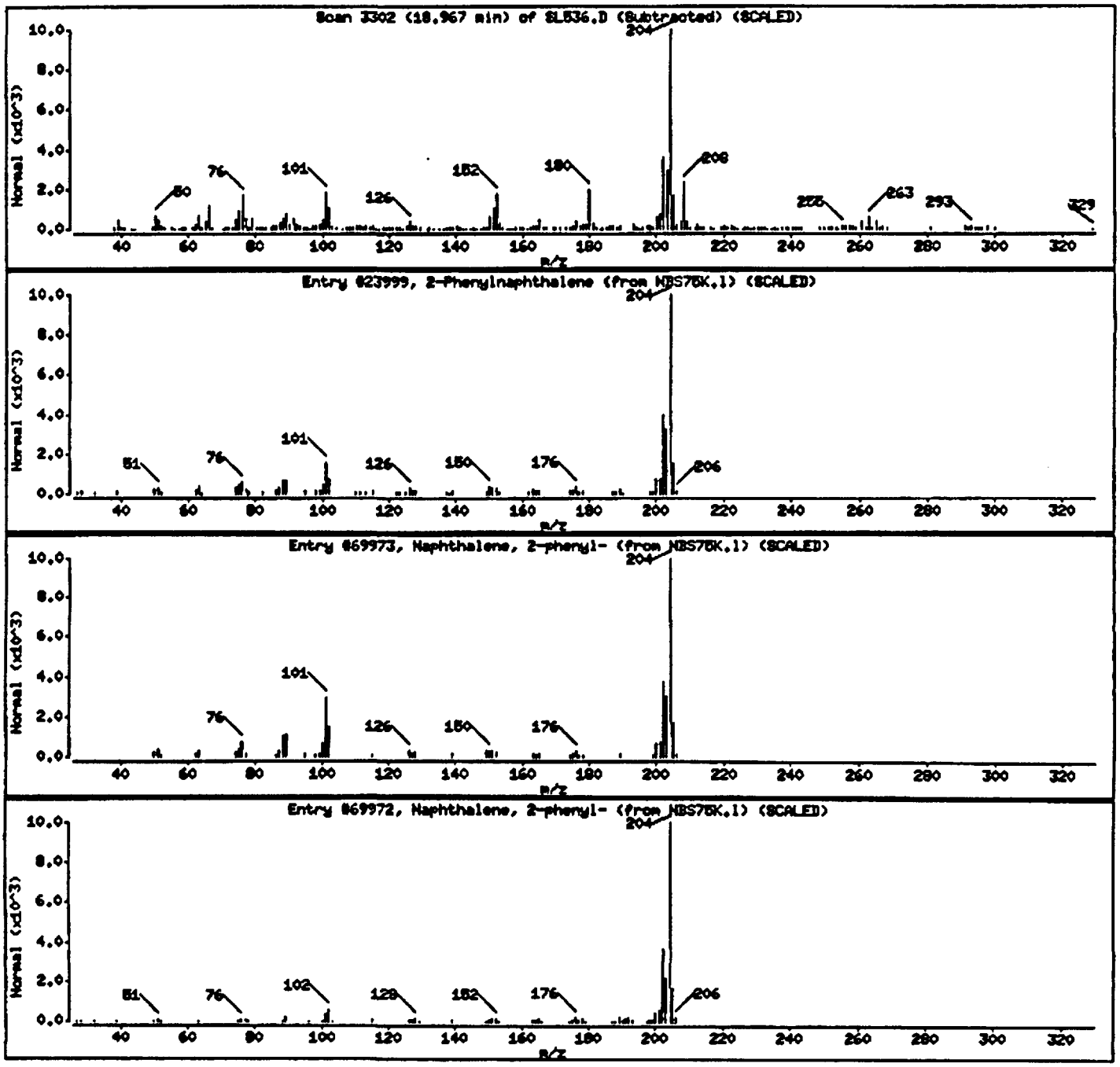
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
2-Phenylnaphthalene	35465-71-5	NBS75K.l	23999	95	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



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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

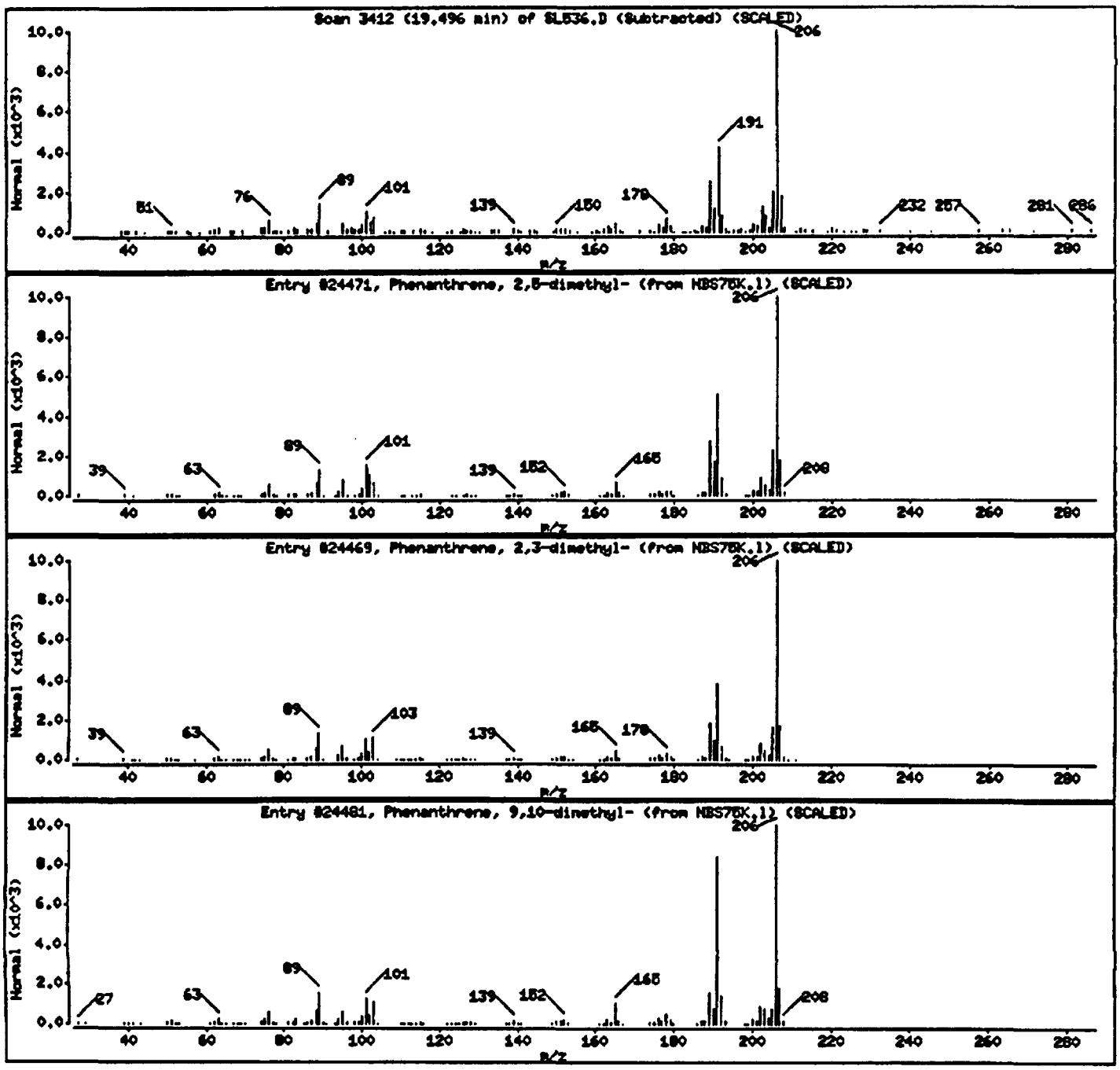
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Phenanthrene, 2,6-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



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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

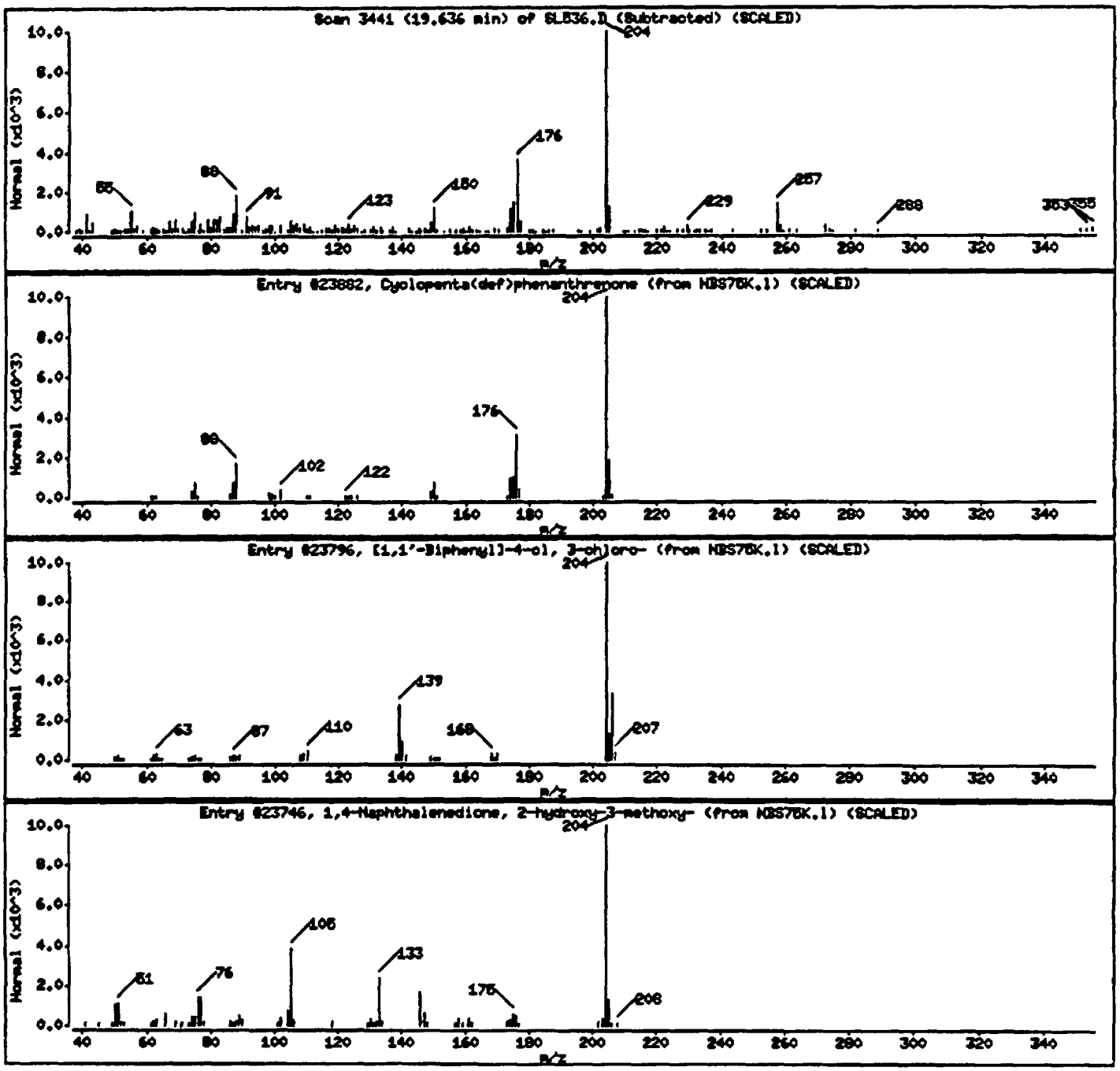
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclopenta(def)phenanthrenone	5737-13-3	NBS75K.l	23882	91	C15H8O	204
[1,1'-Biphenyl]-4-ol, 3-chloro-	92-04-6	NBS75K.l	23796	43	C12H9ClO	204
1,4-Naphthalenedione, 2-hydroxy-3-methox	5257-83-0	NBS75K.l	23746	43	C11H8O4	204



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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

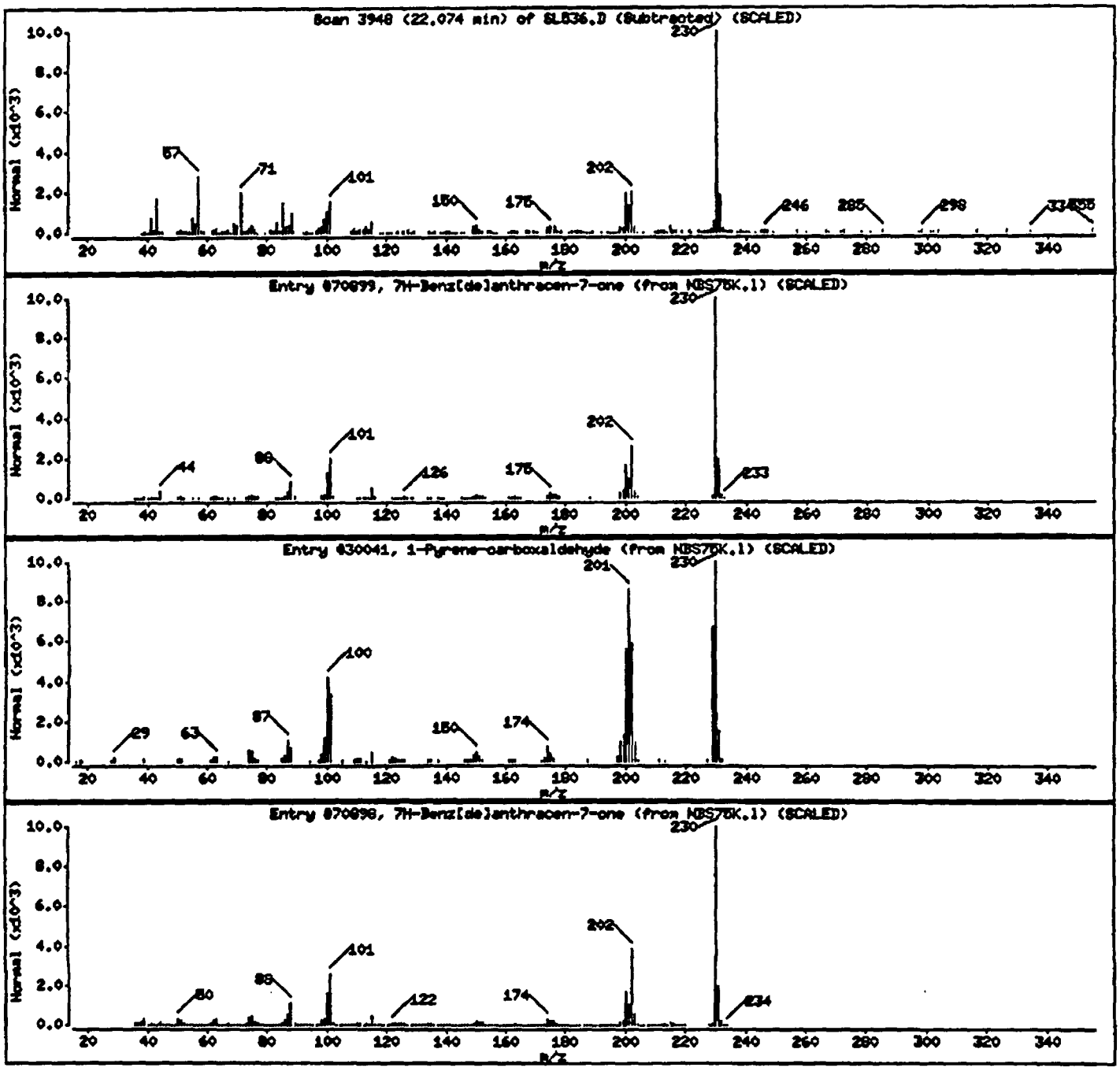
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
7H-Benz[de]anthracen-7-one	82-05-3	NBS75K.l	70899	76	C17H10O	230
1-Pyrene-carboxaldehyde	3029-19-4	NBS75K.l	30041	68	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NBS75K.l	70898	62	C17H10O	230



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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

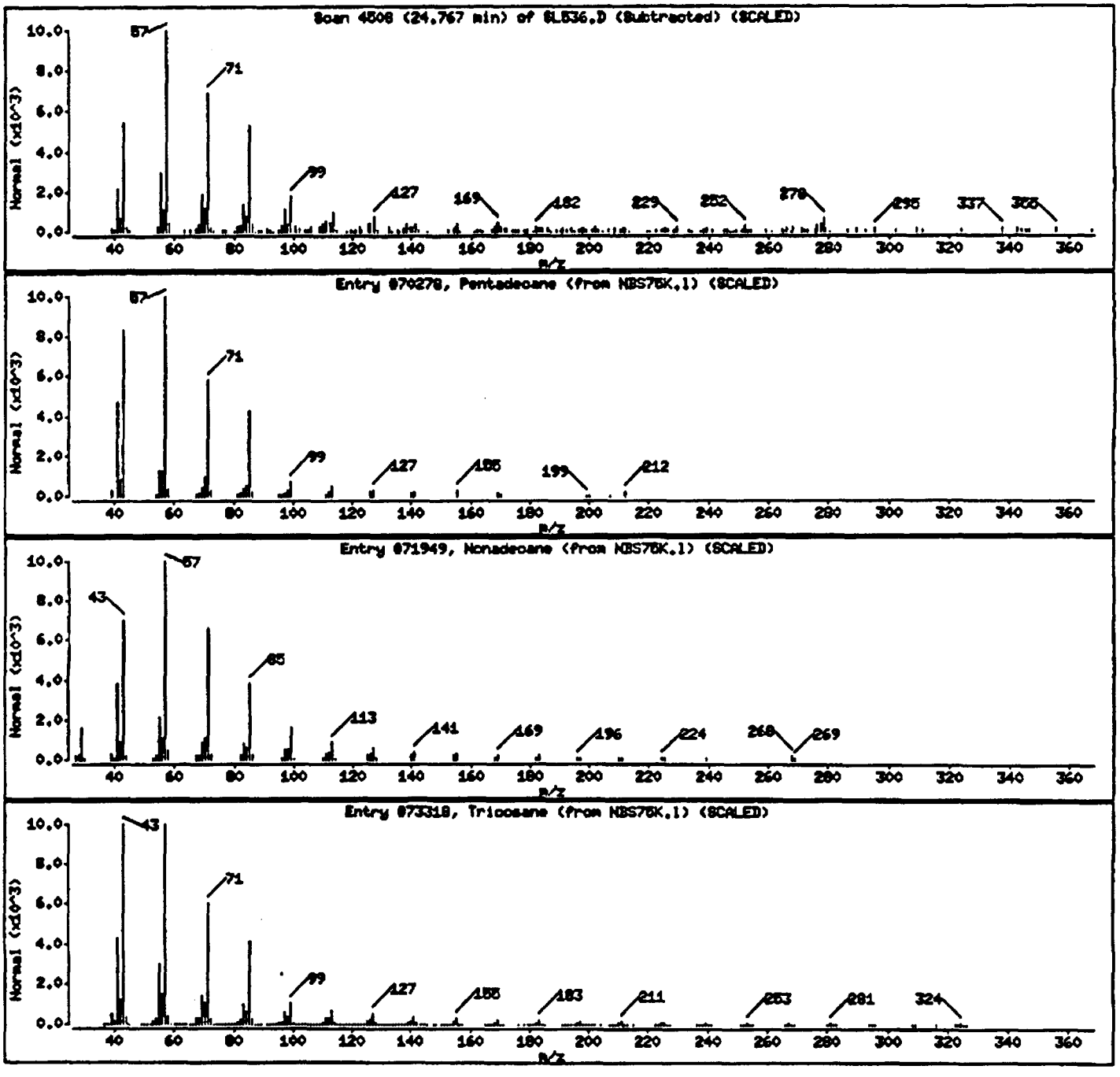
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane	629-62-9	NBS75K.l	70278	94	C15H32	212
Nonadecane	629-92-5	NBS75K.l	71949	93	C19H40	268
Tricosane	638-67-5	NBS75K.l	73318	93	C23H48	324



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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

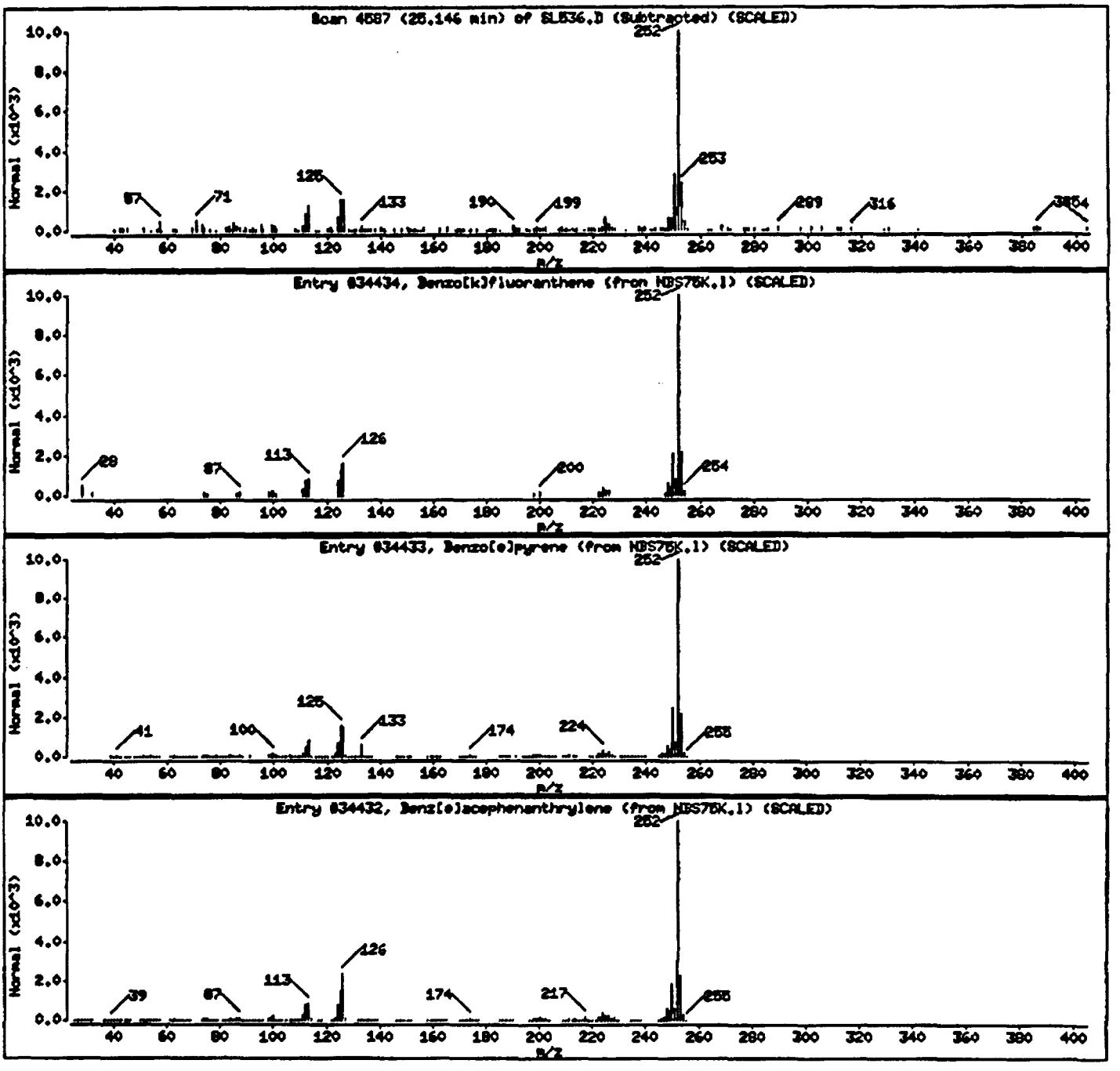
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Benzo[k]fluoranthene	207-08-9	NBS75K.l	34434	96	C20H12	252
Benzo[e]pyrene	192-97-2	NBS75K.l	34433	91	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NBS75K.l	34432	90	C20H12	252



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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

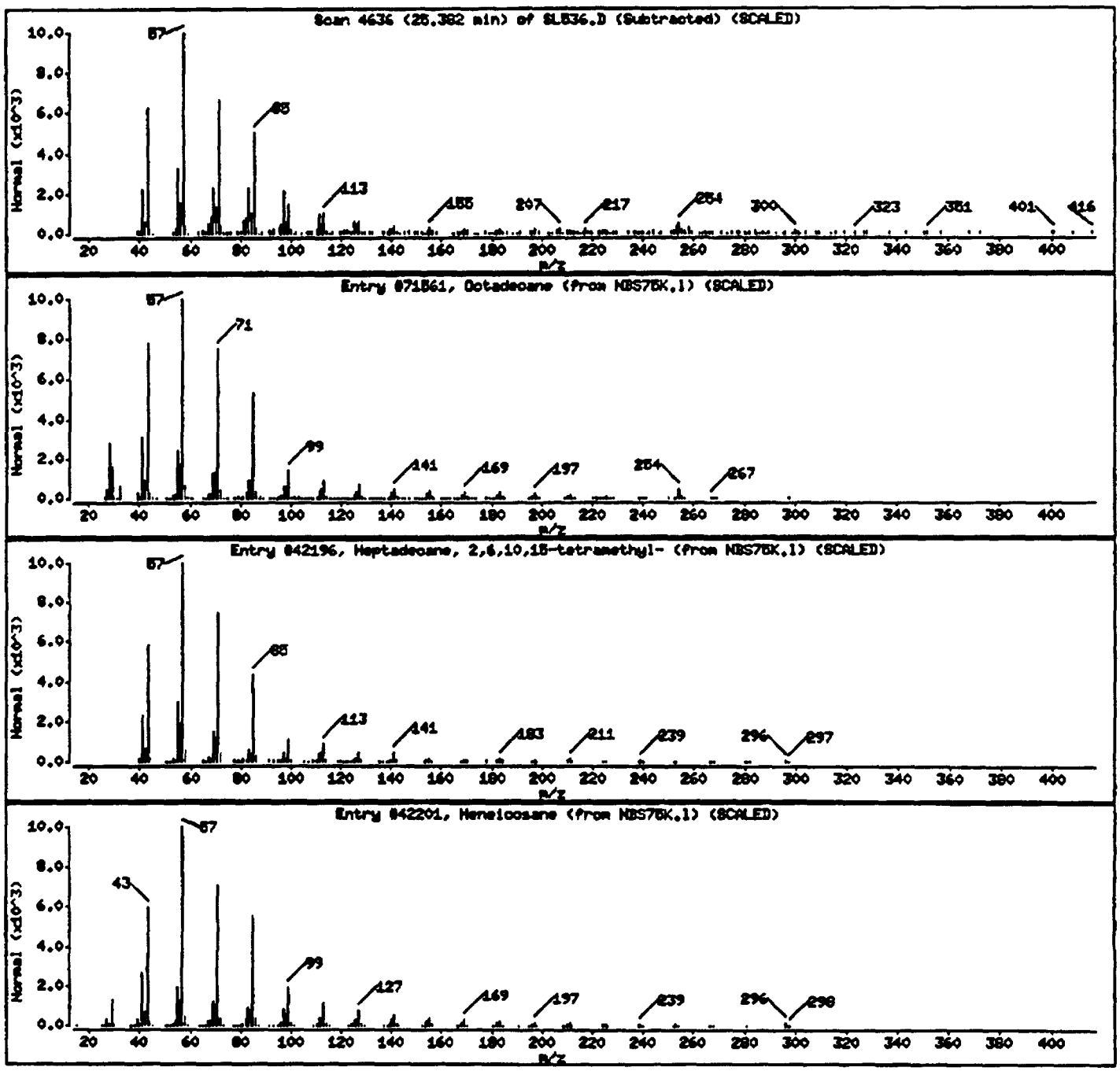
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71561	98	C18H38	254
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NBS75K.l	42196	96	C21H44	296
Heneicosane	629-94-7	NBS75K.l	42201	95	C21H44	296



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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

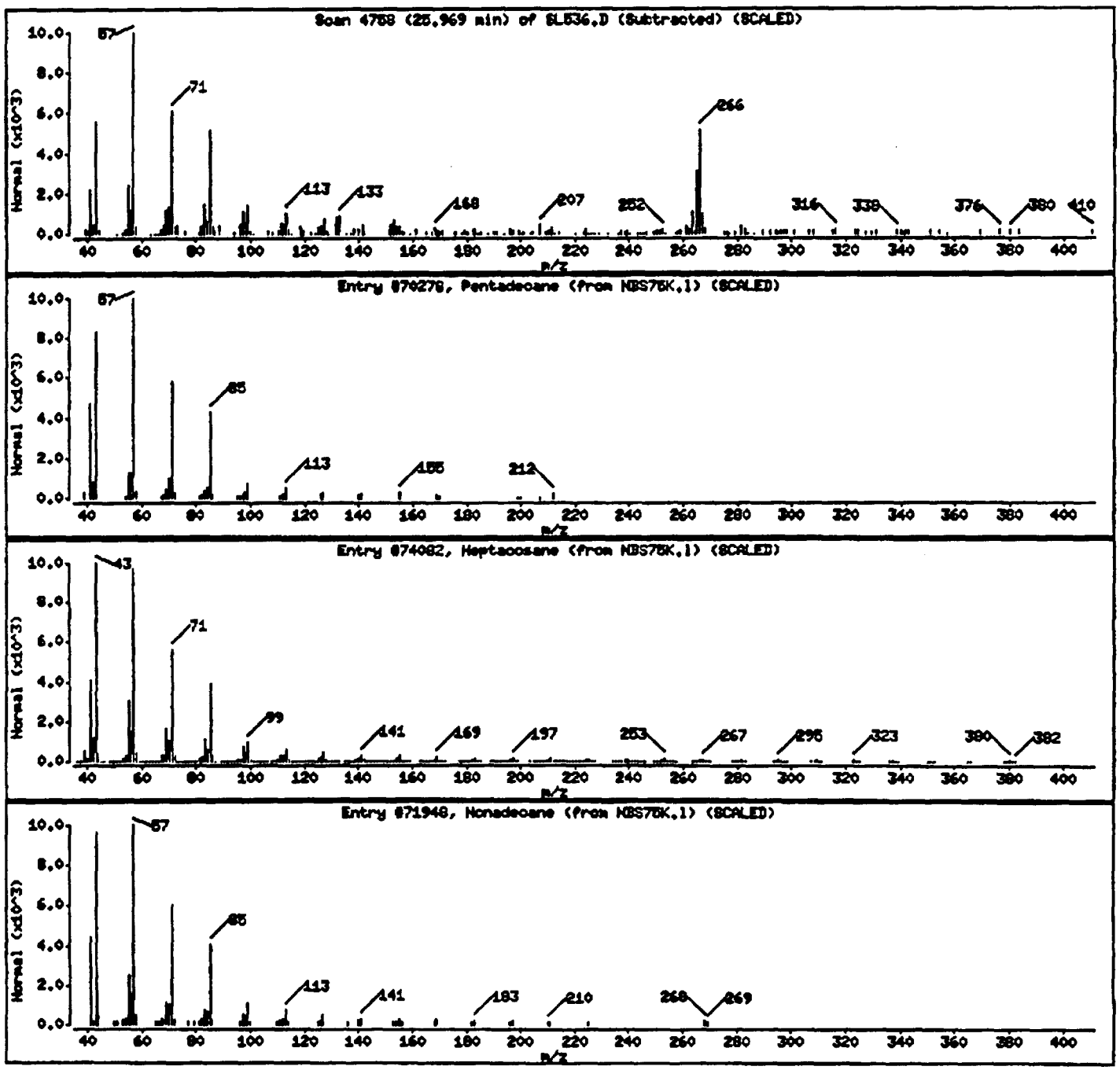
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Pentadecane	629-62-9	NBS75K.l	70278	87	C15H32	212
Heptacosane	593-49-7	NBS75K.l	74082	86	C27H56	380
Nonadecane	629-92-5	NBS75K.l	71948	84	C19H40	268



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,olp31,1-olp90.sub

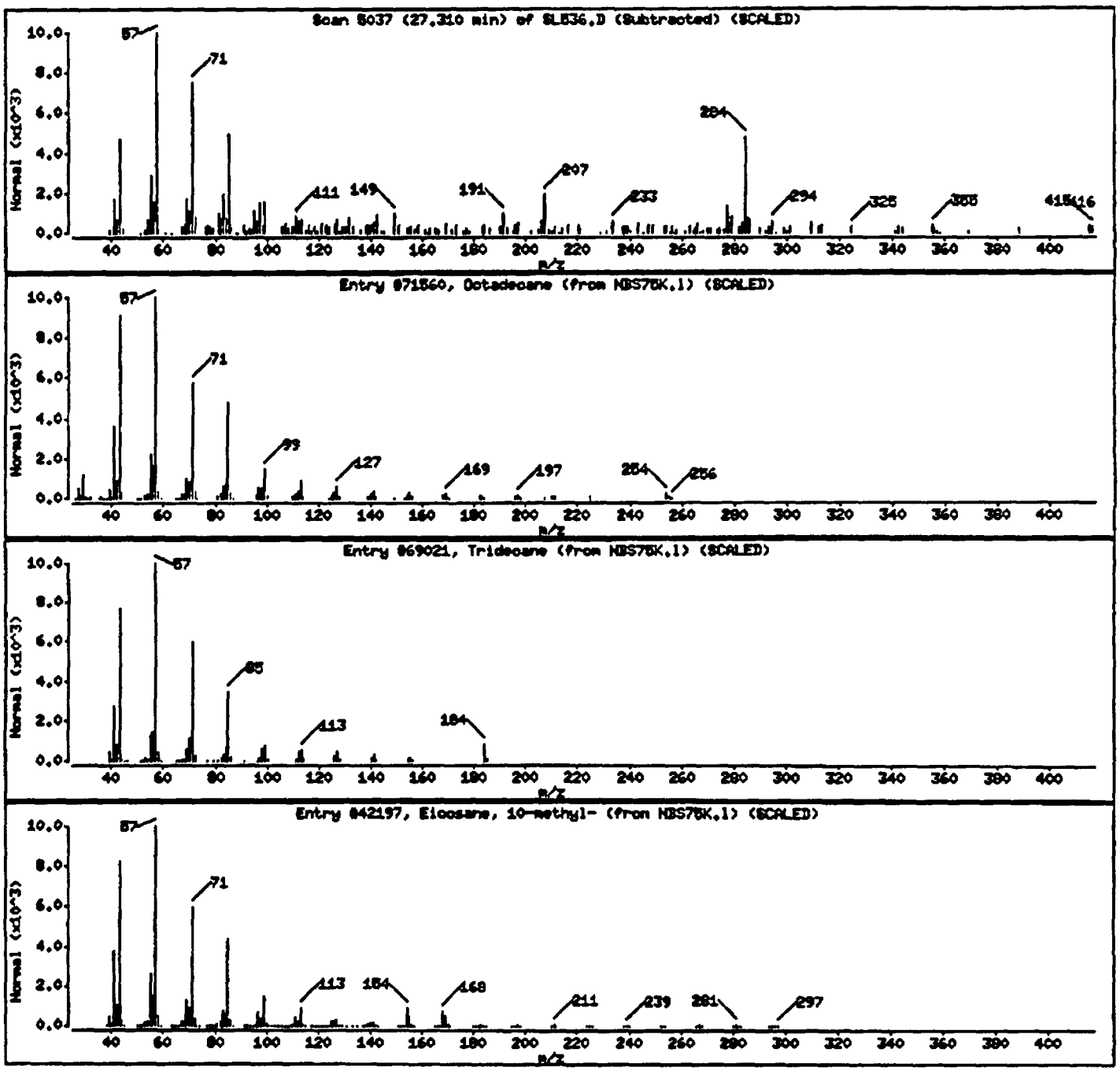
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.1	71560	70	C18H38	254
Tridecane	629-50-5	NBS75K.1	69021	70	C13H28	184
Eicosane, 10-methyl-	54833-23-7	NBS75K.1	42197	70	C21H44	296



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Date : 30-SEP-2000 00:54

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq10u,00929a.b,clp31,i-clp90.sub

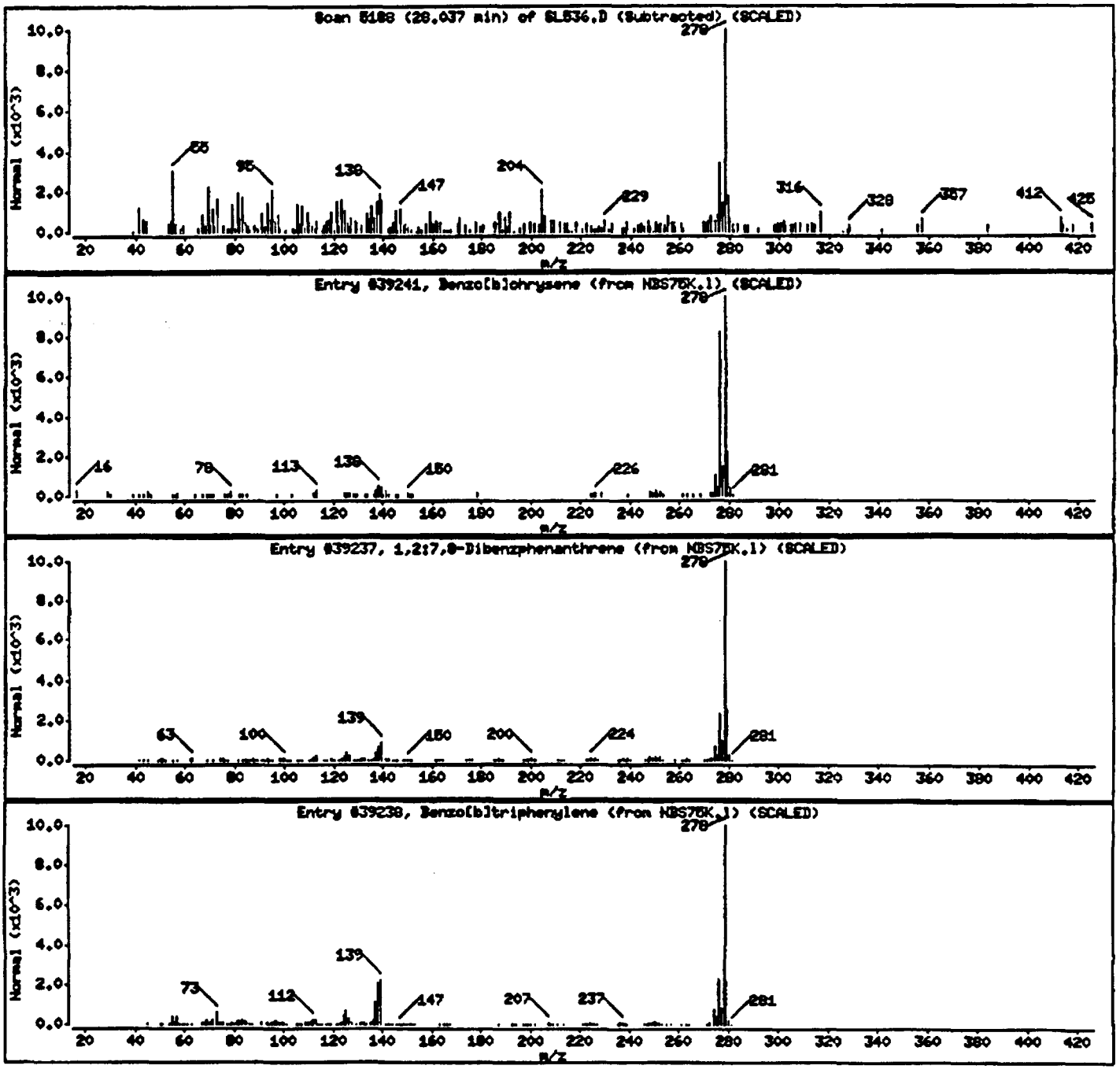
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Benzo[b]chrysene	214-17-5	NBS75K.1	39241	55	C22H14	278
1,2:7,8-Dibenzphenanthrene	0-00-0	NBS75K.1	39237	46	C22H14	278
Benzo[b]triphenylene	215-58-7	NBS75K.1	39238	45	C22H14	278



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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

