143001

SEVERN
TRENT
SERVICES

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

Tel: 330 497 9396
Fax: 330 497 0772
www.stl-inc.com

SDG NARRATIVE

This narrative pertains to samples received from the Riverdale Site, project number 4962.01. This data package, completed by STL North Canton, consists of data from the volatile, semivolatile, and pesticide analyses of six (6) solid samples using the OCLP OLM03.1 protocol.

Sample(s) which contain results between the MDL and the RL have been flagged with J. There is the possibility of false positive or misidentification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation will be performed only down to the standard reporting limit (SRL). The acceptance criteria for QC criteria may not be met at these quantitation levels.

Sample(s) which contain concentrations of target analyte(s) at a reportable level in the associated method blank(s) have been flagged with B. All target analytes in the method blank must be below the reporting limits (RL) or the associated sample(s) must be ND with the exception of Methylene chloride, Acetone, and 2-Butanone. These are common laboratory contaminants and may be present in concentrations up to five times the reporting limits.

The following is a listing of the samples in SDG 0K04153:

Client ID	Laboratory ID	Sample Receipt Date
SL-80	DPDH3	11/04/00
SL-81	DPDH9	11/04/00
SL-82-9.0'	DPJFJ	11/08/00
SL-83-9.0'	DPJF3	11/08/00
DSL-16	DPJF5	11/08/00
DSL-17	DPJF8	11/08/00

SDG NARRATIVE (continued)

During the preparation and analyses of this SDG the following anomalies were encountered:

GC/MS VOLATILES

Some samples had elevated reporting limits due to TICs.

GC/MS SEMIVOLATILES

All samples were extracted outside holding times due to a laboratory accident during the concentration process for the initial extracts. Only data from the reextracts could be reported.

CLP 3.1 extracts were concentrated to a final volume of 5ml instead of .5ml. This was the reason for the request to eliminate 3.1 from production, different final volumes, and special instrument setup on MSSEMI's end.

PESTICIDES

Pblank1 had a hit of Aldrin above the reporting limit. No corrective action was taken.

Kenneth J. Kuzior
Project Manager
December 21, 2000

Committed To *Your* Success

MISCELLANEOUS DATA

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 64186

Lot #: A0K040153

Case Number/SDG: 4962.01

Storage Location: VOCCLP/W104 VOCCLP

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
DPDH3	BURNST	11/04/00	Yes		Storage	
DPDH9	BURNST	11/04/00	Yes		Storage	
DPDJA	BURNST	11/04/00	Yes		Storage	

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 64186

Lot #: A0K080242

Case Number/SDG: 4962.01

Storage Location: VOCCLP/W112/W112 VOCCLP

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
DPJFJ	EZZOL	11/08/00	Yes		Storage	
DPJF3	EZZOL	11/08/00	Yes		Storage	
DPJF5	EZZOL	11/08/00	Yes		Storage	
DPJF8	EZZOL	11/08/00	Yes		Storage	

STL North Canton General Chemistry Bench Sheet

Parameter(s): % Moisture, TS

Batch(es): 0311559/60/62/64/66/68/69

Method #/SOP#:

Review Items	Level I Review			Level II Review		
A. Initial Calibration	YES	NO	N/A	YES	NO	N/A
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?			✓			✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			✓			✓
4. ICB analyzed immediately after ICV and within criteria (± RL)?			✓			✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*			✓			✓
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?	✓			✓		
E. Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓					
3. Transcriptions checked for error ?	✓					
4. All client/project specific requirements met ?	✓					
5. Date/time of preparation and analysis verified as correct ?	✓					
6. Units verified as correct?	✓					
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			
8. SOP followed?	✓					
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓			
10. All reagent and standard numbers recorded in logbook?			✓			
11. Edits dated and initialed	✓					

Comment on any "NO" response(s):

Level I reviewer: Deborah M Marcum **Date:** 11-8-00

Level II Reviewer: Sam **Date:** 11/9/00

N:\QAQC\LAB_FORM\Wet Chem_LevelI.doc
Corporate Policy, QA-012
Revision date: 08/25/00

			STL North Canton			
		Percent Total Solid/Percent Moisture Logsheet				
					0311559	
Analysis	TS			Batch	0311560	
Prep Date	11/6/00	Time In	15:45	Analyst	DNM	
Anal date	11/7/00	Time Out	9:10	RL	10	
Sample	Tare	Wet	Dry	Result TS	Result MS	comments
Id	wt	wt	wt	%	%	
BLANK	5.652	5.5941	5.5765	1.93	ND	
DPDH3	5.652	16.7796	14.3956	78.576	21.424	
DPDH9	5.652	16.3275	13.7896	76.227	23.773	
DNMNL	5.652	15.5363	13.6231	80.644	19.356	✓
DNMN2	5.652	16.2155	14.1132	80.098	19.902	✓
DNMN7	5.652	13.9171	12.3592	81.151	18.849	✓
DNMN7X	5.652	12.655	11.0864	77.601	22.399	✓
DNMPC	5.652	16.4664	15.0347	86.761	13.239	✓
DNMPD	5.652	16.3042	14.8243	86.107	13.893	✓
DNMPE	5.652	18.1711	16.4154	85.976	14.024	✓
DNMPF	5.652	16.8333	15.4617	87.733	12.267	✓
DNMPH	5.652	18.3591	16.5884	86.065	13.935	✓
DNMPJ	5.652	16.1525	14.9144	88.209	11.791	✓
DNMPK	5.652	16.2187	14.8795	87.326	12.674	✓
DNMPR	5.652	16.4474	14.9507	86.136	13.864	✓
DNMPT	5.652	16.9855	15.5352	87.203	12.797	✓
DNMPW	5.652	11.7996	11.1677	89.721	10.279	✓
DNMPWX	5.652	10.9686	10.4287	89.845	10.155	✓
DNMPX	5.652	14.8367	13.713	87.766	12.234	✓
DNMP0	5.652	14.8683	13.8271	88.703	11.297	✓
DNMP1	5.652	16.644	14.3964	79.552	20.448	✓
DNMP5	5.652	19.6592	16.5157	77.558	22.442	✓
DN59C	5.652	17.8784	16.8444	91.543	8.457	✓
TS1106A	5.652			100.000	0.000	
	5.652			100.000	0.000	
	5.652			100.000	0.000	
	5.652			100.000	0.000	
	5.652			100.000	0.000	

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SHIPPING AND RECEIVING DOCUMENTS

48

52

FedEx. *USA Airbill* FedEx Tracking Number 823687818851

SPG1

0215

RECIPIENT: PEEL HERE

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

Date 11/3/00 FedEx Tracking Number 823687818851

Sender's Name DAVID YAKOS Phone 312 575-02

Company RIVERDALE CHEMICAL COMPANY

Address 220 E 17TH ST

City CHICAGO HEIGHTS State IL ZIP 60411

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIVING Phone

Company STL

Address 4101 Shuffel Drive NW

"HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

City North Canton State OH ZIP 44720

8236 8781 8851

0157067532

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight
- [ ] FedEx Standard Overnight
- [ ] FedEx First Overnight
- [ ] FedEx 2Day*
- [ ] FedEx Express Saver*

* FedEx Envelope/Letter Rate not available. Minimum charge. One-pound rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight*
- [ ] FedEx 2Day Freight
- [ ] FedEx 3Day Freight

* Call for Confirmation

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope/Letter*
- [ ] FedEx Pak*
- [ ] Other Pkg

6 Special Handling

- [x] SATURDAY Delivery
- [ ] SUNDAY Delivery
- [ ] HOLD Weekday at FedEx Location
- [ ] HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods?

- [ ] No
- [ ] Yes
- [ ] Yes
- [ ] Dry Ice
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [x] Sender
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip Acct. No.

Total Packages 1 Total Weight Total Charges

Credit Card Auth.

*Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Call 1·800·Go·FedEx (800-463-3339)

Visit our Web site at www.fedex.com

402

9

STL North Canton

TRK# 8230 0102 ...

44720 -OH-US

N

10

47

52

FedEx USA Airbill FedEx Tracking Number 823687818840

SPG

Form I.D. No. 0215

RECIPIENT: PEEL HERE

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

Date 11/7/00 FedEx Tracking Number 823687818840

Sender's Name DAVID YAROS Phone 312 575-...

Company RIVERDALE CHEMICAL COMPANY

Address 220 E 17TH ST

Dept./Floor/Suite/Room

City CHICAGO HEIGHTS State IL ZIP 60411

2 Your Internal Billing Reference

3 To

Recipient's Name KEN QUIRIL Phone 330 497-7306

Company STL

Address 4101 Shuffle Drive NW.

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City NORTH CANTON State OH ZIP ~~44207~~ 44720

8236 8781 8840

0157067532

4a Express Package Service Package Delivery commitment may be

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Envelope/Letter Rate not available. Minimum charge: One-pound rate

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope/Letter*
- [x] FedEx Pak*
- [ ] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- [ ] Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Obtain Recip. Acct. No.
- [ ] Cash/Check

Total Packages 1 Total Weight 20 Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the FedEx Service Guide for details.

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Call 1-800-Go-FedEx (800-463-3339)

Visit our Web site at www.fedex.com

402

STL North Canton

SEVERN TRENT SERVICES

STL Chicago
2417 Bond Street
University Park, IL 60466
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Rae Minduck
Company: KMT
Address: 211 South Riverside Plaza
Suite 32, Chicago, IL 60606
Phone: 312-575-0200
Fax: 312-575-0300
E-Mail: rae.minduck@[illegible]

Bill To:
Contact: Same as Report To
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only ____ of ____

Lab Lot#

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: [illegible]
Signature: [illegible]
Project Name: [illegible]
Project Number: [illegible]
Project Location: [illegible]
Lab PM:
Date Required
Hard Copy: ASAP
Fax: ___/___/___

Refrg #																
# / Cont.																
Volume																
Preserv																

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs	SVOCs	PEST-CLP	HERB-CLP							Additional Analyses / Remarks
		SL-30-5[illegible]	11/2/00	[illegible]30	S	G											
		SL-31-3[illegible]	11/2/00	[illegible]	S	G											

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[illegible]	[illegible]	[illegible]	[illegible]	Anne Sanders	STL	11-4-00	1035AM
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received / /
Courier: **Hand Delivered** ☐
Bill of Lading

STL Chicago is a part of Severn Trent Laboratories, Inc.

STL 8208 (0600)

STL North Canton

11

EVERN TRENT SERVICES

Chicago
' Bond Street
ersity Park, IL 60466
ne: 708-534-5200
708-534-5211

Report To: ← Bill To: SAME

Shaded Areas For Internal Use Only ____ of ____

Contact: RAE MINDOCK
Company: RMT
Address: 222 S. RIVERSIDE PLAZA
Sto #20, Chicago, IL 60606
Phone: 312-575-0200
Fax: 312-575-6300
E-Mail: rae.mindock@rmtinc.com

Contact:
Company:
Address:
Phone:
Fax:
PO#: Quote:

Lab Lot#

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	**Samples Intact**
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check OK	**Res Cl_2 Check OK**
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

mpler Name: DAVID YANG
Signature: [signature]
ject Name: LIVERDALE
Project Number: 4962.01
ject Location: Chicago HEIGHTS
Date Required
Hard Copy: ___/___/___
Fax: ___/___/___
PM: KEN Q.

Refrg #																
# / Cont.																
Volume																
Preserv																

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs	SVOCs	PEST	HERB	TAL METALS						Additional Analyses / Remarks
		SL-82-9.0'	11/7	9:00	S	G	X	X	X	X							
		SL-83-9.0'	11/7	9:45	S	G	X	X	X	X							
		DSL-16.	11/7	10:15	S	C	[illegible]	X	X	X	X						
		DSL-17	11/7	10:15	S	G	X										

LINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	[signature]	11/7/00	10:30	[signature]	STL	11-8-00	9:25AM
LINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- Wastewater
- Water
- Soil
- Sludge
- Miscellaneous
- Oil
- Air
- SE = Sediment
- SO = Solid
- DS = Drum Solid
- DL = Drum Liquid
- L = Leachate
- WI = Wipe
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received / /
Courier: Hand Delivered ☐
Bill of Lading

STL Chicago is a part of Severn Trent Laboratories, Inc.

STL-8208 (0600)

STL North Canton

12

North Canton Facility

Client: RMT Project: Quote#:
Cooler Received on: 11-4-00 Opened on: 11-4-00 by: [signature] (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐
Other:

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☒ Other:
STL Shipper No#:

1. Were custody seals on the outside of the cooler and intact? Yes ☐ No ☒
   If YES, Quantity Location
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☒ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used:
Peanuts ☐ Bubble Wrap ☒ Vermiculite ☐ Foam ☐ None ☐ Other :
6. Cooler temperature upon receipt -1.1 °C (see back of form for multiple coolers/temp)
METHOD: Temperature Vial ☐ Coolant ☒ Against Bottles ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☒
8. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☐ No ☒
10. Were samples at the correct pH? Yes ☐ No ☐ NA ☒
11. Were correct bottles used for the tests indicated? Yes ☒ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
13. Was a sufficient amount of sample sent in each bottle? Yes ☒ No ☐
Contacted PM KJK Date: 11-4-00 by: TB via Voice Mail ☒ Verbal ☐ Other ☐
Concerning: TAT + tests

√	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 Only Received 5 samples for SL-80-5.0 COC Says 6 samples NA TB 11-4-00
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) tests not l'ed off on COC - KJK aware - TB 11-4-00		

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
[illegible]

North Canton Facility

Client: RMT Project: RIVERSIDE Quote#: _____

Cooler Received on: 11-8-00 Opened on: 11-8-00 by: Anne Sanders (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐ Other: _____

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☒ Other: _____

STL Shipper No#: _____

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

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____
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)		

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\narratives\cooler_stl.doc

Committed To *Your* Success

GCMS VOLATILE DATA

Committed To *Your* Success

QC SUMMARY DATA

OCLP OLM03.1 SURROGATE RECOVERY

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

Lab Code: QESCAN QESSDG: 0K04153

Lot #: A0K040153

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
01	SL-80	93	101	102	00
02	SL-81	90 D	91 D	88 D	00
03	METHOD BLK. DPKC61AA	98	104	99	00
04	SL-80 D	92	98	99	00
05	SL-80 S	95	98	101	00

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

\# 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: OK04153

Lot #: A0K040153

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
01	HLDBLK	96	105	100	00
02	METHOD BLK. DPKC71AA	96	105	101	00

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

\# 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: 0K04153

Lot #: A0K080242

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
01	SL-82-9.0'	106	99	104	00
02	METHOD BLK. DP2XV1AA	100	100	103	00
03	SL-82-9.0' D	105	97	100	00
04	SL-82-9.0' S	105	98	101	00
05	SL-83-9.0'	97	94	103	00
06	DSL-17	88 D	89 D	91 D	00
07	METHOD BLK. DP5ET1AA	97	93	101	00
08	SL-83-9.0' D	98	95	100	00
09	SL-83-9.0' S	96	94	98	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 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: QESCAN SDG No: 0K04153

Matrix Spike ID: SL-82-9.0'

Lot #: A0K080242 WO #: DPJFJ1AU
BATCH: 0322207

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	63	ND	65	103	59 - 172	
Trichloroethene	63	ND	60	96	62 - 137	
Benzene	63	ND	66	105	66 - 142	
Toluene	63	ND	66	105	59 - 139	
Chlorobenzene	63	ND	63	100	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: 0K04153

Matrix Spike ID: SL-82-9.0'

Lot #: A0K080242 WO #: DPJFJ1AV
BATCH: 0322207

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	63	66	104	1.0	22	59 - 172	
Trichloroethene	63	61	96	0.22	24	62 - 137	
Benzene	63	68	107	2.0	21	66 - 142	
Toluene	63	67	106	0.65	21	59 - 139	
Chlorobenzene	63	62	98	1.8	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

OCLP OLMC3.1 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: QESCAN SDG No: 0K04153

Matrix Spike ID: SL-80

Lot #: A0K040153 WO #: DPDH31AJ
BATCH: 0313542

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Trichloroethene	8000	ND	7900	99	62 - 137	
Benzene	8000	ND	8000	101	66 - 142	
Toluene	8000	ND	8000	100	59 - 139	
1,1-Dichloroethene	8000	ND	6800	86	59 - 172	
Chlorobenzene	8000	ND	7700	96	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: 0K04153

Matrix Spike ID: SL-80

Lot #: A0K040153 WO #: DPDH31AK
BATCH: 0313542

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	8000	6900	87	1.2	22	59 - 172	
Trichloroethene	8000	7900	99	0.18	24	62 - 137	
Benzene	8000	7900	100	1.2	21	66 - 142	
Toluene	8000	8000	100	0.11	21	59 - 139	
Chlorobenzene	8000	7700	96	0.030	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

OCLP OLM03.1 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: QESCAN SDG No: 0K04153

Matrix Spike ID: SL-83-9.0'

Lot #: A0K080242 WO #: DPJF31AG
BATCH: 0322514

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Benzene	7500	ND	6900	93	66 - 142	
1,1-Dichloroethene	7500	ND	6400	86	59 - 172	
Trichloroethene	7500	ND	6600	88	62 - 137	
Toluene	7500	ND	6800	91	59 - 139	
Chlorobenzene	7500	ND	6700	89	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: 0K04153

Matrix Spike ID: SL-83-9.0'

Lot #: A0K080242 WO #: DPJF31AH
BATCH: 0322514

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	7500	6300	84	2.6	22	59 - 172	
Trichloroethene	7500	6500	87	0.89	24	62 - 137	
Chlorobenzene	7500	6700	90	0.83	21	60 - 133	
Benzene	7500	7000	93	0.40	21	66 - 142	
Toluene	7500	6800	91	0.65	21	59 - 139	

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.

DP2XV1AA

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number: 0K04153

Lab File ID: VOX5505.d

Lot Number: A0K080242

Date Analyzed: 11/16/00

Time Analyzed: 13:18

Matrix: SOLID

Date Extracted: 11/16/00

GC Column: DB 624 ID: .53

Extraction Method: 5030

Instrument ID: 503

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	SL-82-9.0'	DPJFJ1AE	VOX5507.d	11/16/00	14:25
02	SL-82-9.0'	DPJFJ1AU S	VOX5508.d	11/16/00	15:16
03	SL-82-9.0'	DPJFJ1AV D	VOX5509.d	11/16/00	15:47
04					
05					
06					
07					
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

DPKC71AA

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number: 0K04153

Lab File ID: UX81528.D

Lot Number: A0K040153

Date Analyzed: 11/08/00

Time Analyzed: 20:21

Matrix: WATER

Date Extracted: 11/08/00

GC Column: ID: .00

Extraction Method: OLM03.1

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	DPDJA1AA	UX81529.D	11/08/00	20:44
02					
03					
04					
05					
06					
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

DPKC61AA

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number: 0K04153

Lab File ID: UX81530.D

Lot Number: A0K040153

Date Analyzed: 11/08/00

Time Analyzed: 21:07

Matrix: SOLID

Date Extracted: 11/08/00

GC Column: ID: .00

Extraction Method:

Instrument ID: UX8

Level: (low/med) MED

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	SL-80	DPDH31AC	UX81532.D	11/08/00	21:53
02	SL-80	DPDH31AJ S	UX81533.D	11/08/00	22:16
03	SL-80	DPDH31AK D	UX81534.D	11/08/00	22:39
04	SL-81	DPDH91AC	UX81531.D	11/08/00	21:30
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

DP5ET1AA

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: QESCAN

SDG Number:0K04153

Lab File ID: UX81738.D

Lot Number: A0K080242

Date Analyzed: 11/15/00

Time Analyzed: 21:20

Matrix: SOLID

Date Extracted:11/15/00

GC Column: DB 624 ID: .18

Extraction Method: 5030

Instrument ID: UX8

Level:(low/med) MED

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	SL-83-9.0'	DPJF31AC	UX81740.D	11/15/00	22:06
02	SL-83-9.0'	DPJF31AG S	UX81742.D	11/15/00	22:52
03	SL-83-9.0'	DPJF31AH D	UX81743.D	11/15/00	23:15
04	DSL-17	DPJF81AA	UX81741.D	11/15/00	22:29
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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.: 0K04153

Lab File ID: BFB745X BFB Injection Date: 11/16/00

Instrument ID: A3I503 BFB Injection Time: 1029

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.7
75	30.0 - 66.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	71.8
175	4.0 - 9.0% of mass 174	5.5 (7.6)1
176	93.0 - 101.0% of mass 174	70.6 (98.3)1
177	5.0 - 9.0% of mass 176	4.7 (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	VOX5500	11/16/00	1045
02	VSTD100	500NG-IC	VOX5501	11/16/00	1118
03	VSTD050	250NG-IC	VOX5502	11/16/00	1148
04	VSTD020	100NG-IC	VOX5503	11/16/00	1218
05	VSTD010	50NG-IC	VOX5504	11/16/00	1248
06	DP2XV-BLK	DP2XV1AA	VOX5505	11/16/00	1318
07	SL-82-9.0'	DPJFJ1AE	VOX5507	11/16/00	1425
08	SL-82-9.0'	DPJFJ1AU	VOX5508	11/16/00	1516
09	SL-82-9.0'	DPJFJ1AV	VOX5509	11/16/00	1547
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Lab File ID: BFB8556 BFB Injection Date: 11/05/00

Instrument ID: A3UX8A BFB Injection Time: 0955

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	9.9
75	30.0 - 66.0% of mass 95	42.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	89.1
175	4.0 - 9.0% of mass 174	6.4 (7.2)1
176	93.0 - 101.0% of mass 174	86.8 (97.3)1
177	5.0 - 9.0% of mass 176	6.2 (7.1)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	UX81431	11/05/00	1016
02	VSTD100	500NG-IC	UX81432	11/05/00	1039
03	VSTD050	250NG-IC	UX81433	11/05/00	1102
04	VSTD020	100NG-IC	UX81434	11/05/00	1125
05	VSTD010	50NG-IC	UX81435	11/05/00	1148
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page 1 of 1

FORM V VOA OLM03.0

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Lab File ID: BFB8561 BFB Injection Date: 11/08/00

Instrument ID: A3UX8A BFB Injection Time: 1852

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	9.3
75	30.0 - 66.0% of mass 95	40.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	85.8
175	4.0 - 9.0% of mass 174	7.2 (8.4)1
176	93.0 - 101.0% of mass 174	82.7 (96.4)1
177	5.0 - 9.0% of mass 176	5.6 (6.8)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	VSTD050	250NG-CC	UX81525	11/08/00	1911
02	DPKC7-BLK	DPKC71AA	UX81528	11/08/00	2021
03	HLDBLK	DPDJA1AA	UX81529	11/08/00	2044
04	DPKC6-BLK	DPKC61AA	UX81530	11/08/00	2107
05	SL-81	DPDH91AC	UX81531	11/08/00	2130
06	SL-80	DPDH31AC	UX81532	11/08/00	2153
07	SL-80	DPDH31AJ	UX81533	11/08/00	2216
08	SL-80	DPDH31AK	UX81534	11/08/00	2239
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Lab File ID: BFB8571 BFB Injection Date: 11/15/00

Instrument ID: A3UX8A BFB Injection Time: 1755

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	8.5
75	30.0 - 66.0% of mass 95	39.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 120.0% of mass 95	96.8
175	4.0 - 9.0% of mass 174	6.9 (7.1)1
176	93.0 - 101.0% of mass 174	92.4 (95.4)1
177	5.0 - 9.0% of mass 176	5.9 (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	UX81730	11/15/00	1815
02	VSTD100	500NG-IC	UX81731	11/15/00	1838
03	VSTD050	250NG-IC	UX81732	11/15/00	1901
04	VSTD020	100NG-IC	UX81733	11/15/00	1924
05	VSTD010	50NG-IC	UX81734	11/15/00	1947
06	DP5ET-BLK	DP5ET1AA	UX81738	11/15/00	2120
07	SL-83-9.0'	DPJF31AC	UX81740	11/15/00	2206
08	DSL-17	DPJF81AA	UX81741	11/15/00	2229
09	SL-83-9.0'	DPJF31AG	UX81742	11/15/00	2252
10	SL-83-9.0'	DPJF31AH	UX81743	11/15/00	2315
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page 1 of 1

FORM V VOA OLM03.0

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 0K04153

Lab File ID (Standard): VOX5502 Date Analyzed: 11/16/00

Instrument ID: A3I503 Time Analyzed: 1148

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	29990	6.72	132411	8.28	126627	13.69
	UPPER LIMIT	59980	7.22	264822	8.78	253254	14.19
	LOWER LIMIT	14995	6.22	66206	7.78	63314	13.19
	EPA SAMPLE NO.						
01	DP2XV-BLK	28163	6.74	117964	8.30	111286	13.71
02	SL-82-9.0'	25080	6.72	109850	8.28	94375	13.69
03	SL-82-9.0'	30368	6.75	132048	8.31	113907	13.72
04	SL-82-9.0'	27354	6.71	120264	8.30	102334	13.68
05							
06							
07							
08							
09							
10							
11							
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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: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Lab File ID (Standard): UX81525 Date Analyzed: 11/08/00

Instrument ID: A3UX8A Time Analyzed: 1911

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	309741	4.27	2259669	5.10	1797295	7.69
	UPPER LIMIT	619482	4.77	4519338	5.60	3594590	8.19
	LOWER LIMIT	154871	3.77	1129835	4.60	898648	7.19
	EPA SAMPLE NO.						
01	DPKC7-BLK	295900	4.27	2056079	5.10	1665753	7.69
02	HLDBLK	297599	4.27	2105042	5.09	1706436	7.69
03	DPKC6-BLK	318686	4.27	2263230	5.10	1855864	7.69
04	SL-81	315625	4.27	2167222	5.10	1729706	7.69
05	SL-80	335621	4.26	2355905	5.10	1813388	7.69
06	SL-80	332747	4.26	2295472	5.10	1798363	7.69
07	SL-80	321683	4.27	2245122	5.09	1743732	7.69
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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.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Lab File ID (Standard): UX81732 Date Analyzed: 11/15/00

Instrument ID: A3UX8A Time Analyzed: 1901

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	306706	4.27	2156320	5.09	1761928	7.69
	UPPER LIMIT	613412	4.77	4312640	5.59	3523856	8.19
	LOWER LIMIT	153353	3.77	1078160	4.59	880964	7.19
	EPA SAMPLE NO.						
01	DP5ET-BLK	314858	4.26	2123945	5.10	1727101	7.69
02	SL-83-9.0'	297256	4.27	2064222	5.09	1666640	7.69
03	DSL-17	296217	4.27	2028006	5.09	1619211	7.69
04	SL-83-9.0'	315303	4.26	2164052	5.10	1746572	7.69
05	SL-83-9.0'	305795	4.27	2128435	5.09	1703733	7.69
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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.

Committed To *Your* Success

SAMPLE DATA

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH31AC Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-80
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	**Acetone**	**2000**	**B**
71-43-2	Benzene	1600	U
75-27-4	Bromodichloromethane	1600	U
75-25-2	Bromoform	1600	U
74-83-9	Bromomethane	1600	U
78-93-3	2-Butanone	1600	U
75-15-0	Carbon disulfide	1600	U
56-23-5	Carbon tetrachloride	1600	U
108-90-7	Chlorobenzene	1600	U
124-48-1	Dibromochloromethane	1600	U
75-00-3	Chloroethane	1600	U
67-66-3	Chloroform	1600	U
74-87-3	Chloromethane	1600	U
75-34-3	1,1-Dichloroethane	1600	U
107-06-2	1,2-Dichloroethane	1600	U
75-35-4	1,1-Dichloroethene	1600	U
540-59-0	1,2-Dichloroethene (total)	1600	U
78-87-5	1,2-Dichloropropane	1600	U
10061-01-5	cis-1,3-Dichloropropene	1600	U
10061-02-6	trans-1,3-Dichloropropene	1600	U
100-41-4	**Ethylbenzene**	**11000**	
591-78-6	2-Hexanone	1600	U
75-09-2	Methylene chloride	1600	U
108-10-1	4-Methyl-2-pentanone	1600	U
100-42-5	Styrene	1600	U
79-34-5	1,1,2,2-Tetrachloroethane	1600	U
127-18-4	Tetrachloroethene	1600	U
108-88-3	Toluene	1600	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH31AC Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-80
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-55-6	1,1,1-Trichloroethane	1600	U
79-00-5	1,1,2-Trichloroethane	1600	U
79-01-6	Trichloroethene	1600	U
75-01-4	Vinyl chloride	1600	U
1330-20-7	**Xylenes (total)**	**49000**	

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH31AC Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-80
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
620-14-4	Benzene, 1-ethyl-3-methyl-	9.4049	23000	NJ
108-67-8	Benzene, 1,3,5-trimethyl-	9.5706	65000	NJ
103-65-1	Benzene, propyl-	9.0381	20000	NJ
611-14-3	Benzene, 1-ethyl-2-methyl-	9.1209	96000	NJ
95-36-3	1,2,4-Trimethylbenzene	9.2038	41000	NJ
535-77-3	Benzene, 1-methyl-3-(1-methy	9.8309	2300	NJ
108-67-8	Benzene, 1,3,5-trimethyl-	9.9847	17000	NJ
135-01-3	Benzene, 1,2-diethyl-	10.174	27000	NJ
933-98-2	Benzene, 1-ethyl-2,3-dimethy	10.256	18000	NJ
934-74-7	Benzene, 1-ethyl-3,5-dimethy	10.564	8000	NJ
934-80-5	Benzene, 4-ethyl-1,2-dimethy	10.635	12000	NJ
874-41-9	Benzene, 1-ethyl-2,4-dimethy	10.765	2100	NJ
2870-04-4	Benzene, 2-ethyl-1,3-dimethy	10.943	2000	NJ
527-53-7	Benzene, 1,2,3,5-tetramethyl	11.037	2700	NJ
488-23-3	Benzene, 1,2,3,4-tetramethyl	11.085	3800	NJ
2049-95-8	Benzene, (1,1-dimethylpropyl	11.156	2800	NJ
768-00-3	Benzene, (1-methyl-1-propeny	11.357	2300	NJ
527-84-4	Benzene, 1-methyl-2-(1-methy	11.511	5200	NJ
4920-99-4	Benzene, 1-ethyl-3-(1-methyl	11.878	4600	NJ
4218-48-8	Benzene, 1-ethyl-4-(1-methyl	12.008	3000	NJ
91-20-3	Naphthalene	12.15	8100	NJ
13632-94-5	Benzene, 1,4-diethyl-2-methy	12.339	2200	NJ
475-03-6	Naphthalene, 1,2,3,4-tetrahy	12.398	2100	NJ
6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	12.54	2900	NJ
17059-48-2	1H-Indene, 2,3-dihydro-1,6-d	12.73	3900	NJ
700-12-9	Benzene, pentamethyl-	12.883	2800	NJ

FORM I - TIC

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH31AC Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-80
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	12.954	1900	NJ
4453-90-1	1,4-Methanonaphthalene, 1,4-	13.38	14000	NJ
91-57-6	Naphthalene, 2-methyl-	13.629	8800	NJ
1127-76-0	Naphthalene, 1-ethyl-	14.717	2300	NJ
98-82-8	Isopropylbenzene	8.635	5200	

FORM I - TIC

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\H01108A.b\UX81532.D

Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

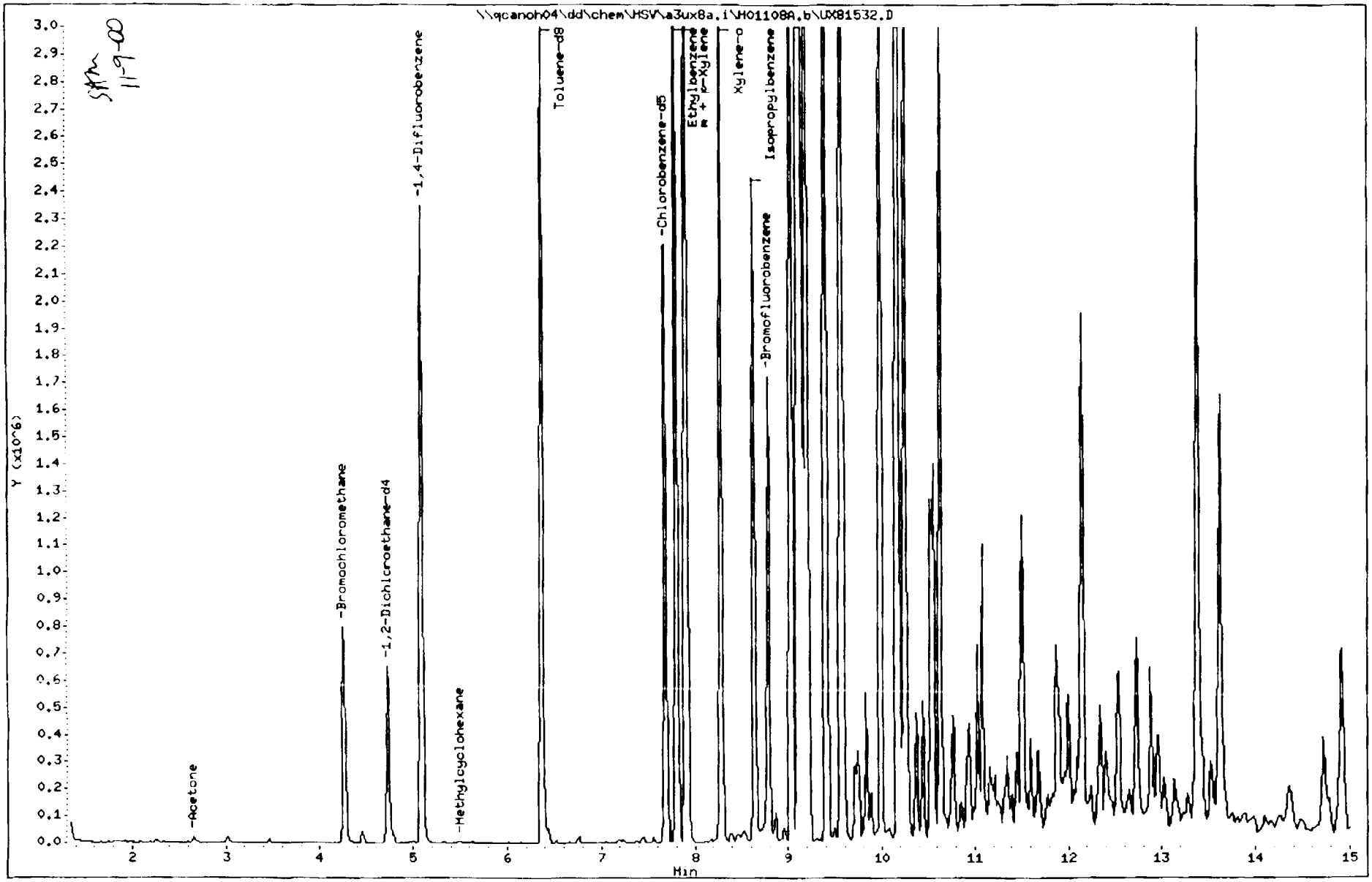
Sample Info: DPDH31AC,,2,100UL/5ML

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



STL North Canton

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81532.D
Lab Smp Id: DPDH31AC Client Smp ID: SL-80-5.0'
Inj Date : 08-NOV-2000 21:53
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPDH31AC,,2,100UL/5ML
Misc Info : M01108A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.257	4.269	(1.000)	335621	250.000	
* 2 1,4-Difluorobenzene	114	5.097	5.097	(1.000)	2355905	250.000	
* 3 Chlorobenzene-d5	117	7.689	7.689	(1.000)	1813388	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.731	4.730	(1.111)	504360	253.348	6333.7
$ 5 Toluene-d8	98	6.375	6.375	(0.829)	2472649	254.696	6367.4
$ 6 Bromofluorobenzene	95	8.789	8.789	(1.143)	712484	233.116	5827.9
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	Compound Not Detected.					
14 Acetone	43	2.660	2.660	(0.625)	25966	63.3445	1583.6
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	7.807	7.807	(1.015)	1414436	341.708	8542.7
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.914	7.913	(1.029)	5365743	1079.24	26981(A)
	44 Xylene-o	106	8.292	8.292	(1.078)	1652946	363.311	9082.8
M	80 Xylenes (total)	106				7018689	1542.68	38567(A)
	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.					
	90 Cyclohexane	56	Compound Not Detected.					
	92 Methyl Acetate	43	Compound Not Detected.					
	93 Methylcyclohexane	83	5.500	5.499	(1.079)	4298	0.87890	21.972(a)
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Isopropylbenzene	105	8.635	8.635	(1.123)	1937719	164.167	4104.2
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81532.D

Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

Sample Info: DPDH31AC,,2,100UL/5ML

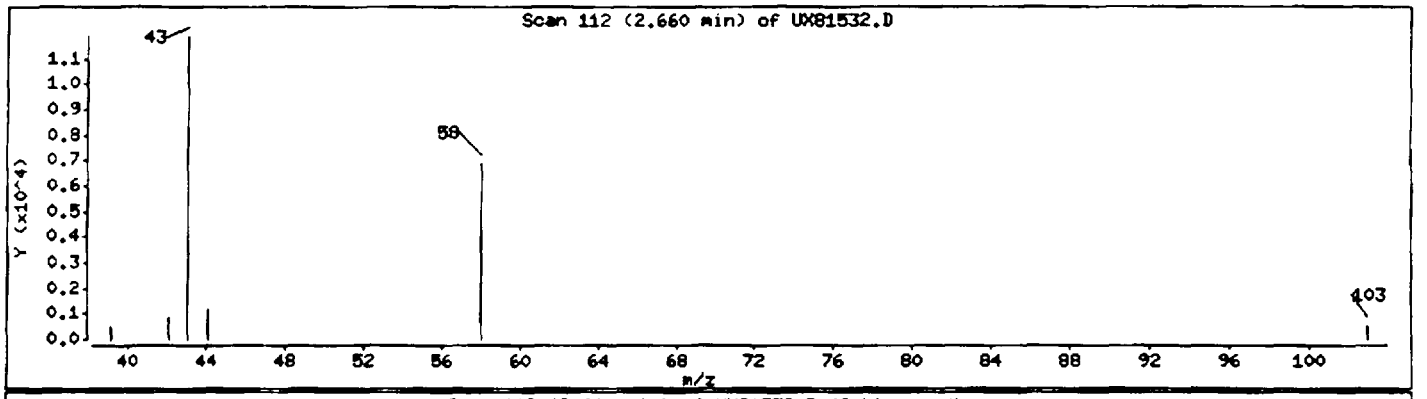
Operator: 2807

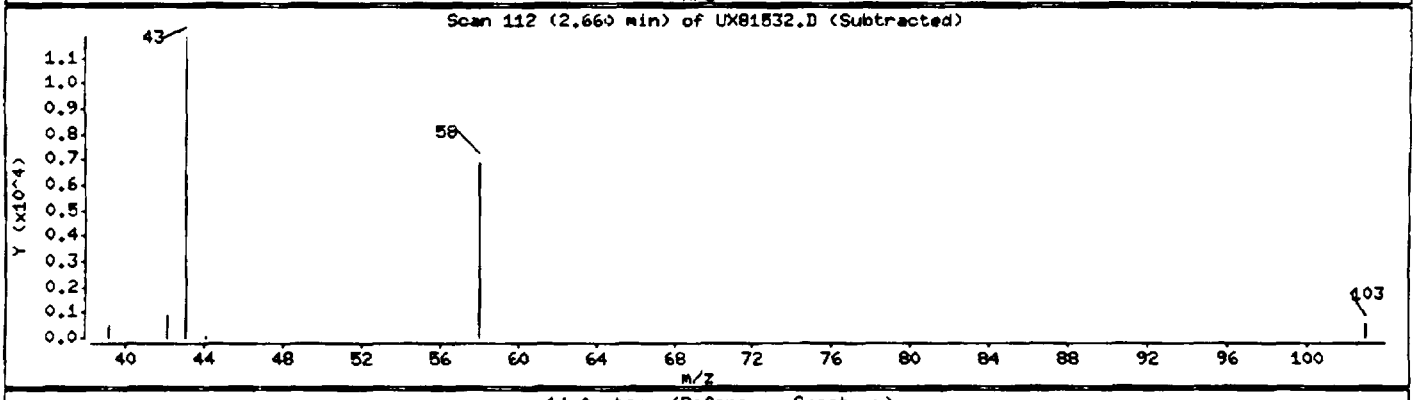
Column phase: DB624 20m

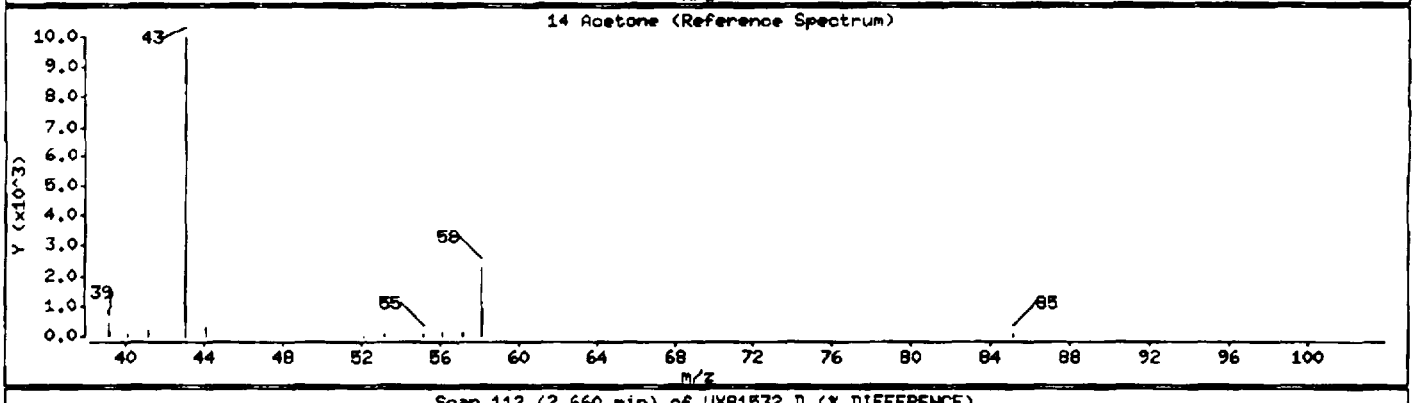
Column diameter: 0.18

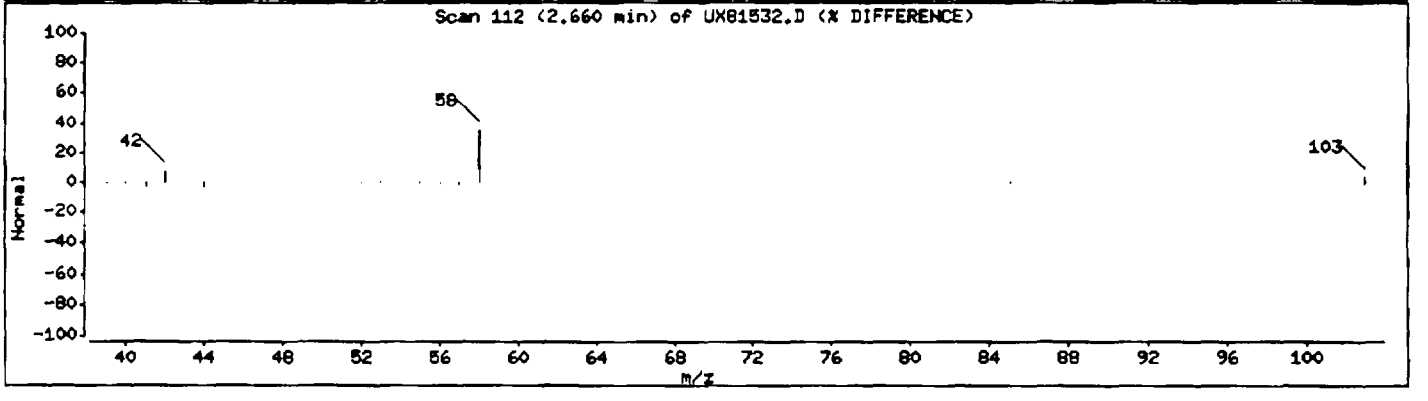
14 Acetone

Concentration: 1583.6 UG/KG









Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81532.D

Date : 08-NOV-2000 21:53

Client ID: SL-80-8.0'

Instrument: a3ux8a.i

Sample Info: DPDH31AC,,2,100UL/5ML

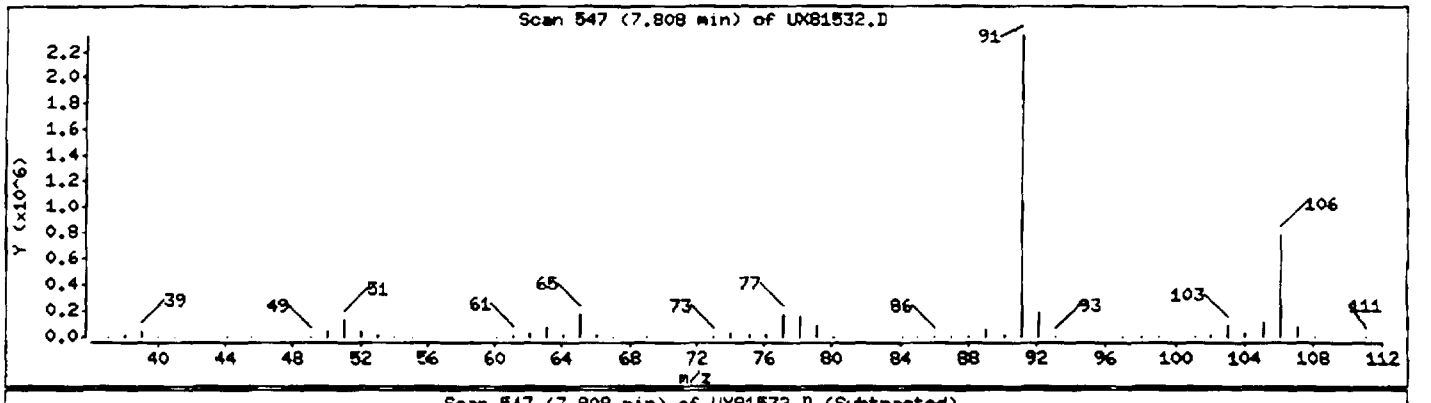
Operator: 2807

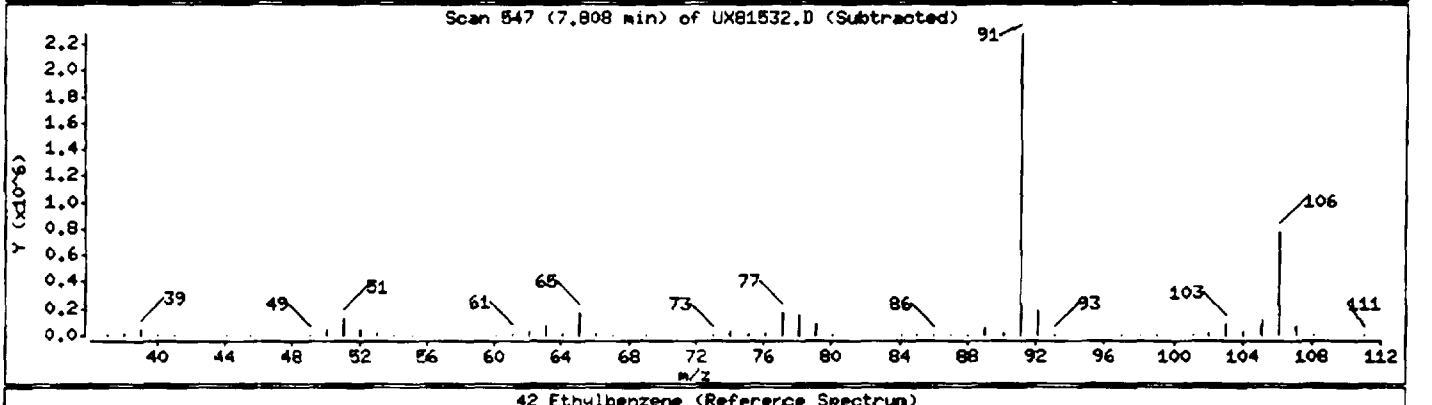
Column phase: DB624 20m

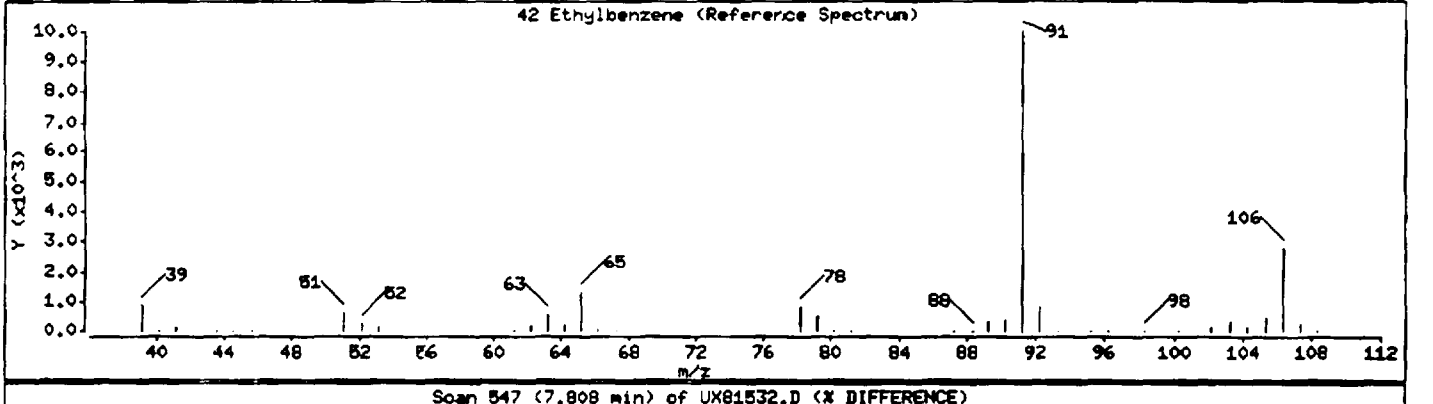
Column diameter: 0.18

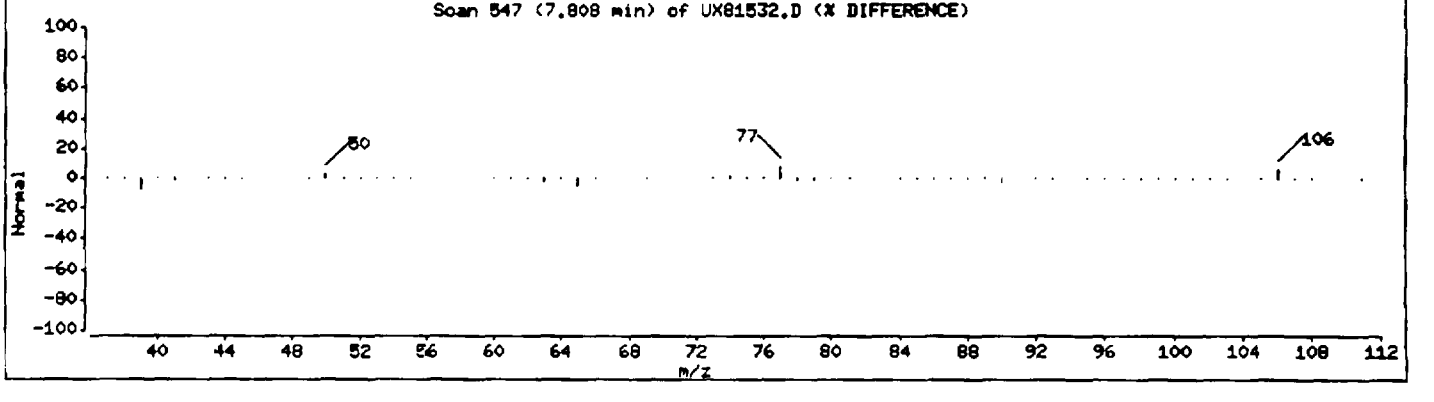
42 Ethylbenzene

Concentration: 8542.7 UG/KG









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Date : 08-NOV-2000 21:53

Client ID: SL-80-6.0'

Instrument: a3ux8a.i

Sample Info: DPDW31AC,,2,100UL/5ML

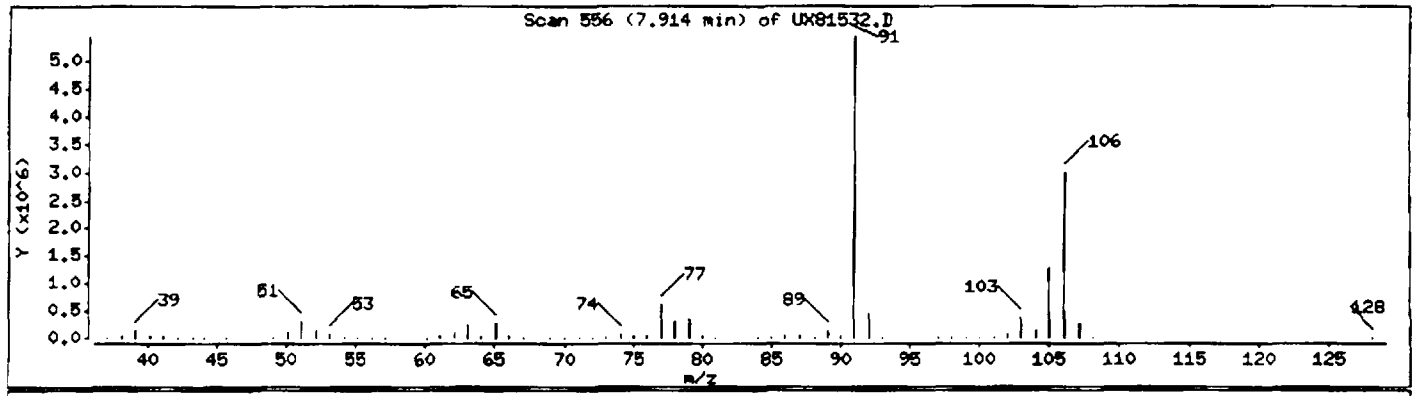
Operator: 2807

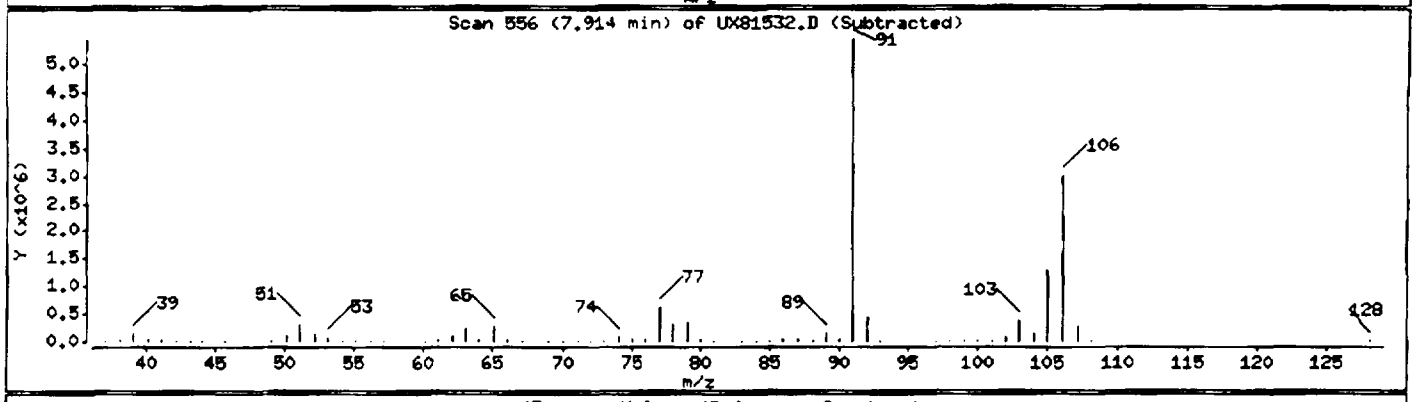
Column phase: DB624 20m

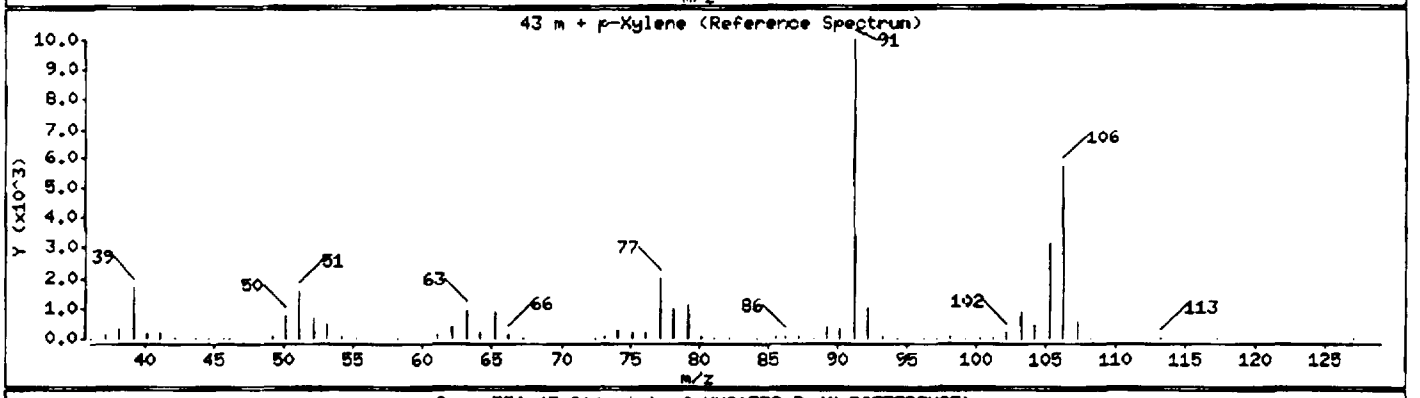
Column diameter: 0.18

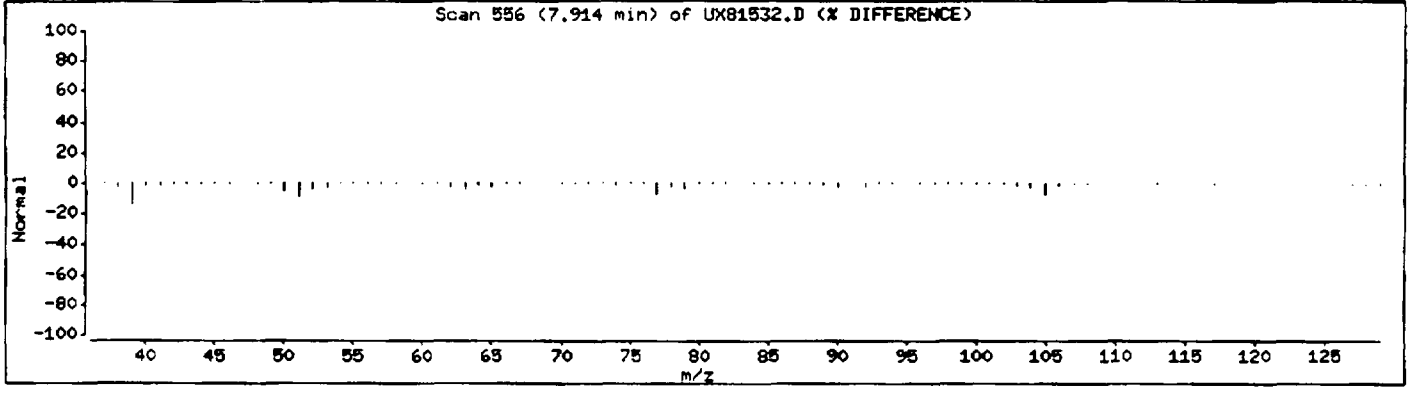
43 m + p-Xylene

Concentration: 26981 UG/KG









Data File: \\qcanch04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81532.D

Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

Sample Info: DPDH31AC,,2,100UL/5ML

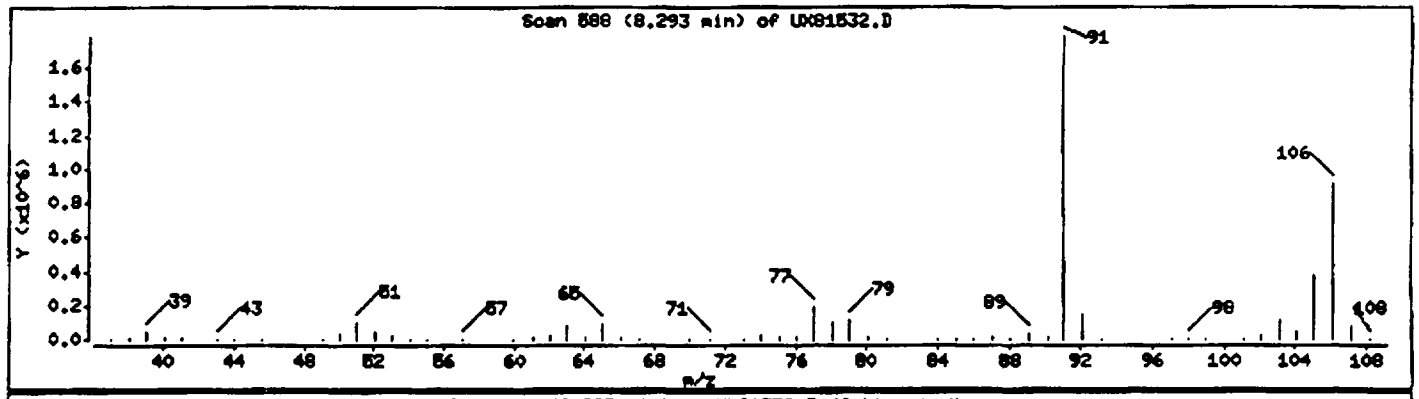
Operator: 2807

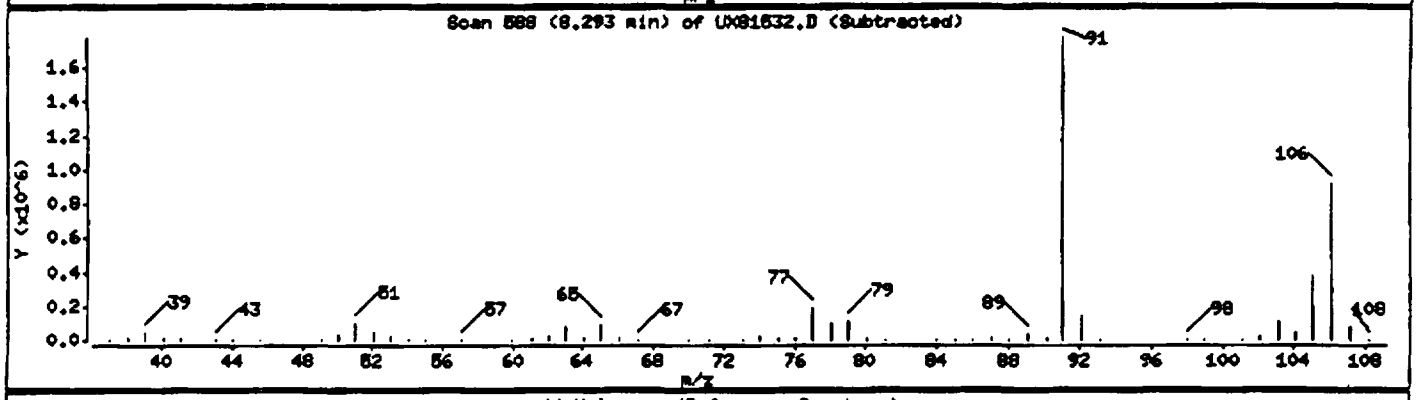
Column phase: DB624 20m

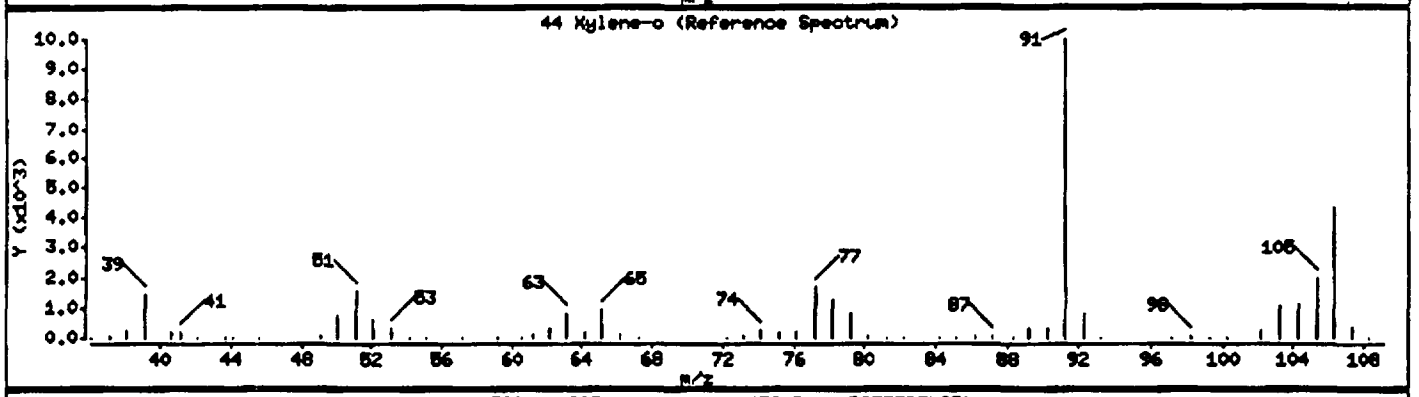
Column diameter: 0.18

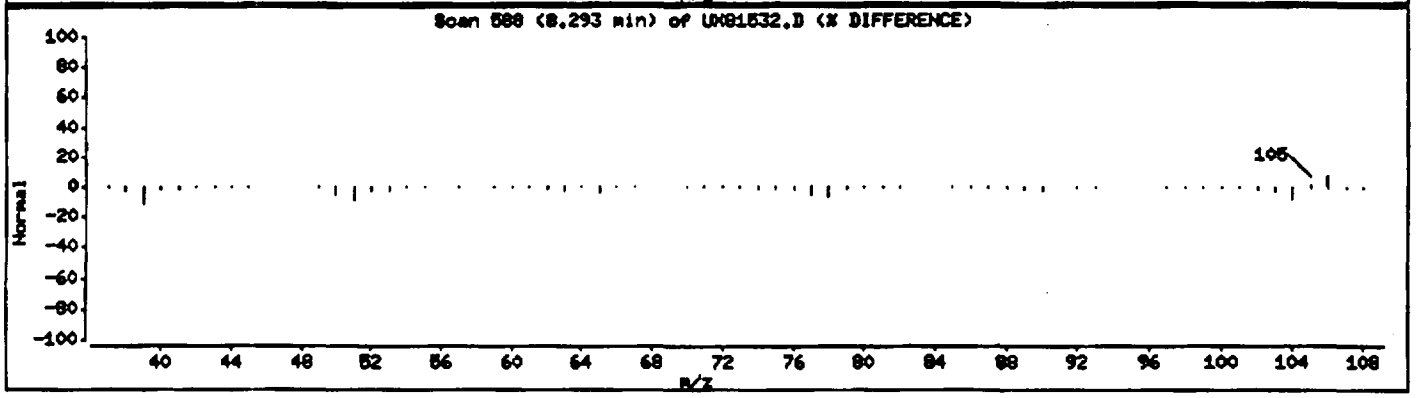
44 Xylene-o

Concentration: 9082.8 UG/KG









STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81532.D
Lab Smp Id: DPDH31AC Client Smp ID: SL-80-5.0'
Inj Date : 08-NOV-2000 21:53
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPDH31AC,,2,100UL/5ML
Misc Info : M01108A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

ISTD	RT	AREA	AMOUNT
* 3 Chlorobenzene-d5	7.689	4538341	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(UG/KG)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, propyl-					CAS #: 103-65-1		
9.038	11374557	626.581222	15664	78	NBS75K.1	64583	3
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
9.121	55049182	3032.45073	75811	95	NBS75K.1	64559	3

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
1,2,4-Trimethylbenzene					CAS #: 95-36-3		
9.204	23308137	1283.95690	32099	94	NBS75K.1	3771	3(L)
Benzene, 1-ethyl-3-methyl-					CAS #: 620-14-4		
9.405	12865533	708.713437	17718	91	NBS75K.1	3769	3(L)
Benzene, 1,3,5-trimethyl-					CAS #: 108-67-8		
9.571	37103099	2043.86906	51097	95	NBS75K.1	64569	3
Benzene, 1-methyl-3-(1-methylethyl)-					CAS #: 535-77-3		
9.831	1338364	73.7253988	1843.1	97	NBS75K.1	65579	3
Benzene, 1,3,5-trimethyl-					CAS #: 108-67-8		
9.985	9666902	532.512982	13313	94	NBS75K.1	64569	3
Benzene, 1,2-diethyl-					CAS #: 135-01-3		
10.174	15477018	852.570245	21314	94	NBS75K.1	65562	3
Benzene, 1-ethyl-2,3-dimethyl-					CAS #: 933-98-2		
10.257	10114639	557.177116	13929	91	NBS75K.1	65555	3
Benzene, 1-ethyl-3,5-dimethyl-					CAS #: 934-74-7		
10.565	4579874	252.287896	6307.2	91	NBS75K.1	65553	3(L)
Benzene, 4-ethyl-1,2-dimethyl-					CAS #: 934-80-5		
10.636	6919454	381.166488	9529.2	96	NBS75K.1	65569	3
Benzene, 1-ethyl-2,4-dimethyl-					CAS #: 874-41-9		
10.766	1214458	66.8998870	1672.5	55	NBS75K.1	65573	3
Benzene, 2-ethyl-1,3-dimethyl-					CAS #: 2870-04-4		
10.943	1123570	61.8932116	1547.3	93	NBS75K.1	6200	3(L)
Benzene, 1,2,3,5-tetramethyl-					CAS #: 527-53-7		
11.038	1563284	86.1153889	2152.9	95	NBS75K.1	65571	3(L)
Benzene, 1,2,3,4-tetramethyl-					CAS #: 488-23-3		
11.085	2175598	119.845446	2996.1	97	NBS75K.1	6202	3
Benzene, (1,1-dimethylpropyl)-					CAS #: 2049-95-8		
11.156	1610382	88.7098391	2217.7	50	NBS75K.1	66630	3
Benzene, (1-methyl-1-propenyl)-, (E)-					CAS #: 768-00-3		
11.357	1291999	71.1713267	1779.3	91	NBS75K.1	5872	3

RT	AREA	CONCENTRATIONS ON-COL (ng)	FINAL (UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, 1-methyl-2-(1-methylethyl)-					CAS #: 527-84-4		
11.511	2955431	162.803489	4070.1	64	NBS75K.1	65581	3(L)
Benzene, 1-ethyl-3-(1-methylethyl)-					CAS #: 4920-99-4		
11.878	2636901	145.256879	3631.4	87	NBS75K.1	9388	3
Benzene, 1-ethyl-4-(1-methylethyl)-					CAS #: 4218-48-8		
12.008	1718526	94.6670821	2366.7	86	NBS75K.1	66622	3
Naphthalene					CAS #: 91-20-3		
12.150	4634181	255.279462	6382.0	91	NBS75K.1	65151	3
Benzene, 1,4-diethyl-2-methyl-					CAS #: 13632-94-5		
12.340	1280446	70.5349157	1763.4	86	NBS75K.1	9393	3
Naphthalene, 1,2,3,4-tetrahydro-1,1,6-tr					CAS #: 475-03-6		
12.399	1203925	66.3196639	1658.0	86	NBS75K.1	68472	3
1H-Indene, 2,3-dihydro-4,7-dimethyl-					CAS #: 6682-71-9		
12.541	1633616	89.9897121	2249.7	95	NBS75K.1	8955	3
1H-Indene, 2,3-dihydro-1,6-dimethyl-					CAS #: 17059-48-2		
12.730	2230213	122.853979	3071.3	70	NBS75K.1	8967	3(L)
Benzene, pentamethyl-					CAS #: 700-12-9		
12.884	1618975	89.1831949	2229.6	87	NBS75K.1	66638	3
1H-Indene, 2,3-dihydro-1,2-dimethyl-					CAS #: 17057-82-8		
12.955	1079679	59.4754228	1486.9	76	NBS75K.1	8947	3
1,4-Methanonaphthalene, 1,4-dihydro-					CAS #: 4453-90-1		
13.381	8107131	446.591111	11165	86	NBS75K.1	8112	3(L)
Naphthalene, 2-methyl-					CAS #: 91-57-6		
13.629	5044223	277.867121	6946.7	94	NBS75K.1	66237	3
Naphthalene, 1-ethyl-					CAS #: 1127-76-0		
14.718	1322456	72.8490874	1821.2	93	NBS75K.1	67342	3

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\qcanch04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81532.D

Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

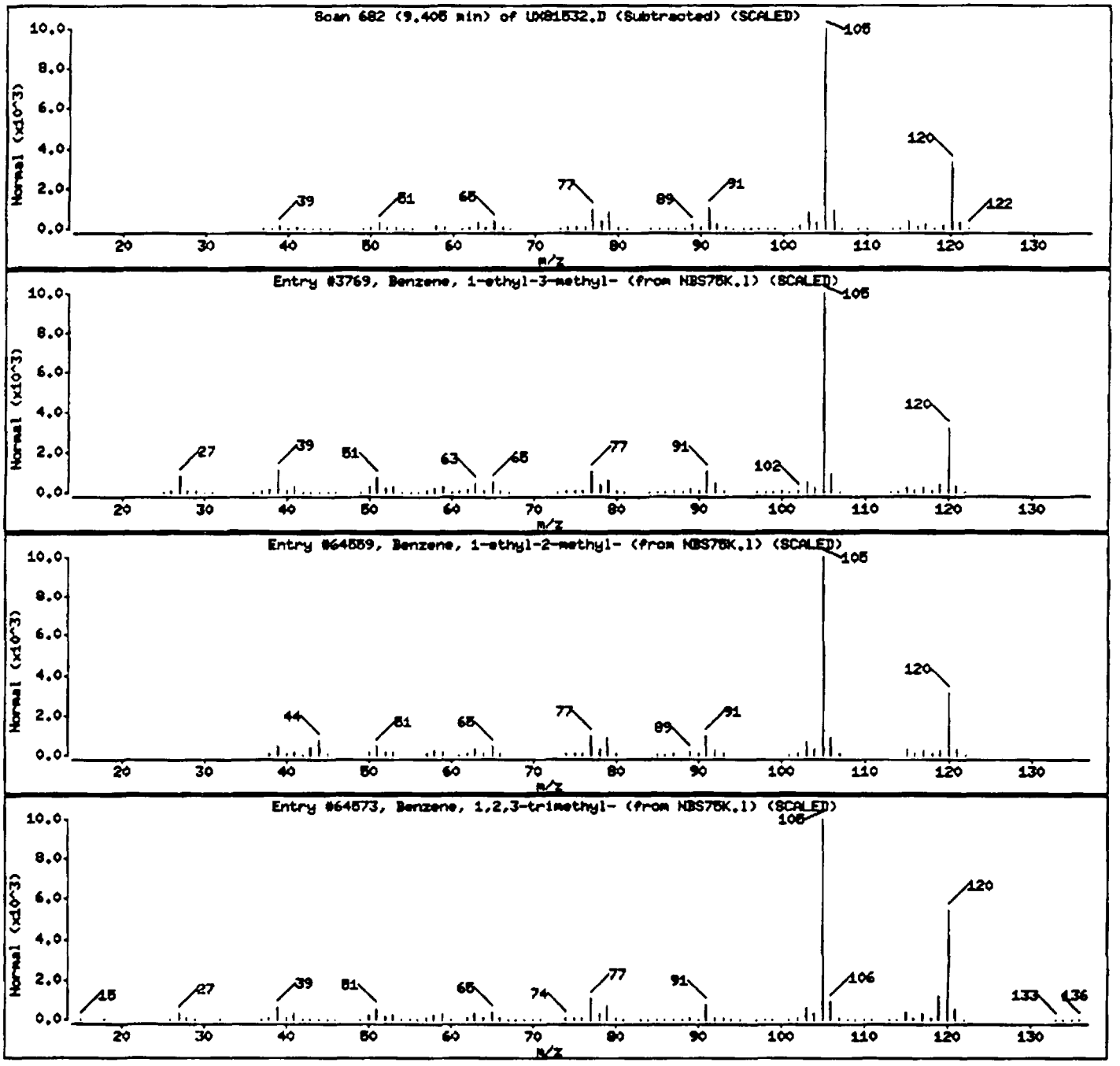
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2907

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	3769	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64559	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64573	91	C9H12	120