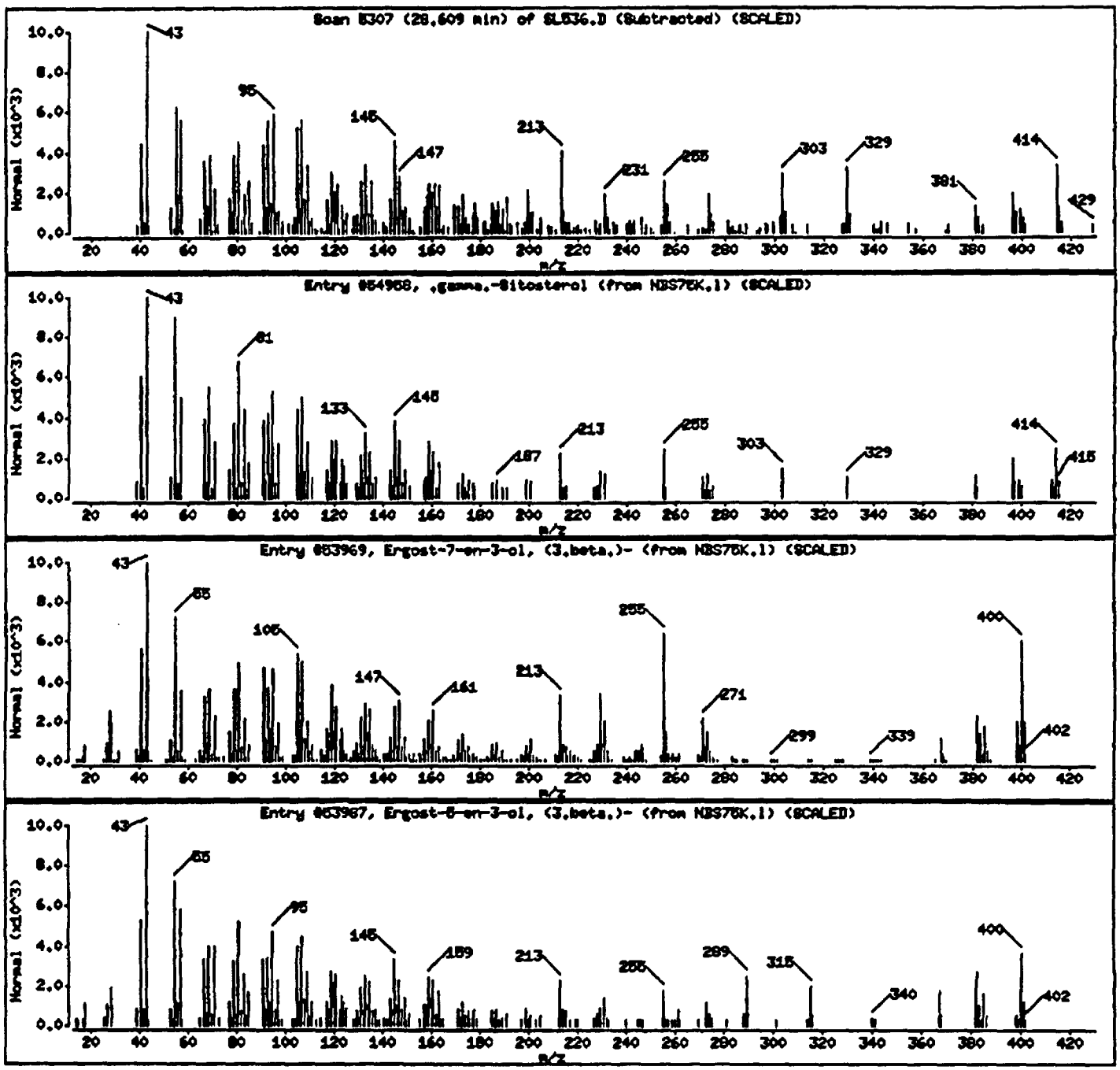
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.l	54968	94	C29H500	414
Ergost-7-en-3-ol, (3.beta.)-	26047-31-4	NBS75K.l	53969	49	C28H480	400
Ergost-5-en-3-ol, (3.beta.)-	4651-81-8	NBS75K.l	53987	46	C28H480	400



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: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

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: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

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	220	J
120-12-7	Anthracene	480	U
86-74-8	Carbazole	480	U
84-74-2	Di-n-butyl phthalate	480	U
206-44-0	Fluoranthene	710	
129-00-0	Pyrene	350	J
85-68-7	Butyl benzyl phthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	410	J
218-01-9	Chrysene	420	J

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: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	70	J
117-84-0	Di-n-octyl phthalate	480	U
205-99-2	Benzo(b)fluoranthene	440	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	54	J
193-39-5	Indeno(1,2,3-cd)pyrene	49	J
53-70-3	Dibenz(a,h)anthracene	480	U
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)

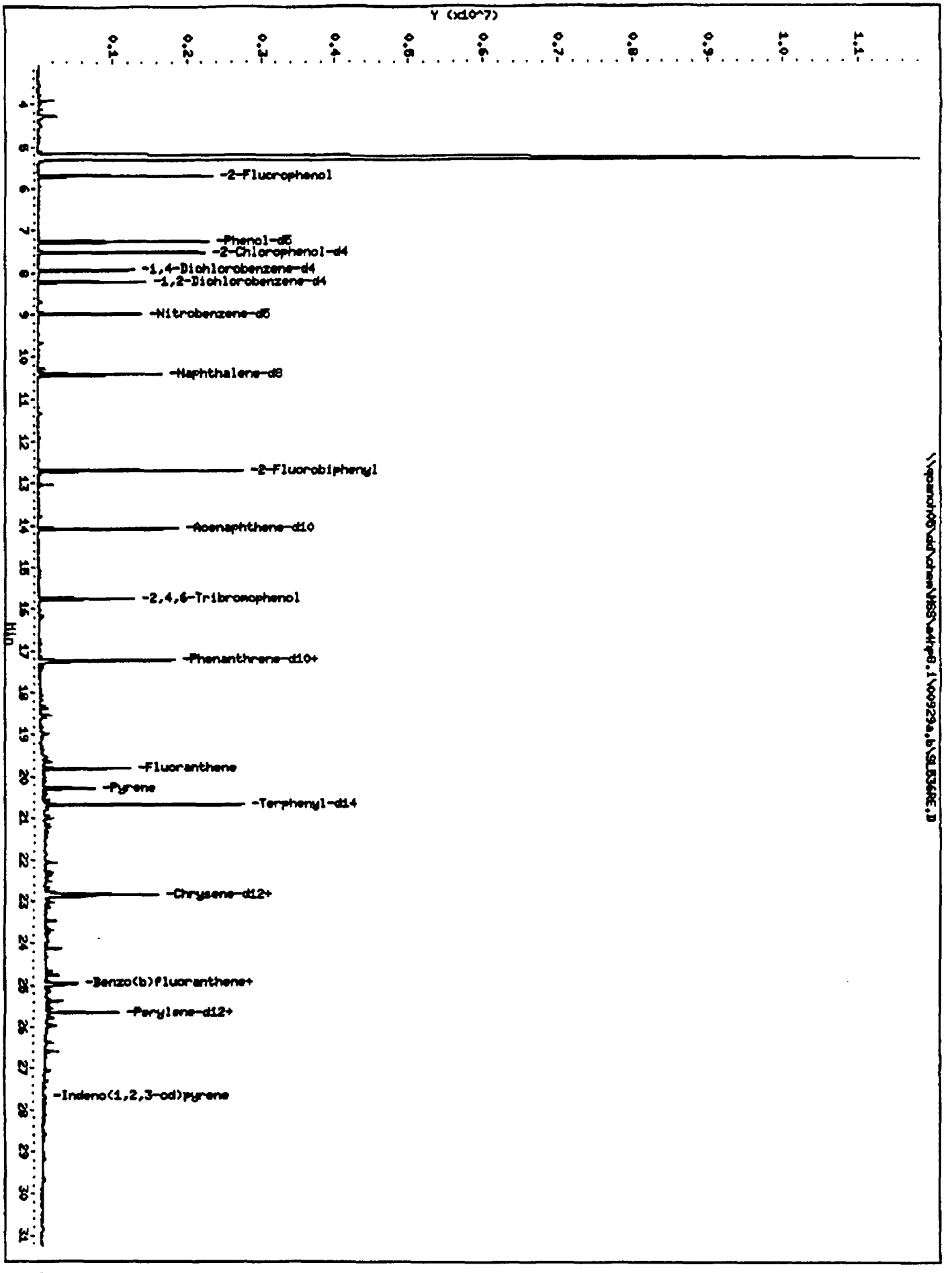
Sample WT/Vol: 30.18 / g Date Received: 09/01/00
Work Order: DJRNQ20U Date Extracted:09/27/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:31

QC Batch: 0271338

Client Sample Id: SL53-6" -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.3159	32000	JA
	Unknown	13.024	100	J
	Unknown PAH	18.963	100	J
	Unknown	19.525	130	J
	Unknown	19.641	130	J
	Unknown Hydrocarbon	24.128	100	J
	Unknown	24.671	120	J
	Unknown Hydrocarbon	24.762	170	J
	Unknown PAH	25.147	110	J
	Unknown Hydrocarbon	25.378	260	J
	Unknown	25.777	170	J
	Unknown Hydrocarbon	25.969	250	J
	Unknown Hydrocarbon	26.388	130	J
	Unknown Hydrocarbon	26.599	190	J
	Unknown Hydrocarbon	27.061	130	J
	Unknown	28.609	96	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-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10+
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Chrysene-d12+
-Benzo(b)fluoranthene+
-Perylene-d12+
-Indeno(1,2,3-cd)pyrene
H10

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D
Lab Smp Id: DJRNQ20U Client Smp ID: SL53-6"
Inj Date : 30-SEP-2000 05:29
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnq20u,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: 20
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	30.180	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)	292827	40.0000	
* 2 Naphthalene-d8	136	10.413	10.426	(1.000)	1182211	40.0000	
* 3 Acenaphthene-d10	164	14.082	14.095	(1.000)	708142	40.0000	
* 4 Phenanthrene-d10	188	17.227	17.240	(1.000)	1144168	40.0000	
* 5 Chrysene-d12	240	22.853	22.866	(1.000)	812069	40.0000	
* 6 Perylene-d12	264	25.662	25.665	(1.000)	596049	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.					

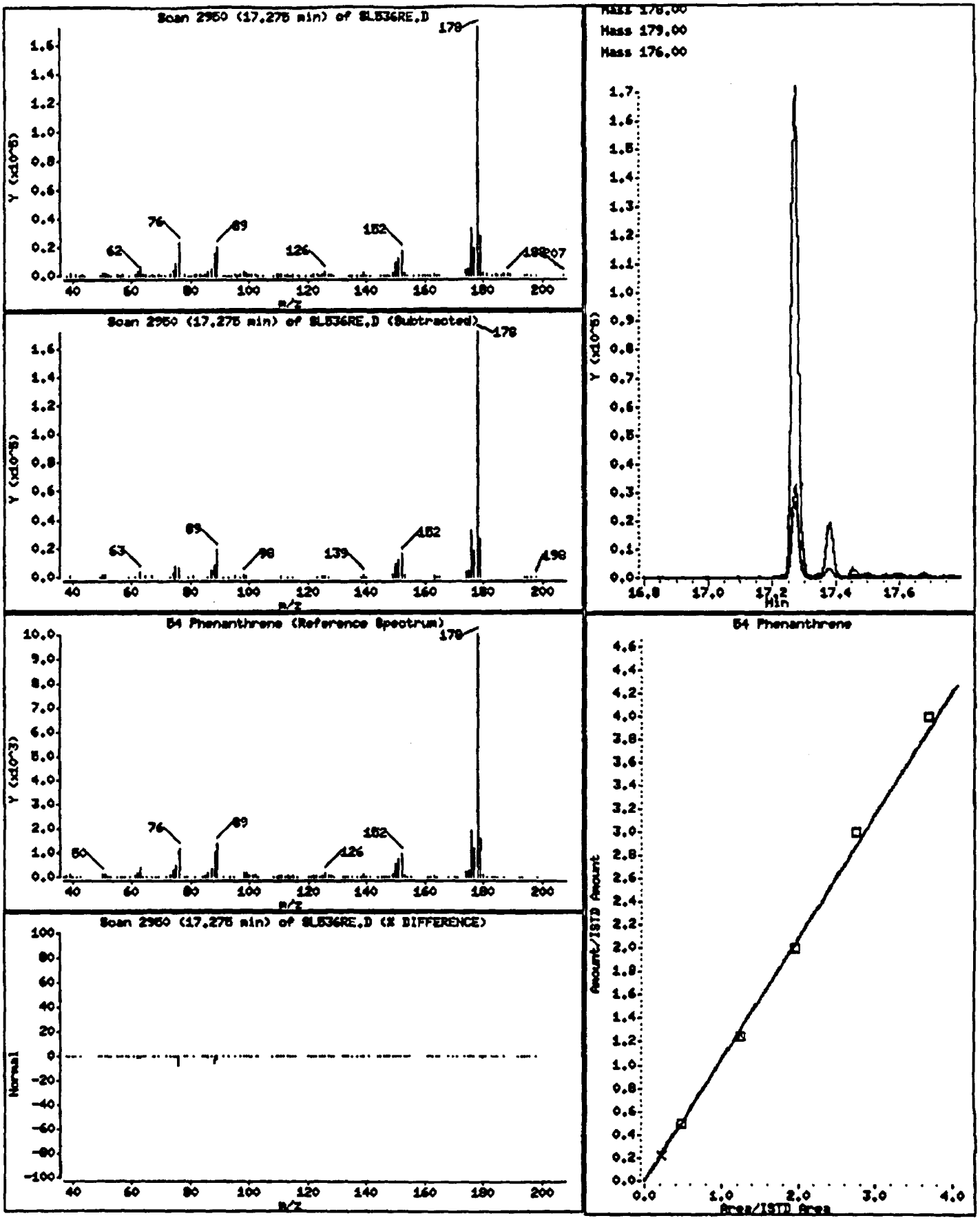
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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)	257406	9.02234	150(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	(1.150)	812394	29.5817	490
59 Pyrene	202	20.271	20.289	(0.887)	412378	14.4085	240(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)	375741	17.0797	280(aH)
63 Chrysene	228	22.906	22.919	(1.002)	374823	17.7111	290(a)
64 bis(2-ethylhexyl)Phthalate	149	23.031	23.039	(1.008)	44913	2.90270	48(a)
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.964	24.977	(0.973)	379664	18.0692	300(a)
67 Benzo(k)fluoranthene	252	25.012	25.030	(0.975)	154893	7.39892	120(aH)
68 Benzo(a)pyrene	252	25.556	25.564	(0.996)	41648	2.24116	37(a)
69 Indeno(1,2,3-cd)pyrene	276	27.681	27.704	(1.079)	34111	2.05229	34(a)
70 Dibenz(a,h)anthracene	278	Compound Not Detected.					
71 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 72 Nitrobenzene-d5	82	8.989	8.998	(0.863)	759587	62.9818	1000
$ 73 2-Fluorobiphenyl	172	12.687	12.696	(0.901)	1372205	71.4166	1200
$ 74 Terphenyl-d14	244	20.680	20.683	(0.905)	1674293	84.9113	1400
$ 75 Phenol-d5	99	7.263	7.262	(0.915)	1350375	103.248	1700
$ 76 2-Fluorophenol	112	5.700	5.670	(0.718)	896130	92.3829	1500
$ 77 2,4,6-Tribromophenol	330	15.751	15.764	(0.914)	242579	92.9571	1500(Q)
$ 78 2-Chlorophenol-d4	132	7.518	7.517	(0.947)	900427	105.049	1700(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.220	8.223	(1.036)	328963	56.3719	930

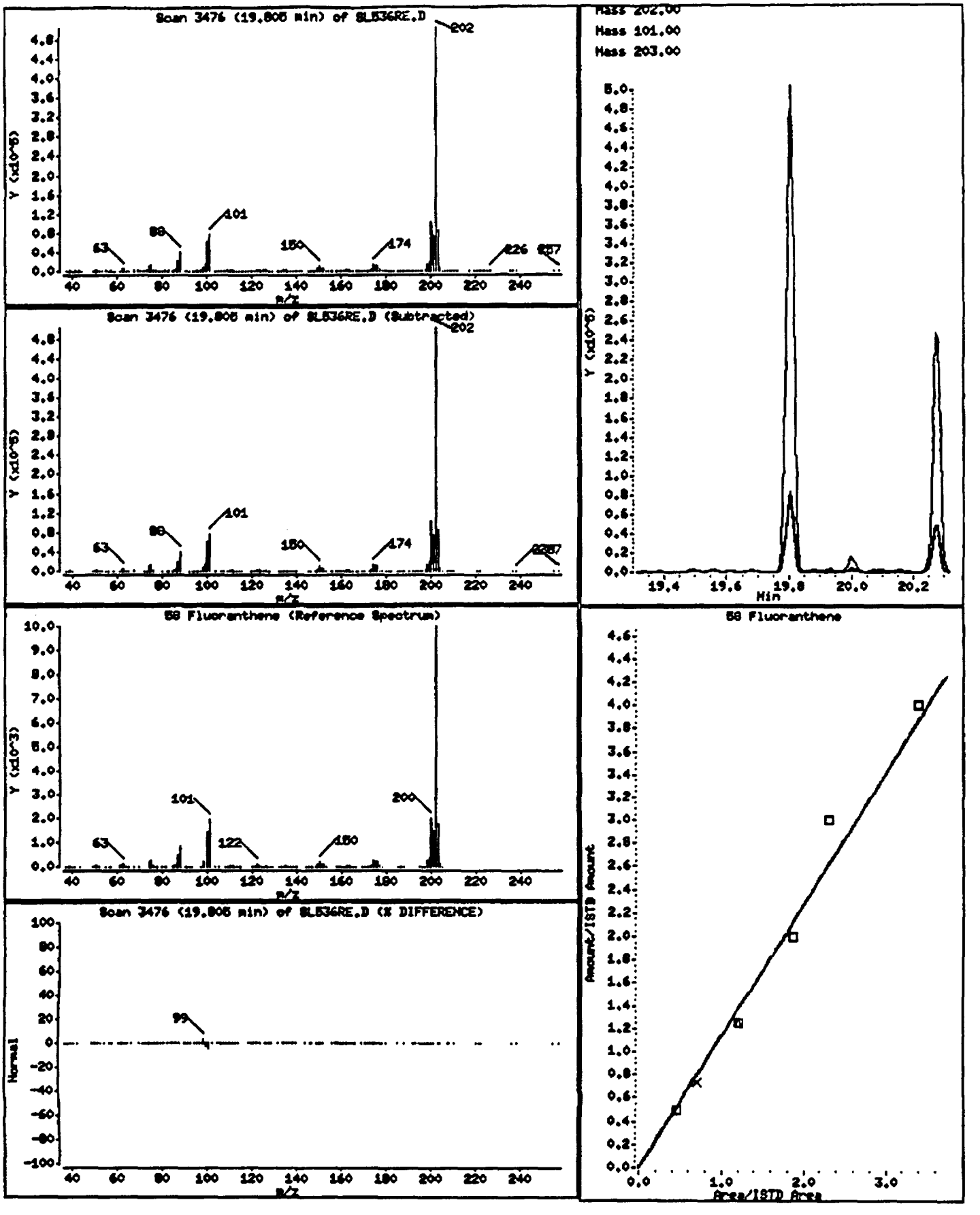
QC Flag Legend

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

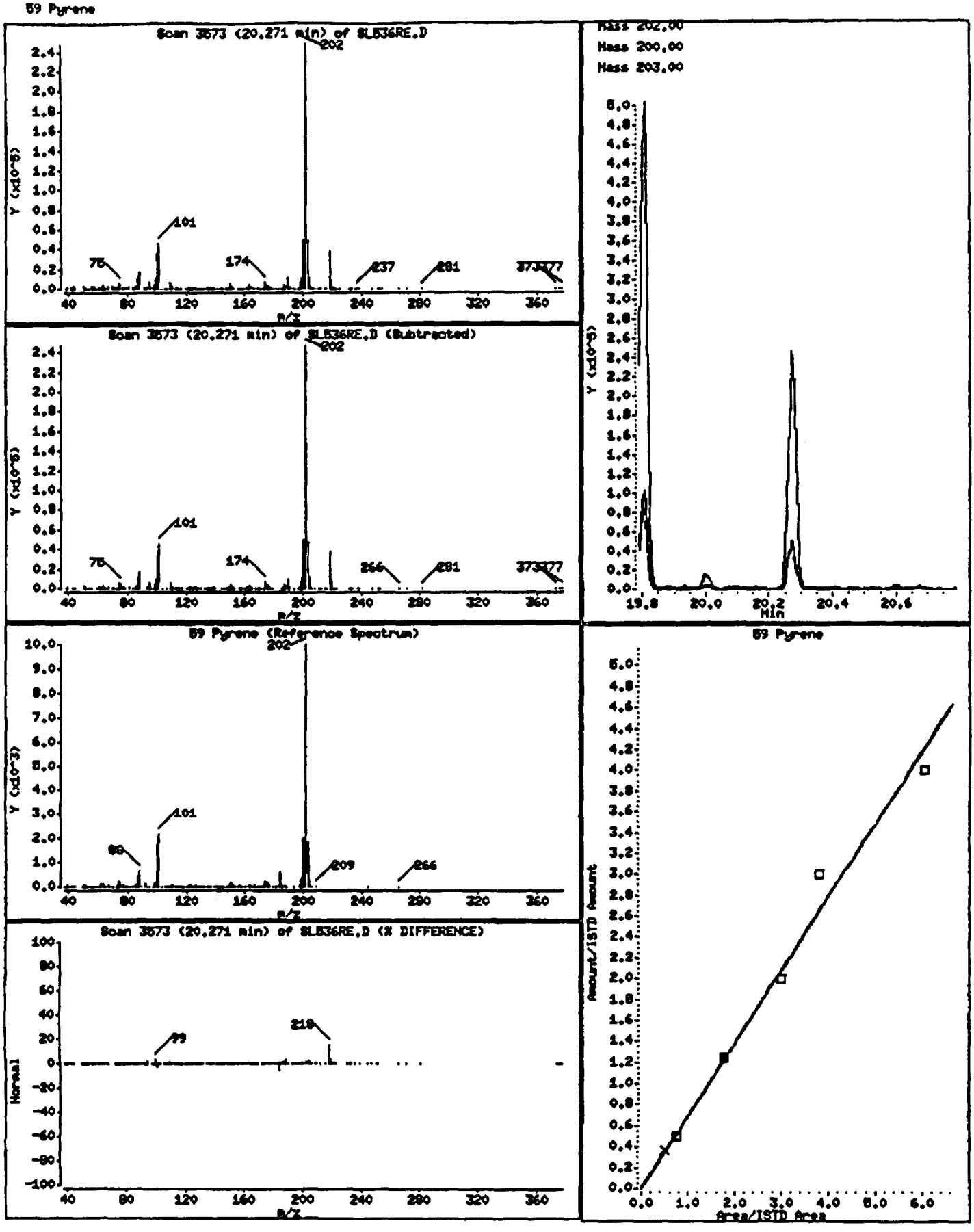
54 Phenanthrene



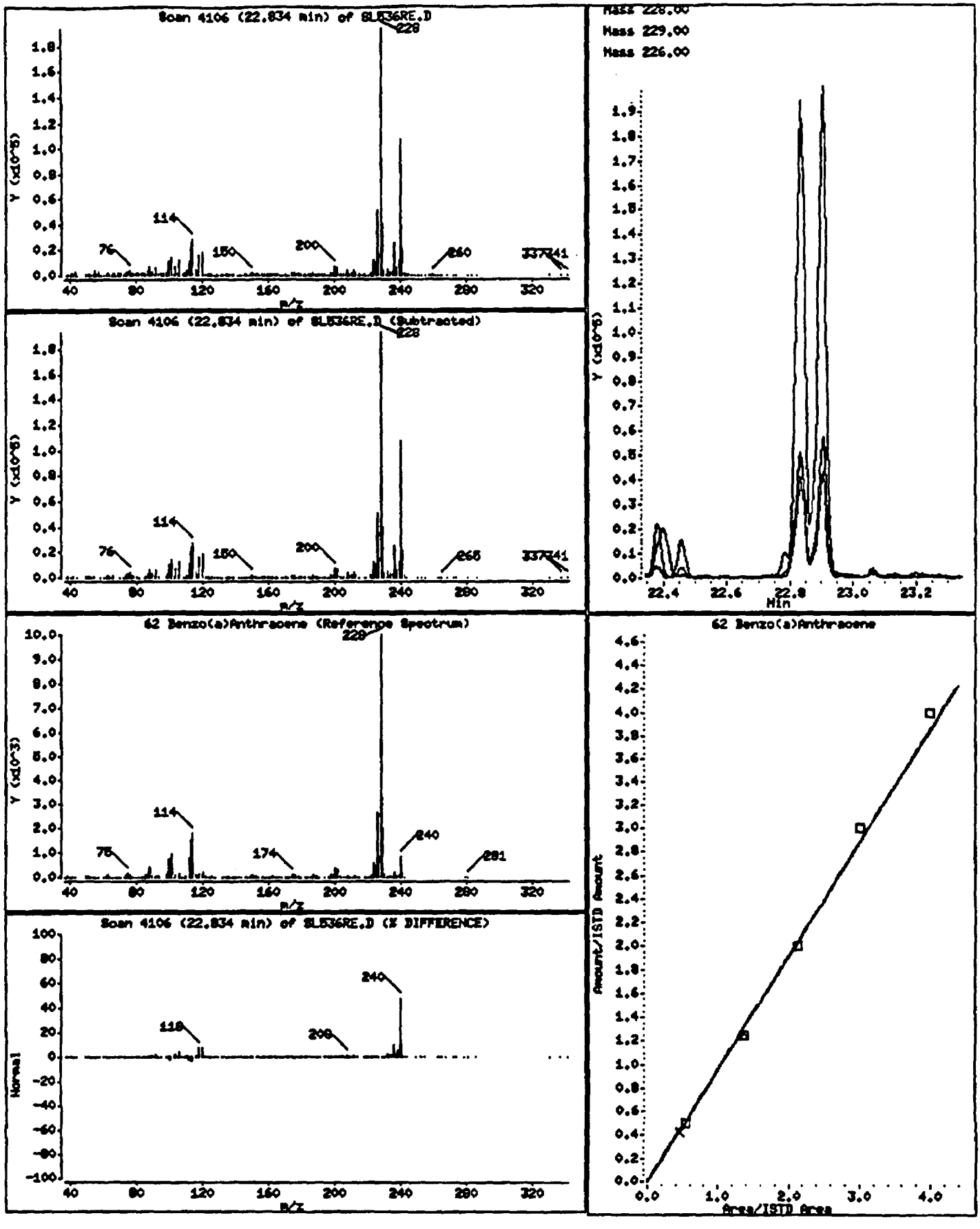
58 Fluoranthene



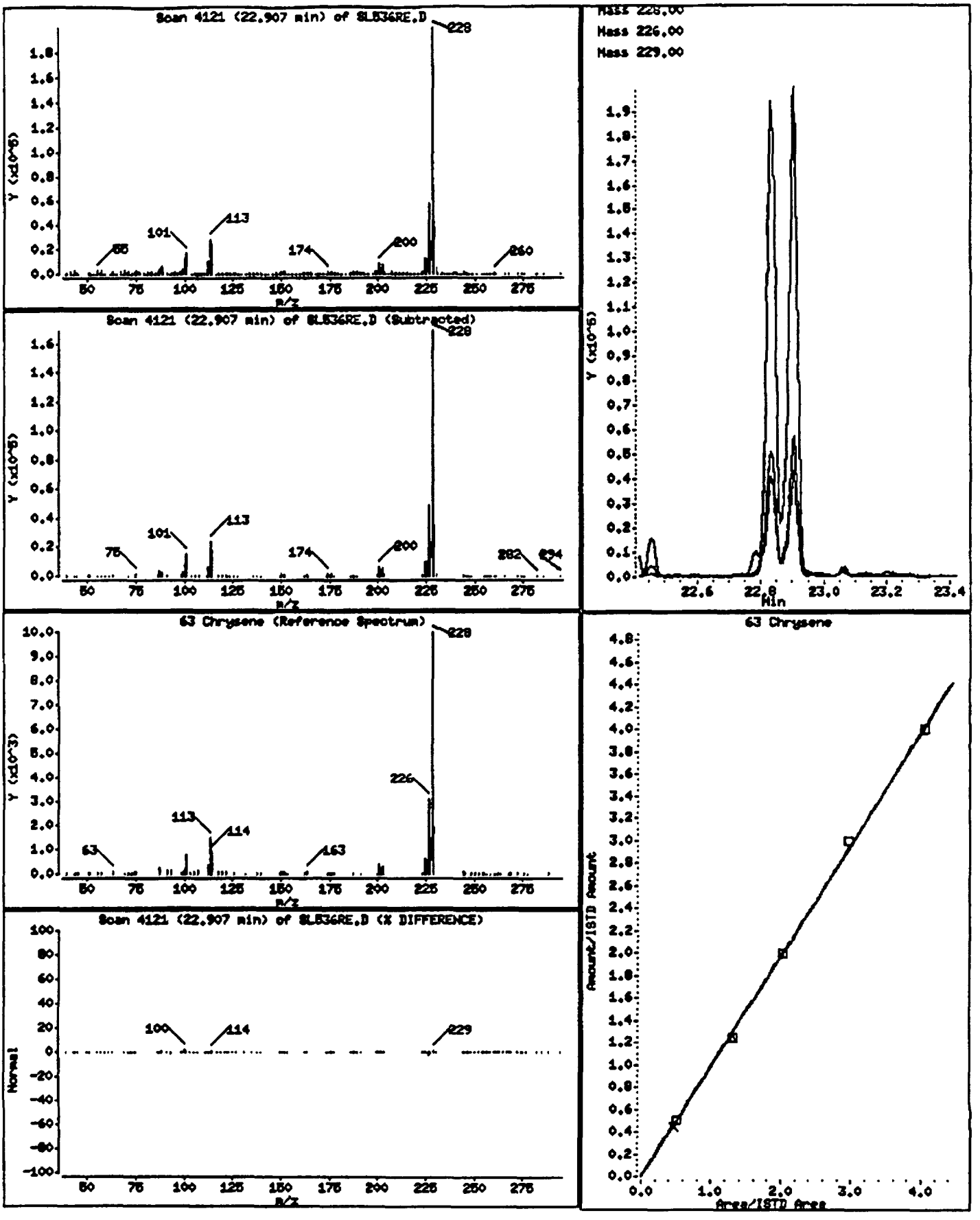
59 Pyrene


Scan 3673 (20.271 min) of SL536RE.D
Scan 3673 (20.271 min) of SL536RE.D (Subtracted)
59 Pyrene (Reference Spectrum)
Scan 3673 (20.271 min) of SL536RE.D (% DIFFERENCE)
Y (x10^5)
Y (x10^3)
Normal
M/Z
202
101
75
174
237
281
266
209
99
218
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^5)
Min
59 Pyrene
Amount/ISTD Amount
Area/ISTD Area

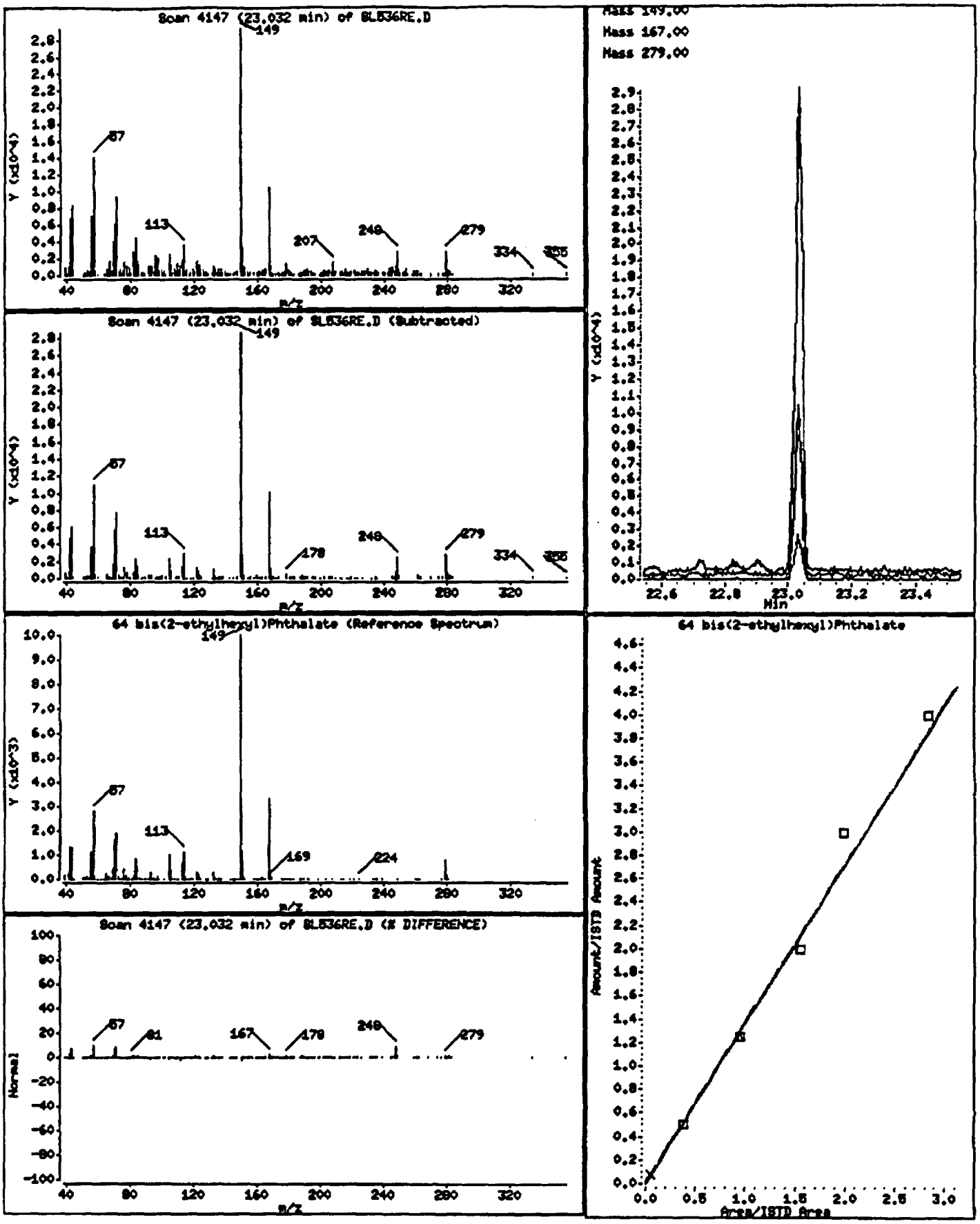
62 Benzo(a)Anthracene



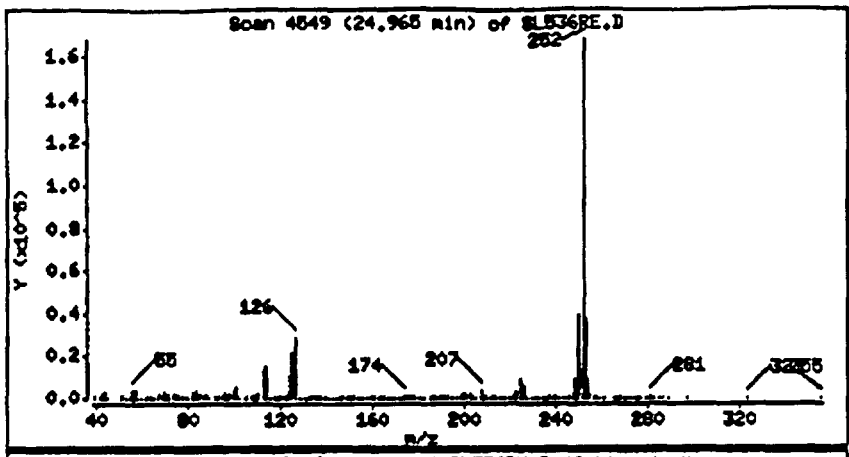
63 Chrysene

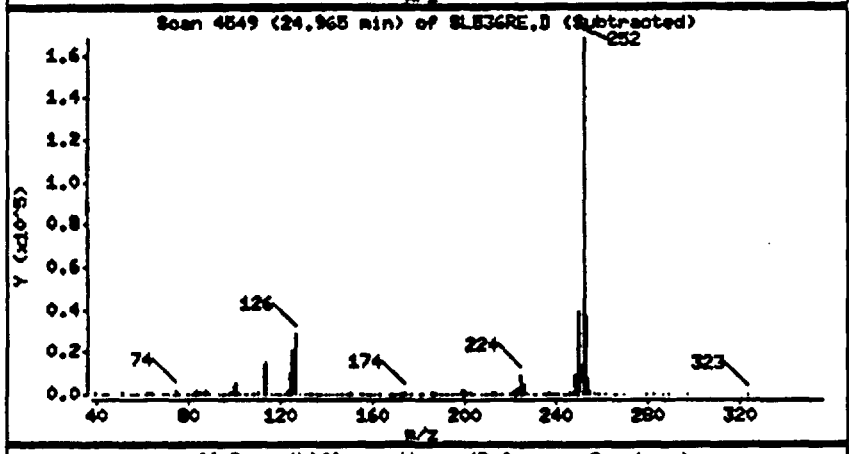

Scan 4121 (22.907 min) of SL536RE.D
Scan 4121 (22.907 min) of SL536RE.D (Subtracted)
63 Chrysene (Reference Spectrum)
Scan 4121 (22.907 min) of SL536RE.D (% DIFFERENCE)
Y (x10^-6)
Y (x10^-3)
Normal
M/Z
Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^-6)
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

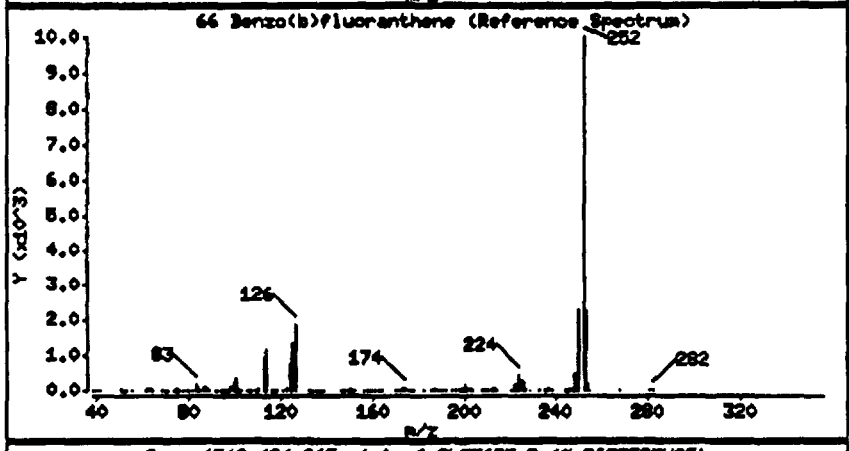
64 bis(2-ethylhexyl)Phthalate

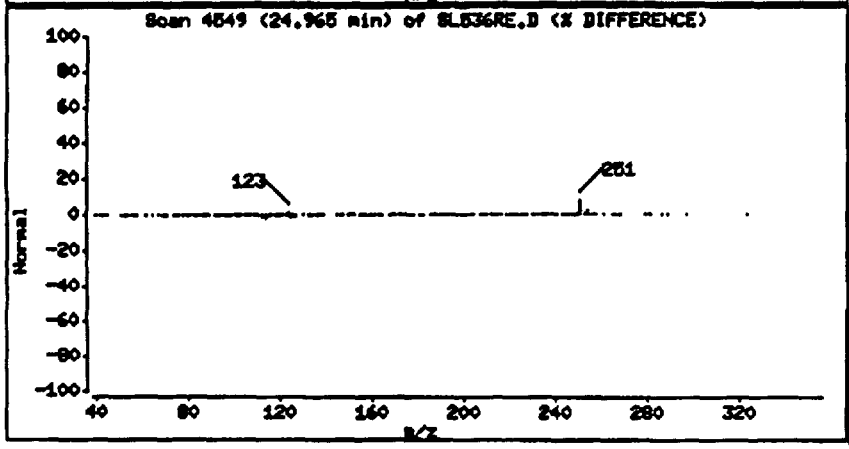


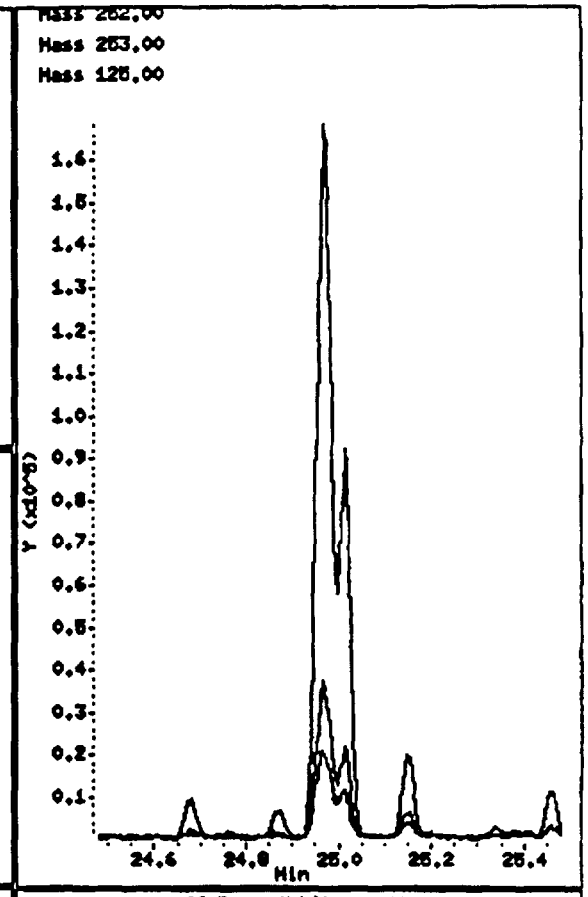
66 Benzo(b)fluoranthene

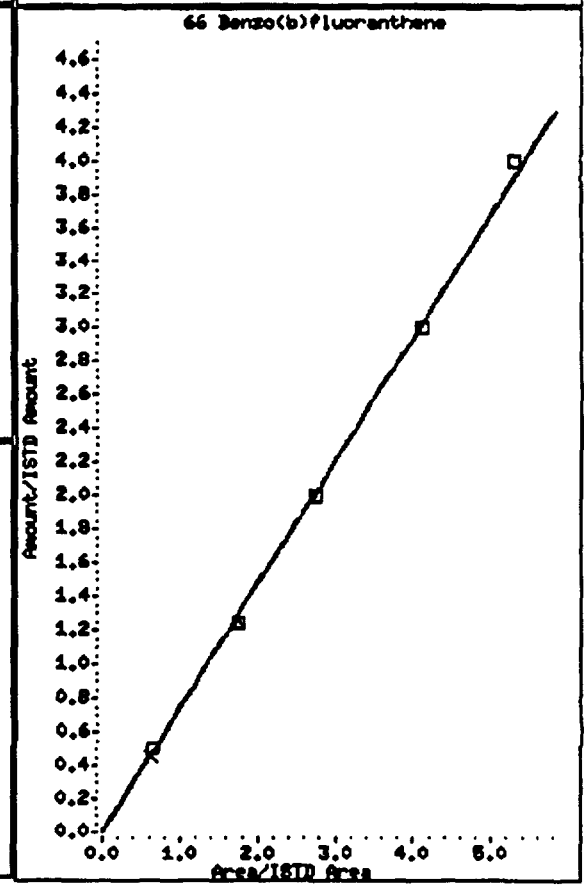




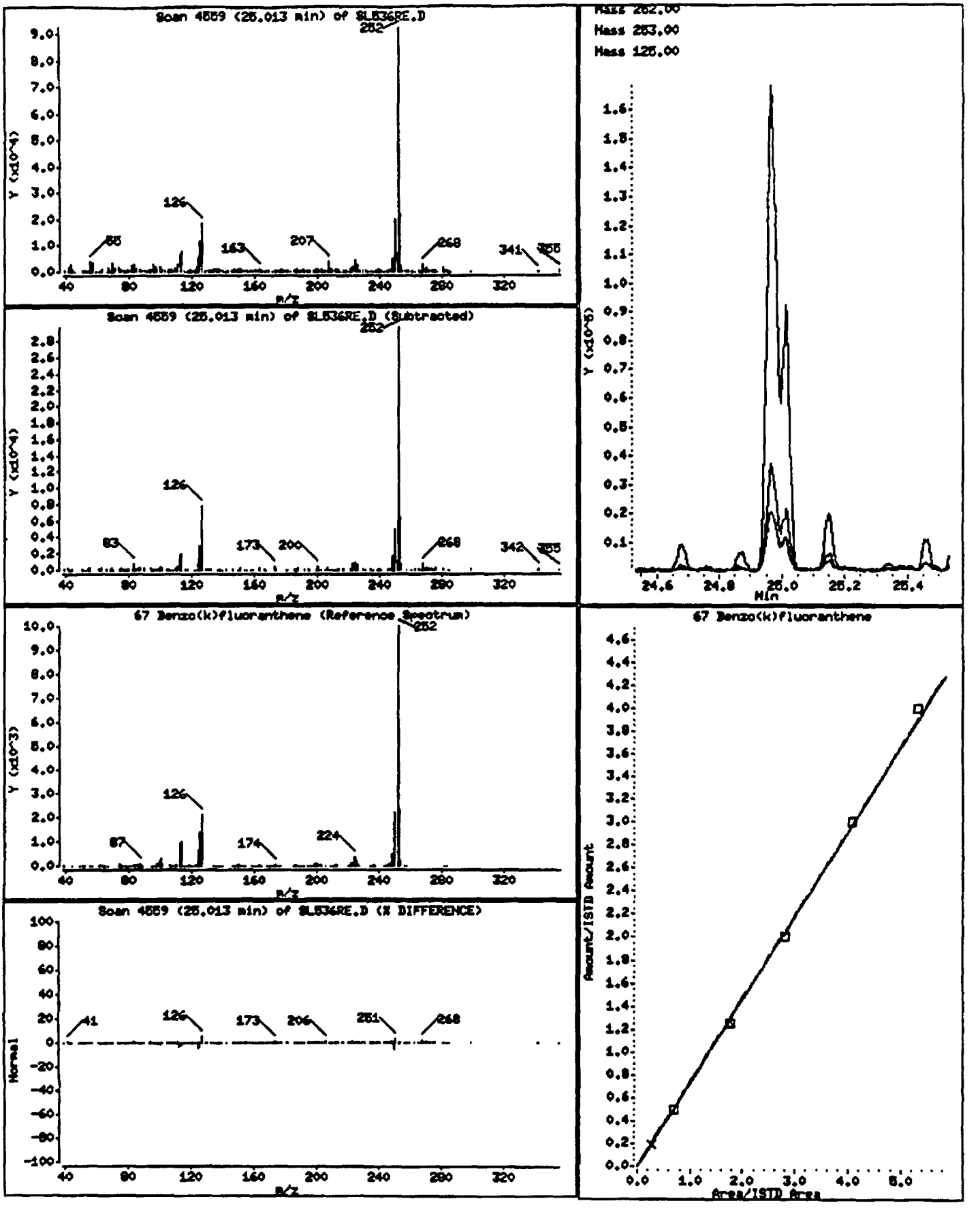




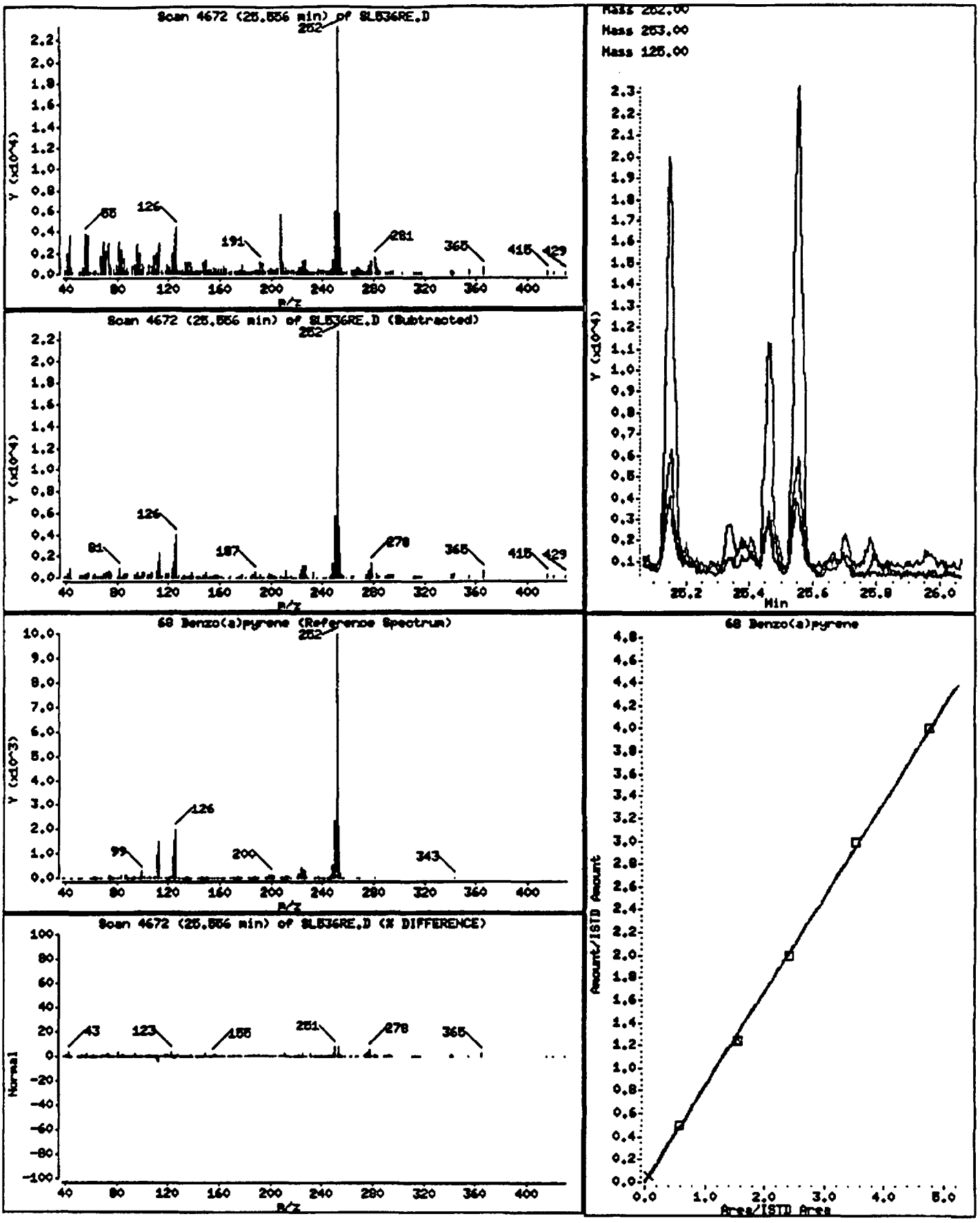




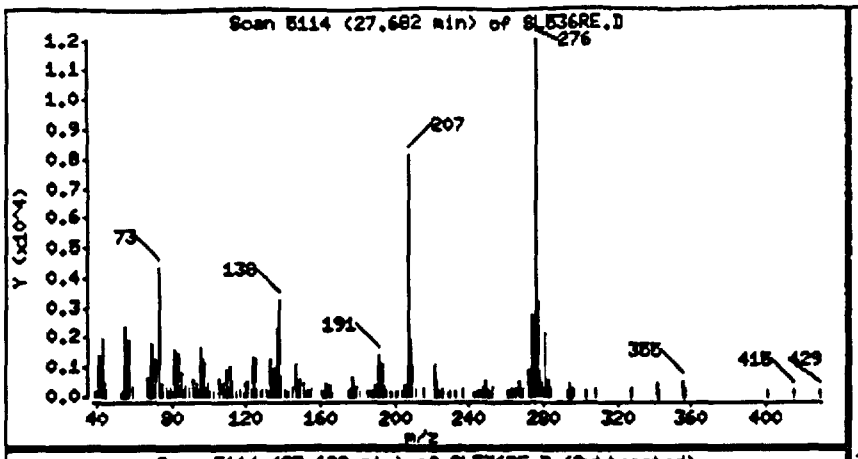
67 Benzo(k)fluoranthene

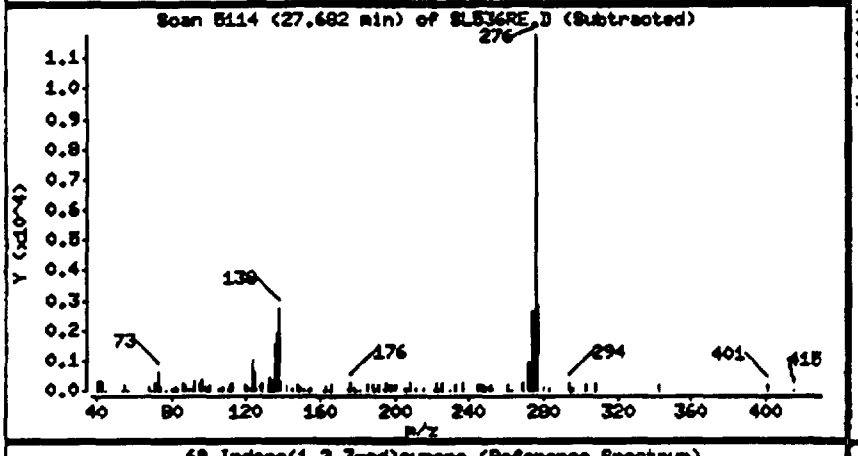


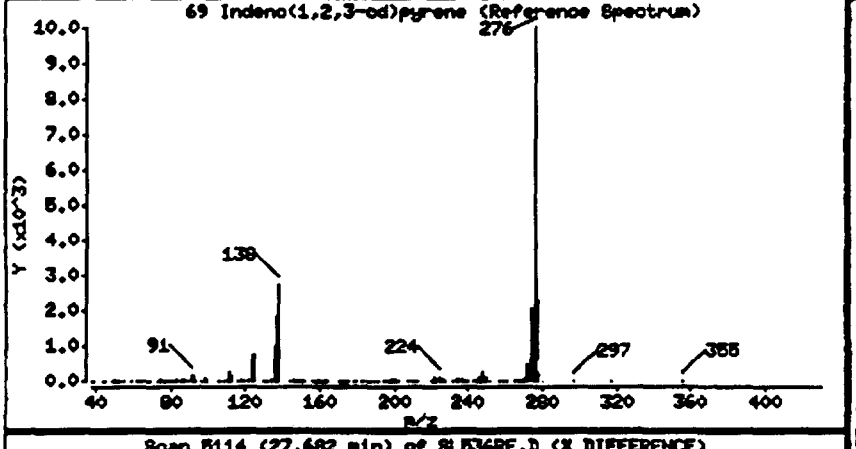
68 Benzo(a)pyrene

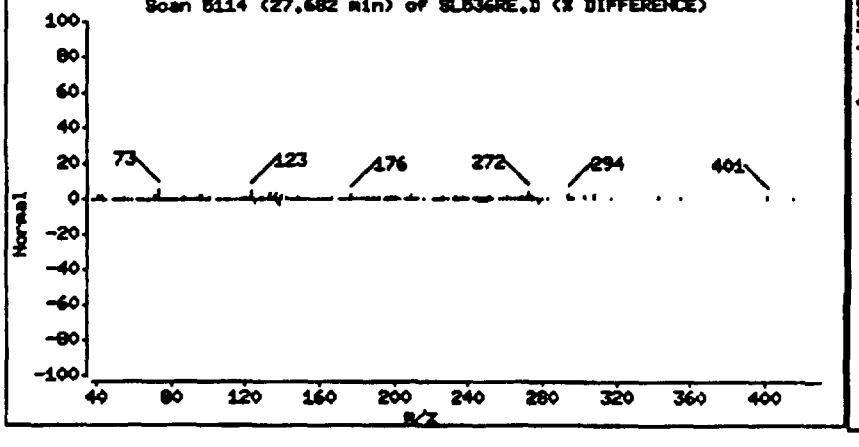


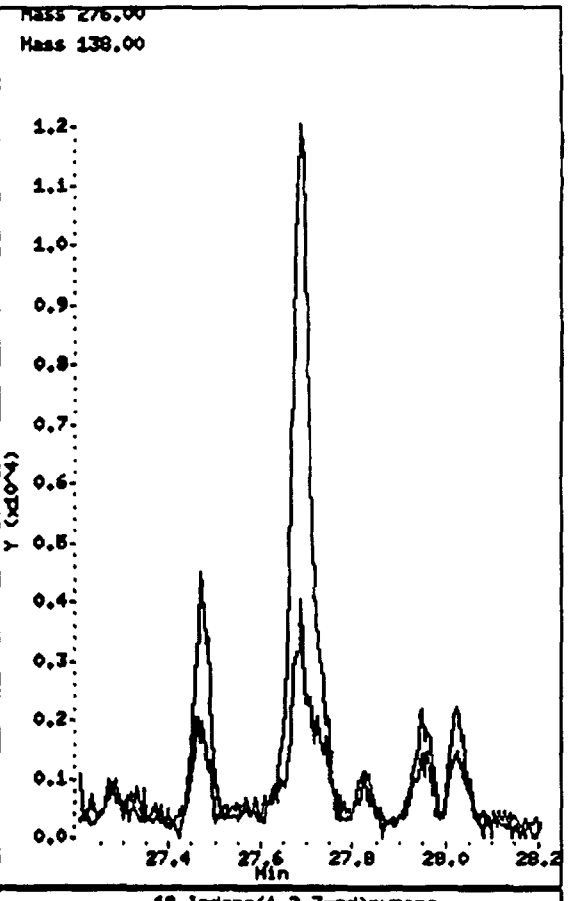
69 Indeno(1,2,3-cd)pyrene

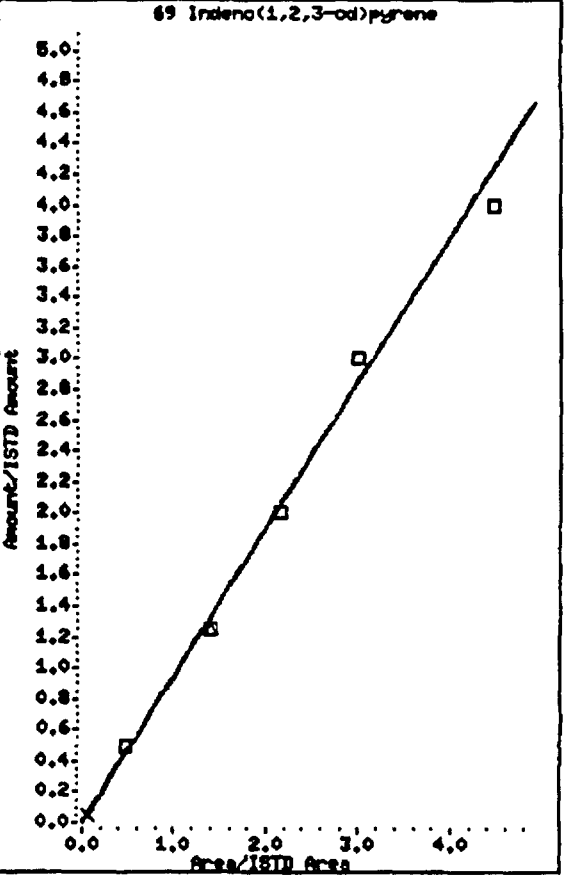












STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D
Lab Smp Id: DJRNQ20U Client Smp ID: SL53-6"
Inj Date : 30-SEP-2000 05:29
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrnq20u,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: 20
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	30.180	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.937	1925827	40.000
* 3 Acenaphthene-d10	14.082	2998722	40.000
* 4 Phenanthrene-d10	17.227	3108936	40.000
* 5 Chrysene-d12	22.854	3593427	40.000
* 6 Perylene-d12	25.662	1755146	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 #:		
5.316	63943812	1328.13201	22000	99		0	1
Unknown					CAS #:		
13.024	313982	4.18821084	69	0		0	3
Unknown PAH					CAS #:		
18.963	328783	4.23016749	70	99		0	4
Unknown					CAS #:		
19.526	429765	5.52942022	92	0		0	4
Unknown					CAS #:		
19.641	405576	5.21819882	86	0		0	4
Unknown Hydrocarbon					CAS #:		
24.128	378322	4.21126685	70	99		0	5
Unknown					CAS #:		
24.671	219430	5.00082688	83	0		0	6
Unknown Hydrocarbon					CAS #:		
24.763	320287	7.29937634	120	99		0	6
Unknown PAH					CAS #:		
25.147	208161	4.74402386	78	99		0	6
Unknown Hydrocarbon					CAS #:		
25.378	491404	11.1991604	180	99		0	6
Unknown					CAS #:		
25.777	323991	7.38380032	120	0		0	6
Unknown Hydrocarbon					CAS #:		
25.970	442810	10.0916933	170	99		0	6
Unknown Hydrocarbon					CAS #:		
26.388	241077	5.49417354	91	99		0	6
Unknown Hydrocarbon					CAS #:		
26.600	346909	7.90610586	130	99		0	6
Unknown Hydrocarbon					CAS #:		
27.061	243585	5.55132855	92	99		0	6

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
28.610	175592	4.00175174	66	0		0	6

Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 08:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

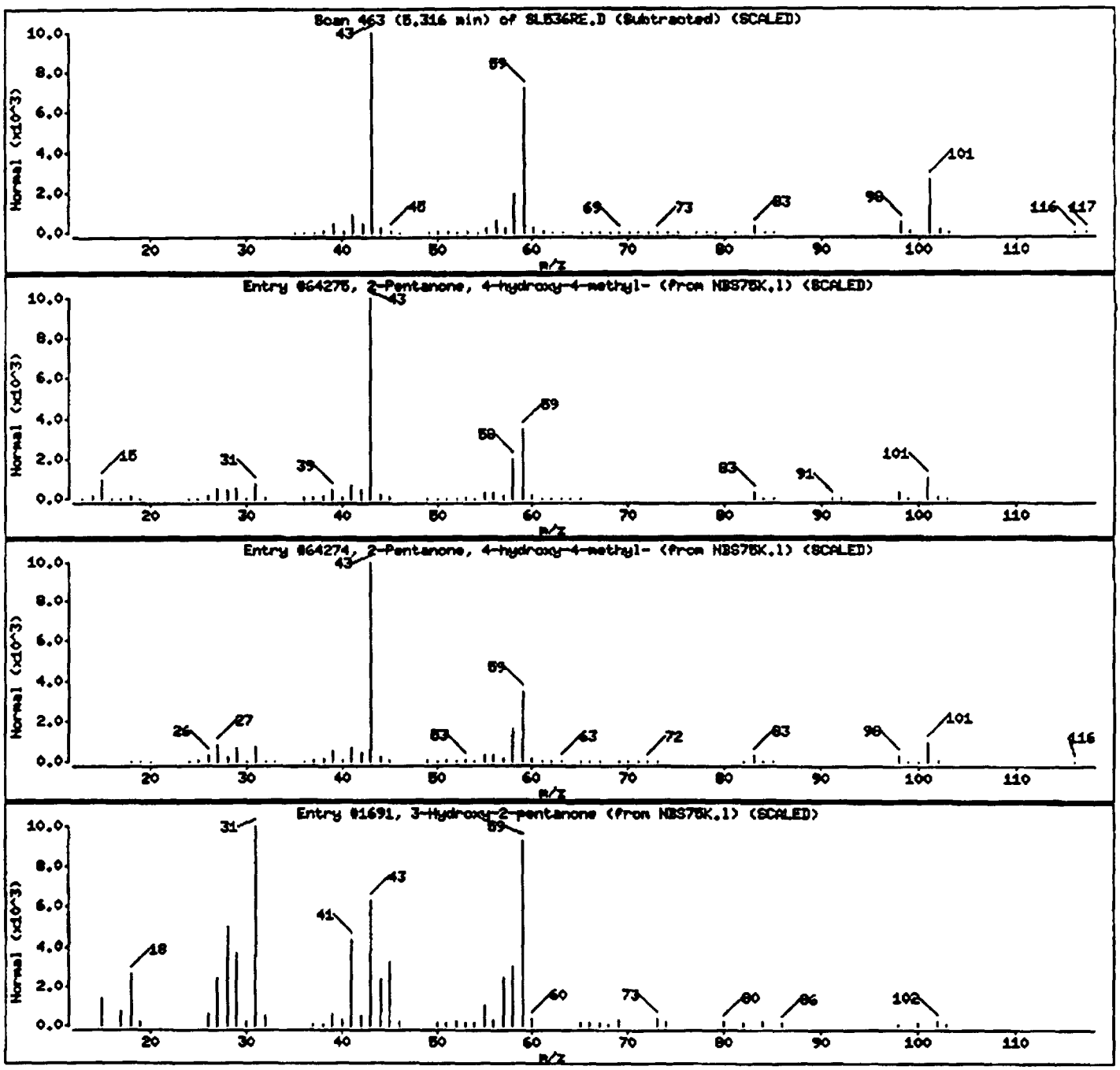
Volume Injected (uL): 2.0

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	64274	40	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	25	C5H10O2	102



Data File: \\qoanoh06\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,i-olp90,sub

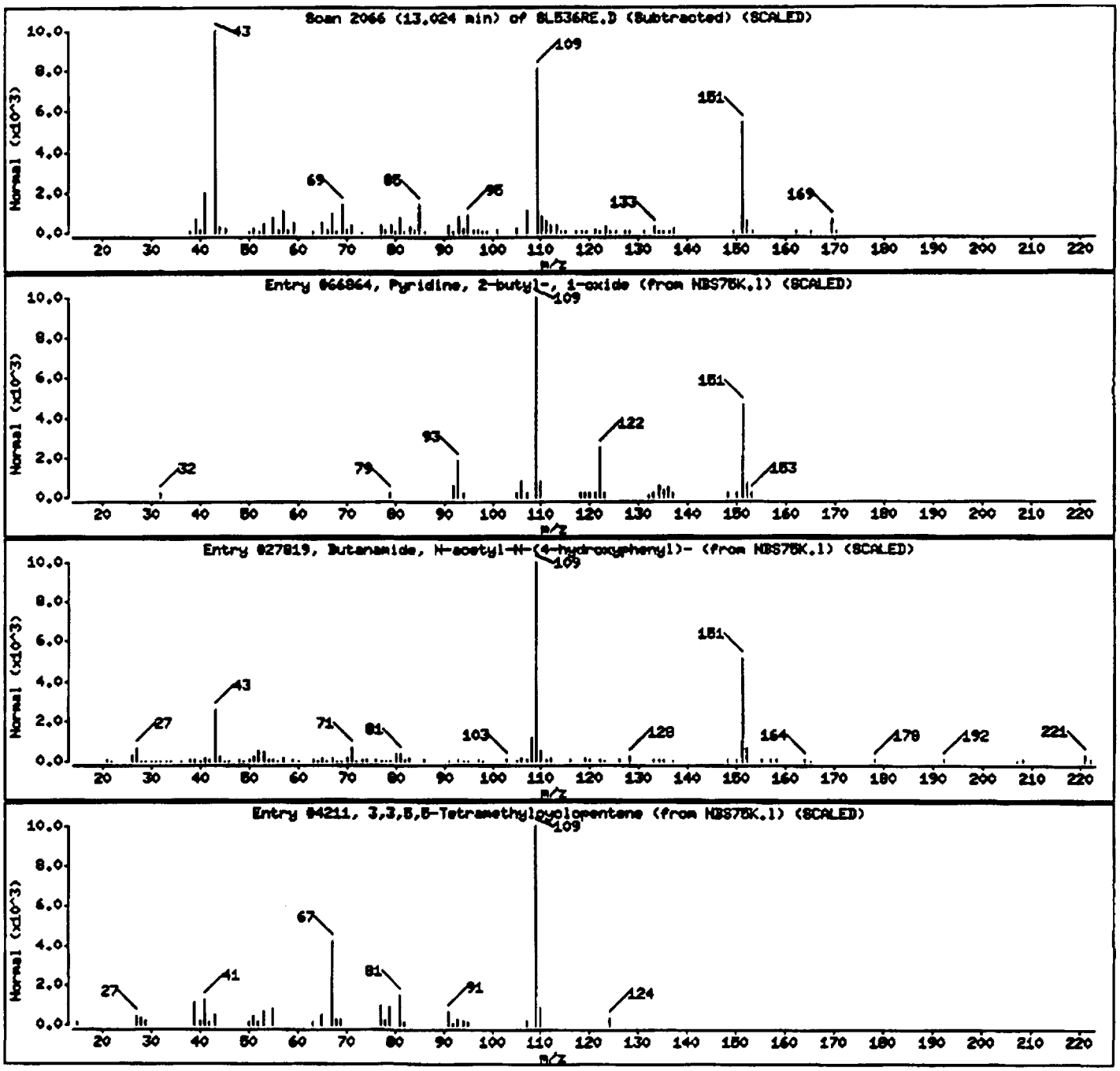
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pyridine, 2-butyl-, 1-oxide	31396-32-4	NBS75K.l	66864	59	C9H13NO	151
Butanamide, N-acetyl-N-(4-hydroxyphenyl)	0-00-0	NBS75K.l	27819	39	C12H15NO3	221
3,3,5,5-Tetramethylcyclopentene	0-00-0	NBS75K.l	4211	38	C9H16	124



Data File: \\qcanoh06\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

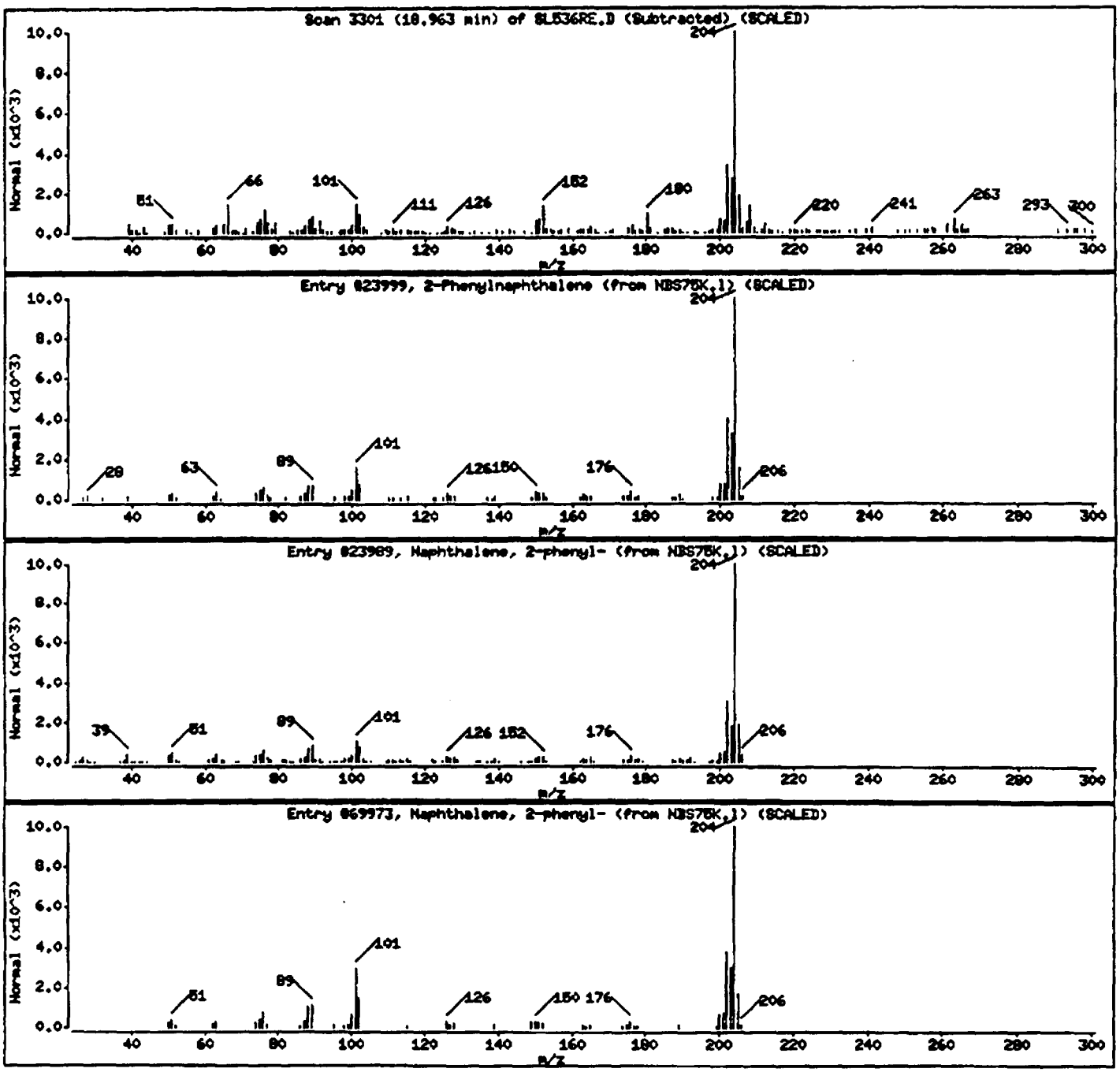
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
2-Phenylnaphthalene	35465-71-5	NBS75K.l	23999	91	C16H12	204
Naphthalene, 2-phenyl-	612-94-2	NBS75K.l	23989	70	C16H12	204
Naphthalene, 2-phenyl-	612-94-2	NBS75K.l	69973	64	C16H12	204



Data File: \\qcanch05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrmq20u,00929a.b,olp31,1-olp90.sub

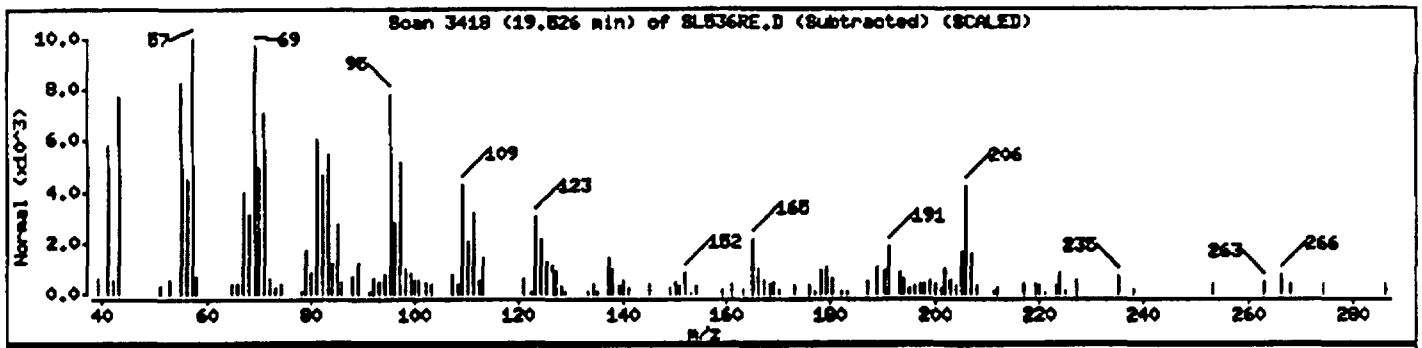
Volume Injected (uL): 2.0

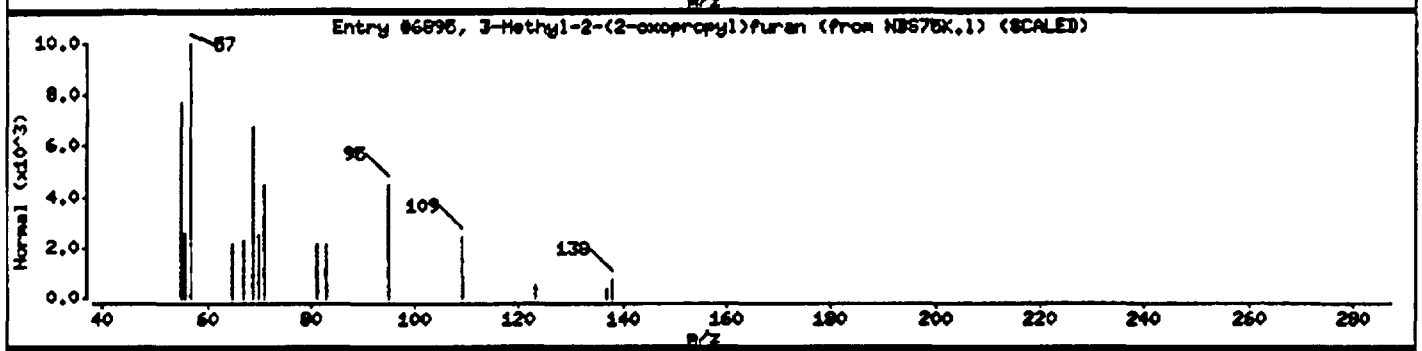
Operator: 001574

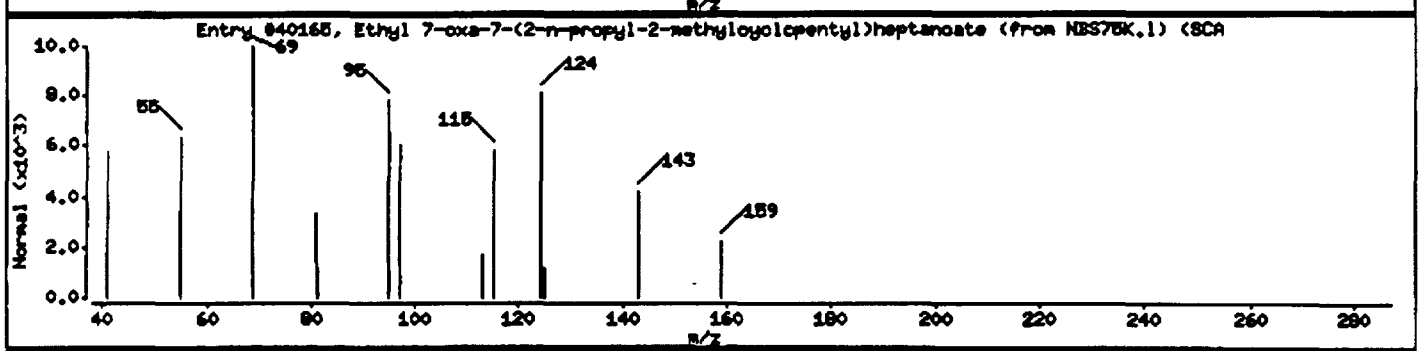
Column phase:

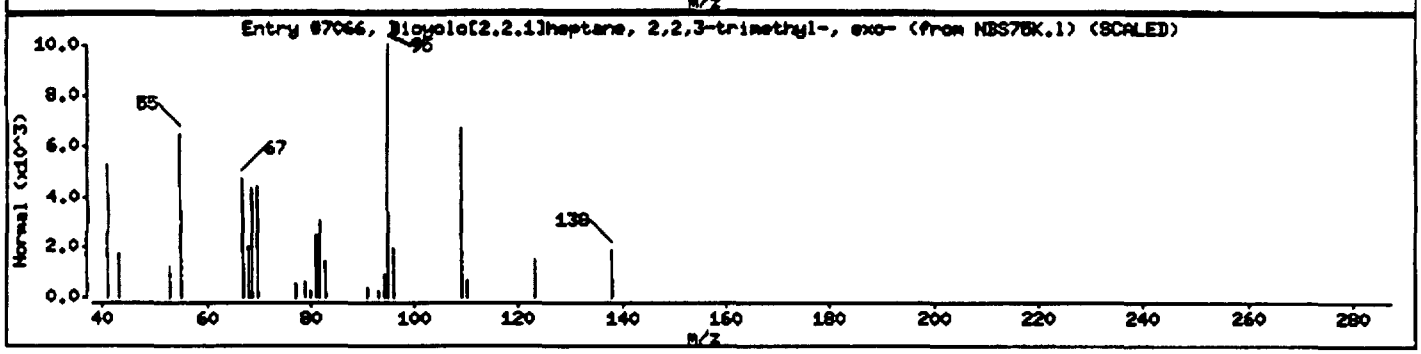
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Methyl-2-(2-oxopropyl)furan	0-00-0	NBS75K.l	6895	45	C8H10O2	138
Ethyl 7-oxa-7-(2-n-propyl-2-methyloyclop	0-00-0	NBS75K.l	40165	35	C17H32O3	284
Bicyclo[2.2.1]heptane, 2,2,3-trimethyl-,	20536-41-8	NBS75K.l	7066	25	C10H18	138









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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,clp31,1-clp90.sub