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

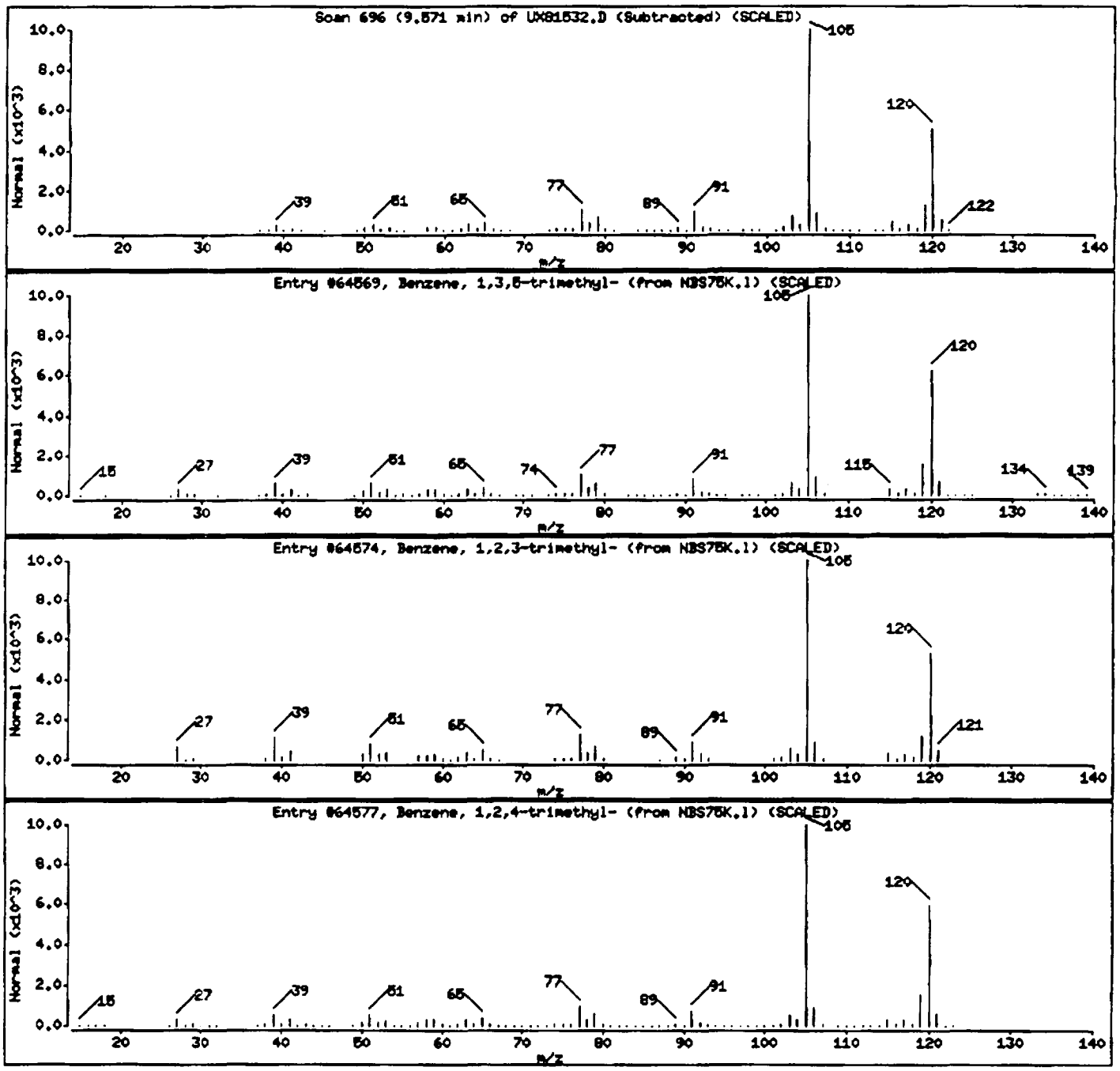
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64574	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64577	94	C9H12	120



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

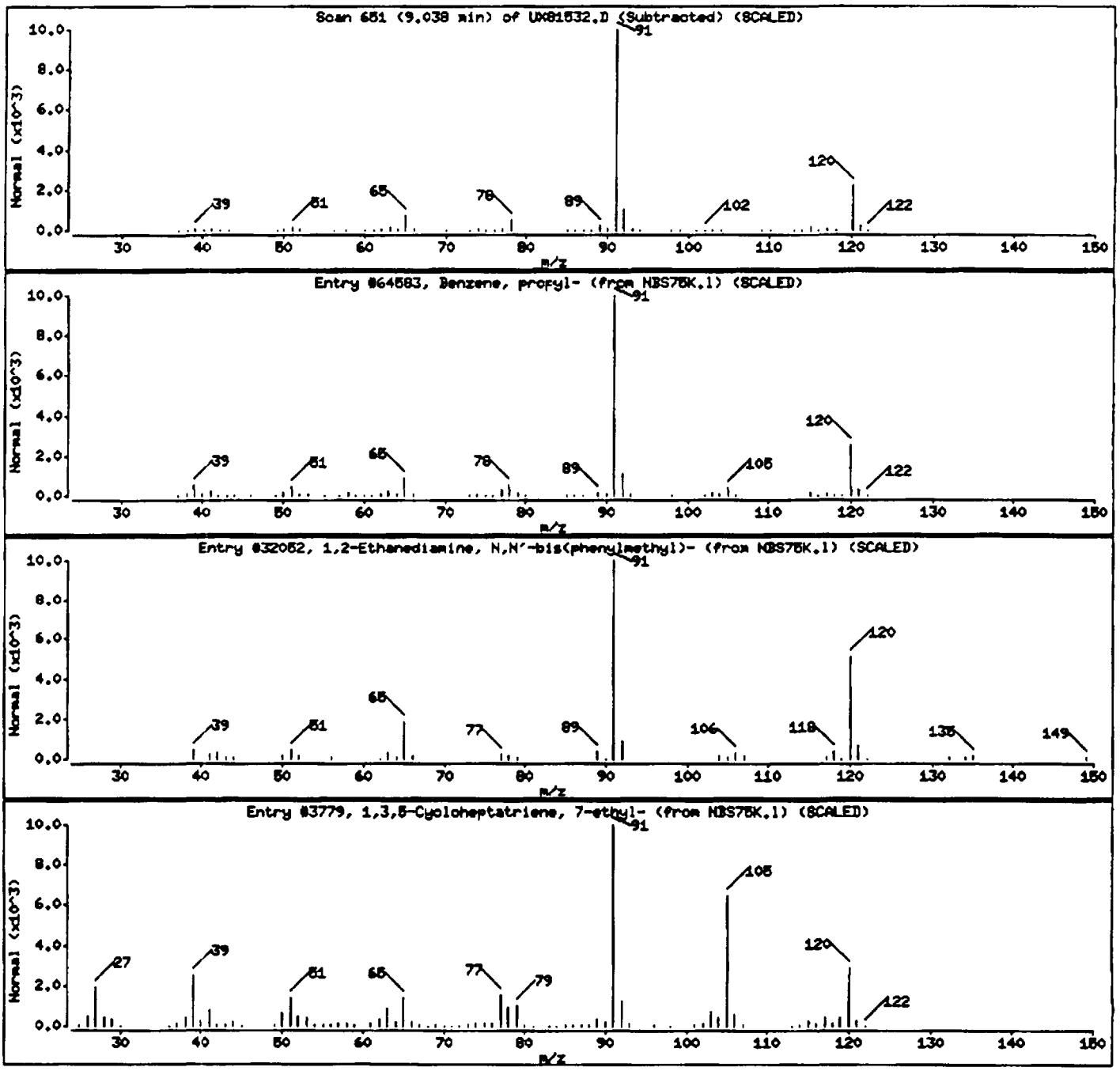
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NBS75K.l	64583	78	C9H12	120
1,2-Ethanediamine, N,N'-bis(phenylmethyl	140-28-3	NBS75K.l	32052	38	C16H20N2	240
1,3,5-Cycloheptatriene, 7-ethyl-	17634-51-4	NBS75K.l	3779	36	C9H12	120



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

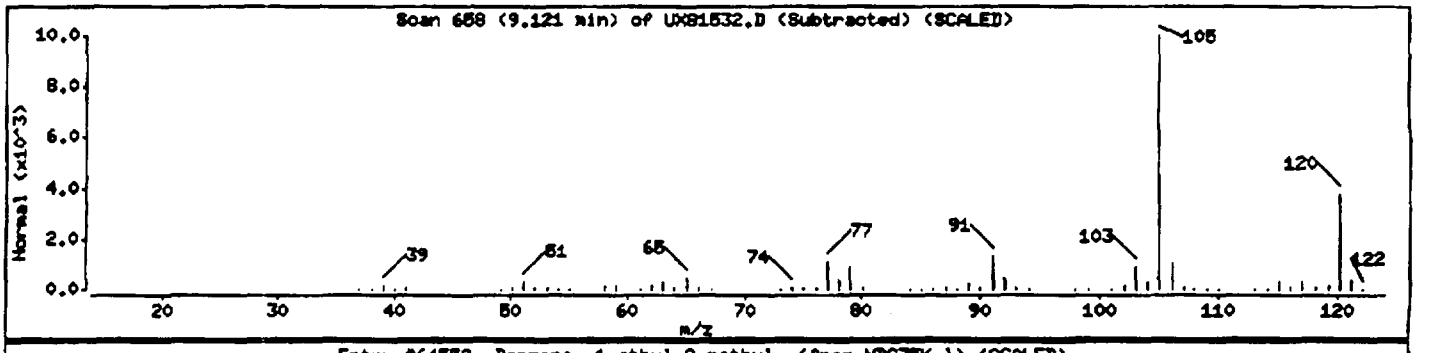
Sample Info: DPIH31AC,,2,100UL/5ML

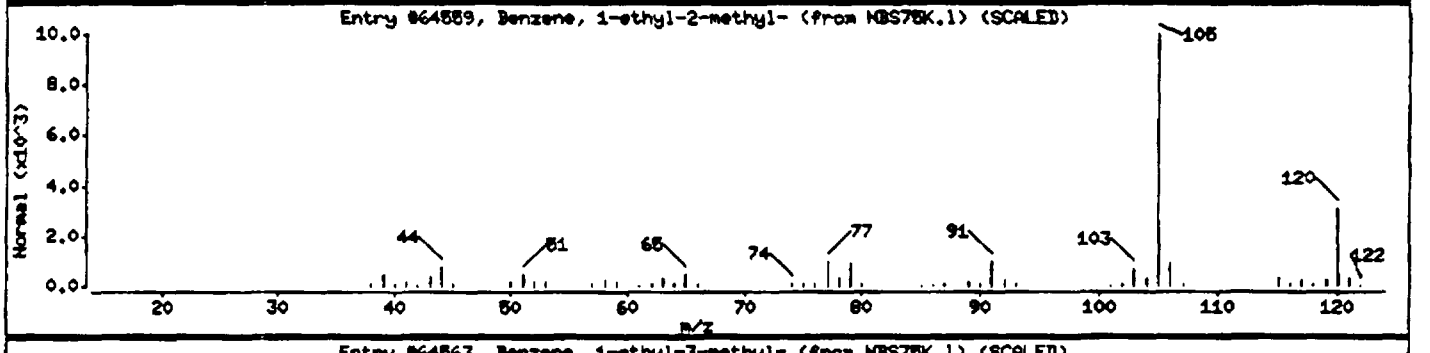
Operator: 2807

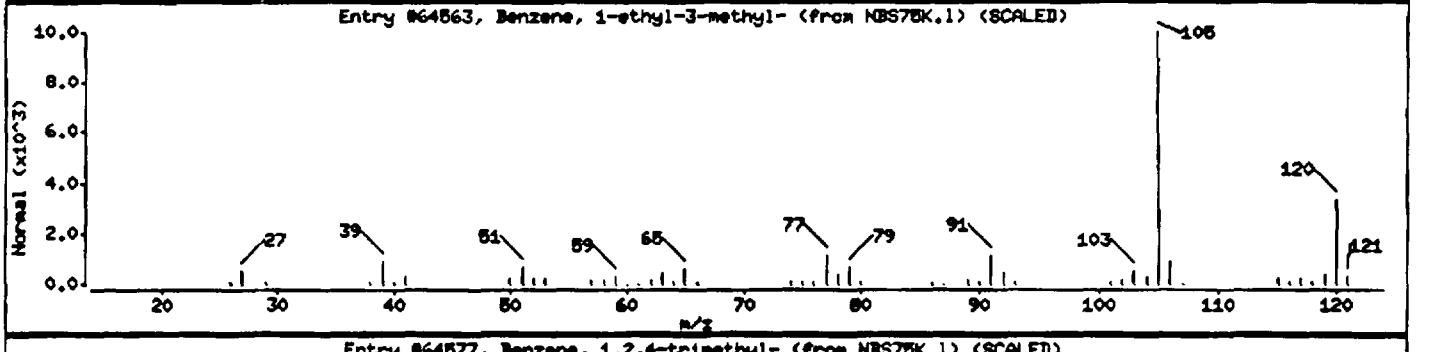
Column phase: DB624 20m

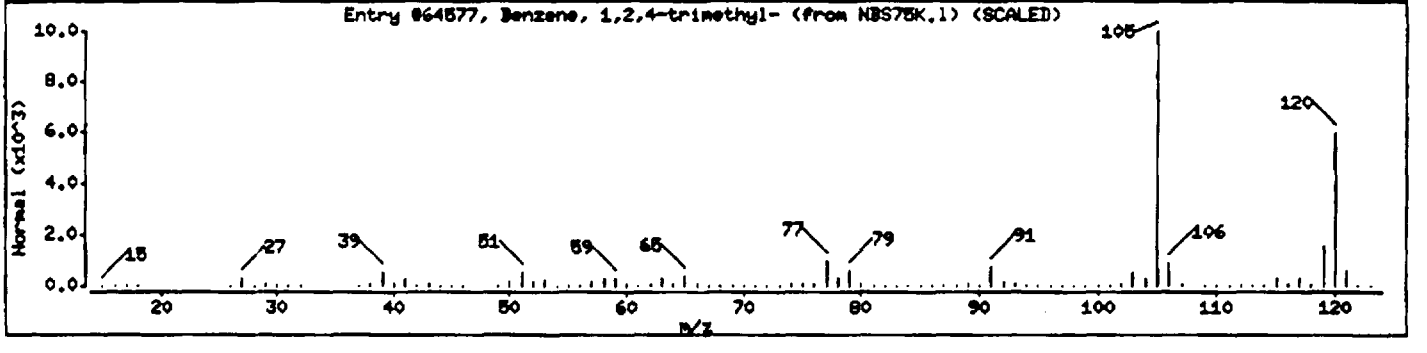
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64559	95	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64577	91	C9H12	120









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

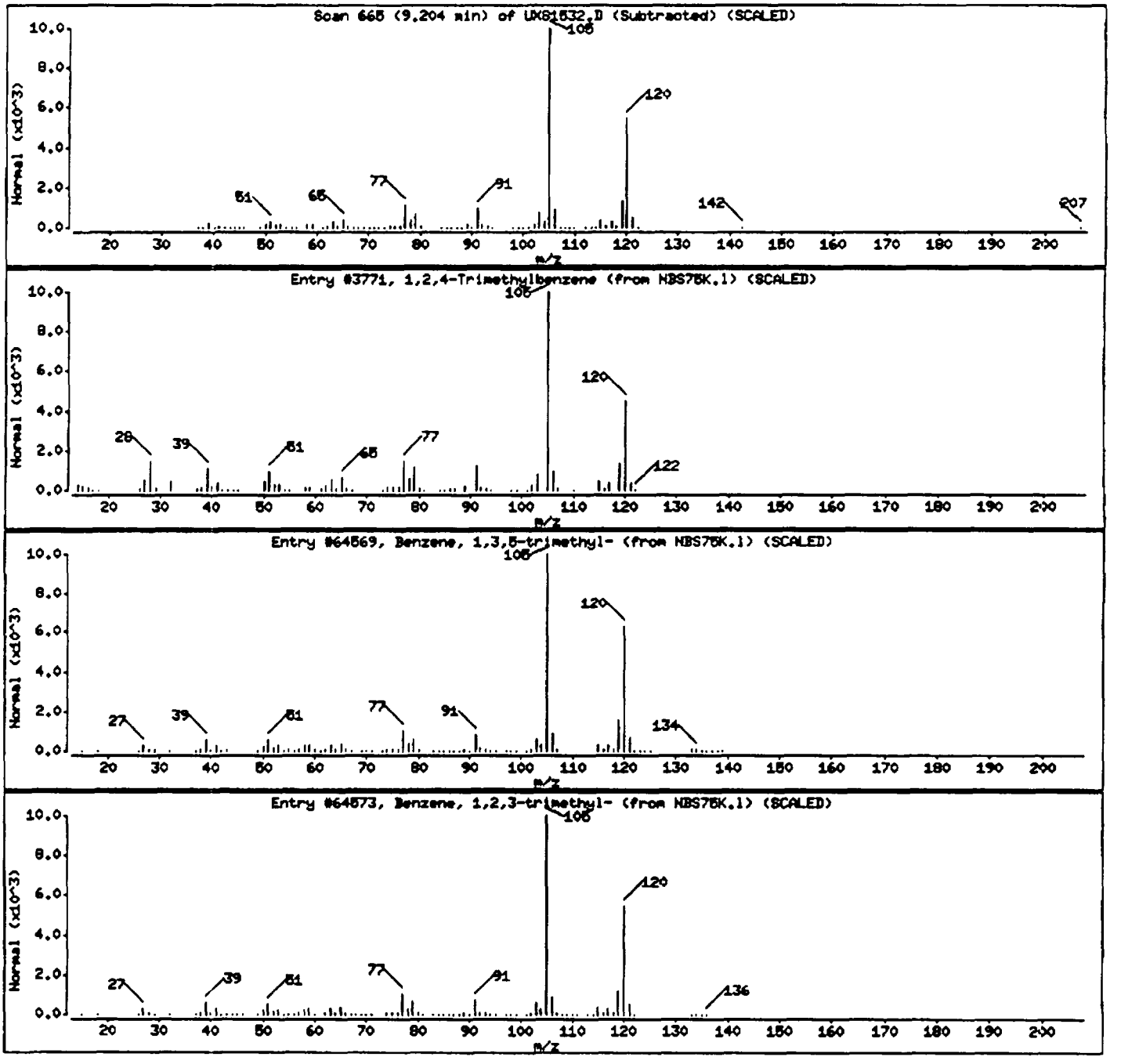
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	94	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64573	94	C9H12	120



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

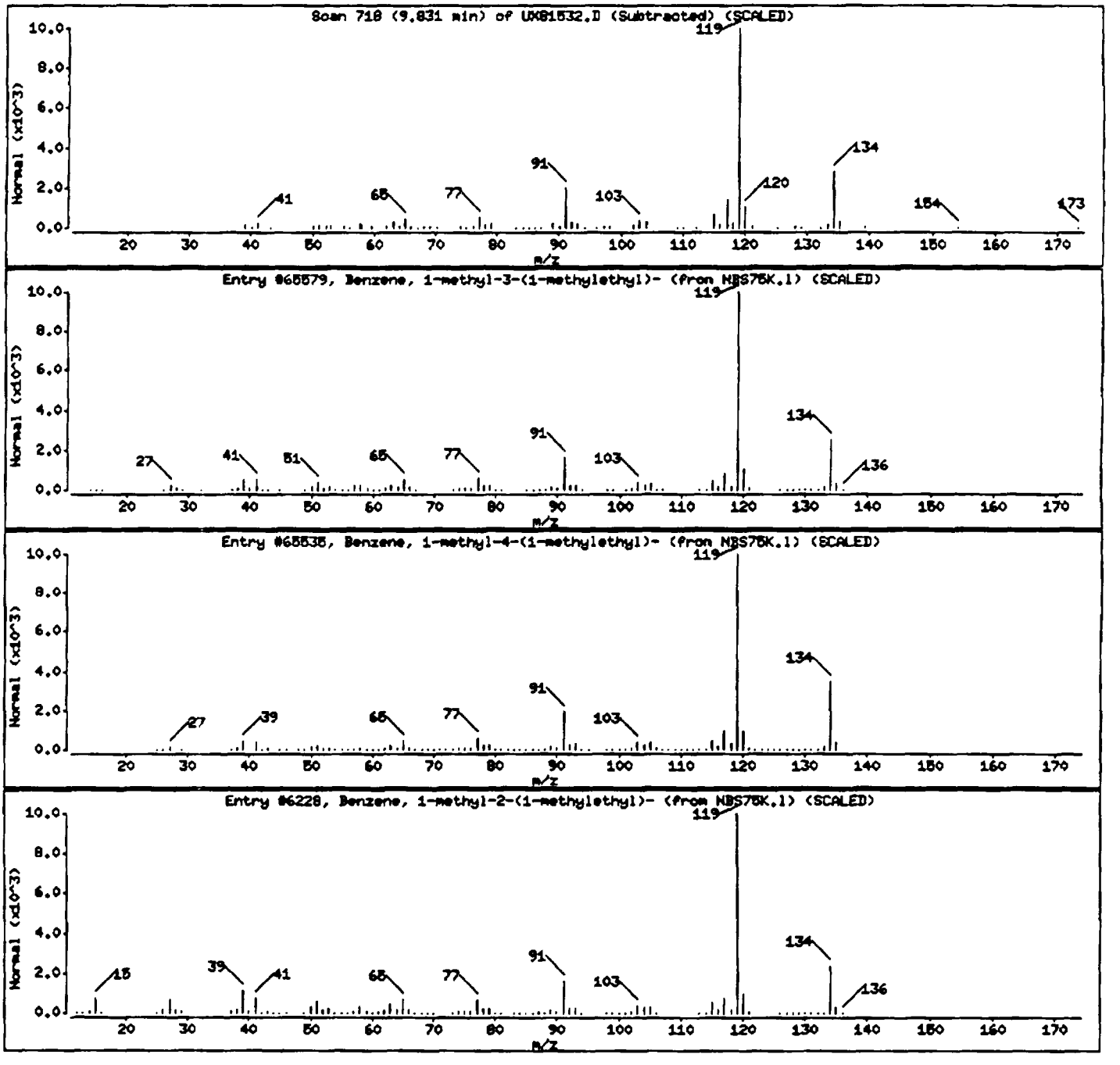
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	97	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	97	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	6228	95	C10H14	134



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

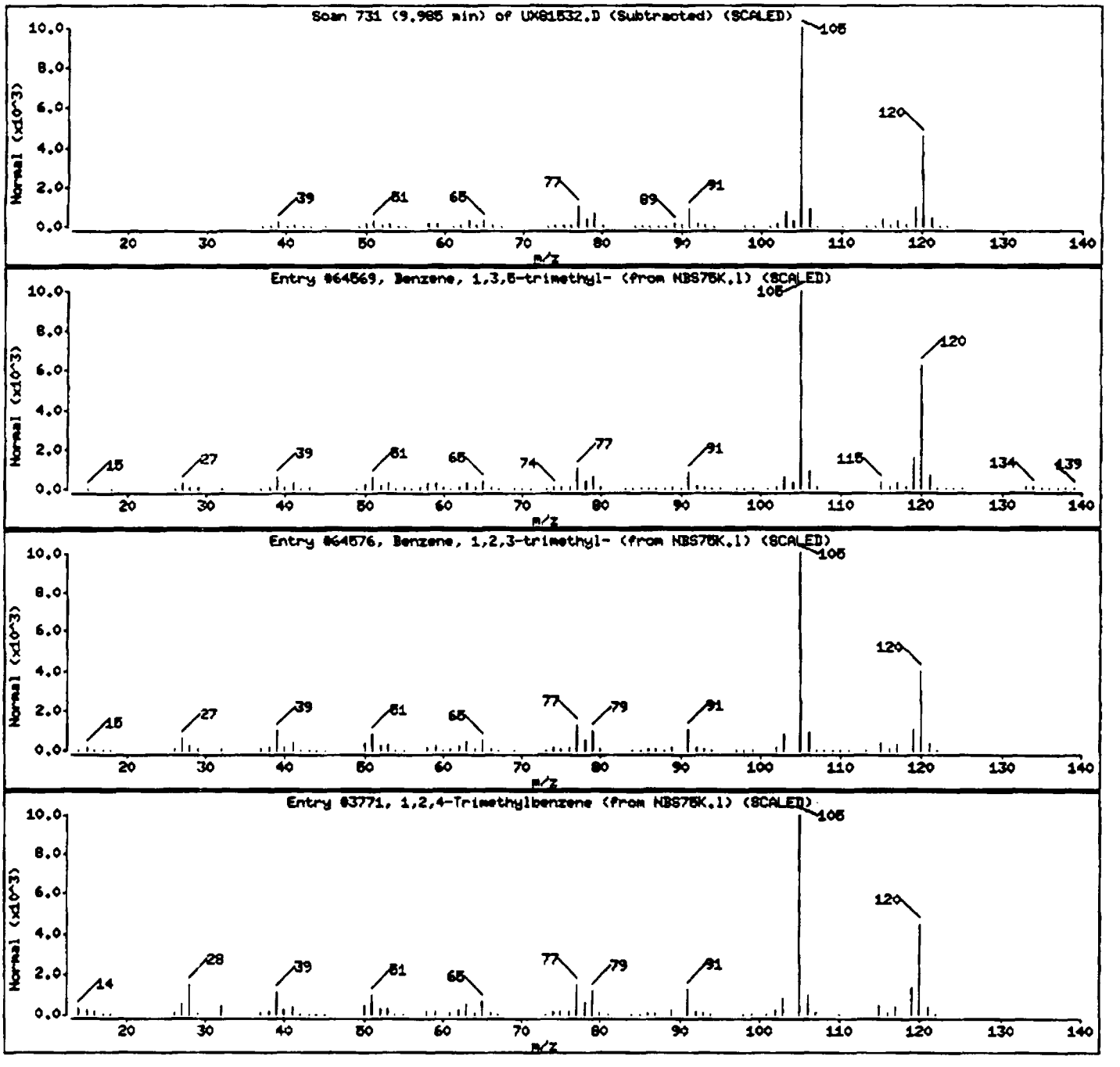
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64576	93	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	93	C9H12	120



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

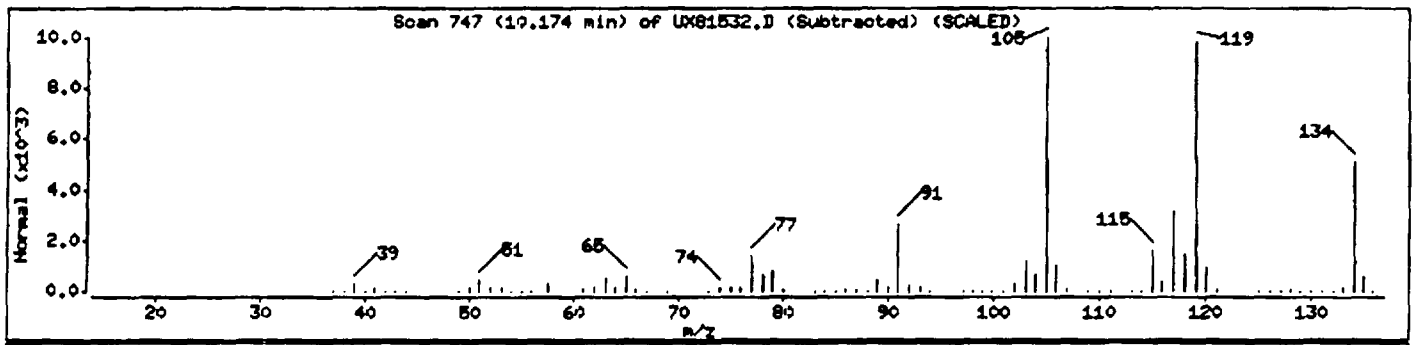
Sample Info: DPDH31AC,,2,100UL/5ML

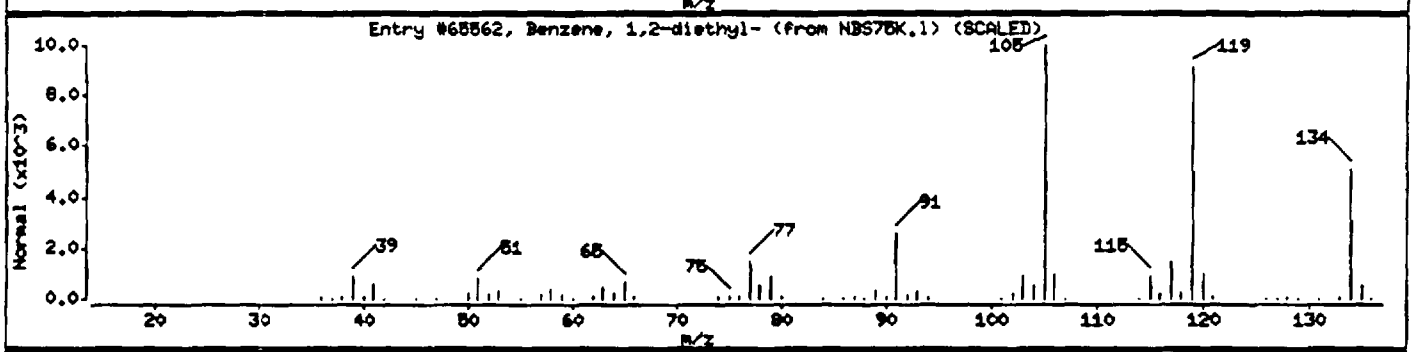
Operator: 2807

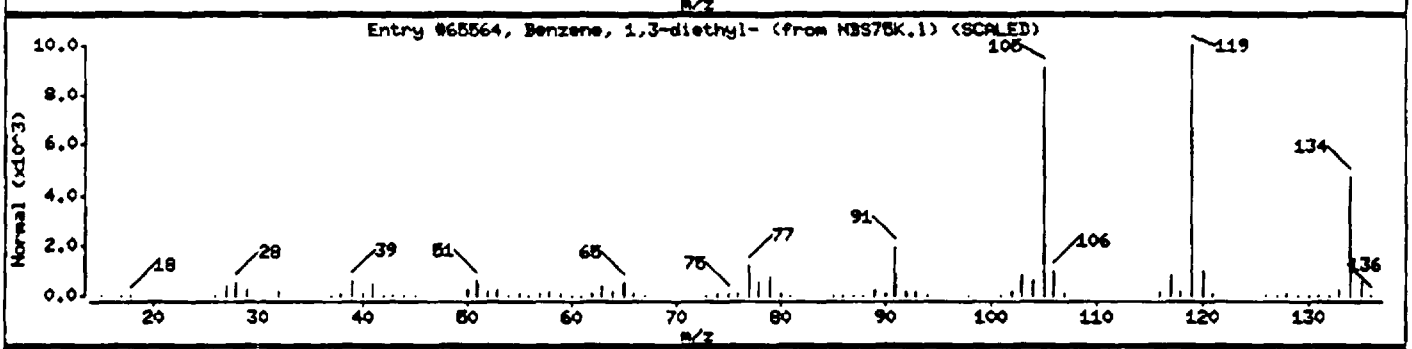
Column phase: DB624 20m

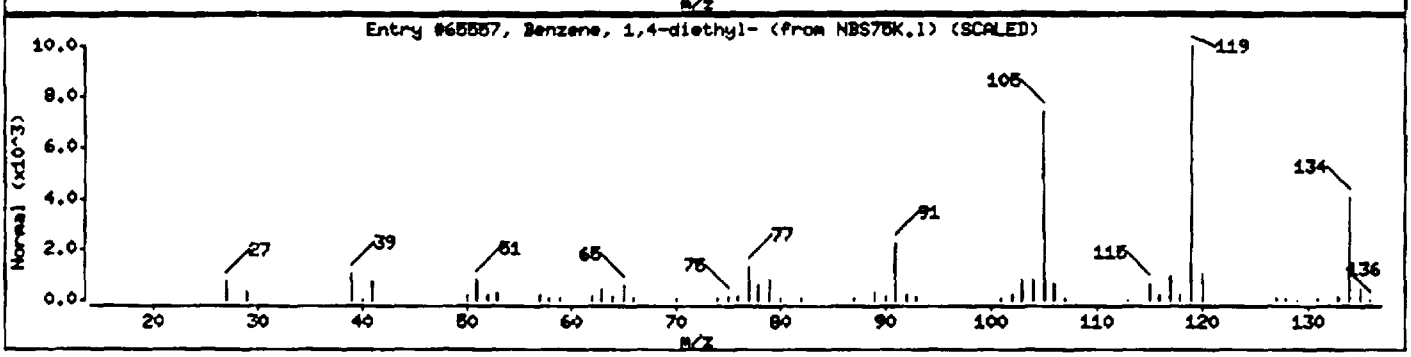
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	94	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65564	93	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65557	90	C10H14	134









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

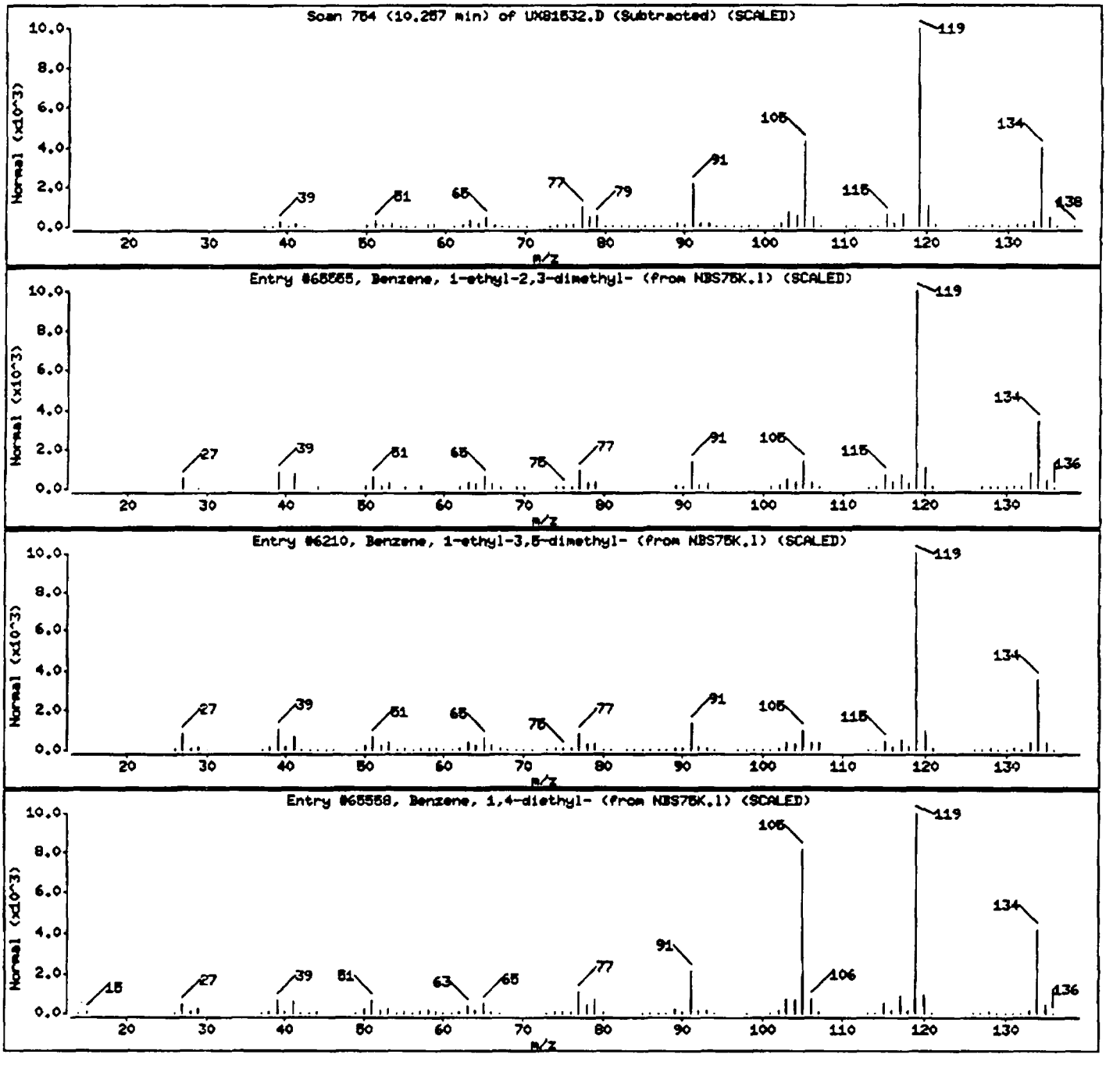
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	65555	91	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.l	6210	91	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65558	91	C10H14	134



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

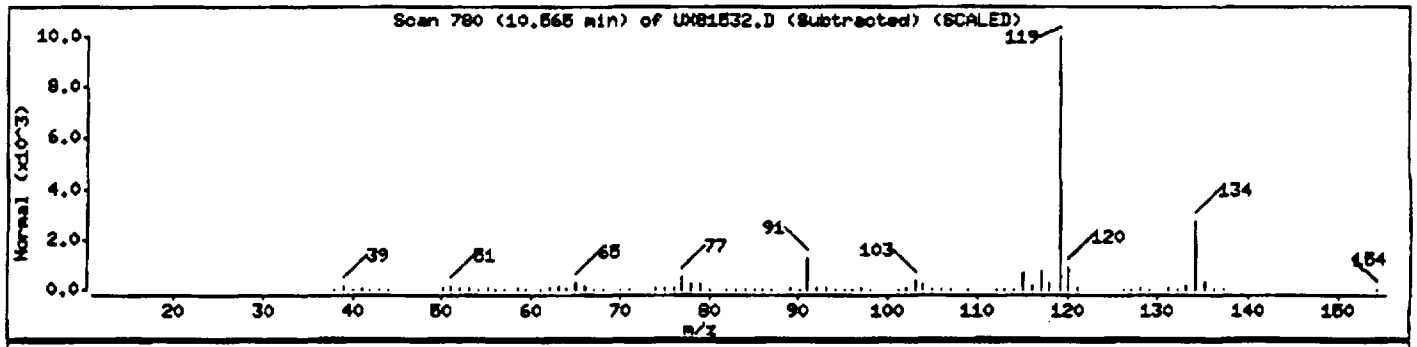
Sample Info: DPDW31AC,,2,100UL/5ML

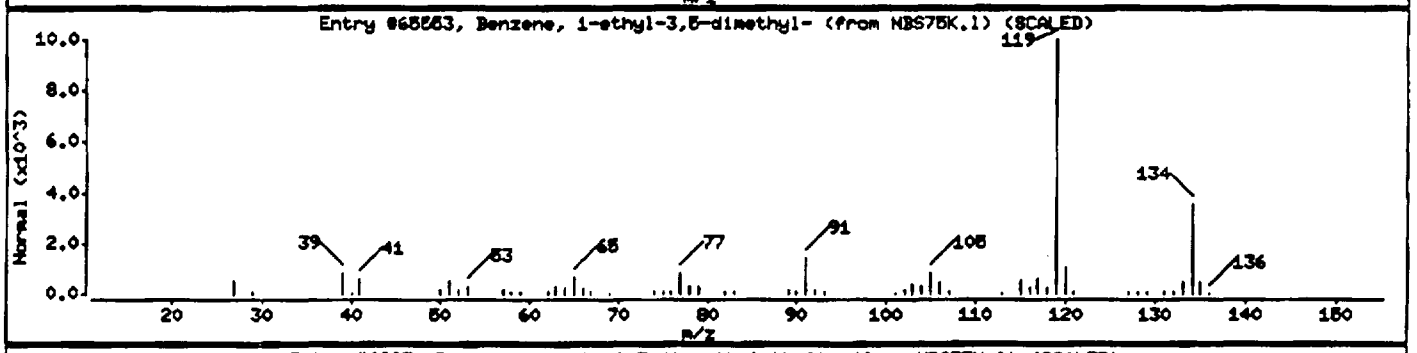
Operator: 2807

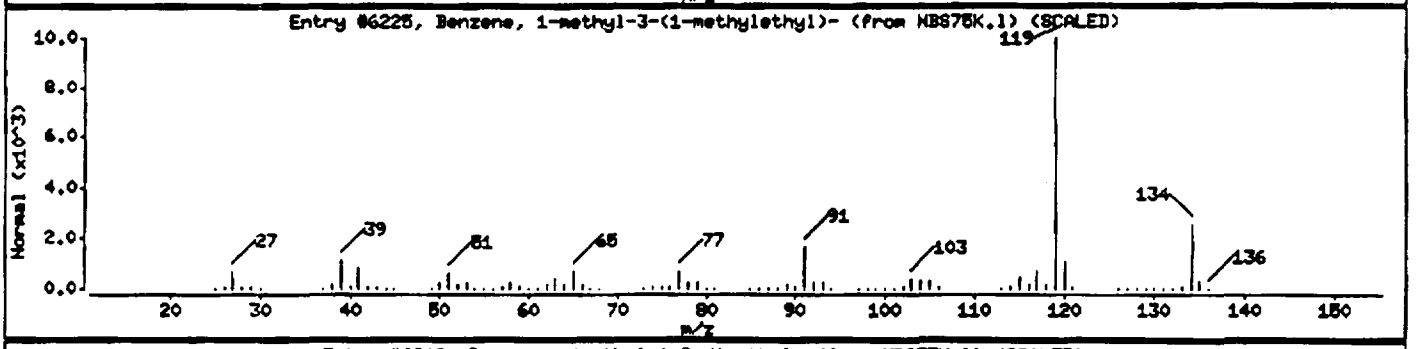
Column phase: DB624 20m

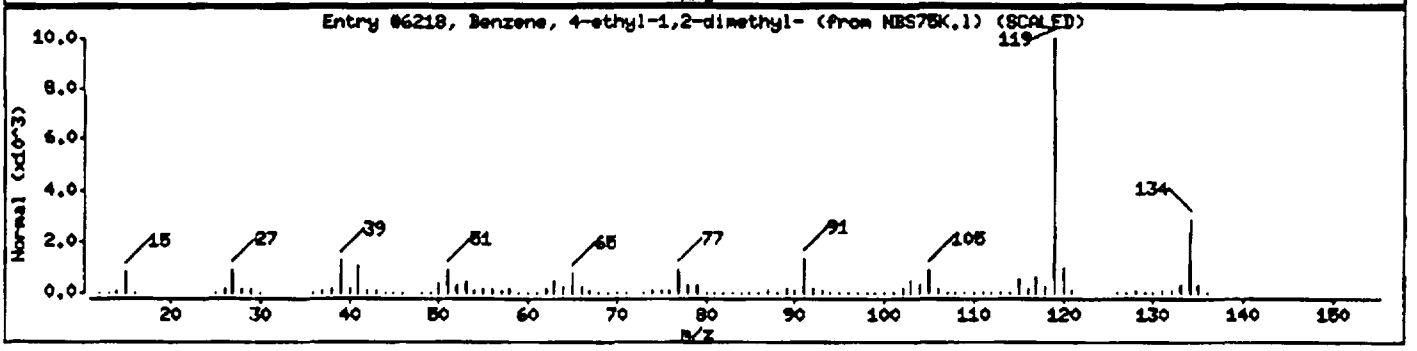
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.l	65553	91	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	6225	94	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	6218	91	C10H14	134









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

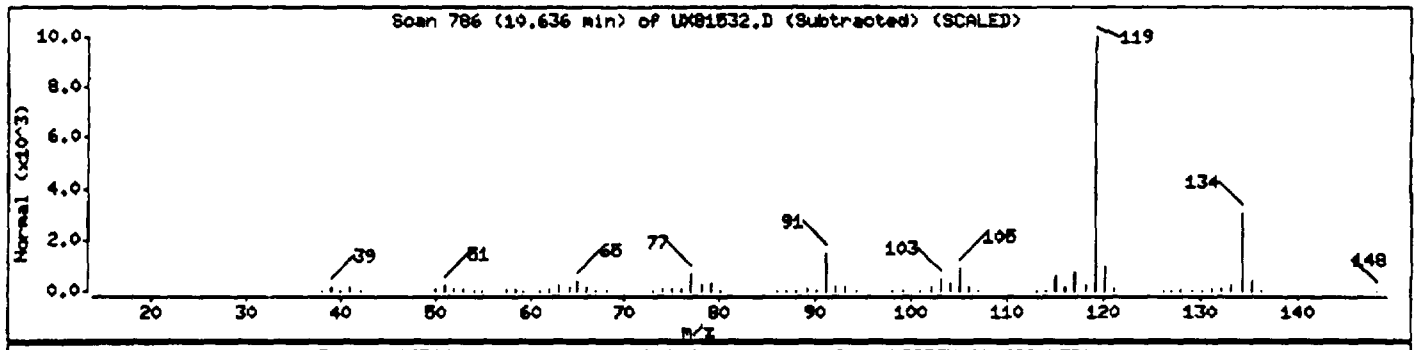
Sample Info: DPDH31AC,,2,100UL/5ML

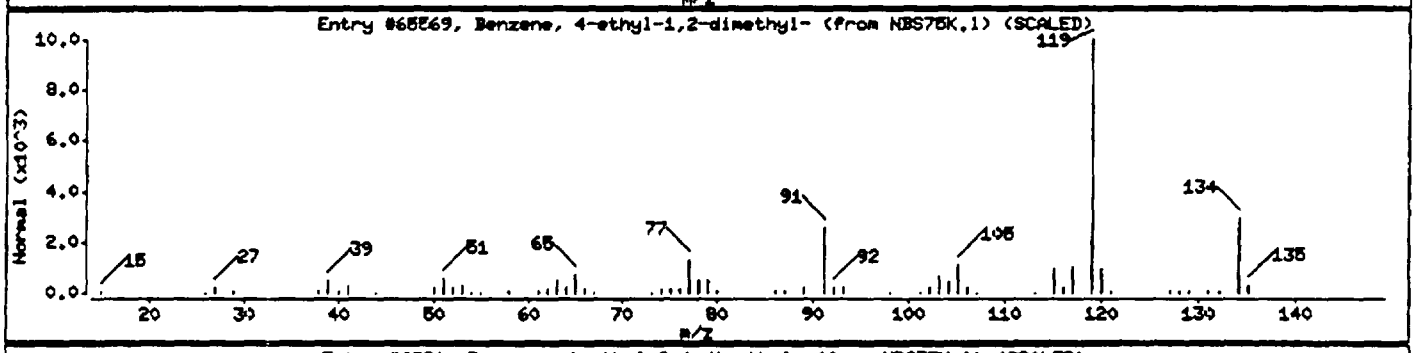
Operator: 2807

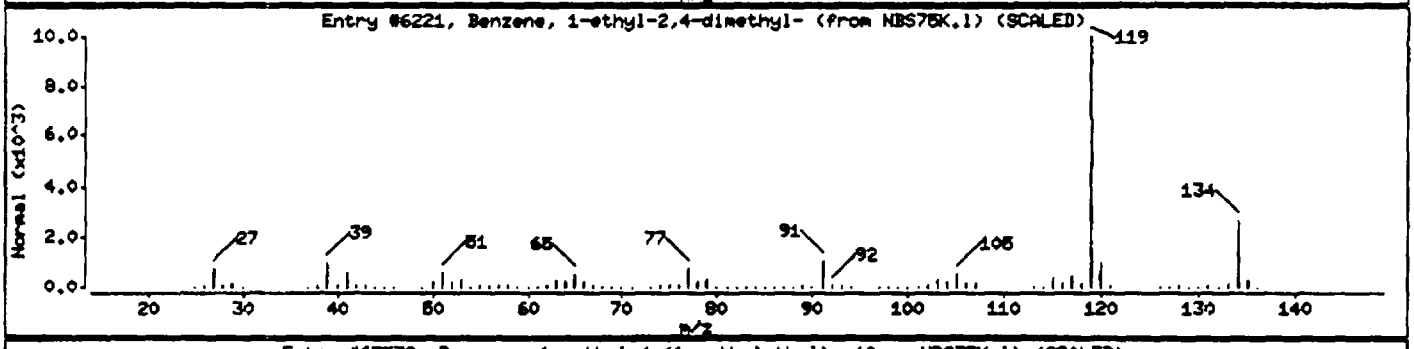
Column phase: DB624 20m

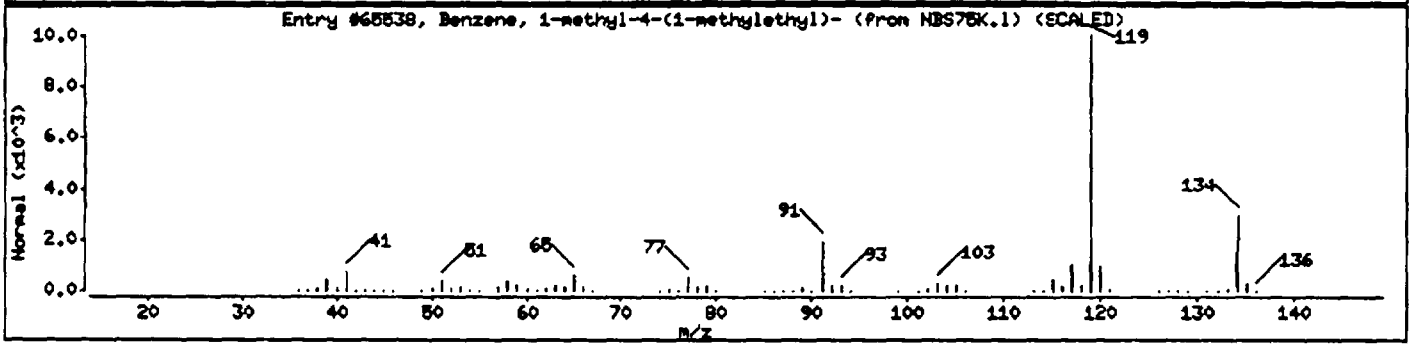
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	6221	95	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65538	95	C10H14	134









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

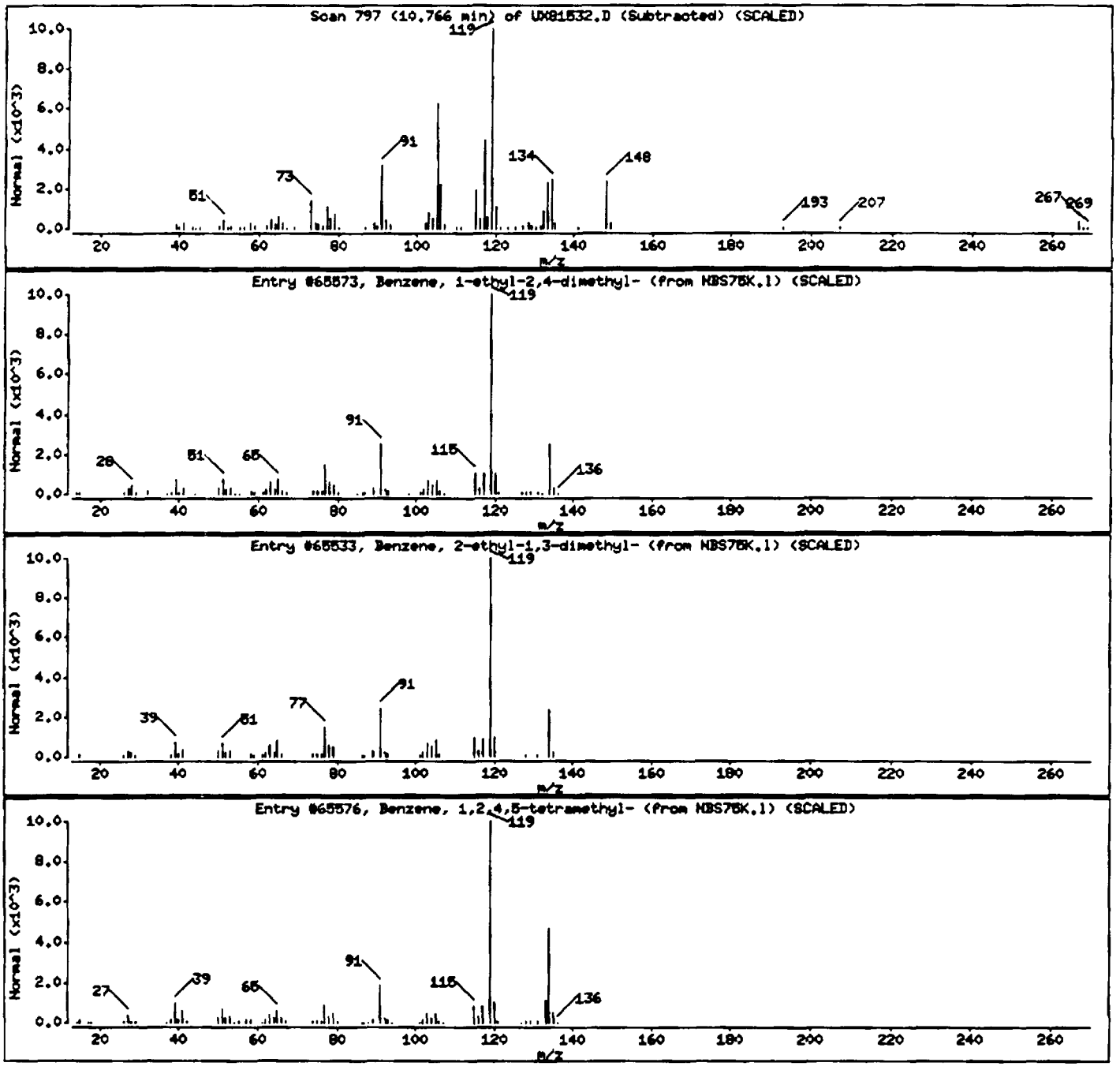
Sample Info: DPDW31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65573	55	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NBS75K.l	65533	55	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	50	C10H14	134



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

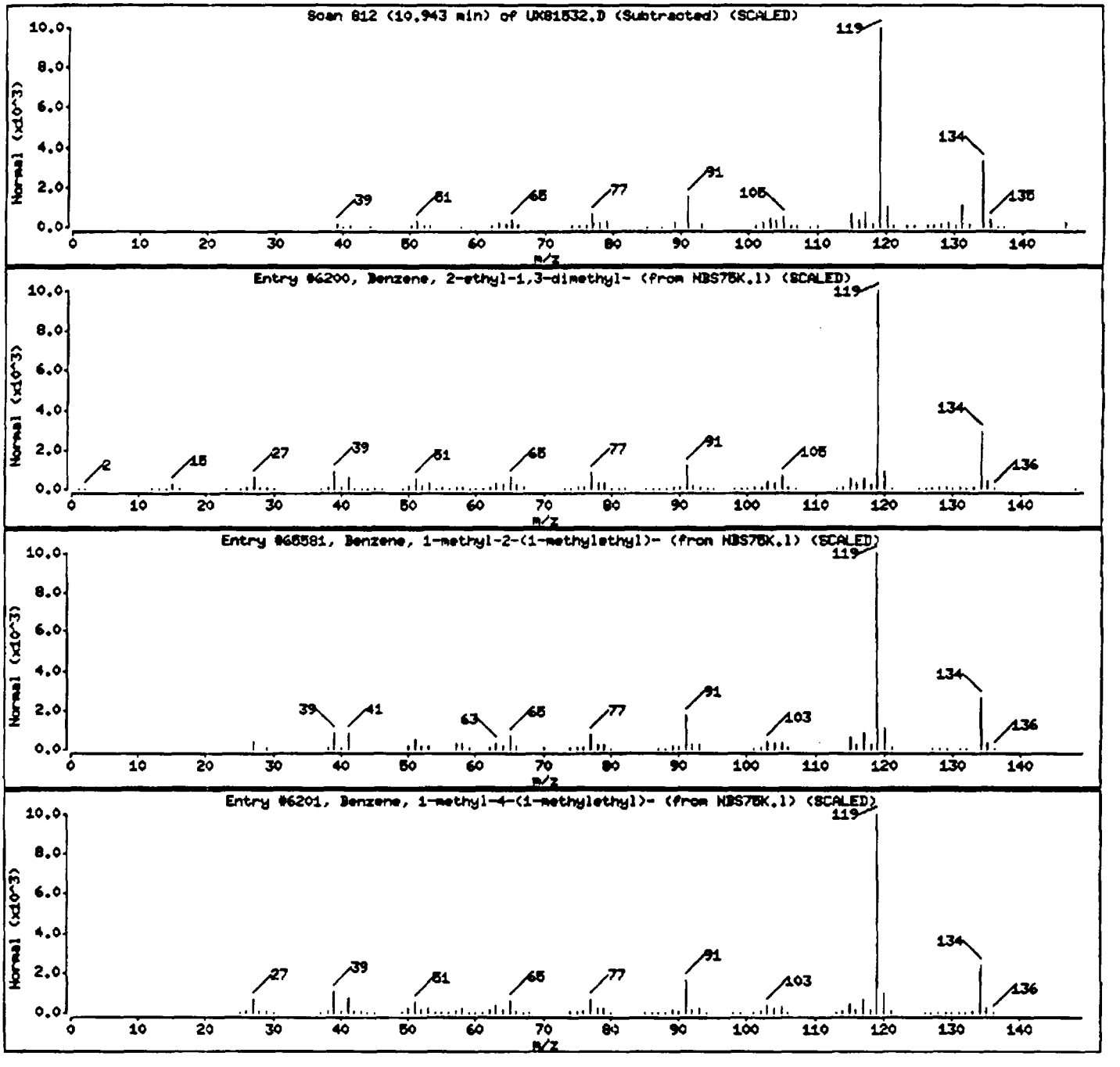
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NBS75K.l	6200	93	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	94	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	6201	93	C10H14	134



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

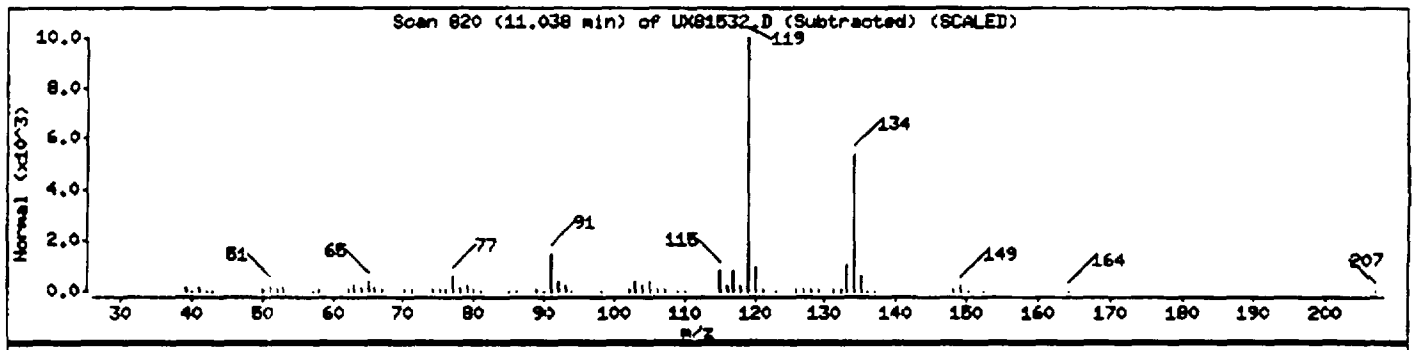
Sample Info: DPDH31AC,,2,100UL/5ML

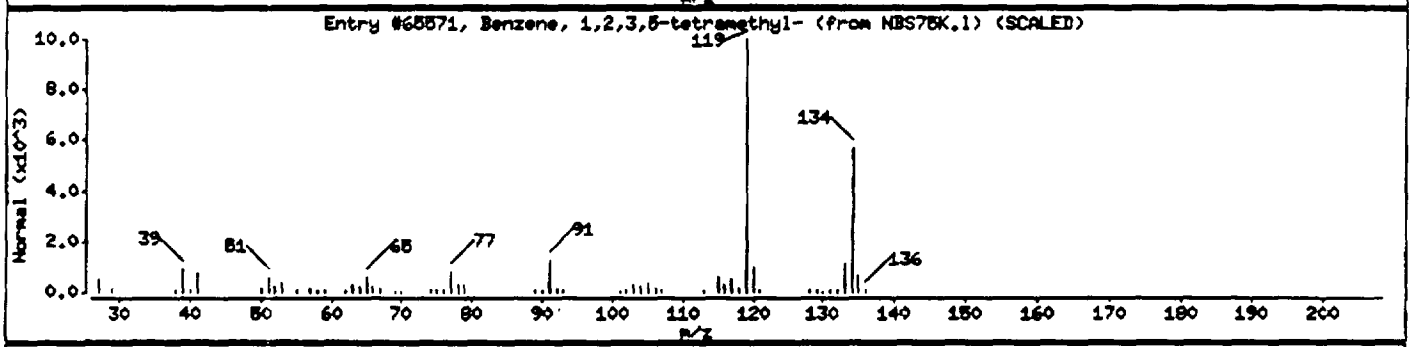
Operator: 2807

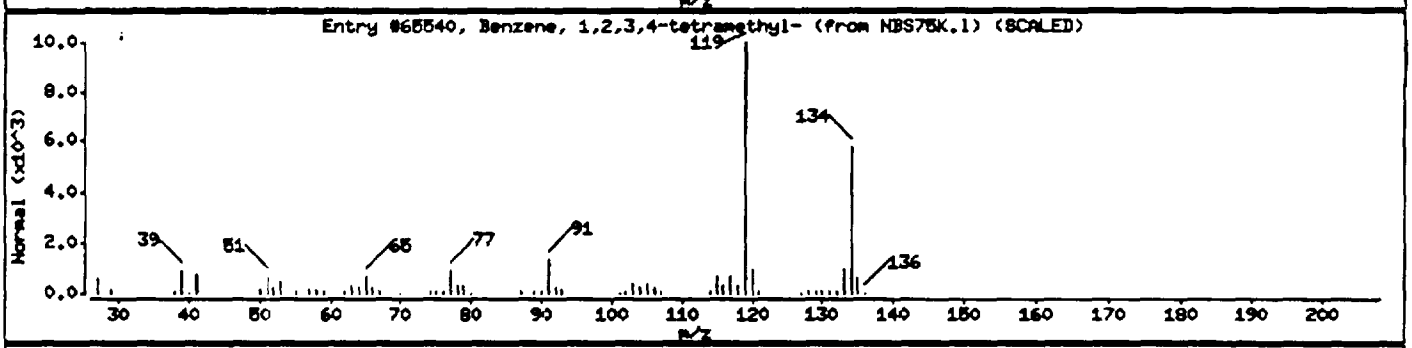
Column phase: DB624 20m

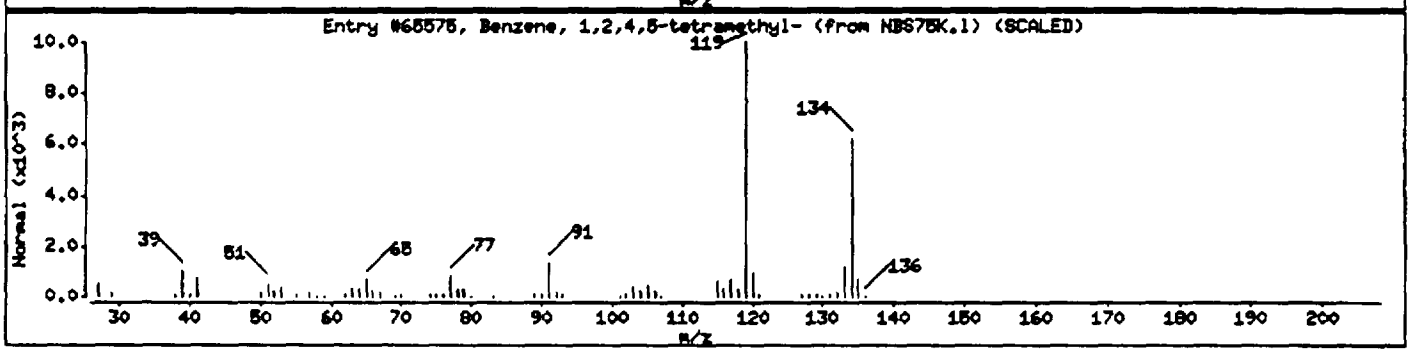
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.l	65571	96	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	65540	96	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65575	94	C10H14	134









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

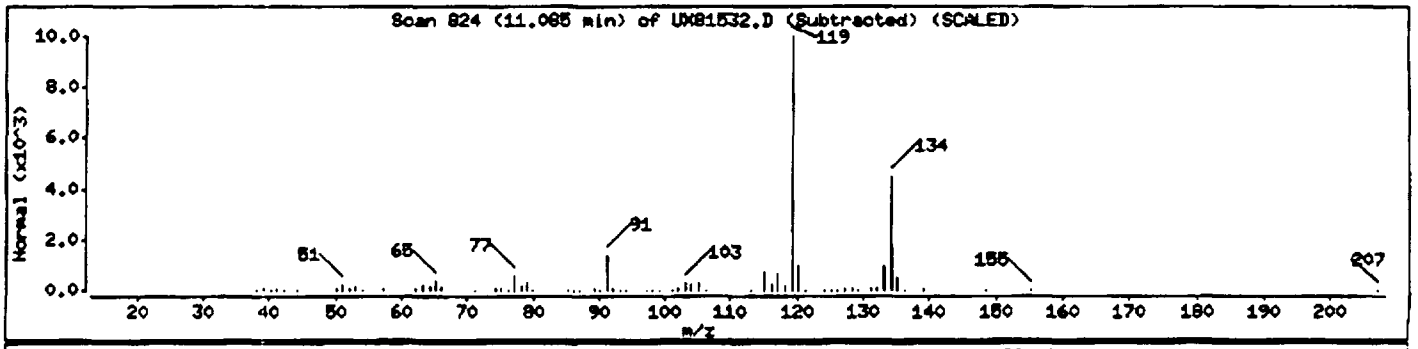
Sample Info: DPDH31AC,,2,100UL/5ML

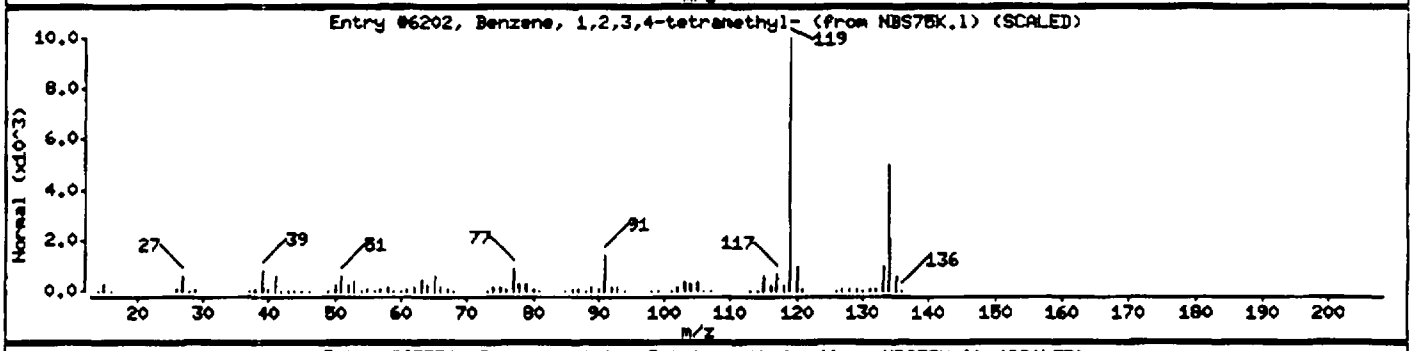
Operator: 2807

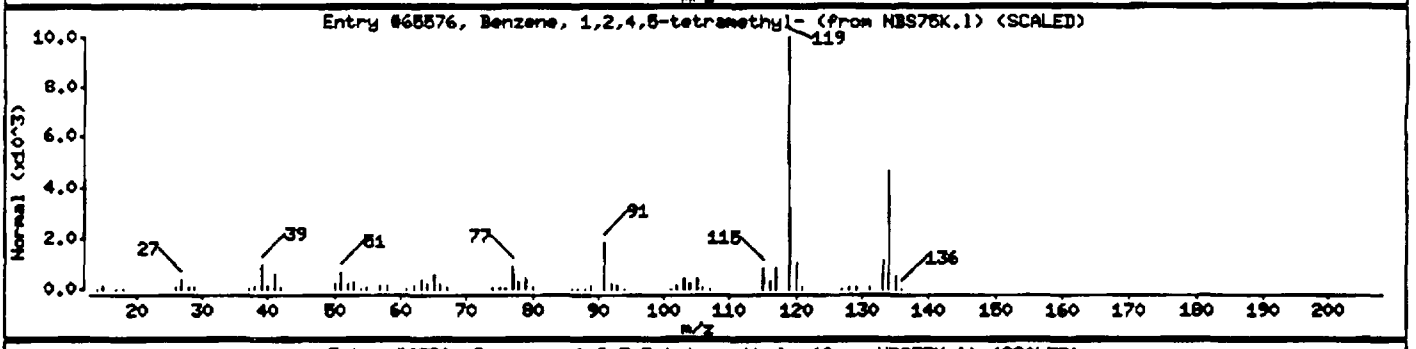
Column phase: DB624 20m

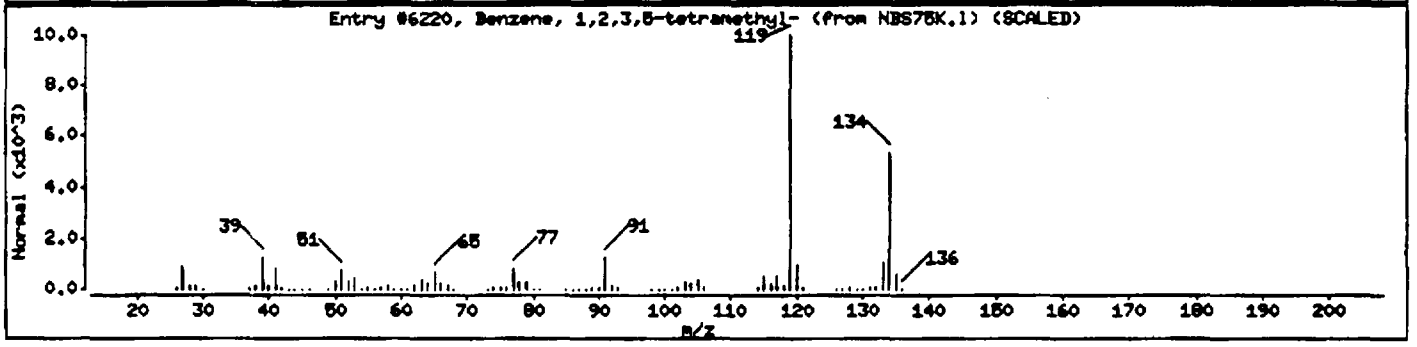
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	6202	97	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	97	C10H14	134
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.l	6220	95	C10H14	134









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

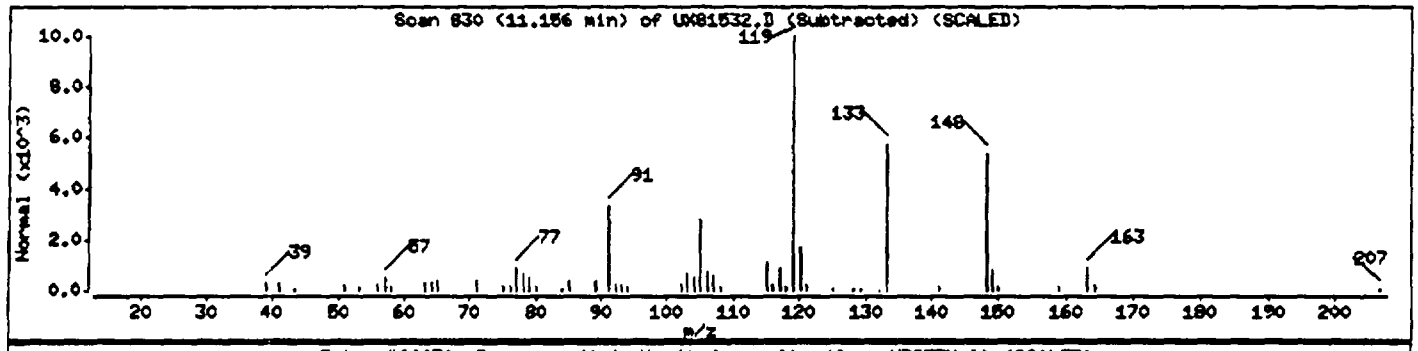
Sample Info: DPDH31AC,,2,100UL/5ML

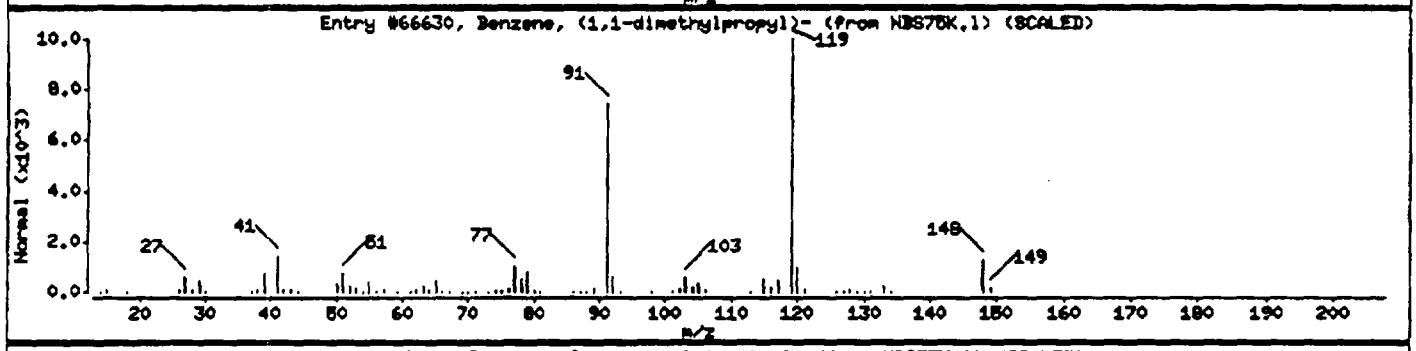
Operator: 2807

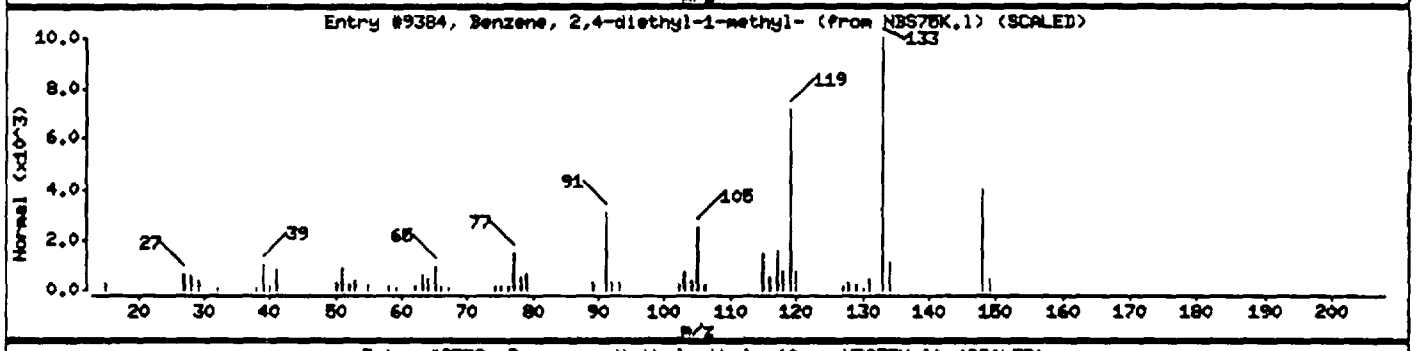
Column phase: DB624 20m

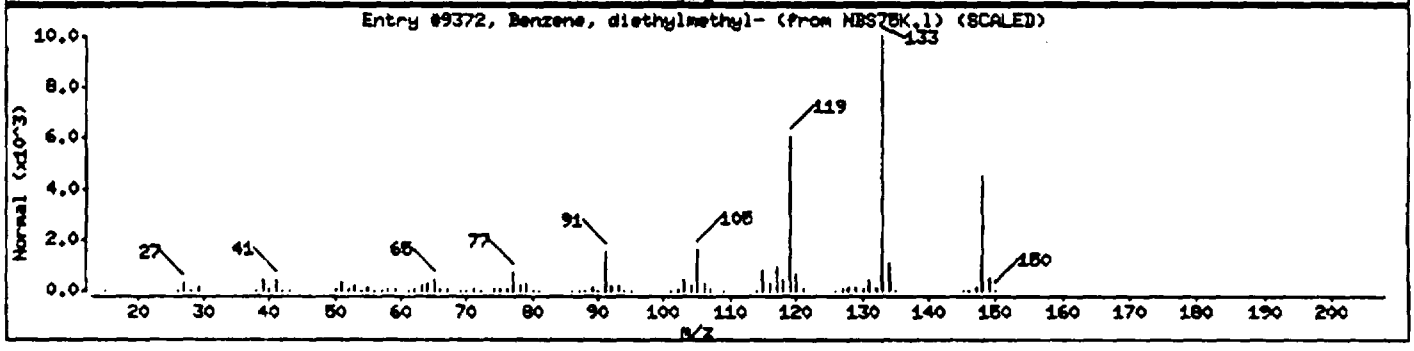
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1,1-dimethylpropyl)-	2049-96-8	NBS75K.l	66630	50	C11H16	148
Benzene, 2,4-diethyl-1-methyl-	1758-85-6	NBS75K.l	9384	50	C11H16	148
Benzene, diethylmethyl-	25550-13-4	NBS75K.l	9372	50	C11H16	148









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

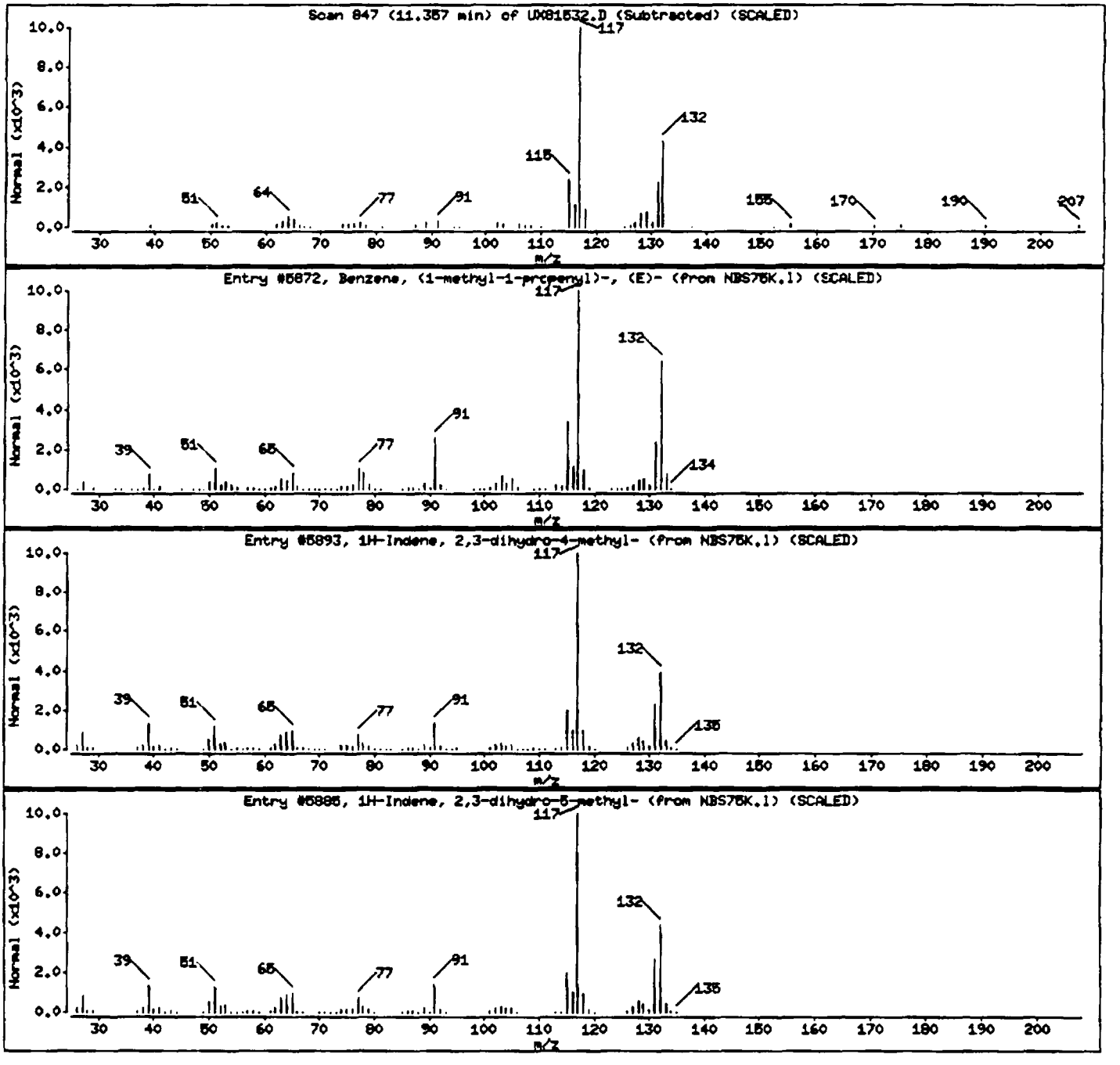
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methyl-1-propenyl)-, (E)-	768-00-3	NBS75K.l	5872	91	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	NBS75K.l	5893	91	C10H12	132
1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	NBS75K.l	5885	87	C10H12	132



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

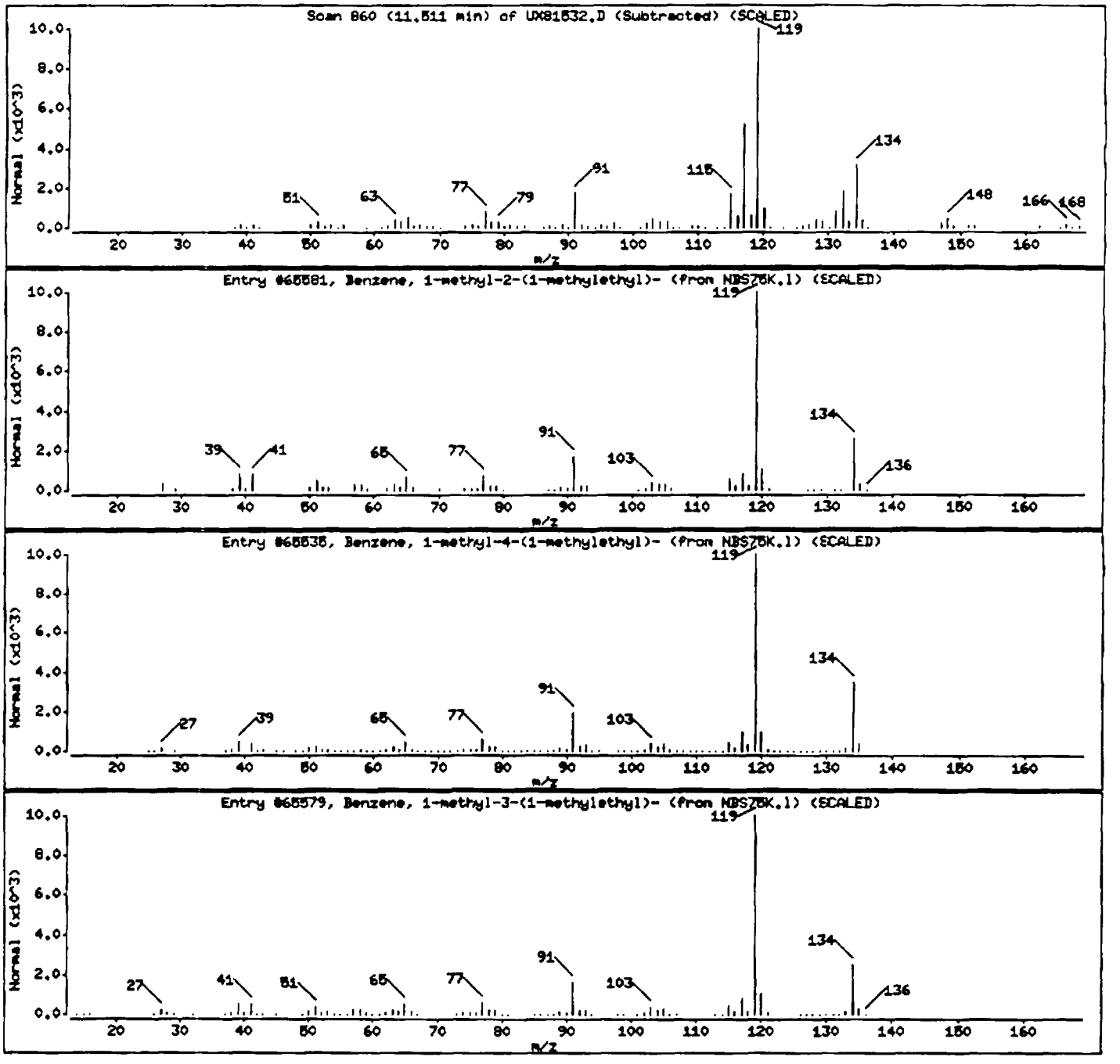
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	64	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	64	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	58	C10H14	134



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

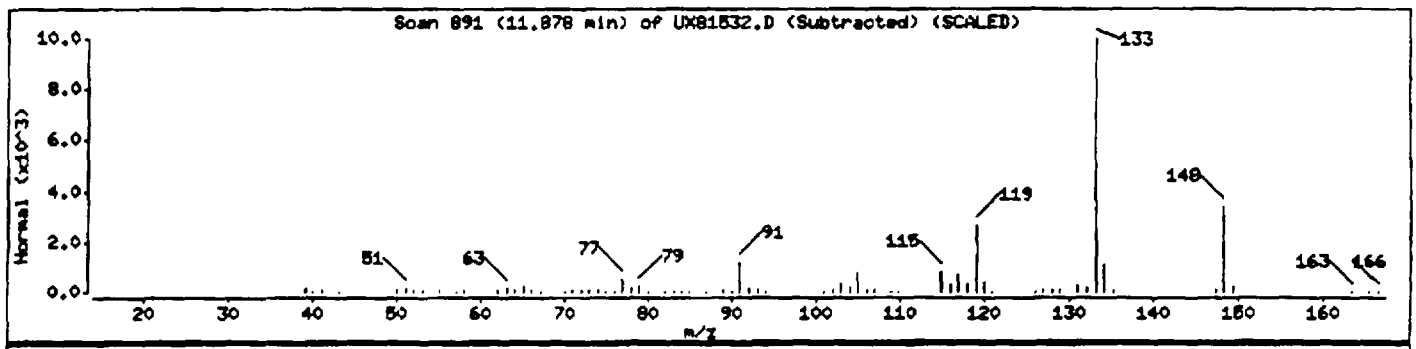
Sample Info: DPDH31AC,,2,100UL/5ML

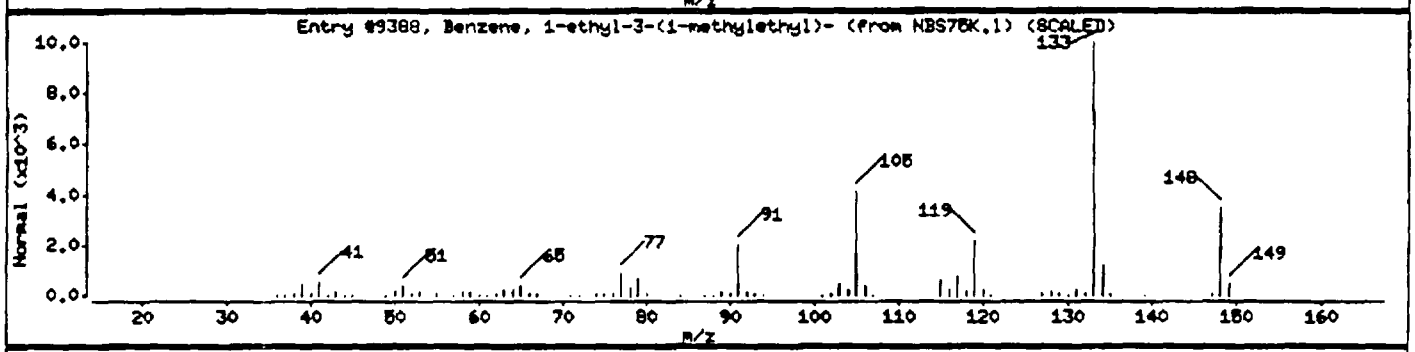
Operator: 2807

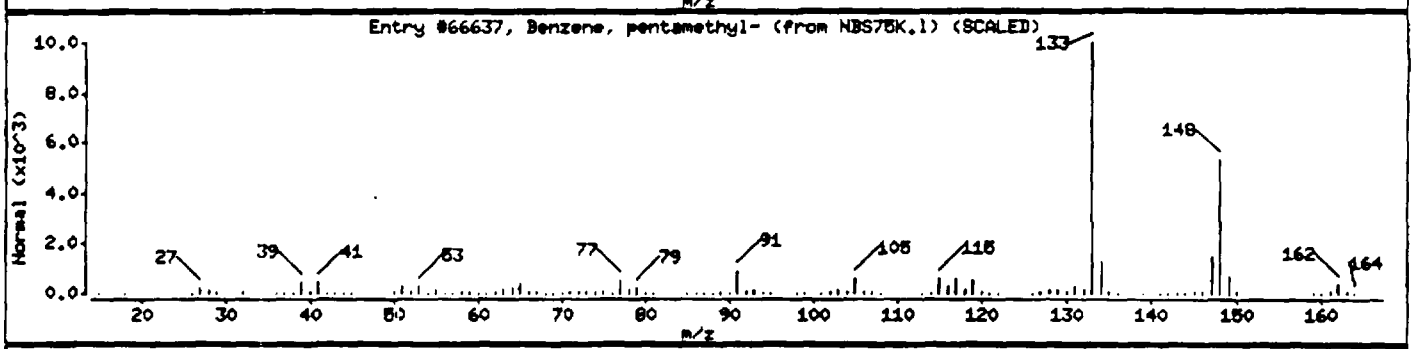
Column phase: DB624 20m

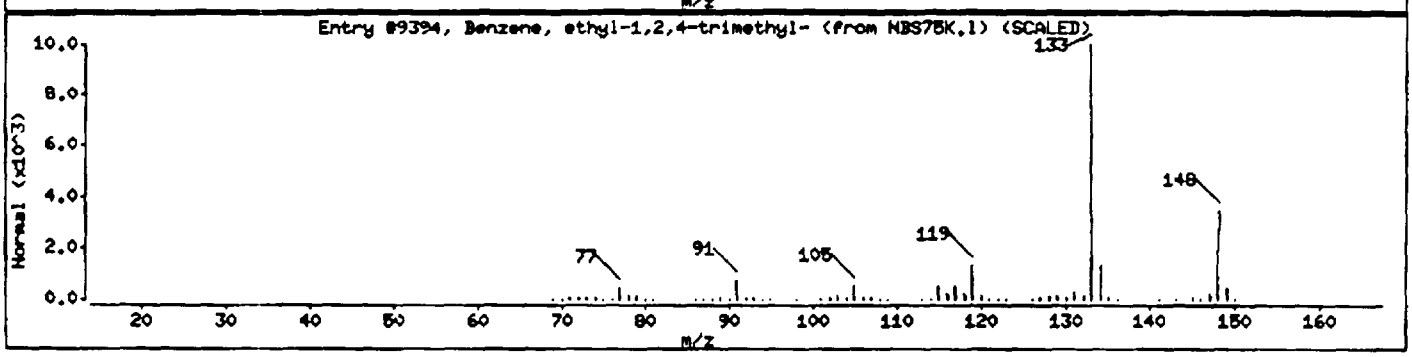
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-(1-methylethyl)-	4920-99-4	NBS75K.l	9388	87	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66637	87	C11H16	148
Benzene, ethyl-1,2,4-trimethyl-	84120-62-6	NBS75K.l	9394	83	C11H16	148









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

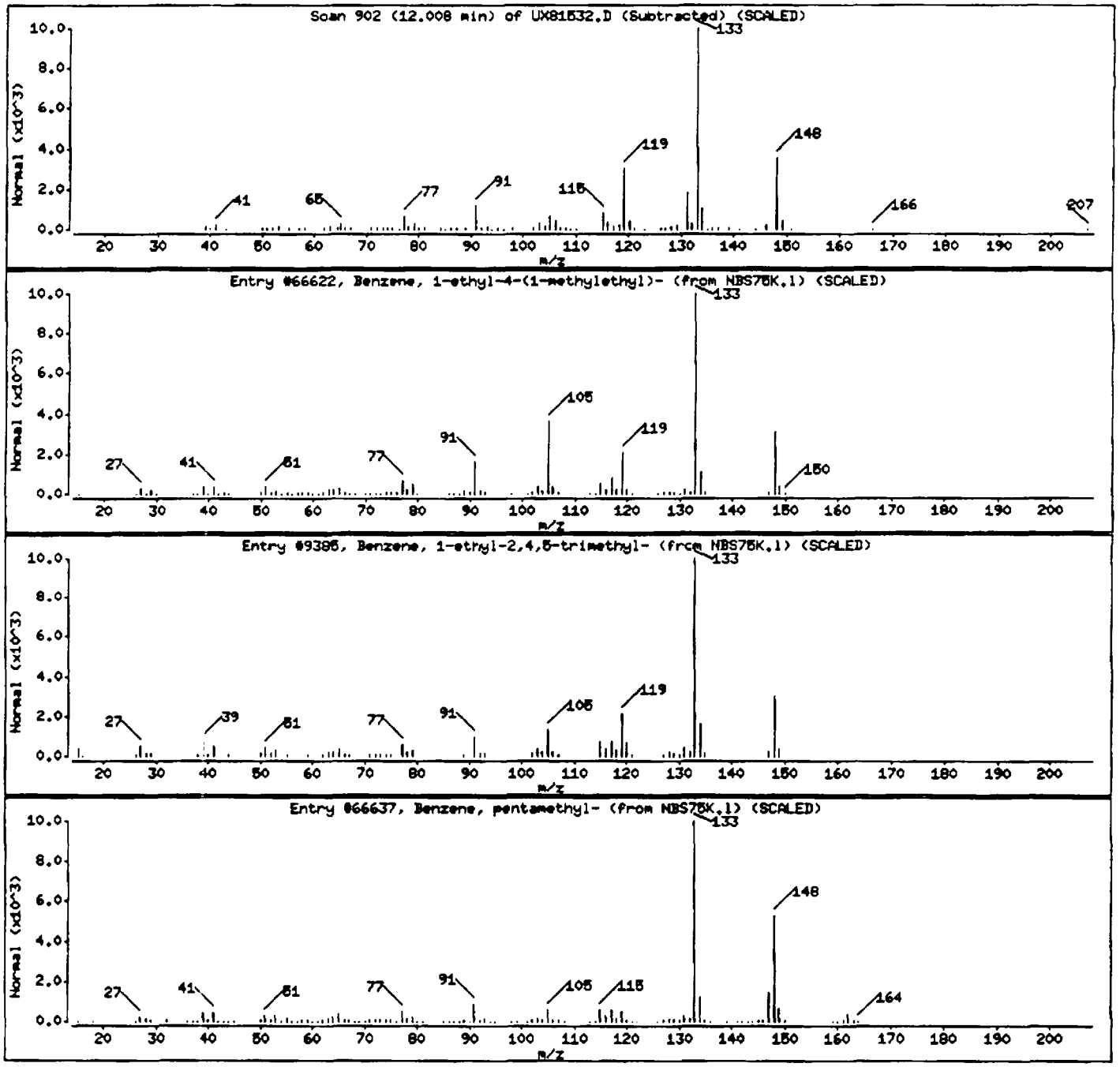
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-4-(1-methylethyl)-	4218-48-8	NBS75K.l	66622	86	C11H16	148
Benzene, 1-ethyl-2,4,5-trimethyl-	17851-27-3	NBS75K.l	9385	80	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66637	74	C11H16	148



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Date : 08-NOV-2000 21:53

Client ID: SL-80-8.0'

Instrument: a3ux8a.i

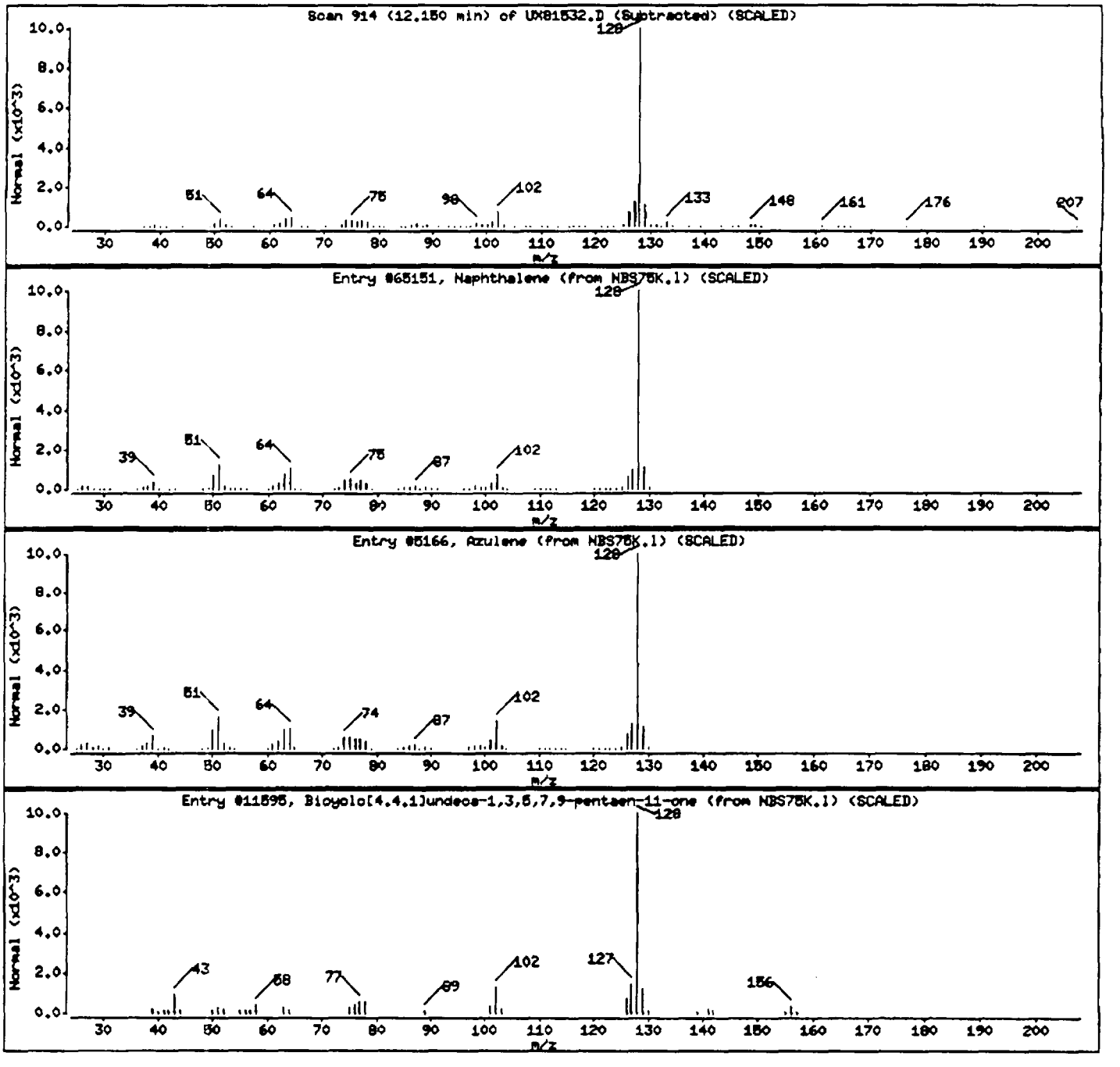
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene	91-20-3	NBS75K.l	65151	91	C10H8	128
Azulene	275-51-4	NBS75K.l	5166	90	C10H8	128
Bicyclo[4.4.1]undeca-1,3,5,7,9-pentaen-1	36628-80-5	NBS75K.l	11595	78	C11H80	156



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

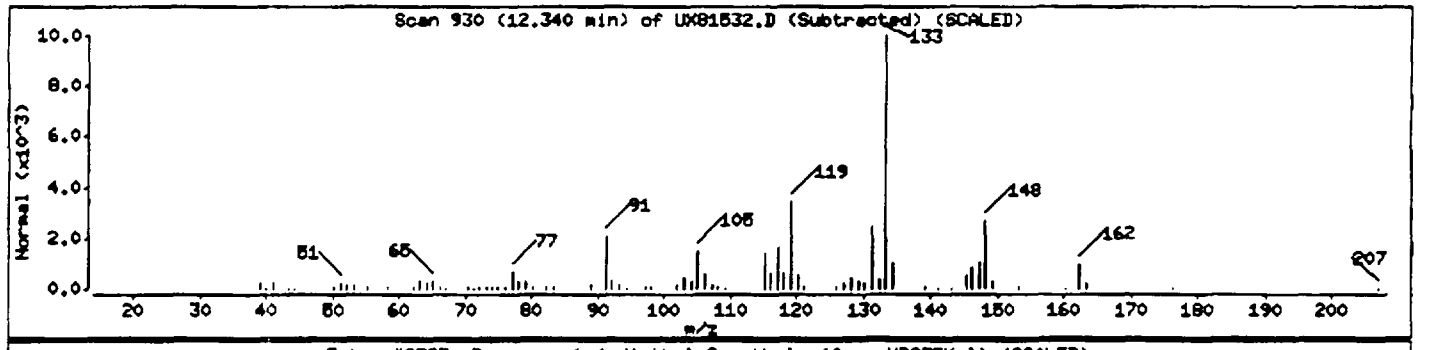
Sample Info: DPDH31AC,,2,100UL/5ML

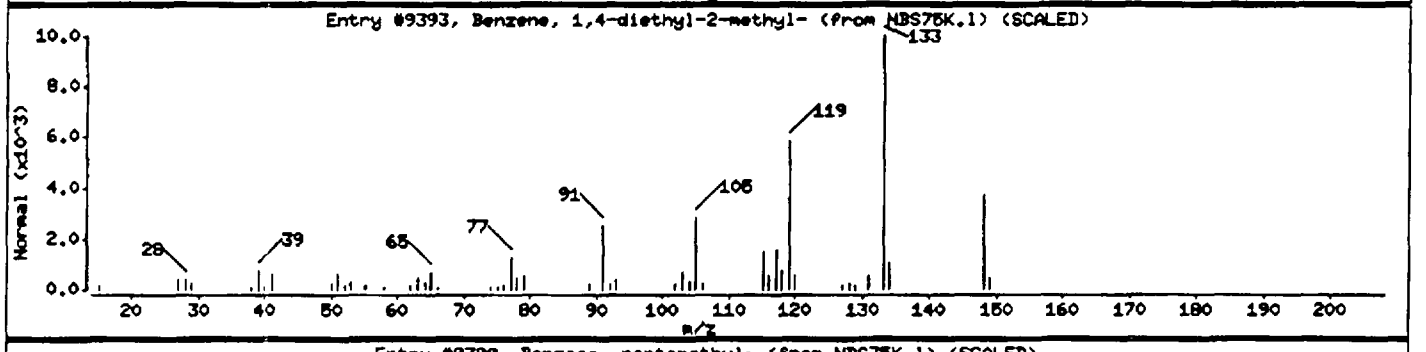
Operator: 2807

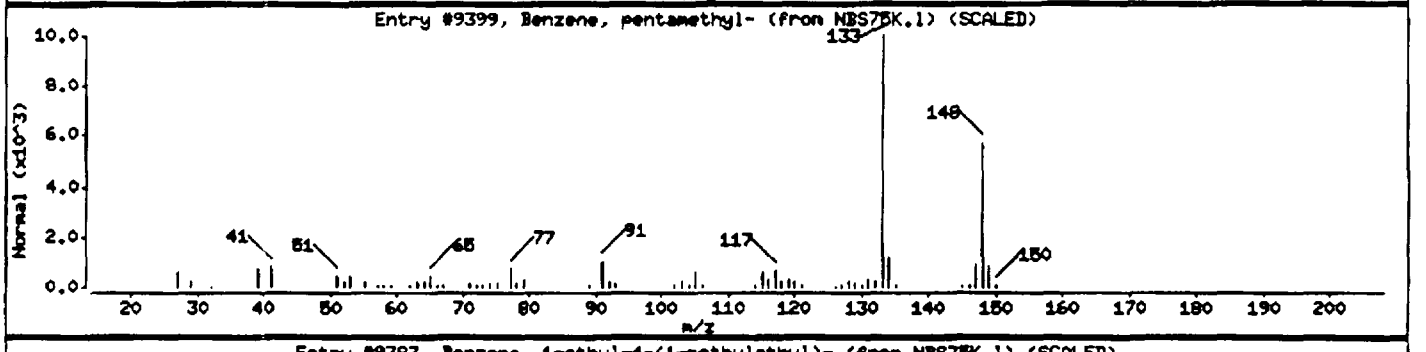
Column phase: DB624 20m

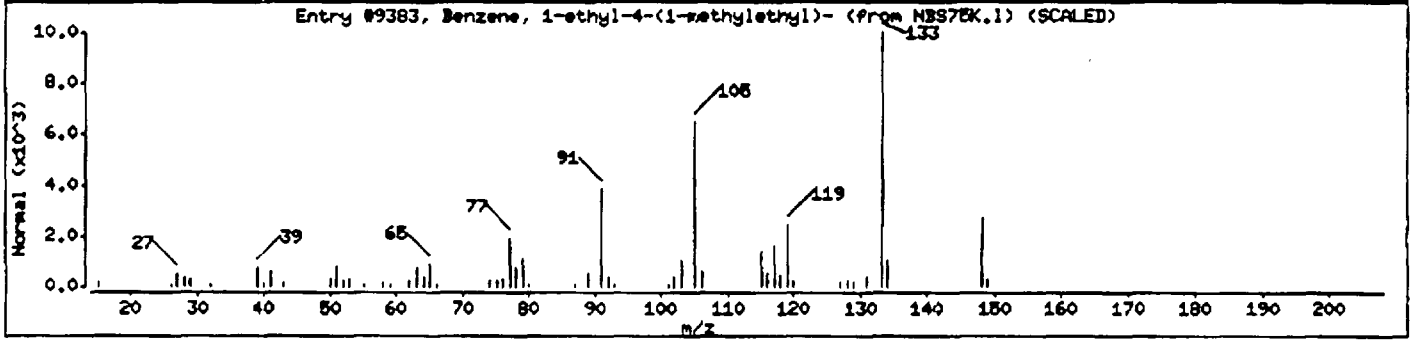
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,4-diethyl-2-methyl-	13632-94-5	NBS75K.l	9393	86	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	9399	70	C11H16	148
Benzene, 1-ethyl-4-(1-methylethyl)-	4218-48-8	NBS75K.l	9383	70	C11H16	148









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

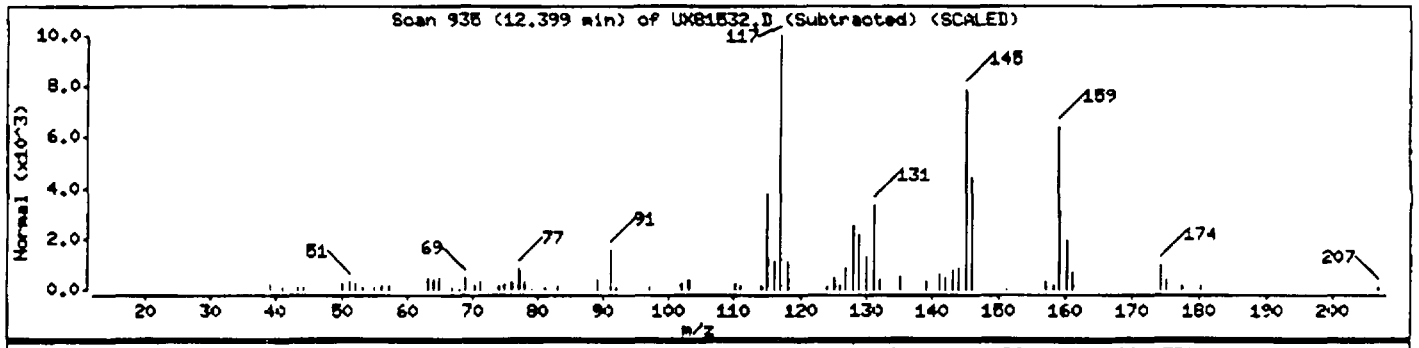
Sample Info: DPDH31AC,,2,100UL/5ML

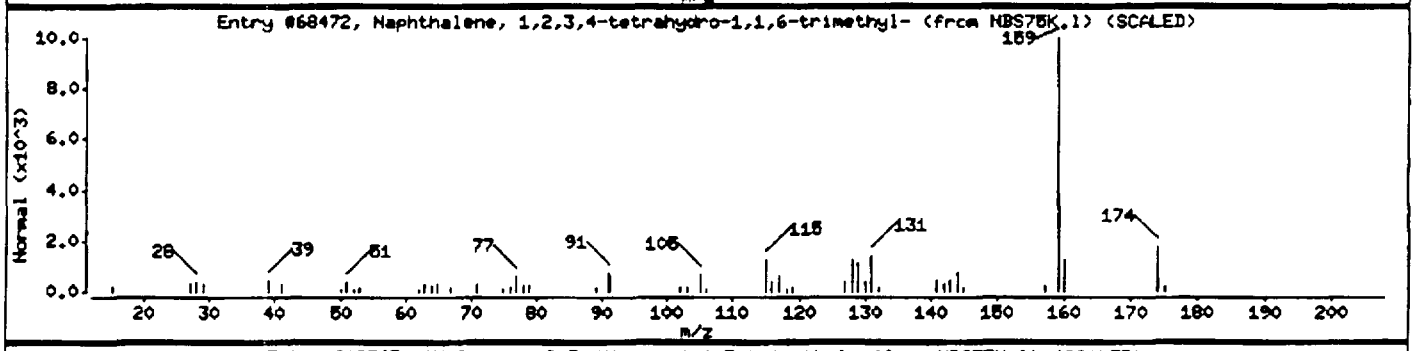
Operator: 2807

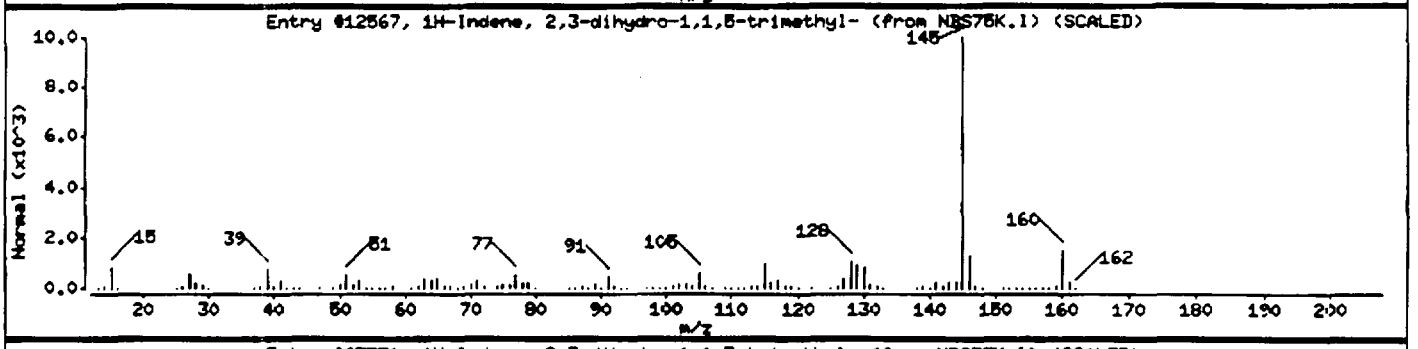
Column phase: DB624 20m

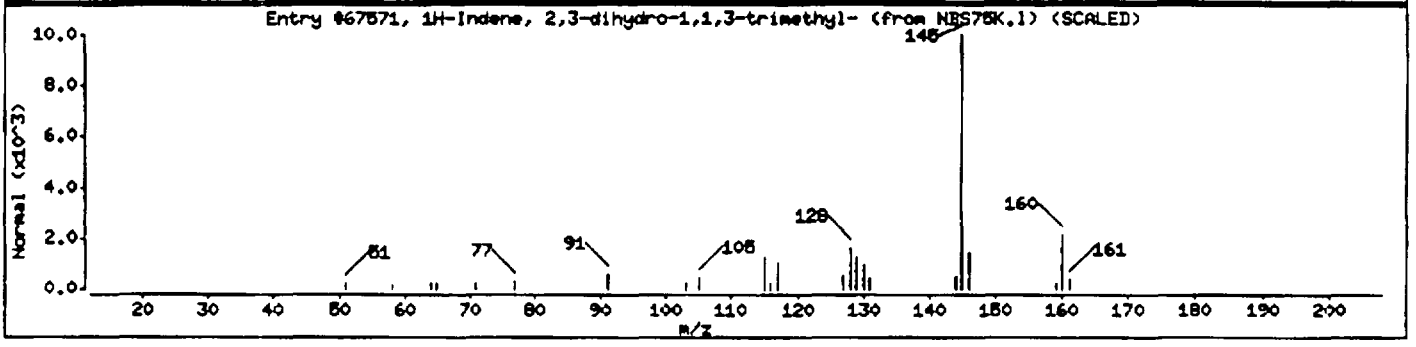
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-1,1,6-tr	475-03-6	NBS75K.l	68472	86	C13H18	174
1H-Indene, 2,3-dihydro-1,1,5-trimethyl-	40650-41-7	NBS75K.l	12567	50	C12H16	160
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	2613-76-5	NBS75K.l	67571	50	C12H16	160









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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

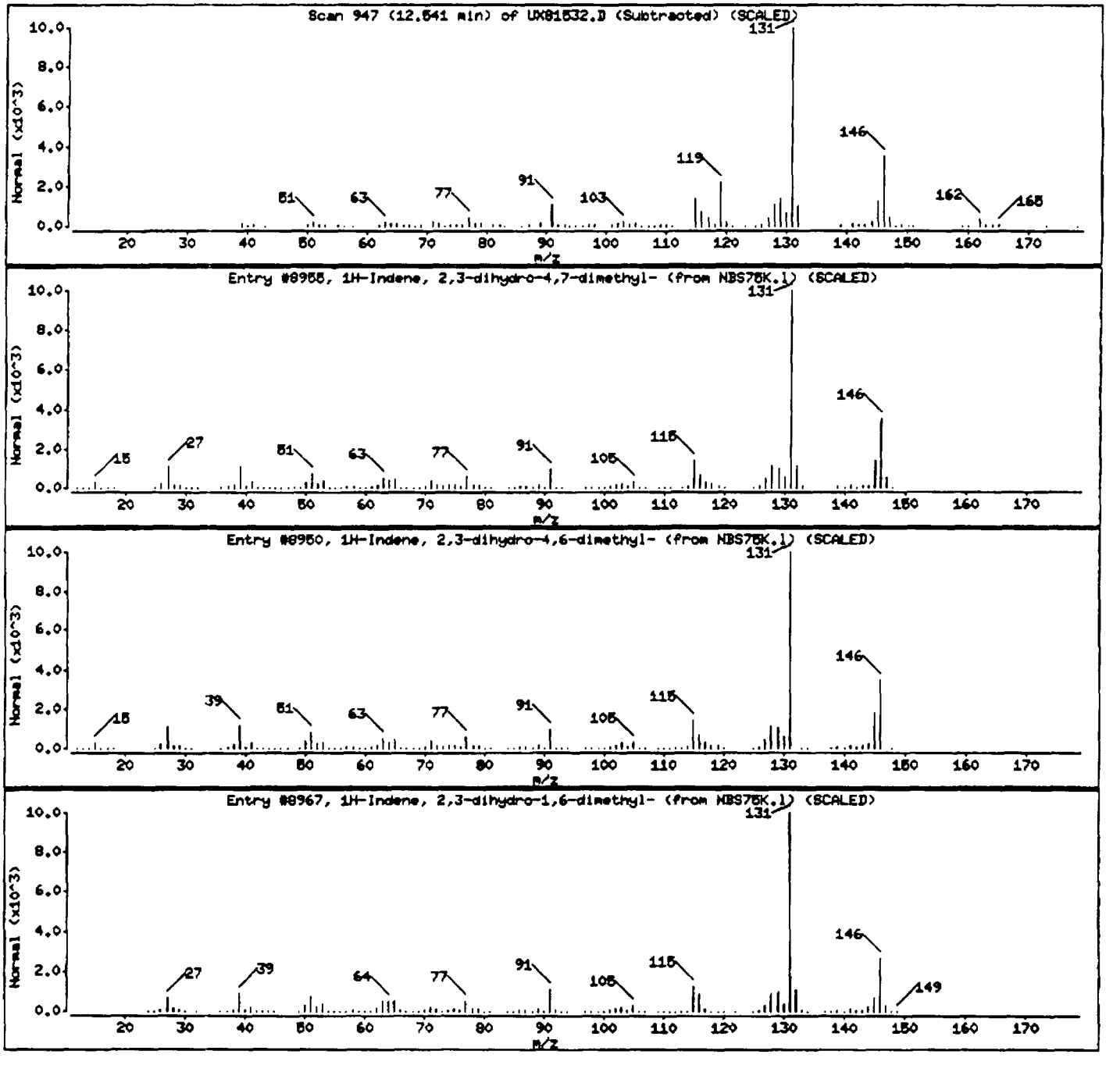
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	95	C11H14	146
1H-Indene, 2,3-dihydro-4,6-dimethyl-	1685-82-1	NBS75K.l	8950	94	C11H14	146
1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	NBS75K.l	8967	91	C11H14	146



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

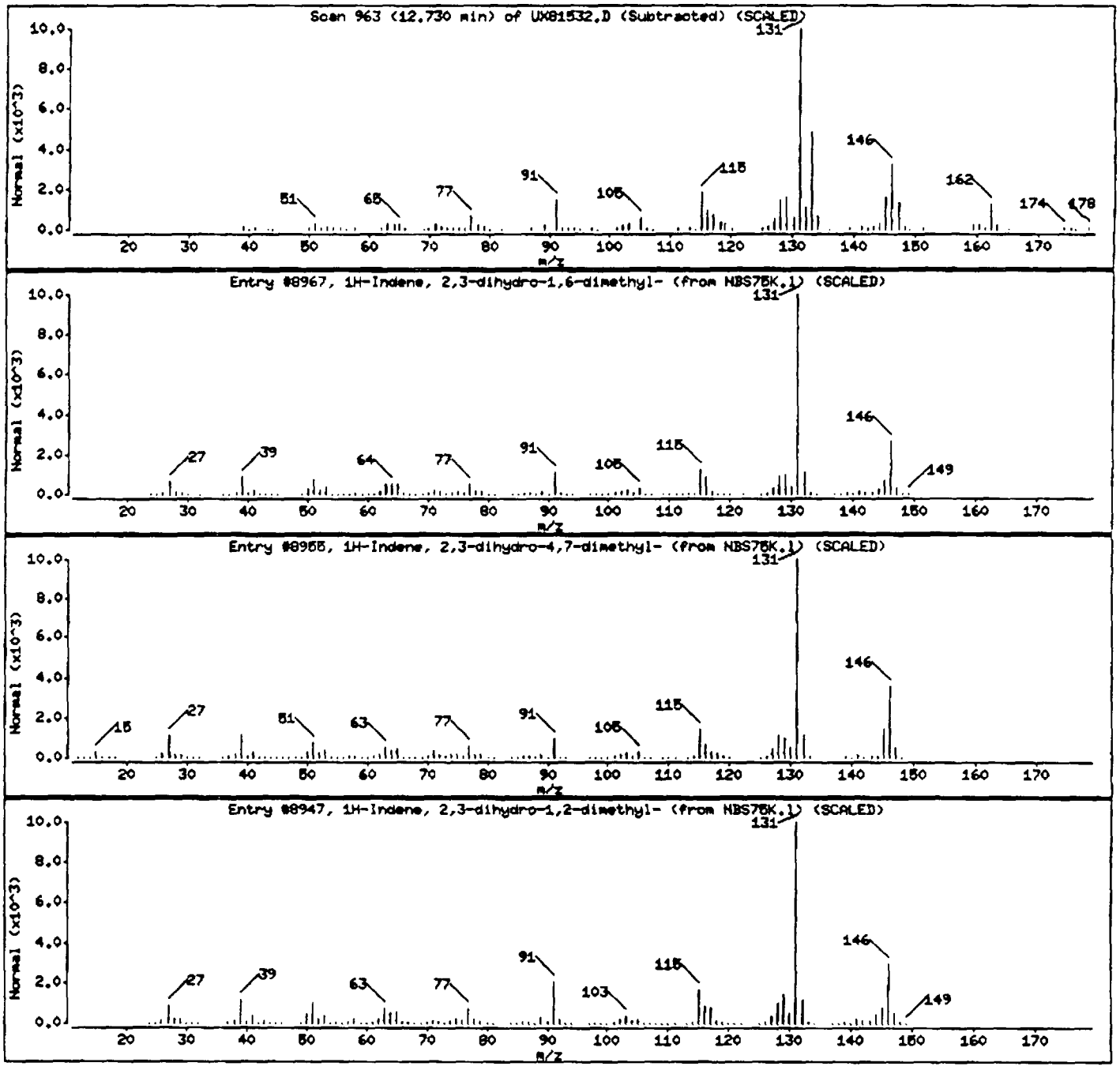
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	NBS75K.l	8967	70	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	93	C11H14	146
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	NBS75K.l	8947	70	C11H14	146



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

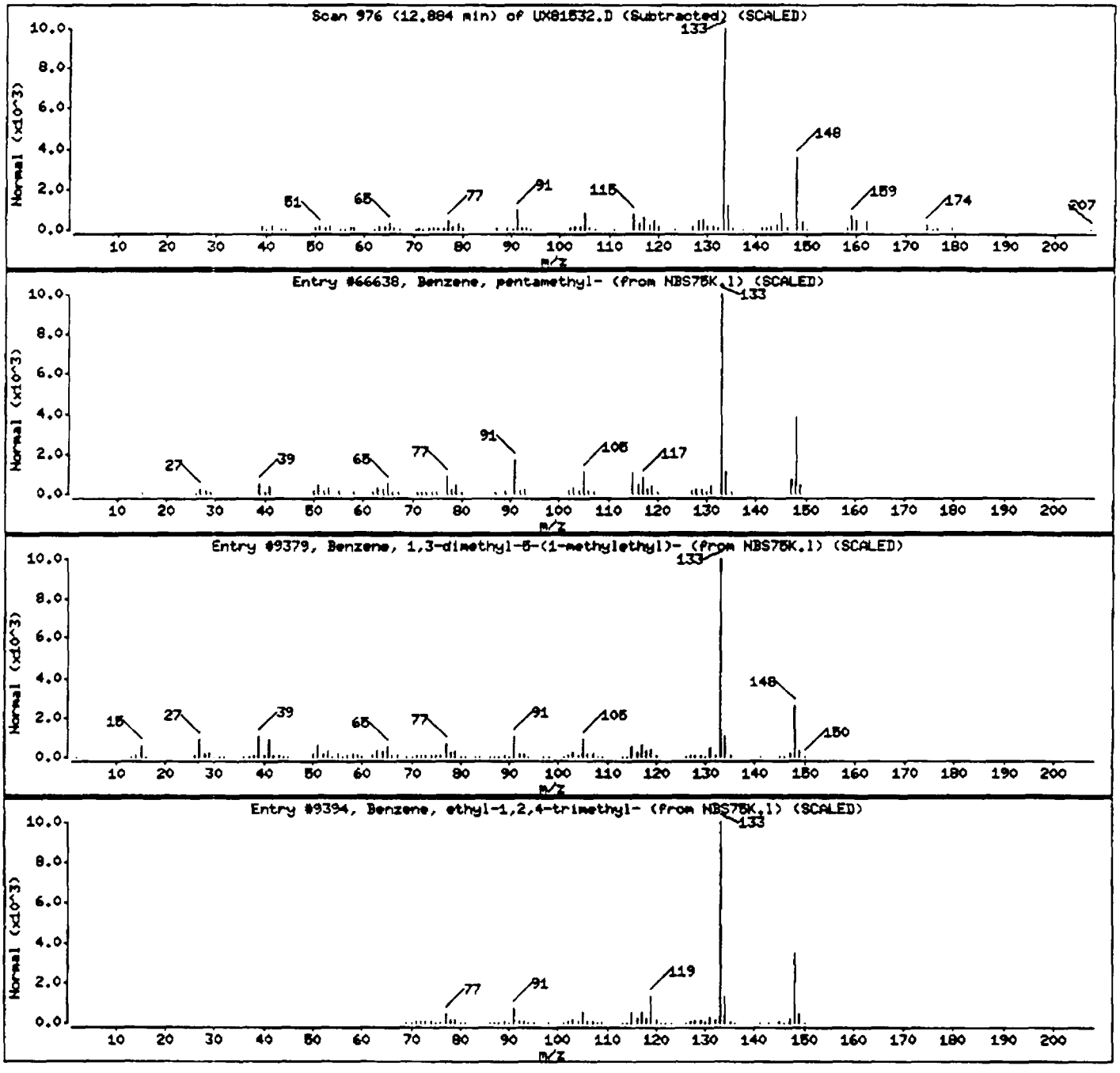
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, pentamethyl-	700-12-9	NBS75K.l	66638	87	C11H16	148
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NBS75K.l	9379	81	C11H16	148
Benzene, ethyl-1,2,4-trimethyl-	54120-62-6	NBS75K.l	9394	74	C11H16	148



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

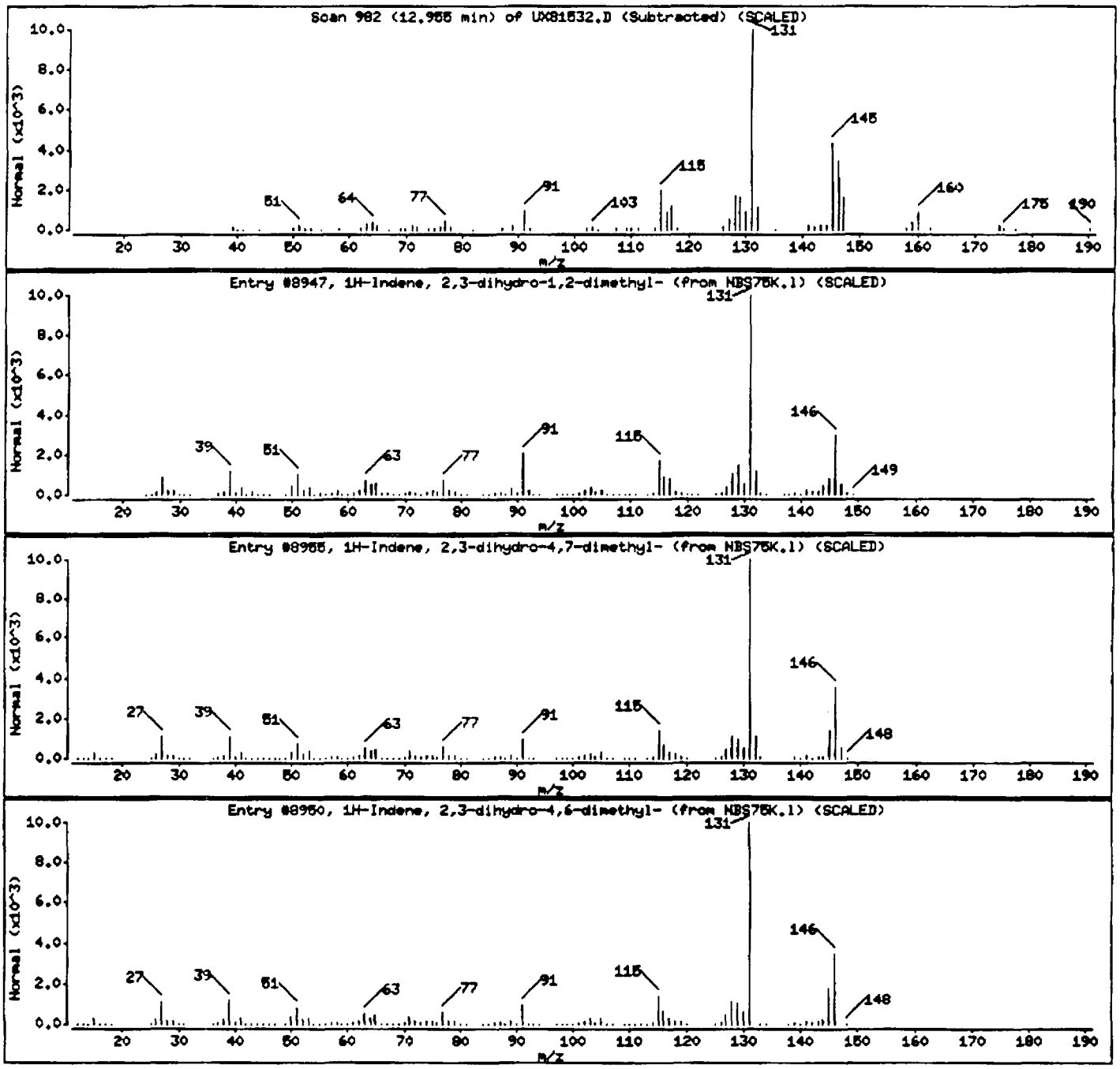
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	NBS75K.l	8947	76	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	76	C11H14	146
1H-Indene, 2,3-dihydro-4,6-dimethyl-	1685-82-1	NBS75K.l	8950	70	C11H14	146



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

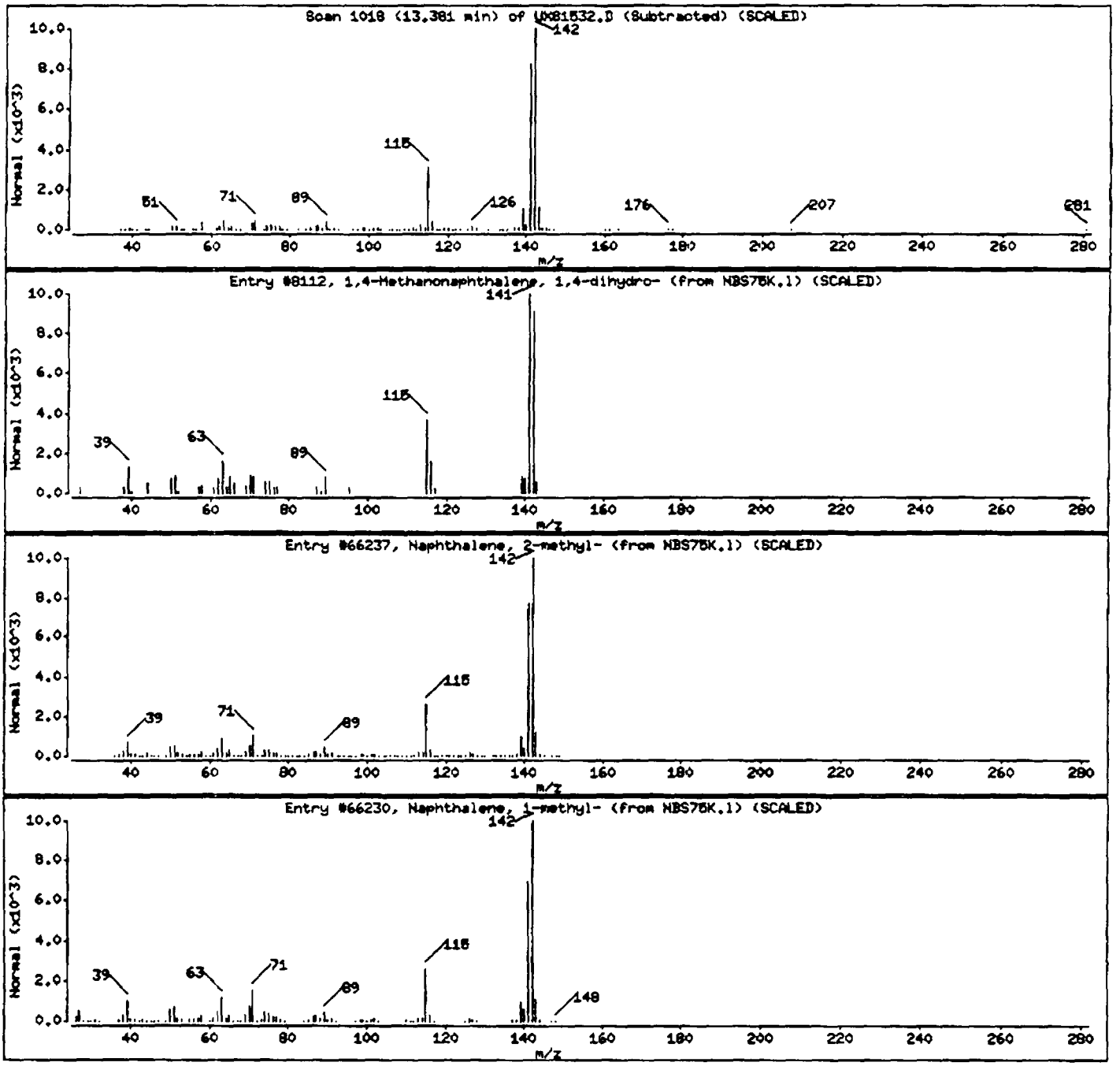
Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	NBS75K.l	8112	86	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66237	94	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66230	91	C11H10	142



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

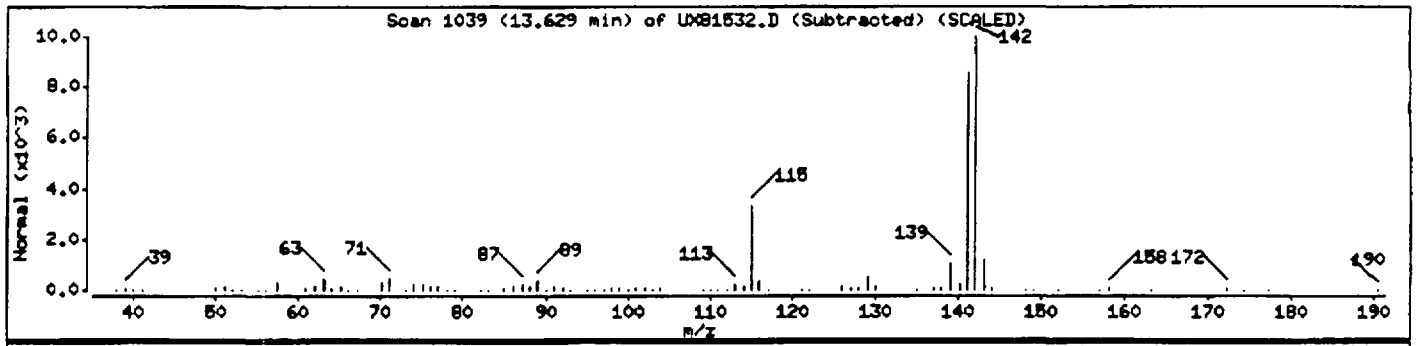
Sample Info: DPDH31AC,,2,100UL/5ML

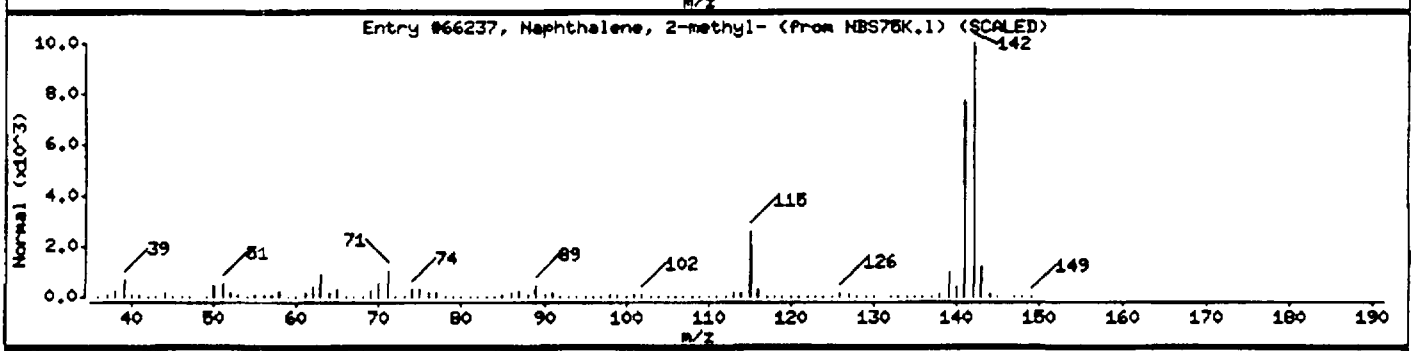
Operator: 2807

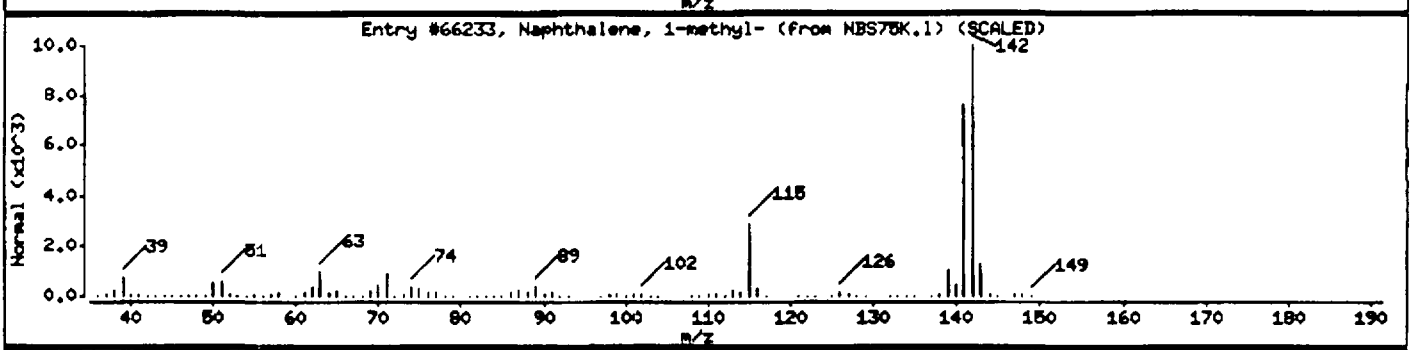
Column phase: DB624 20m

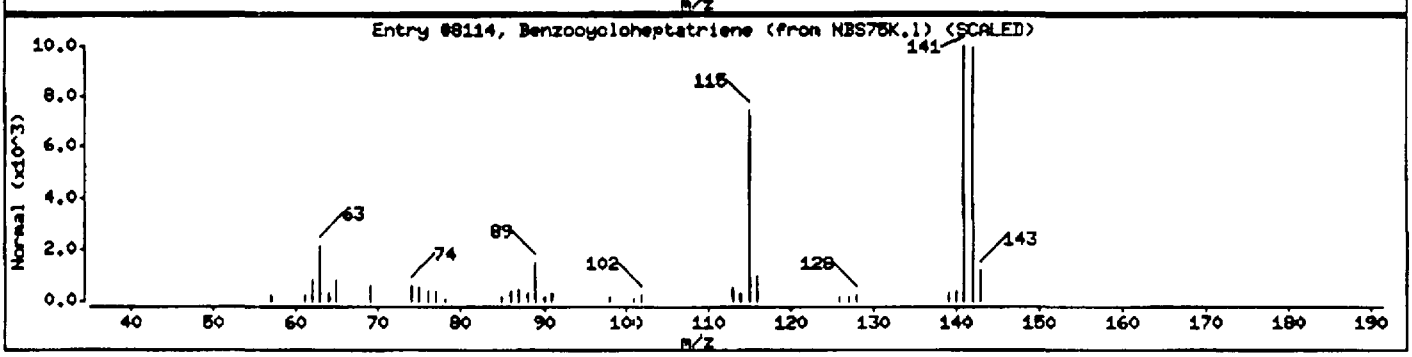
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66237	94	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66233	94	C11H10	142
Benzocycloheptatriene	264-09-5	NBS75K.l	8114	86	C11H10	142









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Date : 08-NOV-2000 21:53

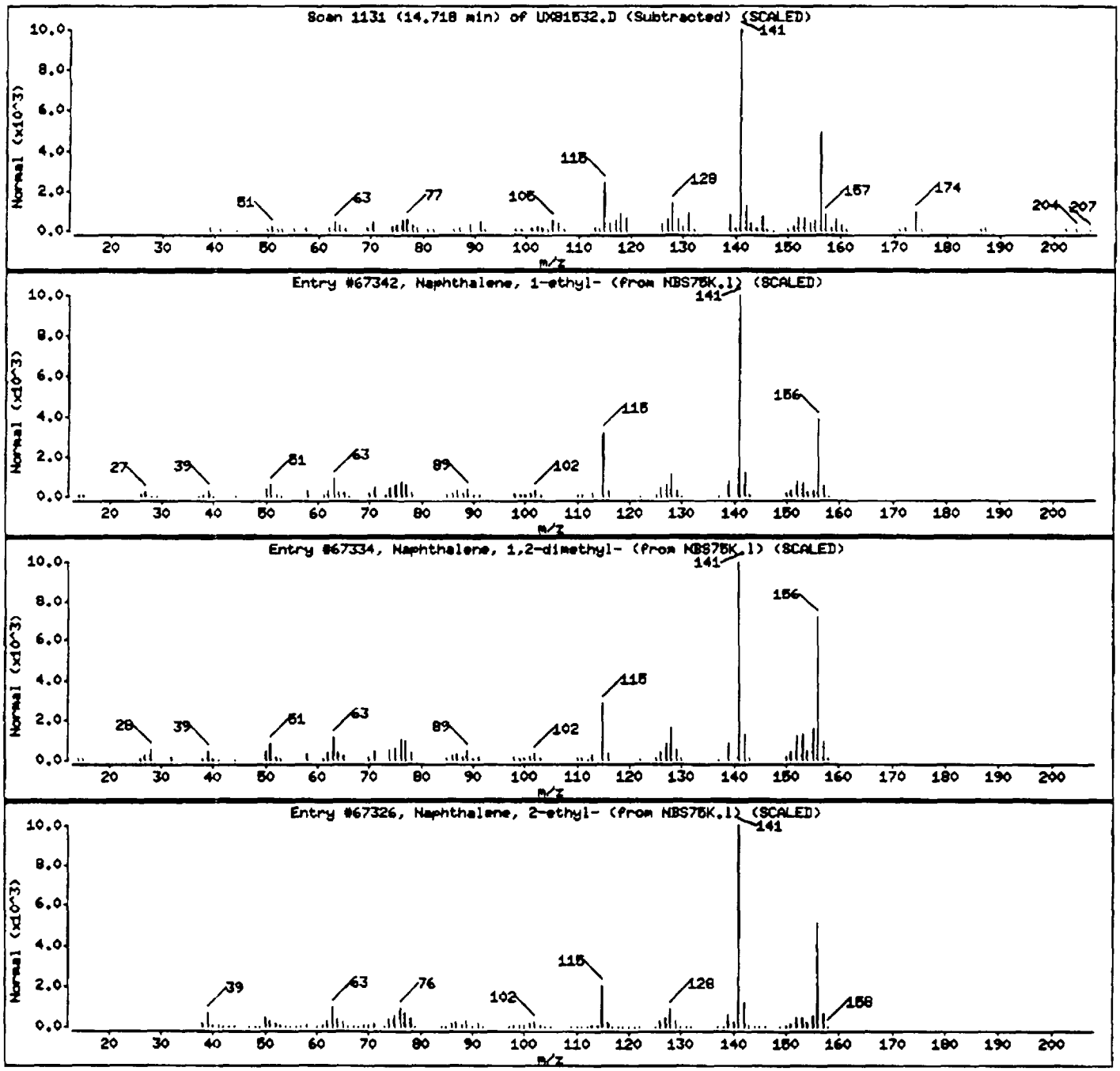
Client ID: SL-80-5.0' Instrument: a3ux8a.i

Sample Info: DPDH31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	67342	93	C12H12	156
Naphthalene, 1,2-dimethyl-	573-98-8	NBS75K.l	67334	93	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	67326	93	C12H12	156



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Date : 08-NOV-2000 21:53

Client ID: SL-80-5.0'

Instrument: a3ux8a.i

Sample Info: DPDH31AC,,2,100UL/5ML

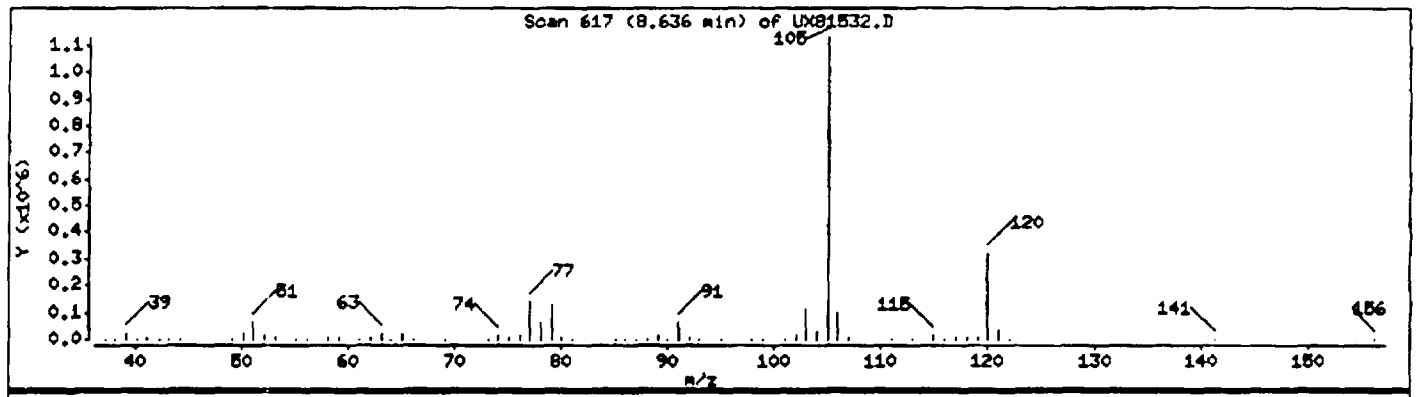
Operator: 2807

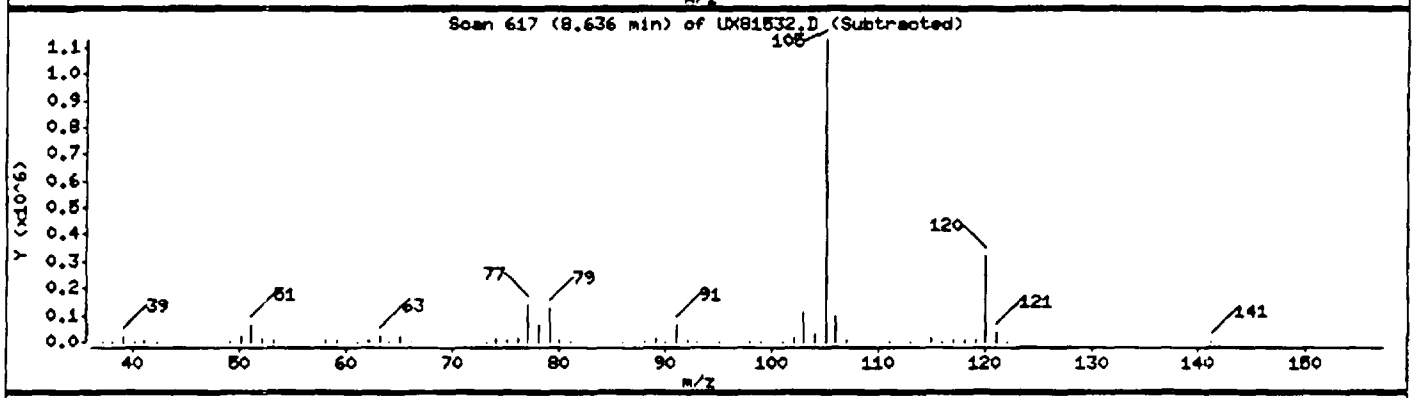
Column phase: DB624 20m

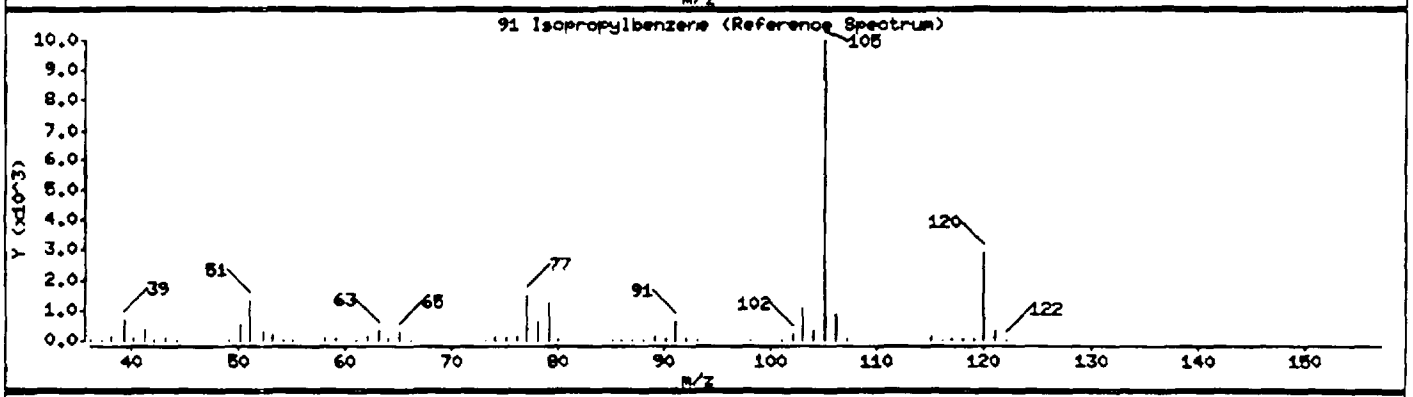
Column diameter: 0.18

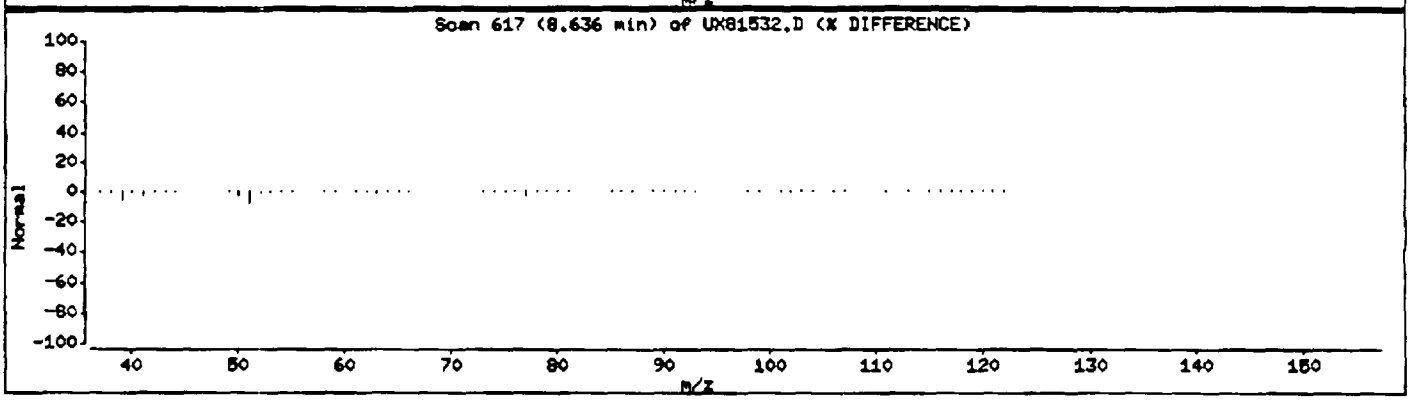
91 Isopropylbenzene

Concentration: 4104.2 UG/KG









RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH91AC Date Extracted:11/08/00
Dilution factor: 5 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-81
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 20 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	6400	J B
71-43-2	Benzene	8200	U
75-27-4	Bromodichloromethane	8200	U
75-25-2	Bromoform	8200	U
74-83-9	Bromomethane	8200	U
78-93-3	2-Butanone	8200	U
75-15-0	Carbon disulfide	8200	U
56-23-5	Carbon tetrachloride	8200	U
108-90-7	Chlorobenzene	8200	U
124-48-1	Dibromochloromethane	8200	U
75-00-3	Chloroethane	8200	U
67-66-3	Chloroform	8200	U
74-87-3	Chloromethane	8200	U
75-34-3	1,1-Dichloroethane	8200	U
107-06-2	1,2-Dichloroethane	8200	U
75-35-4	1,1-Dichloroethene	8200	U
540-59-0	1,2-Dichloroethene (total)	8200	U
78-87-5	1,2-Dichloropropane	8200	U
10061-01-5	cis-1,3-Dichloropropene	8200	U
10061-02-6	trans-1,3-Dichloropropene	8200	U
100-41-4	Ethylbenzene	19000	
591-78-6	2-Hexanone	8200	U
75-09-2	Methylene chloride	8200	U
108-10-1	4-Methyl-2-pentanone	8200	U
100-42-5	Styrene	8200	U
79-34-5	1,1,2,2-Tetrachloroethane	8200	U
127-18-4	Tetrachloroethene	8200	U
108-88-3	Toluene	8200	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH91AC Date Extracted:11/08/00
Dilution factor: 5 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-81
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 20 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-55-6	1,1,1-Trichloroethane	8200	U
79-00-5	1,1,2-Trichloroethane	8200	U
79-01-6	Trichloroethene	8200	U
75-01-4	Vinyl chloride	8200	U
1330-20-7	Xylenes (total)	95000	

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH91AC Date Extracted:11/08/00
Dilution factor: 5 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-81
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 20 / uL