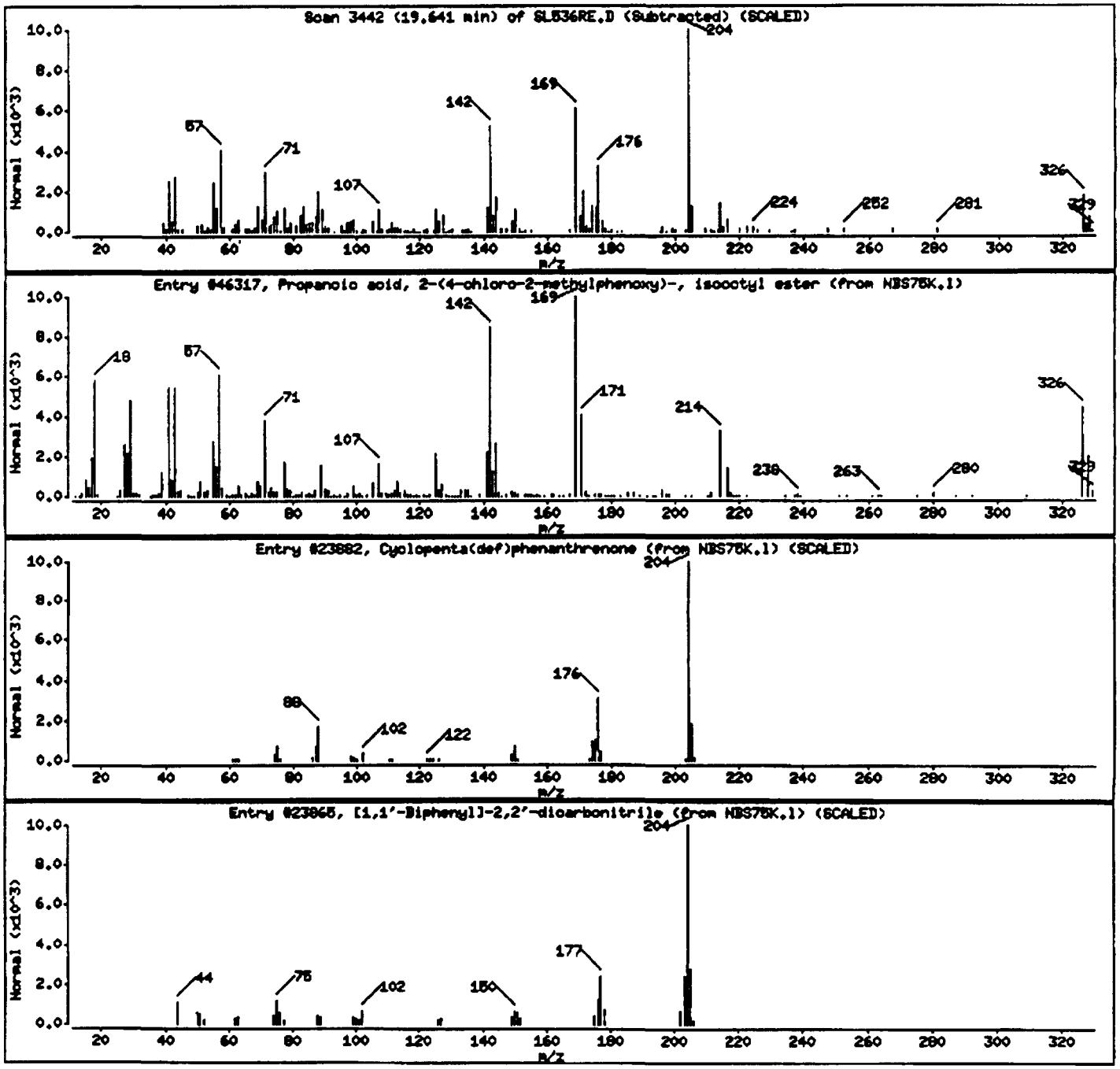
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanoic acid, 2-(4-chloro-2-methylphen	28473-03-2	NBS75K.l	46317	64	C18H27ClO3	326
Cyclopenta(def)phenanthrenone	5737-13-3	NBS75K.l	23882	46	C15H8O	204
[1,1'-Biphenyl]-2,2'-dicarbonitrile	4341-02-0	NBS75K.l	23865	22	C14H8N2	204



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,clp31,1-clp90.sub

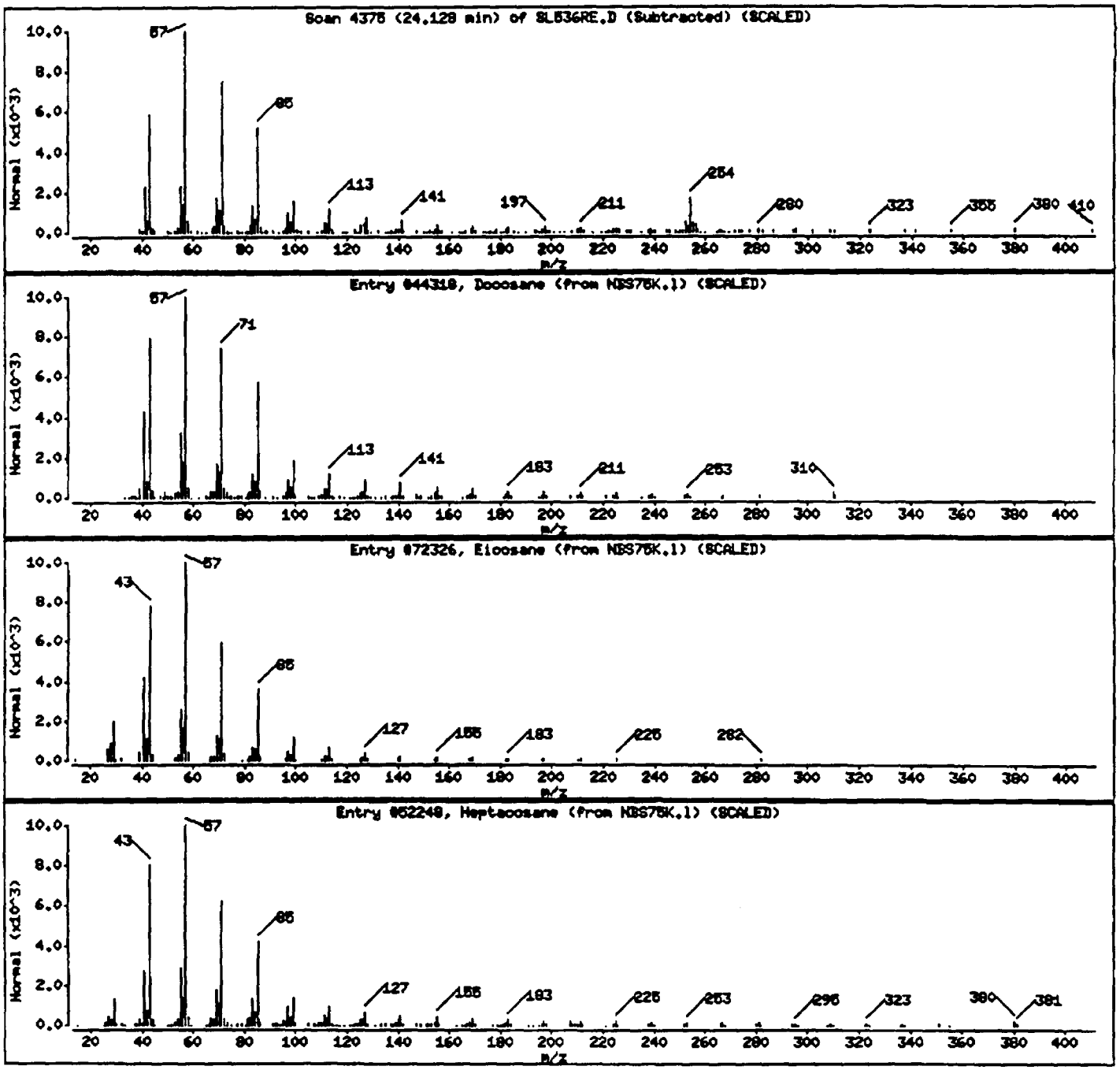
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Docosane	629-97-0	NBS75K.l	44318	99	C22H46	310
Eicosane	112-95-8	NBS75K.l	72326	97	C20H42	282
Heptacosane	593-49-7	NBS75K.l	52248	95	C27H56	380



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

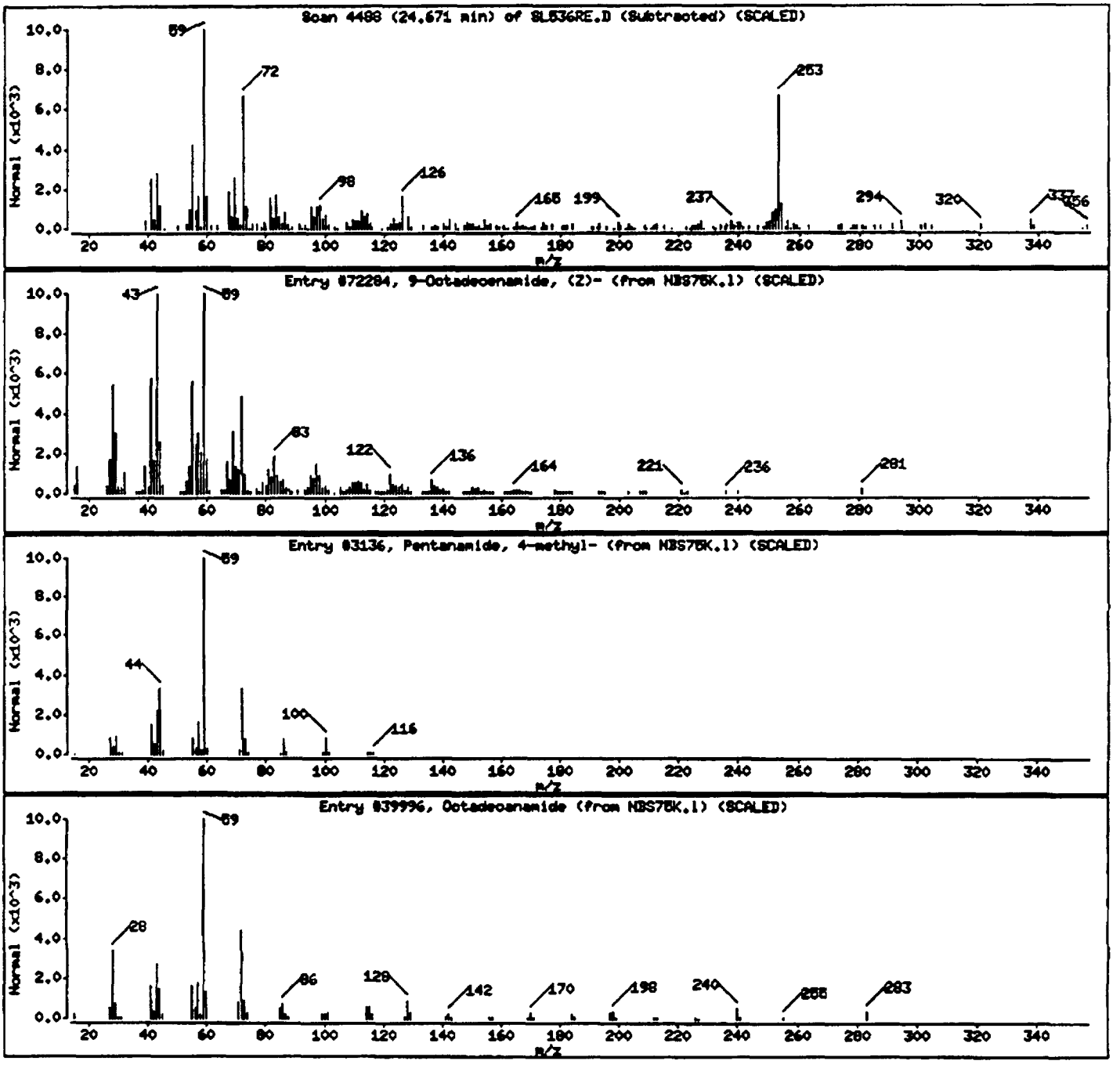
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
9-Octadecenamide, (Z)-	301-02-0	NBS75K.1	72284	37	C18H35NO	281
Pentanamide, 4-methyl-	1119-29-5	NBS75K.1	3136	37	C6H13NO	115
Octadecanamide	124-26-5	NBS75K.1	39996	37	C18H37NO	283



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,i-olp90,sub

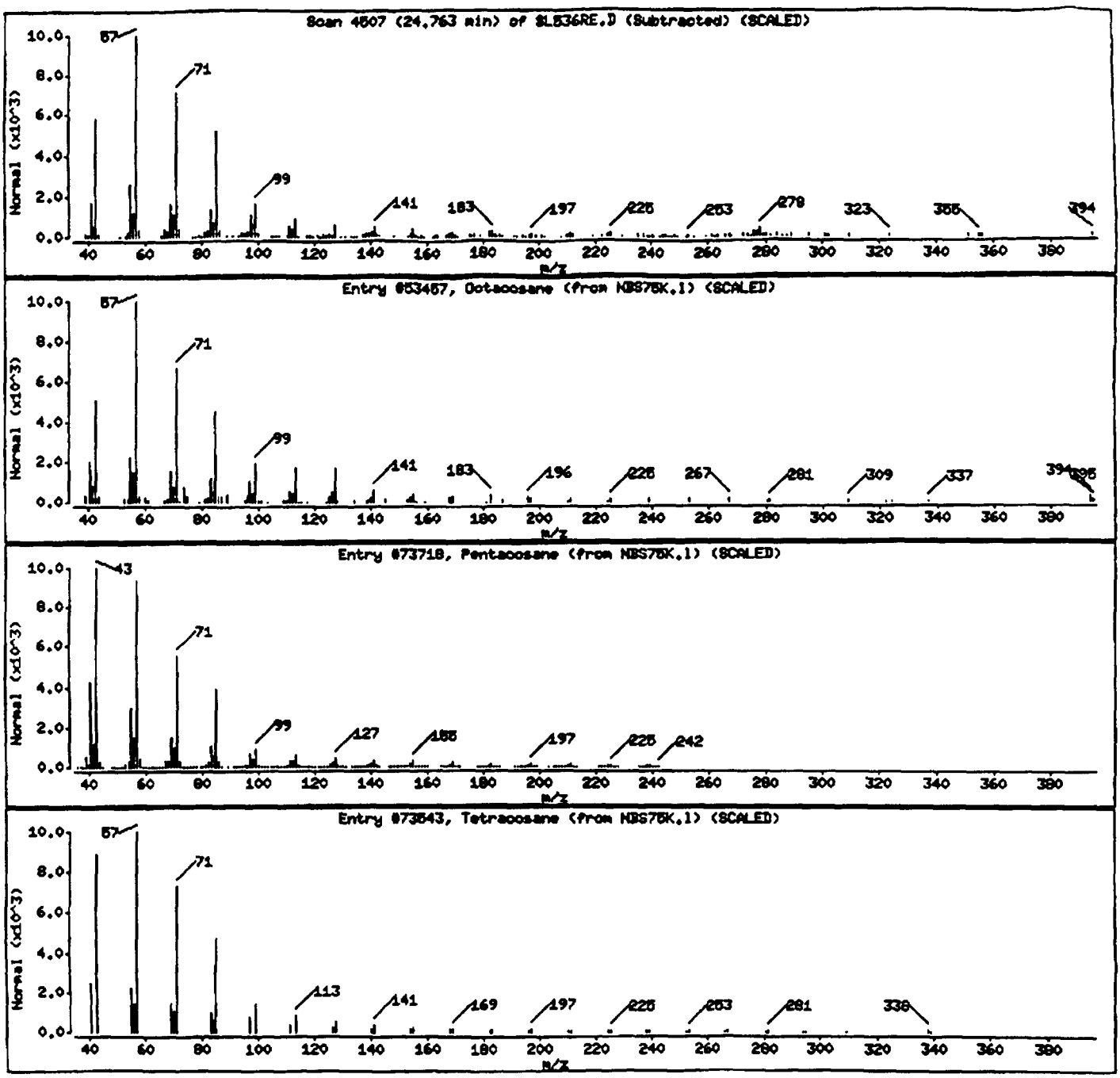
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octacosane	630-02-4	NBS75K.l	53457	93	C28H58	394
Pentacosane	629-99-2	NBS75K.l	73718	90	C25H52	352
Tetracosane	646-31-1	NBS75K.l	73543	90	C24H50	338



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Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrmq20u,00929a.b,olp31,1-olp90,sub

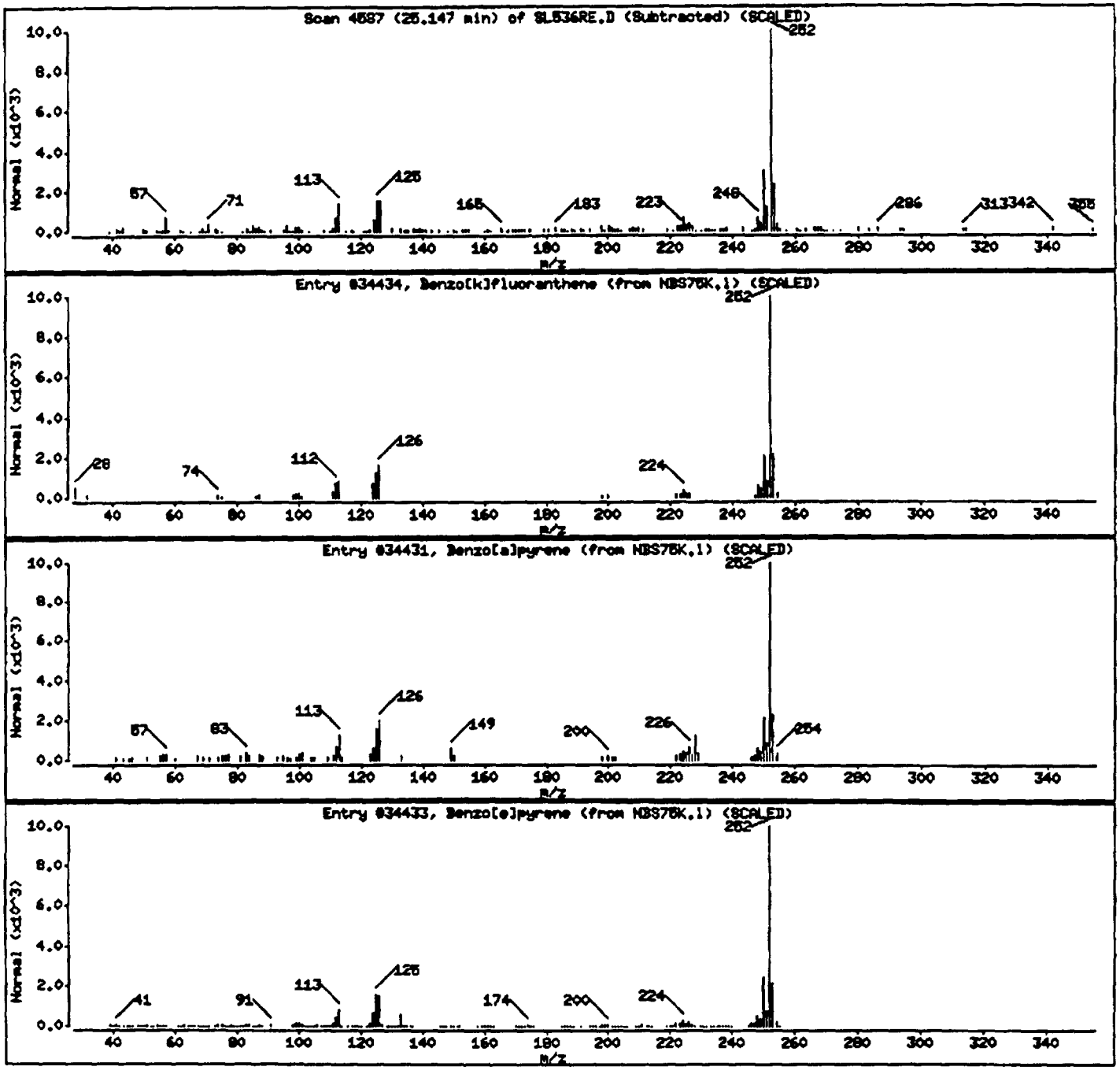
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Benzo[k]fluoranthene	207-08-9	NBS75K.l	34434	96	C20H12	252
Benzo[a]pyrene	50-32-8	NBS75K.l	34431	93	C20H12	252
Benzo[e]pyrene	192-97-2	NBS75K.l	34433	91	C20H12	252



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,clp31.i-clp90.sub

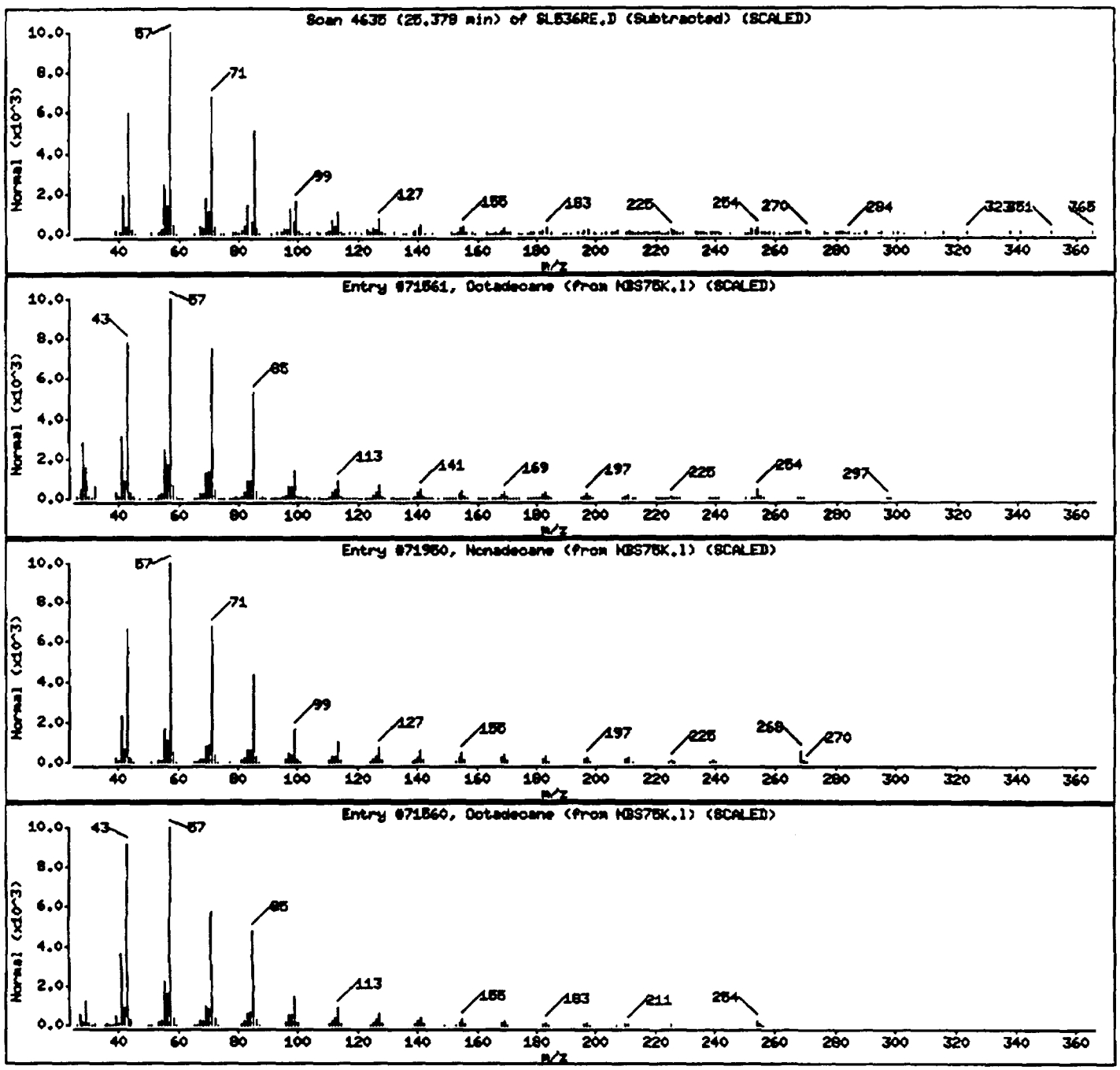
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71561	96	C18H38	254
Nonadecane	629-92-5	NBS75K.l	71950	95	C19H40	268
Octadecane	593-45-3	NBS75K.l	71560	94	C18H38	254



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a,b,olp31,i-olp90,sub

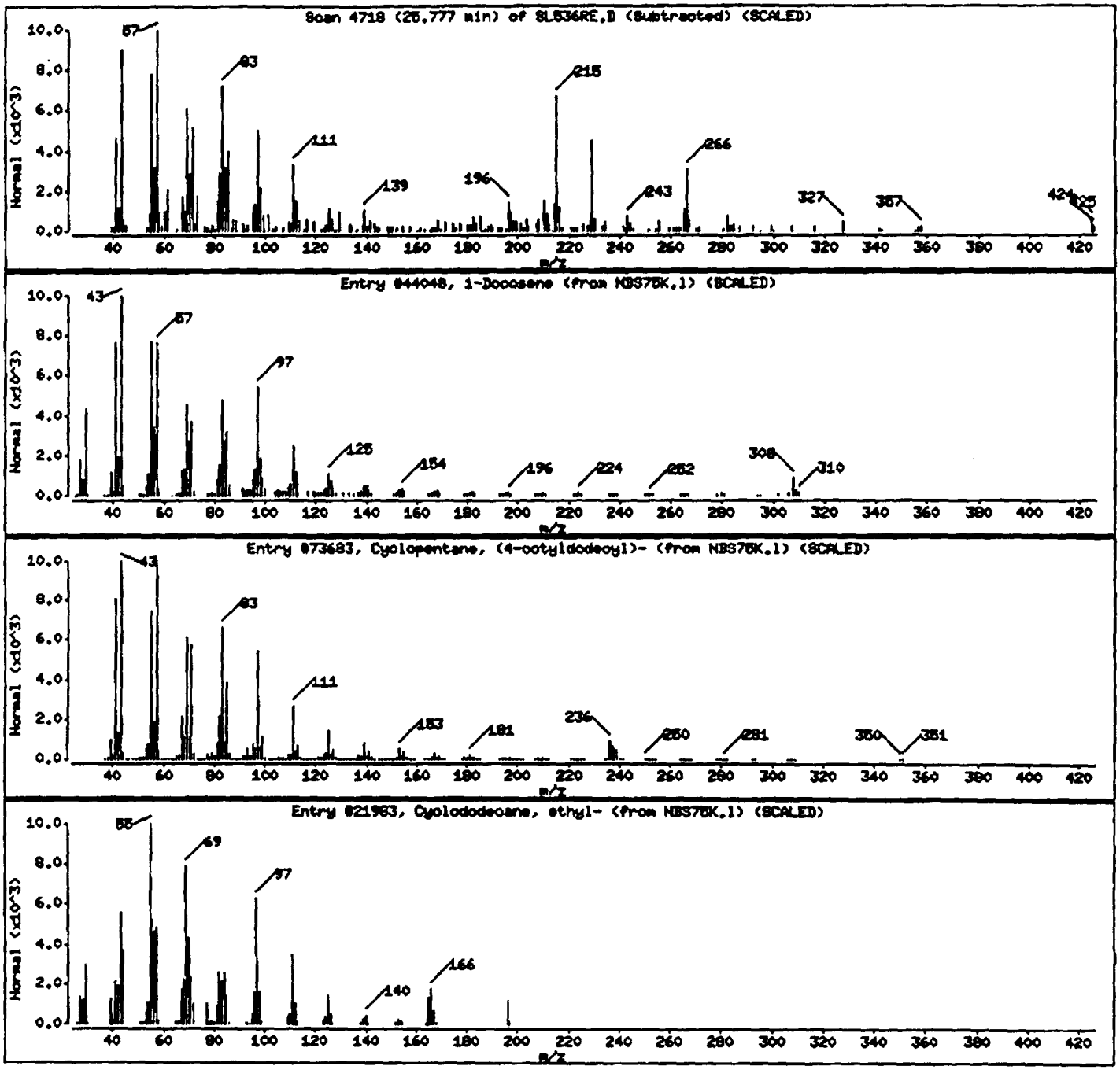
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Docosene	1599-67-3	NBS75K.l	44048	30	C22H44	308
Cyclopentane, (4-octyldodecyl)-	5639-09-5	NBS75K.l	73683	25	C25H50	350
Cyclododecane, ethyl-	28981-49-9	NBS75K.l	21983	25	C14H28	196



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Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrmq20u,00929a.b,olp31,i-olp90.sub

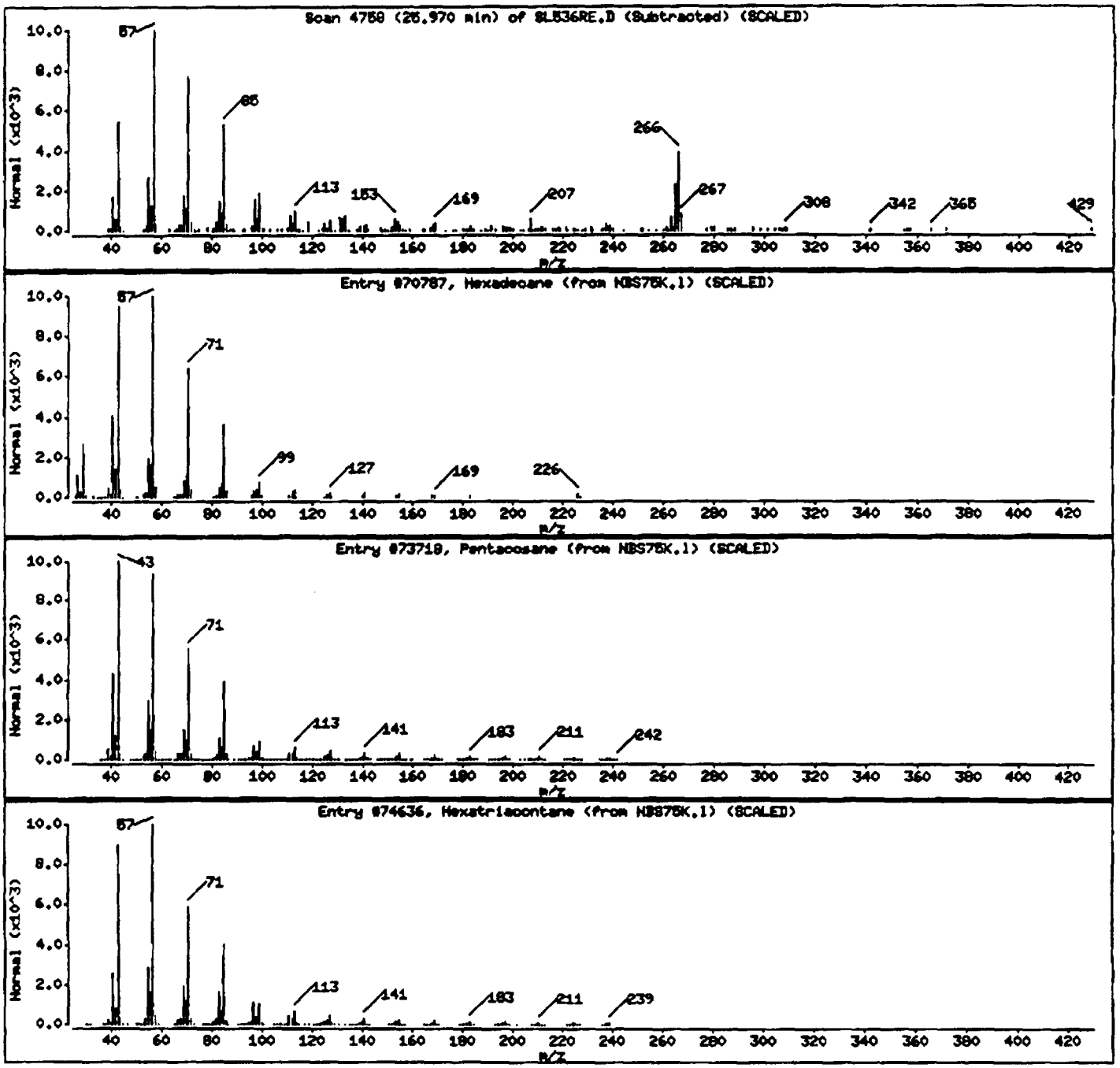
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Hexadecane	544-76-3	NBS75K.l	70787	92	C16H34	226
Pentacosane	629-99-2	NBS75K.l	73718	62	C25H52	352
Hexatriacontane	630-06-8	NBS75K.l	74636	62	C36H74	507



Data File: \\qoanch05\dd\chem\HSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

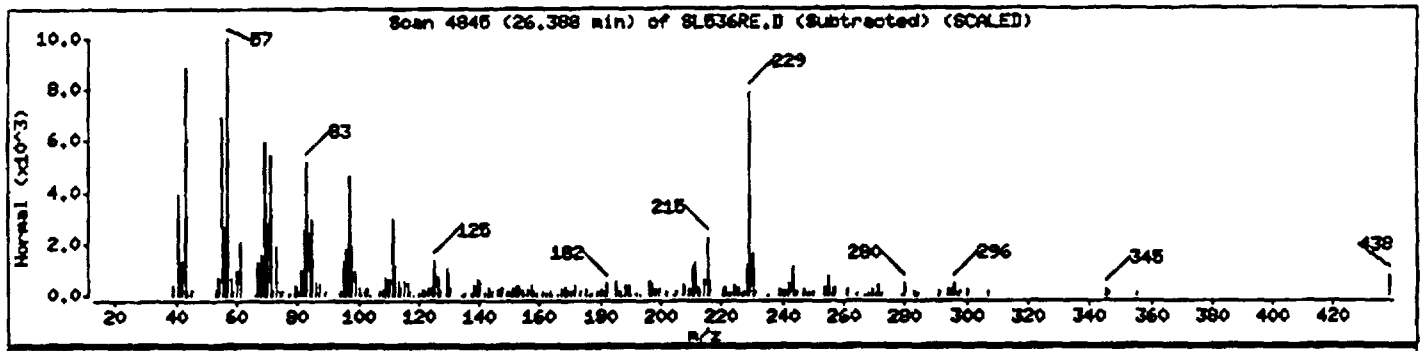
Volume Injected (uL): 2.0

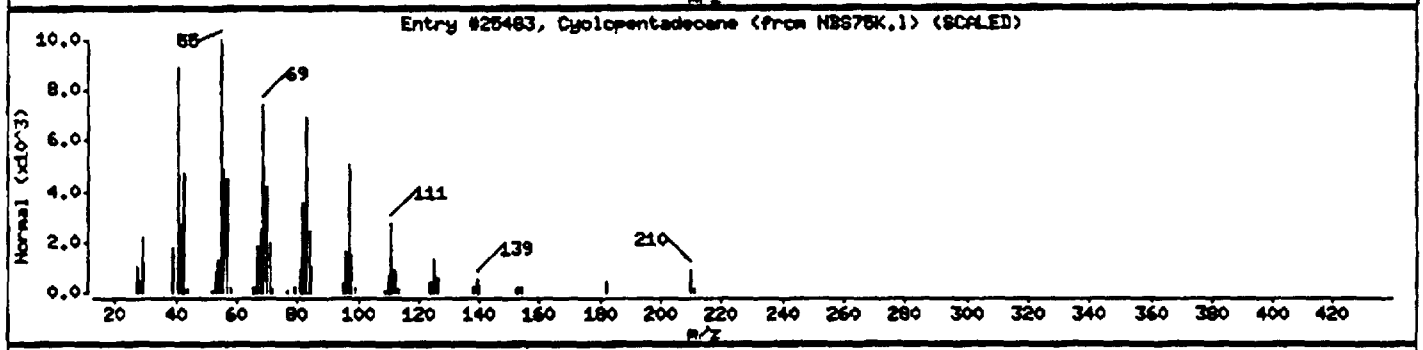
Operator: 001574

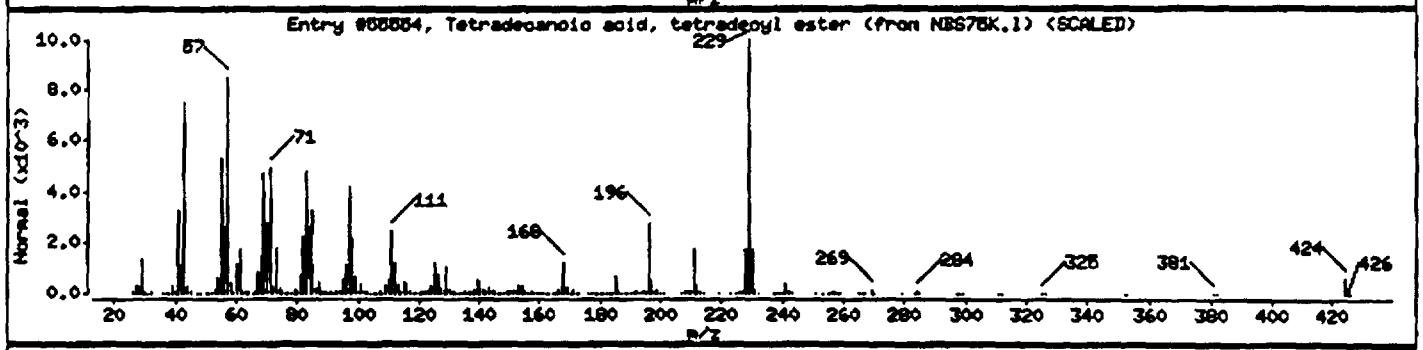
Column phase:

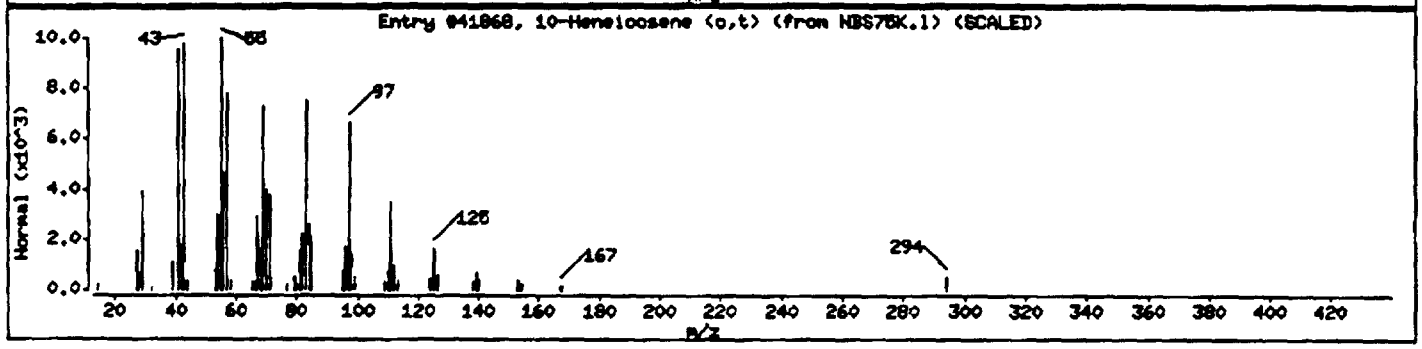
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Cyclopentadecane	295-48-7	NBS75K.l	25483	96	C15H30	210
Tetradecanoic acid, tetradecyl ester	3234-85-3	NBS75K.l	55554	83	C28H56O2	424
10-Heneicosene (c,t)	0-00-0	NBS75K.l	41868	51	C21H42	294









Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

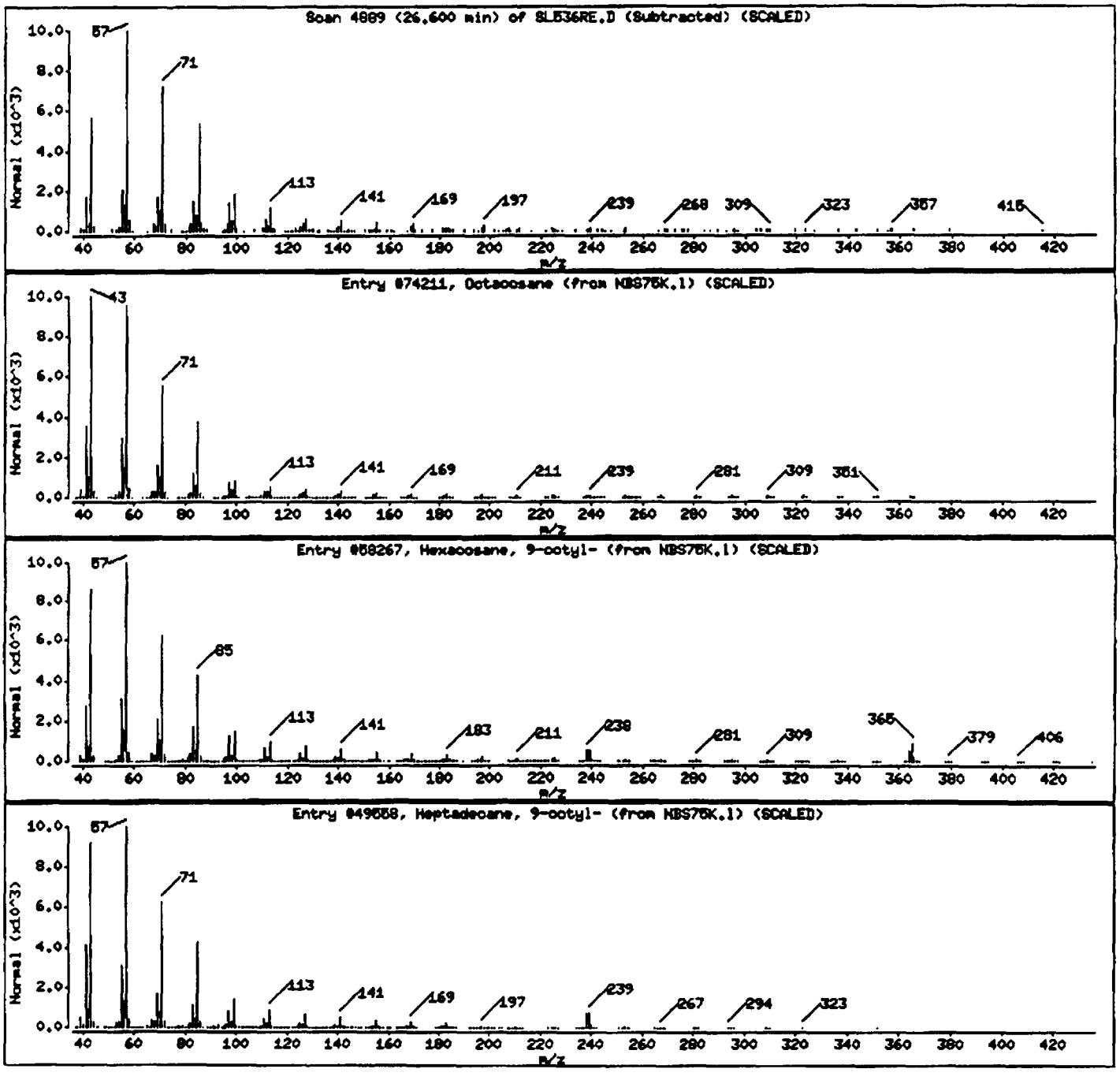
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octacosane	630-02-4	NBS75K.l	74211	91	C28H58	394
Hexacosane, 9-octyl-	55429-83-9	NBS75K.l	58267	91	C34H70	479
Heptadecane, 9-octyl-	7225-64-1	NBS75K.l	49658	91	C26H52	352



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Date : 30-SEP-2000 06:29

Client ID: SL53-6'

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90,sub

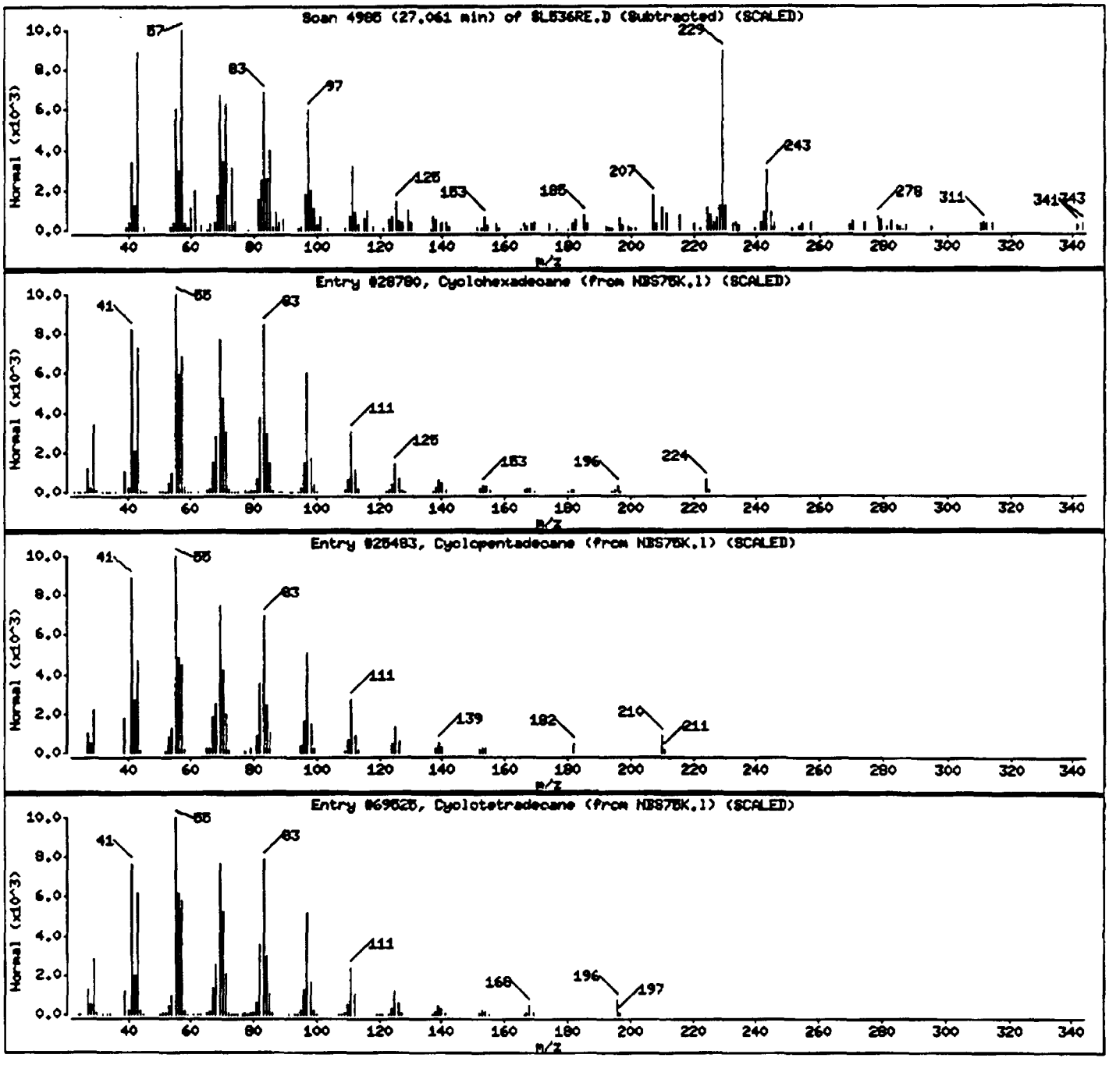
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Cyclohexadecane	295-65-8	NBS75K.l	28790	93	C16H32	224
Cyclopentadecane	295-48-7	NBS75K.l	25483	74	C15H30	210
Cyclotetradecane	295-17-0	NBS75K.l	69625	52	C14H28	196



Data File: \\qcanoh05\dd\chem\HSS\a4hp8.i\00929a.b\SL536RE.D

Date : 30-SEP-2000 05:29

Client ID: SL53-6*

Instrument: a4hp8.i

Sample Info: djrnq20u,00929a.b,olp31,1-olp90.sub

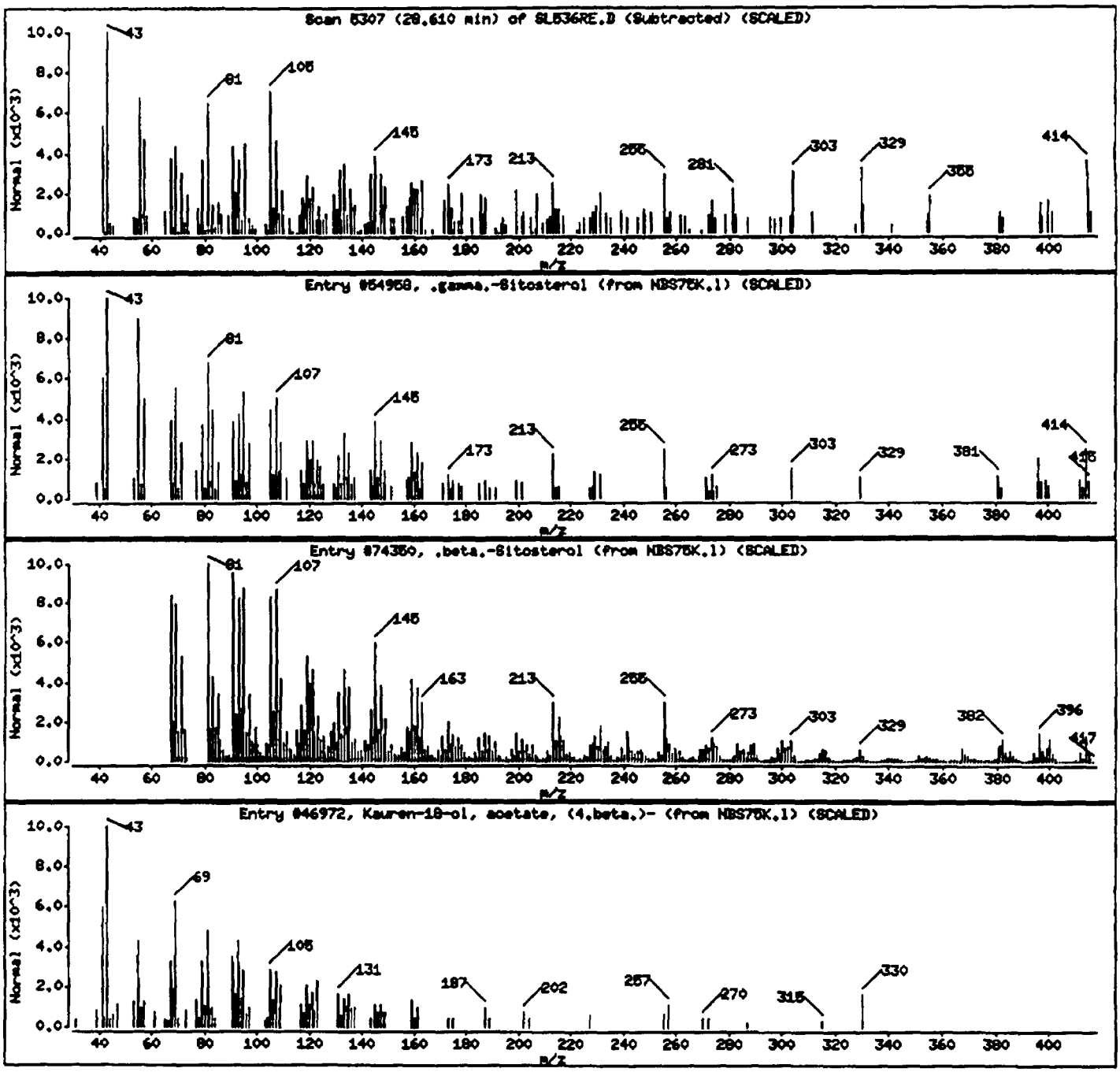
Volume Injected (uL): 2.0

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	64	C29H500	414
.beta.-Sitosterol	83-46-5	NBS75K.l	74350	49	C29H500	414
Kauren-18-ol, acetate, (4.beta.)-	72150-74-4	NBS75K.l	46972	30	C22H3402	330



RMT

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

Matrix: (soil/water) SO Lab Sample ID:A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl) ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitrosodi-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	430	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 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethyl phthalate	430	U
7005-72-3	4-Chlorophenyl phenyl ether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine	430	U
101-55-3	4-Bromophenyl phenyl ether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	**Phenanthrene**	**66**	**J**
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butyl phthalate	430	U
206-44-0	**Fluoranthene**	**110**	**J**
129-00-0	**Pyrene**	**110**	**J**
85-68-7	Butyl benzyl phthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	**Benzo(a)anthracene**	**74**	**J**
218-01-9	**Chrysene**	**100**	**J**

RMT

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

Matrix: (soil/water) SO Lab Sample ID:A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	**bis(2-Ethylhexyl) phthalate**	**4200**	**E**
117-84-0	Di-n-octyl phthalate	430	U
205-99-2	**Benzo(b)fluoranthene**	**120**	**J**
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(ghi)perylene	430	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
Base/Neutrals and Acids (CLP-OLM03.1)

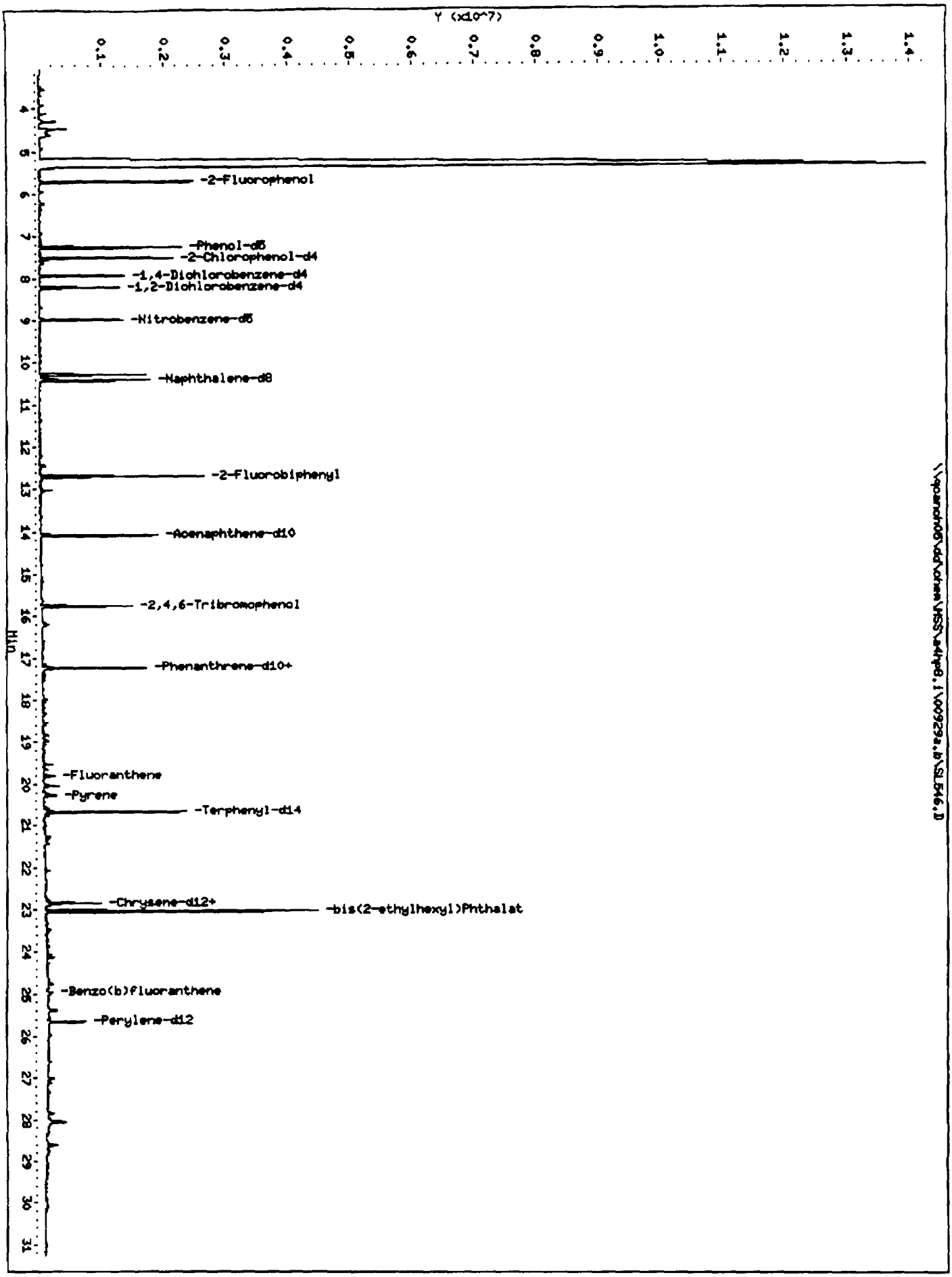
Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP010U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6"

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Hydrocarbon	16.202	92	J
	Unknown	18.962	92	J
	Unknown Aldol Condensate	5.3774	49000	JA
	Unknown	10.292	870	J
	Unknown	13.023	93	J
57-74-9	Chlordane	20.034	160	NJ
	Unknown	21.443	110	J
	Unknown Hydrocarbon	24.126	120	J
	Unknown Hydrocarbon	25.382	260	J
	Unknown	27.844	240	J
	Unknown	28.05	830	J
	Unknown	28.608	510	J
57-88-5	Cholesterol	27.007	180	NJ
	Unknown	27.103	130	J
	Unknown	27.324	120	J


Y (x10^7)
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+
-bis(2-ethylhexyl)Phthalat
-Benzo(b)fluoranthene
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D
Lab Smp Id: DJRP010U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 03:31
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp010u,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: 17
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	30.100	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)	305782	40.0000	
* 2 Naphthalene-d8	136	10.417	10.426	(1.000)	1238033	40.0000	
* 3 Acenaphthene-d10	164	14.081	14.095	(1.000)	706401	40.0000	
* 4 Phenanthrene-d10	188	17.226	17.240	(1.000)	1038911	40.0000	
* 5 Chrysene-d12	240	22.852	22.866	(1.000)	521019	40.0000	
* 6 Perylene-d12	264	25.656	25.665	(1.000)	371526	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.					

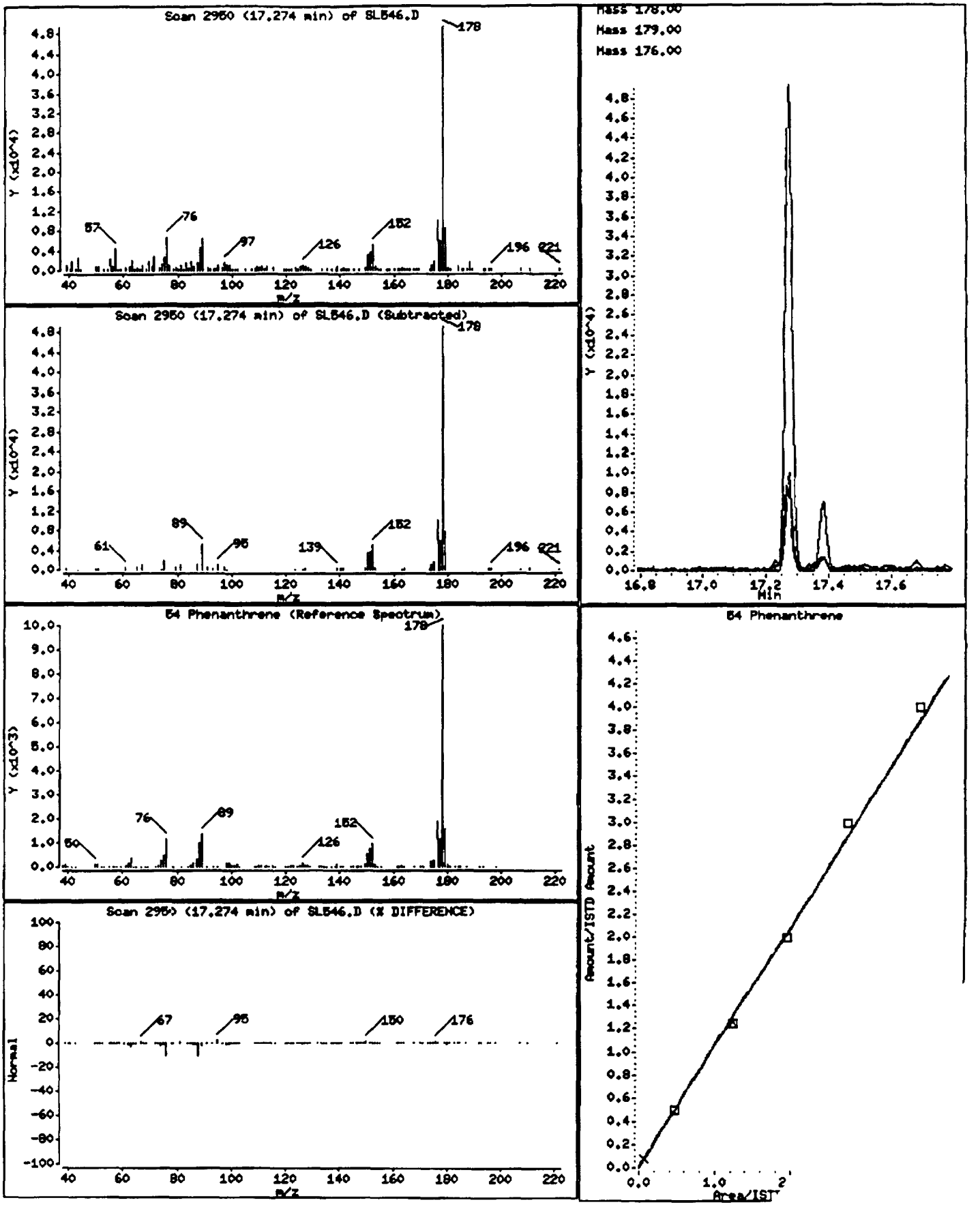
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	17.274	17.293	(1.003)	78133	3.01611	50(a)
55 Anthracene	178	Compound Not Detected.					
56 Carbazole	167	Compound Not Detected.					
57 Di-n-Butylphthalate	149	Compound Not Detected.					
58 Fluoranthene	202	19.798	19.813	(1.149)	130404	5.22948	87(a)
59 Pyrene	202	20.270	20.289	(0.887)	93778	5.10698	85(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	22.828	22.842	(0.999)	47940	3.39647	56(aH)
63 Chrysene	228	22.900	22.919	(1.002)	62295	4.58787	76(a)
64 bis(2-ethylhexyl)Phthalate	149	23.040	23.039	(1.008)	1926869	194.098	3200
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.958	24.977	(0.973)	72078	5.50345	91(a)
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	8.988	8.998	(0.863)	728883	57.7109	960
$ 73 2-Fluorobiphenyl	172	12.691	12.696	(0.901)	1336919	69.7516	1200
$ 74 Terphenyl-d14	244	20.679	20.683	(0.905)	1383613	109.367	1800
$ 75 Phenol-d5	99	7.267	7.262	(0.915)	1355580	99.2548	1600
$ 76 2-Fluorophenol	112	5.714	5.670	(0.720)	935315	92.3374	1500
$ 77 2,4,6-Tribromophenol	330	15.754	15.764	(0.915)	289455	122.158	2000(Q)
$ 78 2-Chlorophenol-d4	132	7.522	7.517	(0.947)	896005	100.104	1700(Q)
$ 79 1,2-Dichlorobenzene-d4	152	8.219	8.223	(1.035)	289218	47.4613	790

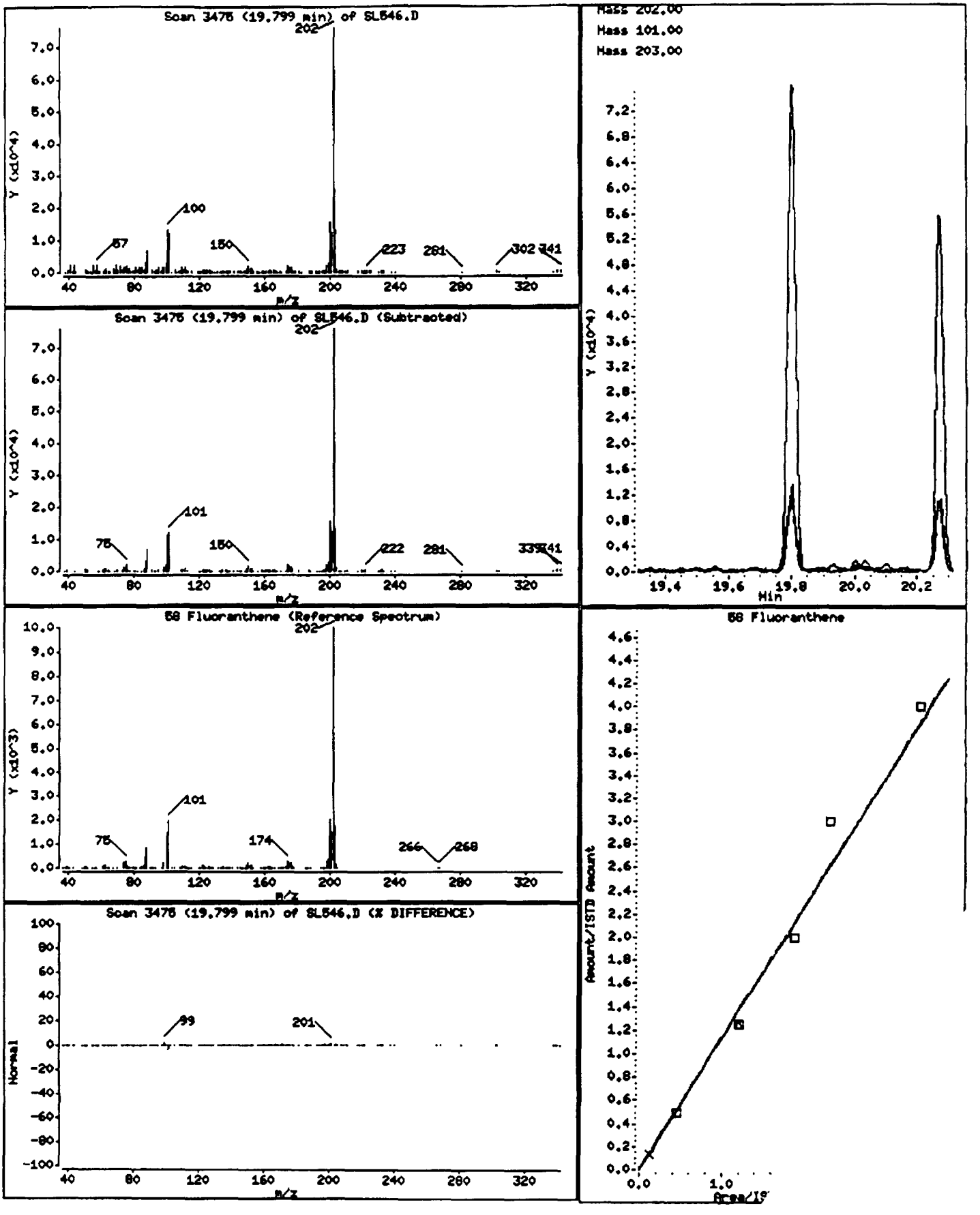
QC Flag Legend

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

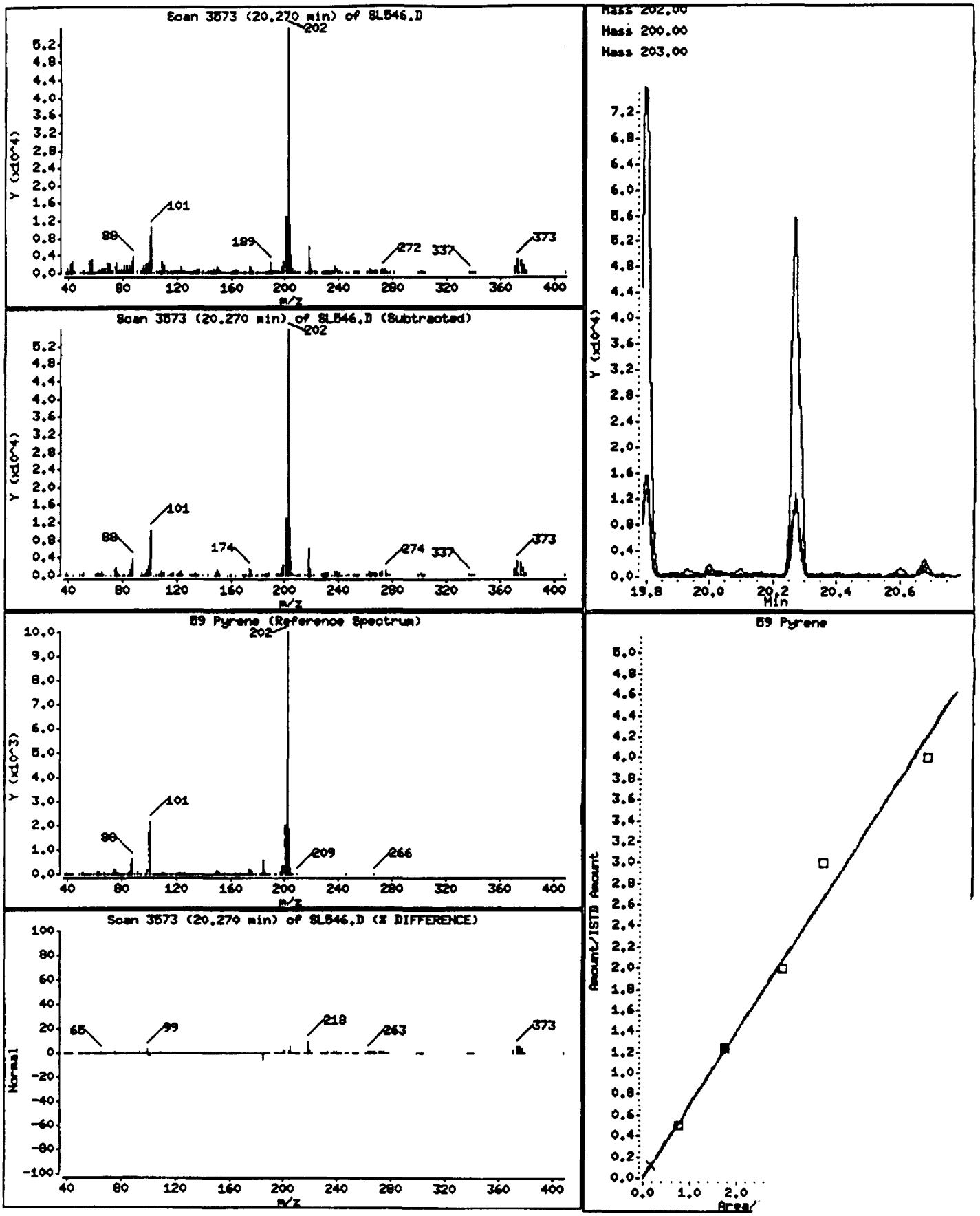
B4 Phenanthrene



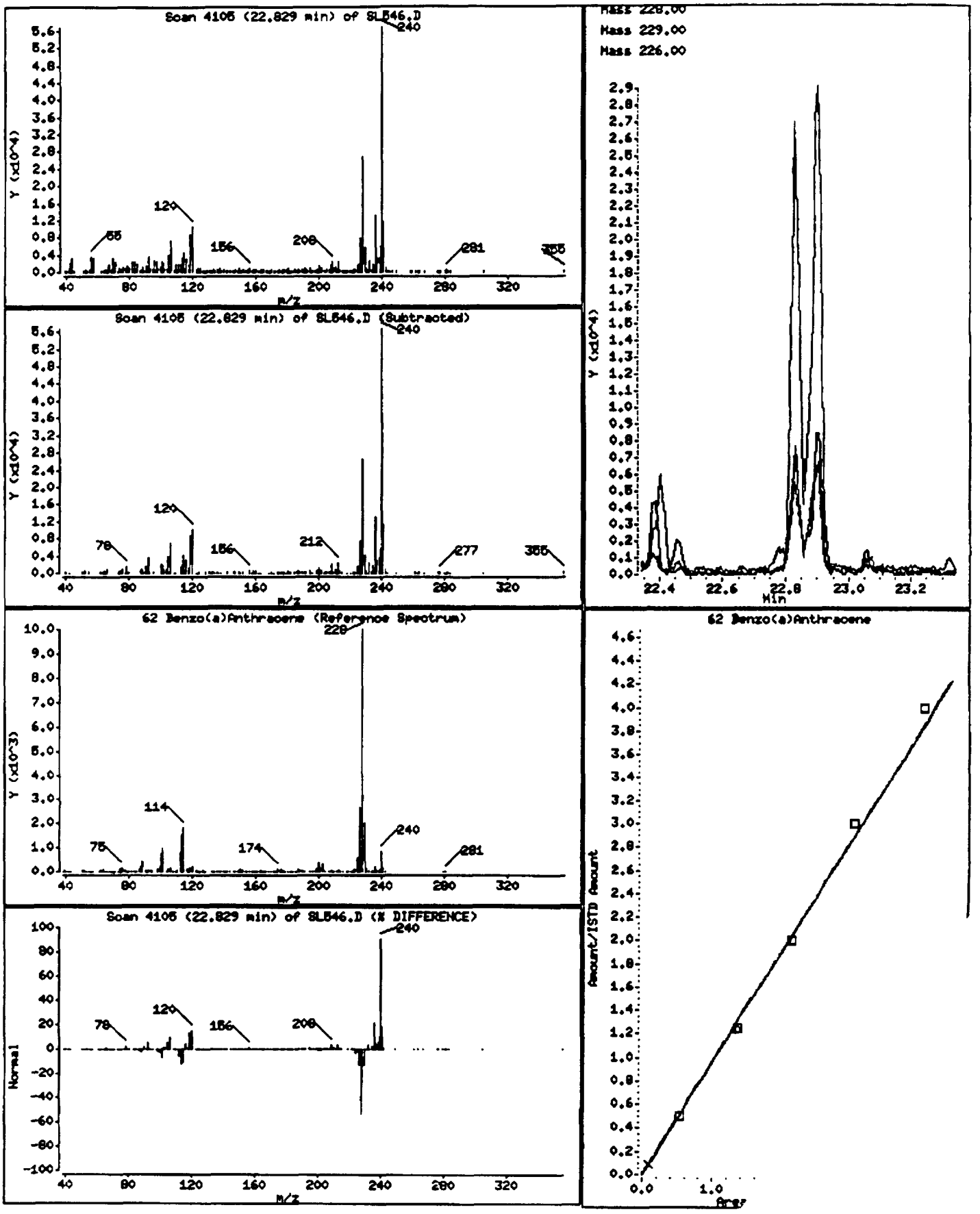
58 Fluoranthene



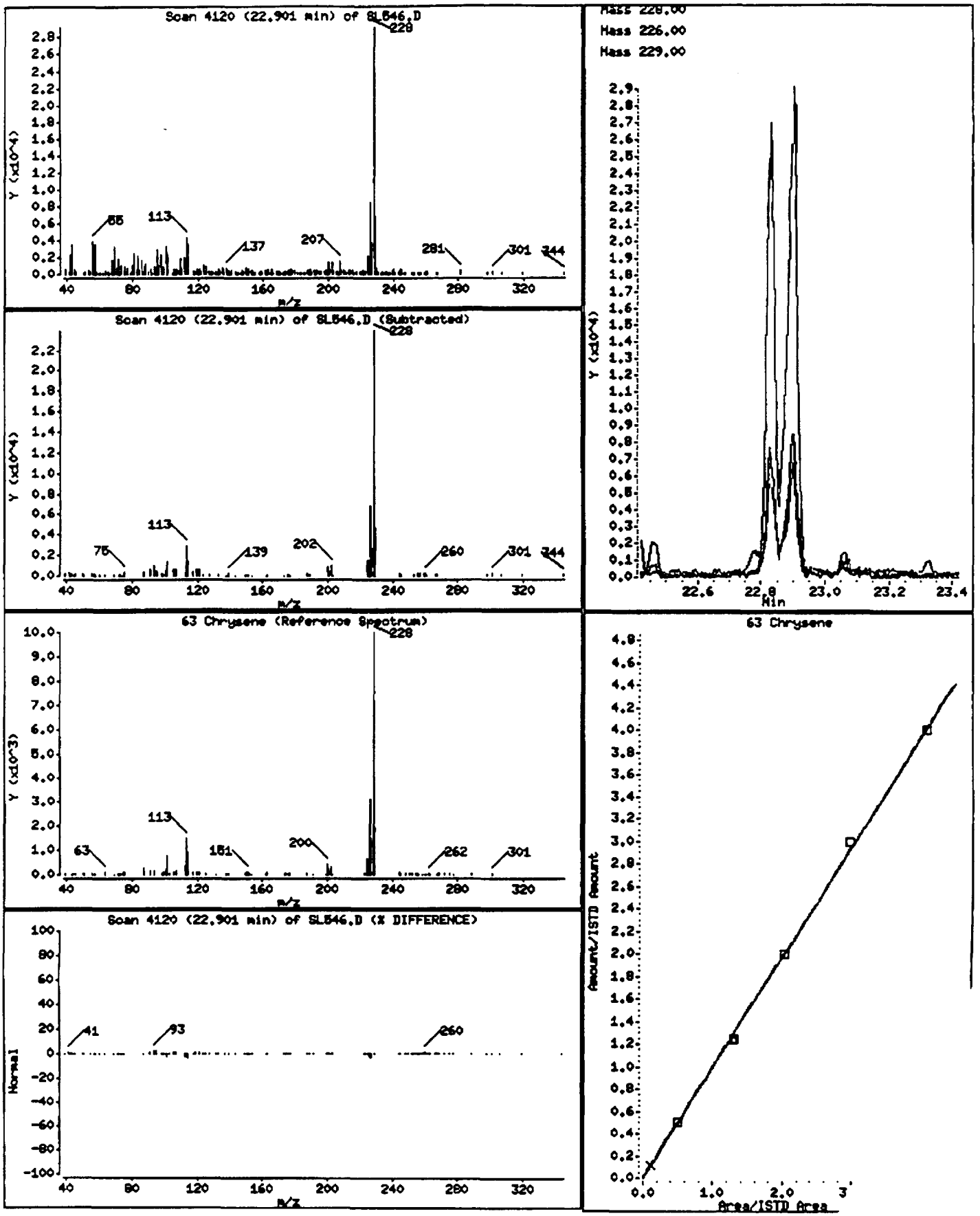
59 Pyrene


Scan 3573 (20.270 min) of SL546.D
202
101
89
189
272
337
373
Y (x10^4)
m/z
Scan 3573 (20.270 min) of SL546.D (Subtracted)
202
101
89
174
274
337
373
Y (x10^4)
m/z
59 Pyrene (Reference Spectrum)
202
101
89
209
266
Y (x10^3)
m/z
Scan 3573 (20.270 min) of SL546.D (% DIFFERENCE)
65
99
218
263
373
Normal
m/z
Mass 202.00
Mass 200.00
Mass 203.00
Y (x10^4)
Min
59 Pyrene
Amount/ISTD Amount
Area/