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
103-65-1	Benzene, propyl-	9.0356	48000	NJ
620-14-4	Benzene, 1-ethyl-3-methyl-	9.1184	250000	NJ
95-63-6	Benzene, 1,2,4-trimethyl-	9.2013	110000	NJ
611-14-3	Benzene, 1-ethyl-2-methyl-	9.4024	59000	NJ
108-67-8	Benzene, 1,3,5-trimethyl-	9.5681	180000	NJ
1074-17-5	Benzene, 1-methyl-2-propyl-	9.7337	4400	NJ
527-84-4	Benzene, 1-methyl-2-(1-methy	9.8284	5300	NJ
526-73-8	Benzene, 1,2,3-trimethyl-	9.9822	46000	NJ
135-01-3	Benzene, 1,2-diethyl-	10.171	79000	NJ
527-53-7	Benzene, 1,2,3,5-tetramethyl	11.082	4500	NJ
933-98-2	Benzene, 1-ethyl-2,3-dimethy	10.254	50000	NJ
535-77-3	Benzene, 1-methyl-3-(1-methy	10.562	20000	NJ
99-87-6	Benzene, 1-methyl-4-(1-methy	10.633	33000	NJ
25155-15-1	Benzene, methyl(1-methylethy	11.508	5300	NJ
91-20-3	Naphthalene	12.147	5700	NJ
90-12-0	Naphthalene, 1-methyl-	13.378	14000	NJ
91-57-6	Naphthalene, 2-methyl-	13.626	7000	NJ
98-82-8	Isopropylbenzene	8.633	11000	

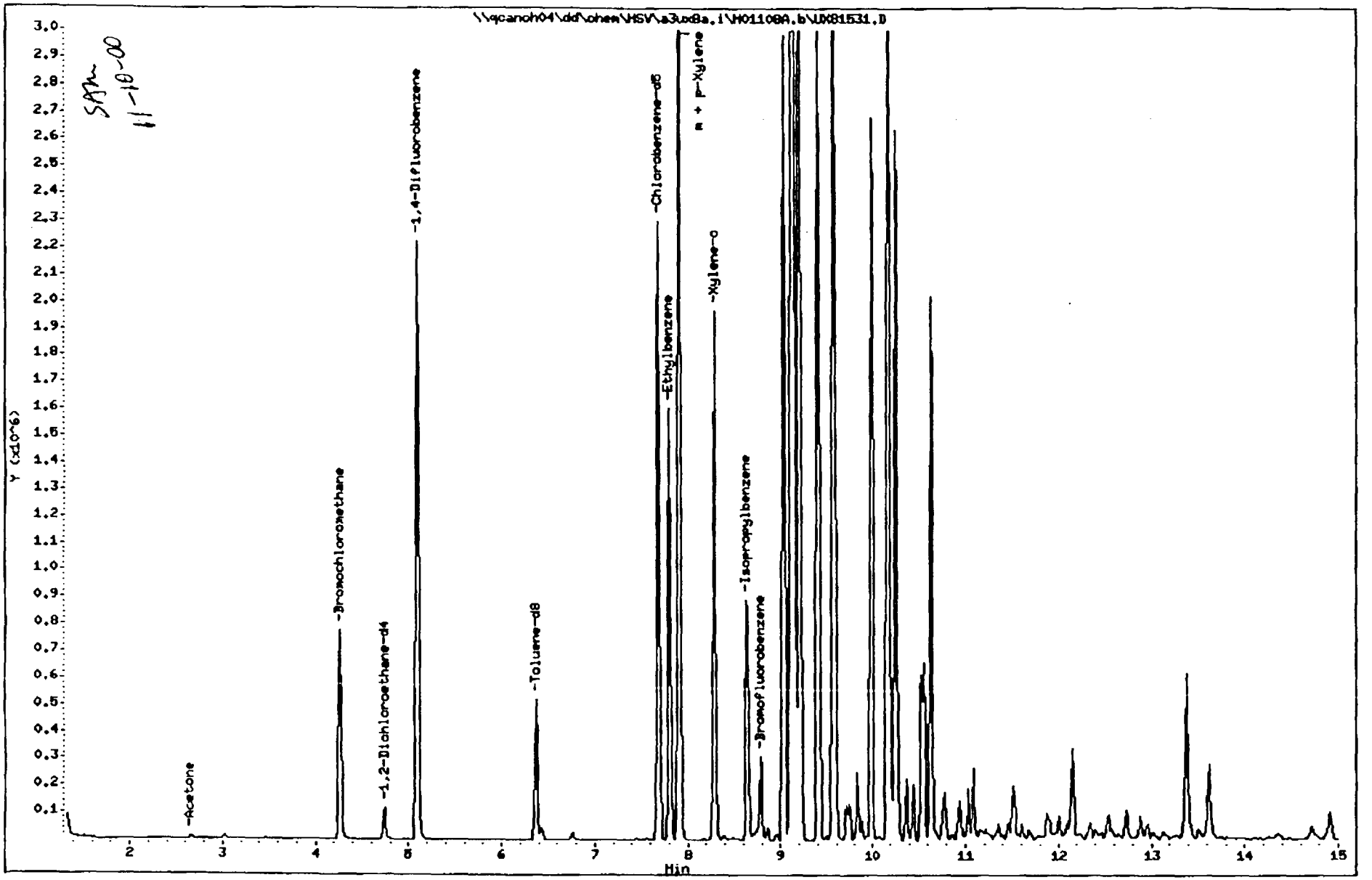
FORM I - TIC

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\H011108A.b\UX81531.D
Date : 08-NOV-2000 21:30
Client ID: SL-81-3.5'
Sample Info: DPDH91AC,,2,20UL/5ML

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807
Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81531.D
Lab Smp Id: DPDH91AC Client Smp ID: SL-81-3.5'
Inj Date : 08-NOV-2000 21:30
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPDH91AC,,2,20UL/5ML
Misc Info : M01108A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	20.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.267	4.269	(1.000)	315625	250.000	
* 2 1,4-Difluorobenzene	114	5.095	5.097	(1.000)	2167222	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.689	(1.000)	1729706	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.740	4.730	(1.111)	85217	45.5178	5689.7
$ 5 Toluene-d8	98	6.373	6.375	(0.829)	406226	43.8677	5483.5
$ 6 Bromofluorobenzene	95	8.787	8.789	(1.143)	131248	45.0203	5627.5
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	Compound Not Detected.					
14 Acetone	43	2.657	2.660	(0.623)	15034	38.9993	4874.9
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	7.805	7.807	(1.015)	447552	113.348	14168
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.911	7.913	(1.029)	1850677	390.245	48780
	44 Xylene-o	106	8.290	8.292	(1.079)	667968	153.920	19240
M	80 Xylenes (total)	106				2518645	580.371	72546
	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.					
	90 Cyclohexane	56	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.					
	91 Isopropylbenzene	105	8.633	8.635	(1.123)	776039	68.9280	8616.0
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

98-82-8

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81531.D

Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

Sample Info: DPDH91AC,,2,20UL/5ML

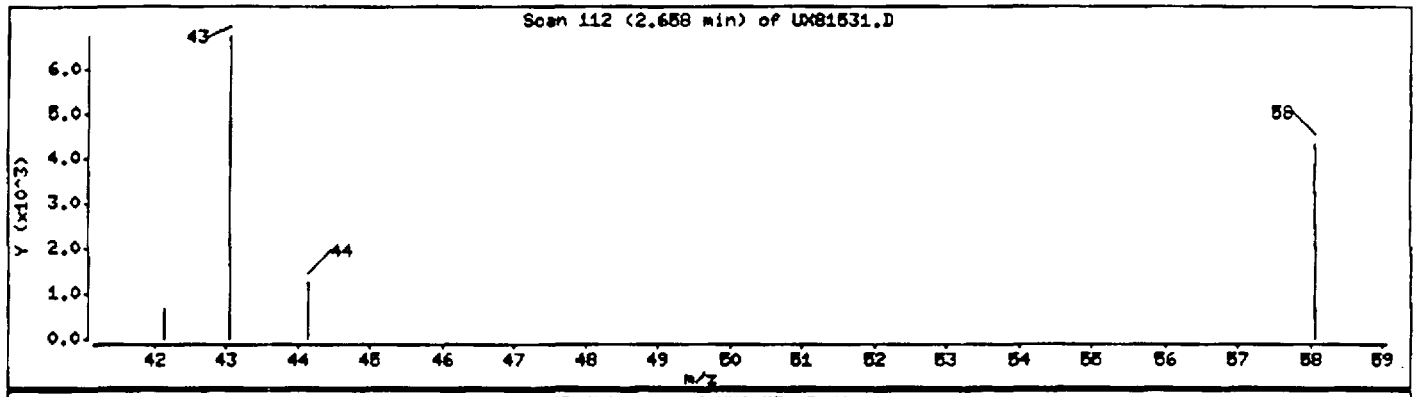
Operator: 2807

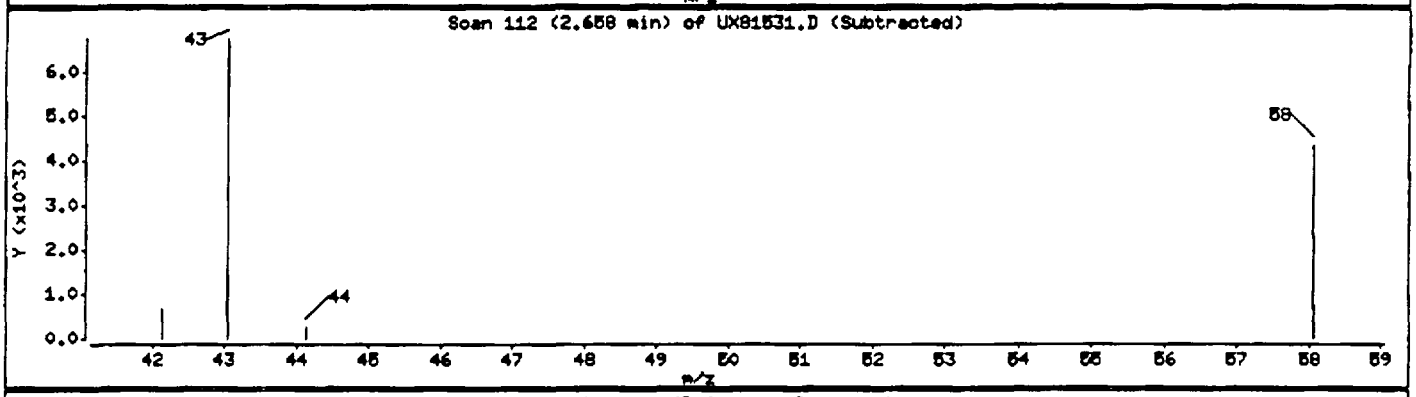
Column phase: DB624 20m

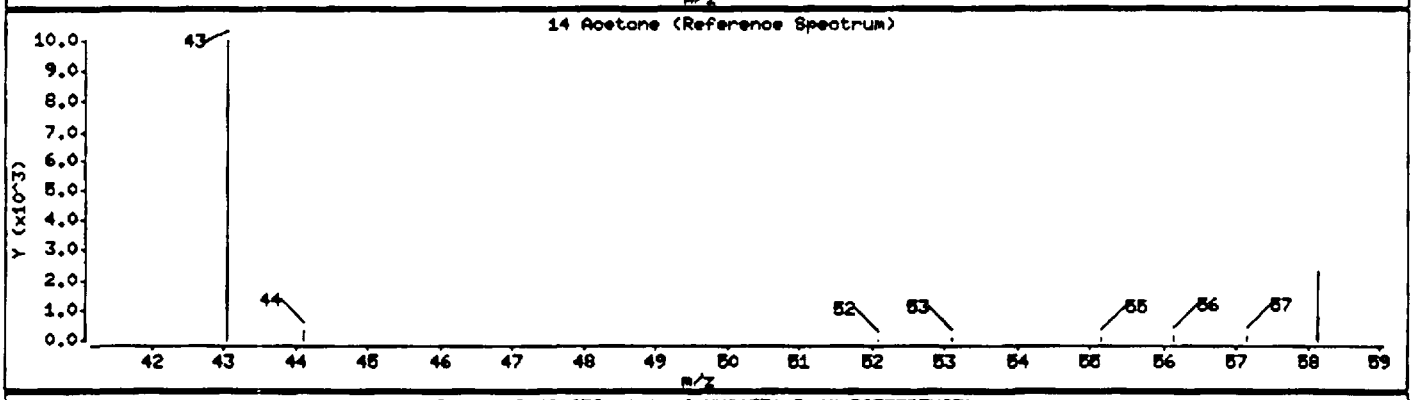
Column diameter: 0.18

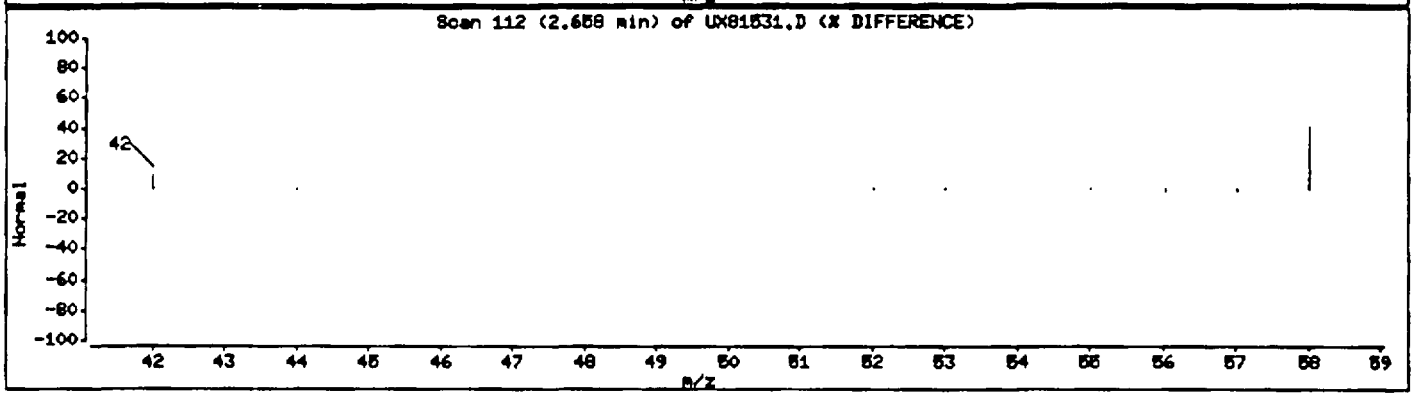
14 Acetone

Concentration: 4874.9 UG/KG









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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

Sample Info: DPDH91AC,,2,20UL/5ML

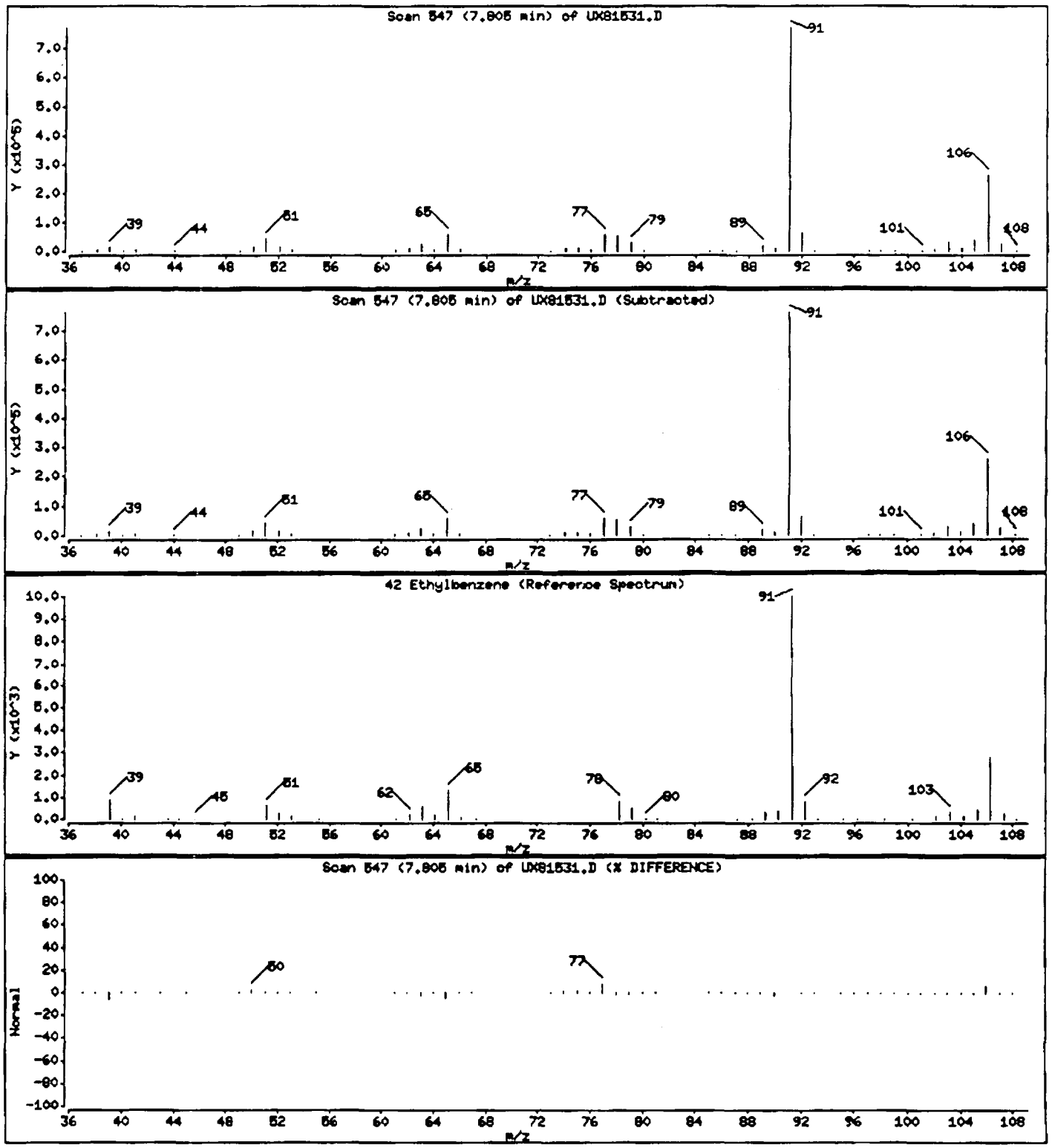
Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

42 Ethylbenzene

Concentration: 14168 UG/KG



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

Sample Info: DPDH91AC,,2,20UL/5ML

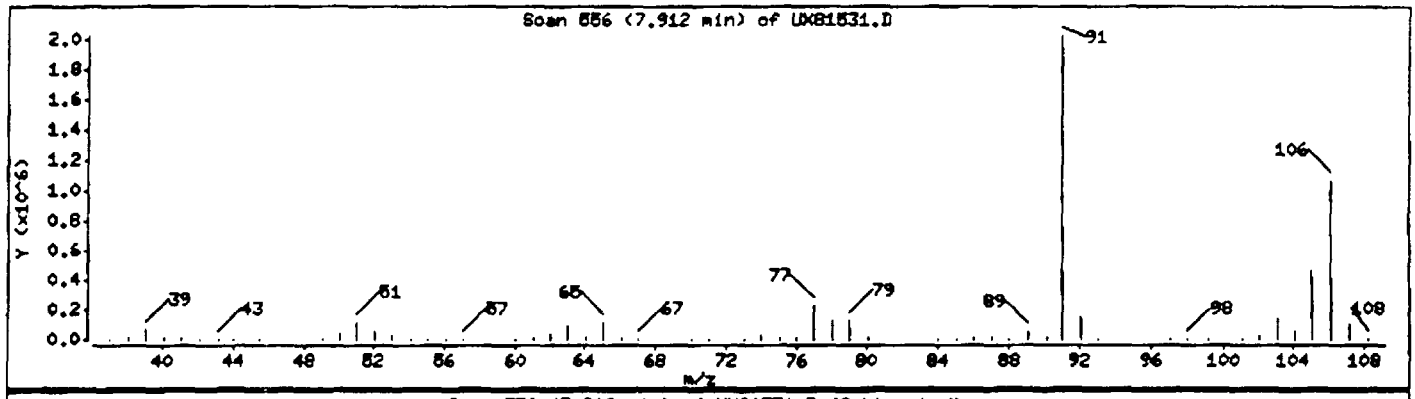
Operator: 2807

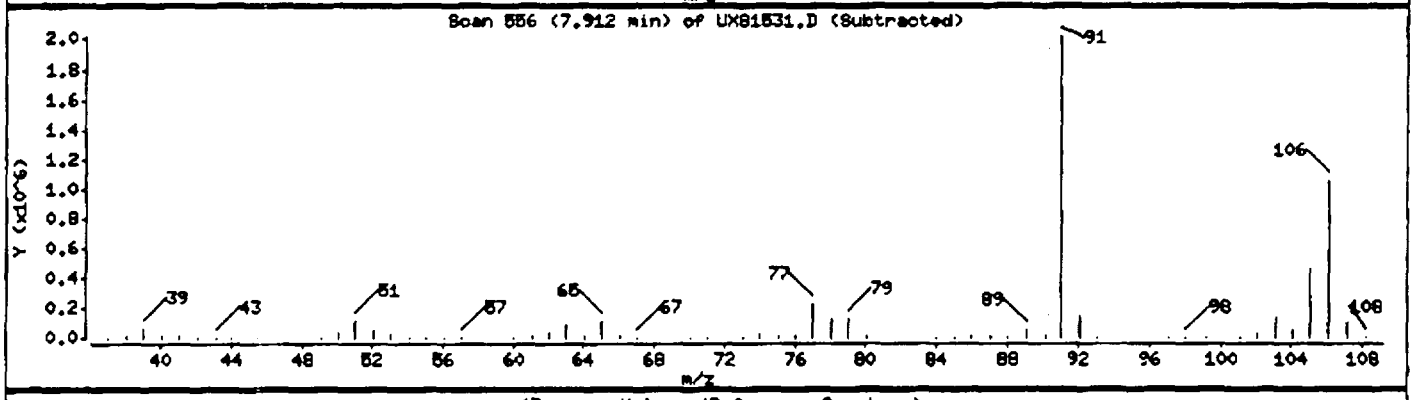
Column phase: DB624 20m

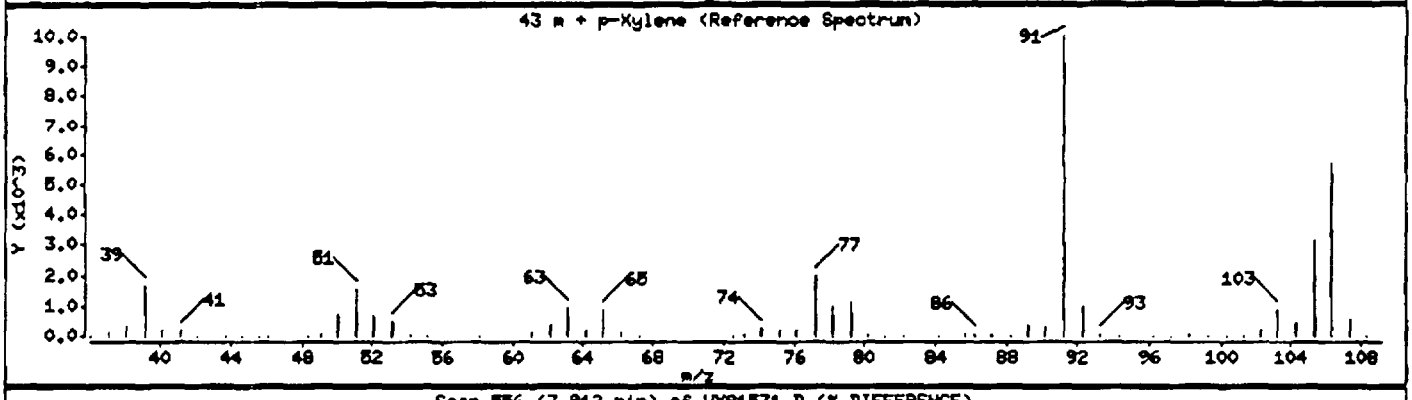
Column diameter: 0.18

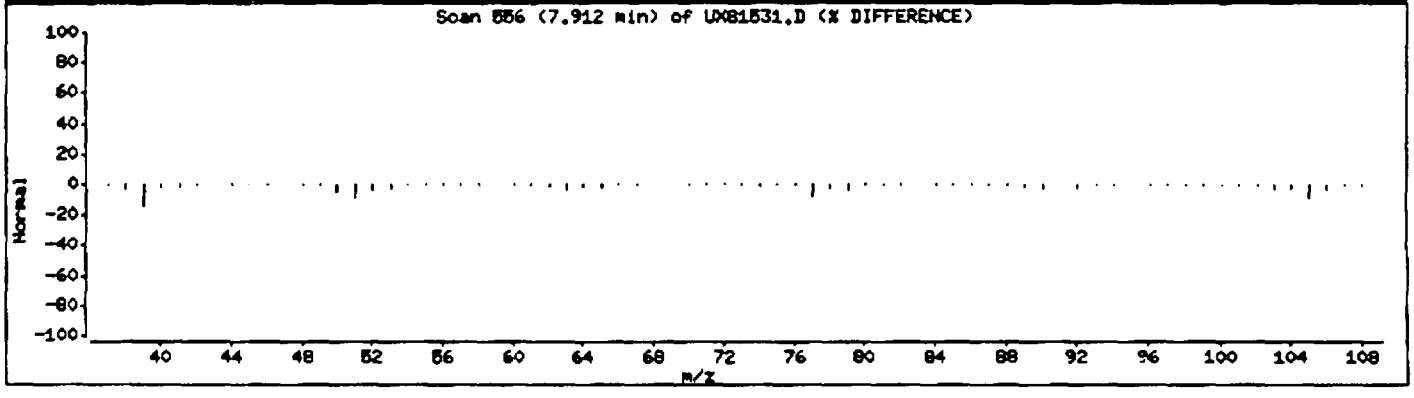
43 m + p-Xylene

Concentration: 48780 UG/KG









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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

Sample Info: DPDM91AC,,2,20UL/5ML

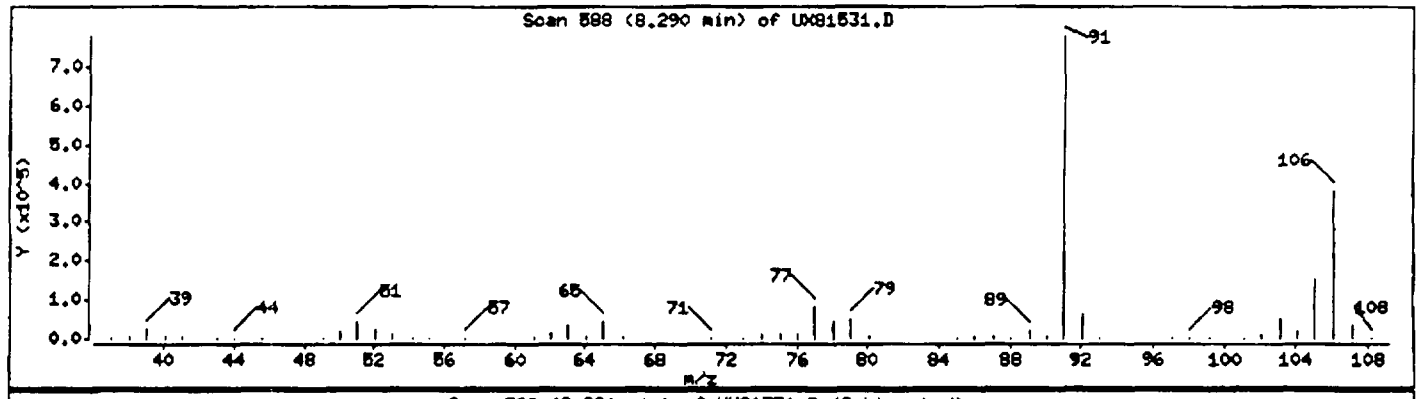
Operator: 2907

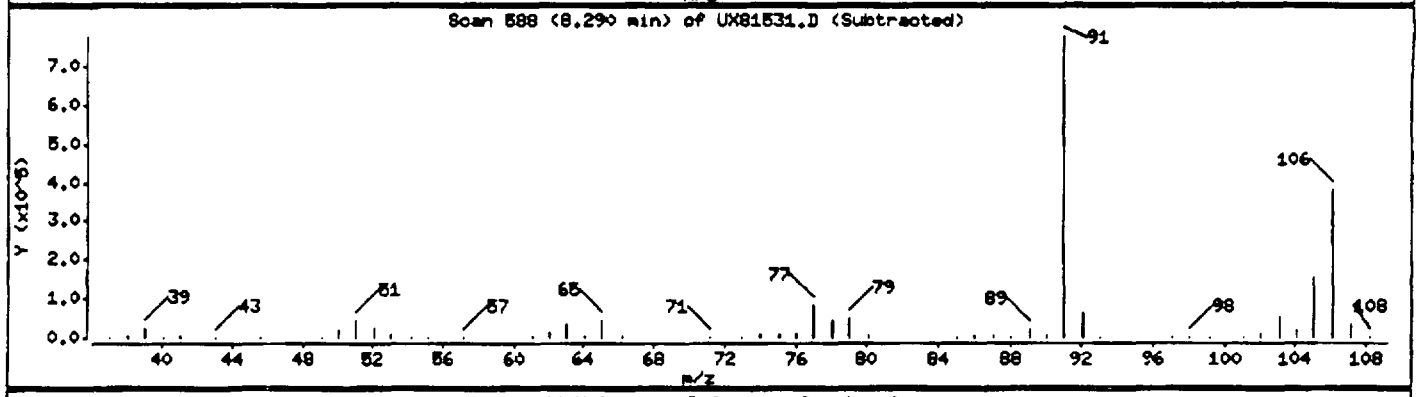
Column phase: DB624 20m

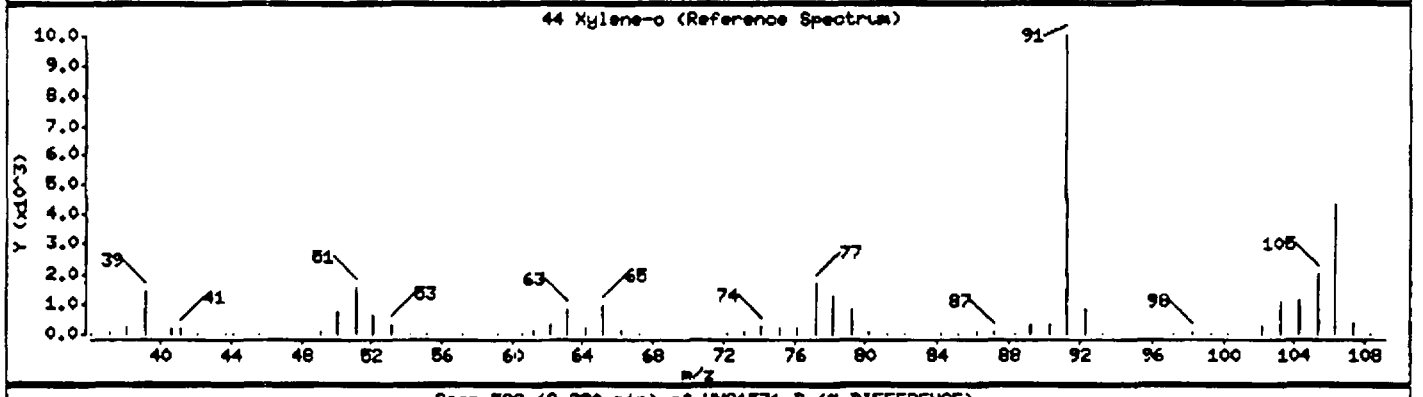
Column diameter: 0.18

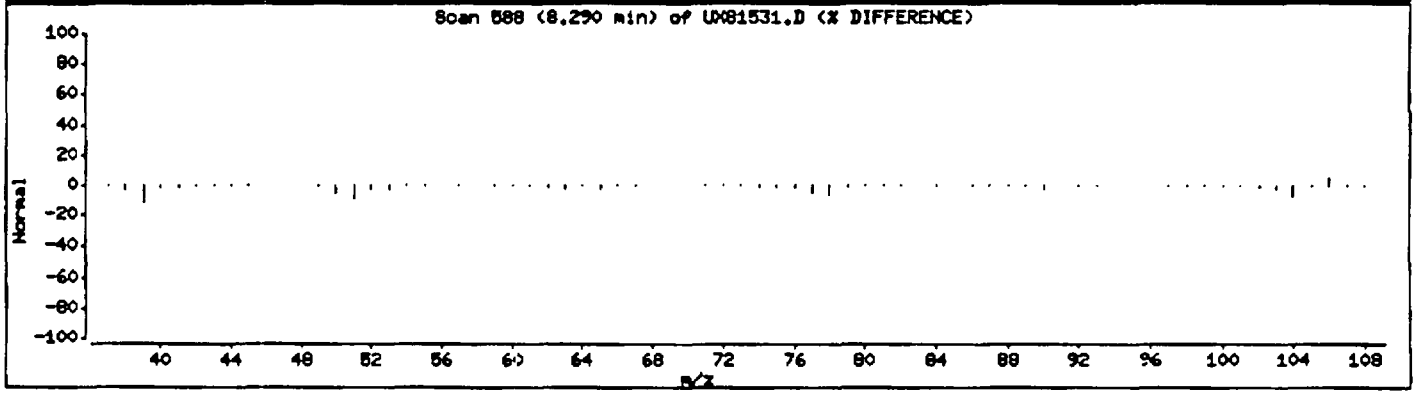
44 Xylene-o

Concentration: 19240 UG/KG









STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81531.D
Lab Smp Id: DPDH91AC Client Smp ID: SL-81-3.5'
Inj Date : 08-NOV-2000 21:30
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPDH91AC,,2,20UL/5ML
Misc Info : M01108A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	20.000	Amount of extract
Vt	10000.000	Final extraction Vol

ISTD	RT	AREA	AMOUNT
* 3 Chlorobenzene-d5	7.687	4316409	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(UG/KG)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, propyl-					CAS #: 103-65-1		
9.036	5036275	291.693570	36462	86	NBS75K.1	64582	3
Benzene, 1-ethyl-3-methyl-					CAS #: 620-14-4		
9.118	26691280	1545.91930	193240	94	NBS75K.1	64563	3(L)

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, 1,2,4-trimethyl-				CAS #: 95-63-6			
9.201	11574445	670.374668	83797	94	NBS75K.1	64579	3
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
9.402	6185520	358.256134	44782	95	NBS75K.1	64557	3
Benzene, 1,3,5-trimethyl-				CAS #: 108-67-8			
9.568	19184269	1111.12437	138890	95	NBS75K.1	64569	3
Benzene, 1-methyl-2-propyl-				CAS #: 1074-17-5			
9.734	460944	26.6971920	3337.1	91	NBS75K.1	65584	3
Benzene, 1-methyl-2-(1-methylethyl)-				CAS #: 527-84-4			
9.828	555467	32.1718238	4021.5	97	NBS75K.1	65581	3
Benzene, 1,2,3-trimethyl-				CAS #: 526-73-8			
9.982	4890587	283.255537	35407	95	NBS75K.1	64576	3
Benzene, 1,2-diethyl-				CAS #: 135-01-3			
10.172	8266100	478.760238	59845	94	NBS75K.1	65562	3
Benzene, 1-ethyl-2,3-dimethyl-				CAS #: 933-98-2			
10.254	5313811	307.768043	38471	91	NBS75K.1	65555	3
Benzene, 1-methyl-3-(1-methylethyl)-				CAS #: 535-77-3			
10.562	2118050	122.674311	15334	95	NBS75K.1	65579	3
Benzene, 1-methyl-4-(1-methylethyl)-				CAS #: 99-87-6			
10.633	3492842	202.300222	25288	97	NBS75K.1	65538	3
Benzene, 1,2,3,5-tetramethyl-				CAS #: 527-53-7			
11.083	478586	27.7189905	3464.9	97	NBS75K.1	6220	3
Benzene, methyl(1-methylethyl)-				CAS #: 25155-15-1			
11.509	553859	32.0786909	4009.8	64	NBS75K.1	6208	3
Naphthalene				CAS #: 91-20-3			
12.148	599942	34.7477498	4343.5	91	NBS75K.1	65151	3
Naphthalene, 1-methyl-				CAS #: 90-12-0			
13.378	1436931	83.2249099	10403	91	NBS75K.1	66231	3(L)
Naphthalene, 2-methyl-				CAS #: 91-57-6			
13.627	735143	42.5783910	5322.3	94	NBS75K.1	66235	3

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\qcanon04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81531.D

Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

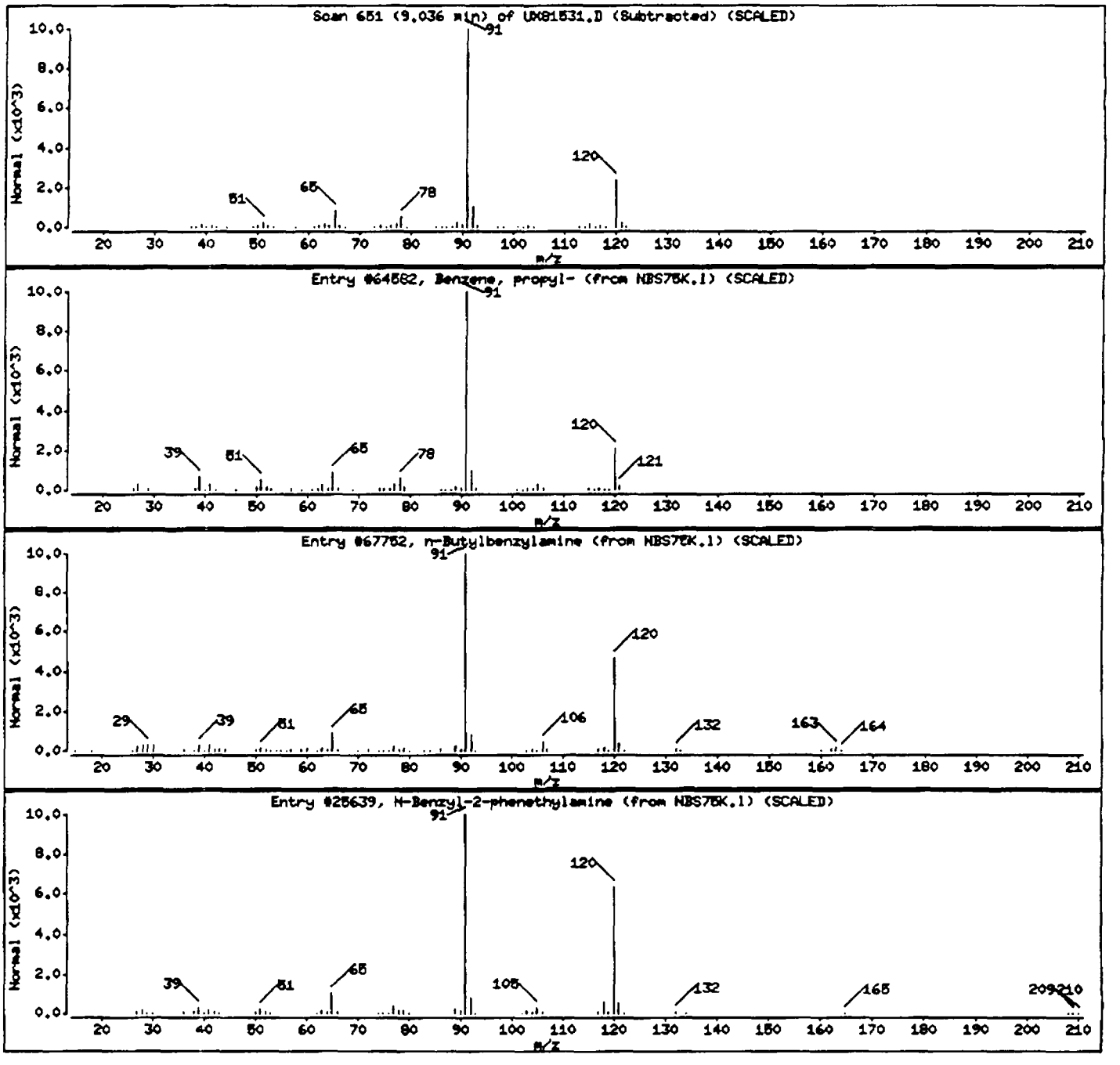
Sample Info: DPDH91AC,,2,20UL/5HL

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NBS75K.1	64582	86	C9H12	120
n-Butylbenzylamine	2403-22-7	NBS75K.1	67752	64	C11H17N	163
N-Benzyl-2-phenethylamine	3647-71-0	NBS75K.1	25639	64	C15H17N	211



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

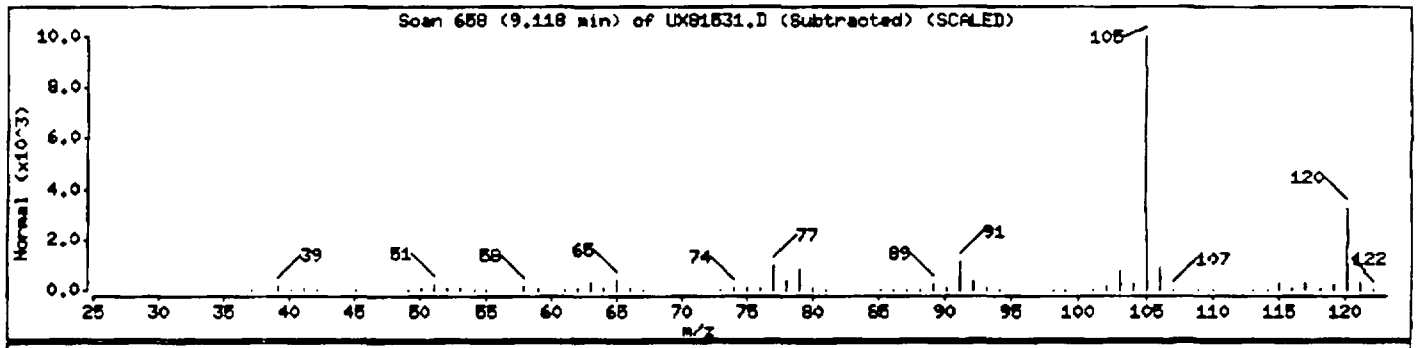
Sample Info: DPDH91AC,,2,20UL/5ML

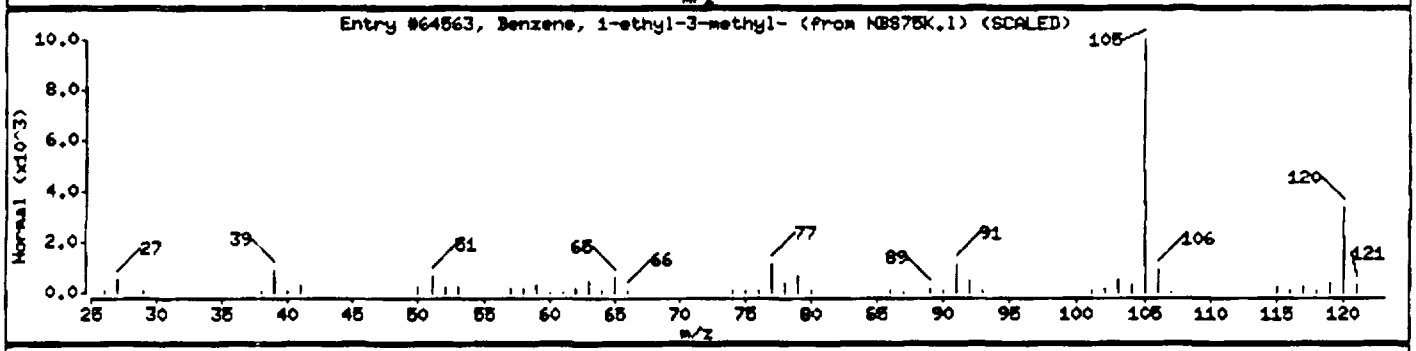
Operator: 2807

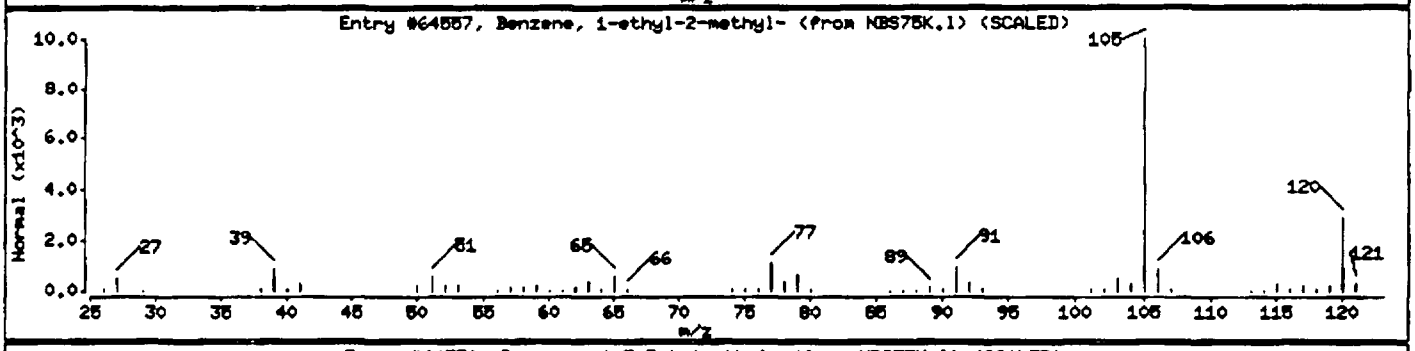
Column phase: DB624 20m

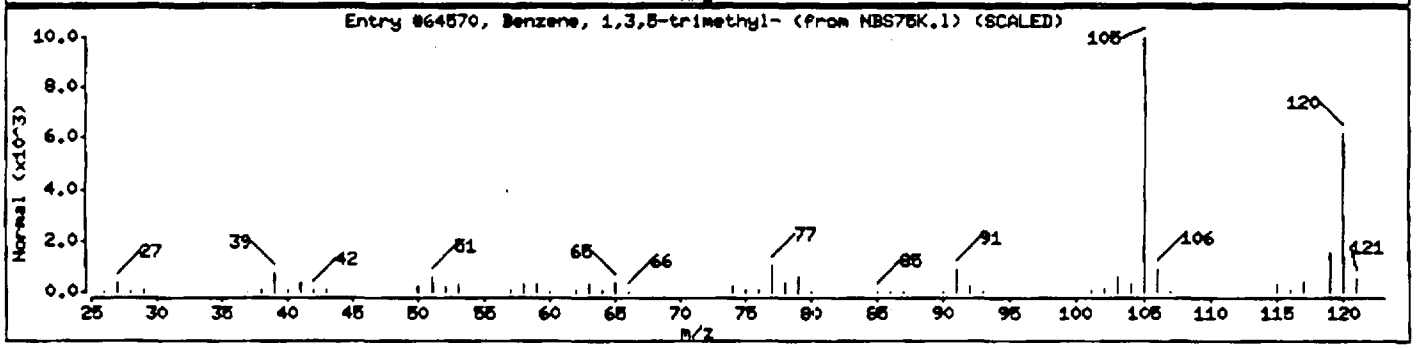
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64557	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64570	91	C9H12	120









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Date : 08-NOV-2005 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

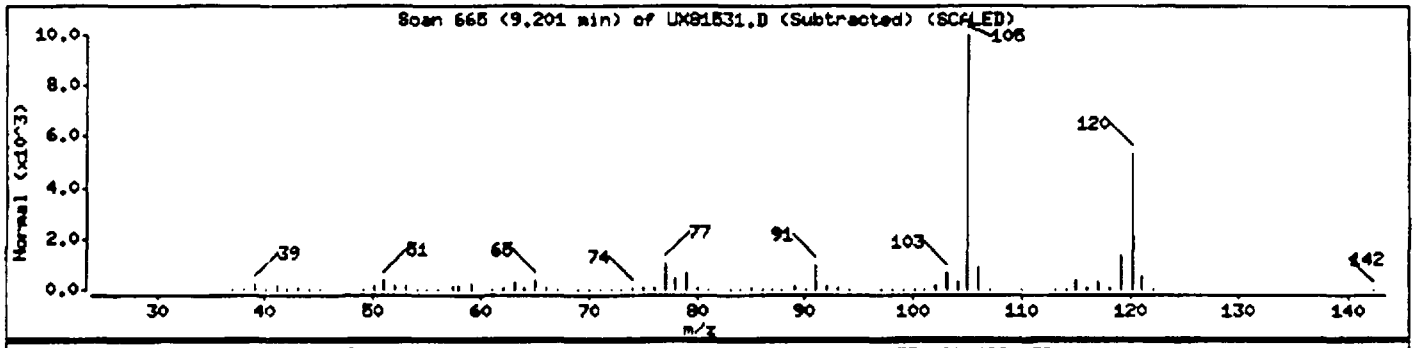
Sample Info: DPDH91AC,,2,20UL/5ML

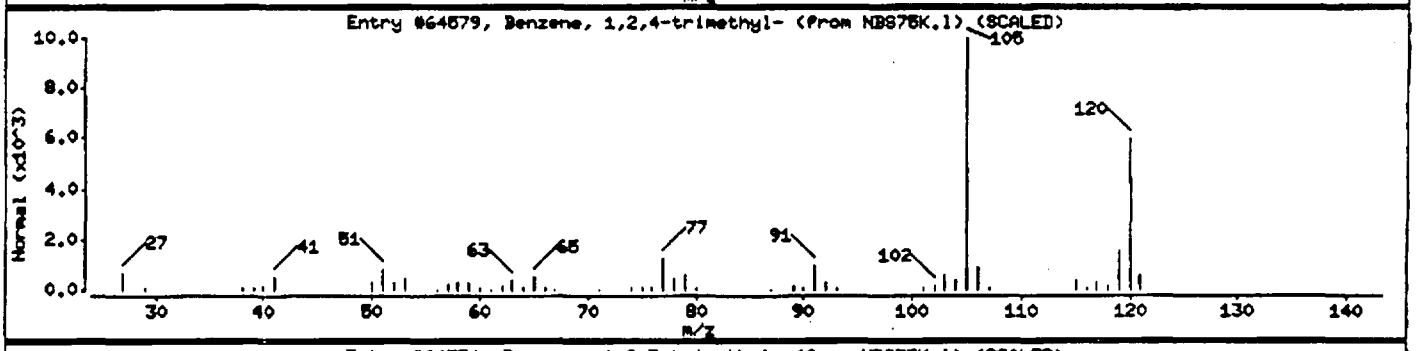
Operator: 2807

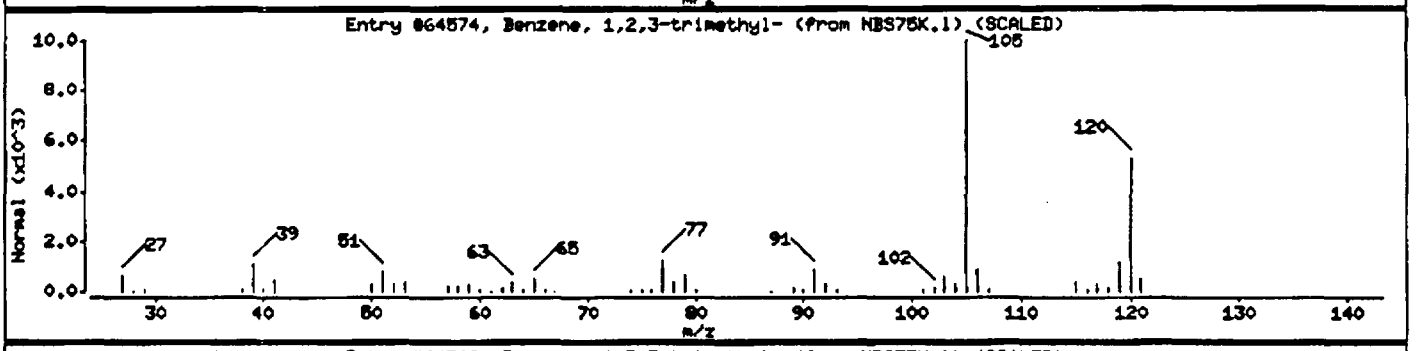
Column phase: DB624 20m

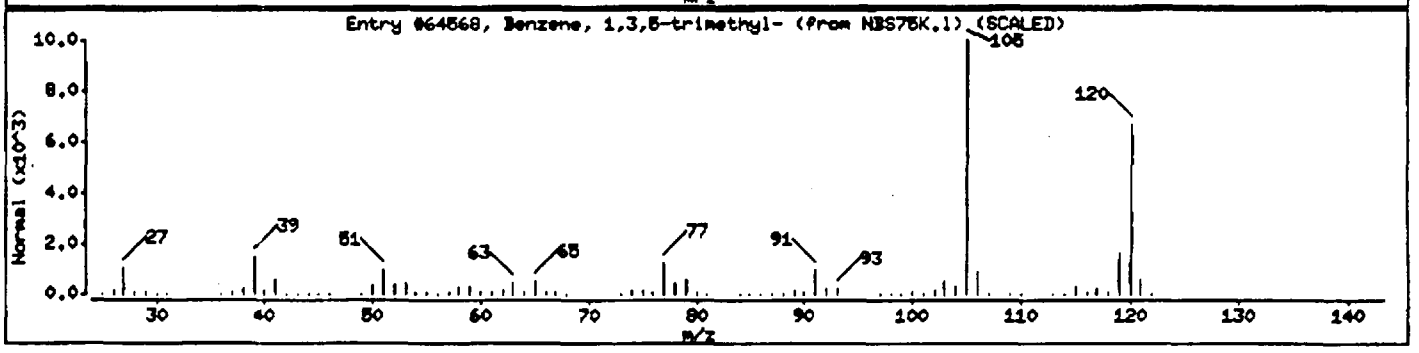
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64579	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64574	94	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64568	94	C9H12	120









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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

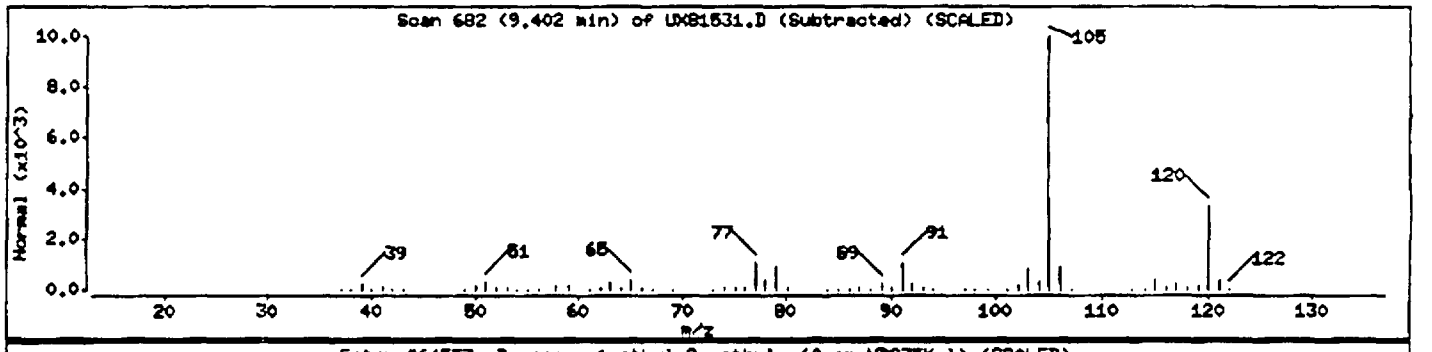
Sample Info: DPDH91AC,,2,20UL/5ML

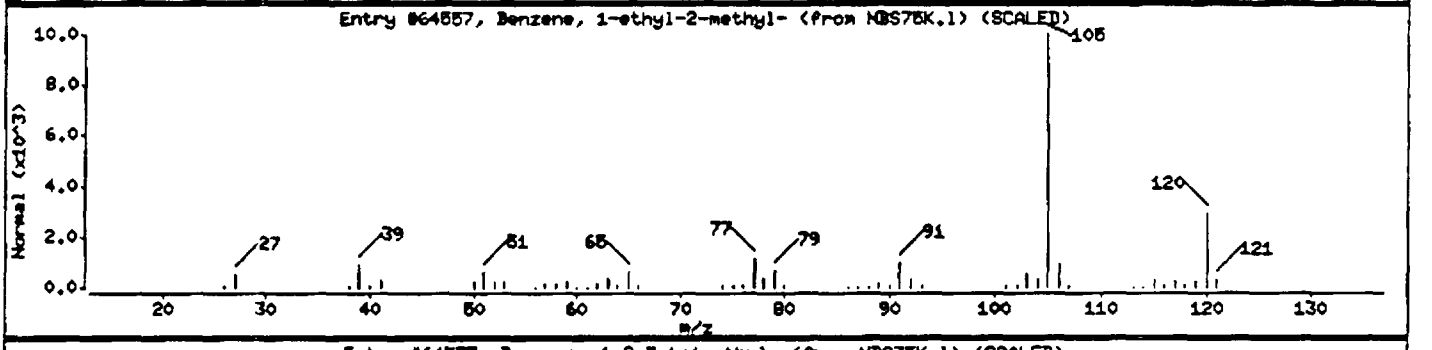
Operator: 2807

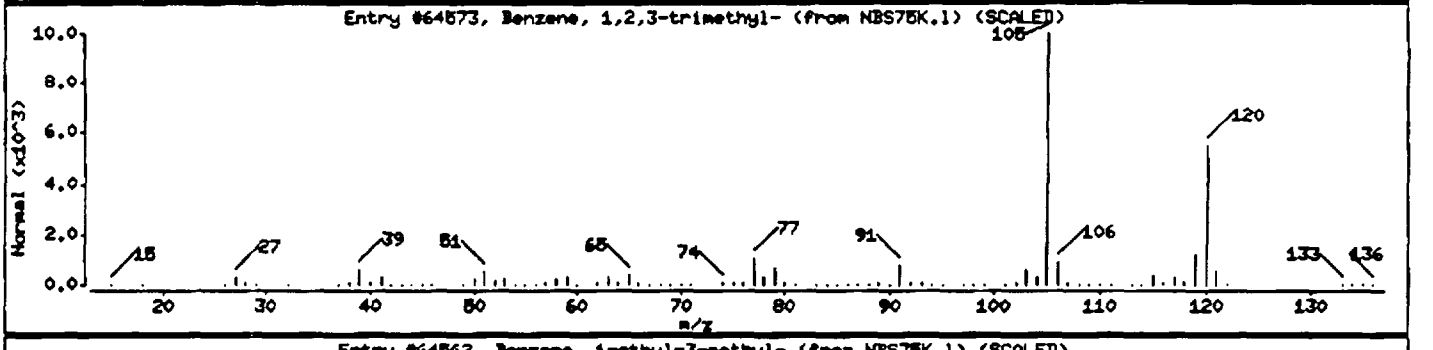
Column phase: DB624 20m

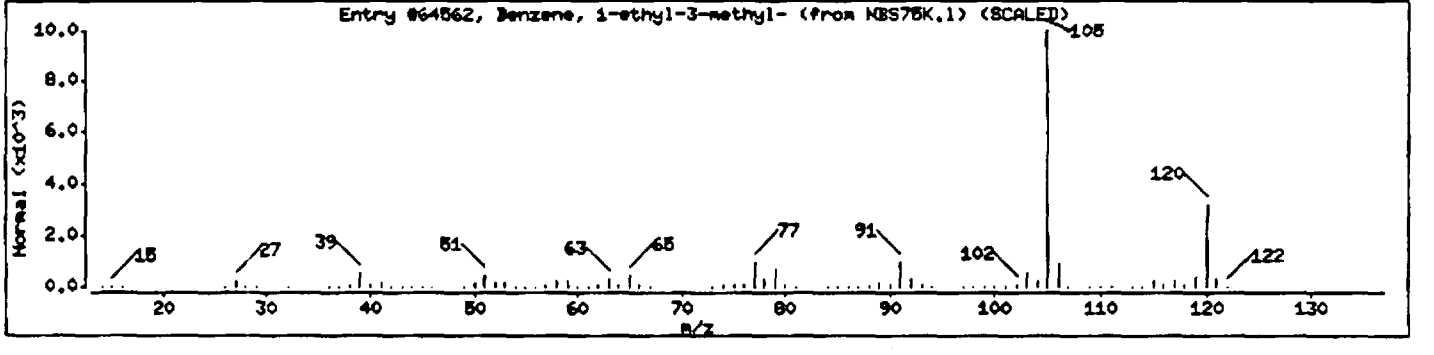
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64557	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64573	91	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64562	91	C9H12	120









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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

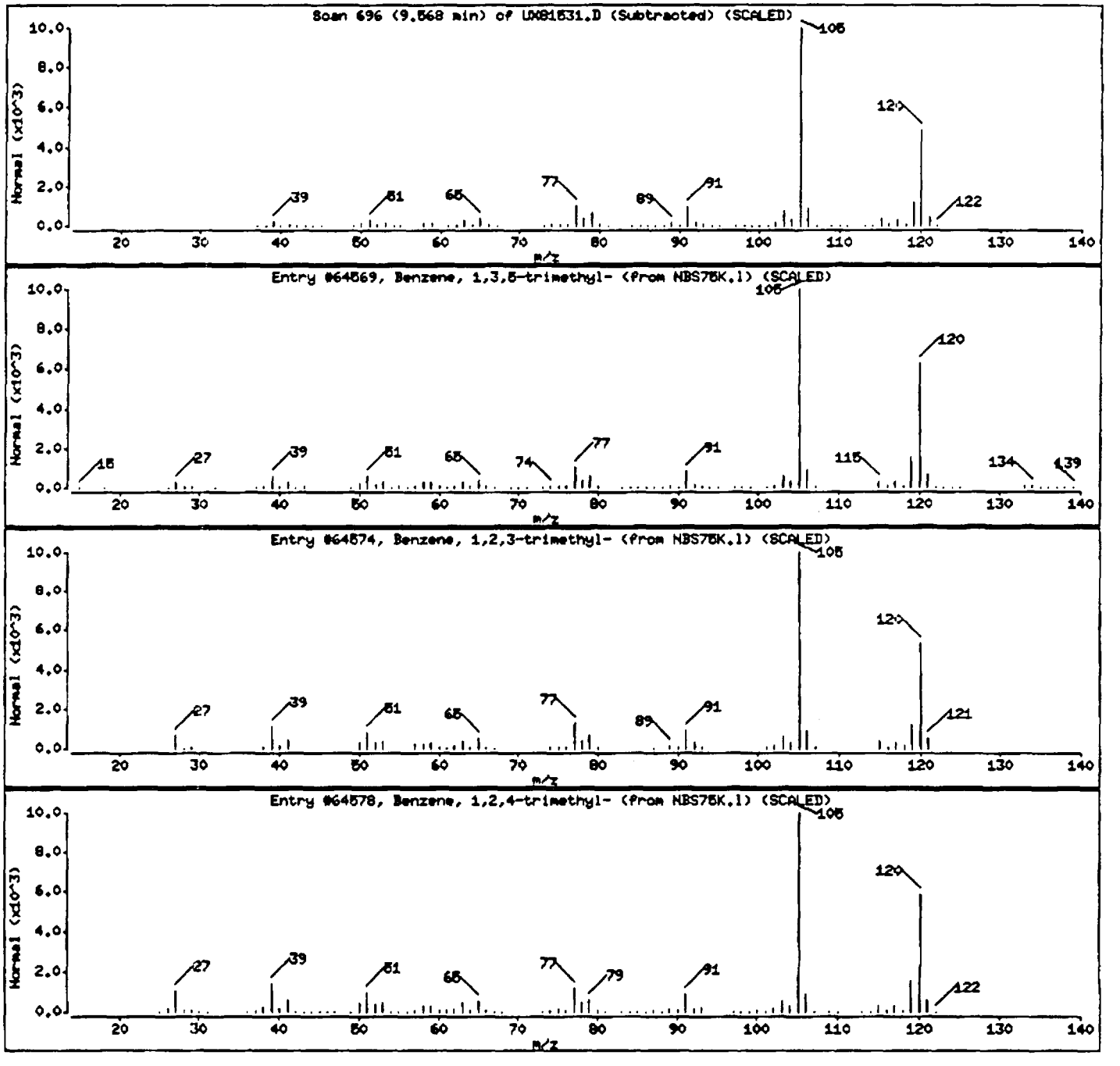
Sample Info: DPDH91AC,,2,20UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64574	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64578	94	C9H12	120



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

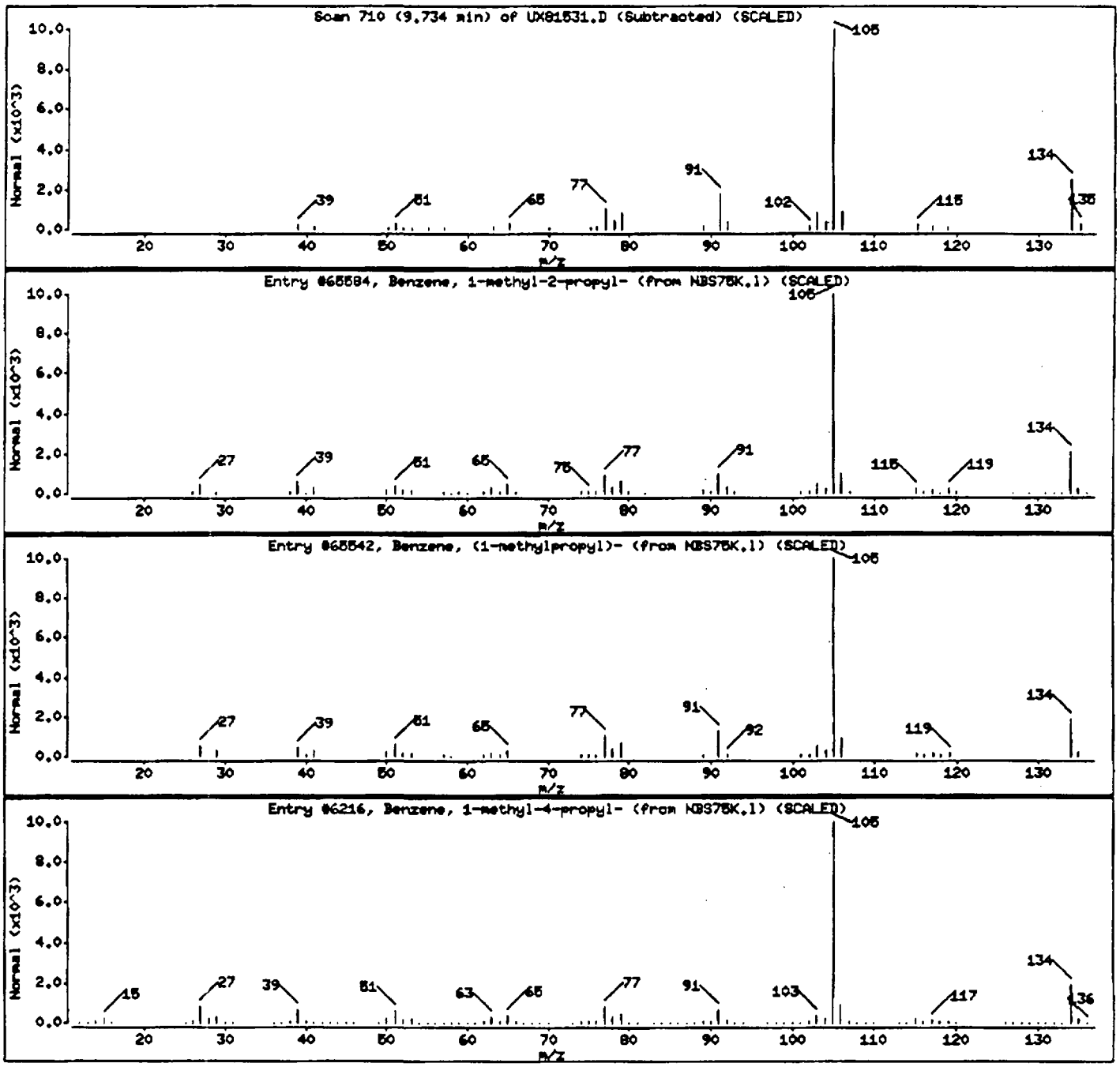
Sample Info: DPDH91AC,,2,20UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-propyl-	1074-17-5	NBS75K.l	65584	91	C10H14	134
Benzene, (1-methylpropyl)-	135-98-8	NBS75K.l	65542	91	C10H14	134
Benzene, 1-methyl-4-propyl-	1074-55-1	NBS75K.l	6216	90	C10H14	134



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

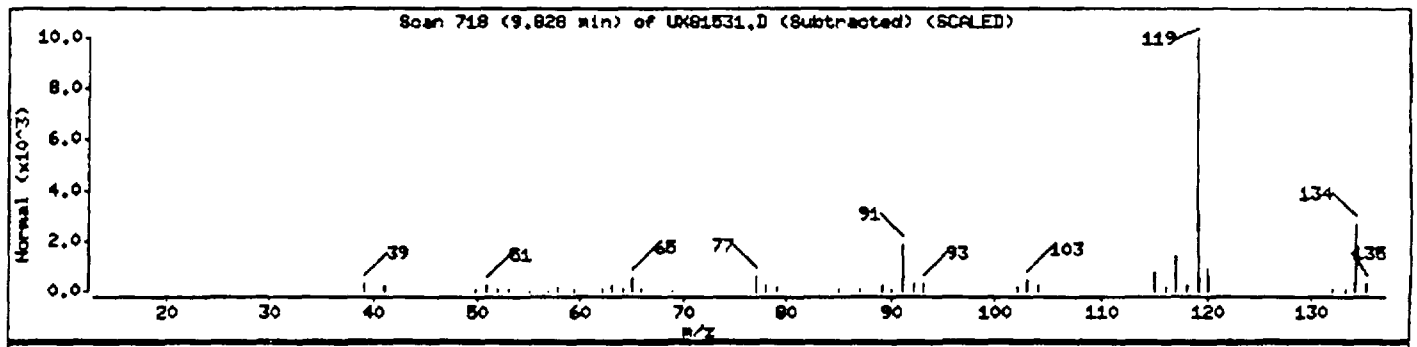
Sample Info: DPDH91AC,,2,20UL/5ML

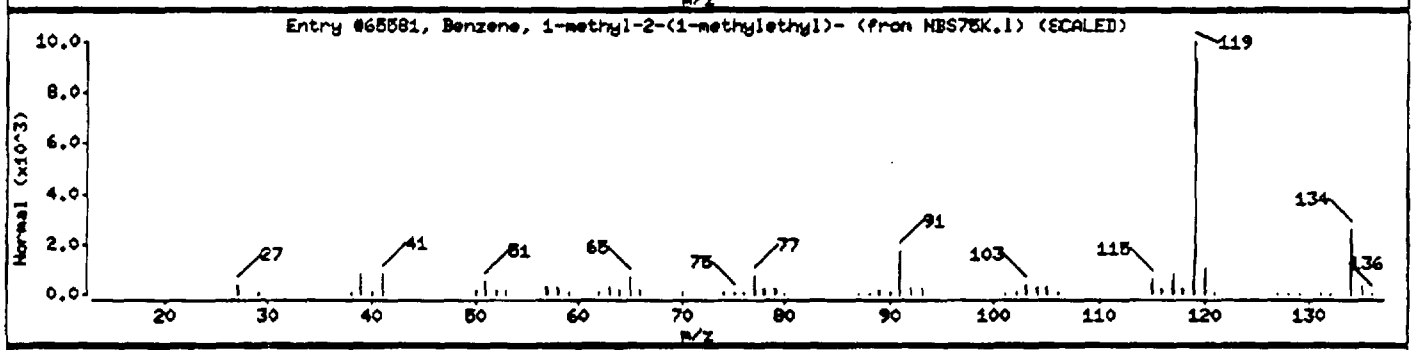
Operator: 2807

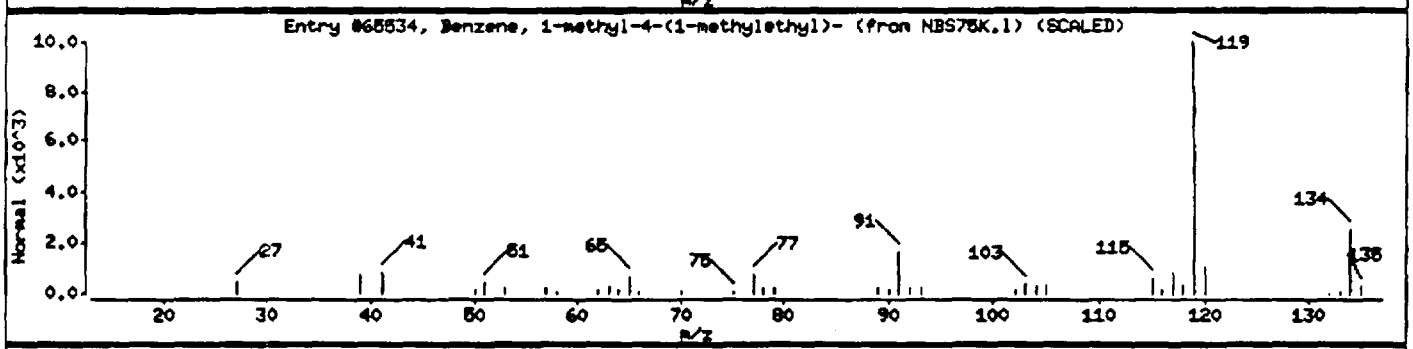
Column phase: DB624 20m

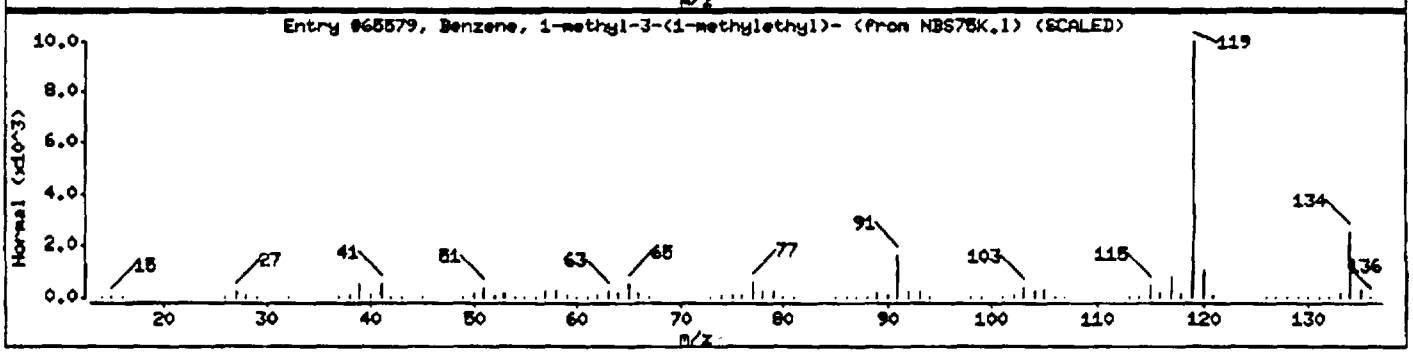
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	97	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65534	95	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	95	C10H14	134









Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81531.D

Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

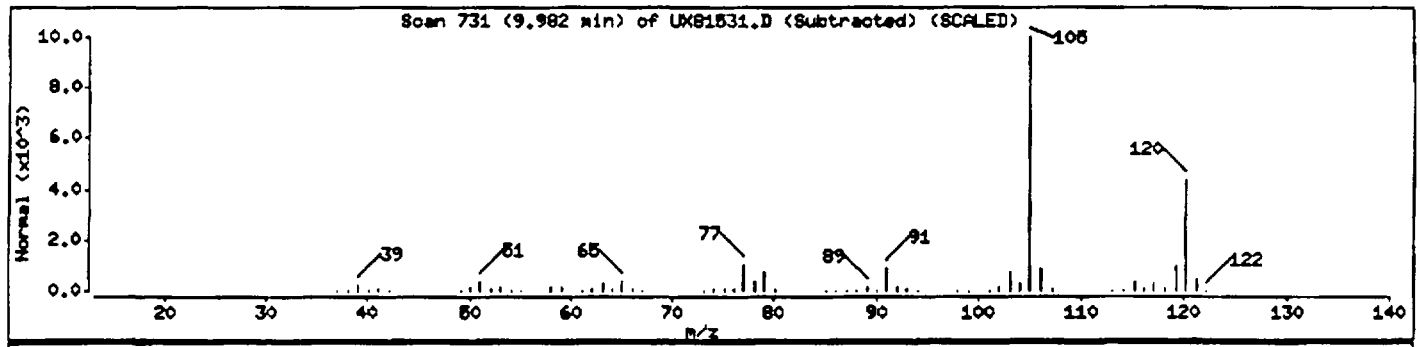
Sample Info: DPDH91AC,,2,20UL/5ML

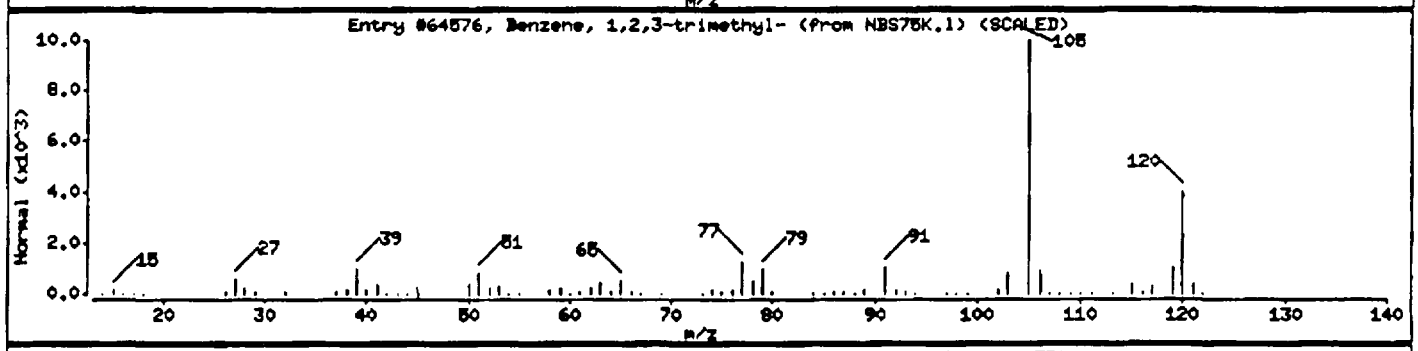
Operator: 2807

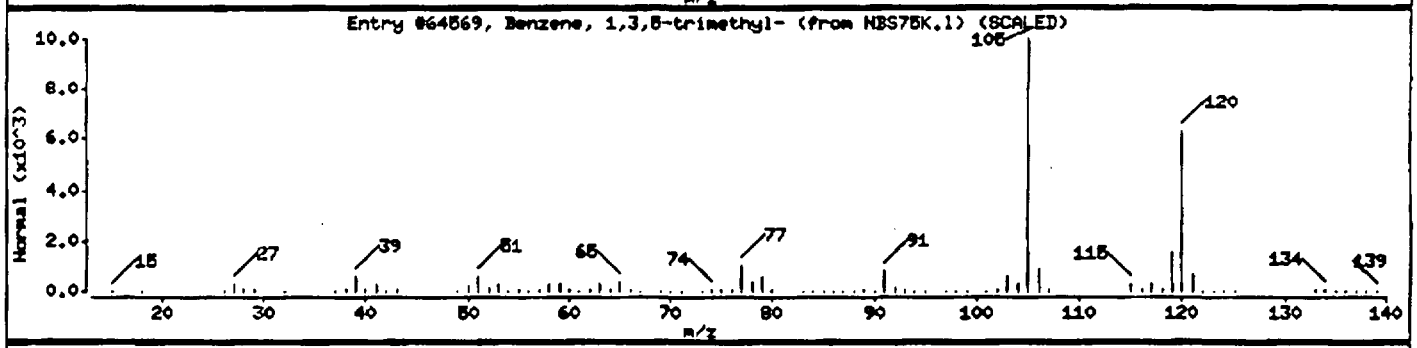
Column phase: DB624 20m

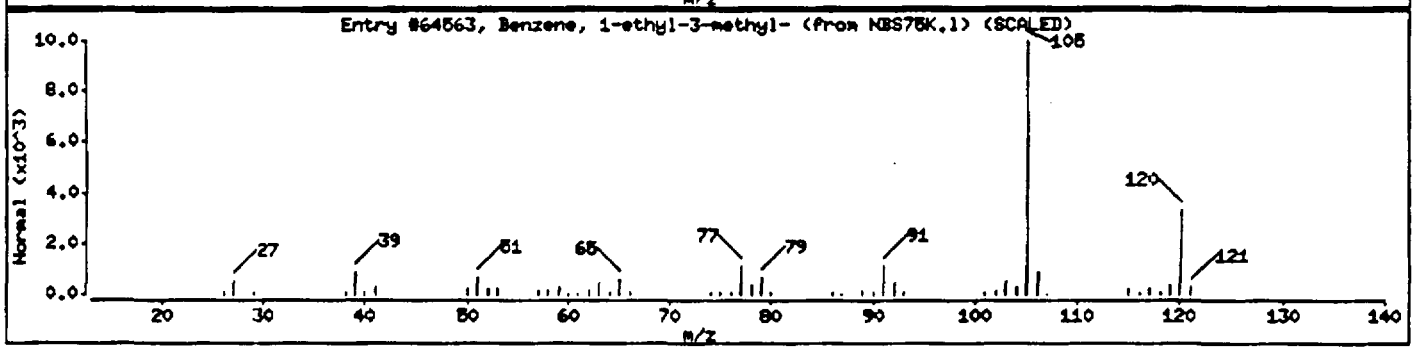
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64576	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120









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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

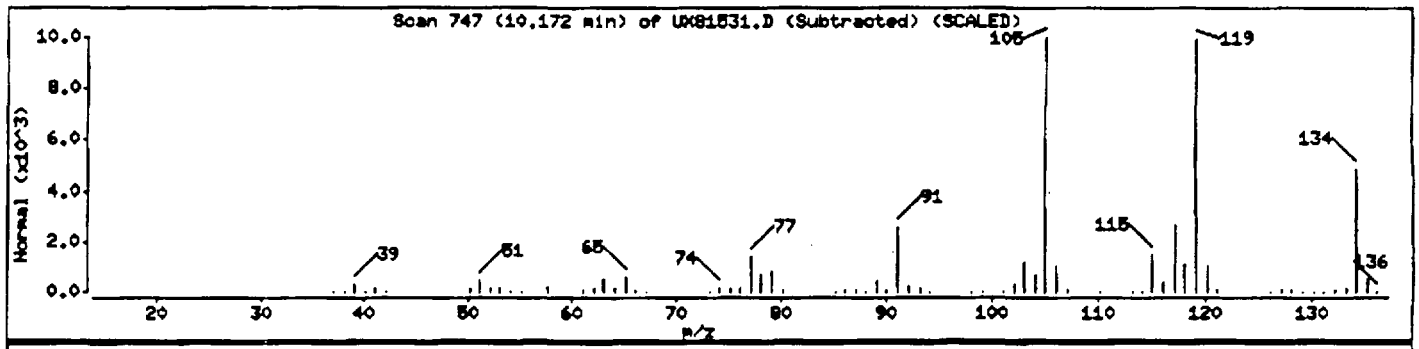
Sample Info: DPDH91AC,,2,20UL/5ML

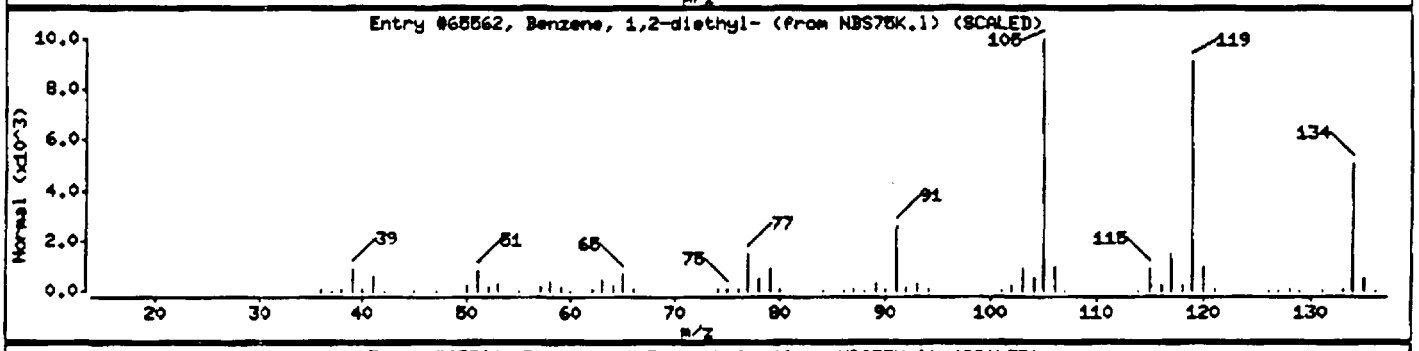
Operator: 2807

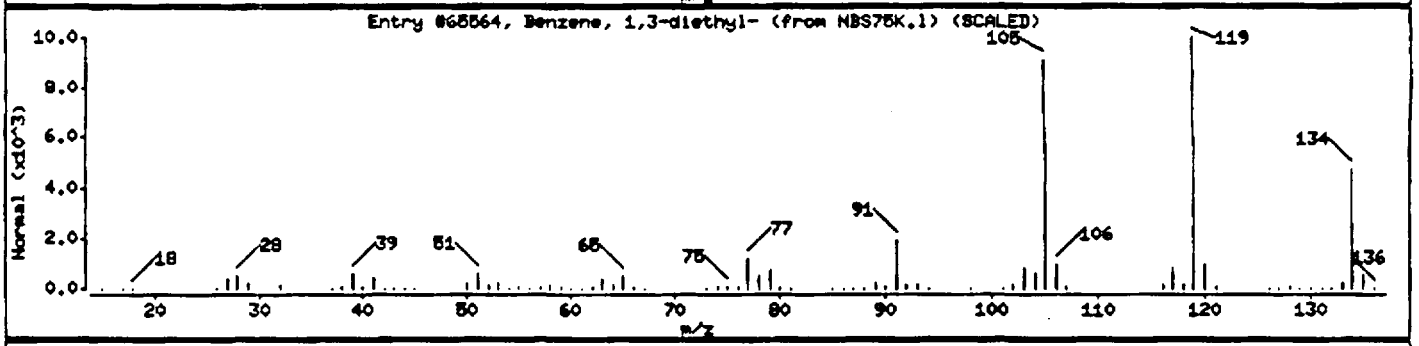
Column phase: DB624 20m

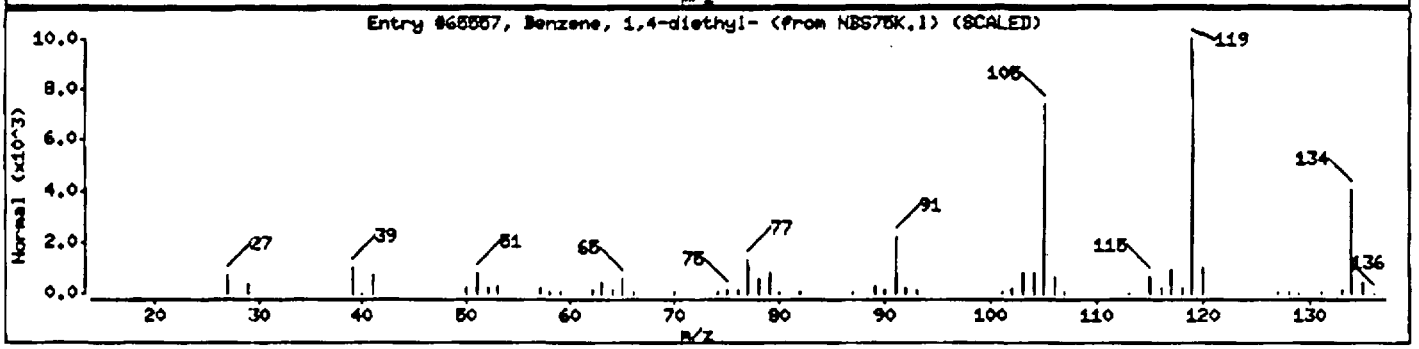
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	94	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65564	93	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65567	90	C10H14	134









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Date : 08-NOV-2002 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

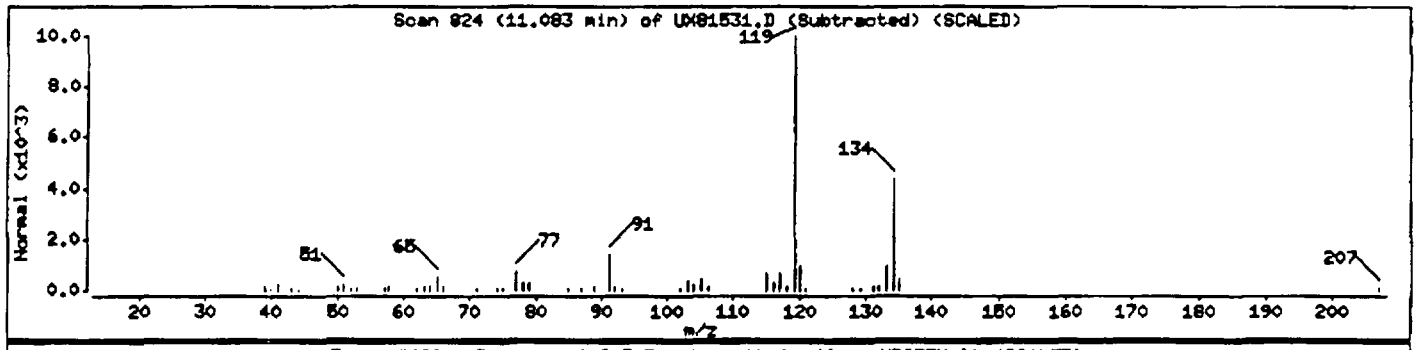
Sample Info: DPDH91AC,,2,20UL/5ML

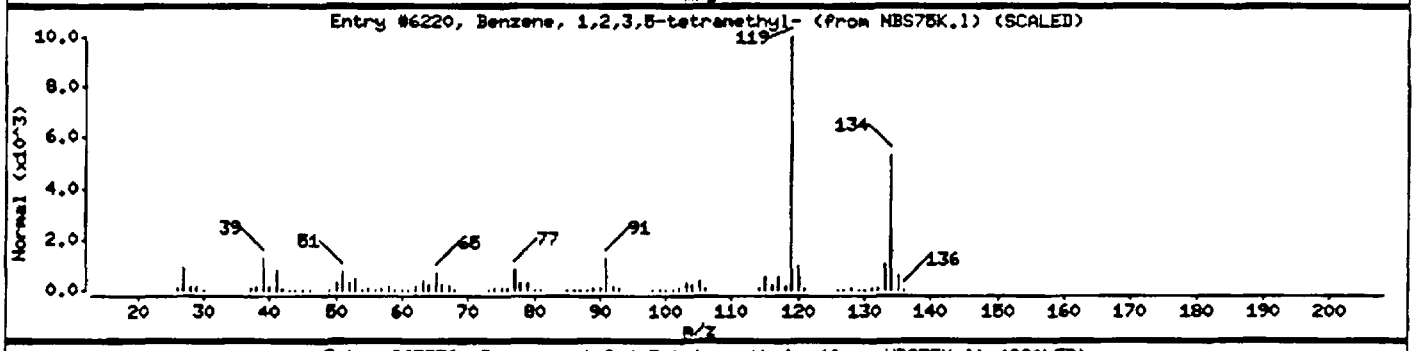
Operator: 2807

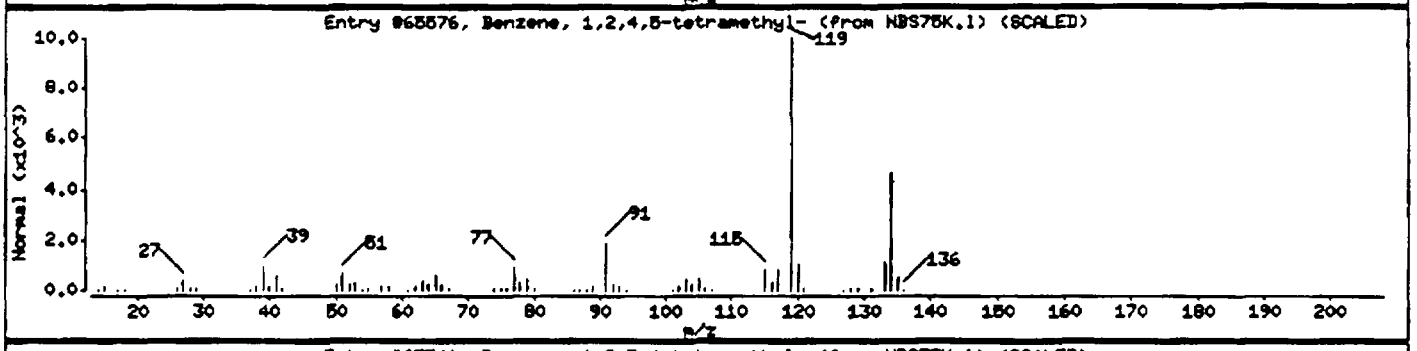
Column phase: DB624 20m

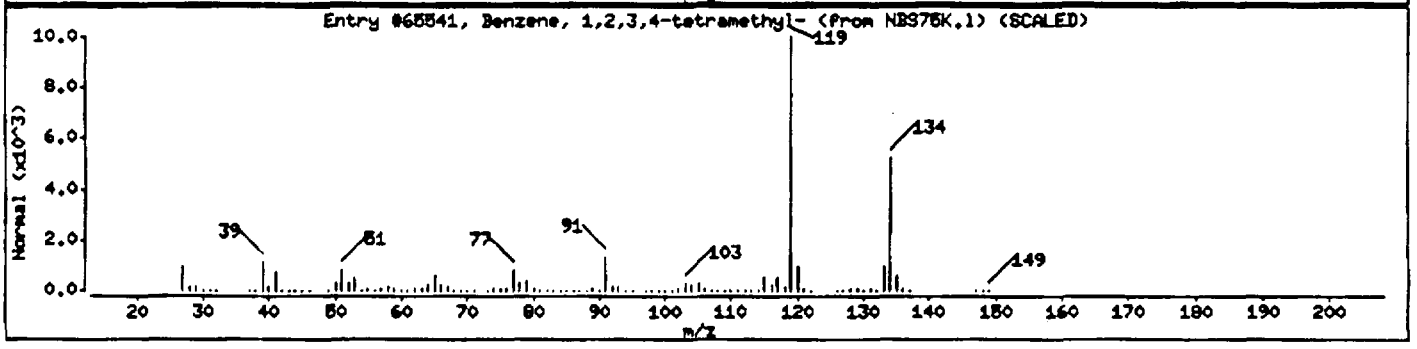
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.l	6220	97	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	96	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	65541	95	C10H14	134









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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

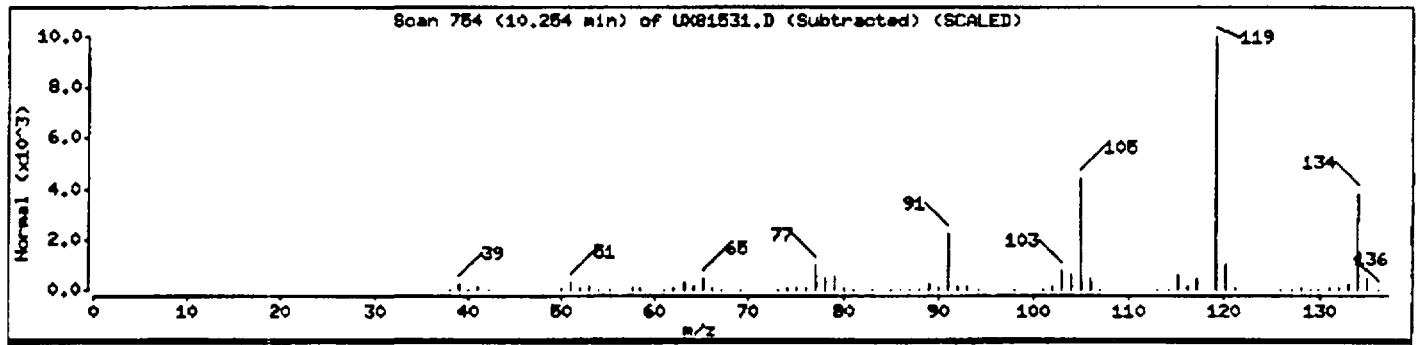
Sample Info: DPDH91AC,,2,20UL/5ML

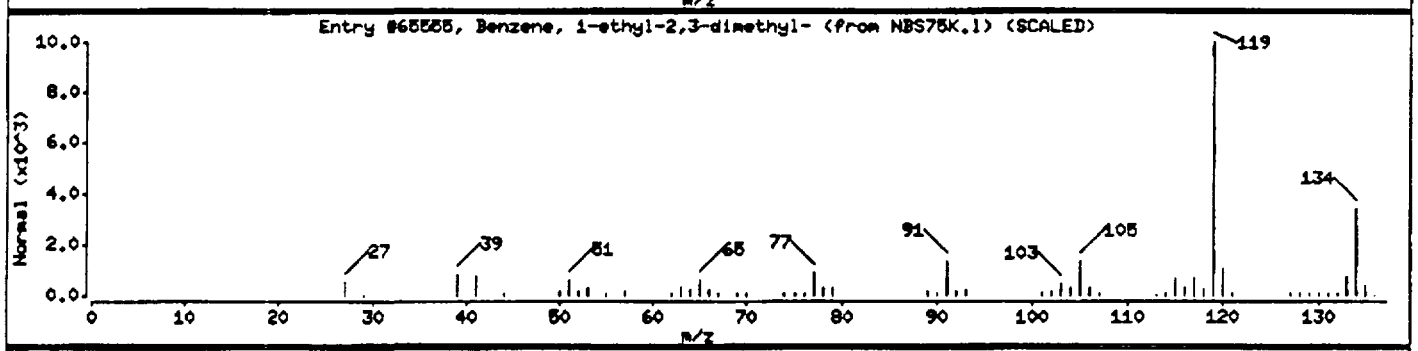
Operator: 2807

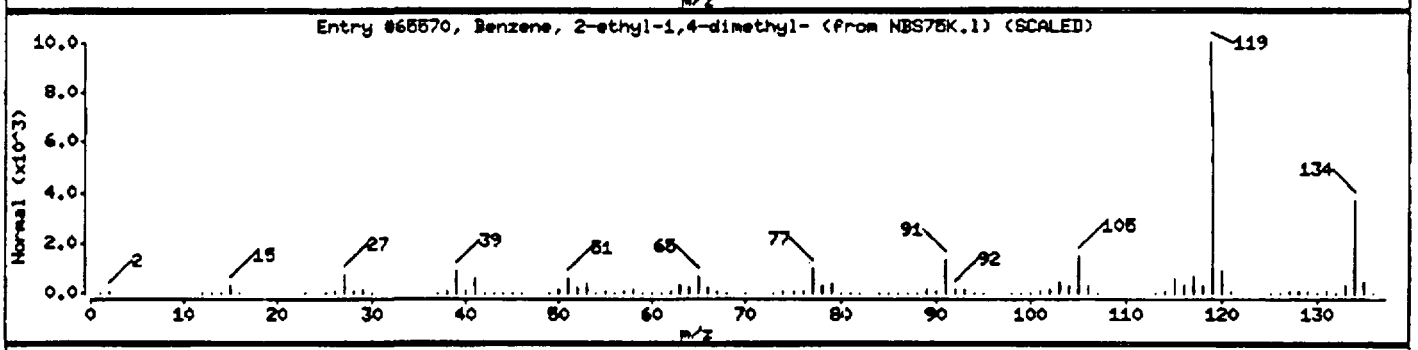
Column phase: DB624 20m

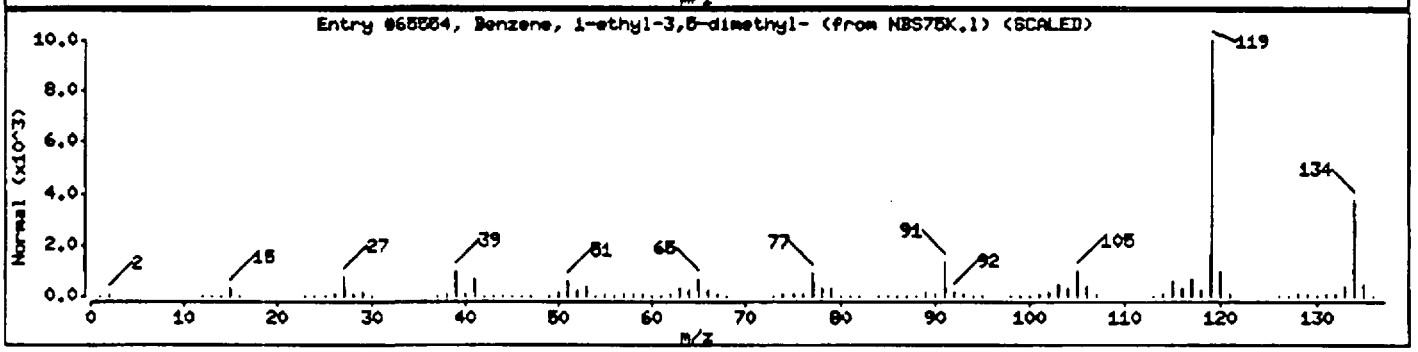
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	65555	91	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	65570	91	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.l	65554	91	C10H14	134









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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

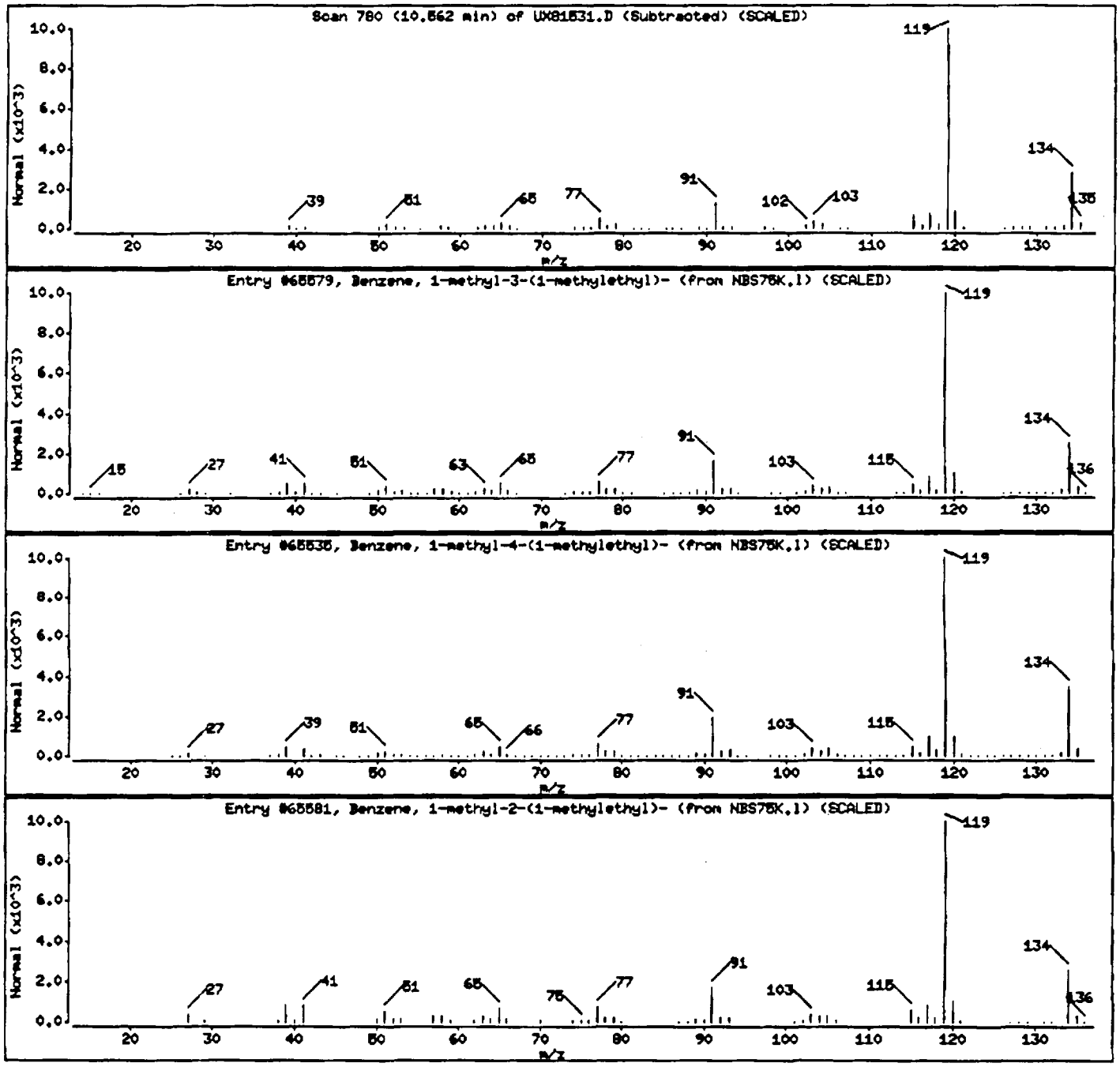
Sample Info: DPDH91AC,,2,20UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	96	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	94	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	94	C10H14	134



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

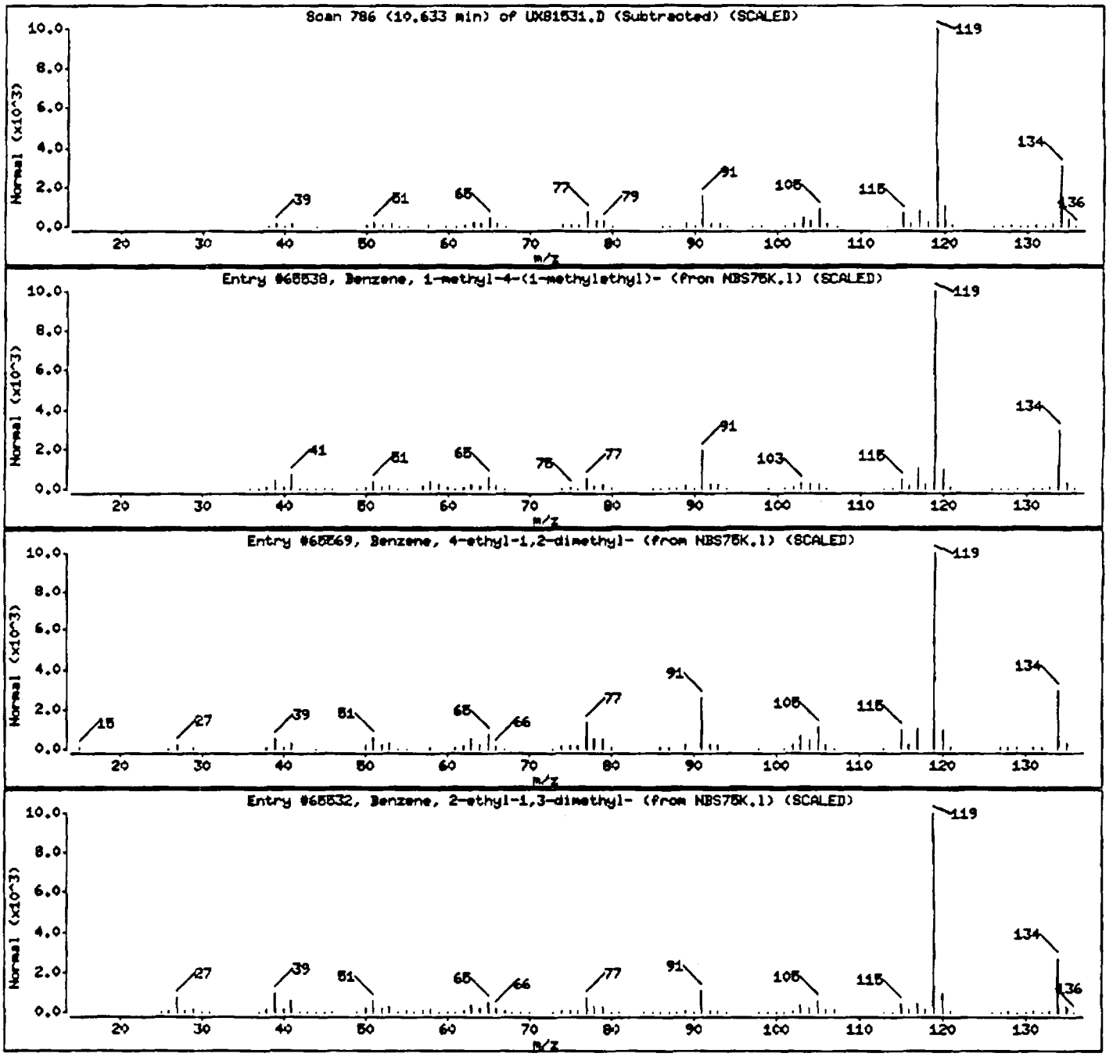
Sample Info: DPDH91AC,,2,20UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65538	97	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NBS75K.l	65532	95	C10H14	134



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

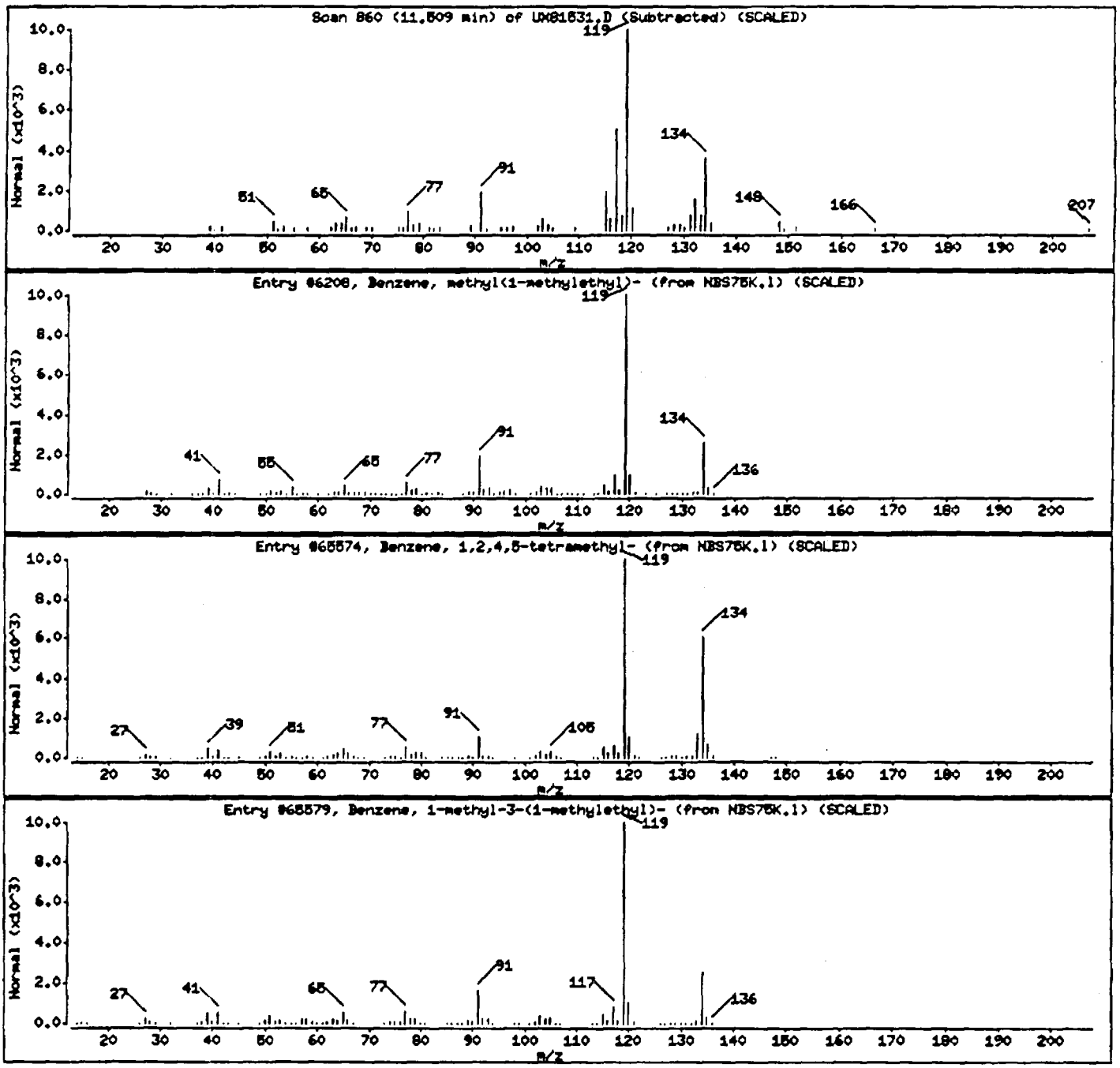
Sample Info: DPDH91AC,,2,20UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, methyl(1-methylethyl)-	25155-15-1	NBS75K.l	6208	64	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65574	58	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	58	C10H14	134



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

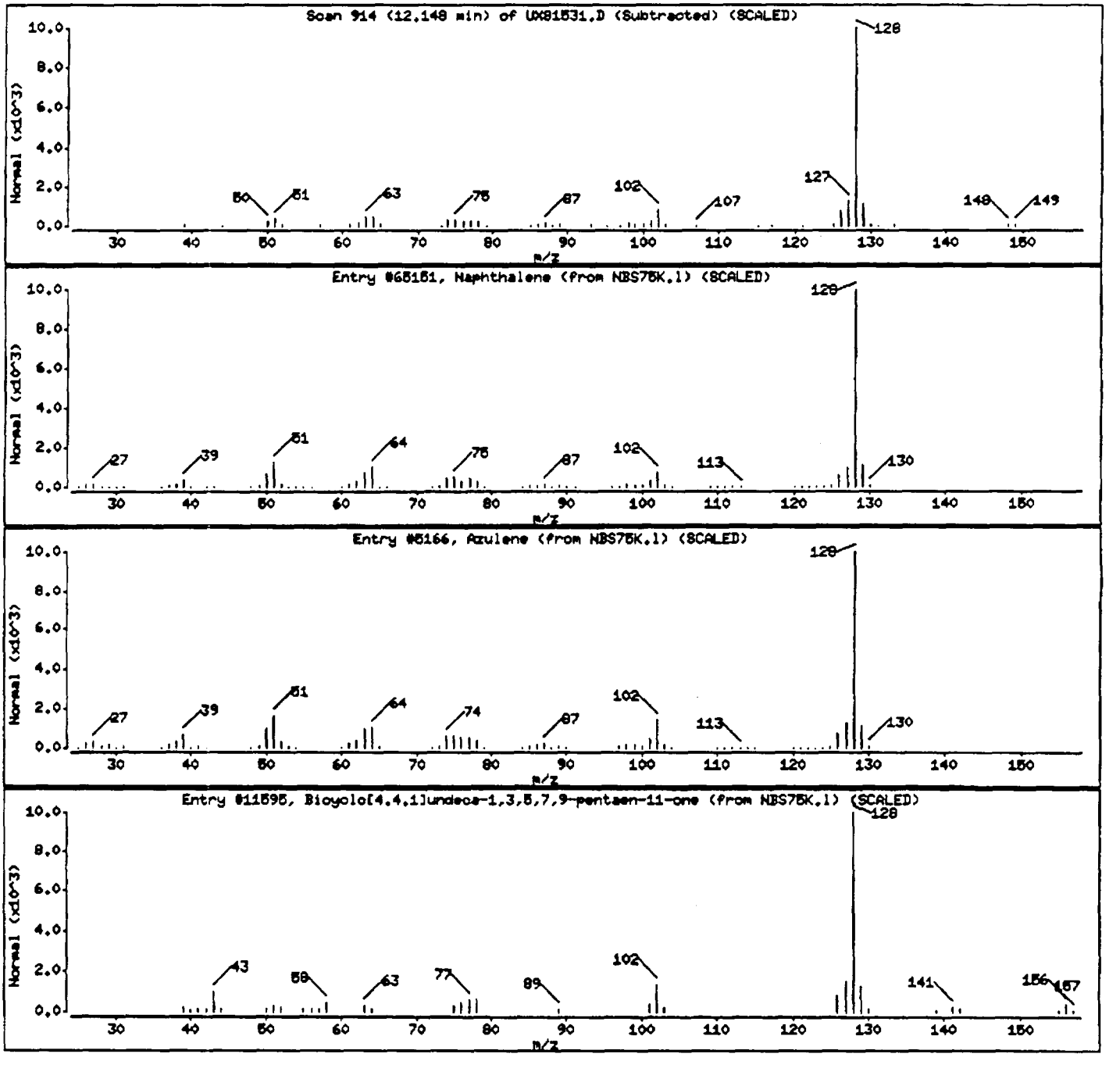
Sample Info: DPDW91AC,,2,20UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene	91-20-3	NBS75K.l	65151	91	C10H8	128
Azulene	275-51-4	NBS75K.l	5166	91	C10H8	128
Bicyclo[4.4.1]undeca-1,3,5,7,9-pentaen-1	36628-80-5	NBS75K.l	11595	78	C11H8O	156



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

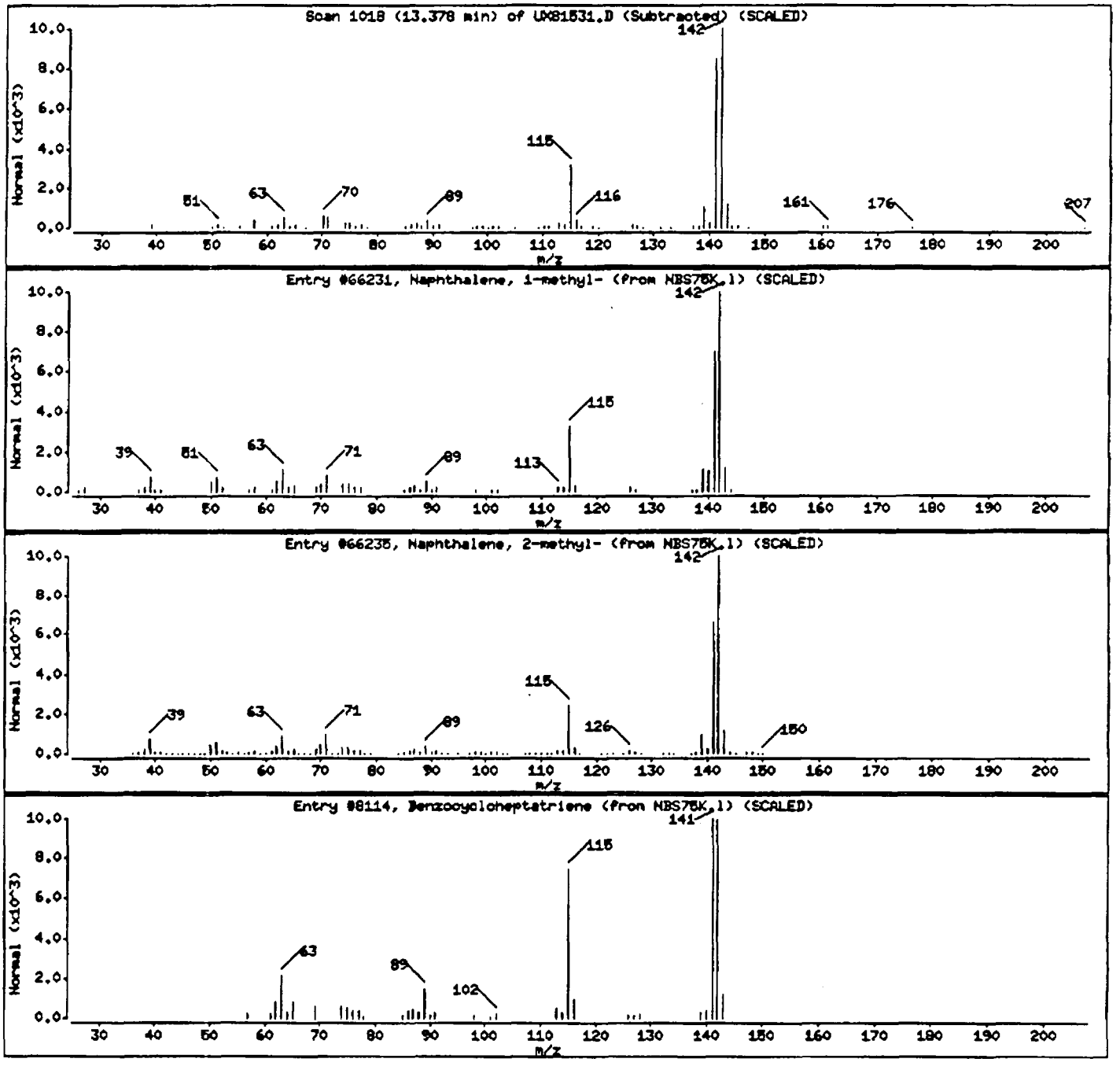
Sample Info: DPDH91AC,,2,20UL/5HL

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66231	91	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66235	94	C11H10	142
Benzocycloheptatriene	264-09-5	NBS75K.l	8114	91	C11H10	142



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Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

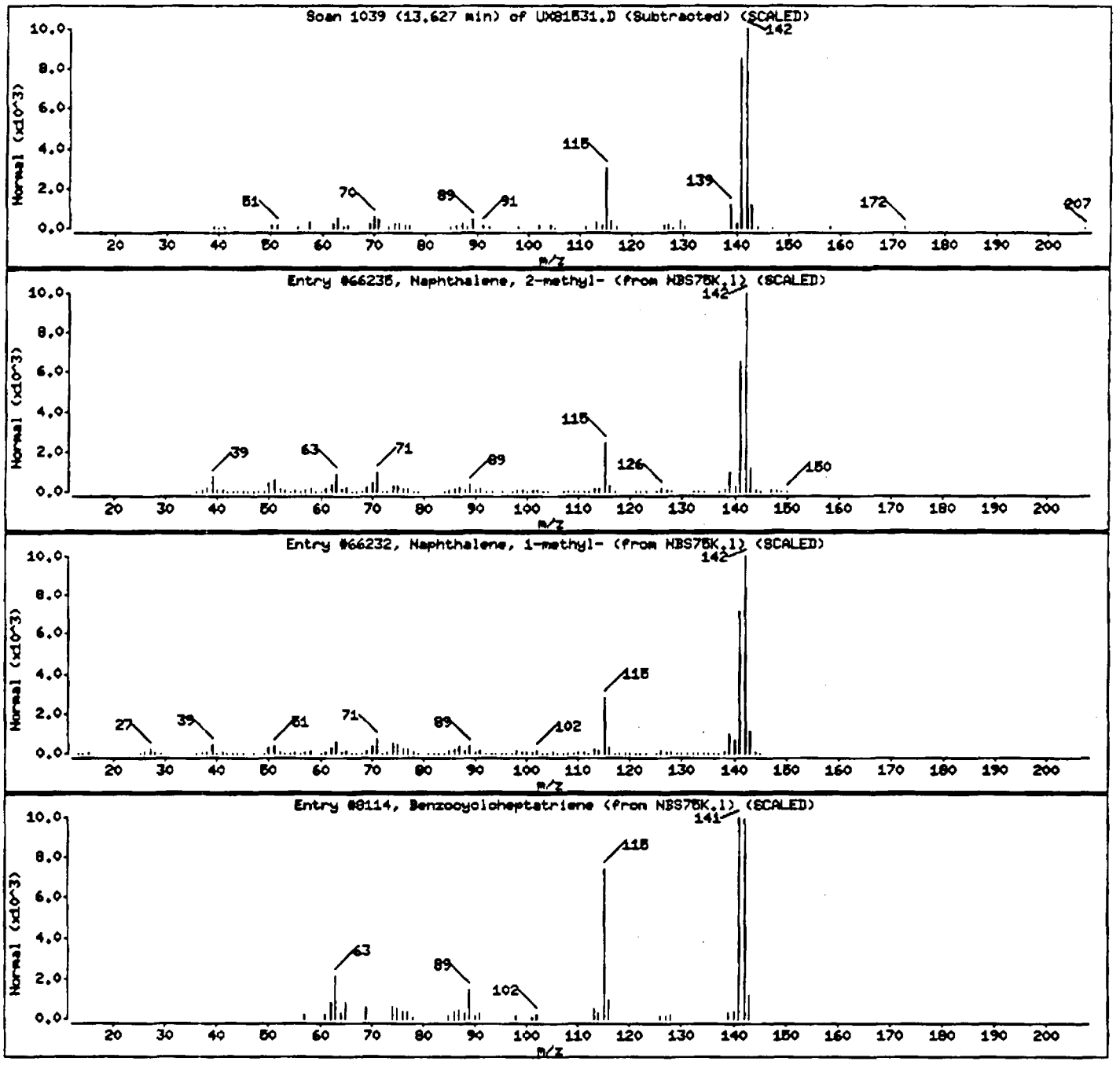
Sample Info: DPDH914C,,2,20UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66235	94	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66232	91	C11H10	142
Benzocycloheptatriene	264-09-5	NBS75K.l	8114	91	C11H10	142



Data File: \\qcanch04\dd\chem\!SV\a3ux8a.i\M01108A.b\UX81531.D

Date : 08-NOV-2000 21:30

Client ID: SL-81-3.5'

Instrument: a3ux8a.i

Sample Info: DPDH91AC,,2,20UL/5ML

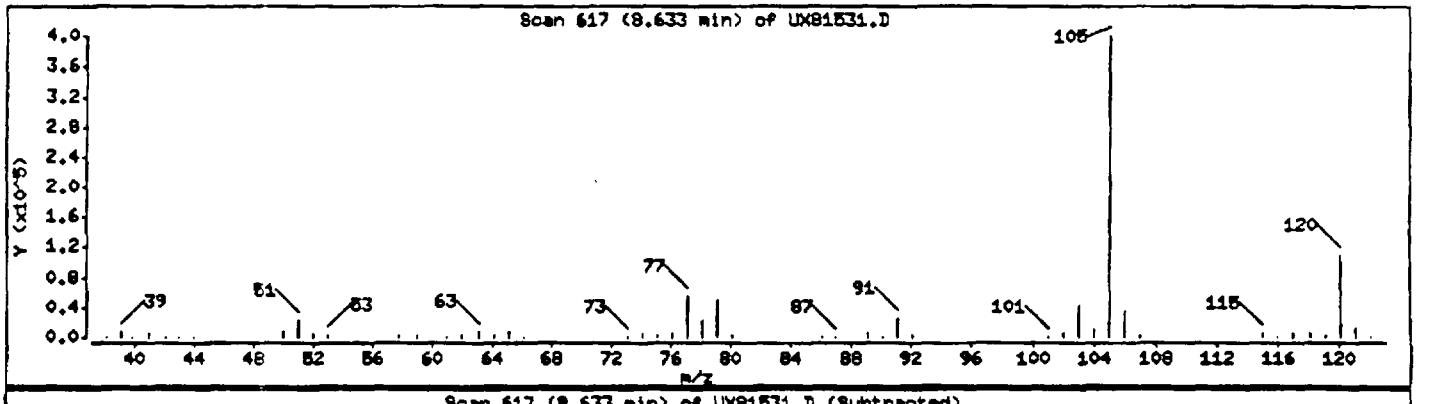
Operator: 2807

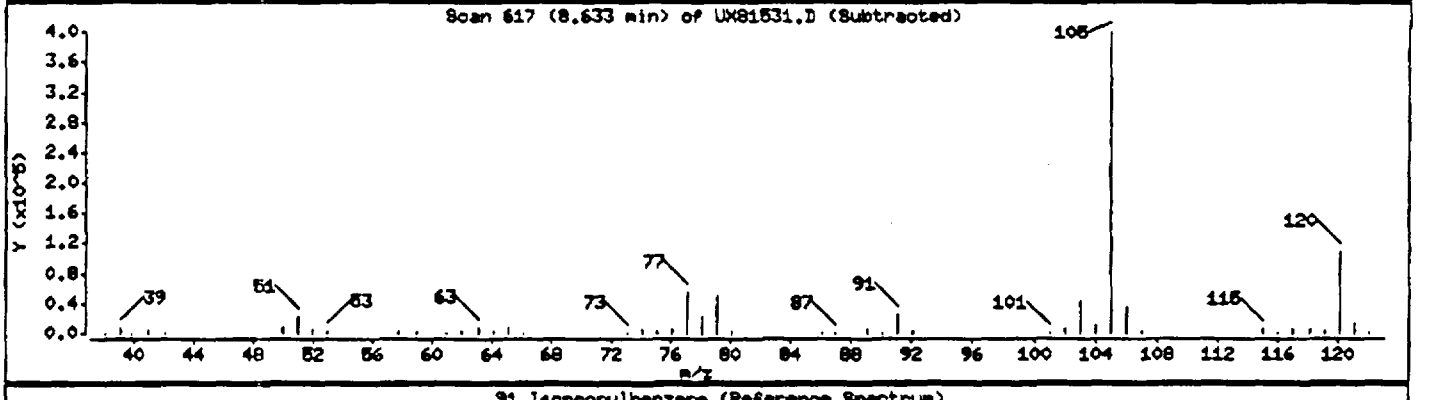
Column phase: DB624 20m

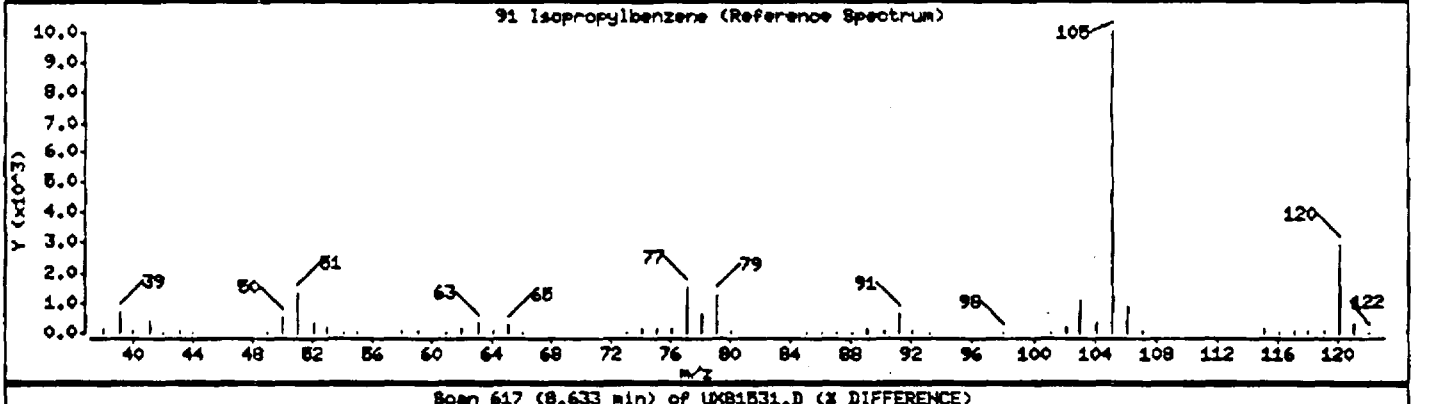
Column diameter: 0.18

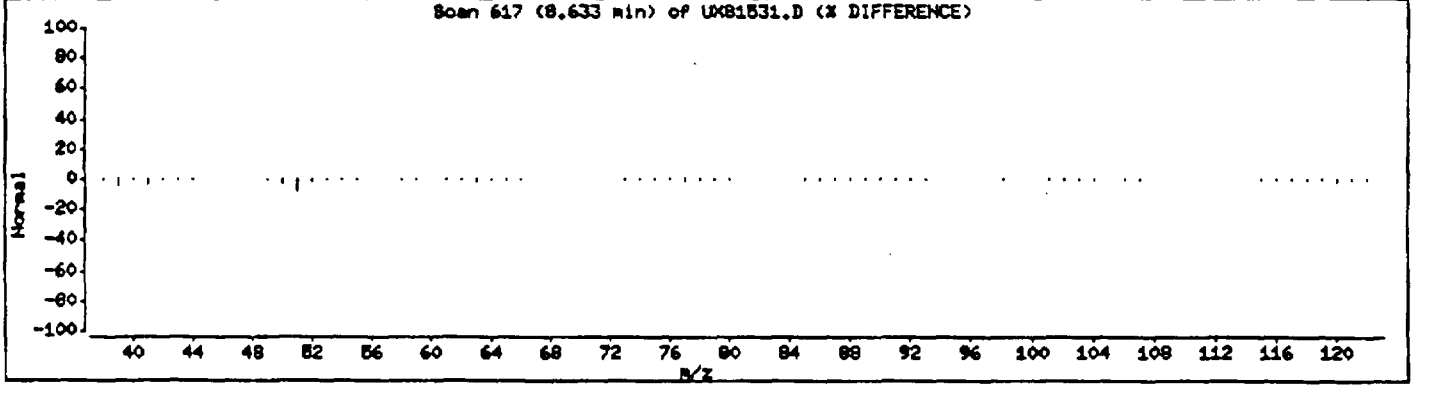
91 Isopropylbenzene

Concentration: 8616.0 UG/KG









RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) WQ Lab Sample ID:A0K040153 003
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 11/04/00
Work Order: DPDJA1AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00
Moisture %:

QC Batch: 0313543

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	1.4	J
67-64-1	Acetone	5.5	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:0K04153

Matrix: (soil/water) WQ Lab Sample ID:A0K040153 003
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 11/04/00
Work Order: DPDJA1AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00
Moisture %:

QC Batch: 0313543

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:0K04153

Matrix: (soil/water) WQ Lab Sample ID:A0K040153 003
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 11/04/00
Work Order: DPDJA1AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00
Moisture %:

QC Batch: 0313543

Client Sample Id: HLDBLK

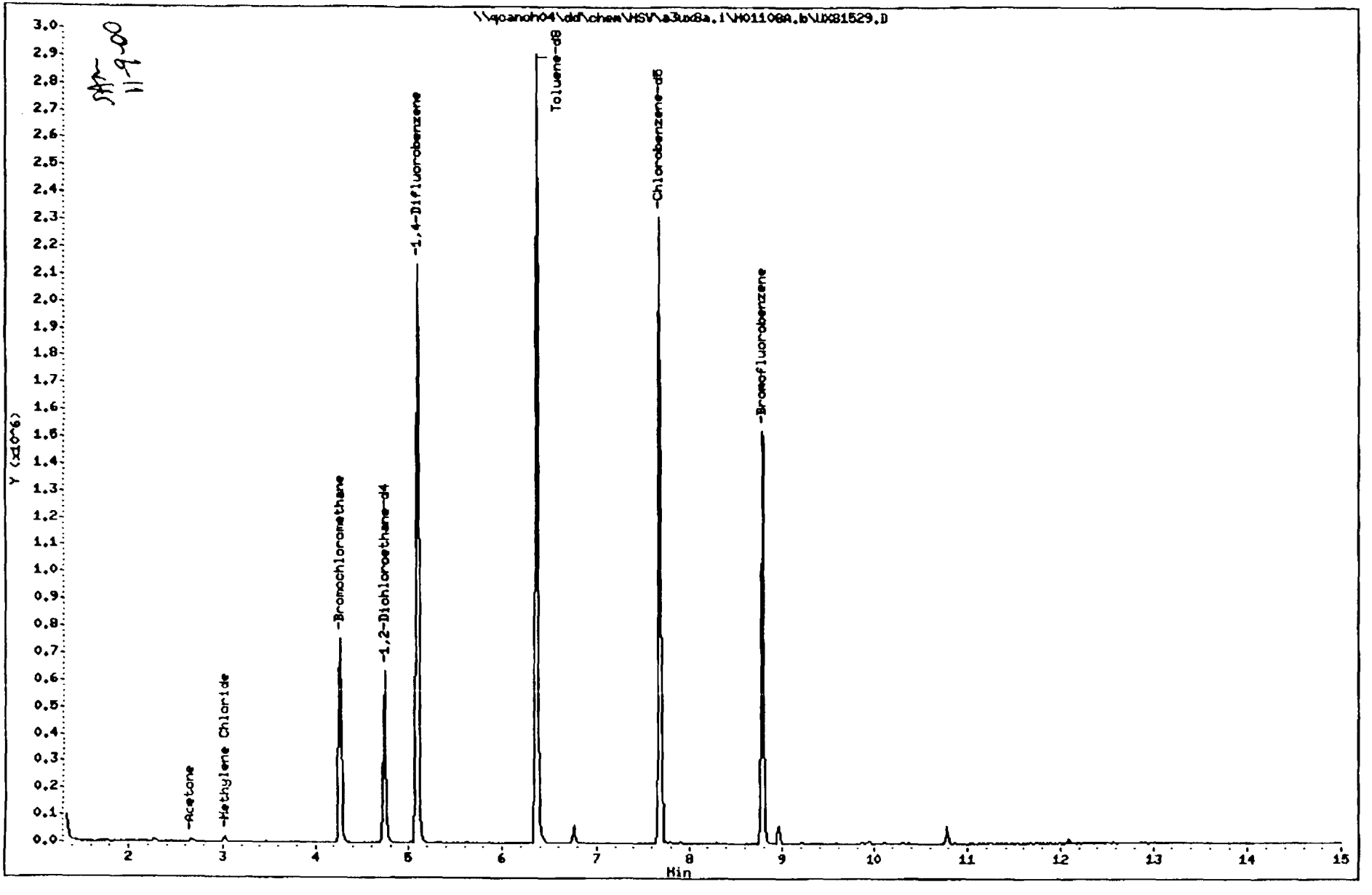
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: \\qoanoh04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81529.D
Date : 08-NOV-2000 20:44
Client ID: MLDBLK
Sample Info: DPDJA1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



STL North Canton

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81529.D
Lab Smp Id: DPDJA1AA Client Smp ID: HLDBLK
Inj Date : 08-NOV-2000 20:44
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPDJA1AA,5ML/5ML
Misc Info : M01108A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Bromochloromethane	128	4.266	4.269	(1.000)	297599	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.097	(1.000)	2105042	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.689	(1.000)	1706436	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.730	(1.111)	463878	262.784	52.557
$ 5 Toluene-d8	98	6.372	6.375	(0.829)	2279862	249.556	49.911
$ 6 Bromofluorobenzene	95	8.786	8.789	(1.143)	690780	240.180	48.036
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	3.024	3.026	(0.709)	15757	7.01332	1.403
14 Acetone	43	2.657	2.660	(0.623)	9985	27.4707	5.494
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.					
23 cis-1,2-dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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.					
90 Cyclohexane	56	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.					
91 Isopropylbenzene	105	Compound Not Detected.					
69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\epcanoh04\dd\chem\HSV\a3ux8a.i\M01108A.b\UX81529.D

Date : 08-NOV-2009 20:44

Client ID: HLDBLK

Instrument: a3ux8a.i

Sample Info: DPDJA1AA,5HL/5HL

Purge Volume: 5.0

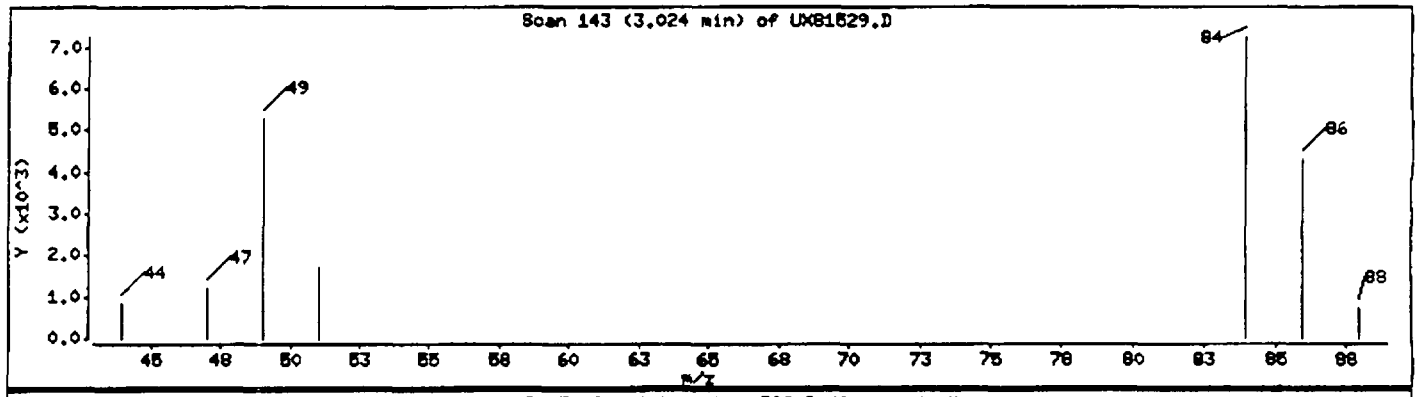
Operator: 2807

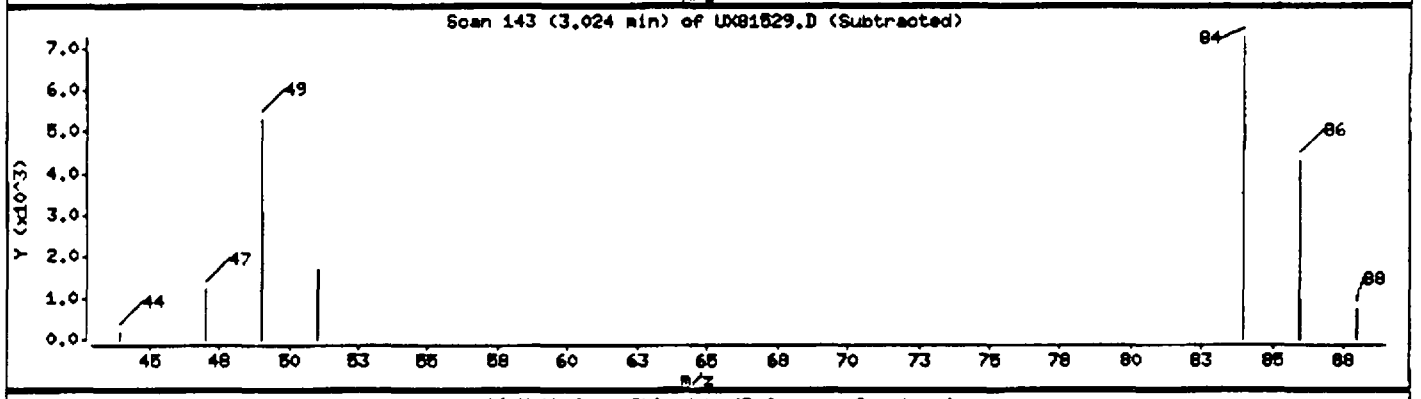
Column phase: DB624 20m

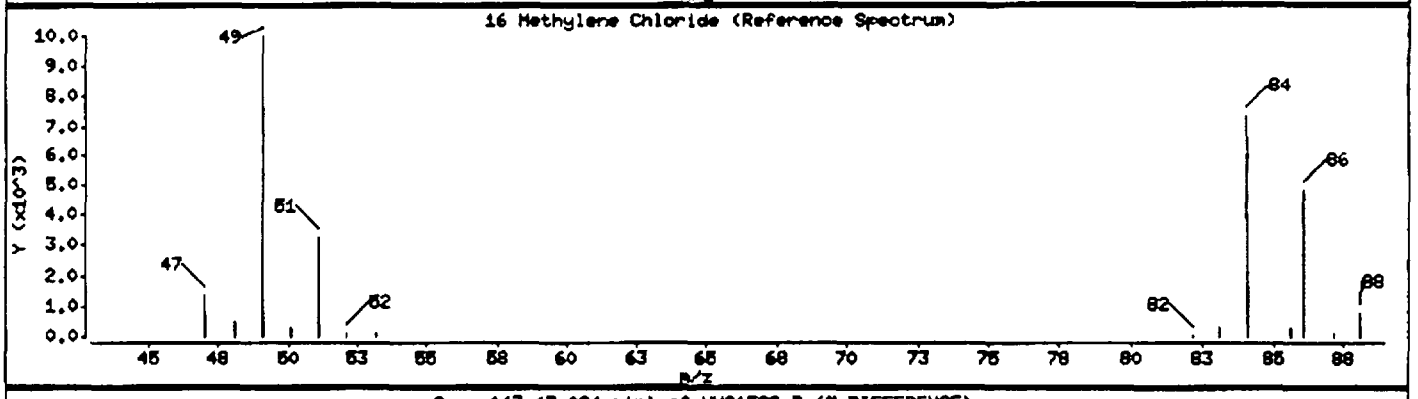
Column diameter: 0.18

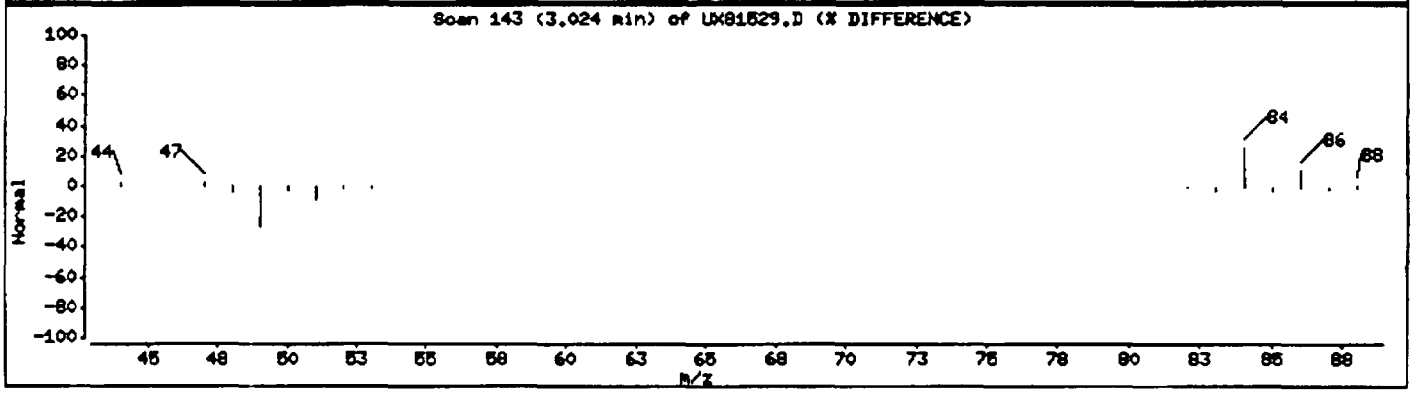
16 Methylene Chloride

Concentration: 1.403 ug/L









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Date : 08-NOV-2000 20:44

Client ID: HLDBLK

Instrument: a3ux8a.i

Sample Info: DPDJA1AA,5ML/5ML

Purge Volume: 5.0

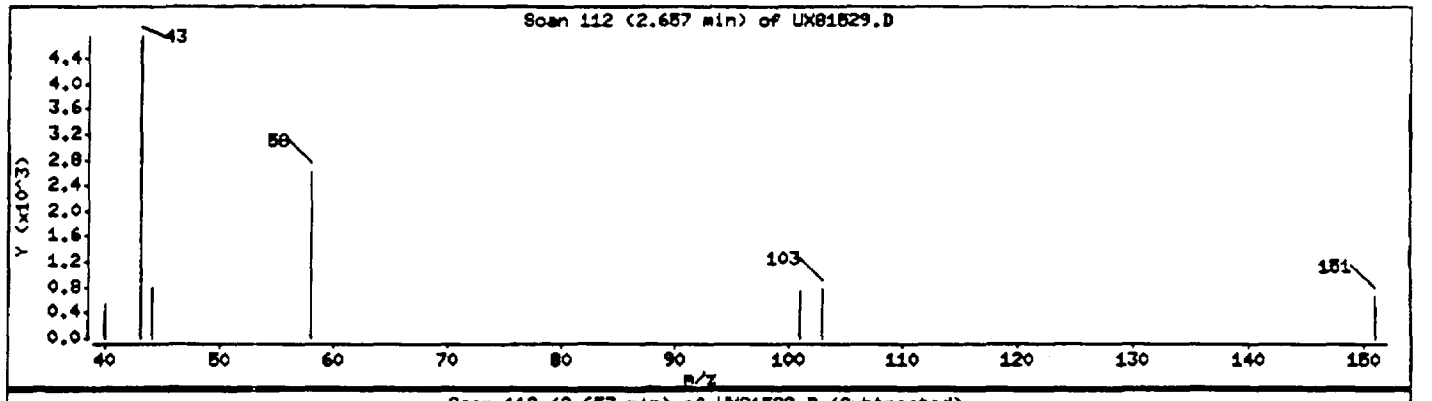
Operator: 2807

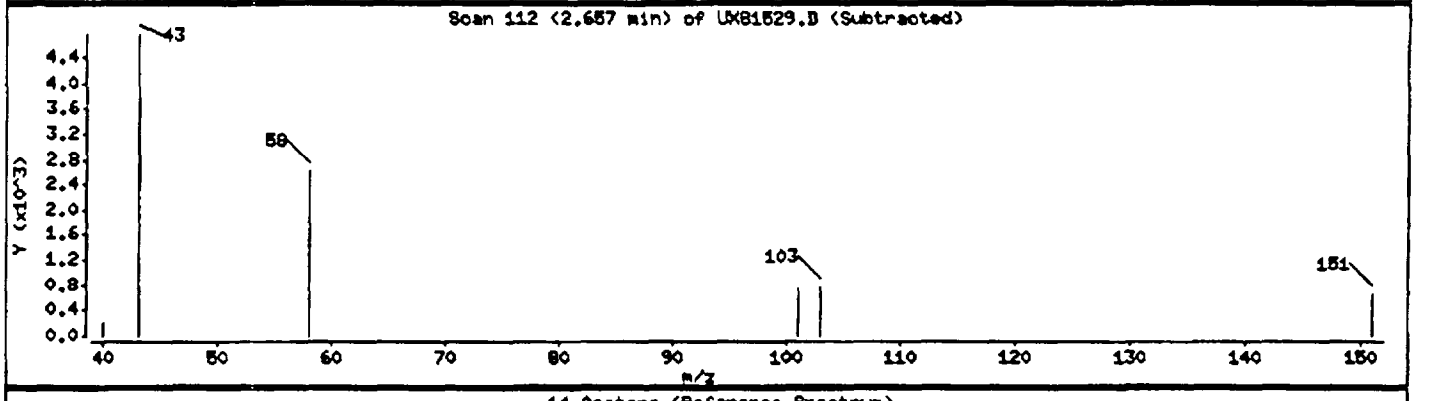
Column phase: DB624 20m

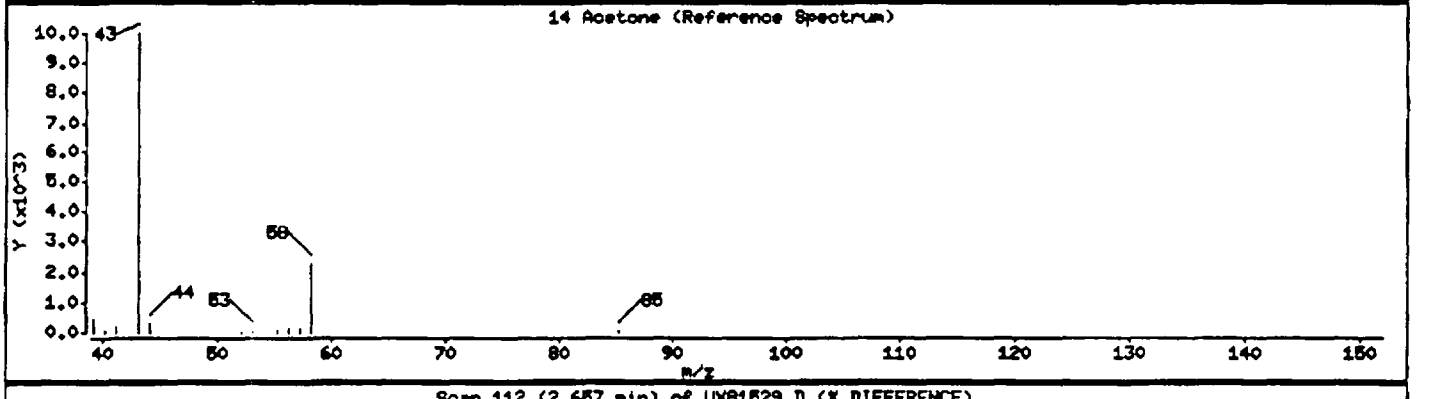
Column diameter: 0.18

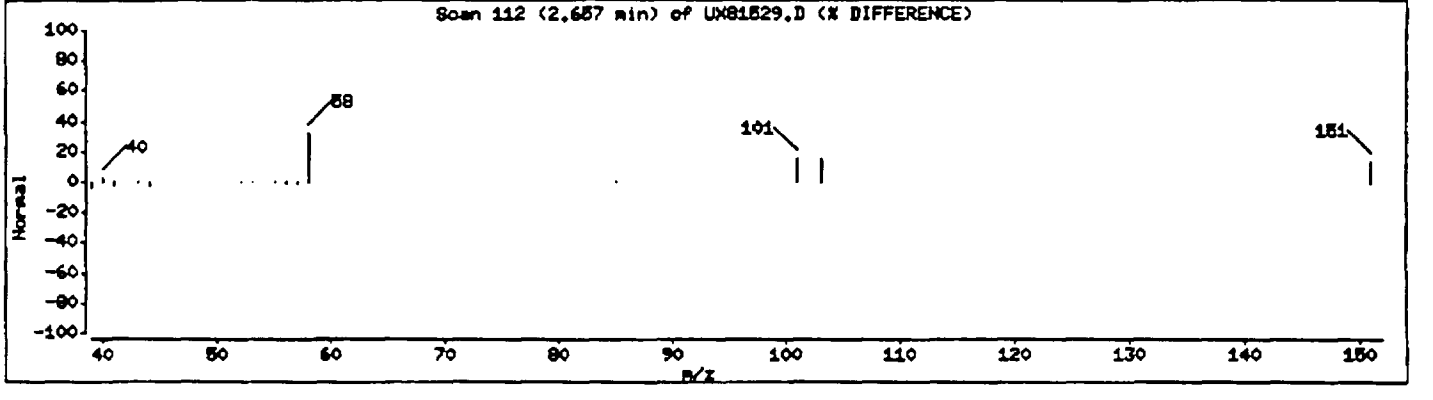
14 Acetone

Concentration: 5.494 ug/L









RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 11/08/00
Work Order: DPJFJ1AE Date Extracted:11/16/00
Dilution factor: 1 Date Analyzed: 11/16/00
Moisture %:21

QC Batch: 0322207

Client Sample Id: SL-82-9.0'

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	13	U
67-64-1	Acetone	15	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	3.0	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:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 11/08/00
Work Order: DPJFJ1AE Date Extracted:11/16/00
Dilution factor: 1 Date Analyzed: 11/16/00
Moisture %:21

QC Batch: 0322207

Client Sample Id: SL-82-9.0'

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	7.2	J
100-42-5	Styrene	13	U
1330-20-7	Xylenes (total)	29	

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 11/08/00
Work Order: DPJFJ1AE Date Extracted:11/16/00
Dilution factor: 1 Date Analyzed: 11/16/00
Moisture %:21

QC Batch: 0322207

Client Sample Id: SL-82-9.0'

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
103-65-1	Benzene, propyl-	16.825	20	NJ
620-14-4	Benzene, 1-ethyl-3-methyl-	17.04	58	NJ
526-73-8	Benzene, 1,2,3-trimethyl-	17.24	34	NJ
611-14-3	Benzene, 1-ethyl-2-methyl-	17.684	22	NJ
95-36-3	1,2,4-Trimethylbenzene	18.084	66	NJ
1074-43-7	Benzene, 1-methyl-3-propyl-	18.47	9.3	NJ
526-73-8	Benzene, 1,2,3-trimethyl-	19.057	22	NJ
135-01-3	Benzene, 1,2-diethyl-	19.558	63	NJ

FORM I - TIC

Data File: /chem/can/msv/a3i503.i/X01116A.b/VOX5507.d

Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

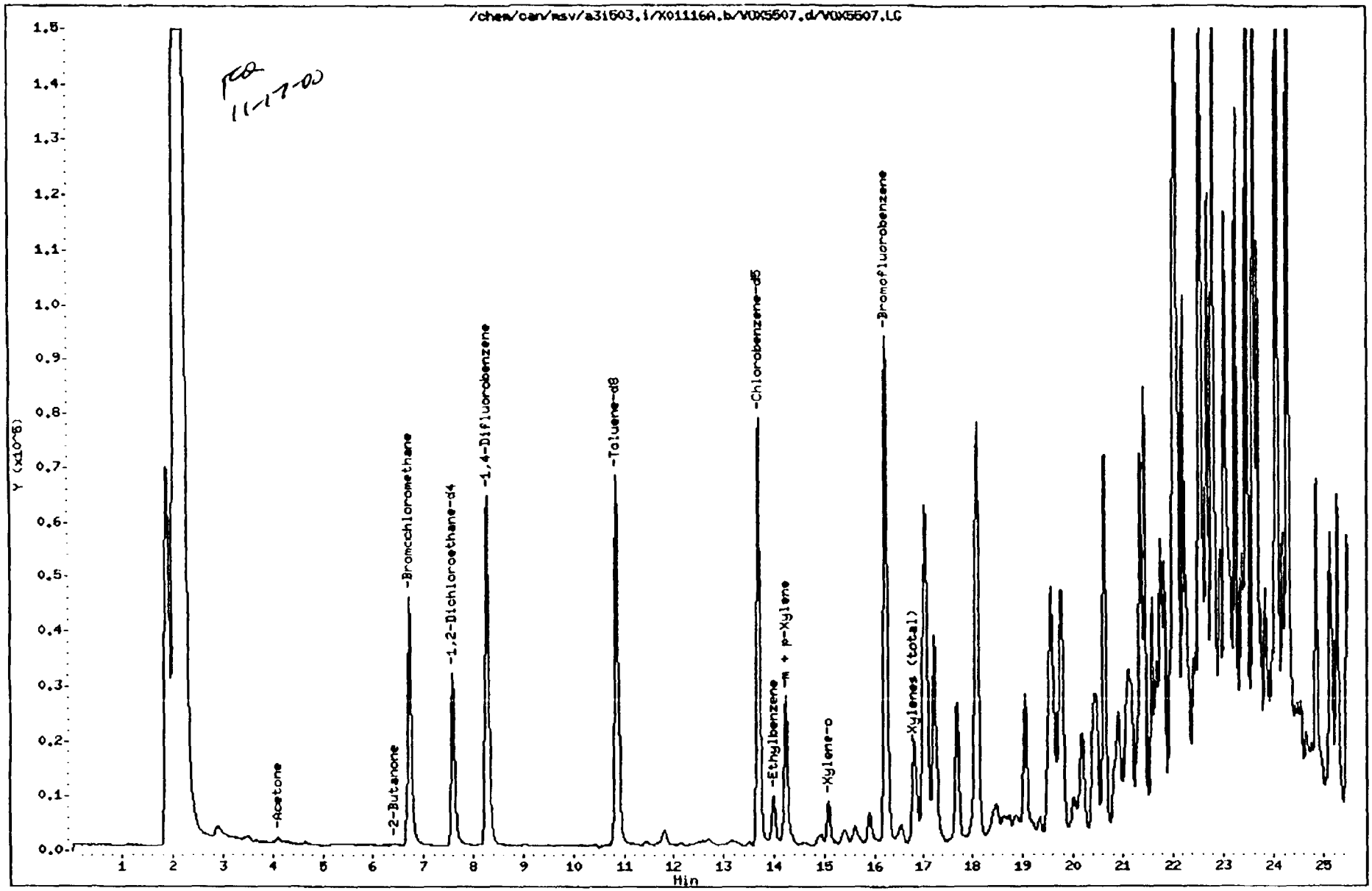
Sample Info: DPJFJ1AE,,5G/5HL

Column phase: RTX502.2

Instrument: a3i503.i

Operator: 1904

Column diameter: 0.53



FCQ 11-17-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5507.d
Lab Smp Id: DPJFJ1AE Client Smp ID: SL-82-9.0'
Inj Date : 16-NOV-2000 14:25
Operator : 1904 Inst ID: a3i503.i
Smp Info : DPJFJ1AE,,5G/5ML
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:40 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.725	6.725	(1.000)	25080	250.000	
* 2 1,4-Difluorobenzene	114	8.284	8.284	(1.000)	109850	250.000	
* 3 Chlorobenzene-d5	117	13.692	13.692	(1.000)	94375	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.597	7.597	(1.130)	62809	259.463	51.893
$ 5 Toluene-d8	98	10.859	10.859	(0.793)	102676	264.993	52.999
$ 6 Bromofluorobenzene	95	16.225	16.253	(1.185)	81707	247.212	49.442
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	Compound Not Detected.					
14 Acetone	43	4.106	4.106	(0.611)	3829	57.8430	11.568
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	6.424	6.410	(0.955)	943	11.9400	2.388(a)
	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	13.993	13.993	(1.022)	4330	28.4062	5.681(a)
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	14.236	14.250	(1.040)	17155	88.8745	17.775
	44 Xylene-o	106	15.080	15.094	(1.101)	4743	24.5206	4.904(a)
M	80 Xylenes (total)	106				21898	113.210	22.642

QC Flag Legend

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

Data File: /chem/can/msv/a31503.i/X011116A.b/VOX5507.d

Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

Sample Info: DPJFJ1AE,,5G/5HL

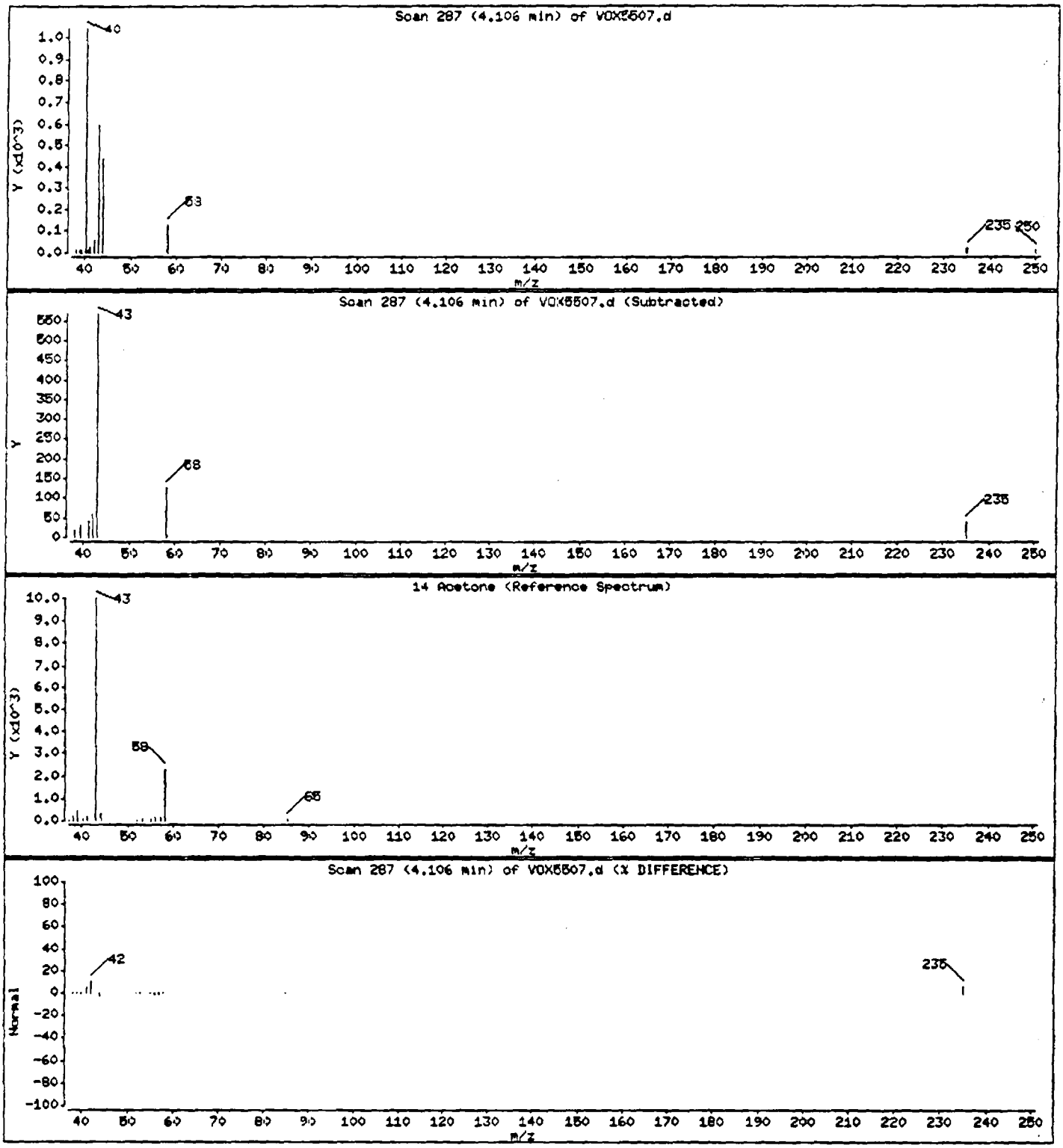
Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 11.568 UG/KG



Data File: /chem/can/msv/a31503.i/X01116A.b/VOX5507.d

Page 9

Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

Sample Info: DPJF31AE,,50/5ML

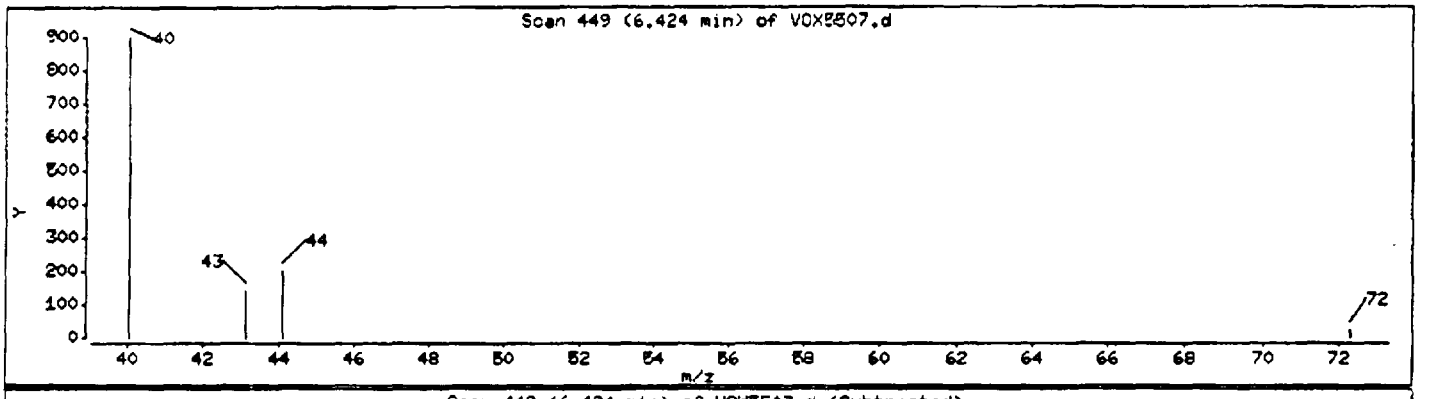
Operator: 1904

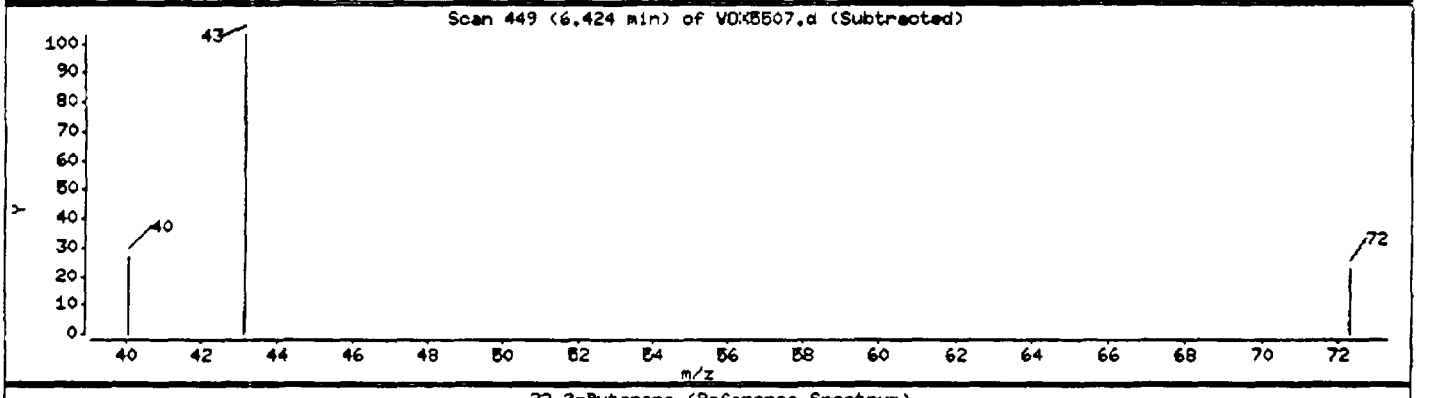
Column phase: RTX502.2

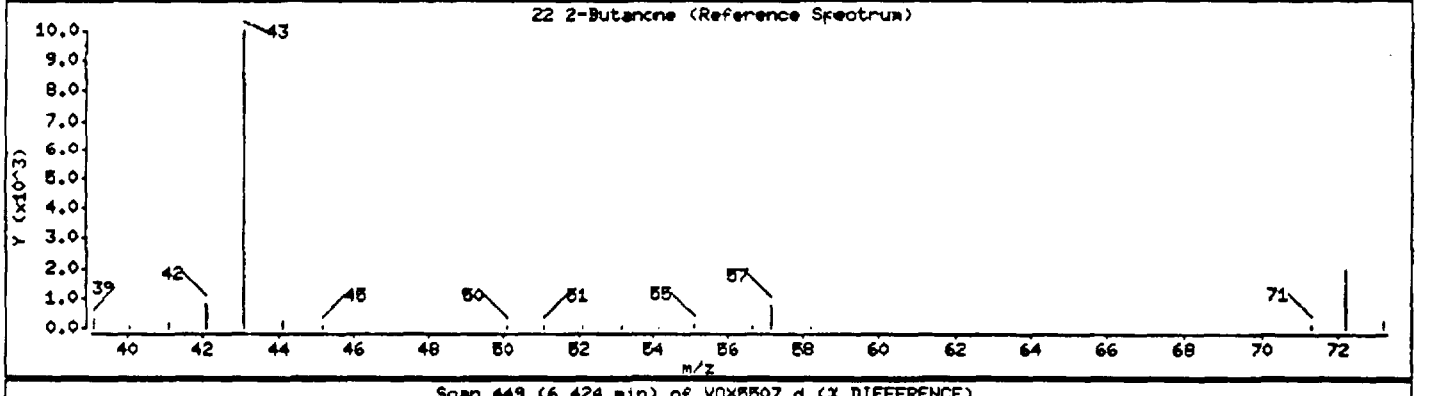
Column diameter: 0.53

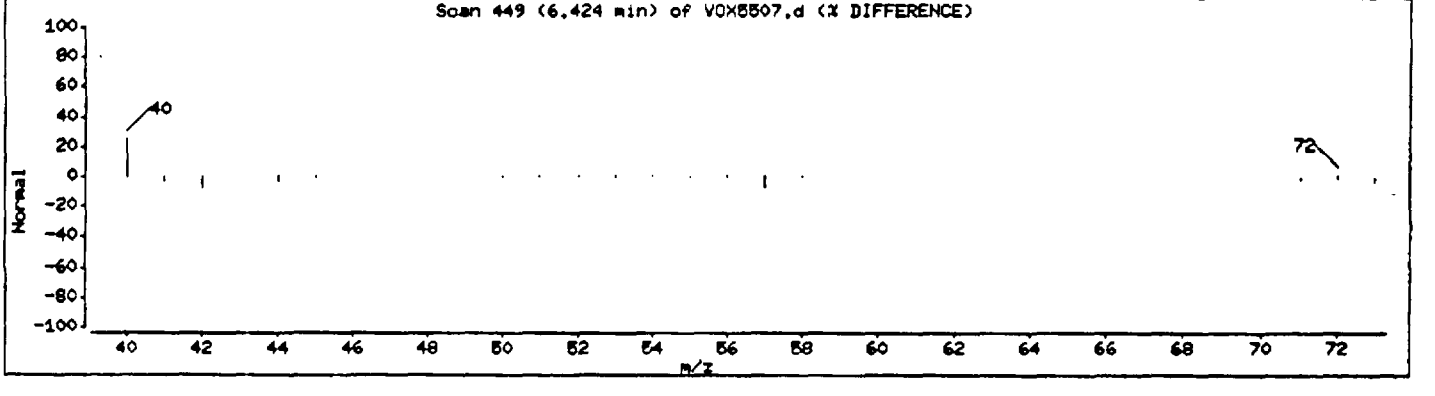
22 2-Butanone

Concentration: 2.388 UG/KG









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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

Sample Info: DPJFJ1AE,,5G/5HL

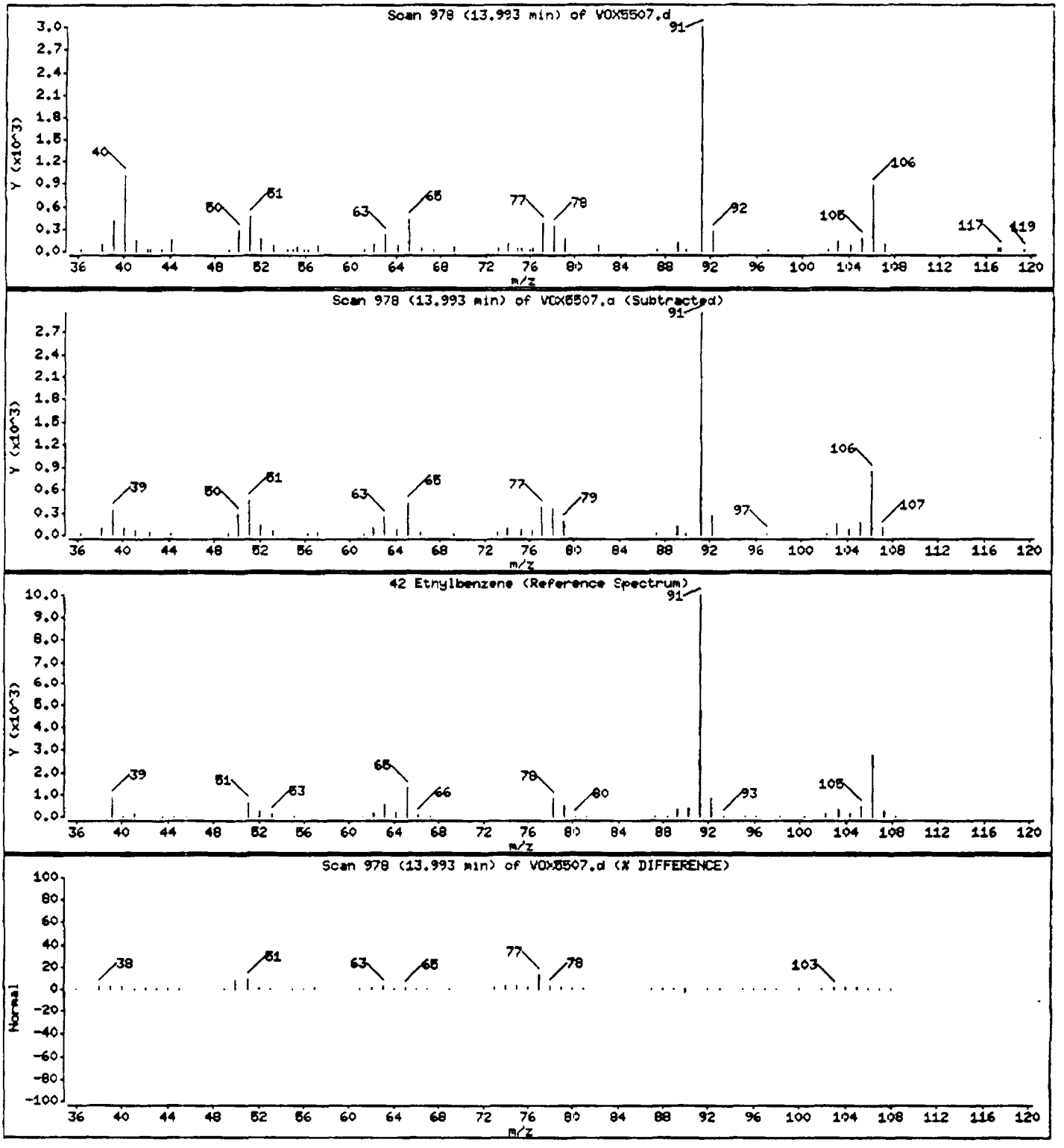
Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

42 Ethylbenzene

Concentration: 5.681 UG/KG



Data File: /chem/oan/msv/a3i503.i/X01116A.b/VOX5307.d

Page 11

Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a3i503.i

Sample Info: DPJFJ1AE,,50/5ML

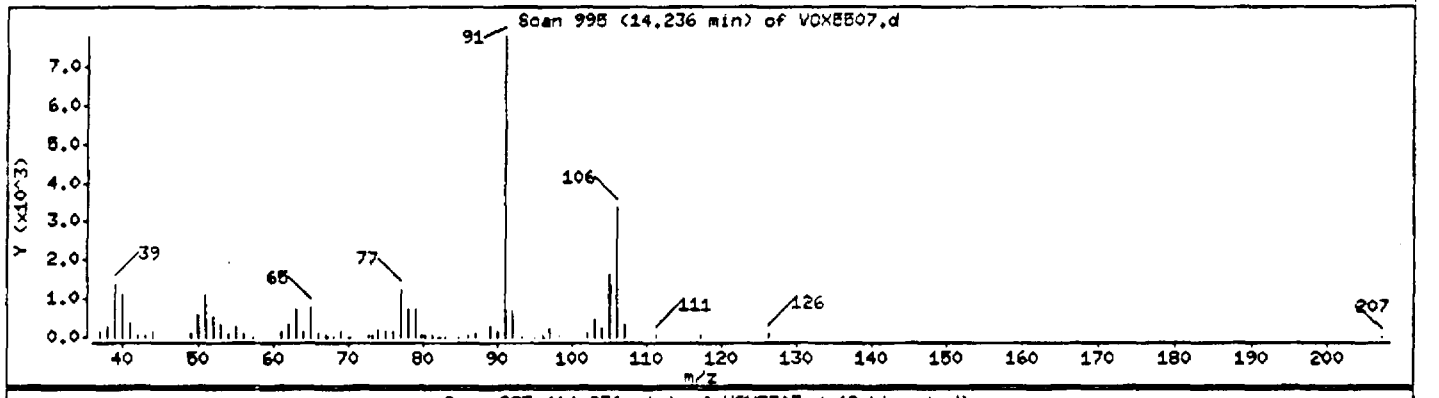
Operator: 1904

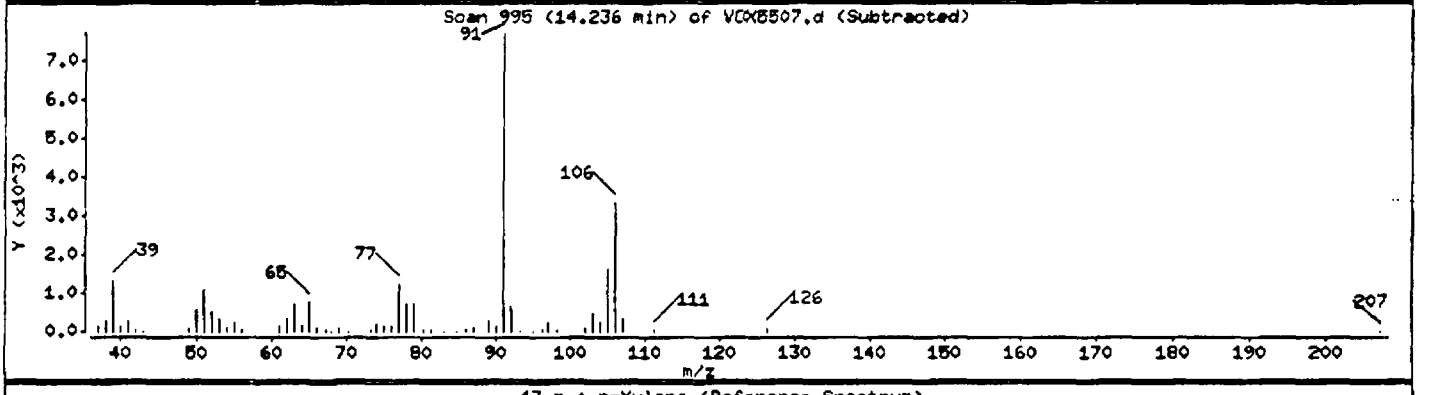
Column phase: RTX502.2

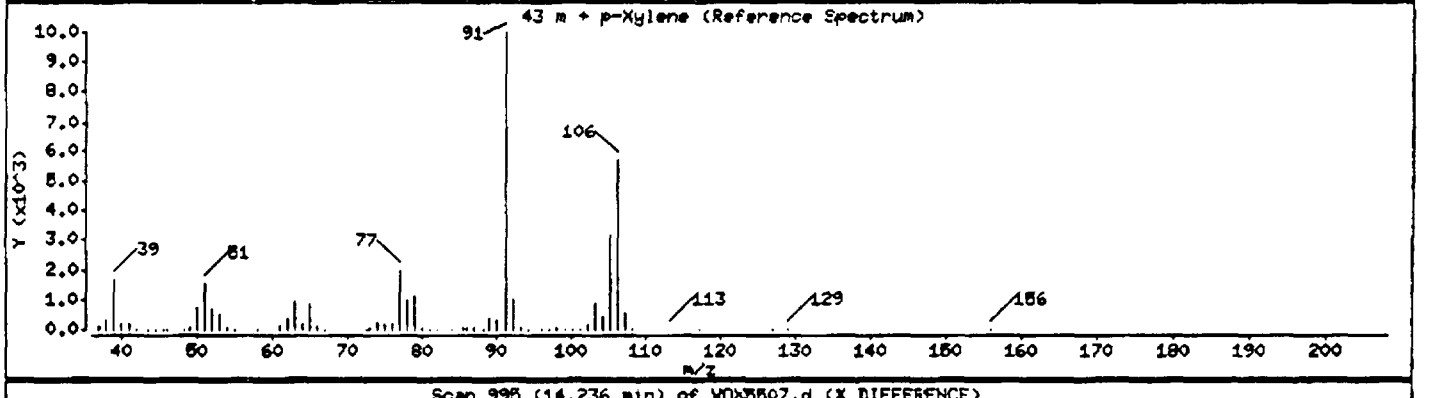
Column diameter: 0.53

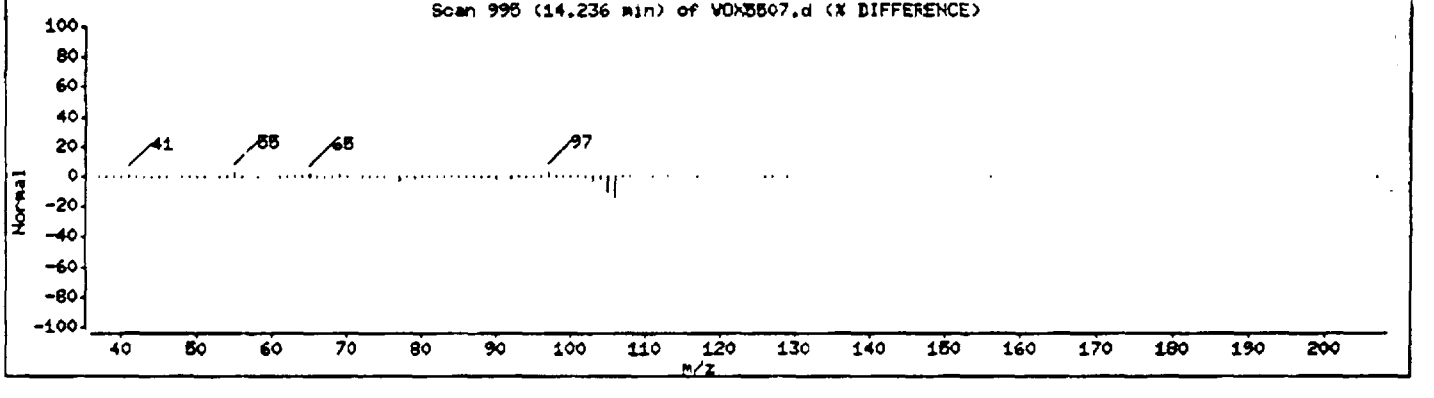
43 m + p-Xylene

Concentration: 17.775 UG/KG









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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

Sample Info: DPJFJ1AE,,5G/5ML

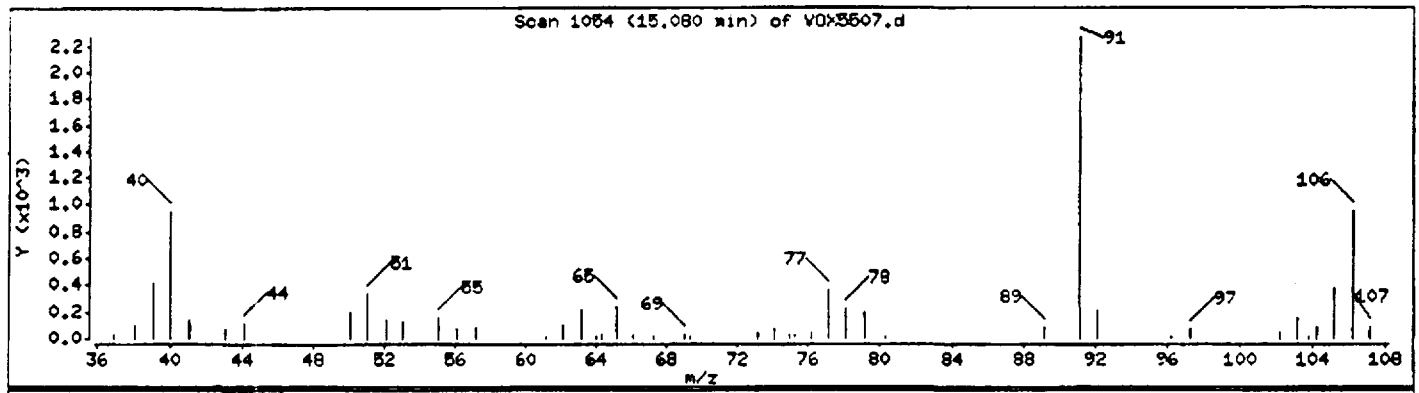
Operator: 1904

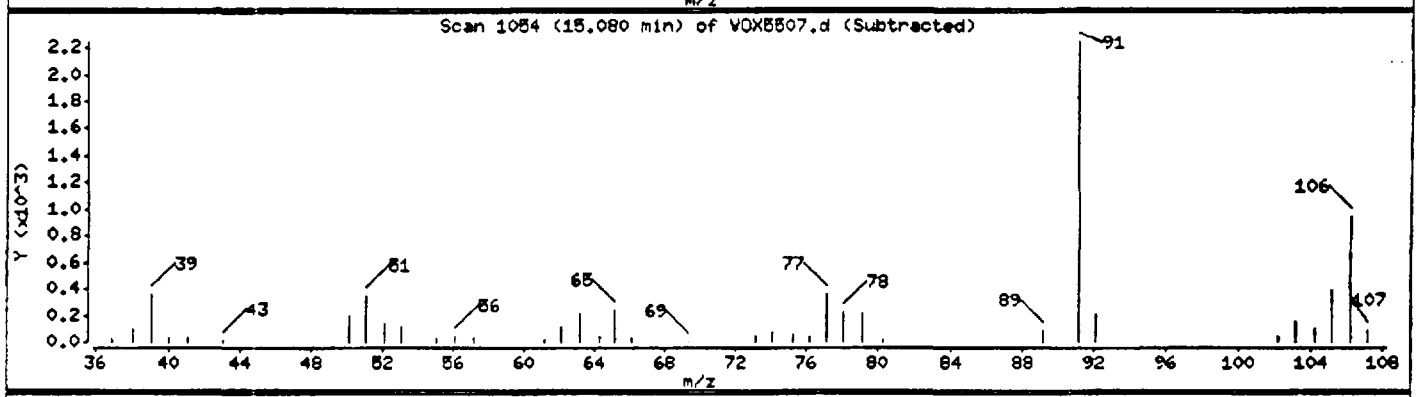
Column phase: RTX502.2

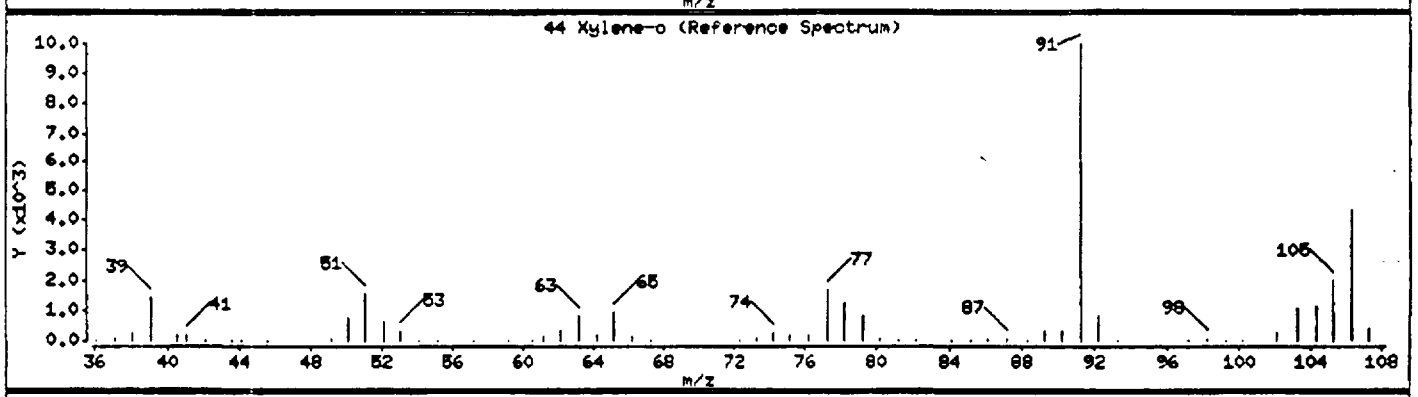
Column diameter: 0.53

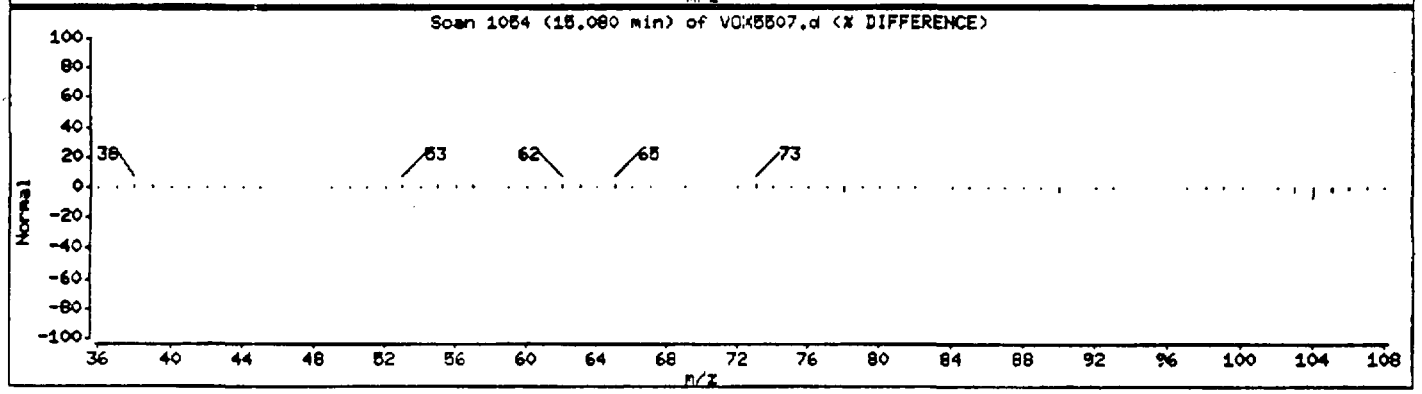
44 Xylene-o

Concentration: 4.904 UG/KG









SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5507.d
Lab Smp Id: DPJFJ1AE Client Smp ID: SL-82-9.0'
Inj Date : 16-NOV-2000 14:25
Operator : 1904 Inst ID: a3i503.i
Smp Info : DPJFJ1AE,,5G/5ML
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:40 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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

ISTD	RT	AREA	AMOUNT
* 3 Chlorobenzene-d5	13.692	371714	250.000

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, propyl-					CAS #: 103-65-1		
16.826	116626	78.4376717	15.688	93	NBS75K.1	64584	3
Benzene, 1-ethyl-3-methyl-					CAS #: 620-14-4		
17.040	343169	230.801599	46.160	97	NBS75K.1	64565	3
Benzene, 1,2,3-trimethyl-					CAS #: 526-73-8		
17.241	198506	133.507210	26.701	97	NBS75K.1	64576	3

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
17.684	130469	87.7482042	17.550	95	NBS75K.1	64560	3
1,2,4-Trimethylbenzene					CAS #: 95-36-3		
18.085	386315	259.819578	51.964	96	NBS75K.1	3771	3
Benzene, 1-methyl-3-propyl-					CAS #: 1074-43-7		
18.471	54711	36.7962320	7.359	76	NBS75K.1	65528	3
Benzene, 1,2,3-trimethyl-					CAS #: 526-73-8		
19.058	130182	87.5553096	17.511	97	NBS75K.1	3773	3
Benzene, 1,2-diethyl-					CAS #: 135-01-3		
19.558	369248	248.341204	49.668	98	NBS75K.1	6213	3

Data File: /chem/oan/msv/a31503.i/X01116A.b/VOX5507.d

Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

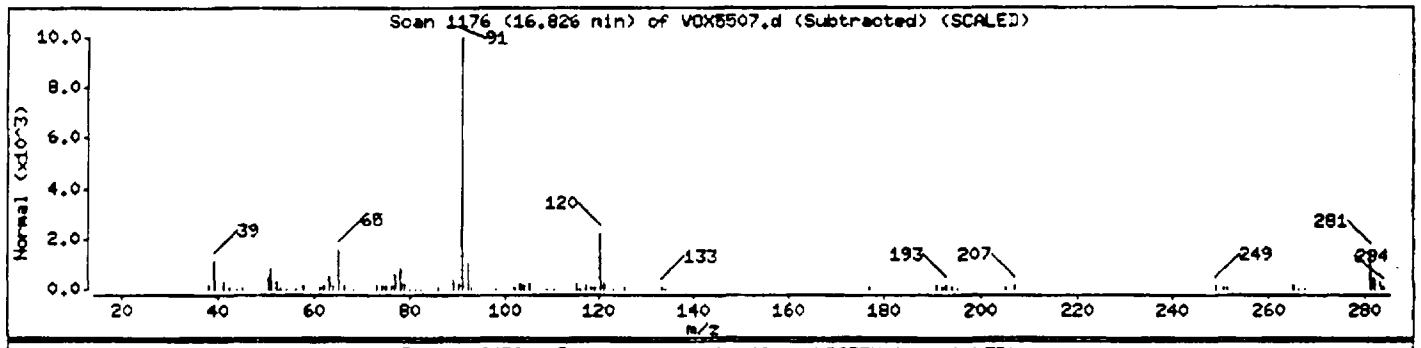
Sample Info: DPJFJ1AE,,5G/5ML

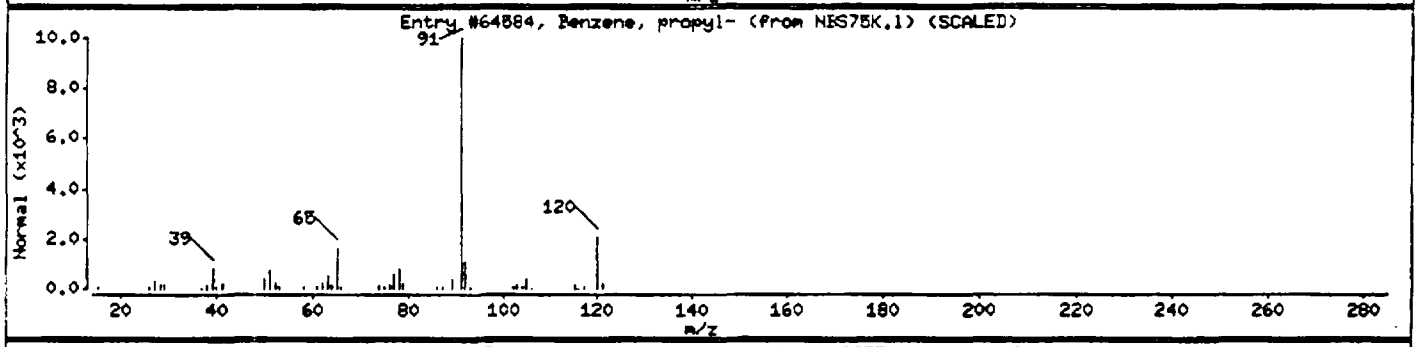
Operator: 1904

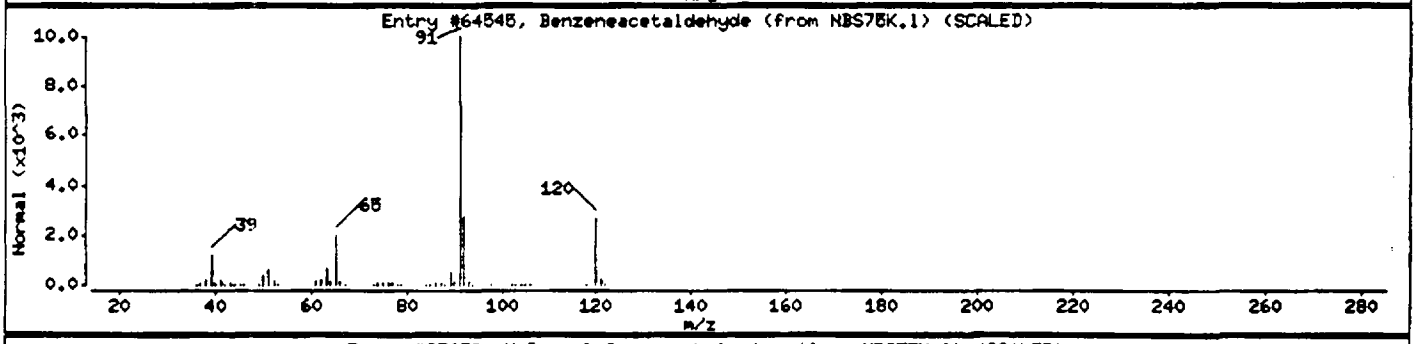
Column phase: RTX502.2

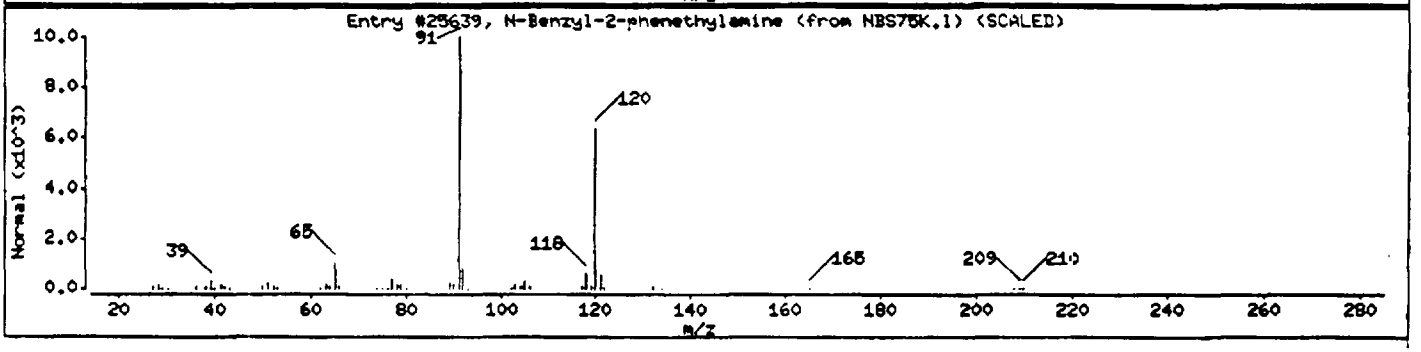
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NBS75K.l	64584	93	C9H12	120
Benzeneacetaldehyde	122-78-1	NBS75K.l	64545	60	C8H8O	120
N-Benzyl-2-phenethylamine	3647-71-0	NBS75K.l	25639	59	C15H17N	211









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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

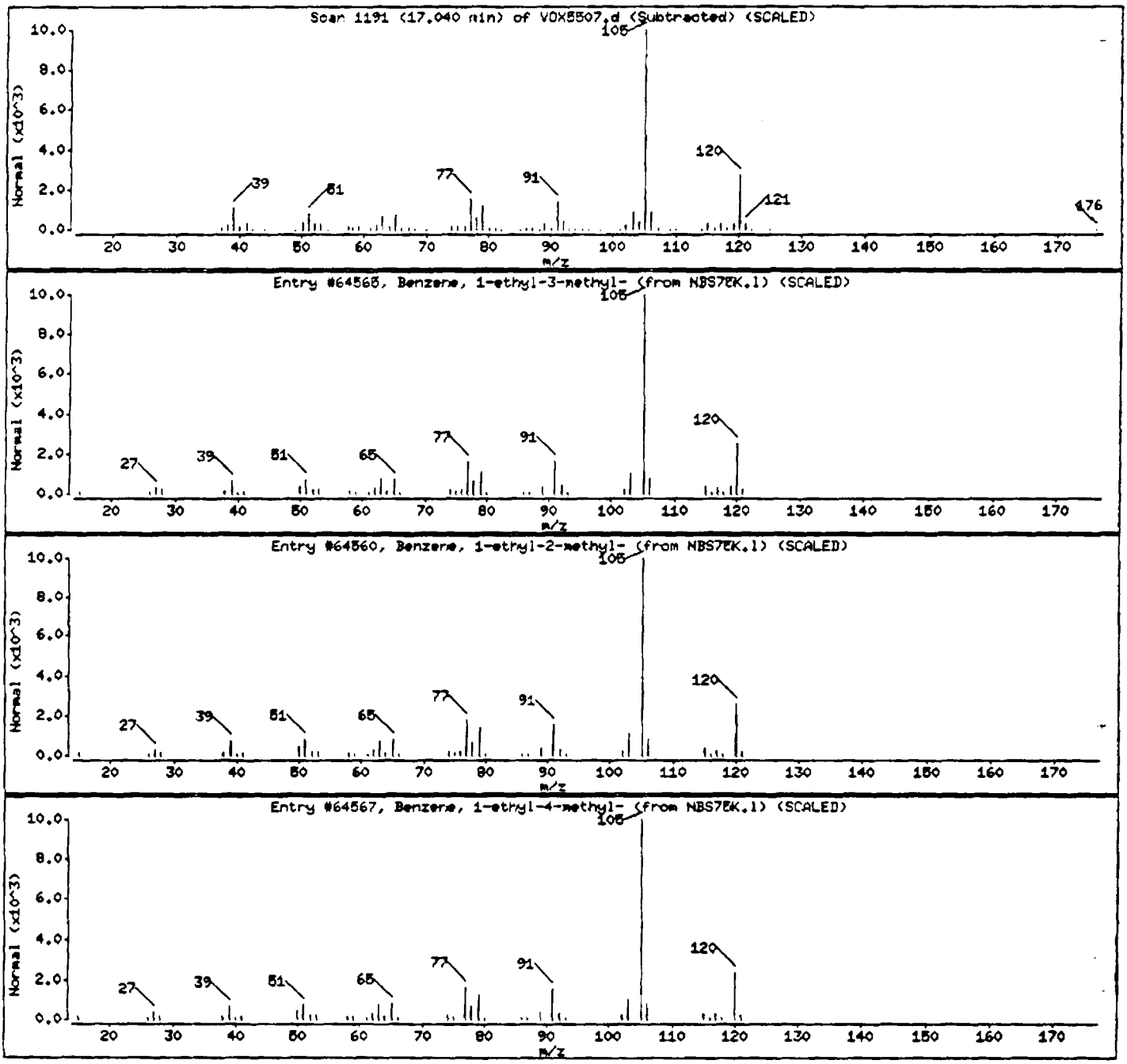
Sample Info: DPJFJ1AE,,5G/5ML

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64565	97	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64560	97	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	64567	94	C9H12	120



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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a3i503.i

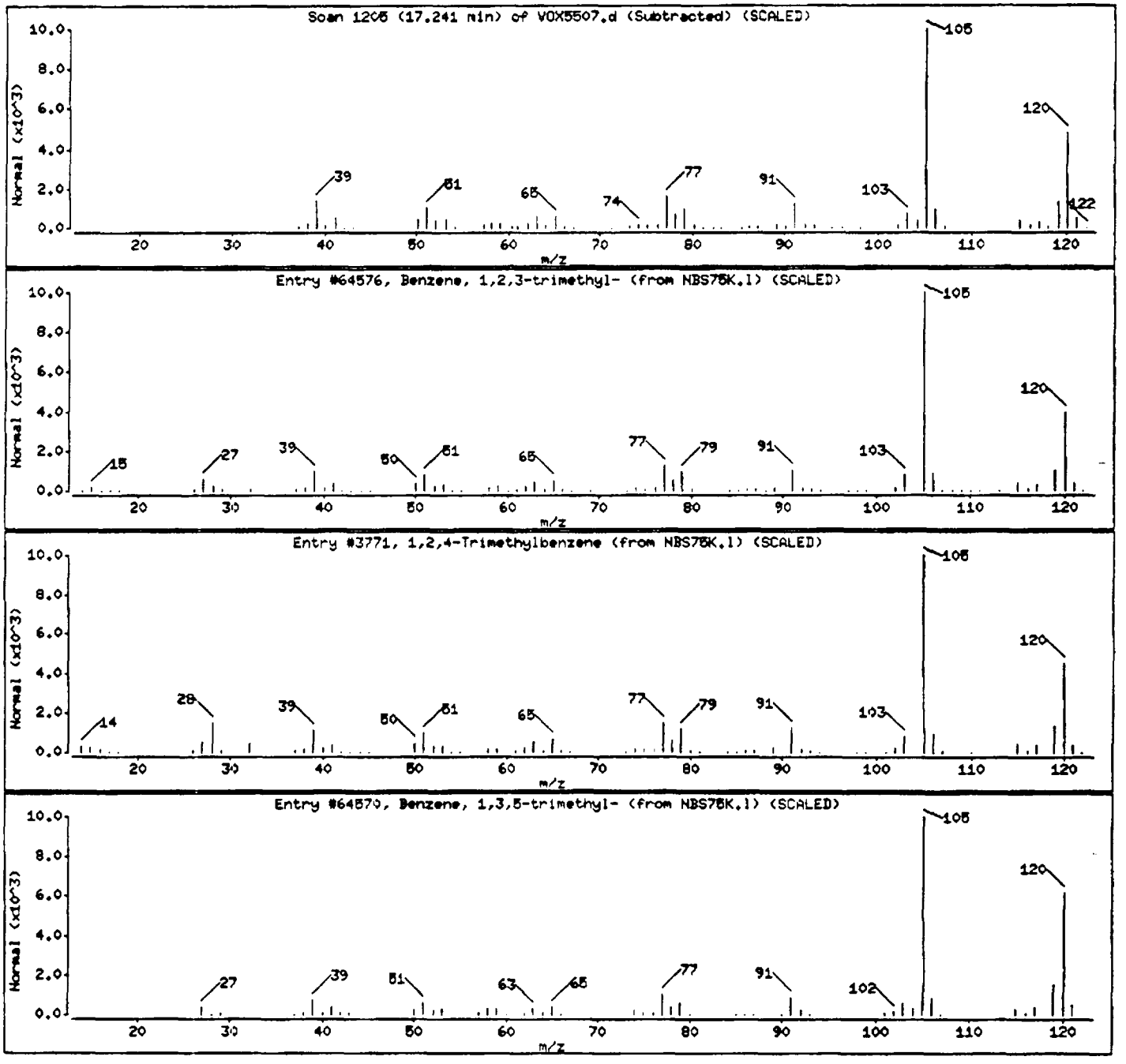
Sample Info: DPJFJ1AE,,5G/5HL

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	64576	97	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	96	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.1	64570	94	C9H12	120



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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a3i503.i

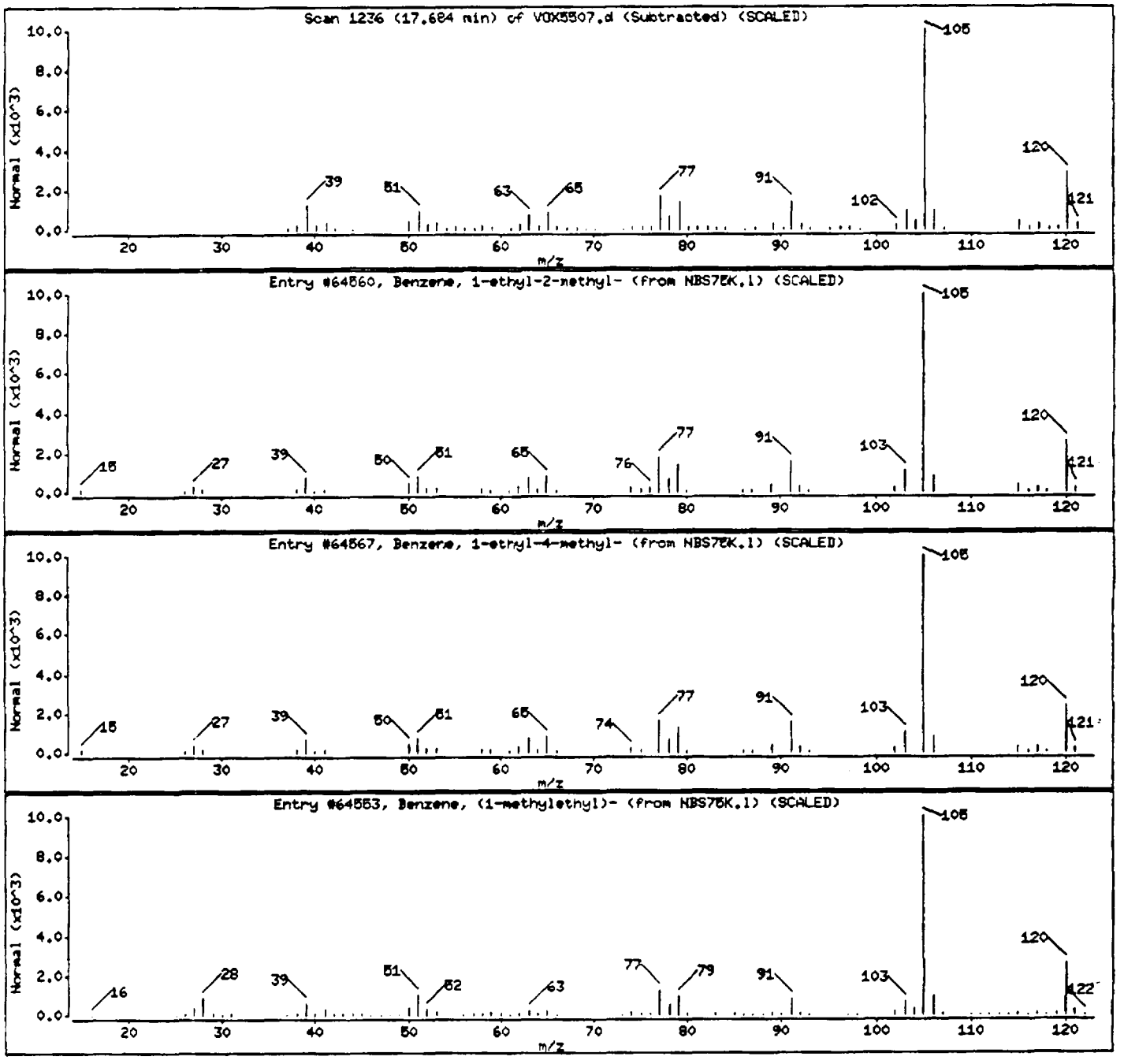
Sample Info: DPJFJ1AE,,5C/5HL

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64560	95	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.1	64567	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.1	64553	93	C9H12	120



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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

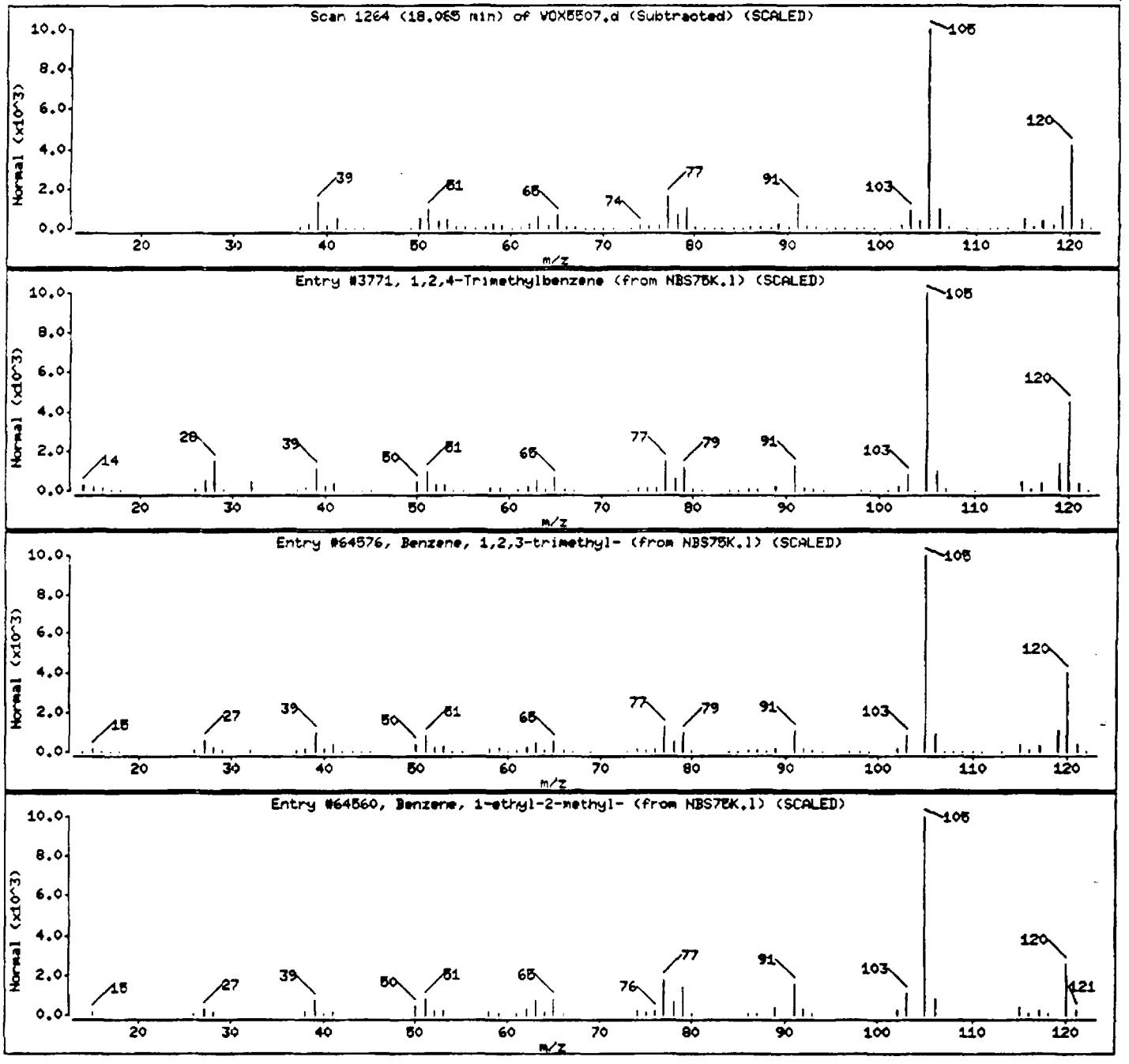
Sample Info: DPJFJ1AE,,5G/5HL

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	96	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	64576	96	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64560	94	C9H12	120



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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

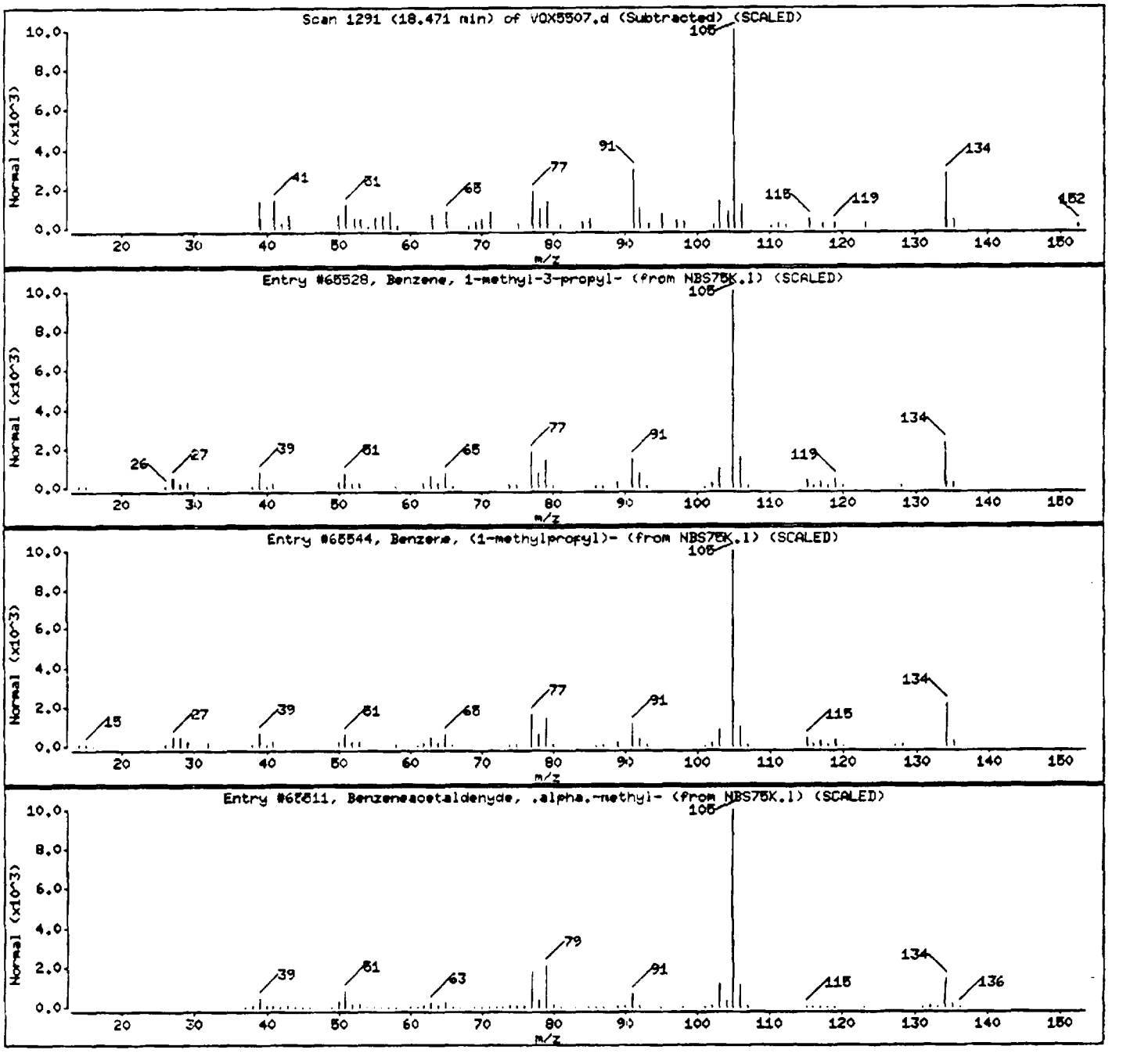
Sample Info: DPJFJ1AE,,5G/5ML

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-3-propyl-	1074-43-7	NBS75K.1	65528	76	C10H14	134
Benzene, (1-methylpropyl)-	135-98-8	NBS75K.1	65544	62	C10H14	134
Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	NBS75K.1	65511	58	C9H10O	134



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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

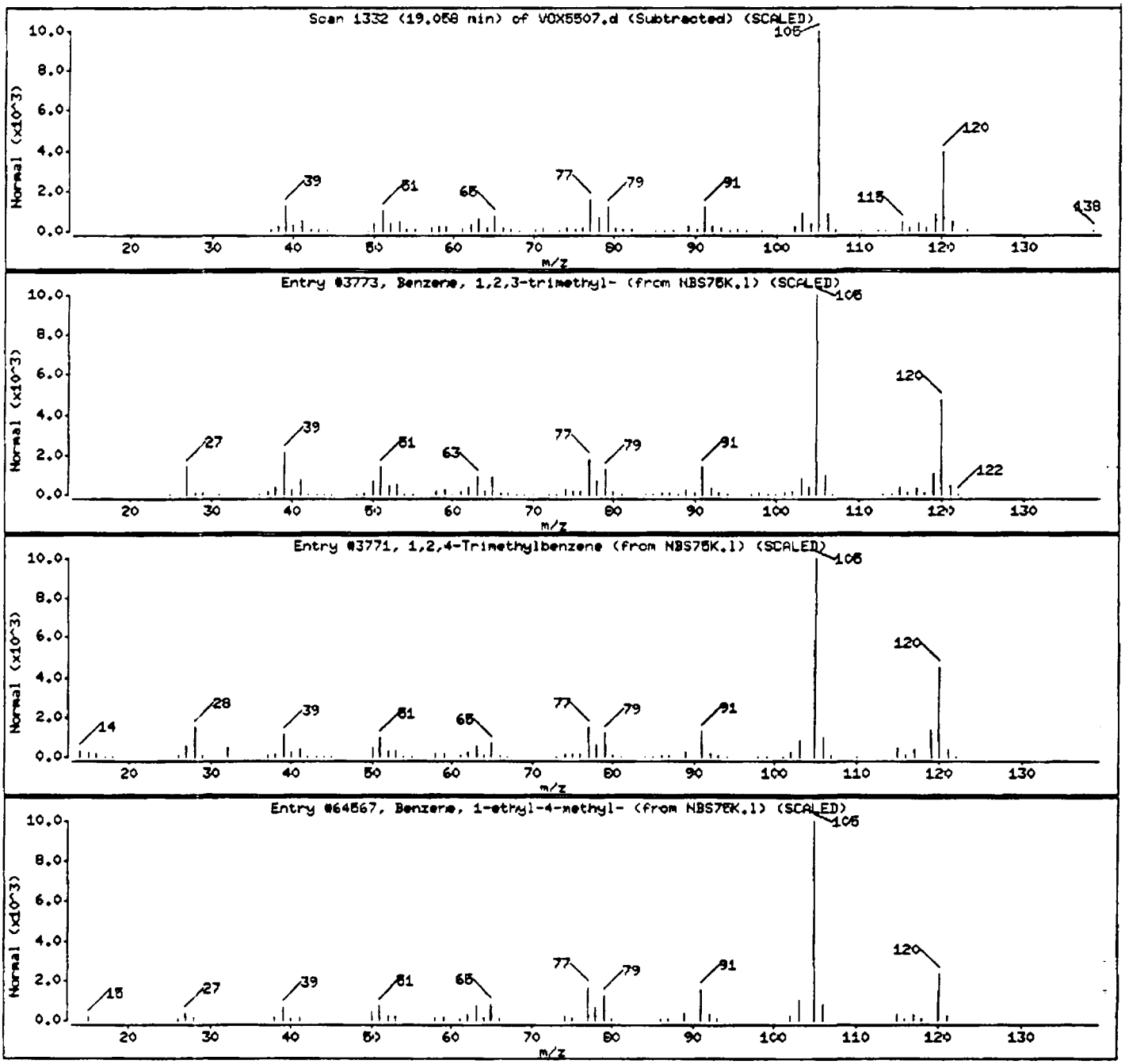
Sample Info: DPJFJ1AE,,5G/5HL

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	3773	97	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	96	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.1	64567	95	C9H12	120



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Date : 16-NOV-2000 14:25

Client ID: SL-82-9.0'

Instrument: a31503.i

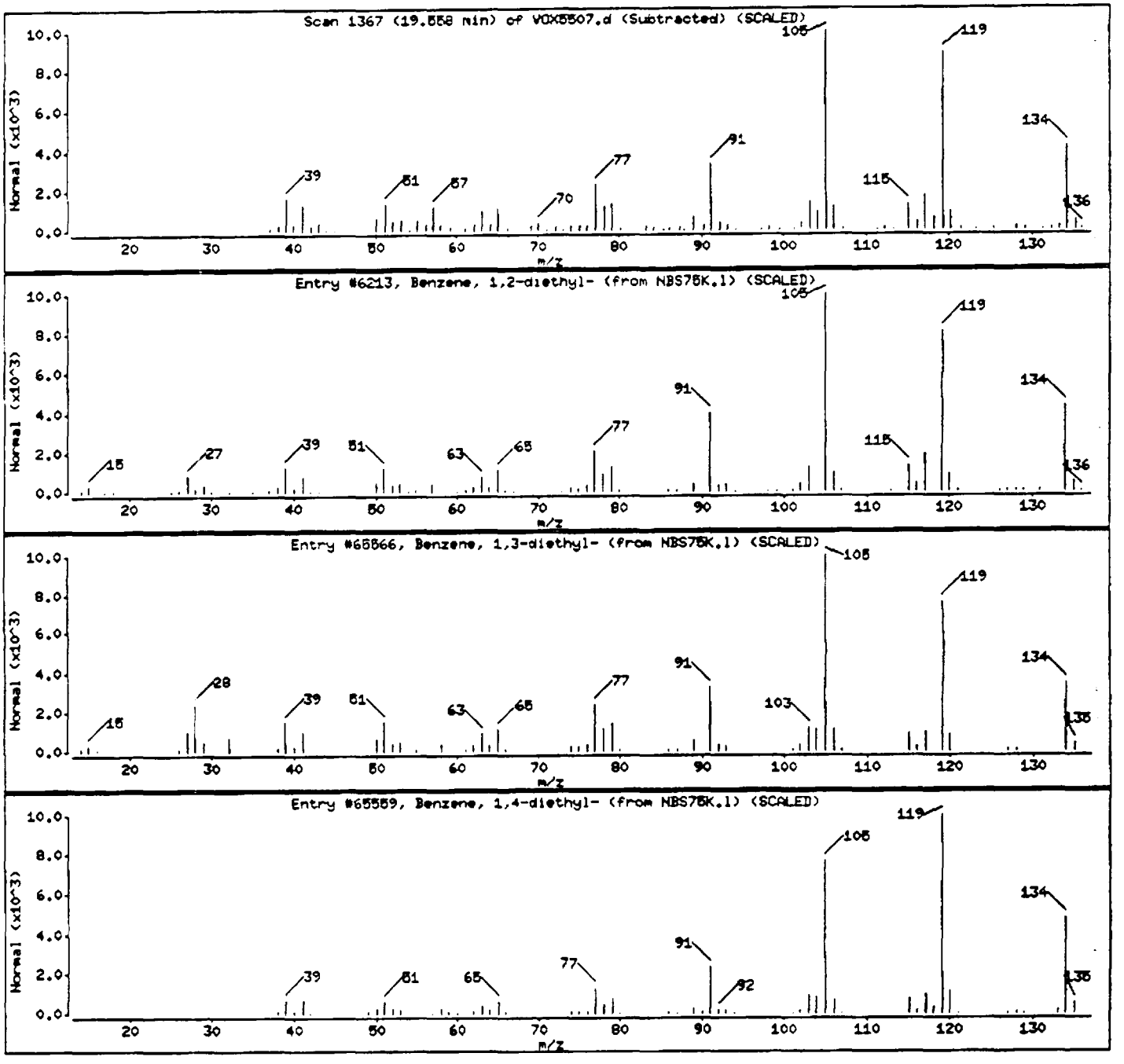
Sample Info: DPJFJ1AE,,BC/5HL

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	6213	98	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65566	98	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65559	91	C10H14	134



RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF31AC Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: SL-83-9.0'
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	2000	B
71-43-2	Benzene	1500	U
75-27-4	Bromodichloromethane	1500	U
75-25-2	Bromoform	1500	U
74-83-9	Bromomethane	1500	U
78-93-3	2-Butanone	1500	U
75-15-0	Carbon disulfide	1500	U
56-23-5	Carbon tetrachloride	1500	U
108-90-7	Chlorobenzene	1500	U
124-48-1	Dibromochloromethane	1500	U
75-00-3	Chloroethane	1500	U
67-66-3	Chloroform	1500	U
74-87-3	Chloromethane	1500	U
75-34-3	1,1-Dichloroethane	1500	U
107-06-2	1,2-Dichloroethane	1500	U
75-35-4	1,1-Dichloroethene	1500	U
540-59-0	1,2-Dichloroethene (total)	1500	U
78-87-5	1,2-Dichloropropane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
10061-02-6	trans-1,3-Dichloropropene	1500	U
100-41-4	Ethylbenzene	1800	
591-78-6	2-Hexanone	1500	U
75-09-2	Methylene chloride	1500	U
108-10-1	4-Methyl-2-pentanone	1500	U
100-42-5	Styrene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
127-18-4	Tetrachloroethene	1500	U
108-88-3	Toluene	1500	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF31AC Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: SL-83-9.0'
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-55-6	1,1,1-Trichloroethane	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
79-01-6	Trichloroethene	1500	U
75-01-4	Vinyl chloride	1500	U
1330-20-7	Xylenes (total)	7600	

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF31AC Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: SL-83-9.0'
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
103-65-1	Benzene, propyl-	9.0352	3000	NJ
611-14-3	Benzene, 1-ethyl-2-methyl-	9.1181	16000	NJ
108-67-8	Benzene, 1,3,5-trimethyl-	9.2009	7100	NJ
620-14-4	Benzene, 1-ethyl-3-methyl-	9.402	4000	NJ
526-73-8	Benzene, 1,2,3-trimethyl-	9.5677	13000	NJ
95-63-6	Benzene, 1,2,4-trimethyl-	9.9819	3200	NJ
135-01-3	Benzene, 1,2-diethyl-	10.171	4200	NJ
934-80-5	Benzene, 4-ethyl-1,2-dimethy	10.254	2500	NJ
2870-04-4	Benzene, 2-ethyl-1,3-dimethy	10.561	960	NJ
535-77-3	Benzene, 1-methyl-3-(1-methy	10.632	1600	NJ
98-82-8	Isopropylbenzene	8.632	830	