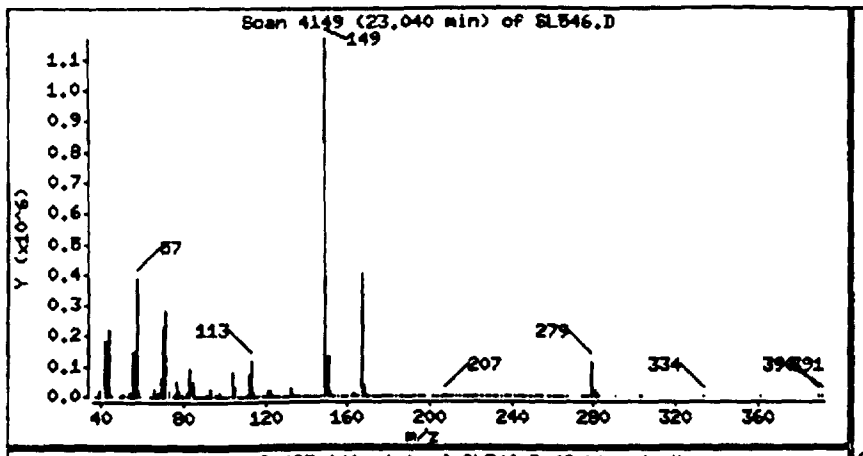
62 Benzo(a)Anthracene

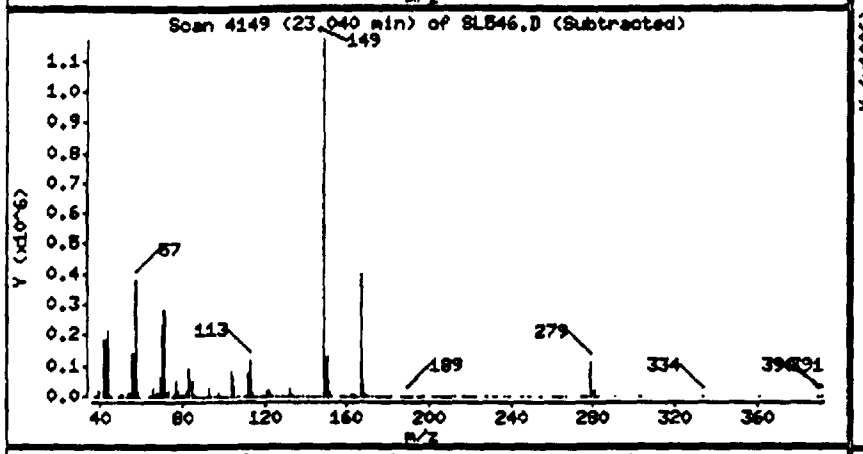


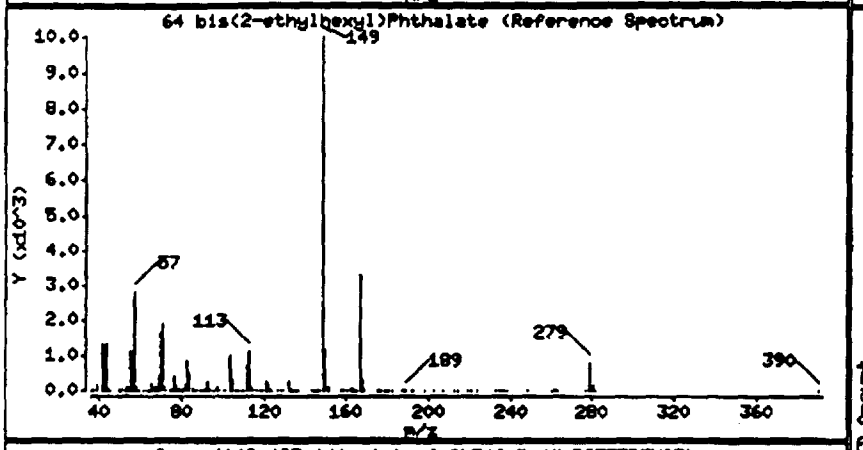
63 Chrysene

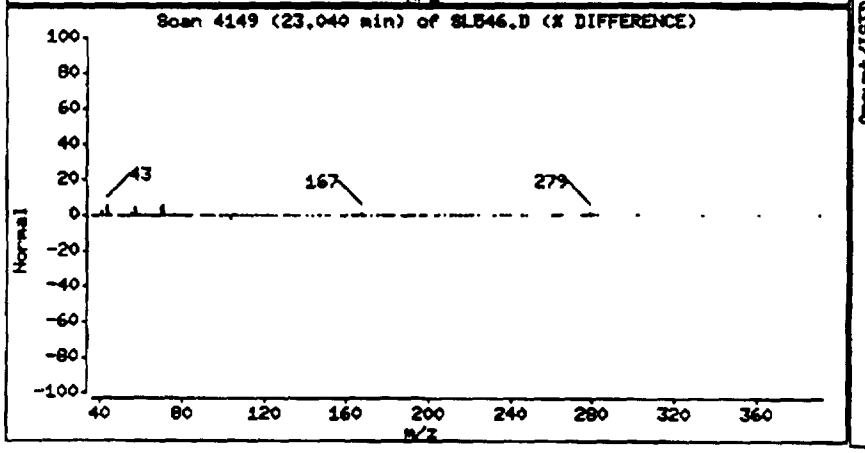

Scan 4120 (22.901 min) of SL546.D
Y (x10^4)
m/z
Scan 4120 (22.901 min) of SL546.D (Subtracted)
Y (x10^4)
m/z
63 Chrysene (Reference Spectrum)
Y (x10^3)
m/z
Scan 4120 (22.901 min) of SL546.D (% DIFFERENCE)
Normal
m/z
Mass 228.00
Mass 226.00
Mass 229.00
Y (x10^4)
Min
63 Chrysene
Amount/ISTD Amount
Area/ISTD Area

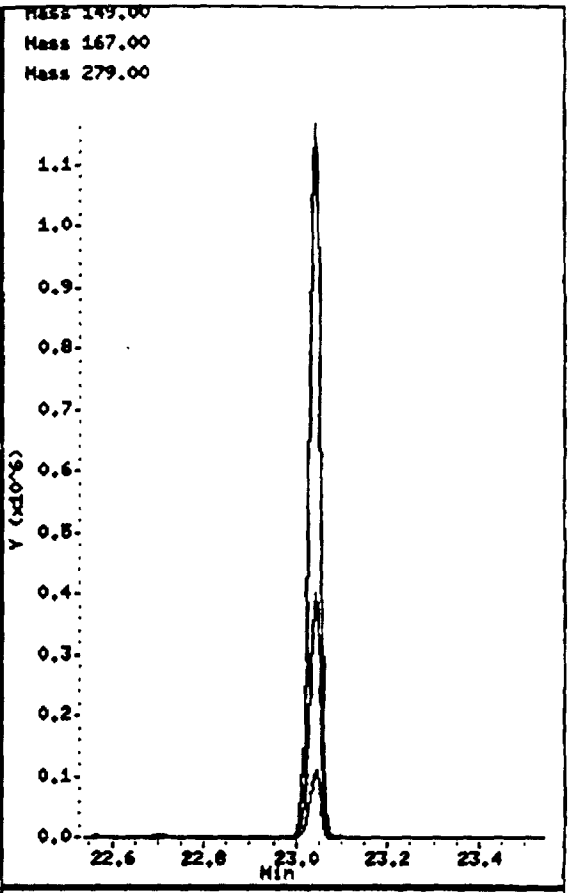
64 bis(2-ethylhexyl)Phthalate

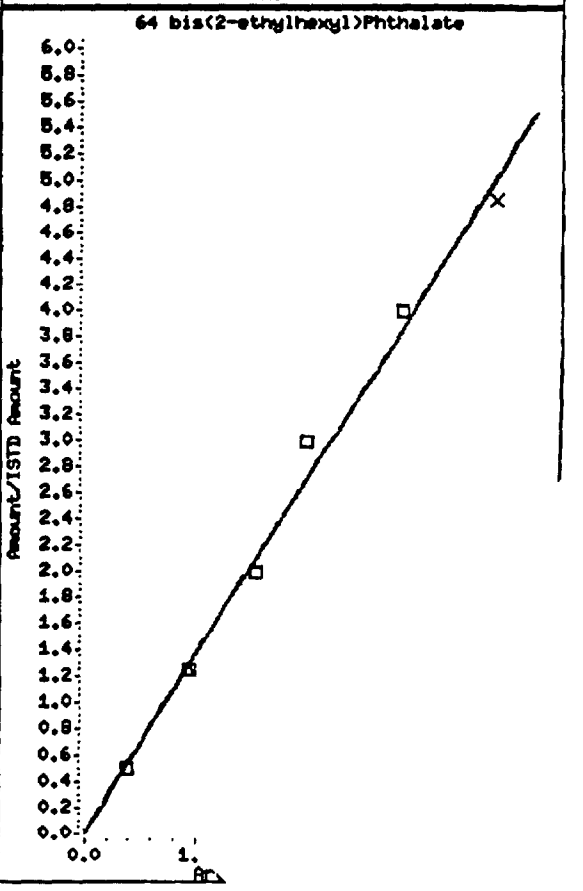












North Canton

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D
Lab Smp Id: DJRP010U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 03:31
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp010u,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: 17
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	30.100	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.940	2032427	40.000
* 2 Naphthalene-d8	10.417	2686666	40.000
* 3 Acenaphthene-d10	14.081	3021262	40.000
* 4 Phenanthrene-d10	17.226	2894796	40.000
* 5 Chrysene-d12	22.853	1878000	40.000
* 6 Perylene-d12	25.656	1120677	40.000

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.377	1.125e+008	2214.14819	37000	99		0	1
Unknown					CAS #:		
10.292	2690063	40.0505757	660	0		0	2
Unknown					CAS #:		
13.023	322851	4.27438600	71	0		0	3
Unknown Hydrocarbon					CAS #:		
16.202	305182	4.21696928	70	99		0	4
Unknown					CAS #:		
18.962	305006	4.21454527	70	0		0	4
Chlordane					CAS #: 57-74-9		
20.035	521335	7.20375944	120	99	NBS75K.1	54342	4
Unknown					CAS #:		
21.444	225578	4.80465283	80	0		0	5
Unknown Hydrocarbon					CAS #:		
24.127	251643	5.35981277	89	99		0	5
Unknown Hydrocarbon					CAS #:		
25.382	343463	12.2591063	200	99		0	6
Cholesterol					CAS #: 57-88-5		
27.007	244969	8.74361245	140	95	NBS75K.1	74137	6
Unknown					CAS #:		
27.104	173817	6.20399988	100	0		0	6
Unknown					CAS #:		
27.325	156301	5.57879777	93	0		0	6
Unknown					CAS #:		
27.844	301493	10.7610784	180	0		0	6
Unknown					CAS #:		
28.051	1060513	37.8525689	630	0		0	6
Unknown					CAS #:		
28.609	655898	23.4107700	390	0		0	6

Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,1-clp90.sub

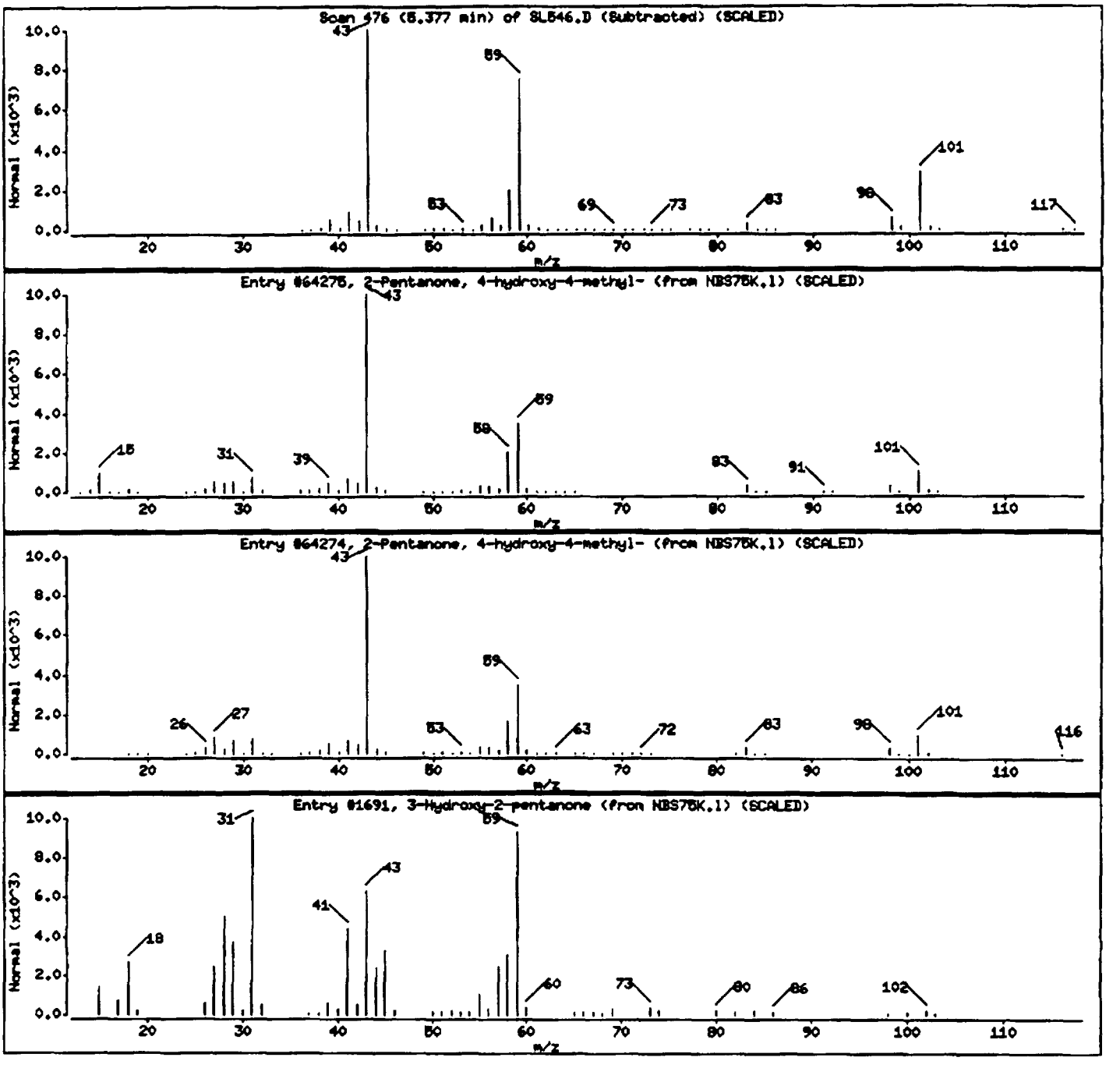
Volume Injected (uL): 2.0

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.l	64275	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64274	64	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.l	1691	40	C5H10O2	102



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90.sub

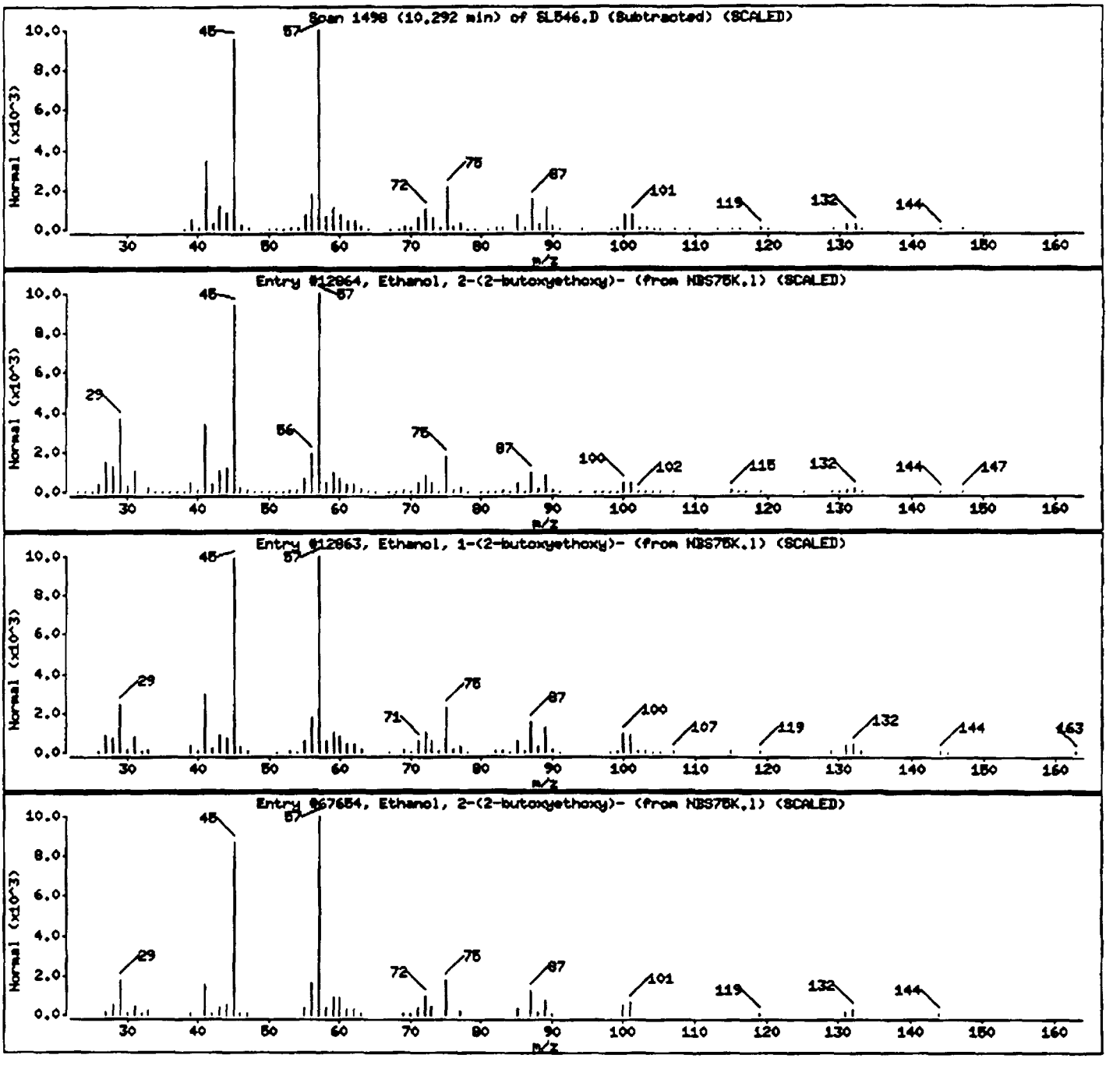
Volume Injected (uL): 2.0

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	C6H1403	162
Ethanol, 1-(2-butoxyethoxy)-	54446-78-5	NBS75K.l	12863	90	C6H1403	162
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	NBS75K.l	67654	83	C6H1403	162



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp910u,00929a.b,olp31,1-olp90.sub

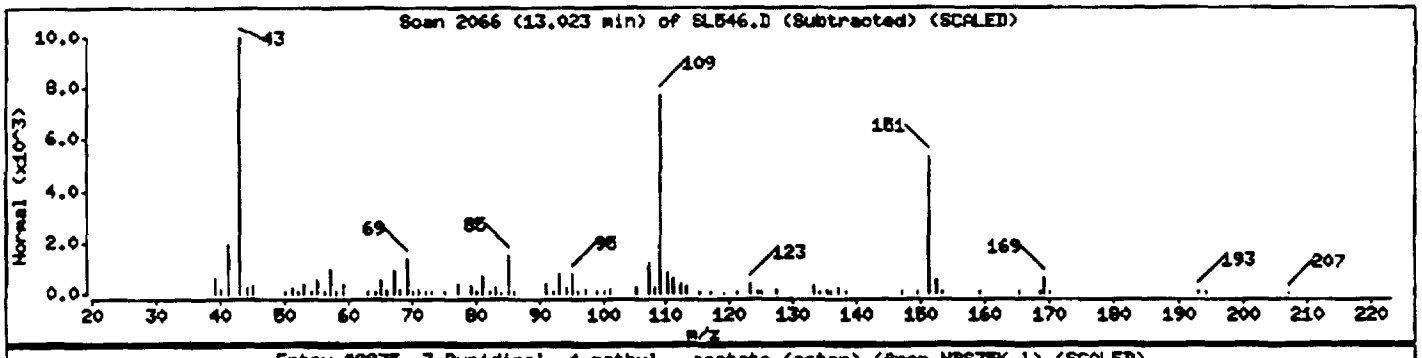
Volume Injected (uL): 2.0

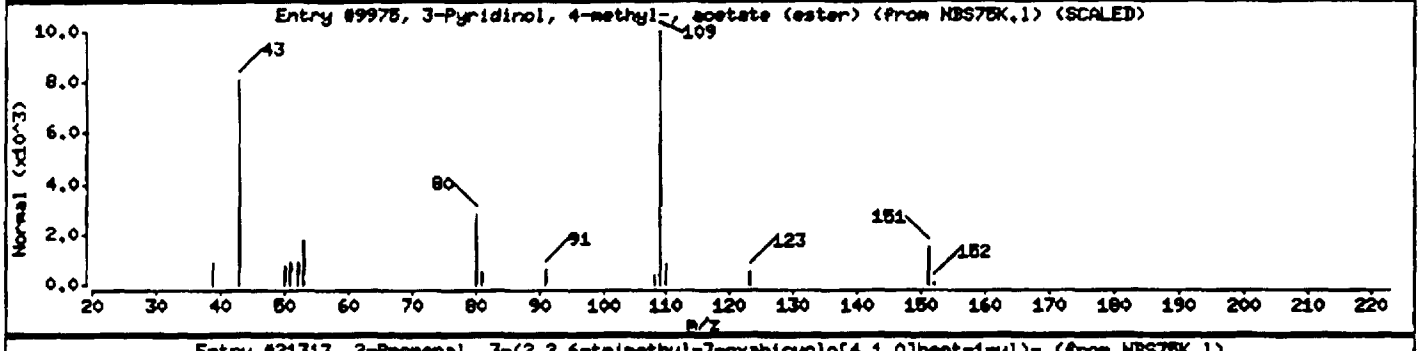
Operator: 001874

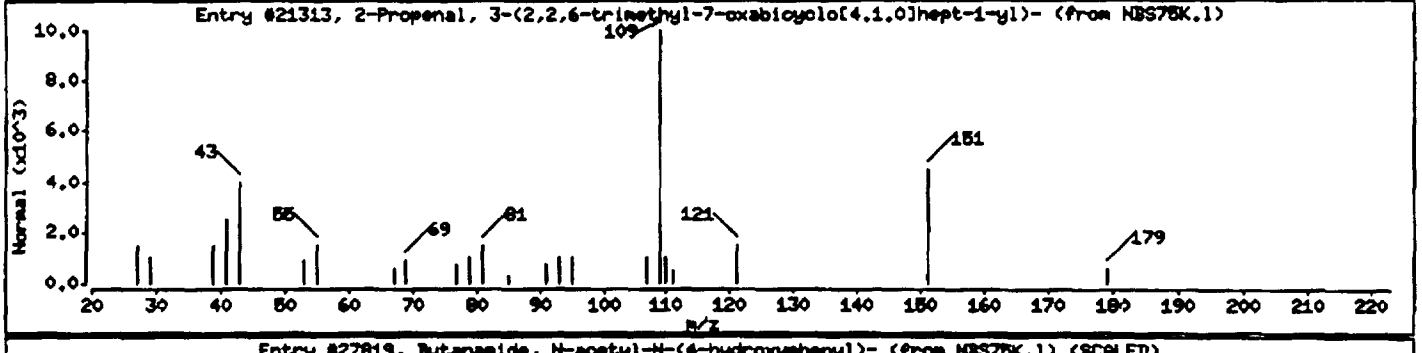
Column phase:

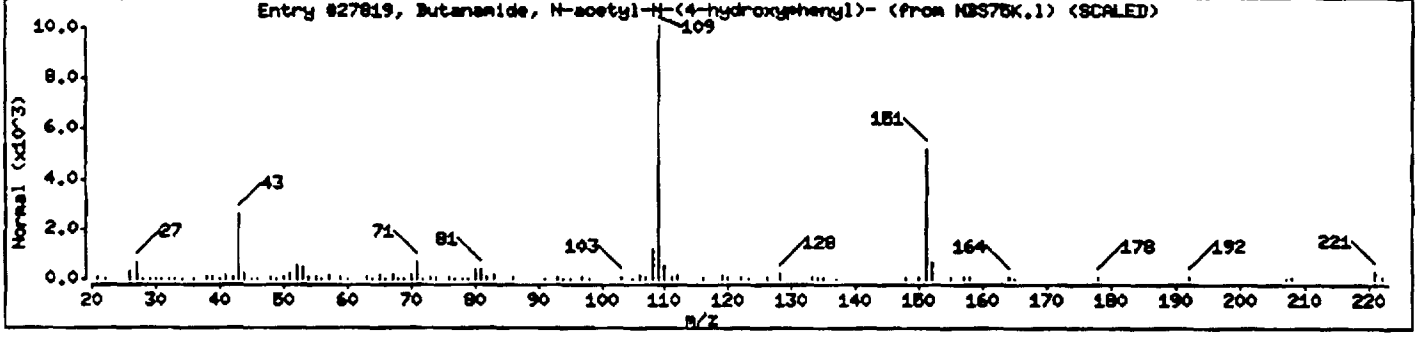
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Pyridinol, 4-methyl-, acetate (ester)	1006-96-8	NBS75K.l	9975	59	C8H9NO2	151
2-Propenal, 3-(2,2,6-trimethyl-7-oxabicy	55789-91-6	NBS75K.l	21313	56	C12H18O2	194
Butanamide, N-acetyl-N-(4-hydroxyphenyl)	0-00-0	NBS75K.l	27819	48	C12H15NO3	221









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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90,sub

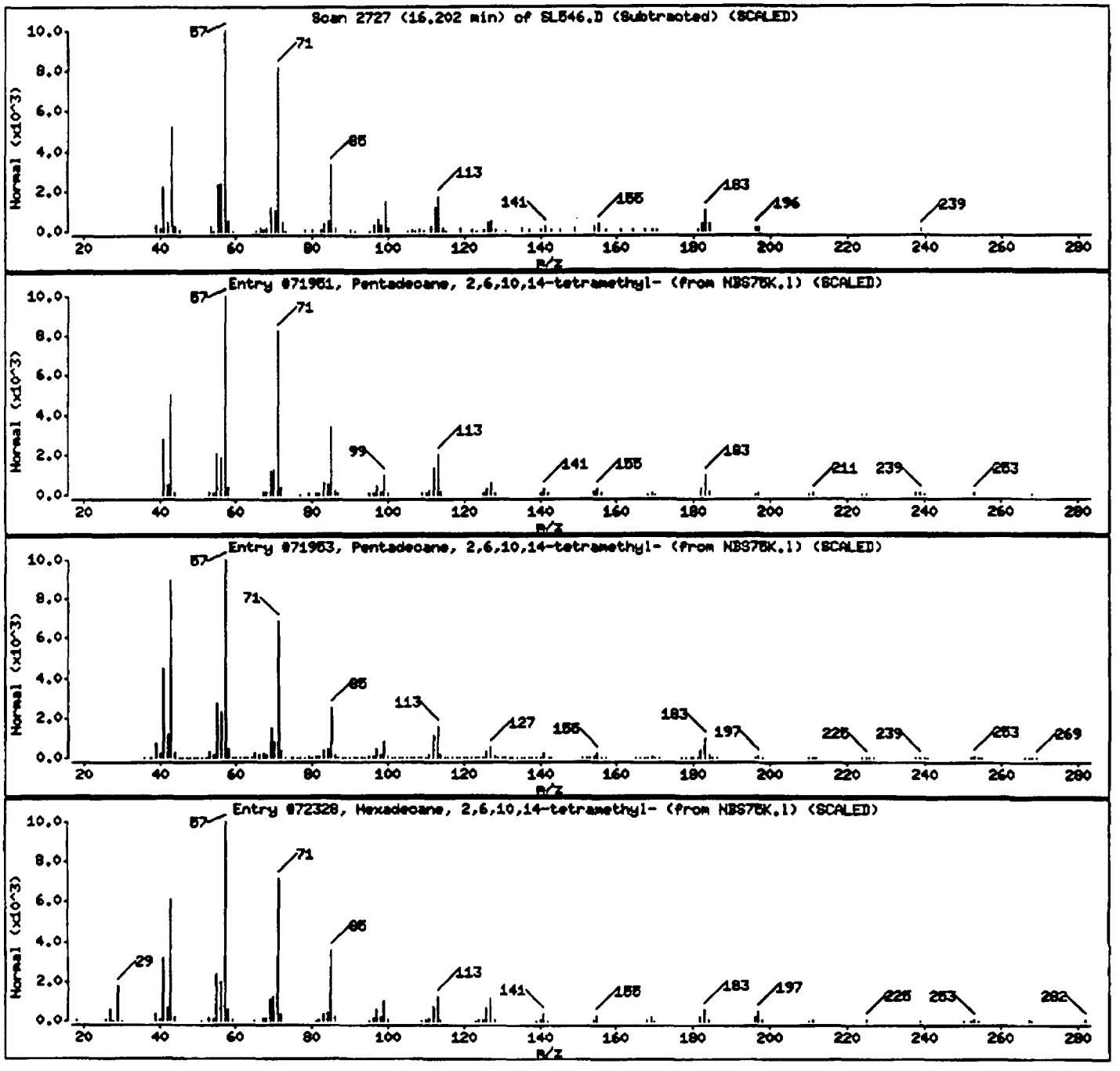
Volume Injected (uL): 2.0

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	90	C19H40	268
Pentadecane, 2,6,10,14-tetramethyl-	1921-70-6	NBS75K.l	71953	90	C19H40	268
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NBS75K.l	72328	83	C20H42	282



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Date : 30-SEP-2000 03:31

Client ID: SL54-6"

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,1-clp90.sub

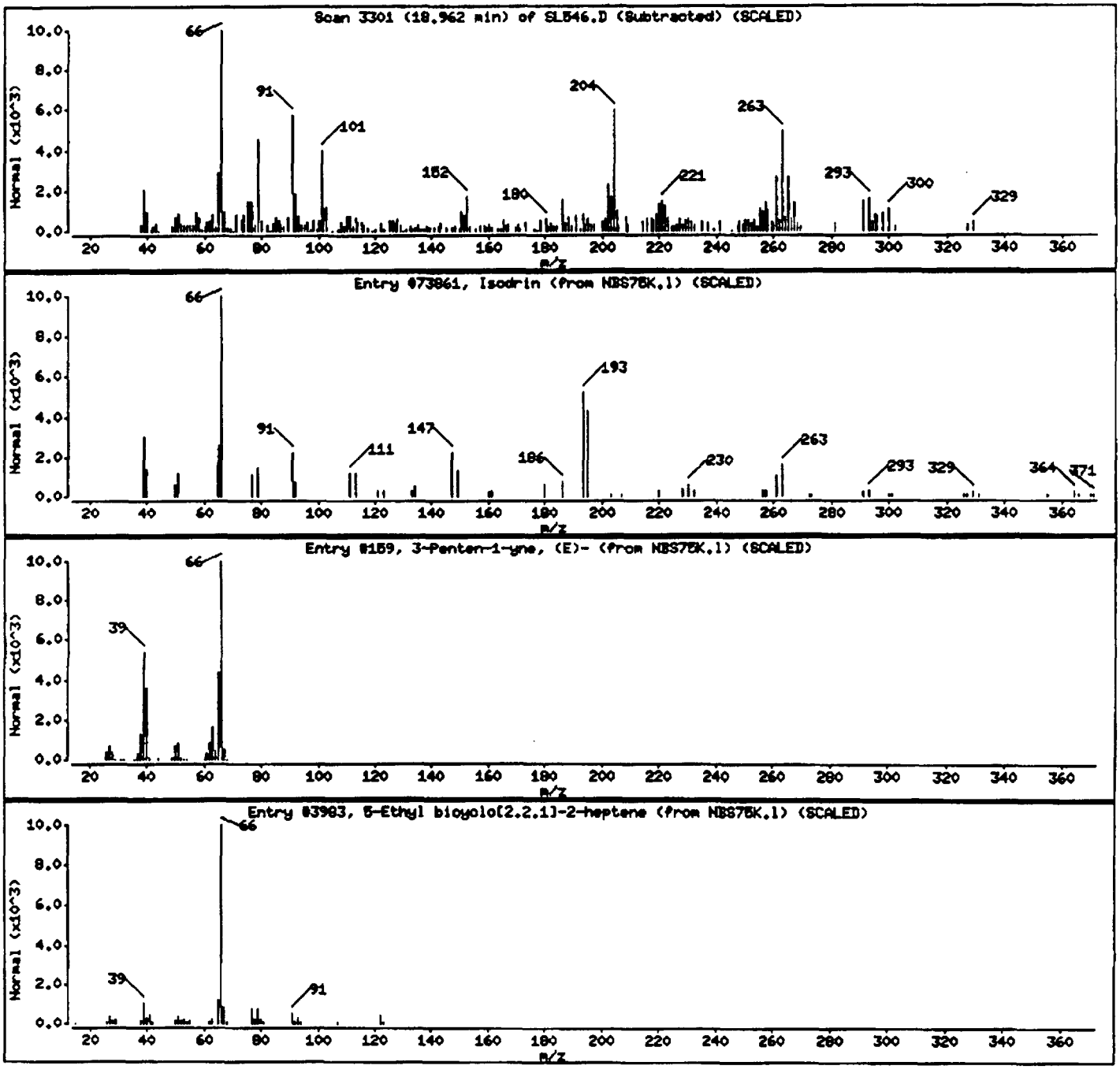
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Isodrin	465-73-6	NBS75K.l	73861	59	C12H8Cl6	362
3-Penten-1-yne, (E)-	2004-69-5	NBS75K.l	159	49	C5H6	66
5-Ethyl bicyclo[2.2.1]-2-heptene	15403-89-1	NBS75K.l	3983	47	C9H14	122



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Date : 30-SEP-2000 03:31

Client ID: SL54-6*

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,1-clp90.sub

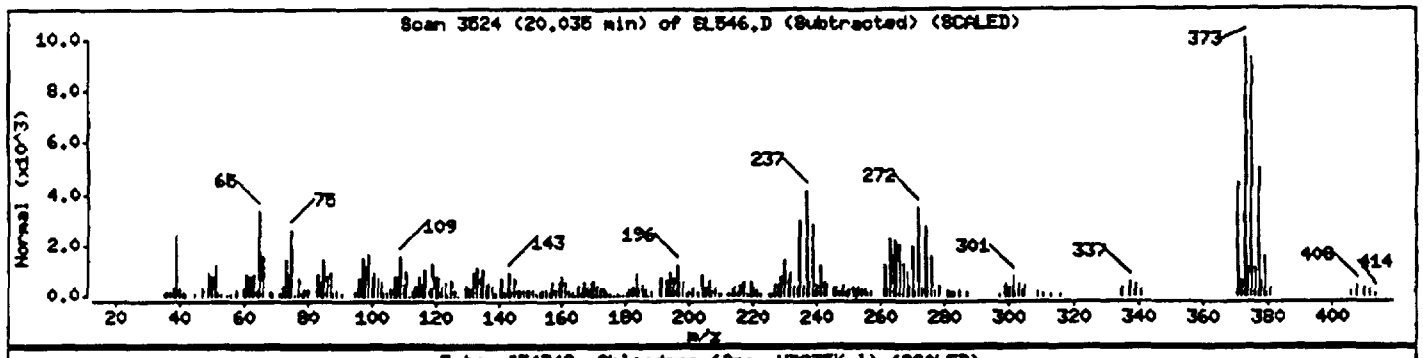
Volume Injected (uL): 2.0

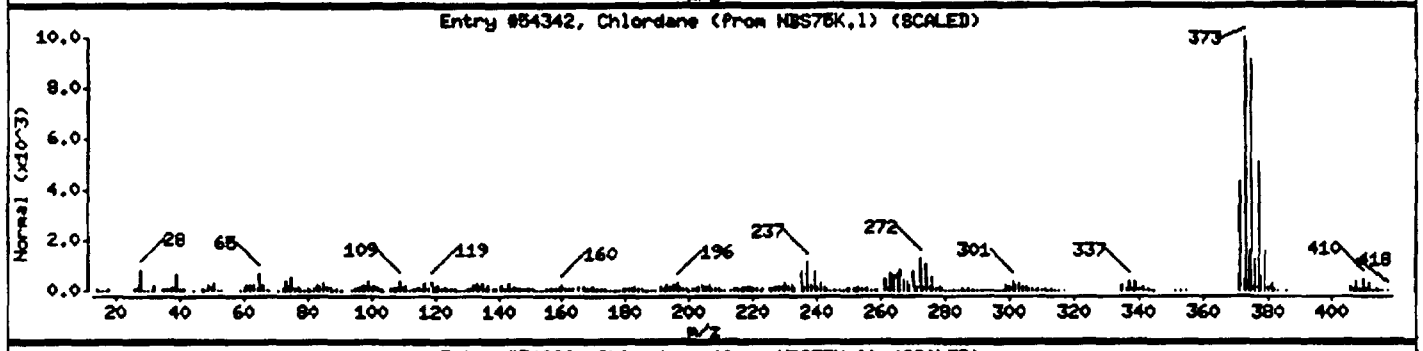
Operator: 001574

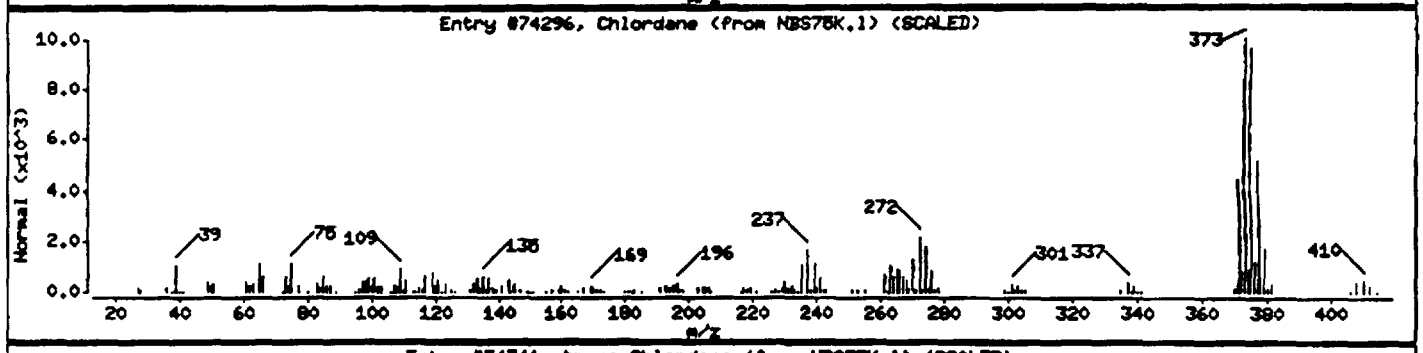
Column phase:

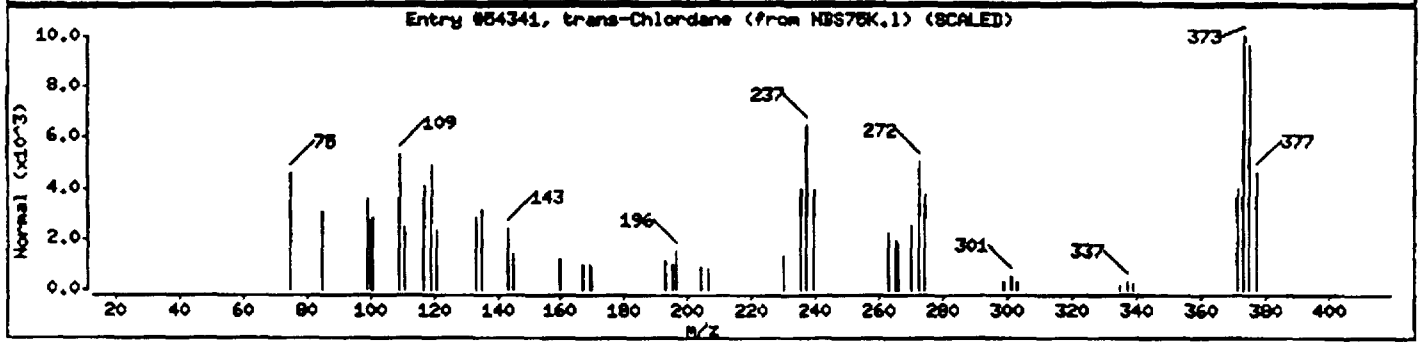
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Chlordane	57-74-9	NBS75K.l	54342	99	C10H6Cl8	406
Chlordane	57-74-9	NBS75K.l	74296	99	C10H6Cl8	406
trans-Chlordane	5103-74-2	NBS75K.l	54341	90	C10H6Cl8	406









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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,1-clp90.sub

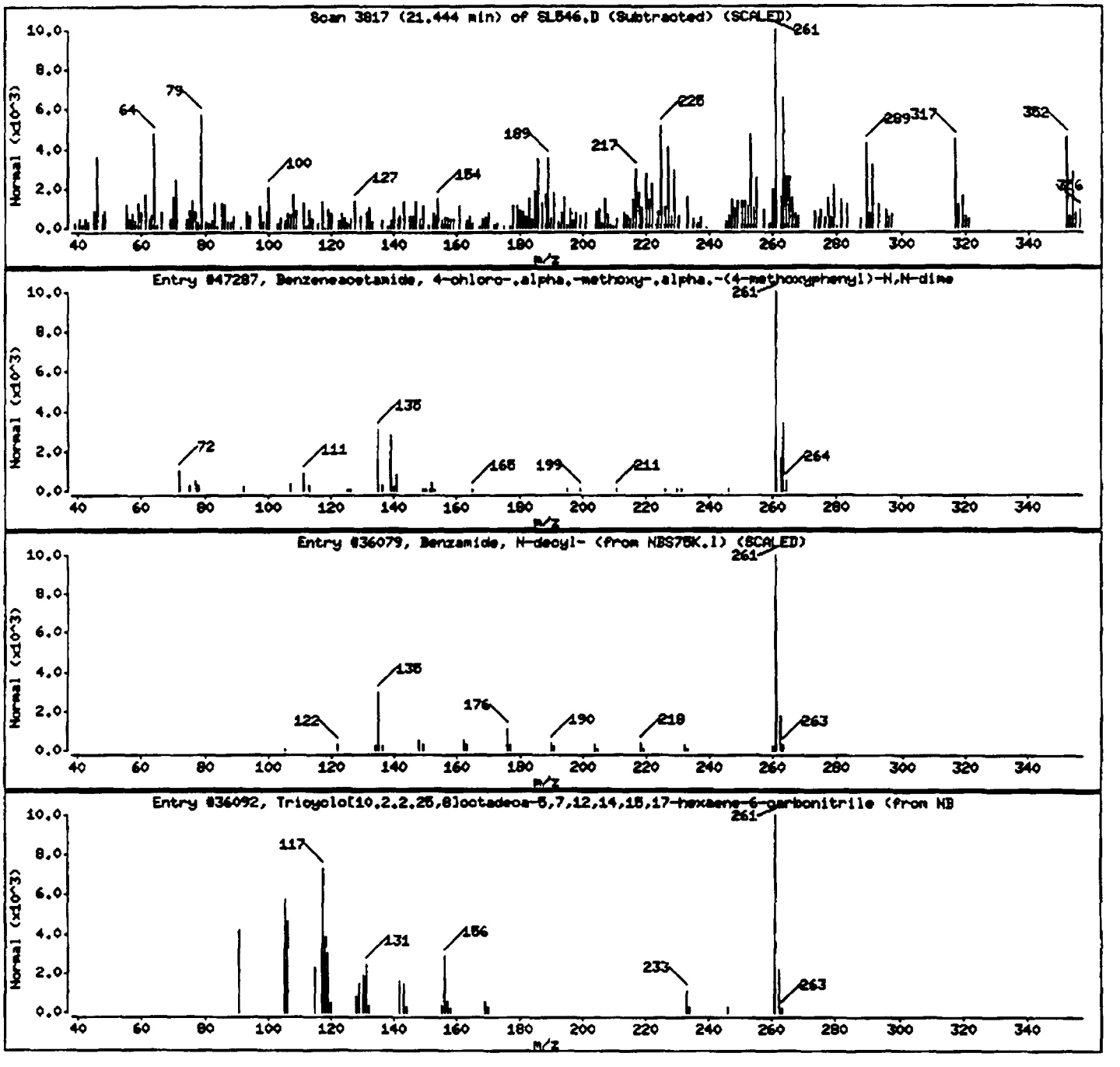
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzeneacetamide, 4-chloro-.alpha.-metho	63963-35-5	NBS75K.l	47287	14	C18H20ClNO3	333
Benzamide, N-decyl-	53044-19-2	NBS75K.l	36079	11	C17H27NO	261
Tricyclo[10.2.2.25,8]octadeca-5,7,12,14,	24770-03-4	NBS75K.l	36092	11	C19H19N	261