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81740.D

Page 8

Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

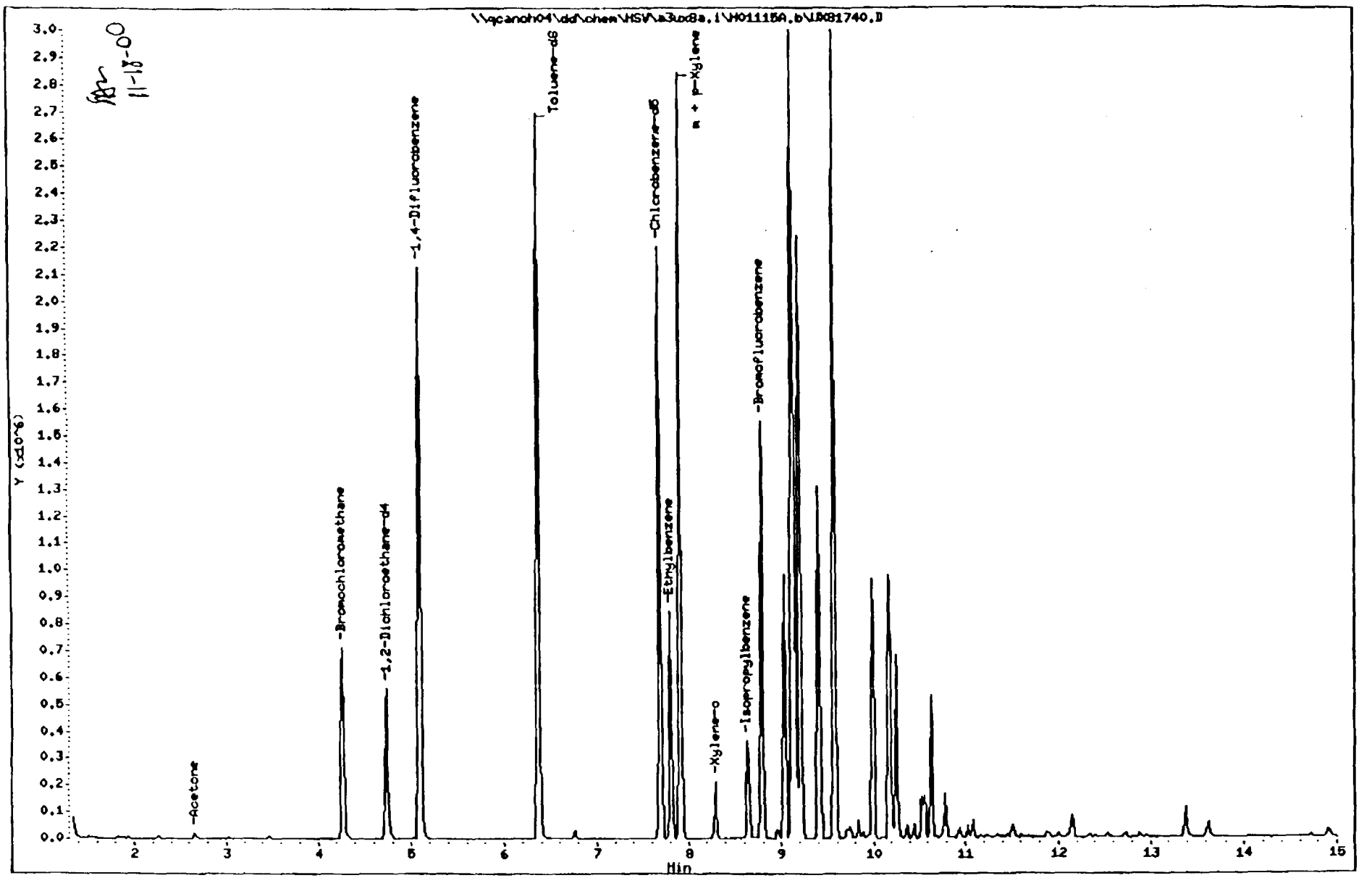
Instrument: a3ux8a.i

Sample Info: LPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



11-18-00

STL North Canton

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81740.D
Lab Smp Id: DPJF31AC Client Smp ID: SL-83-9.0'
Inj Date : 15-NOV-2000 22:06
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPJF31AC,,2,100UL/5ML
Misc Info : M01115A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 17-Nov-2000 18:57 mccroryj Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.266	4.266	(1.000)	297256	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.094	(1.000)	2064222	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.686	(1.000)	1666640	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.739	(1.111)	432532	257.955	6448.9
$ 5 Toluene-d8	98	6.372	6.372	(0.829)	2111942	242.340	6058.5
$ 6 Bromofluorobenzene	95	8.786	8.786	(1.143)	672147	235.240	5881.0
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	Compound Not Detected.					
14 Acetone	43	2.657	2.657	(0.623)	23917	68.3621	1709.0
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	7.804	7.804	(1.015)	237021	60.2904	1507.2
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.911	7.910	(1.029)	1030661	220.086	5502.1
	44 Xylene-o	106	8.289	8.289	(1.079)	72237	16.5960	414.90
M	80 Xylenes (total)	106				1102898	253.384	6334.6
	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.					
	90 Cyclohexane	56	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.					
	91 Isopropylbenzene	105	8.632	8.644	(1.123)	300739	27.6106	690.26(a)
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

98-82-8

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\H011158.b\UX81740.D

Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

Sample Info: DPJF31AC,,2,100UL/5ML

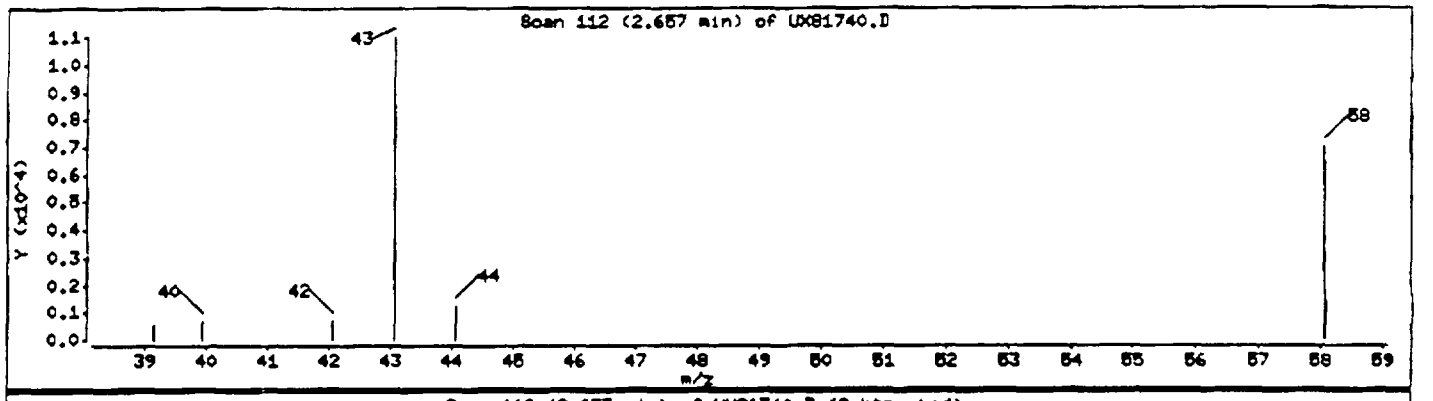
Operator: 2907

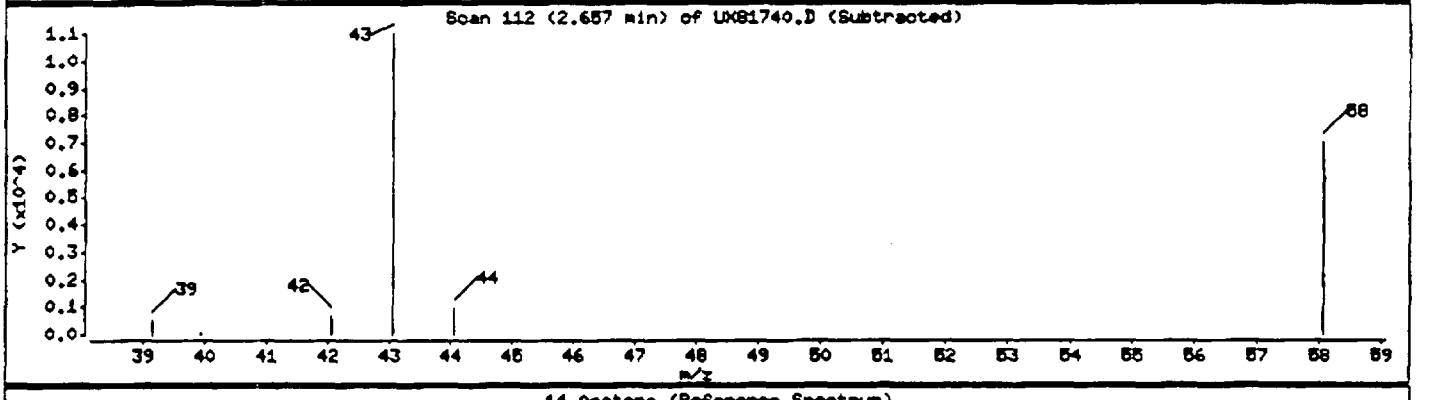
Column phase: DB624 20m

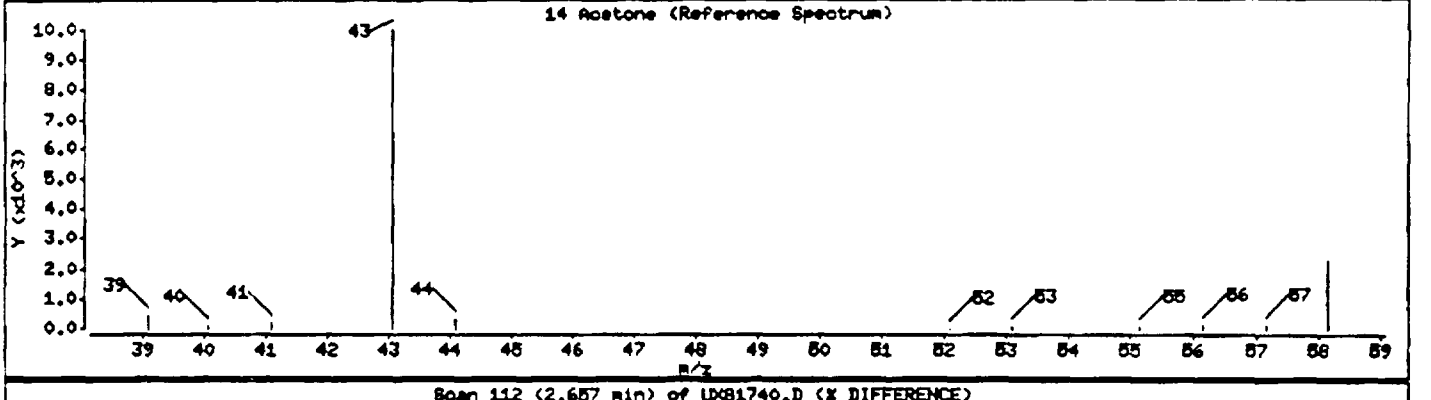
Column diameter: 0.18

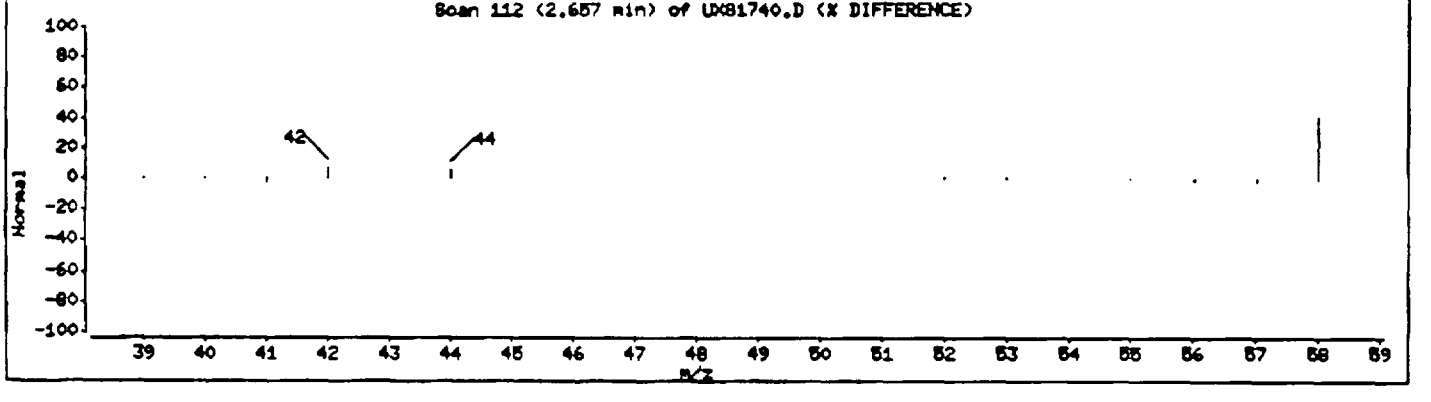
14 Acetone

Concentration: 1709.0 UG/KG









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Page 10

Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

Sample Info: DPJF31AC,,2,100UL/5HL

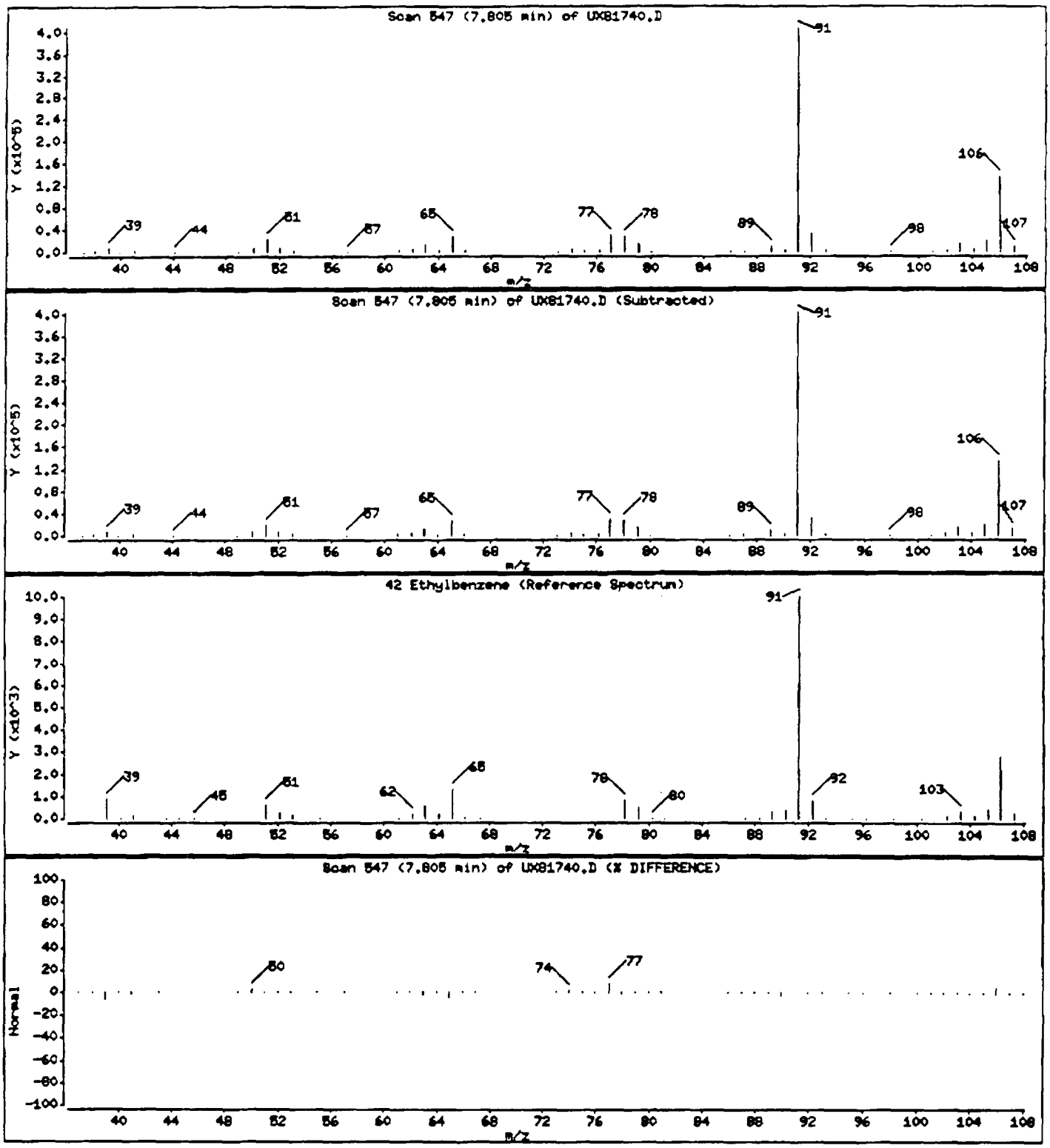
Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

42 Ethylbenzene

Concentration: 1507.2 UG/KG



Data File: \\qcanch04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81740.D

Date : 15-NOV-2009 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

Sample Info: DPJF31AC,,2,100UL/5ML

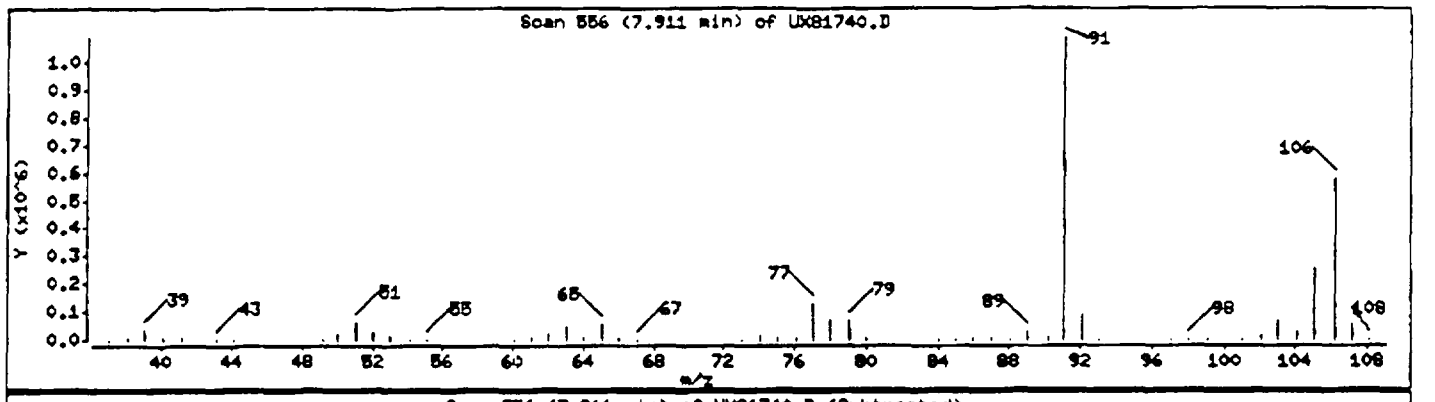
Operator: 2807

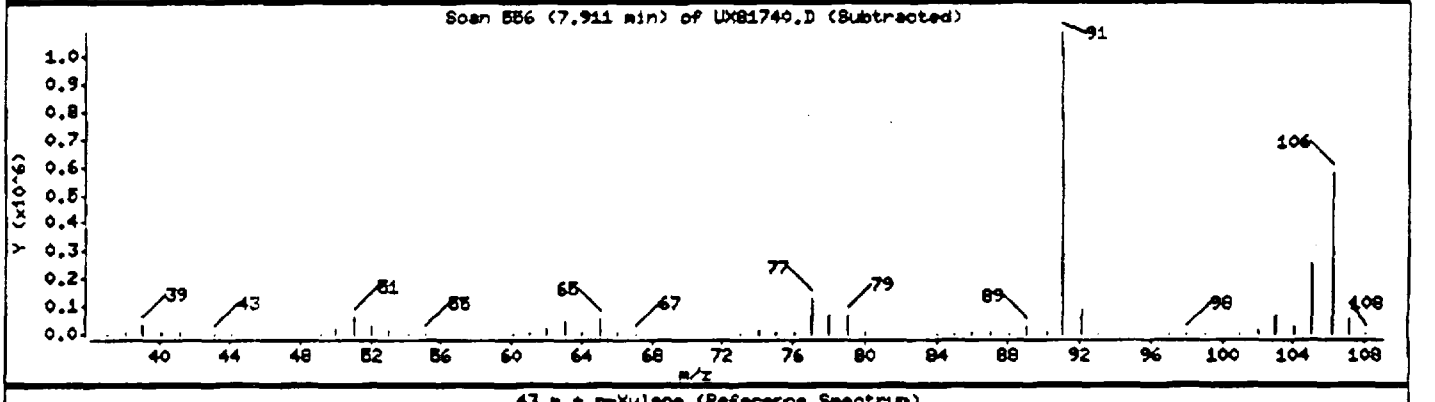
Column phase: DB624 20m

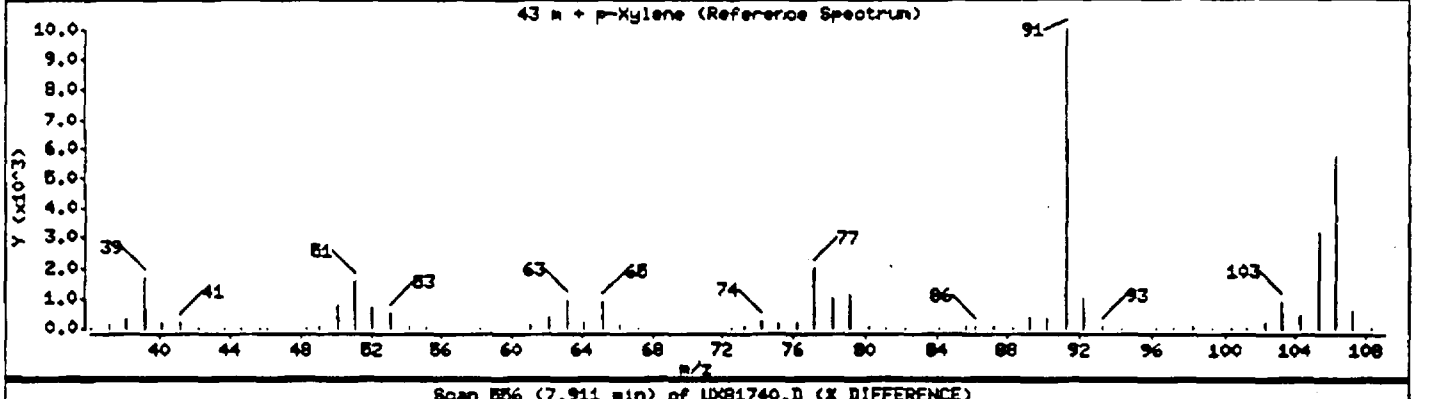
Column diameter: 0.18

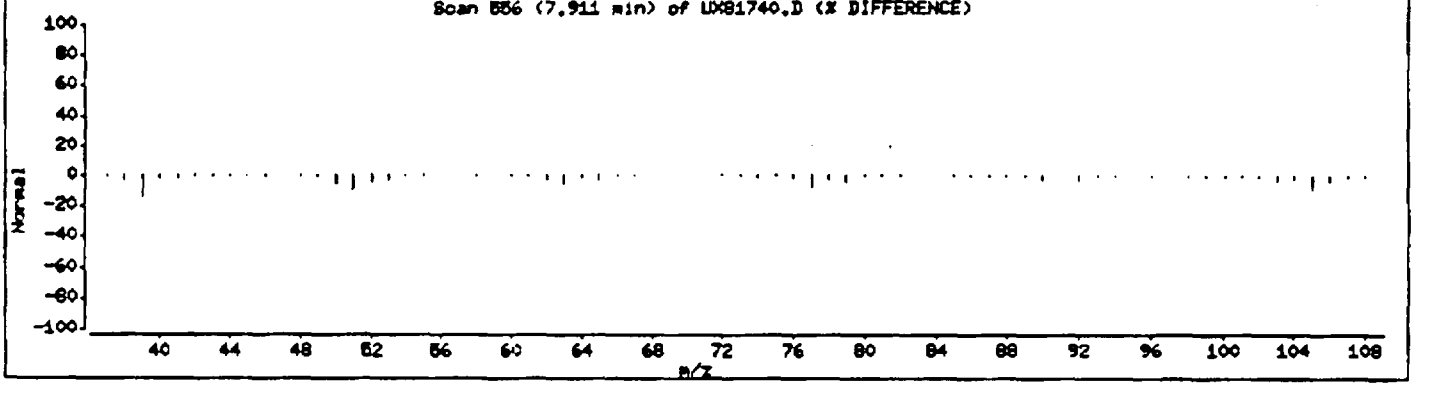
43 m + p-Xylene

Concentration: 5502.1 UG/KG









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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

Sample Info: DPJF31AC,,2,100UL/5ML

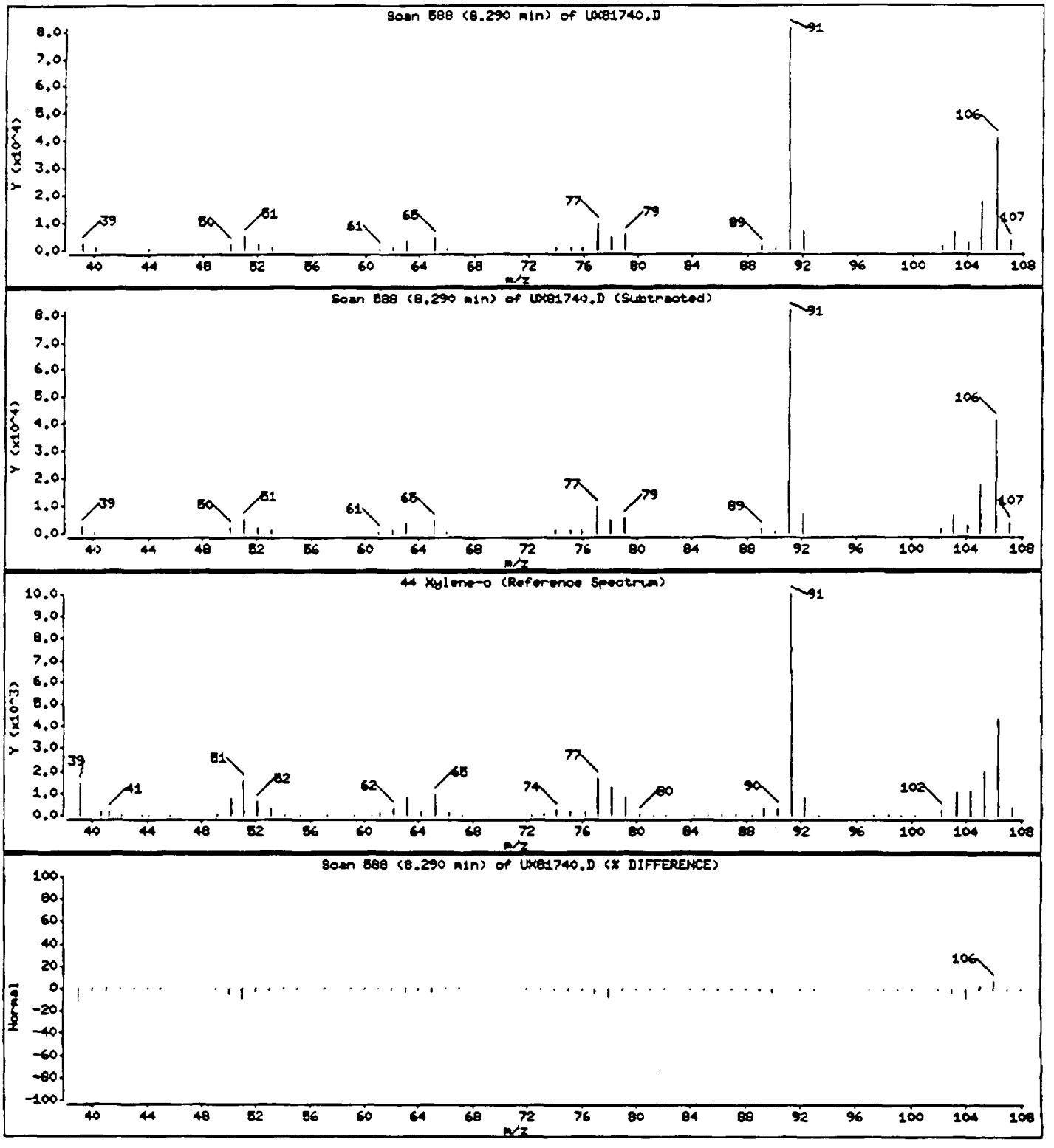
Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

44 Xylene-o

Concentration: 414.90 UG/KG



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81740.D
Lab Smp Id: DPJF31AC Client Smp ID: SL-83-9.0'
Inj Date : 15-NOV-2000 22:06
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPJF31AC,,2,100UL/5ML
Misc Info : M01115A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 17-Nov-2000 18:57 mccroryj Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

ISTD	RT	AREA	AMOUNT
* 3 Chlorobenzene-d5	7.686	4108062	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(UG/KG)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, propyl-				CAS #: 103-65-1			
9.035	1657987	100.898368	2522.4	86	NBS75K.1	3781	3
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
9.118	9039302	550.095276	13752	95	NBS75K.1	64557	3

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, 1,3,5-trimethyl-					CAS #: 108-67-8		
9.201	3887454	236.574691	5914.4	94	NBS75K.1	64571	3
Benzene, 1-ethyl-3-methyl-					CAS #: 620-14-4		
9.402	2206914	134.303840	3357.6	90	NBS75K.1	3769	3(L)
Benzene, 1,2,3-trimethyl-					CAS #: 526-73-8		
9.568	6934309	421.993935	10550	95	NBS75K.1	64574	3(L)
Benzene, 1,2,4-trimethyl-					CAS #: 95-63-6		
9.982	1765520	107.442390	2686.0	94	NBS75K.1	64577	3(L)
Benzene, 1,2-diethyl-					CAS #: 135-01-3		
10.171	2329816	141.783157	3544.6	94	NBS75K.1	65562	3
Benzene, 4-ethyl-1,2-dimethyl-					CAS #: 934-80-5		
10.254	1373899	83.6099236	2090.2	91	NBS75K.1	65567	3
Benzene, 2-ethyl-1,3-dimethyl-					CAS #: 2870-04-4		
10.562	528869	32.1848234	804.62	94	NBS75K.1	6200	3
Benzene, 1-methyl-3-(1-methylethyl)-					CAS #: 535-77-3		
10.633	899273	54.7261093	1368.2	95	NBS75K.1	65579	3(L)

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M011154.b\UX81740.D

Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

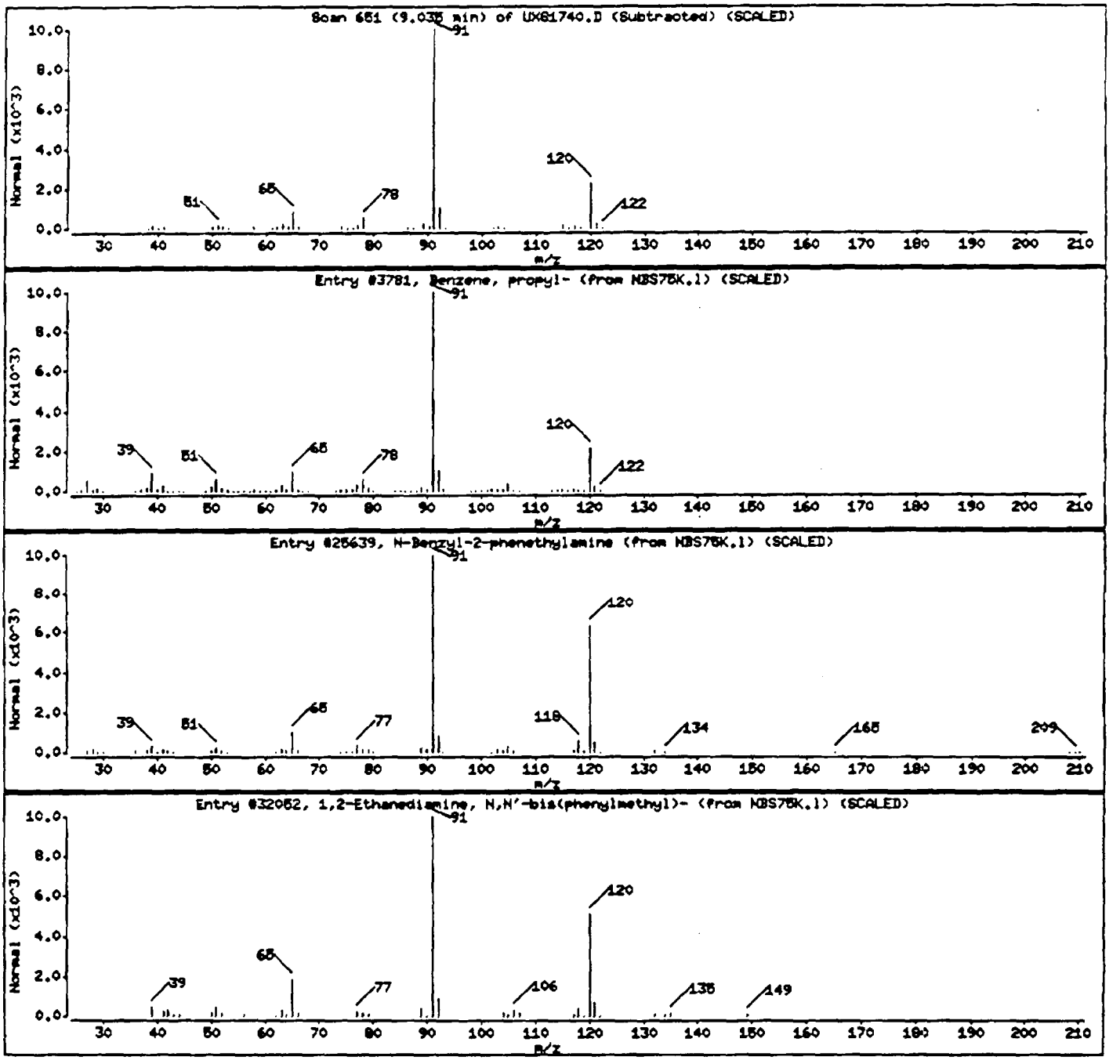
Sample Info: DPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NBS75K.l	3781	86	C9H12	120
N-Benzyl-2-phenethylamine	3647-71-0	NBS75K.l	25639	64	C15H17N	211
1,2-Ethanediamine, N,N'-bis(phenylmethyl	140-29-3	NBS75K.l	32052	38	C16H20N2	240



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

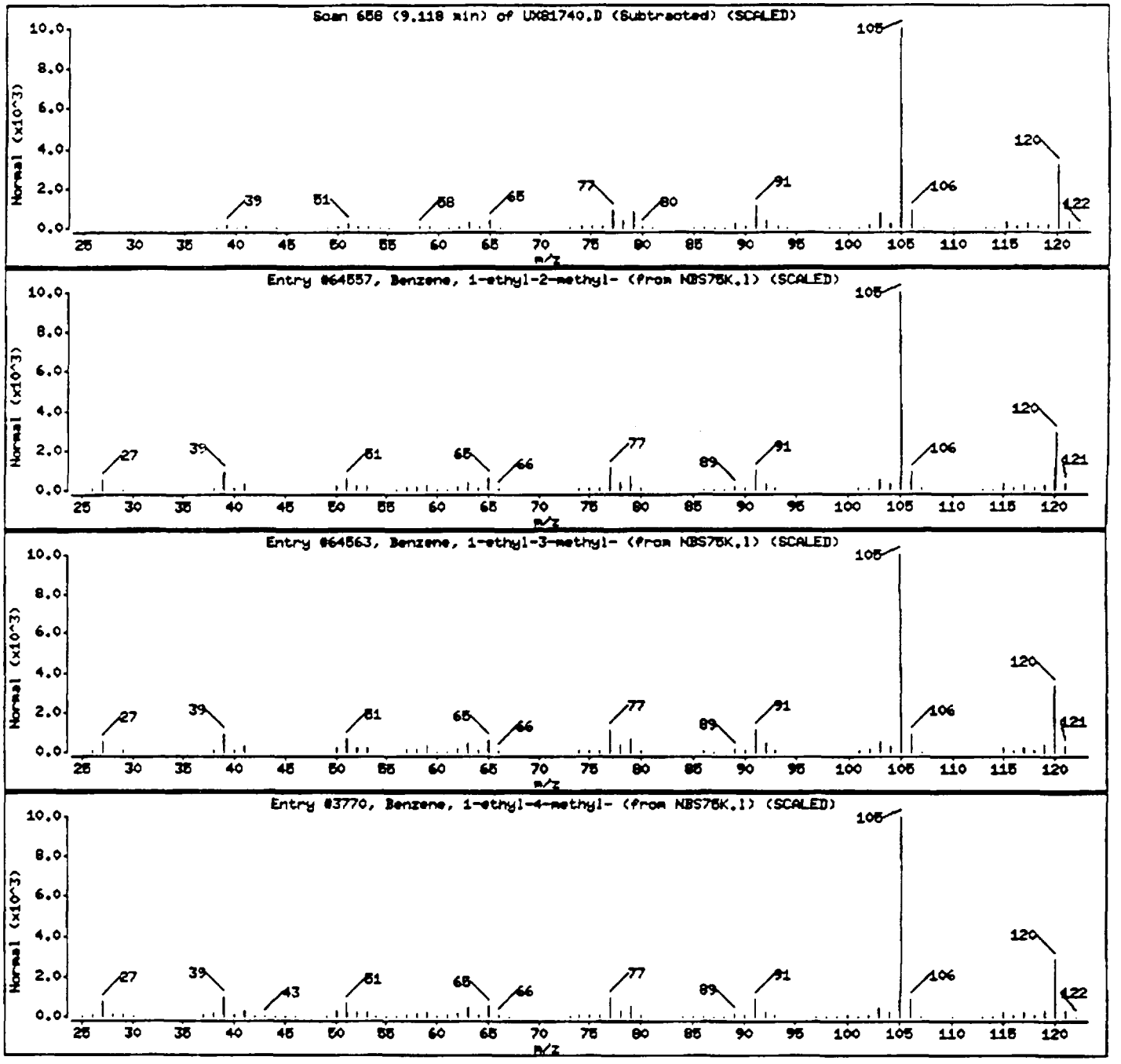
Sample Info: DPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64557	96	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	3770	91	C9H12	120



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

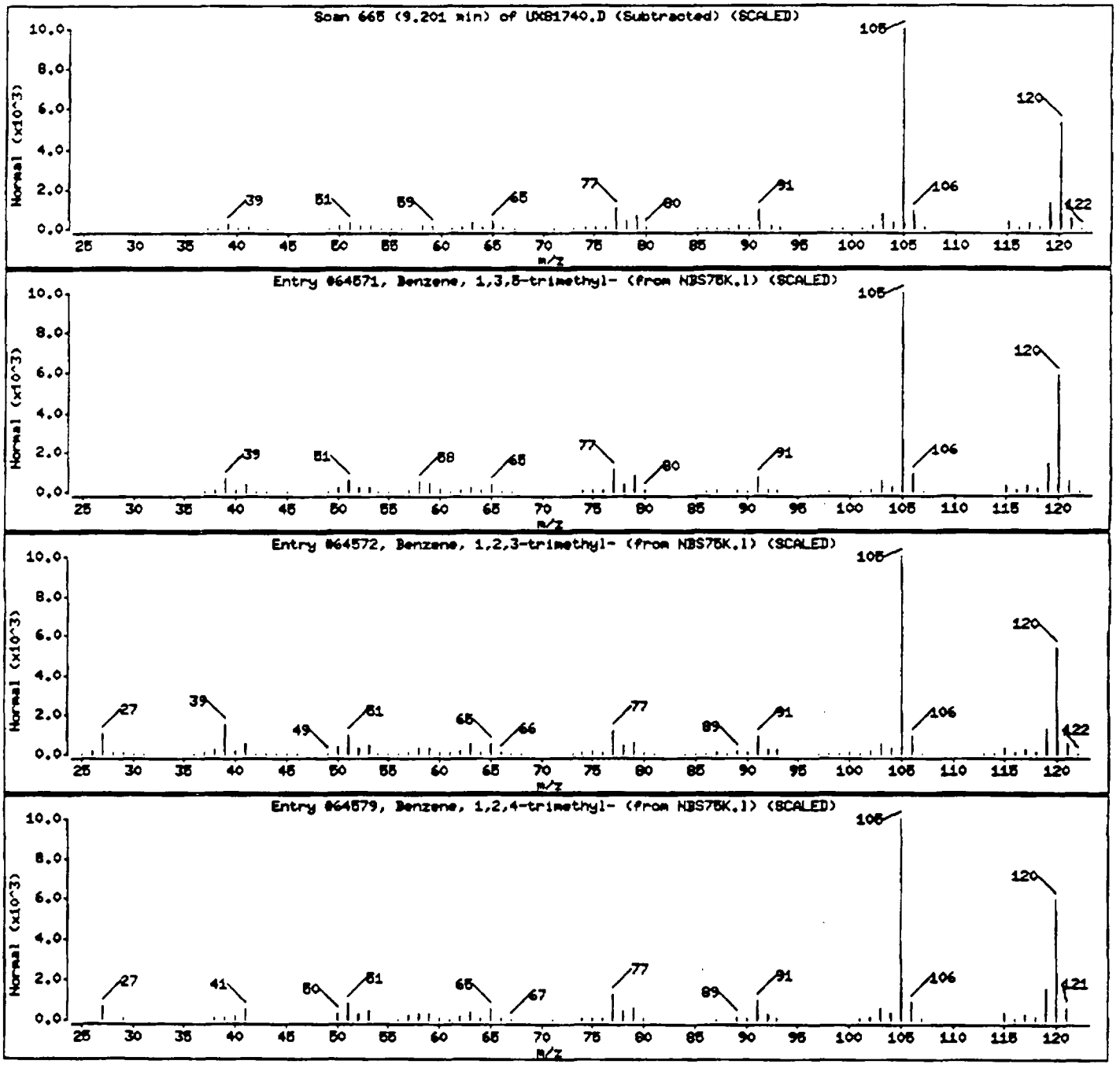
Sample Info: MPJF31AC,,2,100UL/EHL

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64571	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64572	94	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64579	94	C9H12	120



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

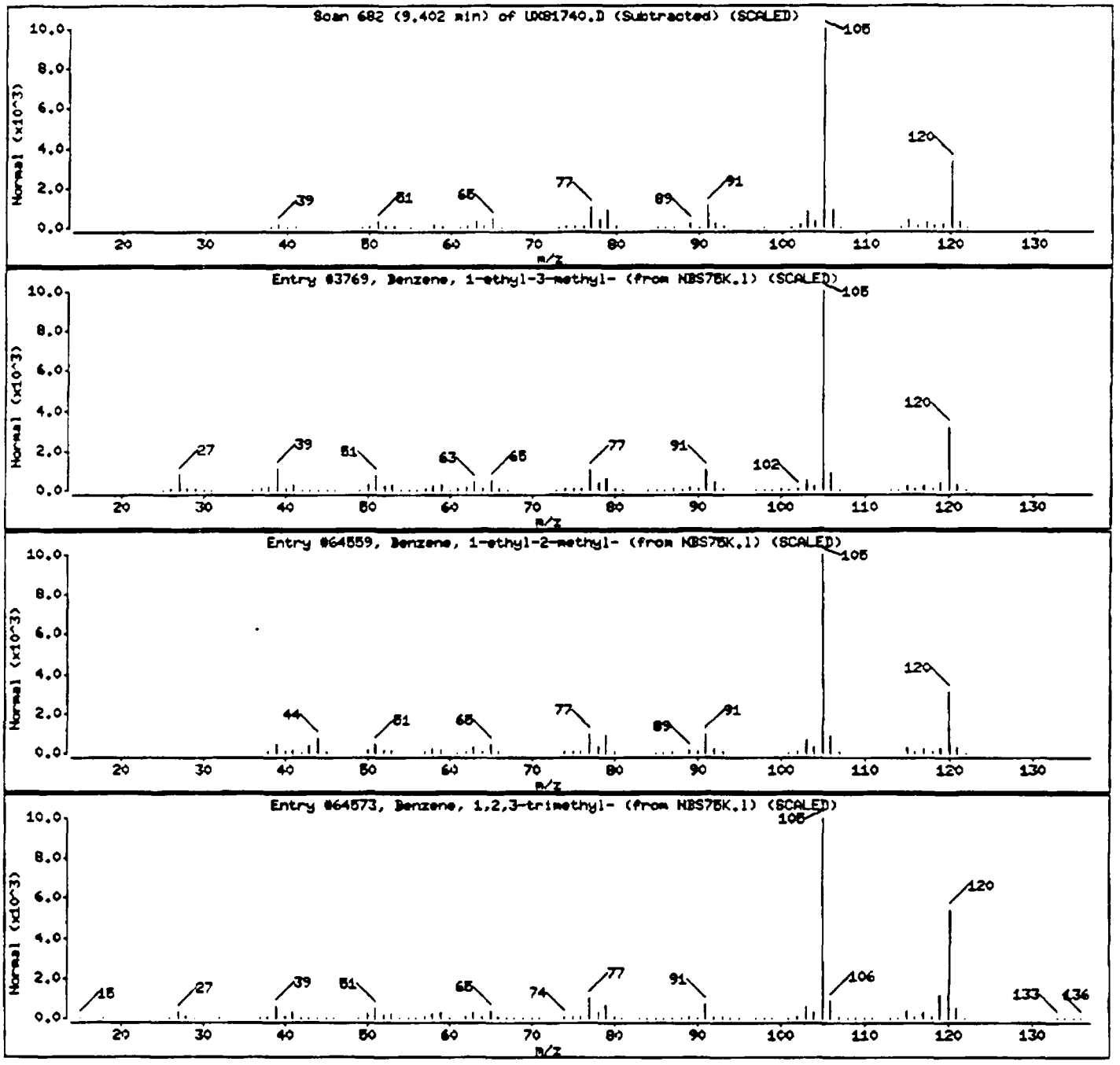
Sample Info: DPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	3769	90	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64559	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64573	90	C9H12	120



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

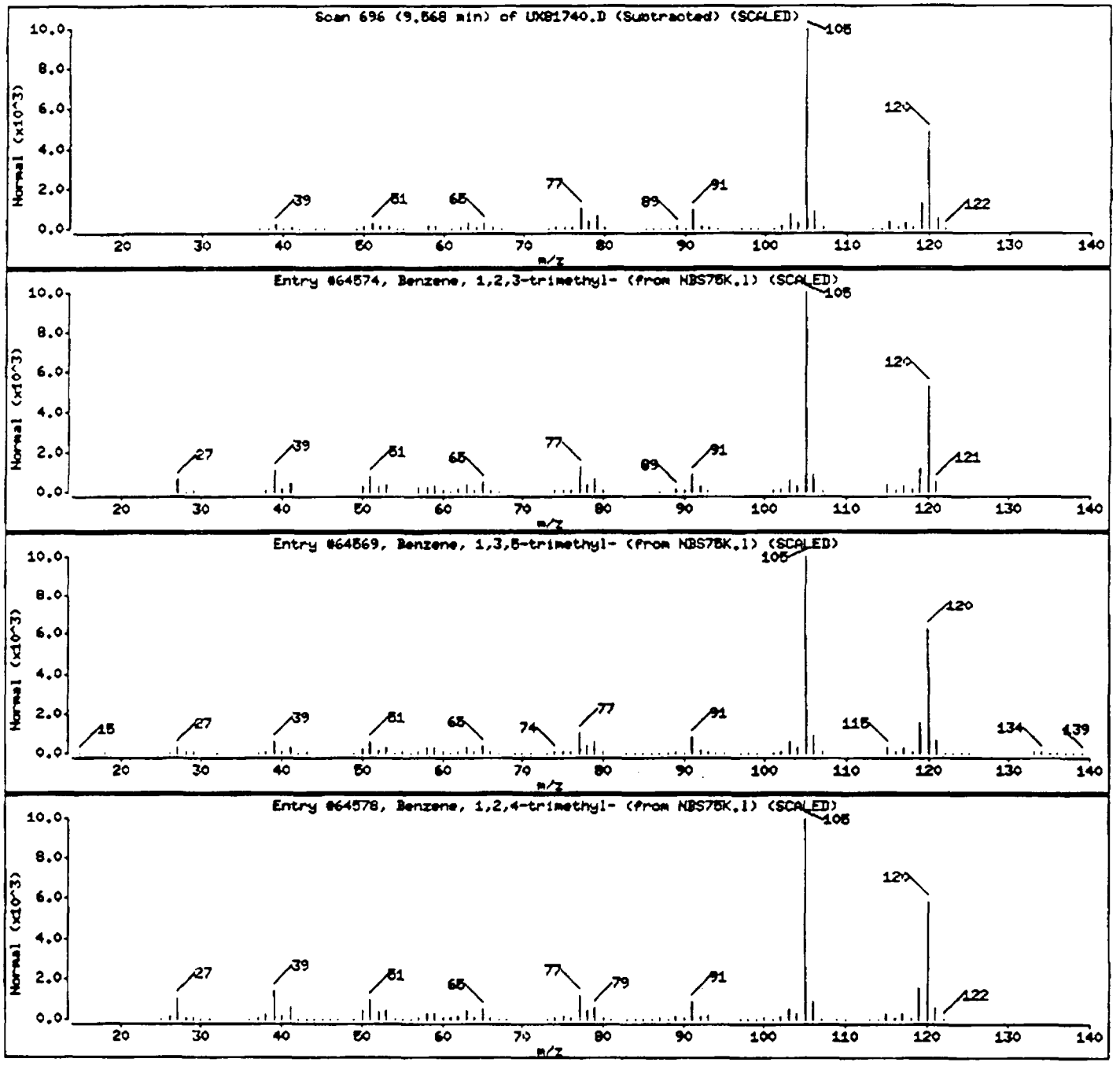
Sample Info: DPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64574	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64578	94	C9H12	120



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

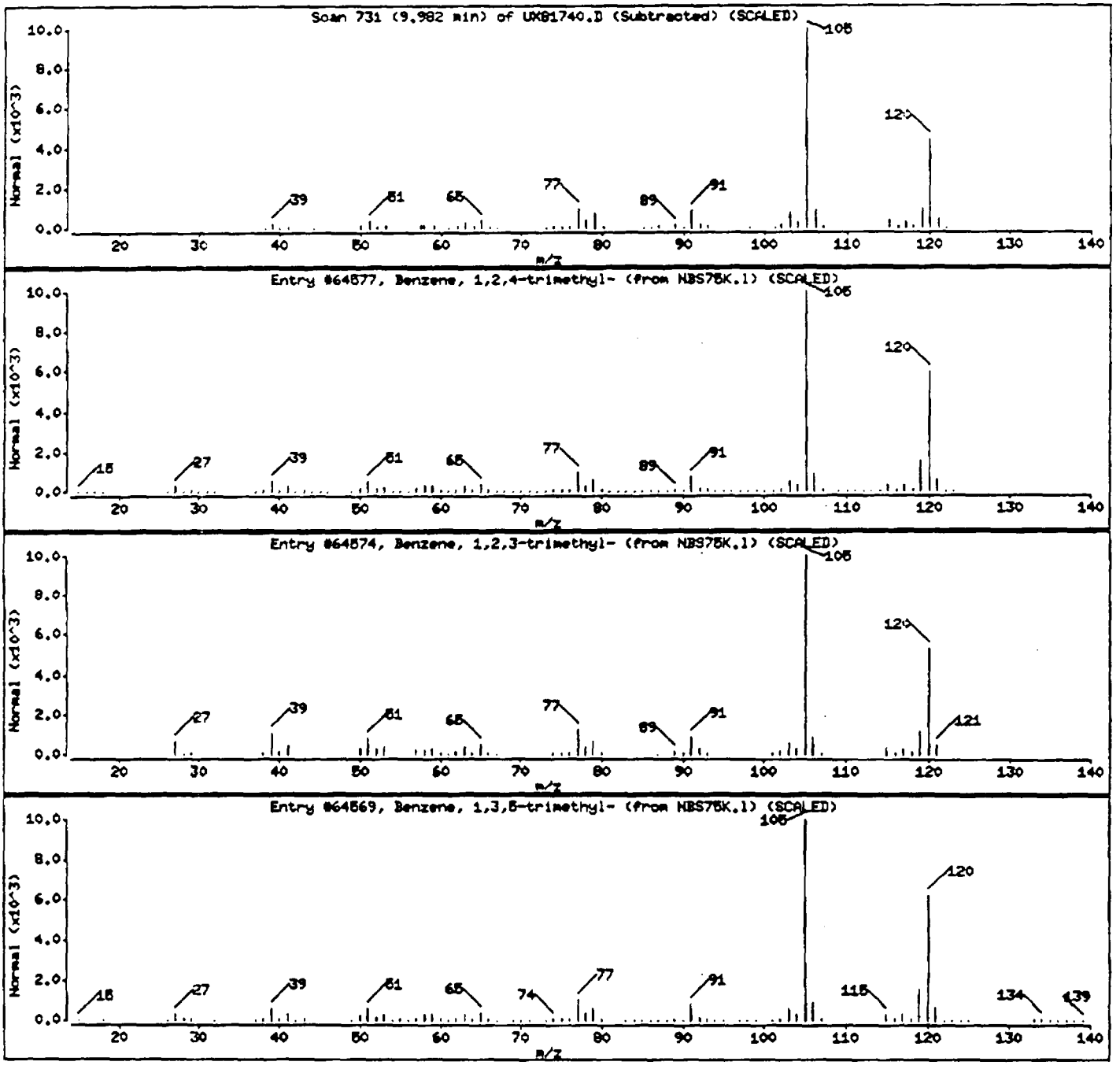
Sample Info: DPJF314C,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.1	64577	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	64574	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.1	64569	95	C9H12	120



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

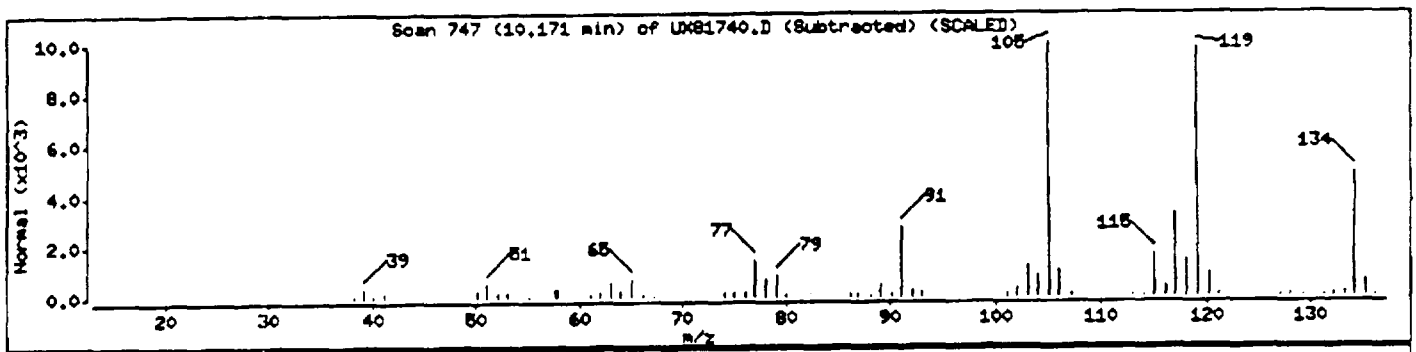
Sample Info: DPJF31AC,,2,100UL/5ML

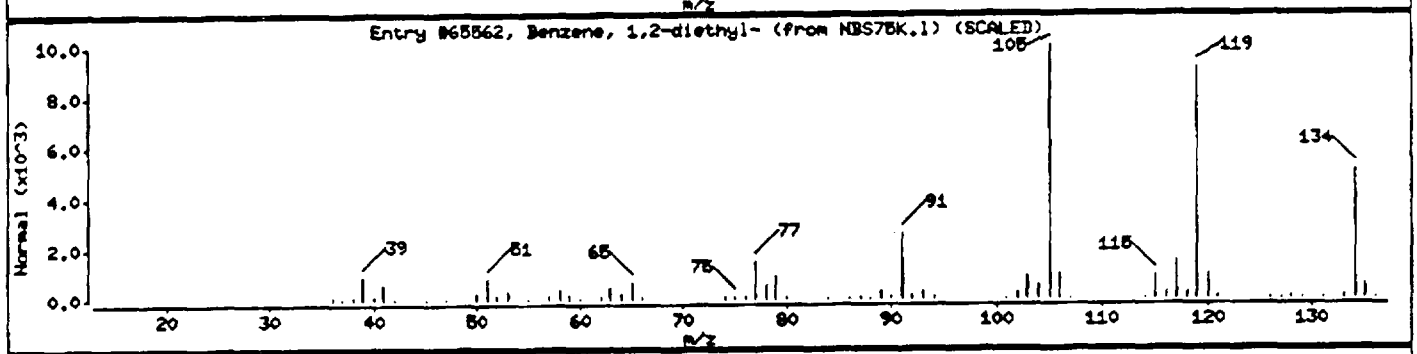
Operator: 2807

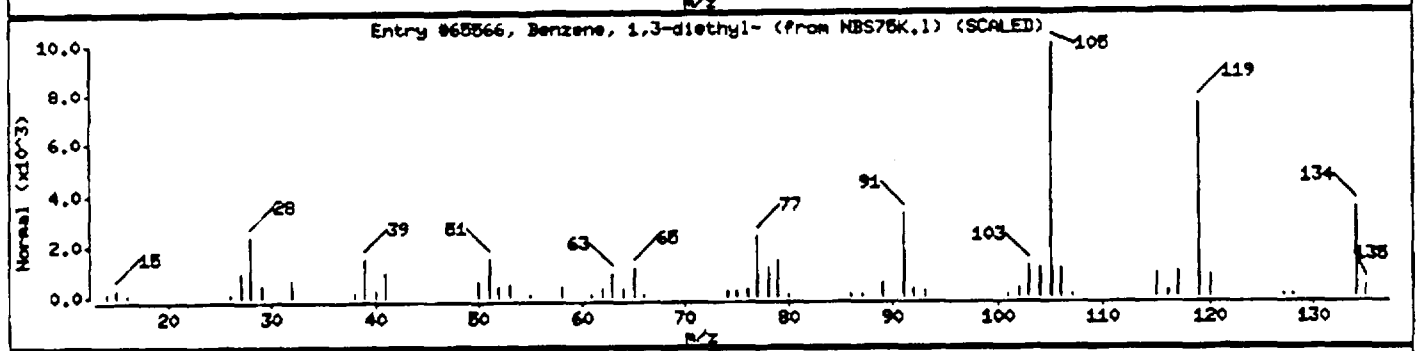
Column phase: DB624 20m

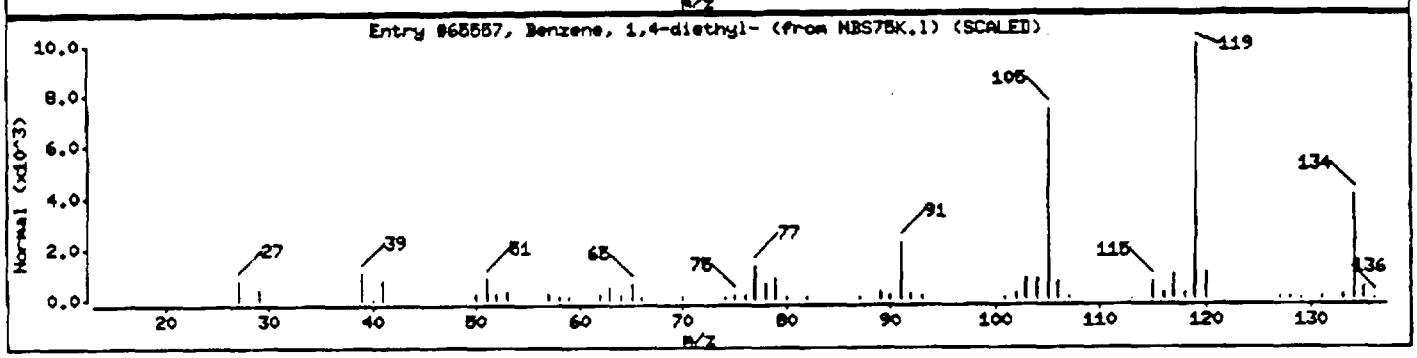
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	94	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65566	93	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65557	87	C10H14	134









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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

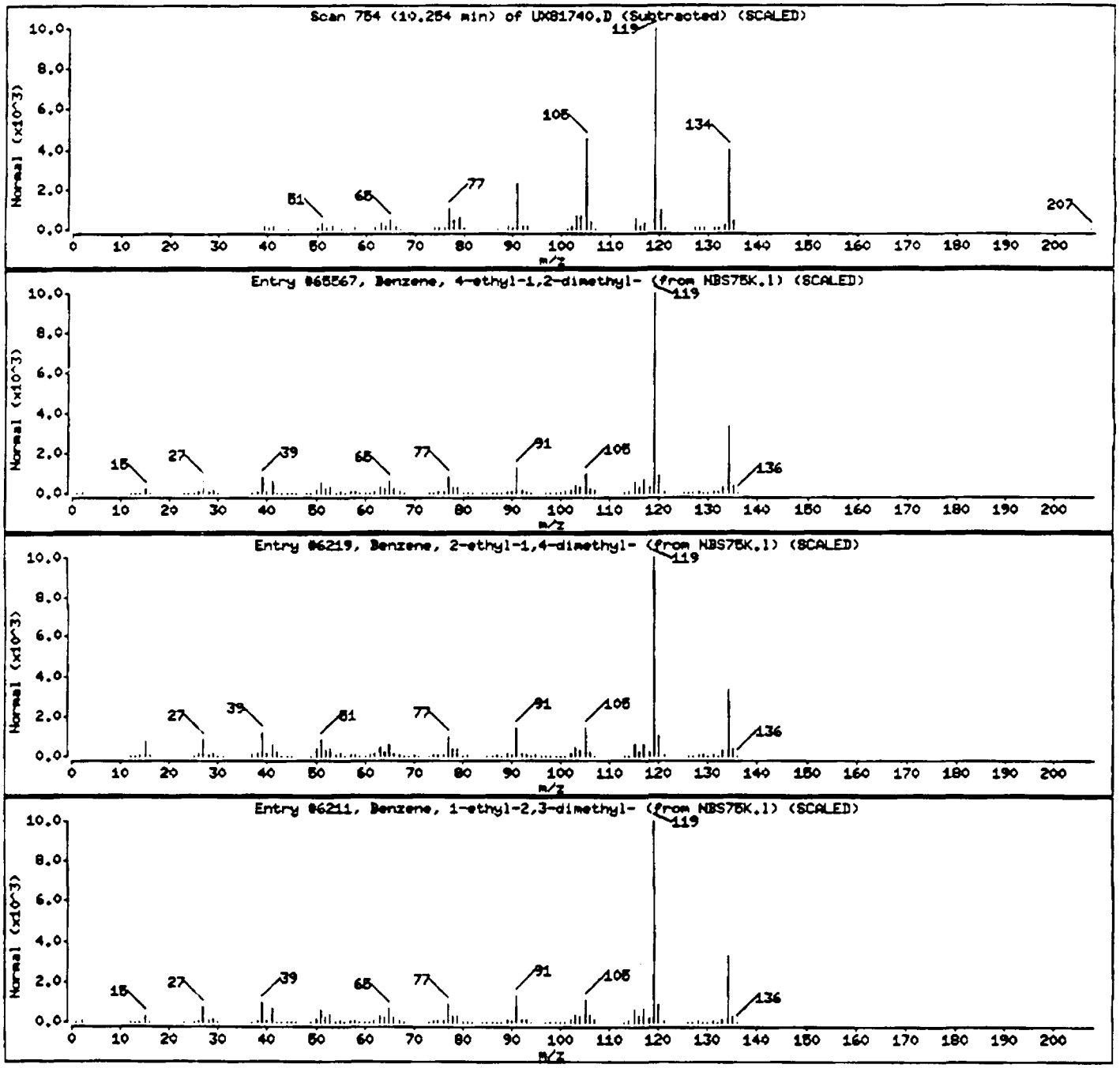
Sample Info: DPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65567	91	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	6219	91	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	6211	91	C10H14	134



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

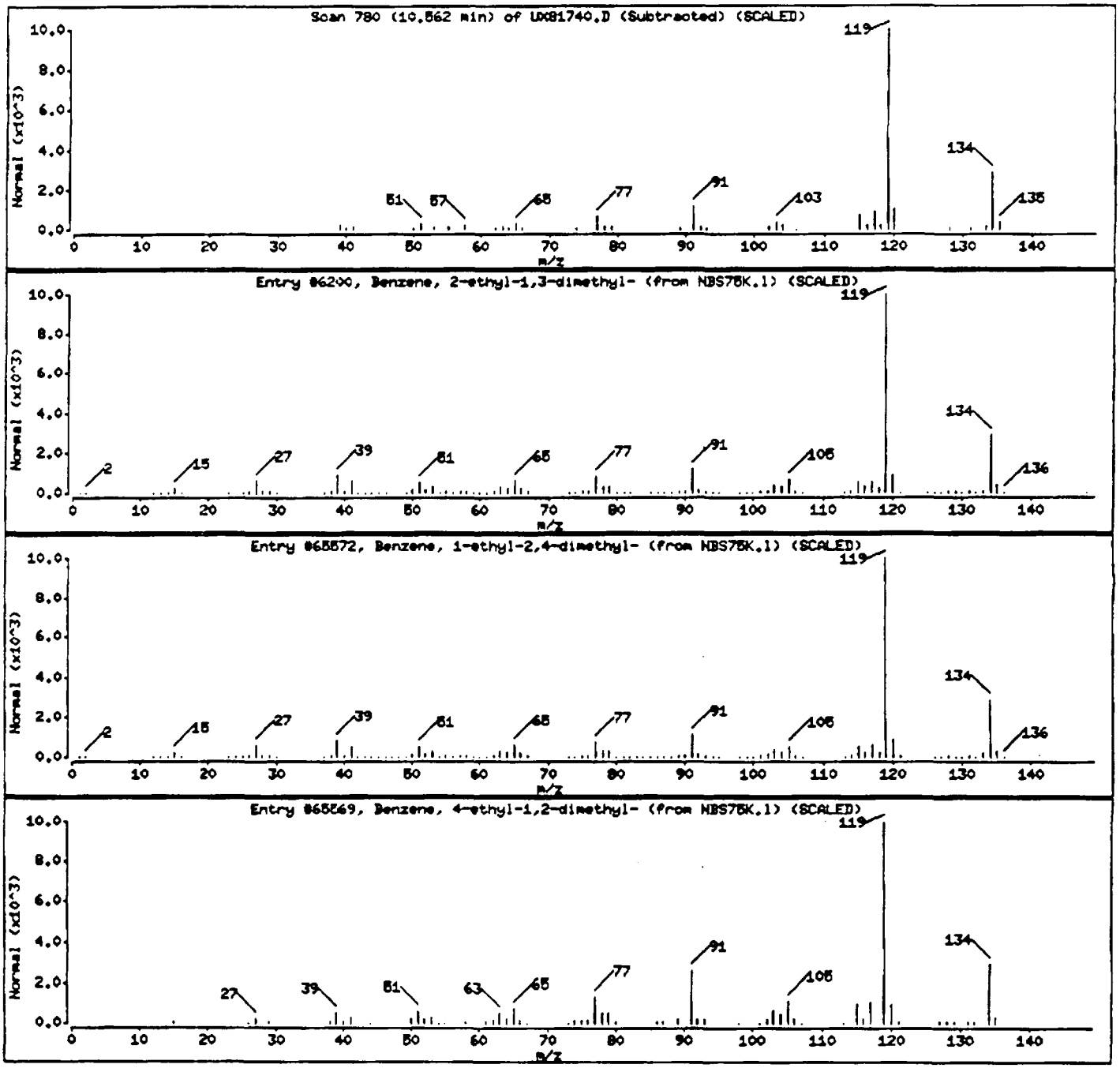
Sample Info: DPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NBS75K.l	6200	94	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65572	94	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	94	C10H14	134



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Date : 15-NOV-2000 22:06

Client ID: SL-83-9.0'

Instrument: a3ux8a.i

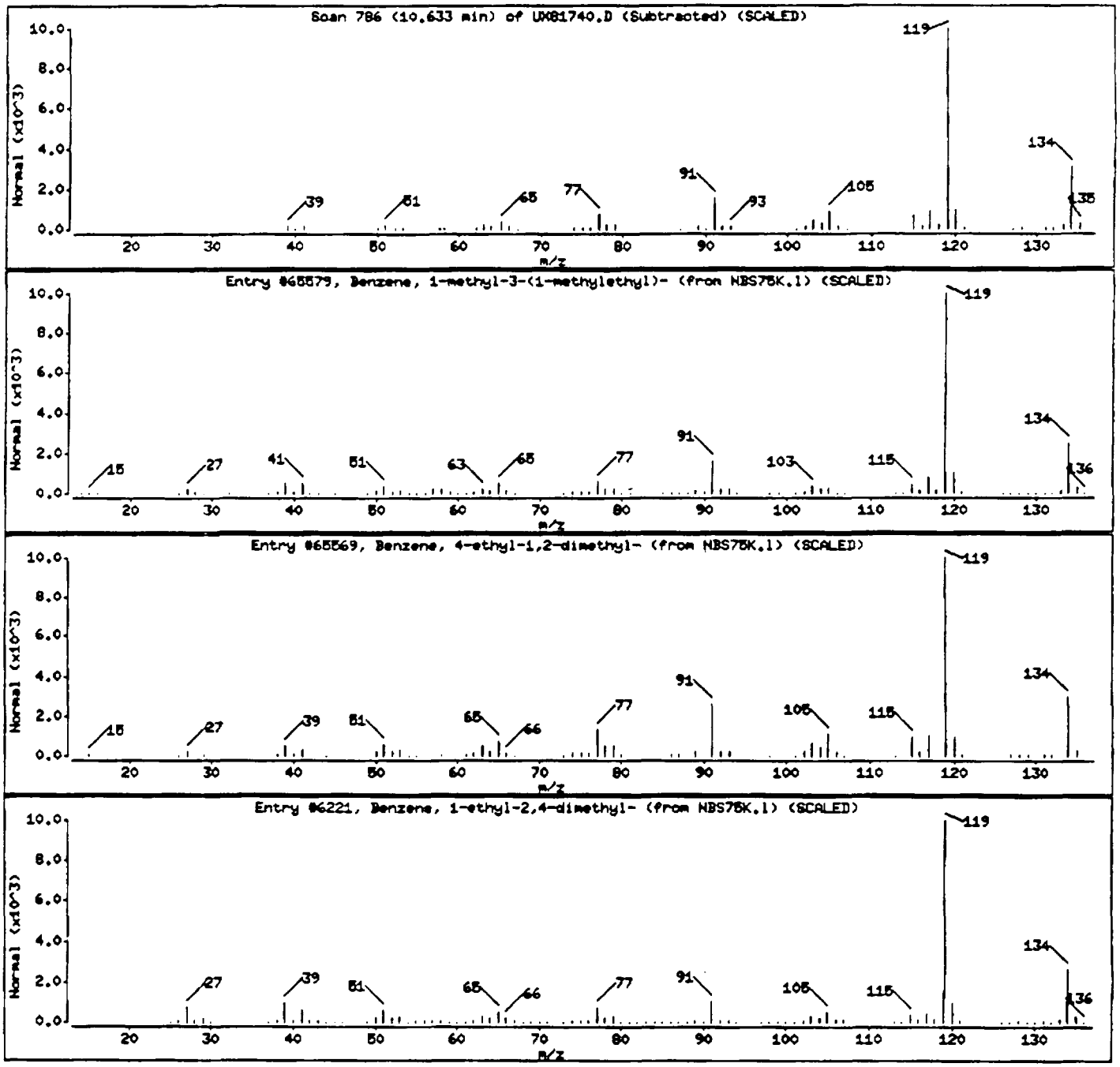
Sample Info: DPJF31AC,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	95	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	6221	95	C10H14	134



Data File: \\qoanch04\dd\chem\HSV\a3ux8a.i\H011115A.b\UX81740.D

Date : 15-NOV-2000 22:06

Client ID: SL-03-9.0'

Instrument: a3ux8a.i

Sample Info: DPJF31AC,,2,100UL/5ML

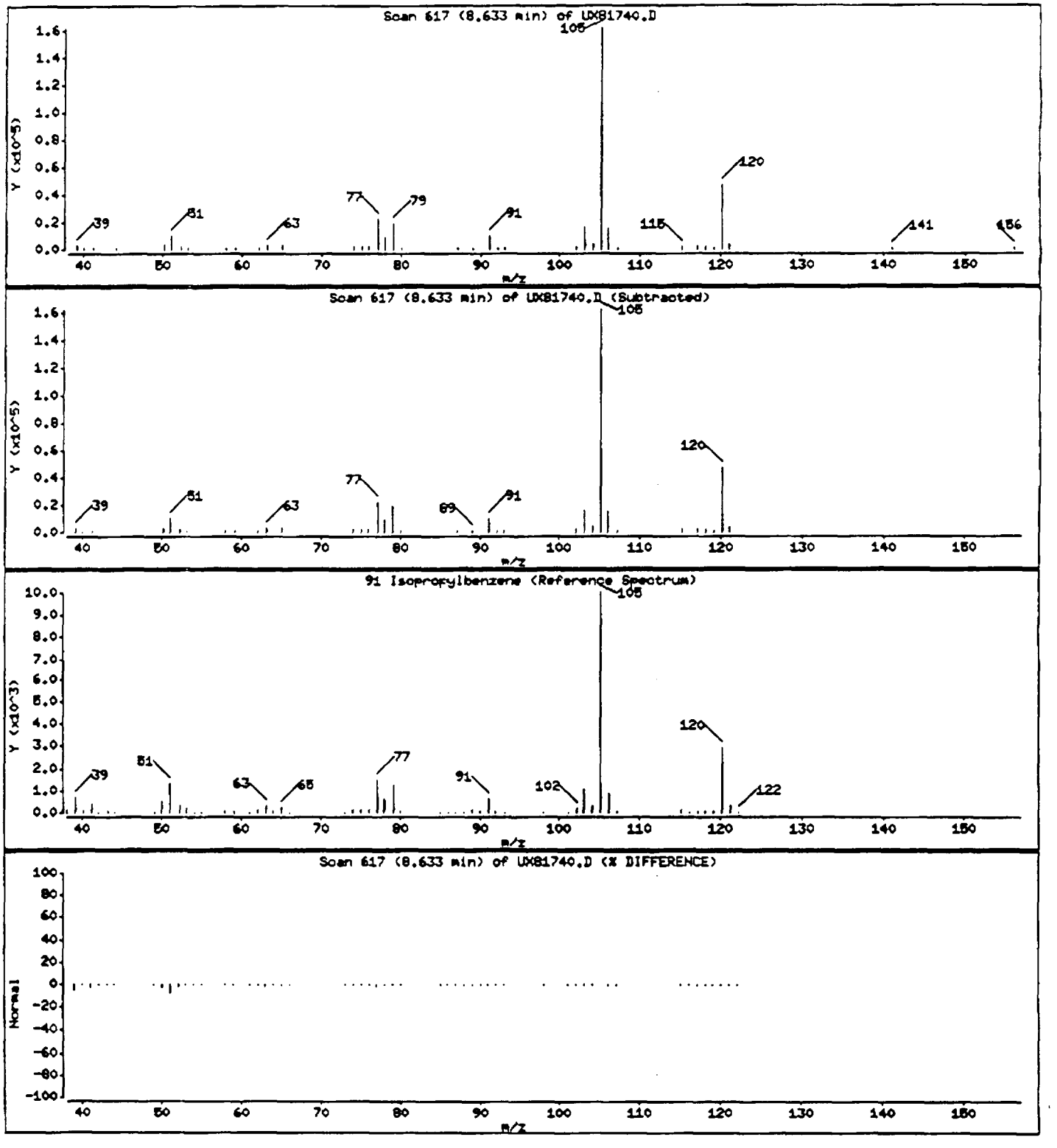
Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

91 Isopropylbenzene

Concentration: 690.26 UG/KG



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: 0K04153

Matrix: (soil/water) SO Lab Sample ID: A0K080242 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF81AA Date Extracted: 11/15/00
Dilution factor: 10 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: DSL-17
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 10 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	5300	J B
71-43-2	Benzene	17000	U
75-27-4	Bromodichloromethane	17000	U
75-25-2	Bromoform	17000	U
74-83-9	Bromomethane	17000	U
78-93-3	2-Butanone	17000	U
75-15-0	Carbon disulfide	17000	U
56-23-5	Carbon tetrachloride	17000	U
108-90-7	Chlorobenzene	17000	U
124-48-1	Dibromochloromethane	17000	U
75-00-3	Chloroethane	17000	U
67-66-3	Chloroform	17000	U
74-87-3	Chloromethane	17000	U
75-34-3	1,1-Dichloroethane	17000	U
107-06-2	1,2-Dichloroethane	17000	U
75-35-4	1,1-Dichloroethene	17000	U
540-59-0	1,2-Dichloroethene (total)	17000	U
78-87-5	1,2-Dichloropropane	17000	U
10061-01-5	cis-1,3-Dichloropropene	17000	U
10061-02-6	trans-1,3-Dichloropropene	17000	U
100-41-4	Ethylbenzene	35000	
591-78-6	2-Hexanone	17000	U
75-09-2	Methylene chloride	17000	U
108-10-1	4-Methyl-2-pentanone	17000	U
100-42-5	Styrene	17000	U
79-34-5	1,1,2,2-Tetrachloroethane	17000	U
127-18-4	Tetrachloroethene	17000	U
108-88-3	Toluene	17000	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF81AA Date Extracted:11/15/00
Dilution factor: 10 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: DSL-17
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 10 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-55-6	1,1,1-Trichloroethane	17000	U
79-00-5	1,1,2-Trichloroethane	17000	U
79-01-6	Trichloroethene	17000	U
75-01-4	Vinyl chloride	17000	U
1330-20-7	Xylenes (total)	200000	