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90,sub

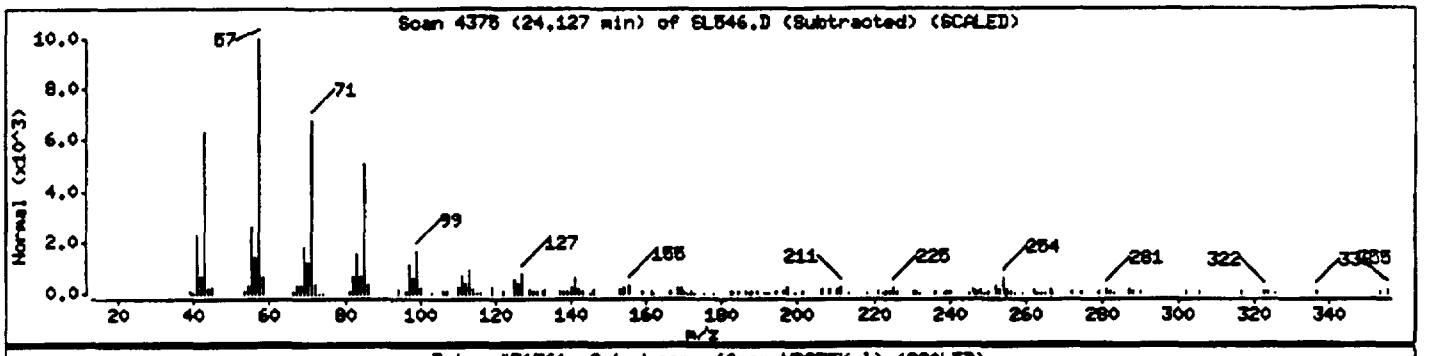
Volume Injected (uL): 2.0

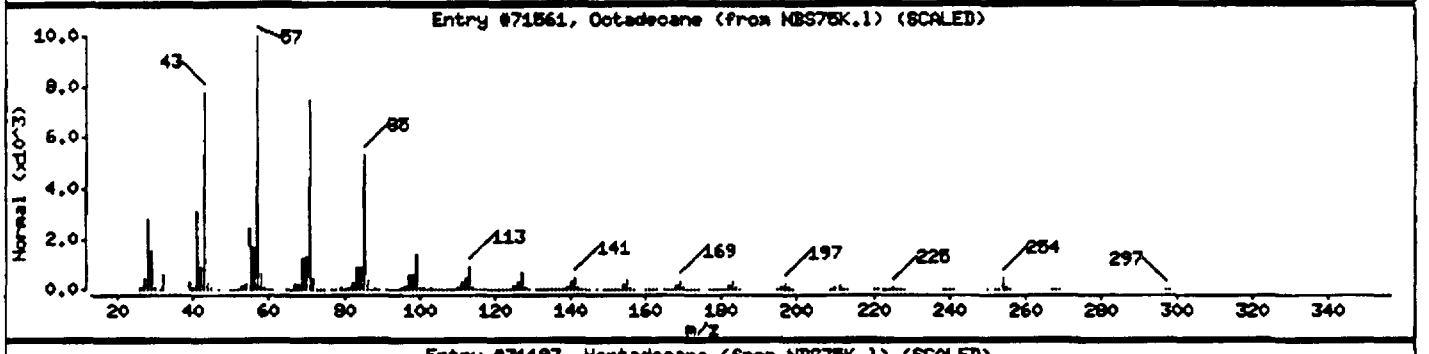
Operator: 001574

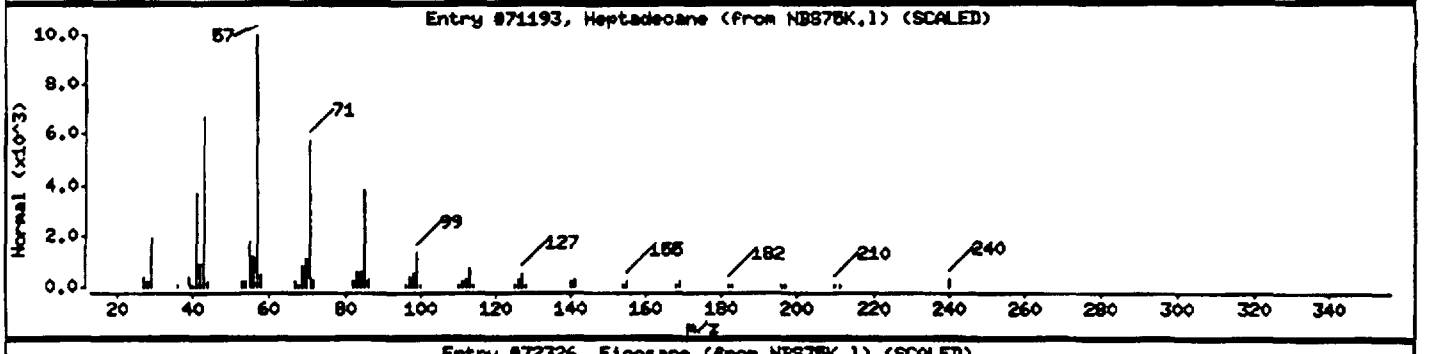
Column phase:

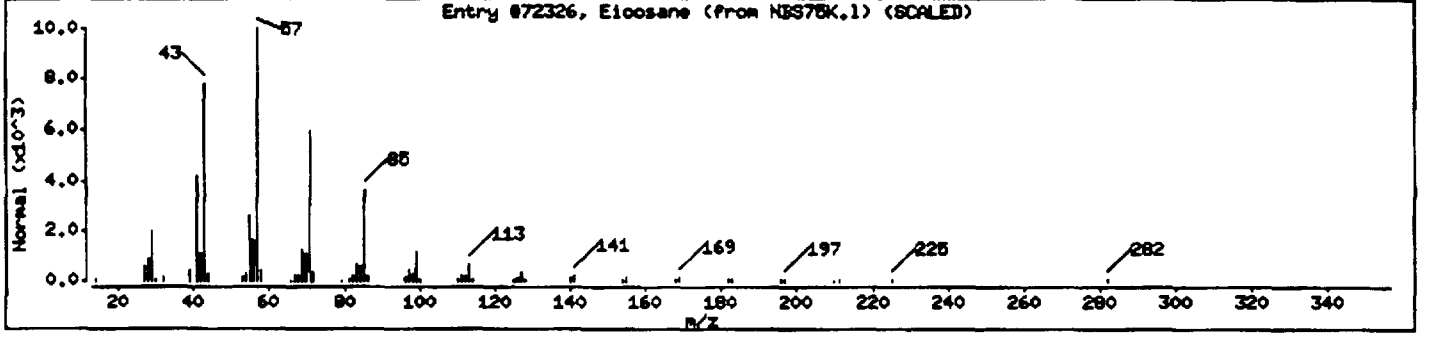
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Octadecane	593-45-3	NBS75K.l	71561	96	C18H38	254
Heptadecane	629-78-7	NBS75K.l	71193	95	C17H36	240
Eicosane	112-95-8	NBS75K.l	72326	91	C20H42	282









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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90,sub

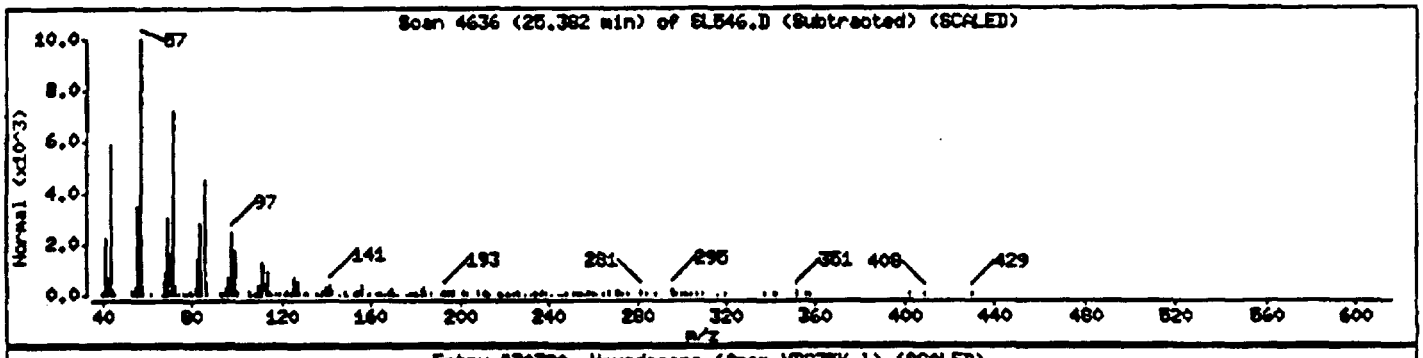
Volume Injected (uL): 2.0

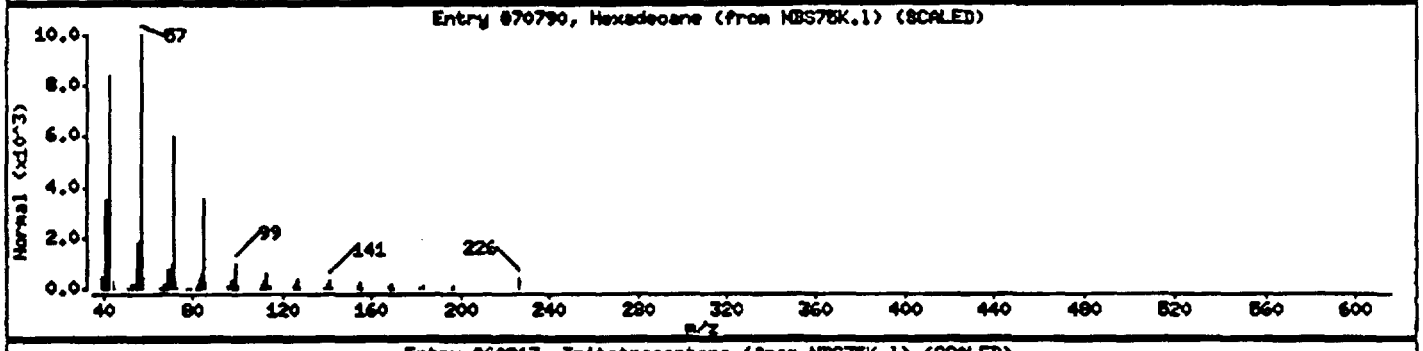
Operator: 001574

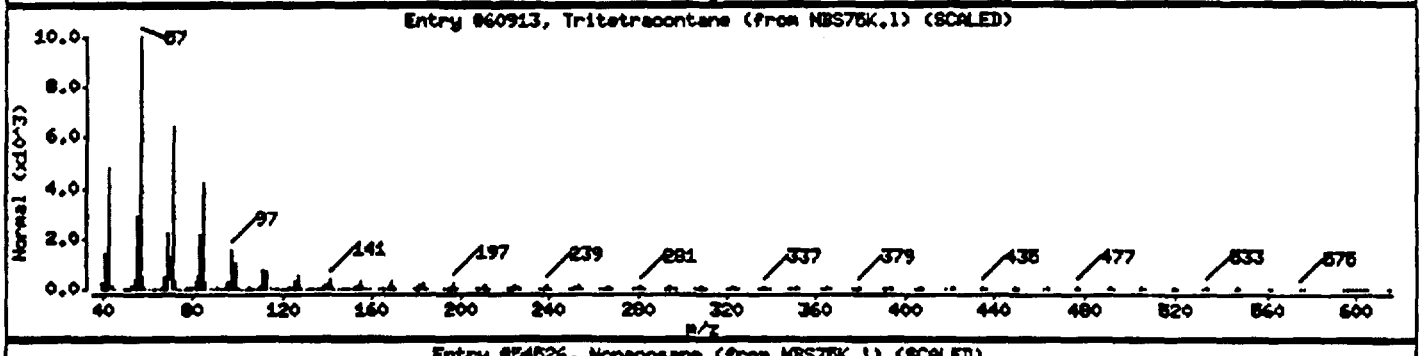
Column phase:

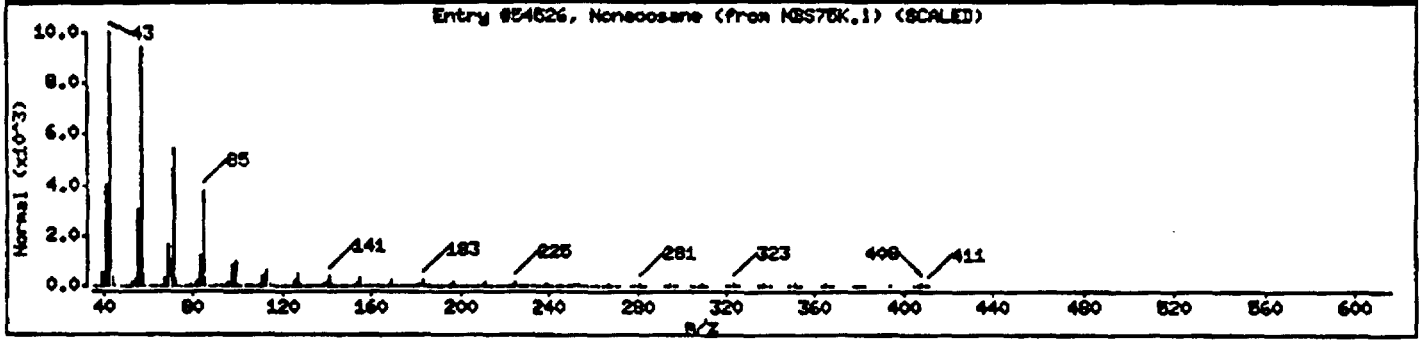
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Hexadecane	544-76-3	NBS75K.l	70790	91	C16H34	226
Tritetracontane	7098-21-7	NBS75K.l	60913	87	C43H88	606
Nonacosane	630-03-5	NBS75K.l	54626	81	C29H60	408









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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90,sub

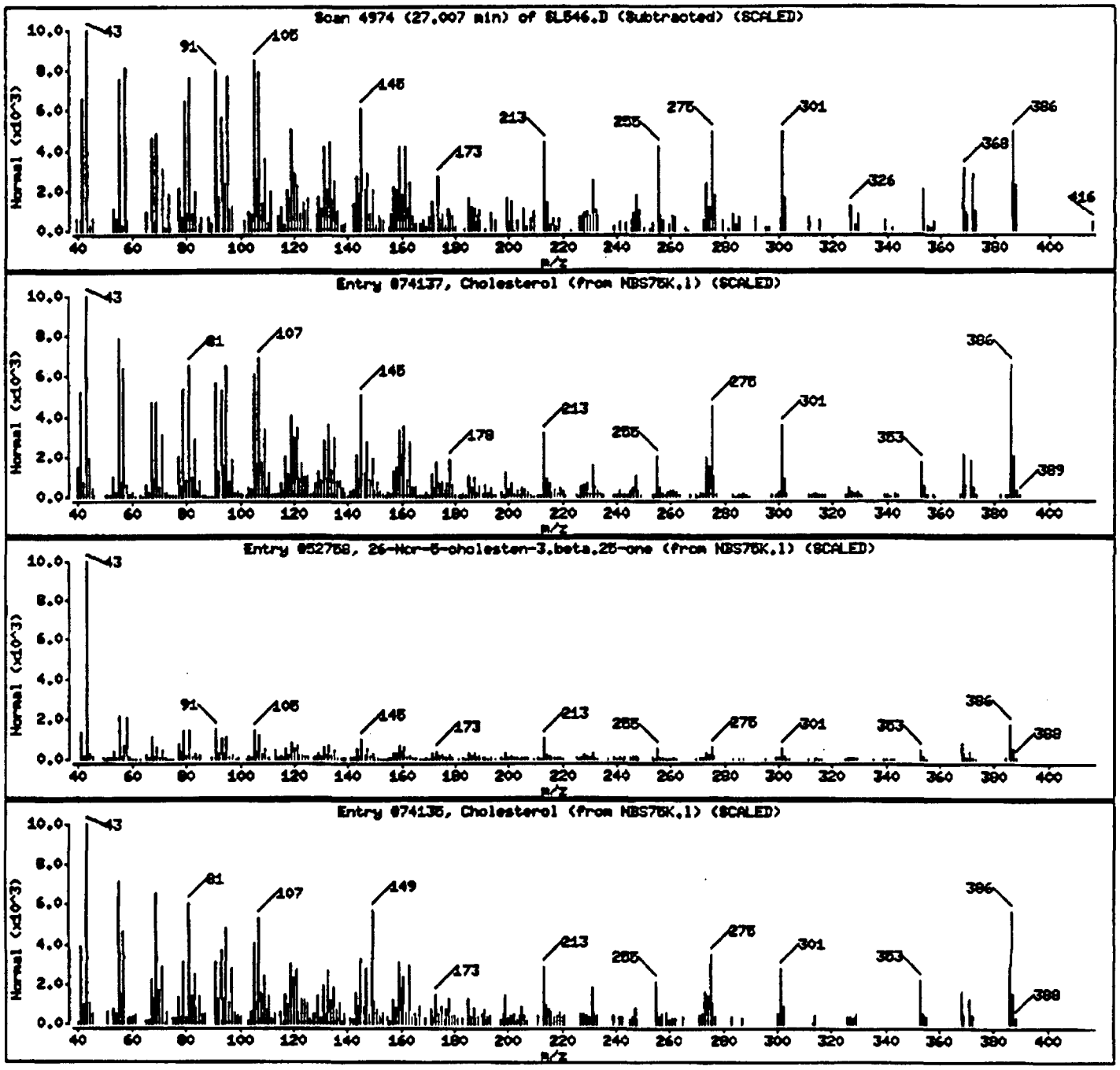
Volume Injected (uL): 2.0

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
26-Nor-5-cholesten-3.beta.25-one	0-00-0	NBS75K.1	52768	81	C26H42O2	386
Cholesterol	57-88-5	NBS75K.1	74135	81	C27H46O	386



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,1-olp90,sub

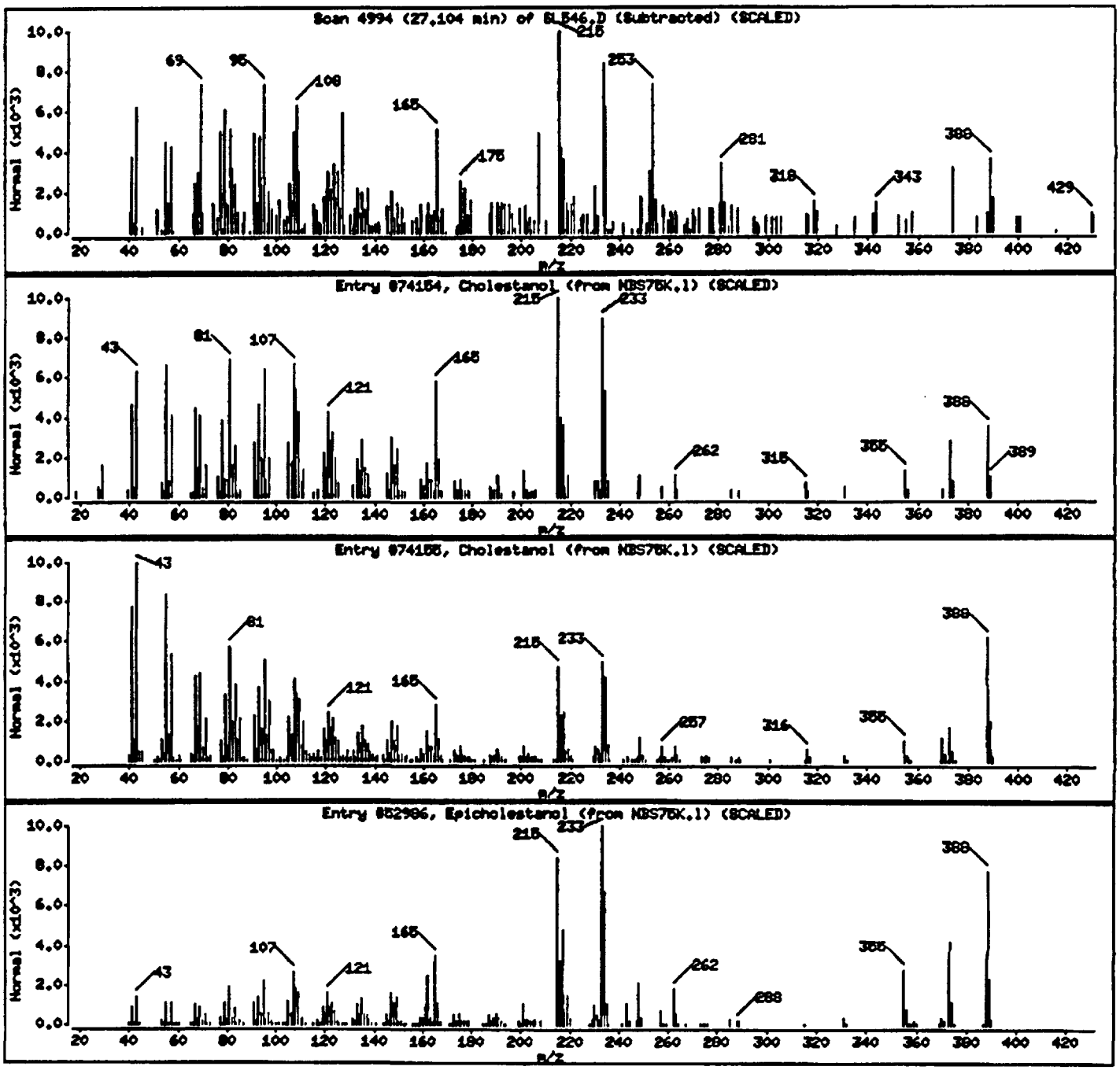
Volume Injected (uL): 2.0

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.1	74154	83	C27H48O	388
Cholestanol	80-97-7	NBS75K.1	74155	68	C27H48O	388
Epicholestanol	516-95-0	NBS75K.1	52986	58	C27H48O	388



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,olp31,i-olp90.sub

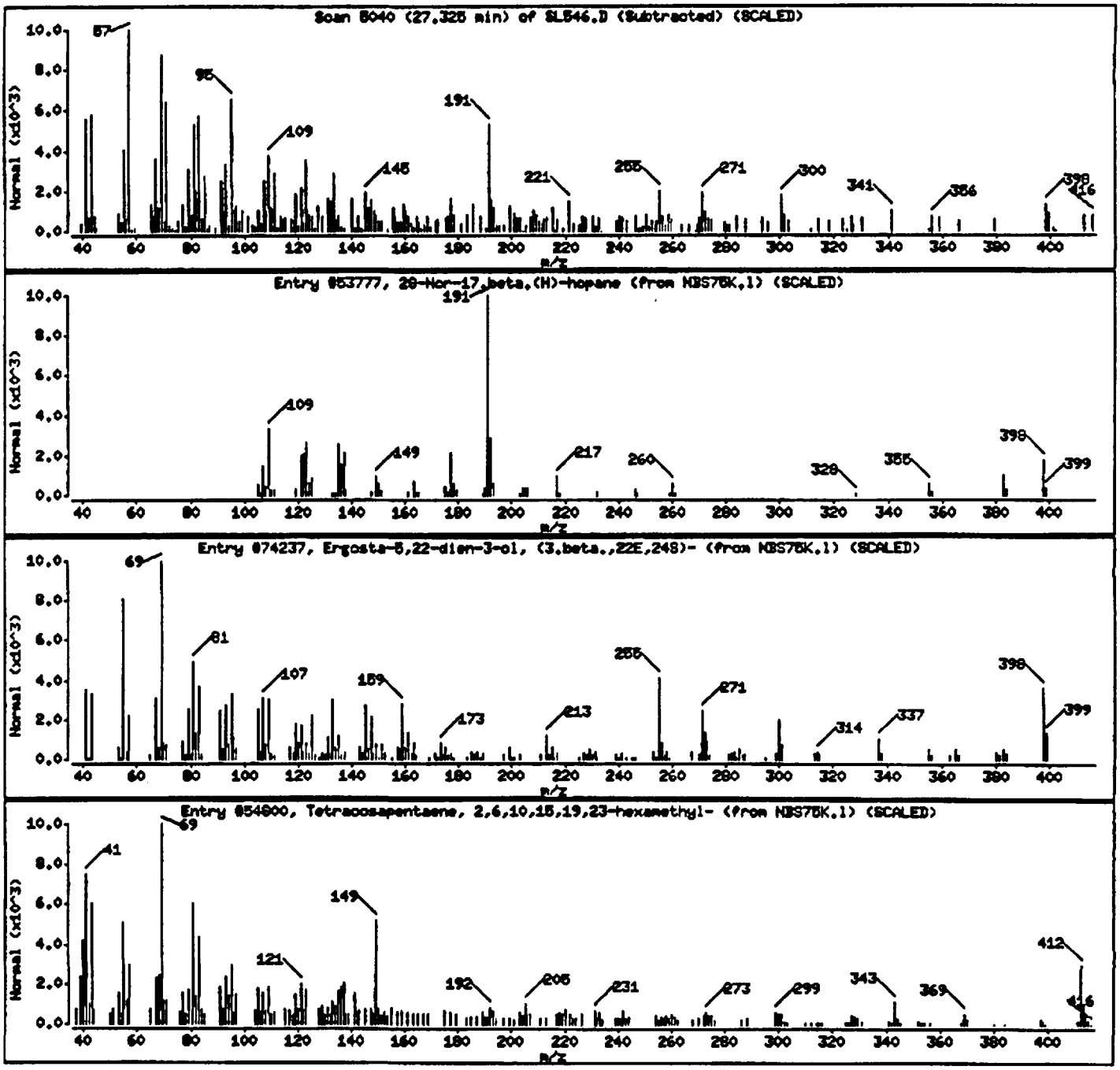
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
28-Nor-17.beta.(H)-hopane	36728-72-0	NBS75K.1	53777	46	C29H50	398
Ergosta-5,22-dien-3-ol, (3.beta.,22E,24S	17472-78-6	NBS75K.1	74237	43	C28H46O	398
Tetracosapentaene, 2,6,10,15,19,23-hexam	26266-08-0	NBS75K.1	54800	32	C30H52	412



Data File: \\qcanch05\dd\chem\HSS\s4hp8.i\00929a.b\SL546.D

Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: s4hp8.i

Sample Info: djrp010u,00929a,b,olp31,i-olp90,sub

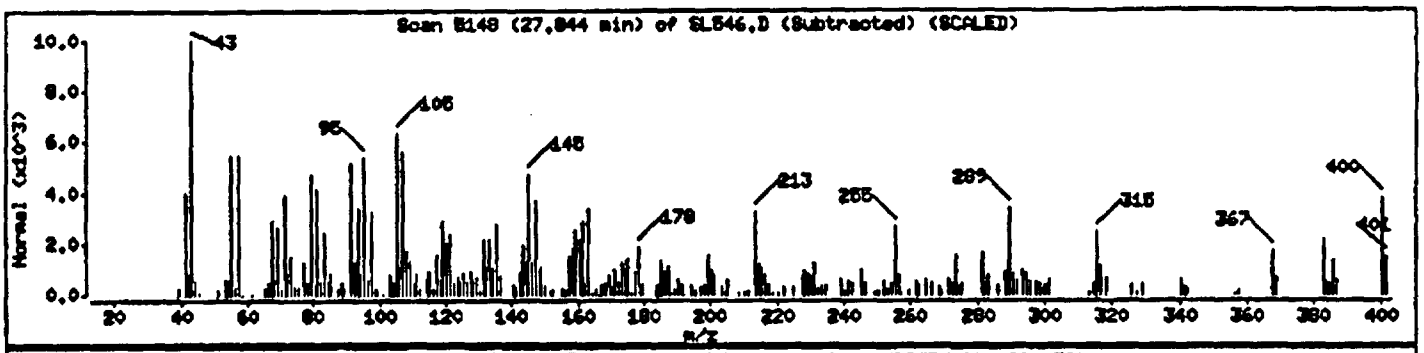
Volume Injected (uL): 2.0

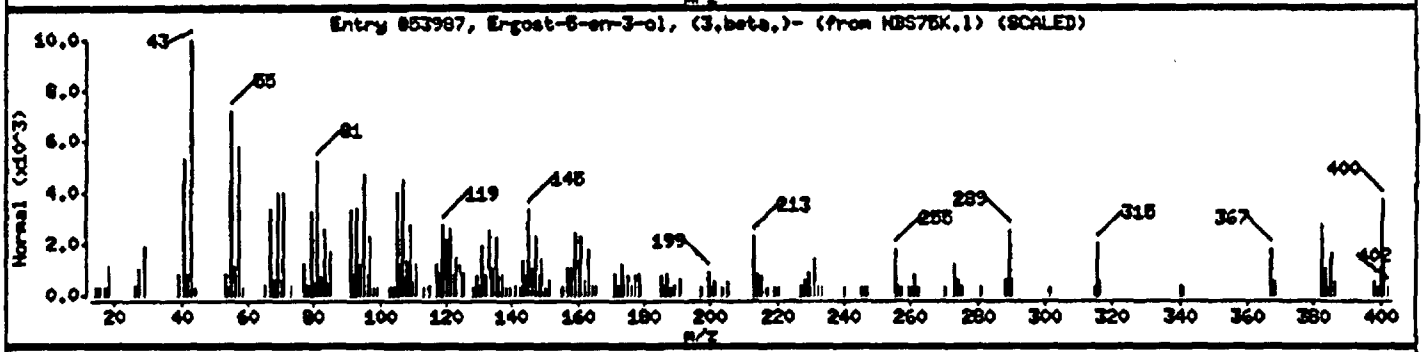
Operator: 001574

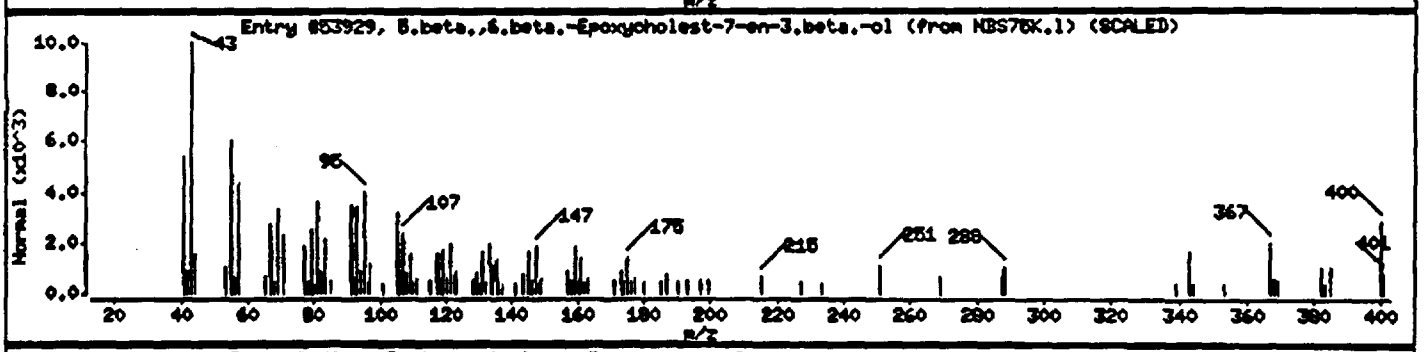
Column phase:

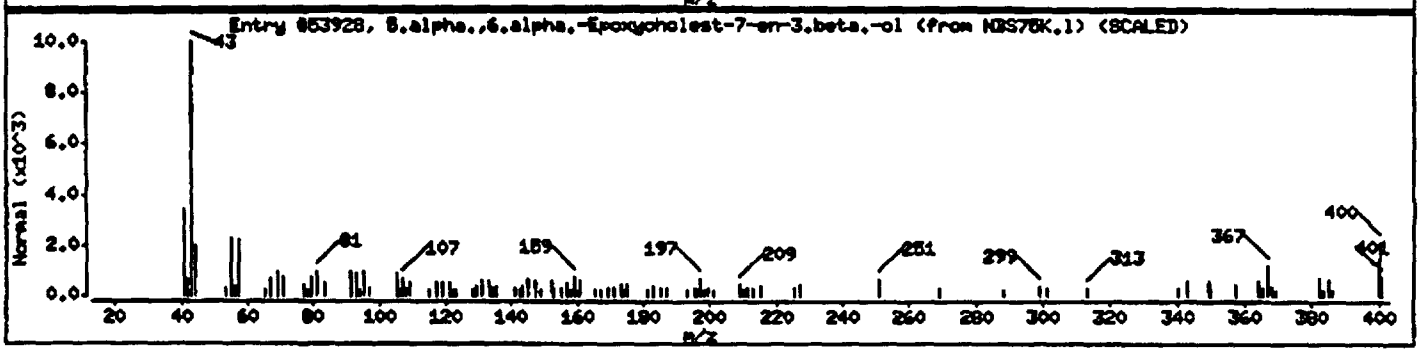
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ergost-5-en-3-ol, (3.beta.)-	4651-51-8	NBS75K.l	53987	89	C28H48O	400
5.beta.,6.beta.-Epoxycholest-7-en-3.beta	0-00-0	NBS75K.l	53929	46	C27H4402	400
5.alpha.,6.alpha.-Epoxycholest-7-en-3.be	0-00-0	NBS75K.l	53928	35	C27H4402	400









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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a.b,clp31,i-clp90.sub

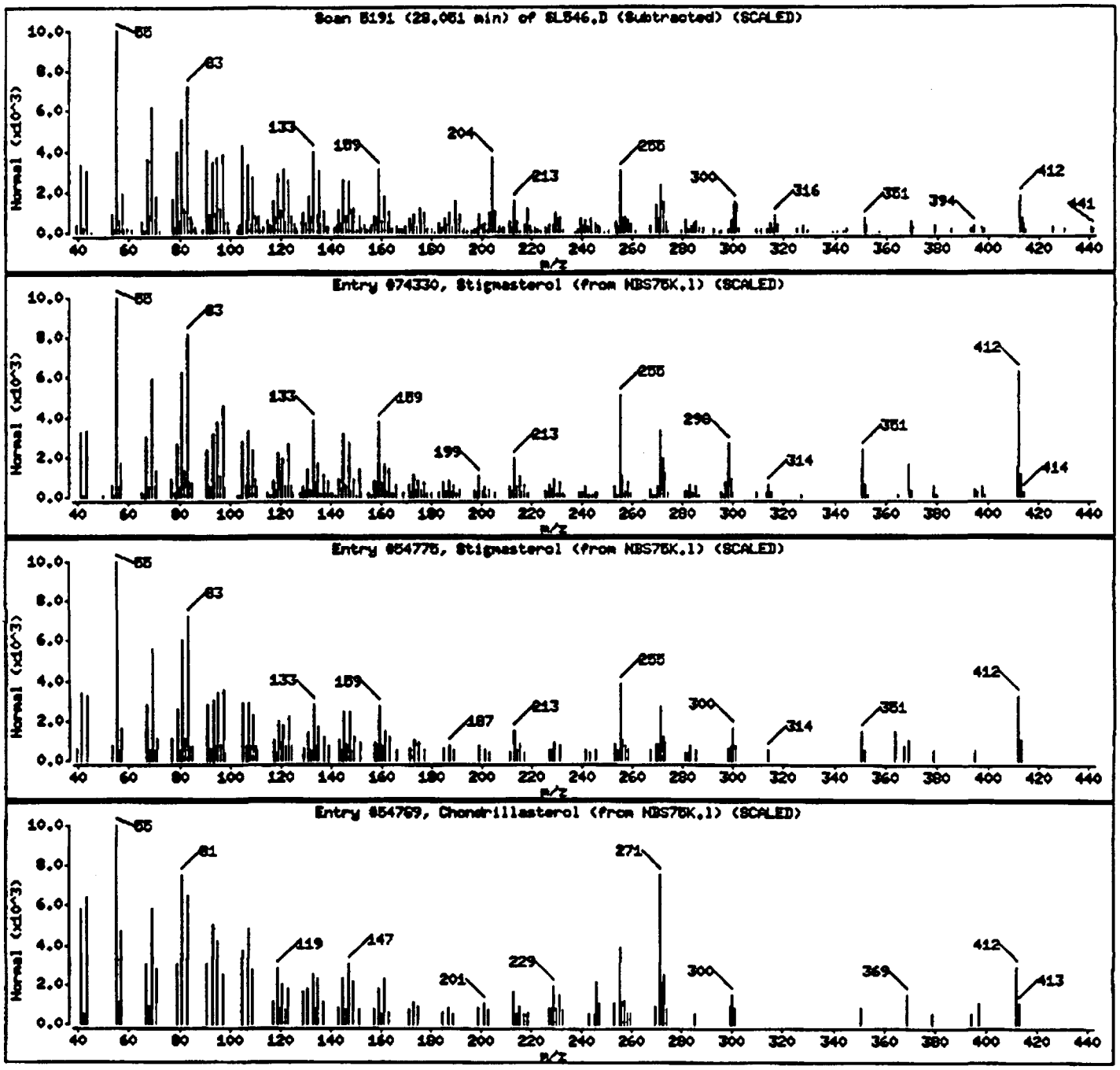
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Stigmasterol	83-48-7	NBS75K.1	74330	96	C29H48O	412
Stigmasterol	83-48-7	NBS75K.1	54775	96	C29H48O	412
Chondrillasterol	481-17-4	NBS75K.1	54769	47	C29H48O	412



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Date : 30-SEP-2000 03:31

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp010u,00929a,b,olp31,i-olp90.sub

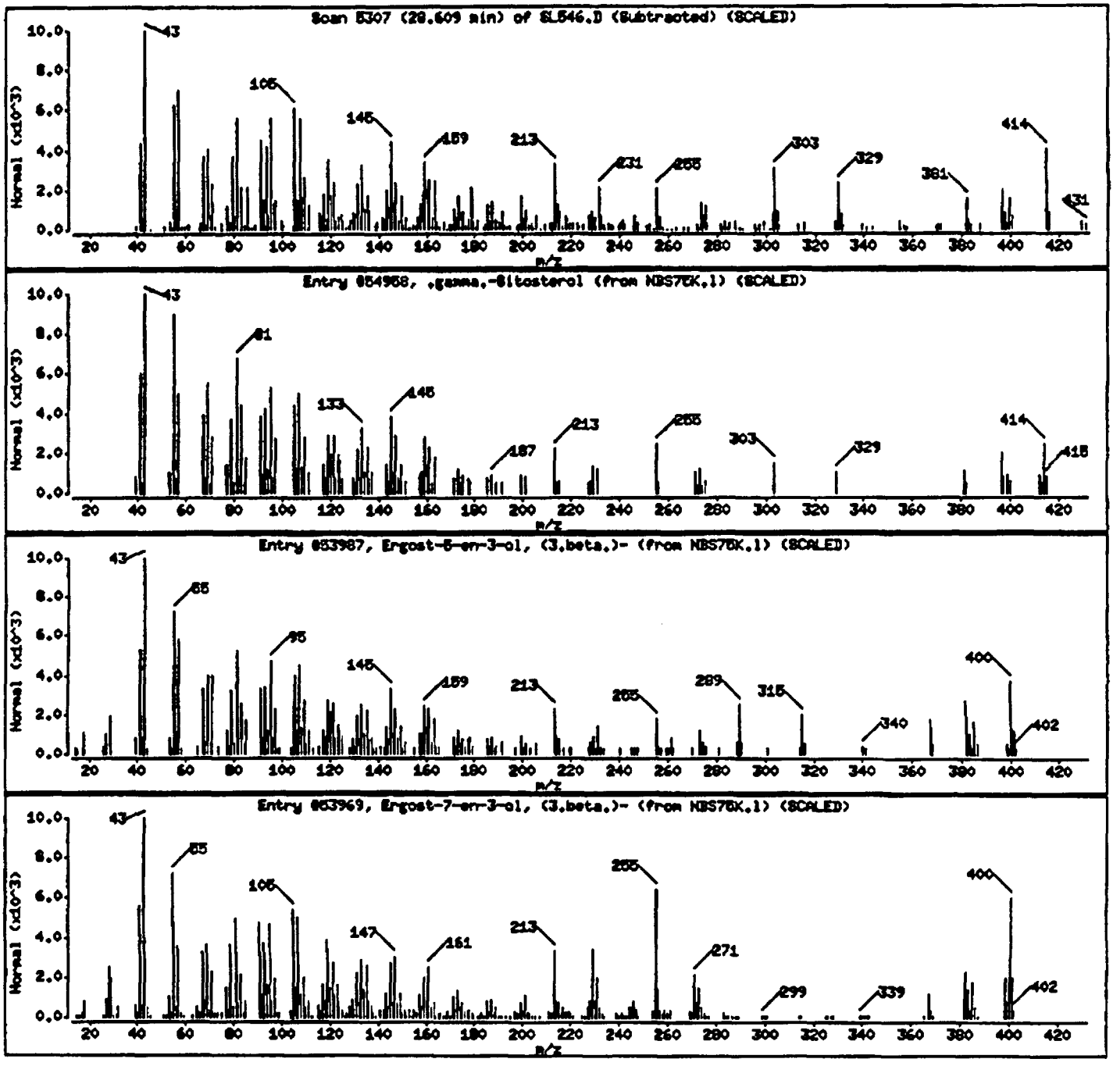
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
.gamma.-Sitosterol	83-47-6	NBS75K.1	54968	68	C29H500	414
Ergost-5-en-3-ol, (3.beta.)-	4651-81-8	NBS75K.1	53987	38	C28H480	400
Ergost-7-en-3-ol, (3.beta.)-	26047-31-4	NBS75K.1	53969	27	C28H480	400



RMT

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

Matrix: (soil/water) SO Lab Sample ID:A0I010248 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

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 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

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	870	U
120-12-7	Anthracene	870	U
86-74-8	Carbazole	870	U
84-74-2	Di-n-butyl phthalate	870	U
206-44-0	Fluoranthene	97	J
129-00-0	Pyrene	93	J
85-68-7	Butyl benzyl phthalate	870	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)anthracene	870	U
218-01-9	Chrysene	870	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
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	3800	
117-84-0	Di-n-octyl phthalate	870	U
205-99-2	Benzo(b)fluoranthene	89	J
207-08-9	Benzo(k)fluoranthene	870	U
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	870	U
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 008
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.1 / g Date Received: 09/01/00
Work Order: DJRP020U Date Extracted:09/06/00
Dilution factor: 2 Date Analyzed: 09/30/00
Moisture %:24

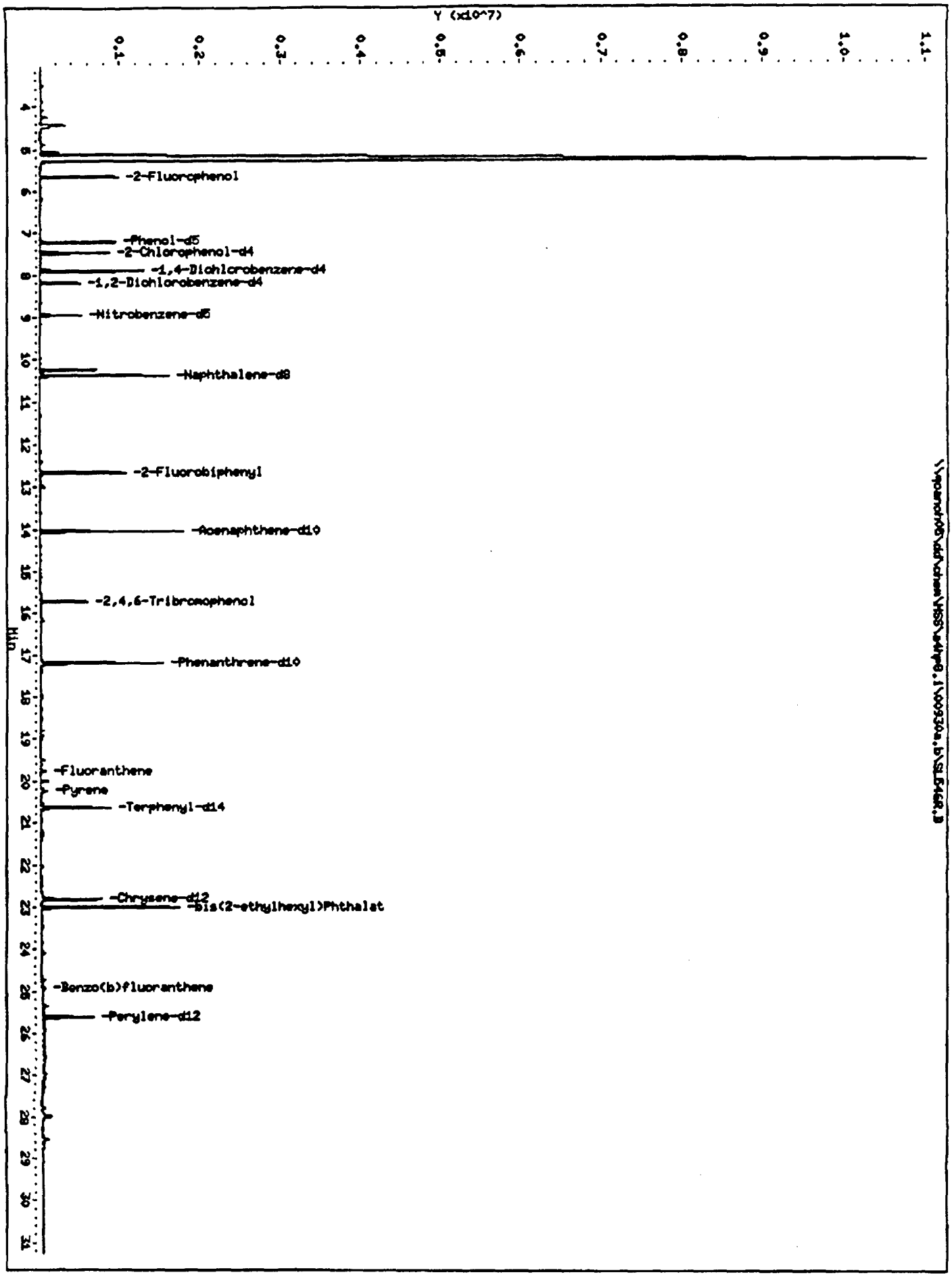
QC Batch: 0249298

Client Sample Id: SL54-6" -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.2726	50000	JA
	Unknown	10.244	710	J

FORM I - TIC


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
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
-bis(2-ethylhexyl)Phthalat
-Benzo(b)fluoranthene
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00930a.b\SL546R.D
Lab Smp Id: DJRP020U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 16:01
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp020u,00930a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00930a.b\clp31.m
Meth Date : 02-Oct-2000 07:48 ulmanm Quant Type: ISTD
Cal Date : 30-SEP-2000 12:39 Cal File: 8SML0930.D
Als bottle: 7
Dil Factor: 2.00000
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	2.000	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	30.100	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	7.898	7.900	(1.000)	277735	40.0000	
* 2 Naphthalene-d8	136	10.374	10.382	(1.000)	1098922	40.0000	
* 3 Acenaphthene-d10	164	14.039	14.046	(1.000)	627343	40.0000	
* 4 Phenanthrene-d10	188	17.184	17.191	(1.000)	896273	40.0000	
* 5 Chrysene-d12	240	22.805	22.817	(1.000)	433888	40.0000	
* 6 Perylene-d12	264	25.609	25.616	(1.000)	371222	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.					

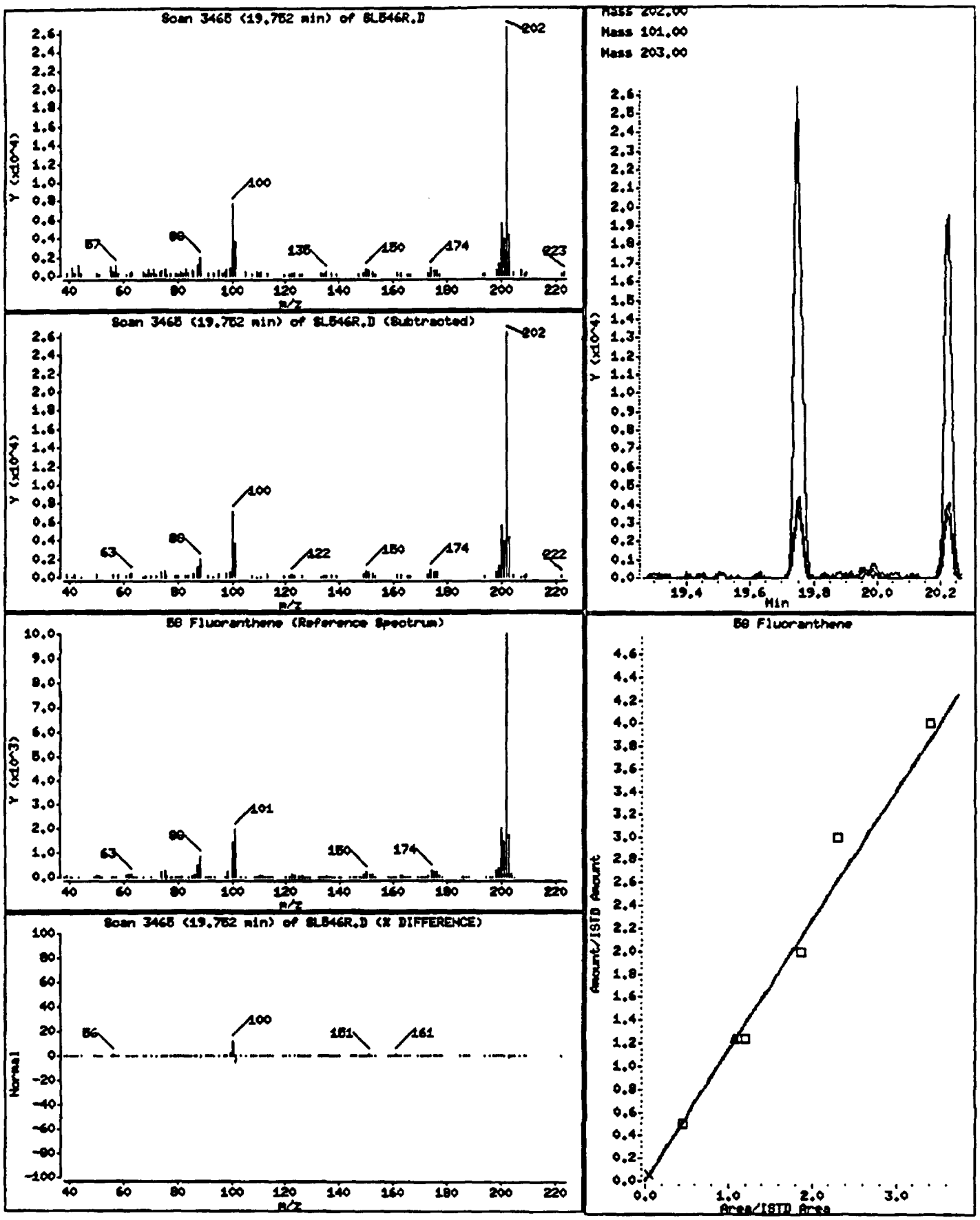
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	19.751	19.764	(1.149)	42852	2.21441	74(a)
59 Pyrene	202	20.227	20.235	(0.887)	31429	2.13397	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	22.993	22.995	(1.008)	711337	87.5224	2900
65 Di-n-octylphthalate	149	Compound Not Detected.					
66 Benzo(b)fluoranthene	252	24.911	24.924	(0.973)	27738	2.06031	68(a)
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	8.941	8.954	(0.862)	268527	24.2747	810
$ 73 2-Fluorobiphenyl	172	12.644	12.652	(0.901)	491229	28.3920	940
$ 74 Terphenyl-d14	244	20.627	20.634	(0.904)	475278	47.3380	1600
$ 75 Phenol-d5	99	7.215	7.222	(0.914)	497182	40.8549	1400
$ 76 2-Fluorophenol	112	5.662	5.635	(0.717)	343077	38.5650	1300
$ 77 2,4,6-Tribromophenol	330	15.702	15.715	(0.914)	98297	45.9715	1500
$ 78 2-Chlorophenol-d4	132	7.475	7.472	(0.946)	328859	41.1191	1400
$ 79 1,2-Dichlorobenzene-d4	152	8.177	8.179	(1.035)	105250	19.0541	630(a)

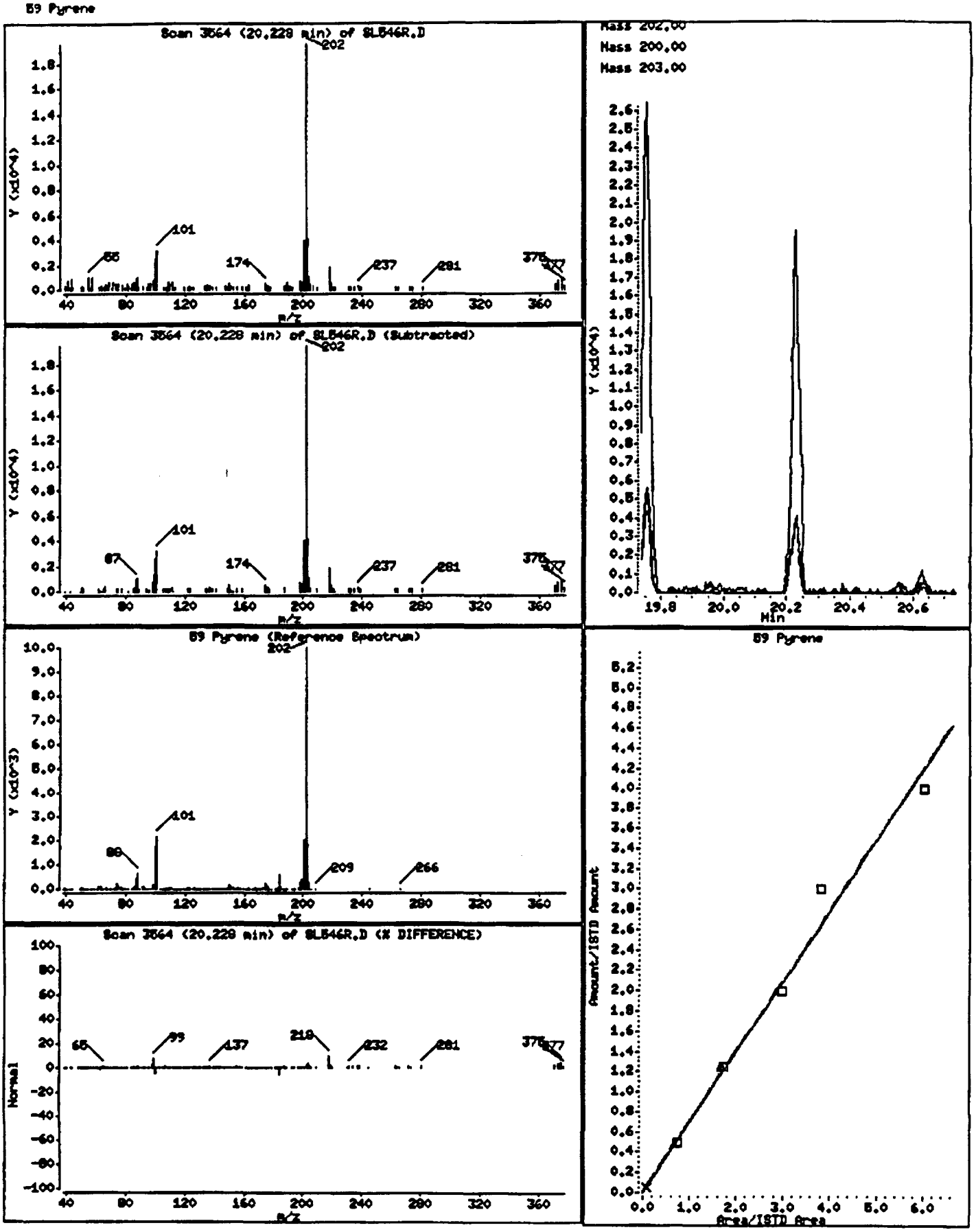
QC Flag Legend

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

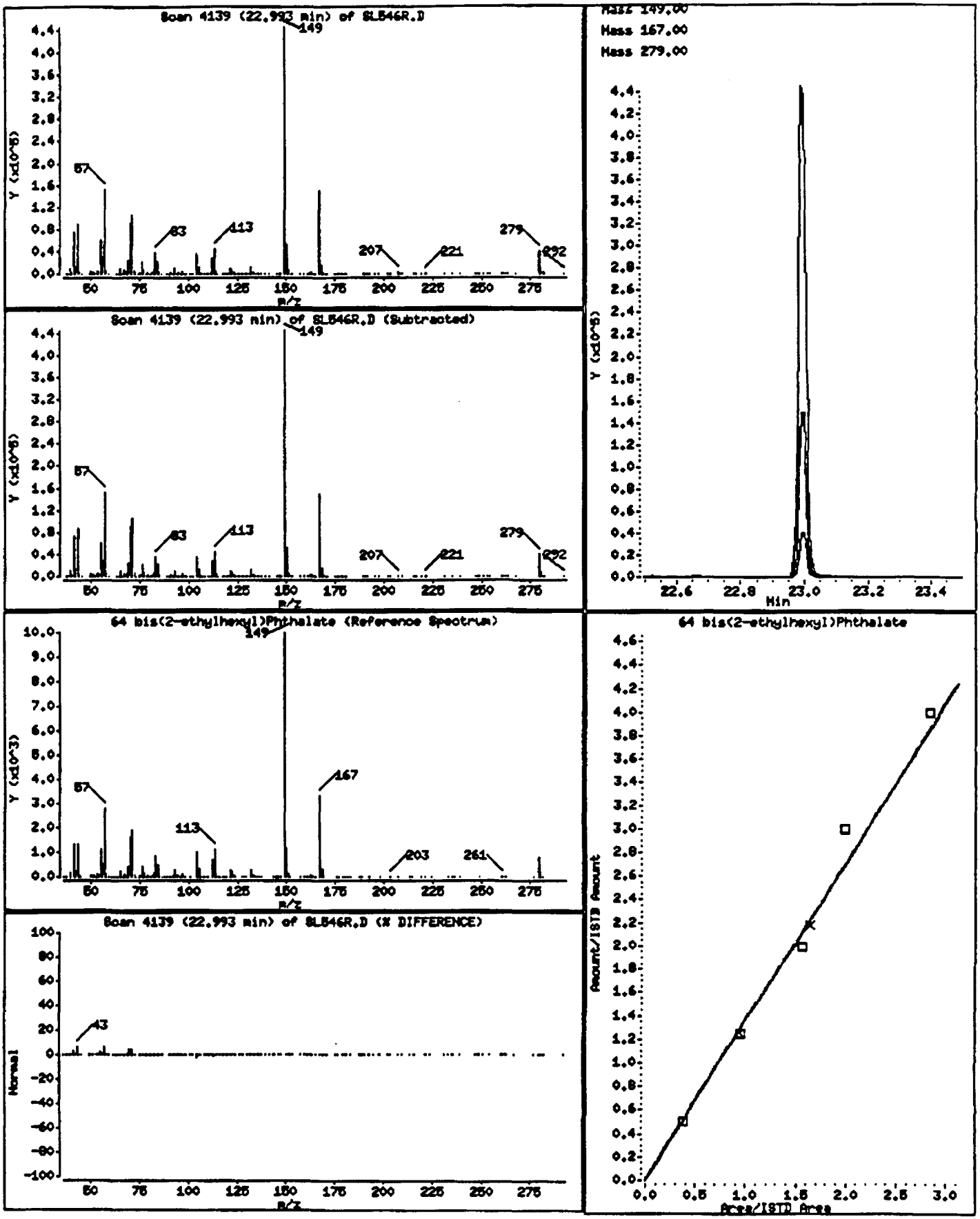
58 Fluoranthene



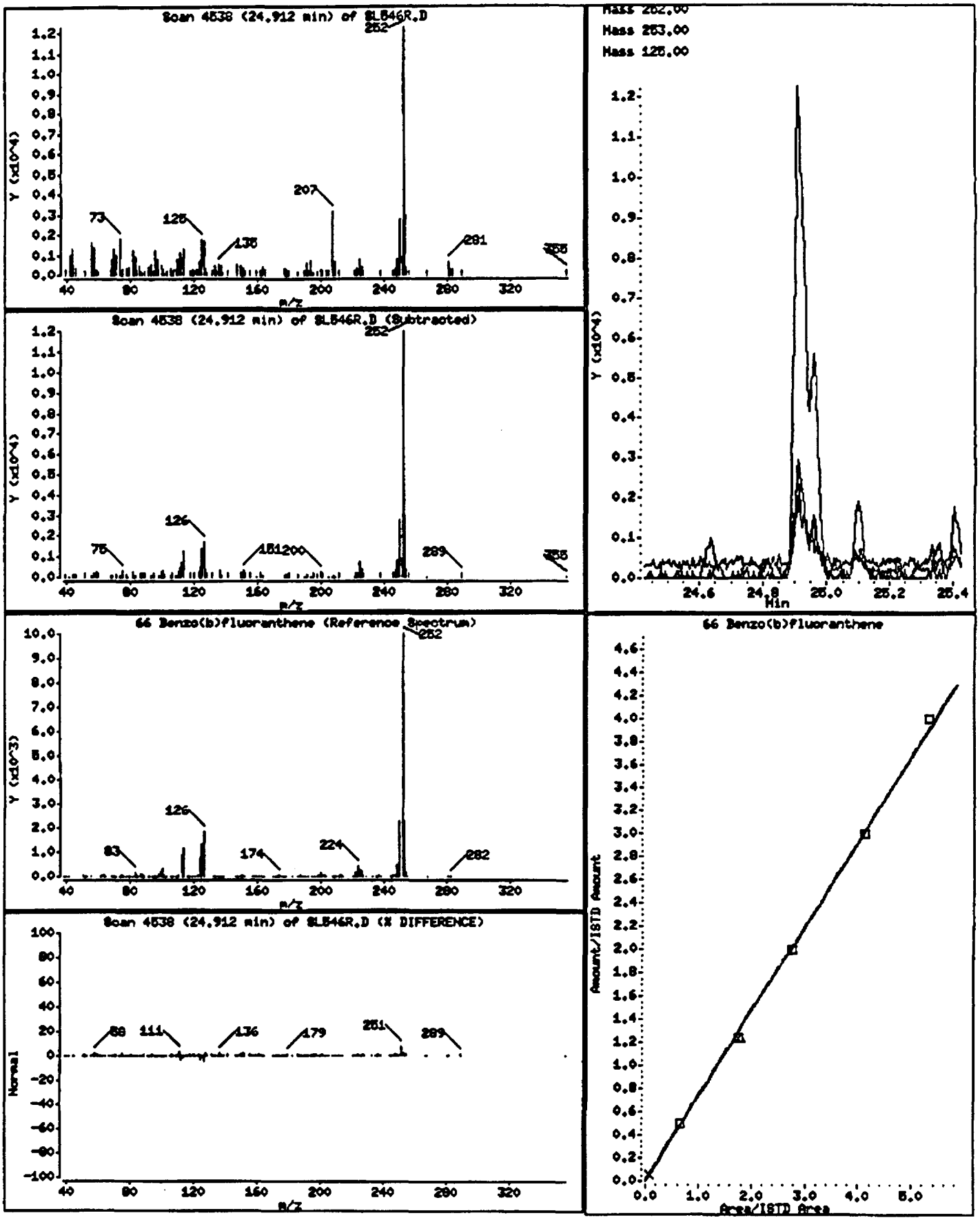
B9 Pyrene


Scan 3564 (20.228 min) of SL546R.D
Scan 3564 (20.228 min) of SL546R.D (Subtracted)
B9 Pyrene (Reference Spectrum)
Scan 3564 (20.228 min) of SL546R.D (% DIFFERENCE)
Mass 202.00
Mass 200.00
Mass 203.00
B9 Pyrene
Y (x10^4)
Y (x10^-3)
Normal
m/z
Min
Amount/ISTD Amount
Area/ISTD Area

64 bis(2-ethylhexyl)Phthalate



66 Benzo(b)fluoranthene



STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00930a.b\SL546R.D
Lab Smp Id: DJRP020U Client Smp ID: SL54-6"
Inj Date : 30-SEP-2000 16:01
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp020u,00930a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp8.i\00930a.b\clp31.m
Meth Date : 02-Oct-2000 07:48 ulmanm Quant Type: ISTD
Cal Date : 30-SEP-2000 12:39 Cal File: 8SML0930.D
Als bottle: 7
Dil Factor: 2.00000
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	2.000	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	30.100	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	7.898	1853273	40.000
* 2 Naphthalene-d8	10.375	2407953	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
5.273	53448847	1153.60979	38000	99		0	1

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.245	988142	16.4146393	540	0		0	2

Data File: \\qoanch05\dd\chem\MSS\a4hp8.i\00930a.b\SL546R.D

Date : 30-SEP-2000 16:01

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp020u,00930a.b,olp31,1-olp90.sub

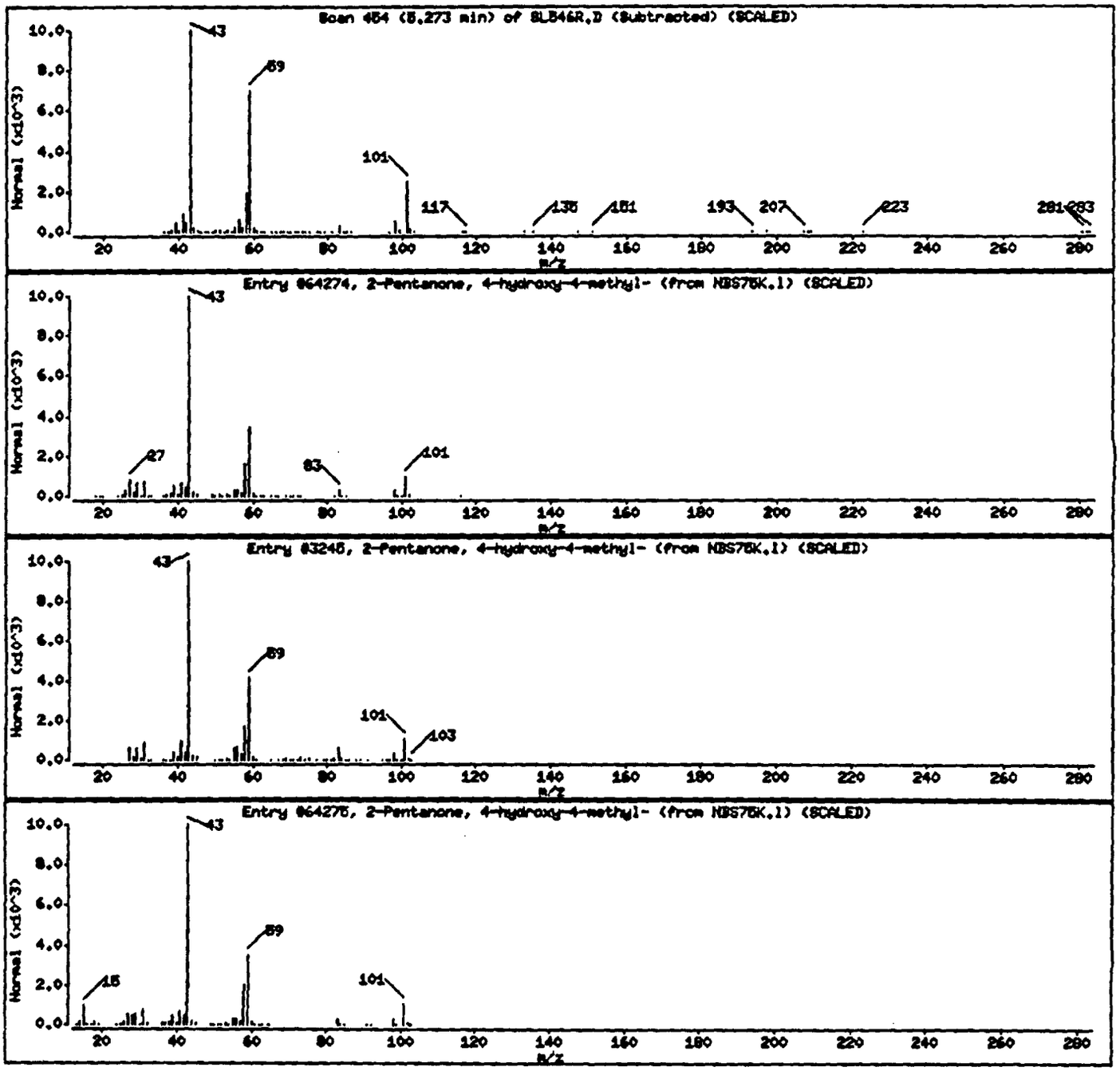
Volume Injected (uL): 2.0

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	64274	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3246	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	47	C6H12O2	116



Data File: \\qcanoh05\dd\chem\MSS\a4hp8.i\00930a.b\SL546R.D

Date : 30-SEP-2000 16:01

Client ID: SL54-6'

Instrument: a4hp8.i

Sample Info: djrp020u,00930a.b,olp31,1-olp90.sub

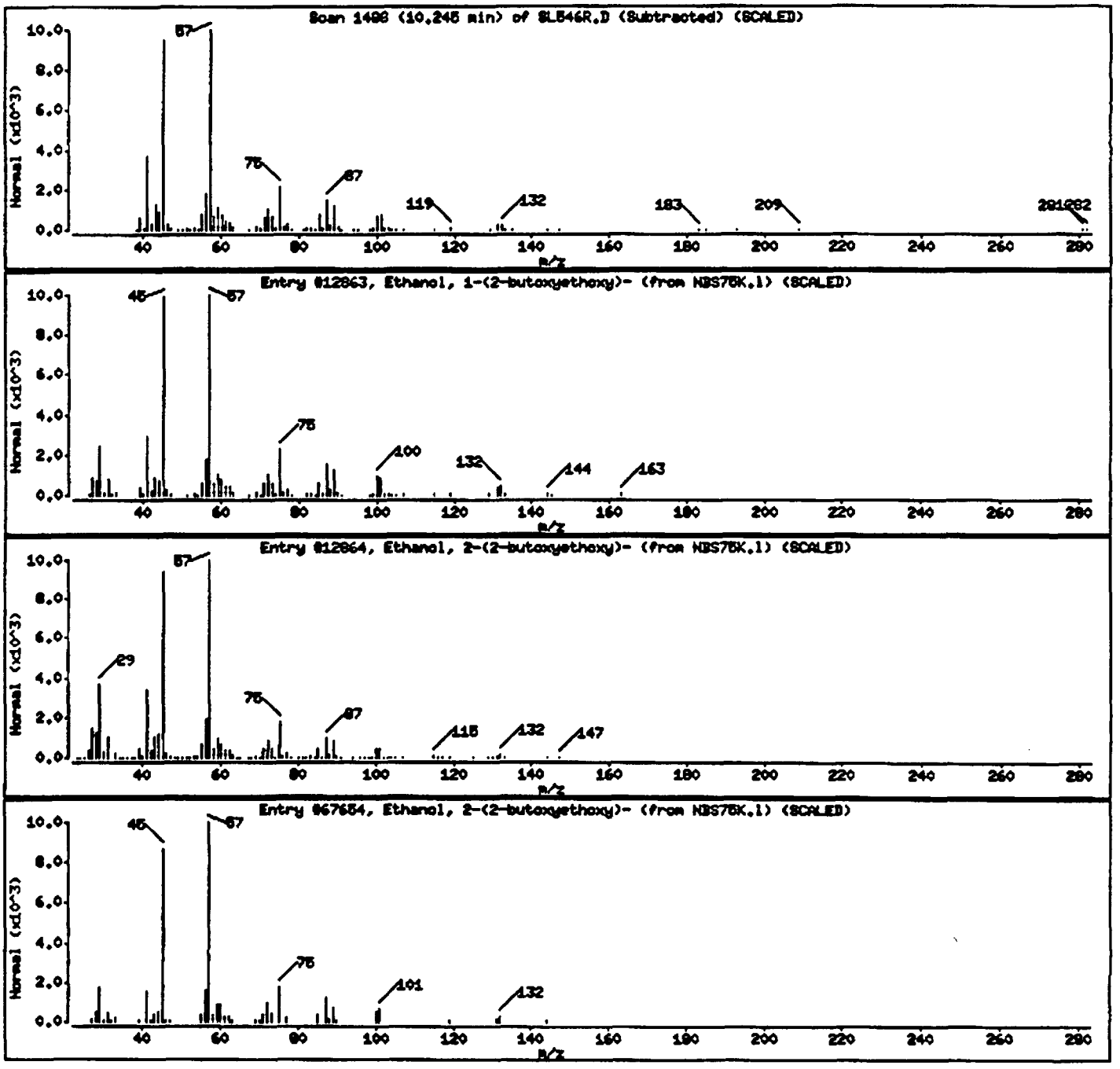
Volume Injected (uL): 2.0

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.l	12863	90	C8H18O3	162
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



RMT

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

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SLS5-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitrosodi-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	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
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SL55-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethyl phthalate	380	U
7005-72-3	4-Chlorophenyl phenyl ether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl phenyl ether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	60	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butyl phthalate	380	U
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	52	J
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	50	J
218-01-9	Chrysene	67	J

RMT

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

Matrix: (soil/water) SO Lab Sample ID:A0I010248 009
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SL55-6"

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	59	J
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	68	J
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(ghi)perylene	380	U

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
Base/Neutrals and Acids (CLP-OLM03.1)

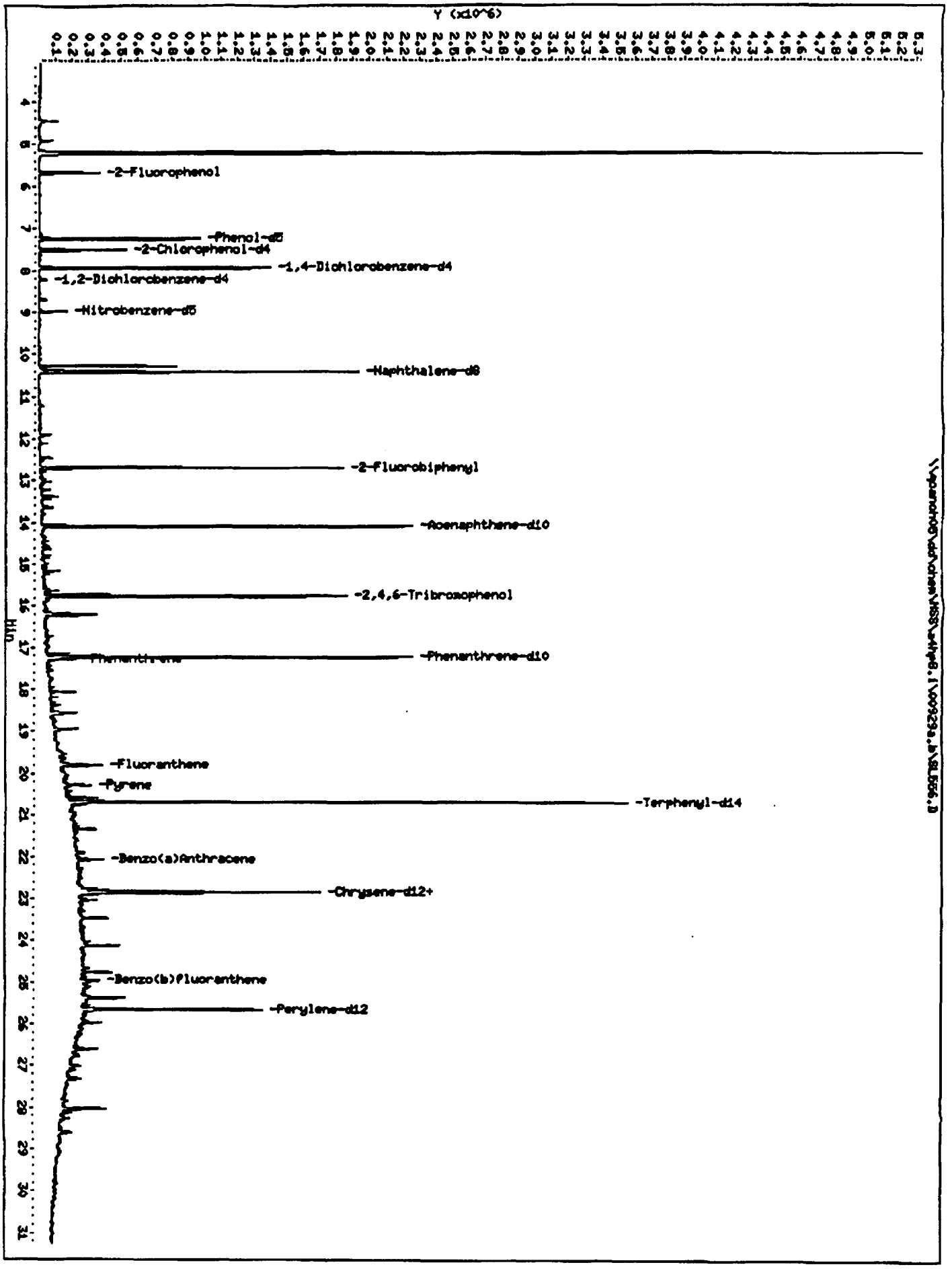
Sample WT/Vol: 30.2 / g Date Received: 09/01/00
Work Order: DJRP710U Date Extracted:09/06/00
Dilution factor: 1 Date Analyzed: 09/30/00
Moisture %:14

QC Batch: 0249298

Client Sample Id: SL55-6"

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	5.2227	4400	JA
	Unknown	10.286	310	J
	Unknown Hydrocarbon	16.201	160	J
	Unknown	18.547	97	J
	Unknown Hydrocarbon	20.572	85	J
	Unknown Hydrocarbon	22.789	100	J
	Unknown Hydrocarbon	23.472	88	J
	Unknown Hydrocarbon	24.126	110	J
	Unknown Hydrocarbon	24.765	130	J
	Unknown Hydrocarbon	25.381	260	J
	Unknown Hydrocarbon	25.972	89	J
	Unknown Hydrocarbon	26.602	140	J
	Unknown	26.766	110	J
57-88-5	Cholesterol	27.016	93	NJ
	Unknown Hydrocarbon	27.319	95	J
	Unknown	28.03	290	J
	Unknown	28.612	96	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
-Phenanthrene-d10
Phenanthrene
-Fluoranthene
-Pyrene
-Terphenyl-d14
-Benzo(a)Anthracene
-Chrysene-d12+
-Benzo(b)Fluoranthene
-Perylene-d12
Min

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp8.i\00929a.b\SL556.D
Lab Smp Id: DJRP710U Client Smp ID: SL55-6"
Inj Date : 30-SEP-2000 01:33
Operator : 001574 Inst ID: a4hp8.i
Smp Info : djrp710u,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: 14
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	7.934	7.940	(1.000)	337068	40.0000	
* 2 Naphthalene-d8	136	10.416	10.426	(1.000)	1369670	40.0000	
* 3 Acenaphthene-d10	164	14.080	14.095	(1.000)	821564	40.0000	
* 4 Phenanthrene-d10	188	17.230	17.240	(1.000)	1363117	40.0000	
* 5 Chrysene-d12	240	22.856	22.866	(1.000)	860839	40.0000	
* 6 Perylene-d12	264	25.660	25.665	(1.000)	671096	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.					