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF81AA Date Extracted:11/15/00
Dilution factor: 10 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: DSL-17
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 10 / uL

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
103-65-1	Benzene, propyl-	9.0342	60000	NJ
622-96-8	Benzene, 1-ethyl-4-methyl-	9.117	340000	NJ
108-67-8	Benzene, 1,3,5-trimethyl-	9.1999	150000	NJ
611-14-3	Benzene, 1-ethyl-2-methyl-	9.401	83000	NJ
526-73-8	Benzene, 1,2,3-trimethyl-	9.5667	260000	NJ
620-14-4	Benzene, 1-ethyl-3-methyl-	9.9808	73000	NJ
135-01-3	Benzene, 1,2-diethyl-	10.182	100000	NJ
874-41-9	Benzene, 1-ethyl-2,4-dimethy	10.264	92000	NJ
99-87-6	Benzene, 1-methyl-4-(1-methy	10.56	58000	NJ
934-80-5	Benzene, 4-ethyl-1,2-dimethy	10.631	65000	NJ
62338-57-2	1,4-Cyclohexadiene, 3-etheny	10.773	30000	NJ
95-93-2	Benzene, 1,2,4,5-tetramethyl	10.939	36000	NJ
488-23-3	Benzene, 1,2,3,4-tetramethyl	11.034	44000	NJ
527-84-4	Benzene, 1-methyl-2-(1-methy	11.081	83000	NJ
2870-04-4	Benzene, 2-ethyl-1,3-dimethy	11.211	54000	NJ
874-35-1	1H-Indene, 2,3-dihydro-5-met	11.353	48000	NJ
874-41-9	Benzene, 1-ethyl-2,4-dimethy	11.507	130000	NJ
2049-95-8	Benzene, (1,1-dimethylpropyl	11.601	33000	NJ
87-85-4	Benzene, hexamethyl-	11.684	34000	NJ
4706-90-5	Benzene, 1,3-dimethyl-5-(1-m	11.874	100000	NJ
4218-48-8	Benzene, 1-ethyl-4-(1-methyl	12.004	65000	NJ
91-20-3	Naphthalene	12.146	160000	NJ
54120-62-6	Benzene, ethyl-1,2,4-trimeth	12.335	50000	NJ
19947-22-9	Benzene, (1-ethyl-2-propenyl	12.394	44000	NJ
6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	12.536	68000	NJ
17057-82-8	1H-Indene, 2,3-dihydro-1,2-d	12.726	89000	NJ

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 004
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF81AA Date Extracted:11/15/00
Dilution factor: 10 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: DSL-17
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 10 / uL

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
4175-53-5	1H-Indene, 2,3-dihydro-1,3-d	12.962	47000	NJ
91-57-6	Naphthalene, 2-methyl-	13.388	360000	NJ
90-12-0	Naphthalene, 1-methyl-	13.625	190000	NJ
4132-72-3	Benzene, 1,4-dimethyl-2-(1-m	12.879	66000	NJ
1127-76-0	Naphthalene, 1-ethyl-	14.725	54000	NJ
98-82-8	Isopropylbenzene	8.643	16000	

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81741.D

Page 9

Date : 15-NOV-2000 22:29

Client ID: DSL-17

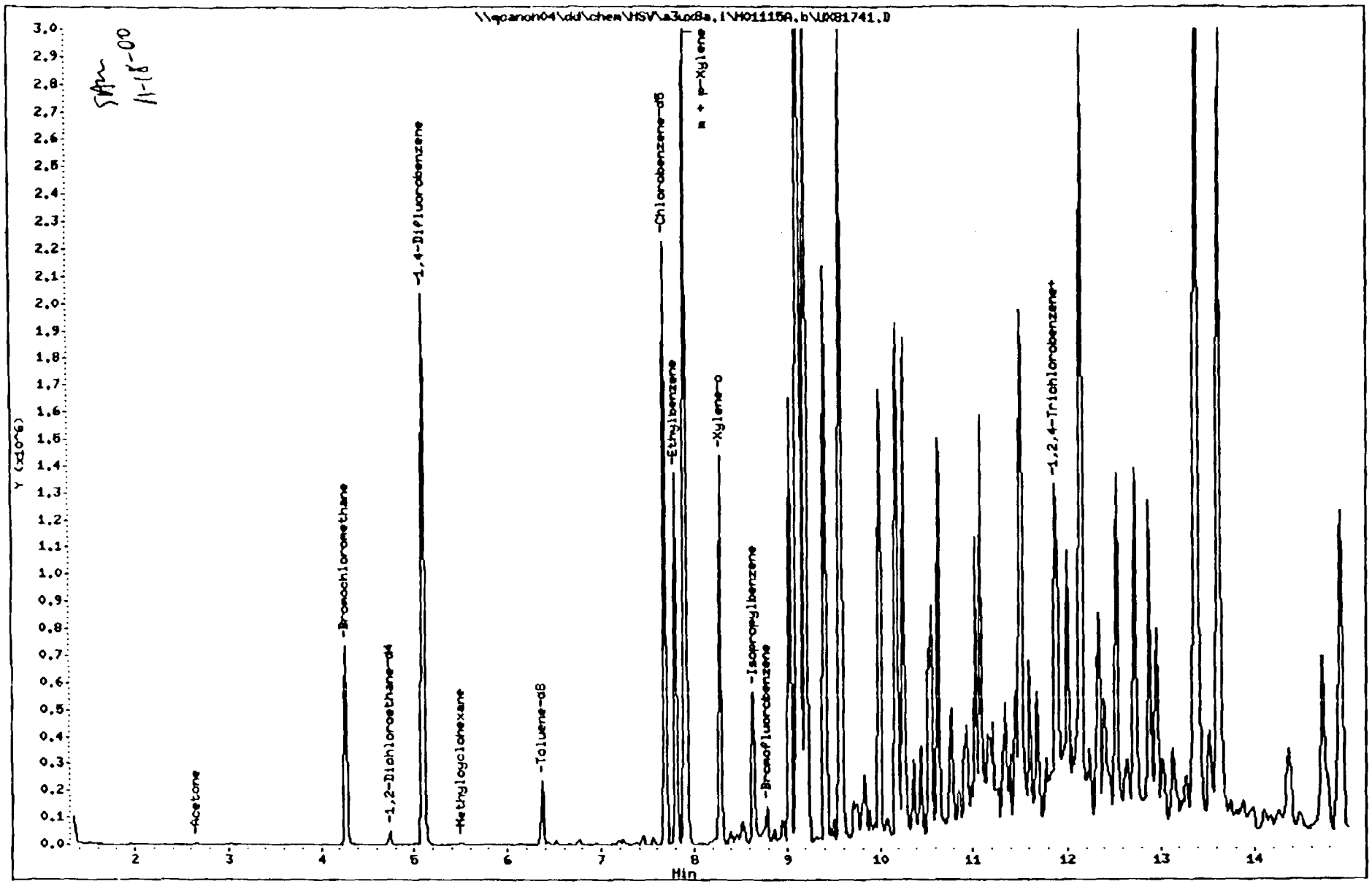
Instrument: a3ux8a.i

Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



SAM 11-18-00

STL North Canton

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81741.D
Lab Smp Id: DPJF81AA Client Smp ID: DSL-17
Inj Date : 15-NOV-2000 22:29
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPJF81AA,,2,10UL/5ML
Misc Info : M01115A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 17-Nov-2000 18:57 mccroryj Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	10.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.265	4.266	(1.000)	296217	250.000	
* 2 1,4-Difluorobenzene	114	5.093	5.094	(1.000)	2028006	250.000	
* 3 Chlorobenzene-d5	117	7.685	7.686	(1.000)	1619211	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.738	4.739	(1.111)	37934	22.7026	5675.6
$ 5 Toluene-d8	98	6.371	6.372	(0.829)	187062	22.0937	5523.4
$ 6 Bromofluorobenzene	95	8.785	8.786	(1.143)	61701	22.2268	5556.7
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	Compound Not Detected.					
14 Acetone	43	2.656	2.657	(0.623)	5332	15.2939	3823.5
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	7.803	7.804	(1.015)	385360	100.894	25224
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.910	7.910	(1.029)	1953306	429.323	107330
	44 Xylene-o	106	8.288	8.289	(1.079)	465911	114.905	28726
M	80 Xylenes (total)	106				2439217	576.810	144200
	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.					
	90 Cyclohexane	56	Compound Not Detected.					
	92 Methyl Acetate	43	Compound Not Detected.					
	93 Methylcyclohexane	83	5.496	5.497	(1.079)	3933	0.93293	233.23(a)
	94 1,2,4-Trichlorobenzene	180	11.909	11.910	(1.550)	1155	0.56404	141.01(a)
	91 Isopropylbenzene	105	8.643	8.644	(1.125)	491949	46.4884	11622(a)
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanon04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81741.D

Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

Sample Info: DPJF81AA,,2,10UL/5ML

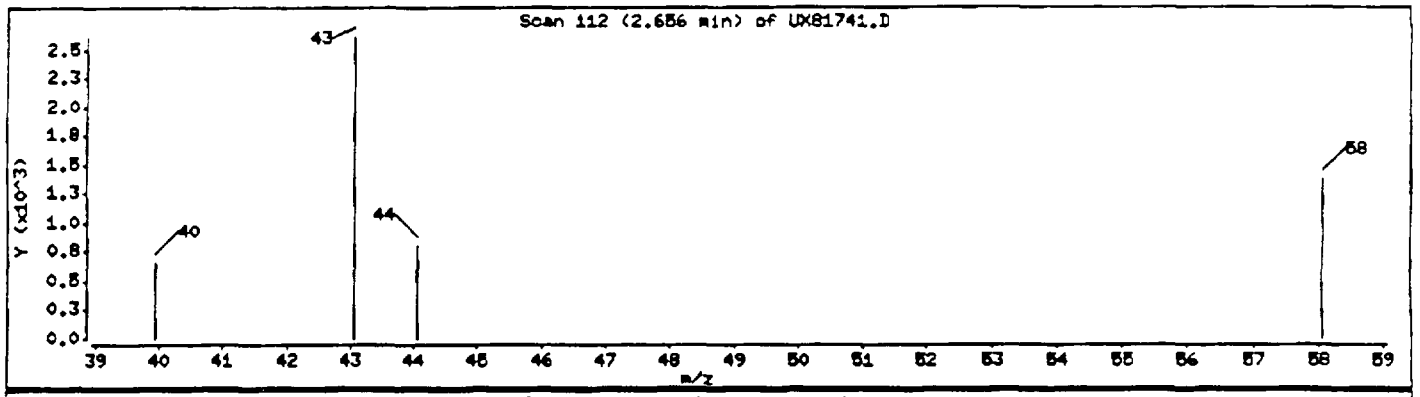
Operator: 2807

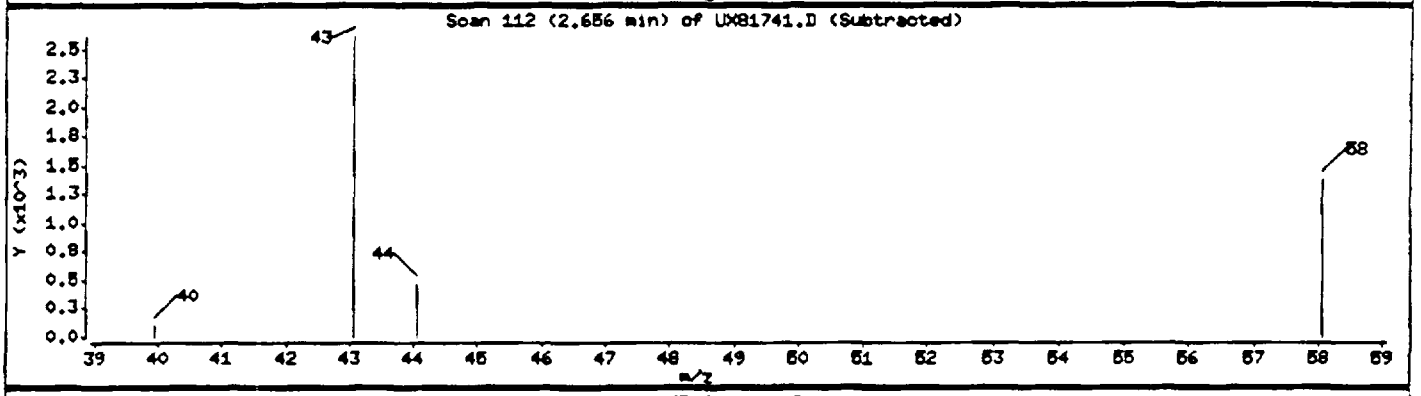
Column phase: DB624 20m

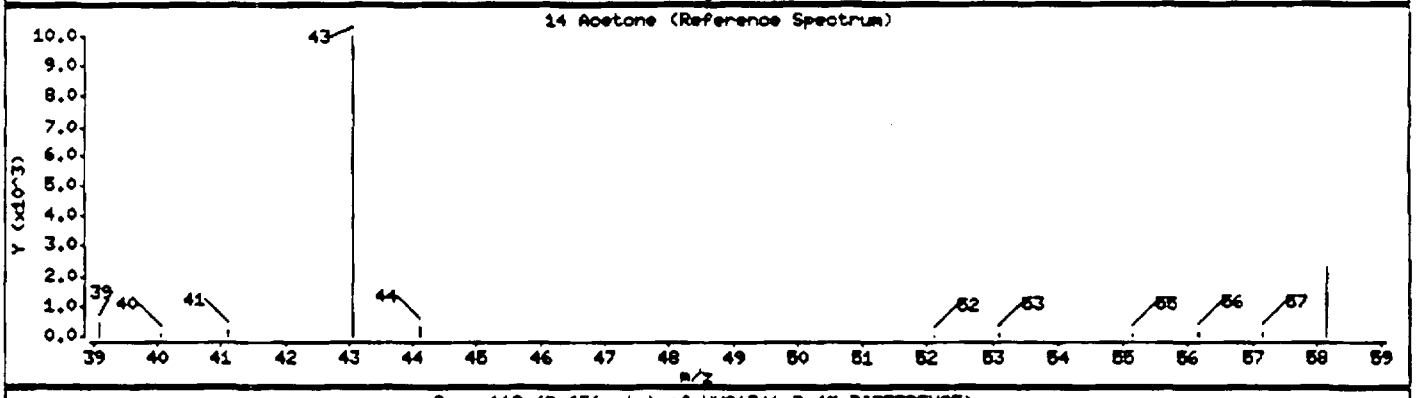
Column diameter: 0.18

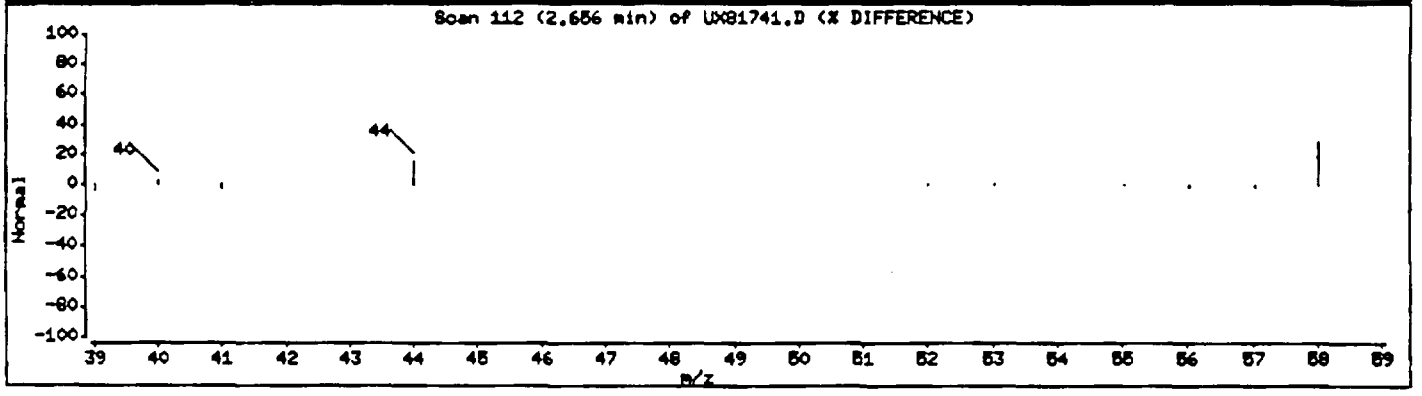
14 Acetone

Concentration: 3823.5 UG/KG









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

Sample Info: DPJFB1AA,,2.10UL/5ML

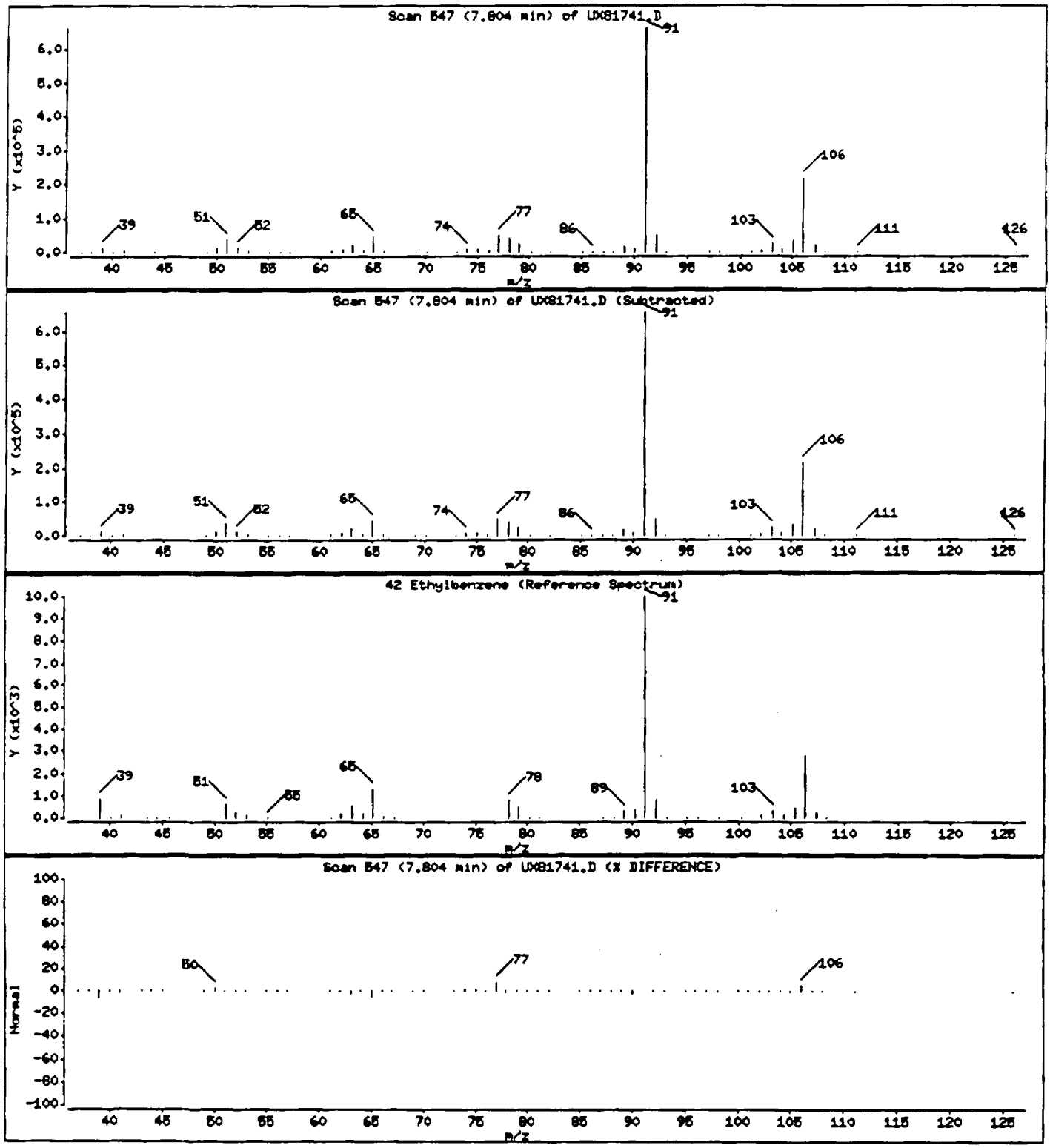
Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

42 Ethylbenzene

Concentration: 25224 UG/KG



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

Sample Info: DPJF814A,,2,10UL/5ML

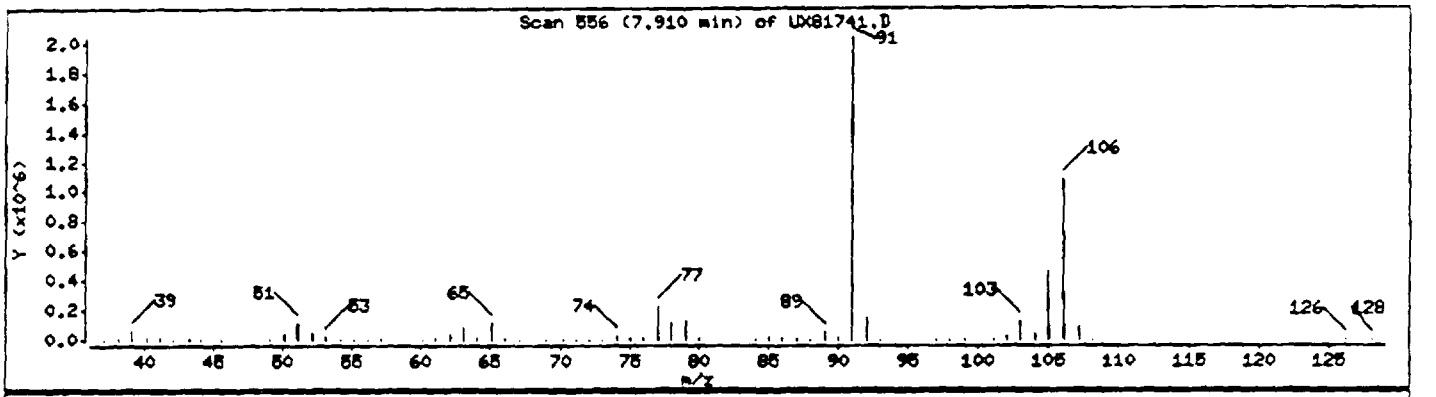
Operator: 2807

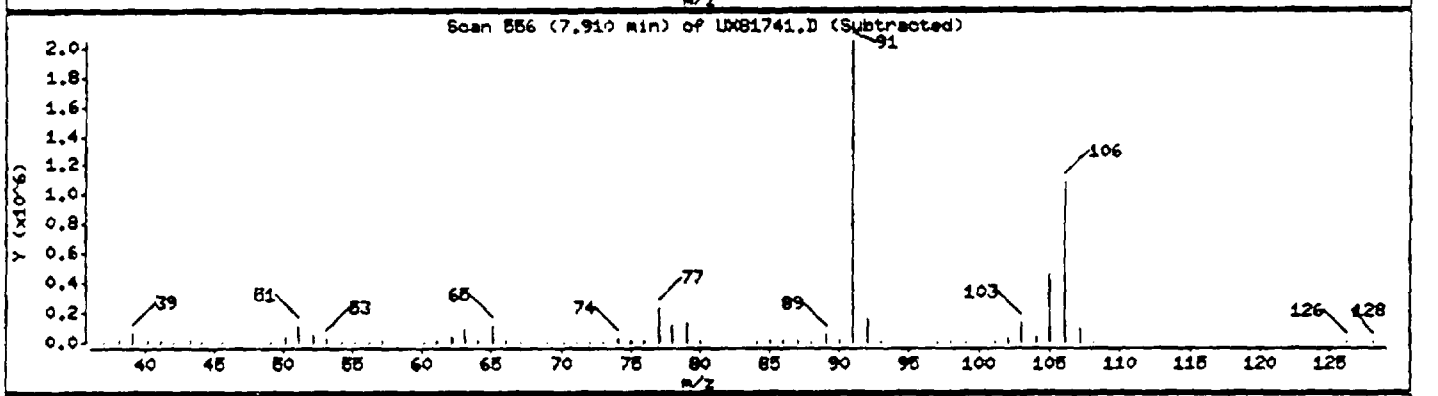
Column phase: DB624 20m

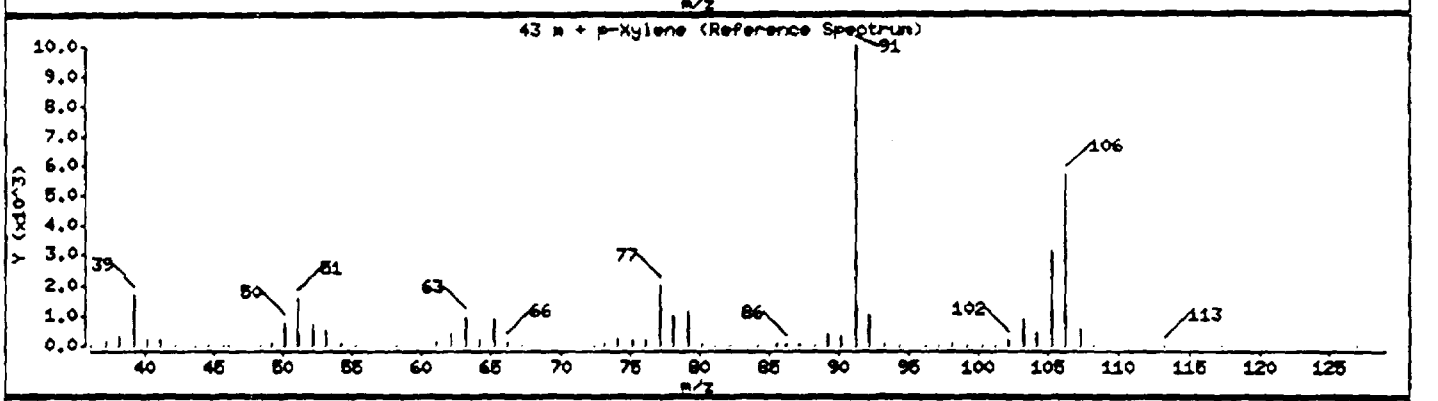
Column diameter: 0.18

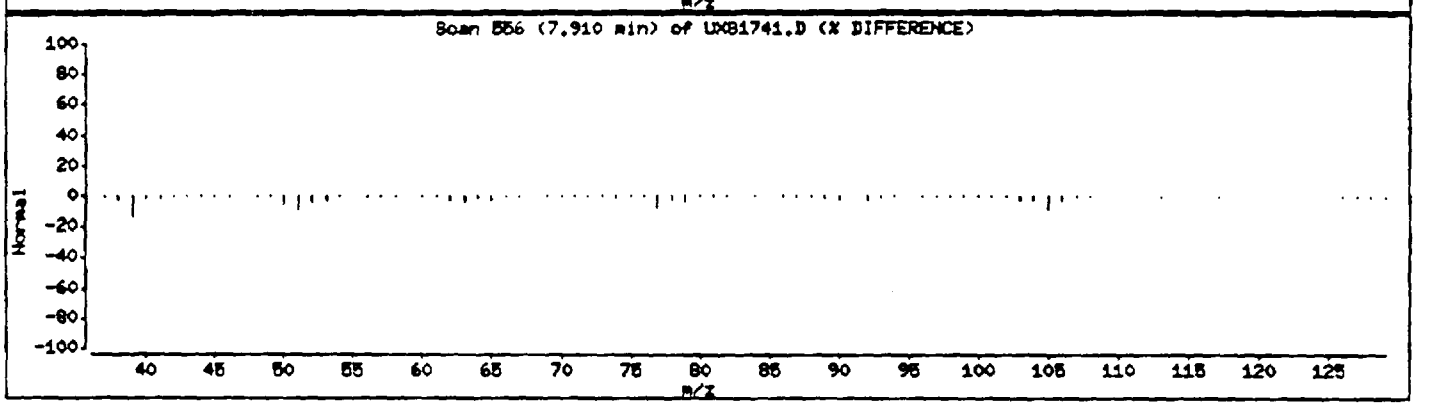
43 m + p-Xylene

Concentration: 107330 UG/KG









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

Sample Info: DPJF81AA,,2,10UL/EHL

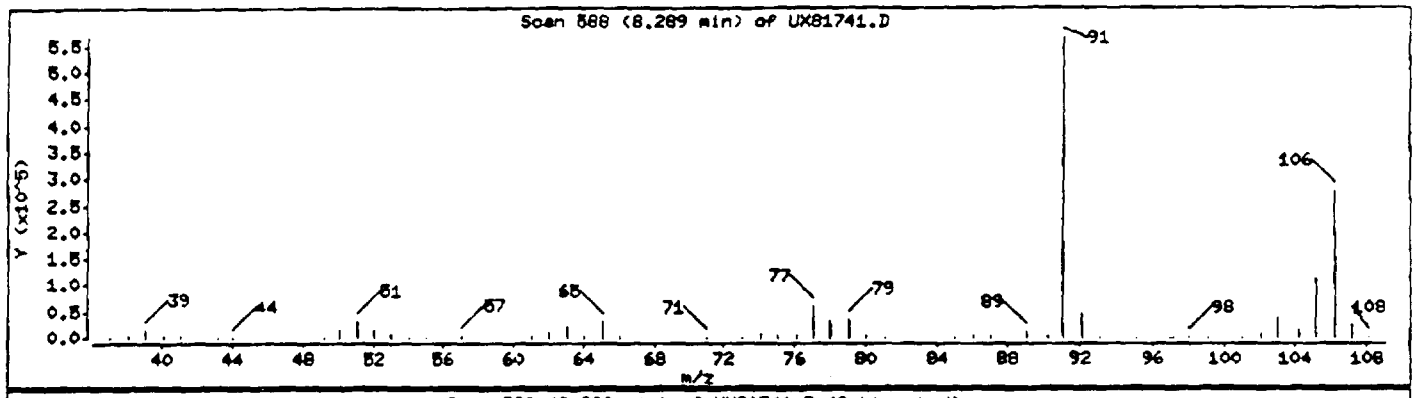
Operator: 2807

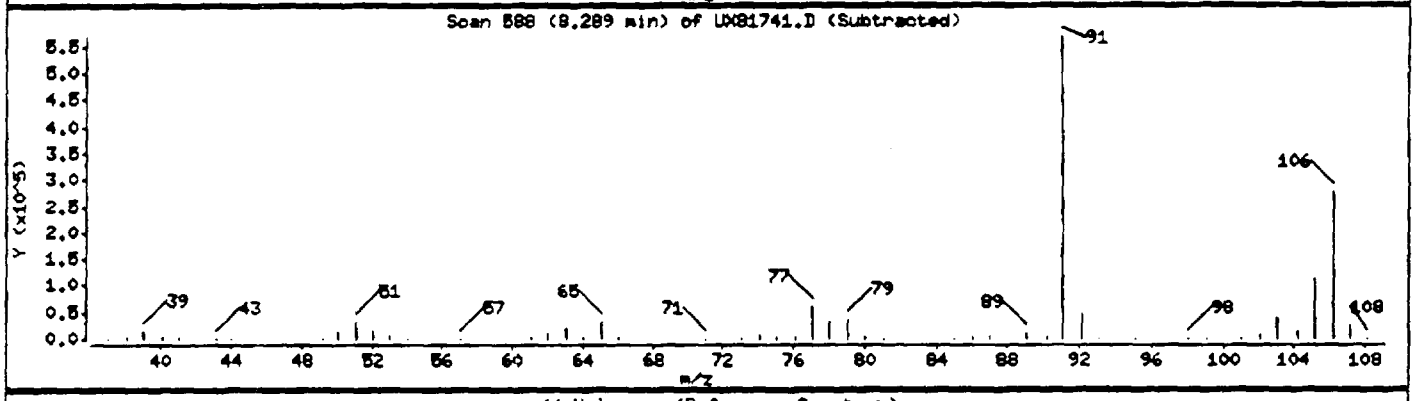
Column phase: DB624 20m

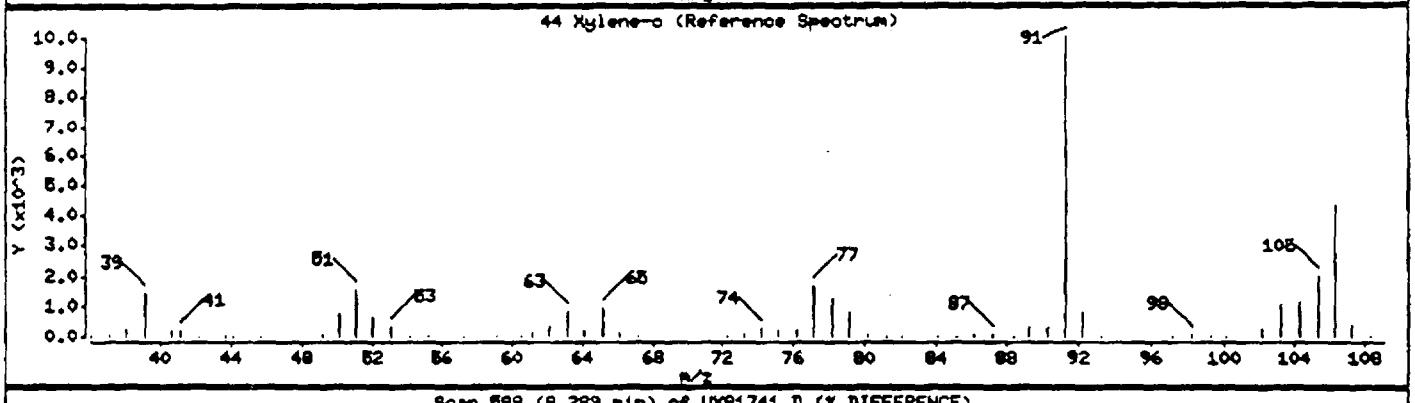
Column diameter: 0.18

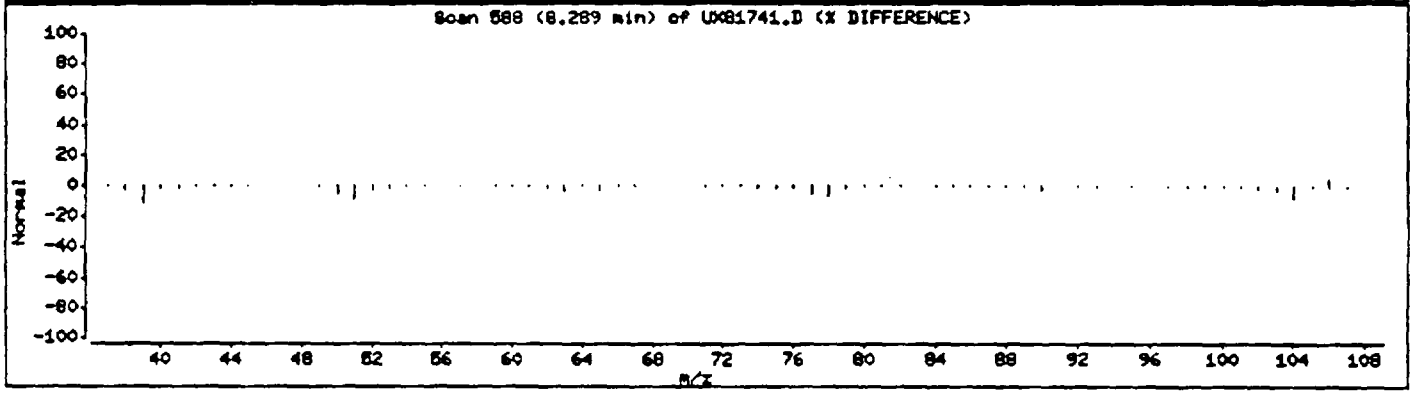
44 Xylene-o

Concentration: 28726 UG/KG









STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81741.D
Lab Smp Id: DPJF81AA Client Smp ID: DSL-17
Inj Date : 15-NOV-2000 22:29
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPJF81AA,,2,10UL/5ML
Misc Info : M01115A,8240LCLPUX8,,2807
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 17-Nov-2000 18:57 mccroryj Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	10.000	Amount of extract
Vt	10000.000	Final extraction Vol

ISTD	RT	AREA	AMOUNT
* 3 Chlorobenzene-d5	7.685	4007796	250.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(UG/KG)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, propyl-					CAS #: 103-65-1		
9.034	2812373	175.431397	43858	86	NBS75K.1	64582	3
Benzene, 1-ethyl-4-methyl-					CAS #: 622-96-8		
9.117	15855197	989.022208	247260	91	NBS75K.1	3770	3(L)

RT	AREA	CONCENTRATIONS ON-COL(ng)	CONCENTRATIONS FINAL(UG/KG)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	CPND #
Benzene, 1,3,5-trimethyl-				CAS #: 108-67-8			
9.200	7125962	444.506282	111130	95	NBS75K.1	64569	3
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
9.401	3854026	240.408070	60102	93	NBS75K.1	64557	3
Benzene, 1,2,3-trimethy--				CAS #: 526-73-8			
9.567	11913763	743.161765	185790	95	NBS75K.1	64574	3(L)
Benzene, 1-ethyl-3-methyl-				CAS #: 620-14-4			
9.981	3387812	211.326375	52832	94	NBS75K.1	64563	3(L)
Benzene, 1,2-diethyl-				CAS #: 135-01-3			
10.182	4896076	305.409507	76352	76	NBS75K.1	65562	3
Benzene, 1-ethyl-2,4-dimethyl-				CAS #: 874-41-9			
10.265	4273930	266.601020	66650	91	NBS75K.1	6221	3
Benzene, 1-methyl-4-(1-methylethyl)-				CAS #: 99-87-6			
10.561	2713296	169.251130	42313	94	NBS75K.1	65535	3(L)
Benzene, 4-ethyl-1,2-dimethyl-				CAS #: 934-80-5			
10.632	3012566	187.919121	46980	96	NBS75K.1	65569	3
1,4-Cyclohexadiene, 3-ethenyl-1,2-dimeth				CAS #: 62338-57-2			
10.774	1424029	88.8286854	22207	53	NBS75K.1	6196	3
Benzene, 1,2,4,5-tetramethyl-				CAS #: 95-93-2			
10.939	1679200	104.745850	26186	87	NBS75K.1	65576	3
Benzene, 1,2,3,4-tetramethyl-				CAS #: 488-23-3			
11.034	2038053	127.130535	31783	97	NBS75K.1	65540	3
Benzene, 1-methyl-2-(1-methylethyl)-				CAS #: 527-84-4			
11.081	3887083	242.470113	60618	95	NBS75K.1	65581	3
Benzene, 2-ethyl-1,3-dimethyl-				CAS #: 2870-04-4			
11.211	2518029	157.070682	39268	70	NBS75K.1	6200	3
1H-Indene, 2,3-dihydro-5-methyl-				CAS #: 874-35-1			
11.353	2231672	139.208183	34802	91	NBS75K.1	5885	3
Benzene, 1-ethyl-2,4-dimethyl-				CAS #: 874-41-9			
11.507	6090716	379.929268	94982	64	NBS75K.1	65572	3(L)

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(UG/KG)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzene, (1,1-dimethylpropyl)-					CAS #: 2049-95-8		
11.602	1534246	95.7038482	23926	83	NBS75K.1	66630	3
Benzene, hexamethyl-					CAS #: 87-85-4		
11.685	1597825	99.6698060	24917	58	NBS75K.1	67703	3
Benzene, 1,3-dimethyl-5-(1-methylethyl)-					CAS #: 4706-90-5		
11.874	4745035	295.987807	73997	87	NBS75K.1	9379	3(L)
Benzene, 1-ethyl-4-(1-methylethyl)-					CAS #: 4218-48-8		
12.004	3027674	188.861534	47215	81	NBS75K.1	66622	3
Naphthalene					CAS #: 91-20-3		
12.146	7341650	457.960560	114490	91	NBS75K.1	65151	3
Benzene, ethyl-1,2,4-trimethyl-					CAS #: 54120-62-6		
12.336	2333754	145.575898	36394	68	NBS75K.1	9394	3
Benzene, (1-ethyl-2-propenyl)-					CAS #: 19947-22-9		
12.395	2053813	128.113619	32028	47	NBS75K.1	8975	3
1H-Indene, 2,3-dihydro-4,7-dimethyl-					CAS #: 6682-71-9		
12.537	3152870	196.671063	49168	95	NBS75K.1	8955	3
1H-Indene, 2,3-dihydro-1,2-dimethyl-					CAS #: 17057-82-8		
12.726	4142837	258.423645	64606	86	NBS75K.1	8947	3
Benzene, 1,4-dimethyl-2-(1-methylethyl)-					CAS #: 4132-72-3		
12.880	3078159	192.010709	48003	83	NBS75K.1	9382	3(L)
1H-Indene, 2,3-dihydro-1,3-dimethyl-					CAS #: 4175-53-5		
12.963	2179549	135.956833	33989	90	NBS75K.1	8968	3(L)
Naphthalene, 2-methyl-					CAS #: 91-57-6		
13.389	16656200	1038.98751	259750	91	NBS75K.1	66237	3
Naphthalene, 1-methyl-					CAS #: 90-12-0		
13.625	8989110	560.726519	140180	94	NBS75K.1	66233	3
Naphthalene, 1-ethyl-					CAS #: 1127-76-0		
14.726	2504508	156.227263	39057	93	NBS75K.1	67342	3

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\mcanch04\dd\chem\MSV\a3ux8a.i\H011154.b\UX81741.D

Date : 15-NOV-2009 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

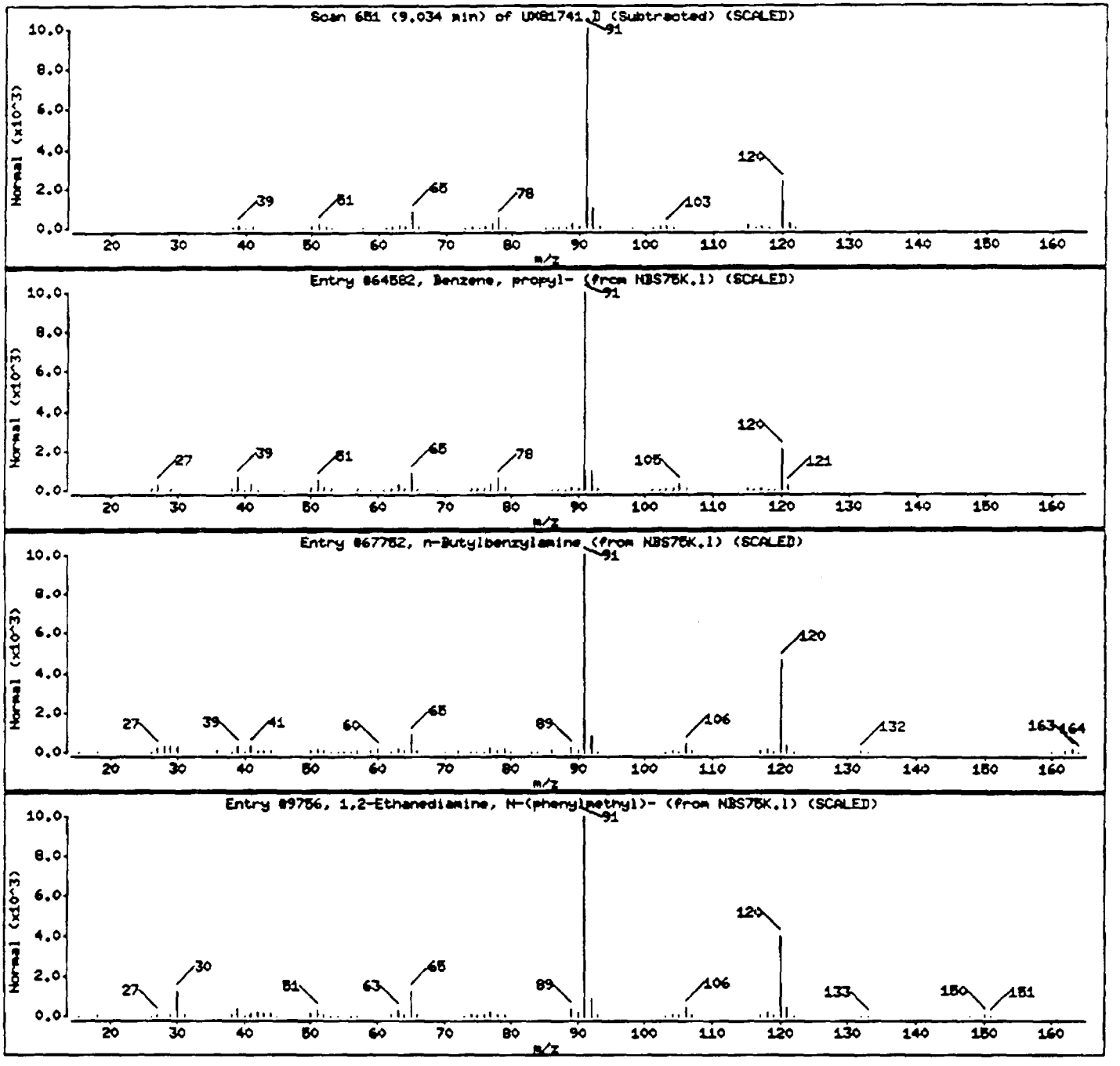
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NBS75K.l	64582	86	C9H12	120
n-Butylbenzylamine	2403-22-7	NBS75K.l	67752	64	C11H17N	163
1,2-Ethanediamine, N-(phenylmethyl)-	4152-09-4	NBS75K.l	9756	64	C9H14N2	150



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Date : 15-NOV-2000 22:29

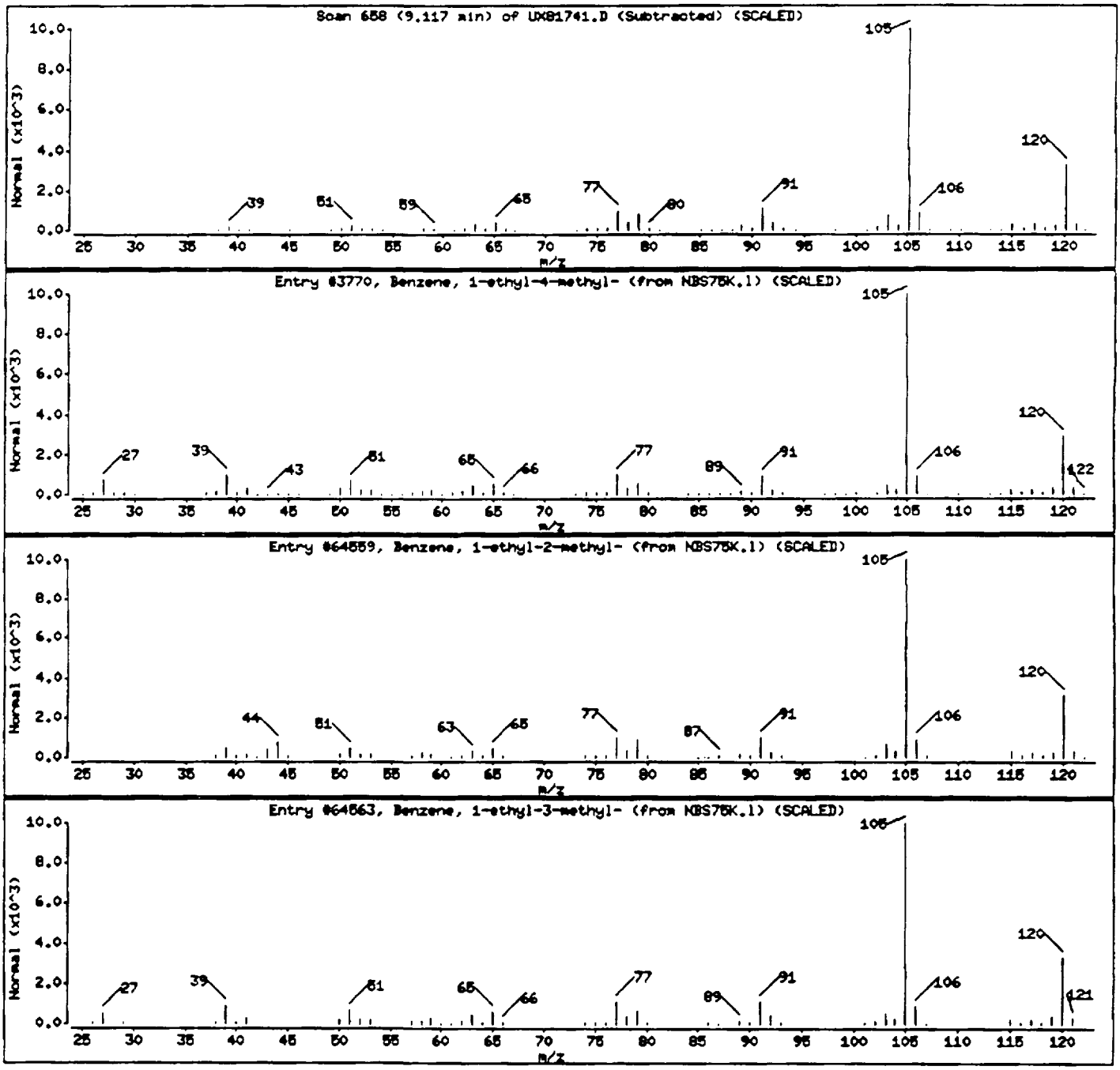
Client ID: DSL-17 Instrument: a3ux8a.i

Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	3770	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64559	95	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

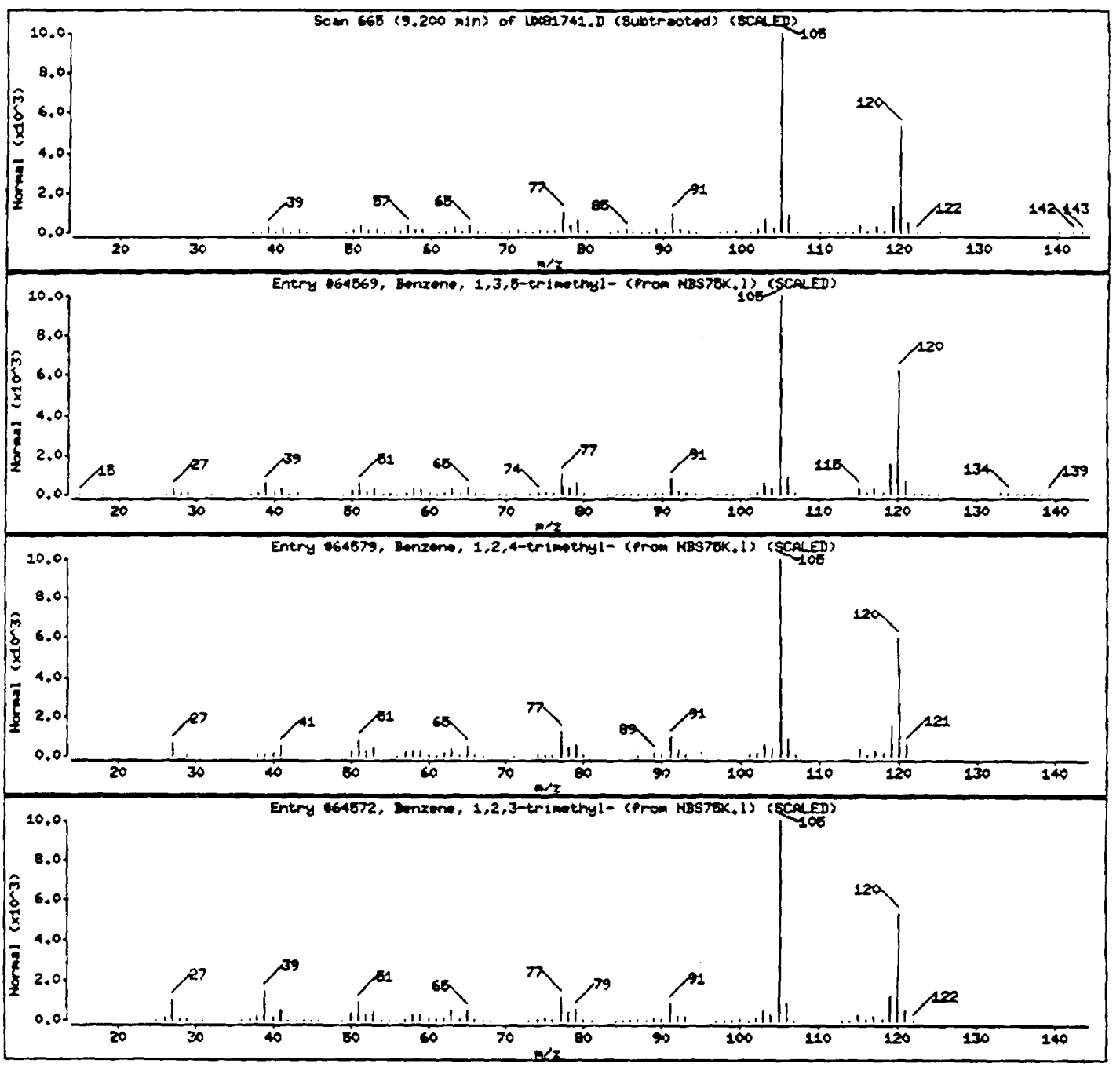
Sample Info: DPJFB1AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64569	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.l	64579	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64572	91	C9H12	120



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3uxBa.i

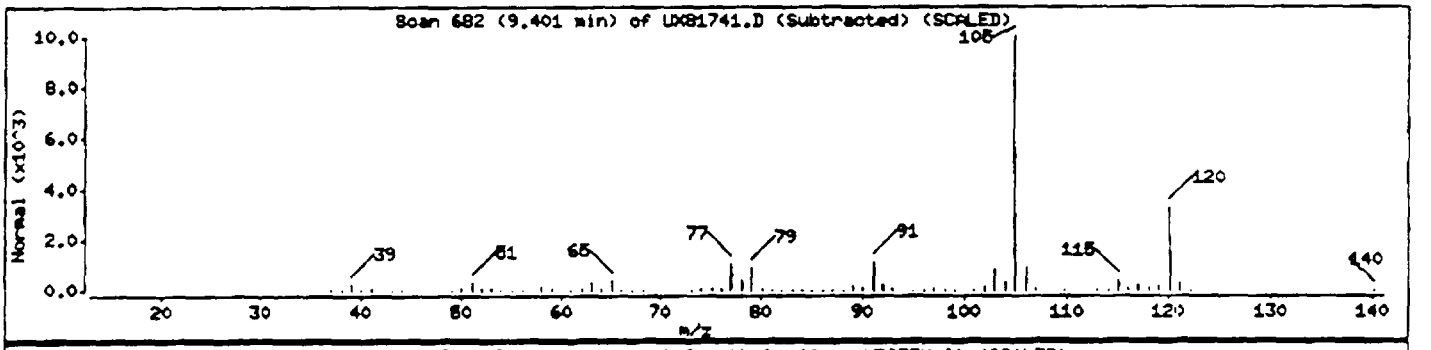
Sample Info: DPJFB1AA,,2,10UL/5ML

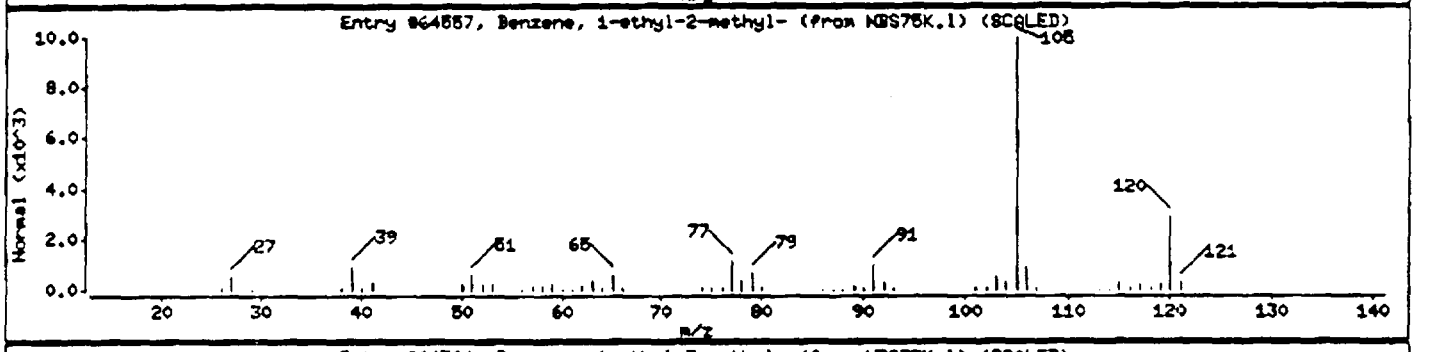
Operator: 2807

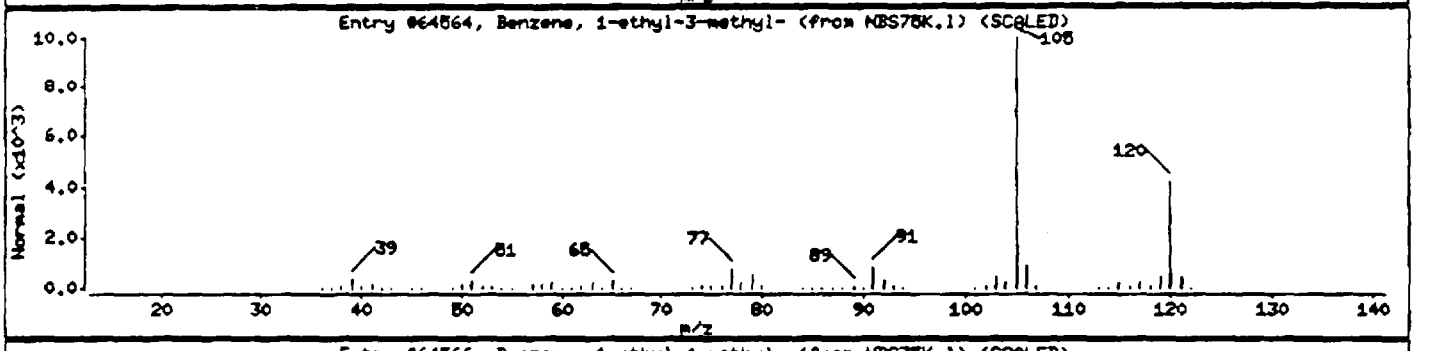
Column phase: DB624 20m

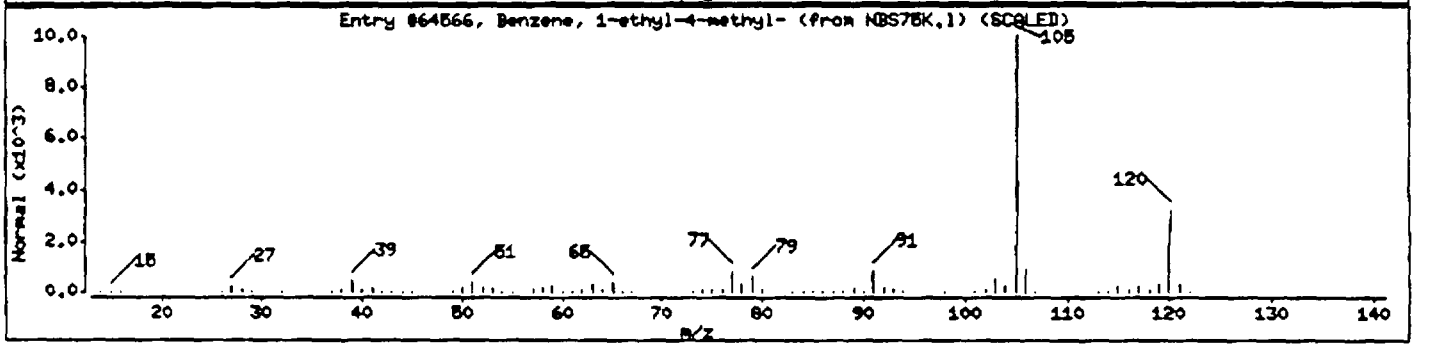
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64557	93	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.1	64564	90	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.1	64566	90	C9H12	120









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

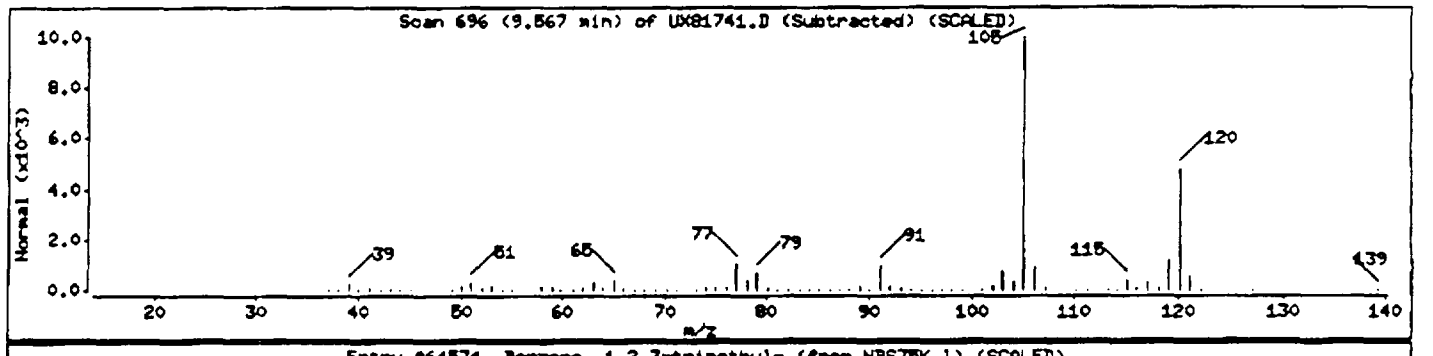
Sample Info: DPJF81AA,,2,10UL/5ML

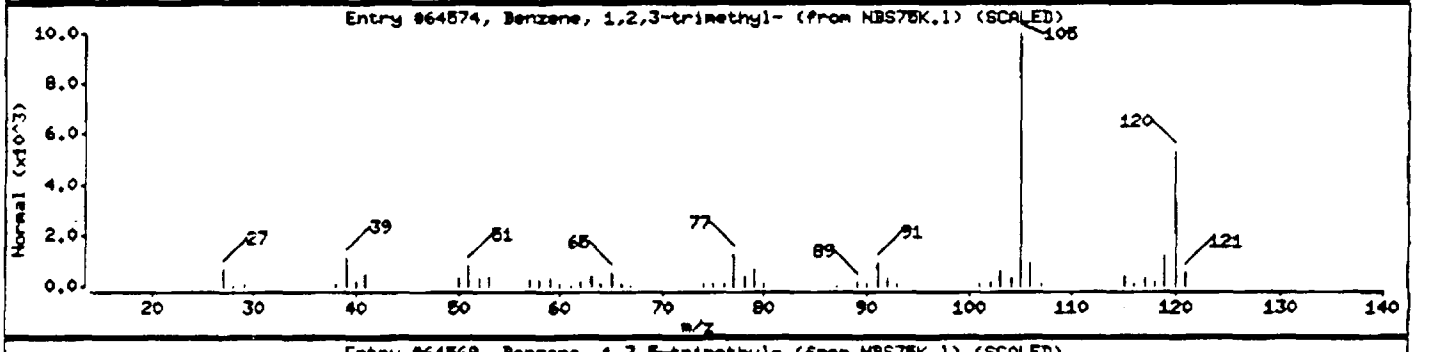
Operator: 2807

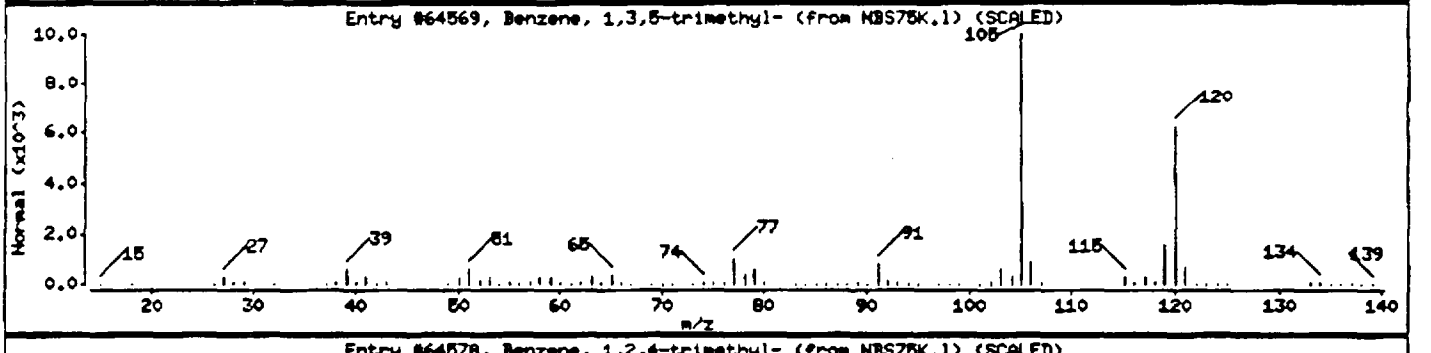
Column phase: DB624 20m

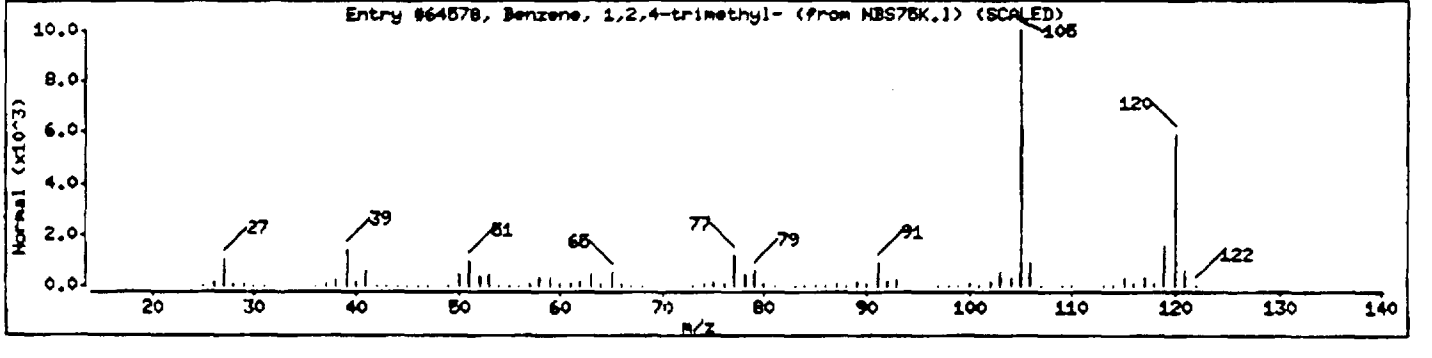
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	64574	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.1	64569	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.1	64578	94	C9H12	120









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Date : 16-NOV-2000 22:29

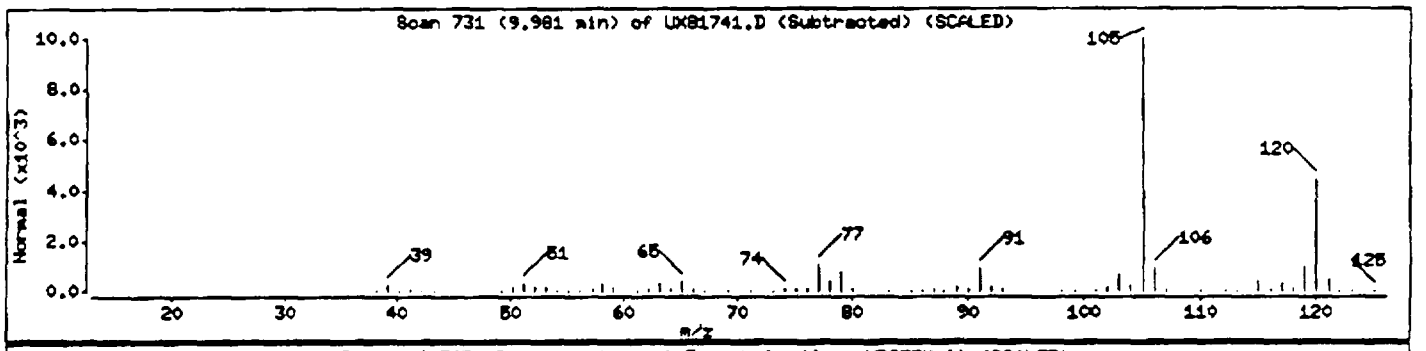
Client ID: DSL-17 Instrument: a3ux8a.i

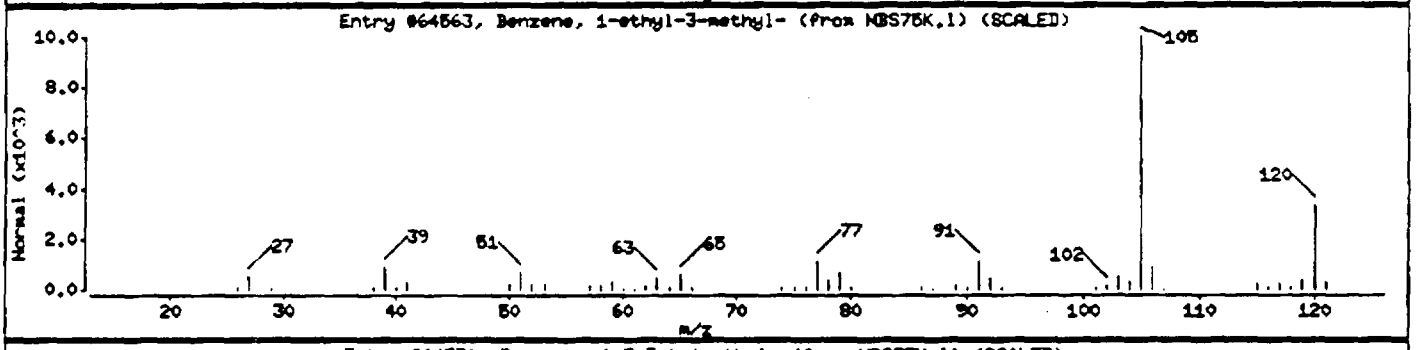
Sample Info: DPJF81AA,,2,10UL/5ML

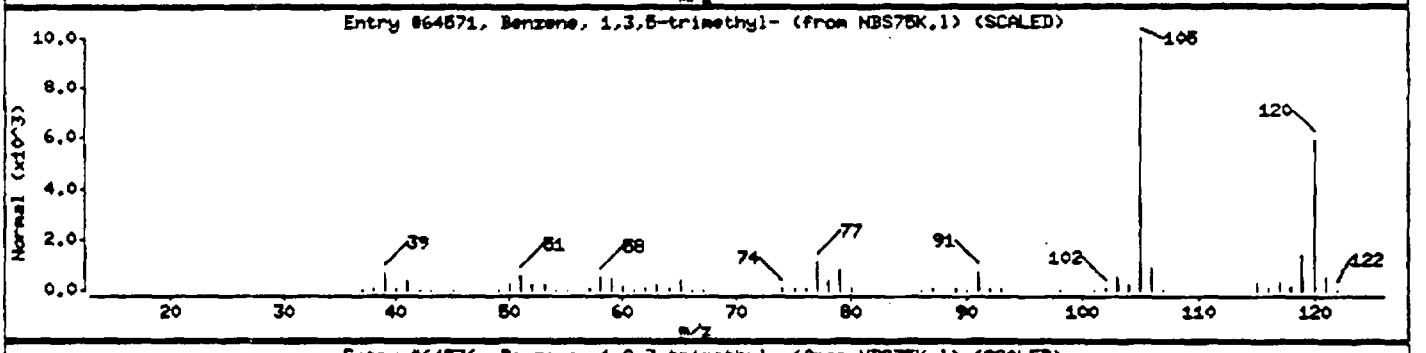
Operator: 2807

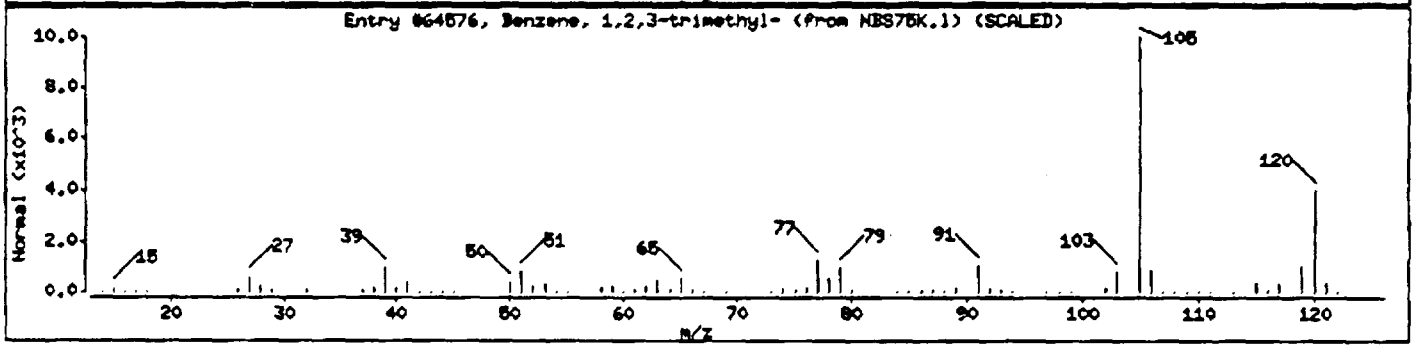
Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64571	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64576	94	C9H12	120









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

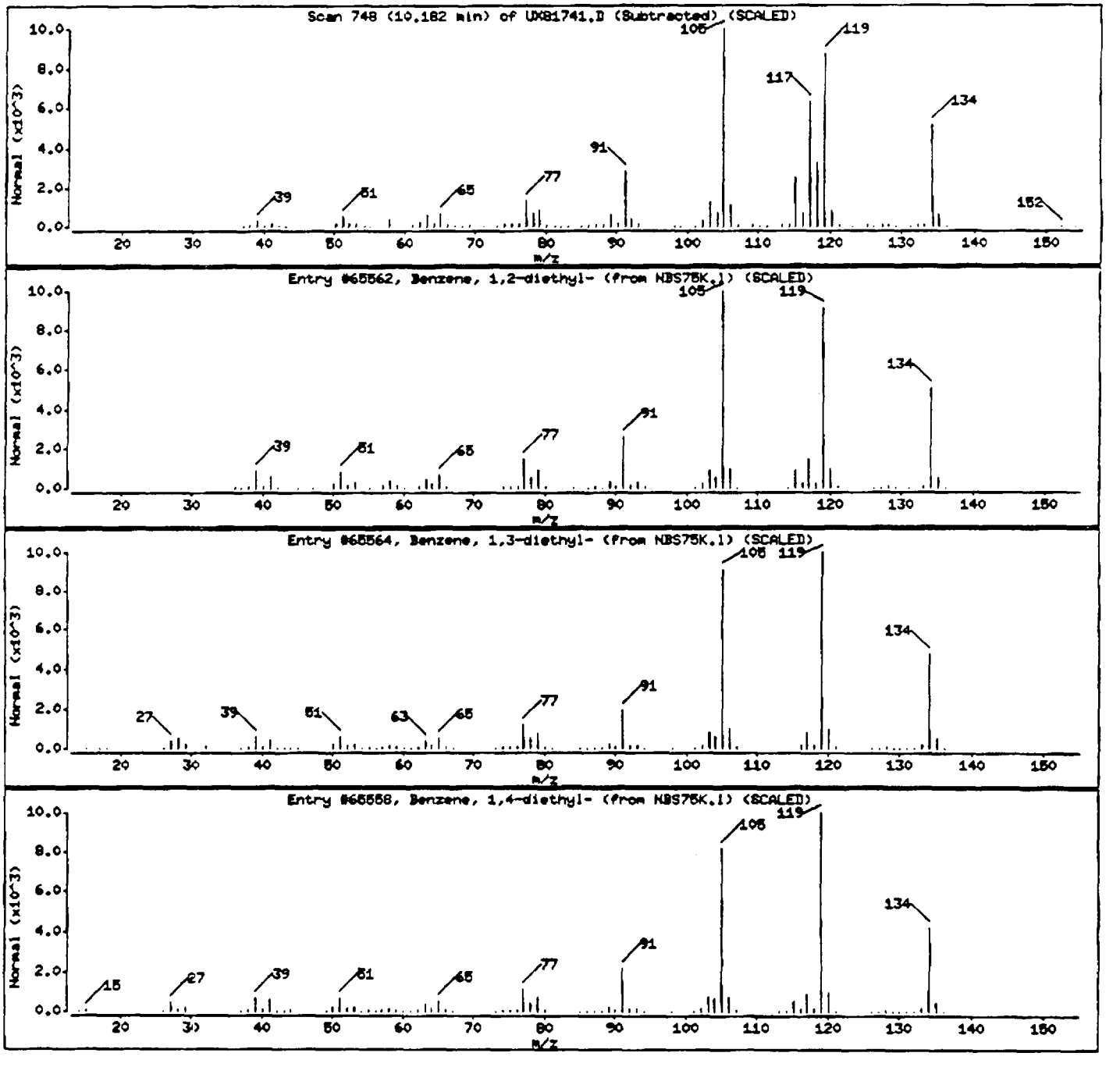
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	76	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65564	70	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65558	70	C10H14	134



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Date : 15-NOV-2000 22:29

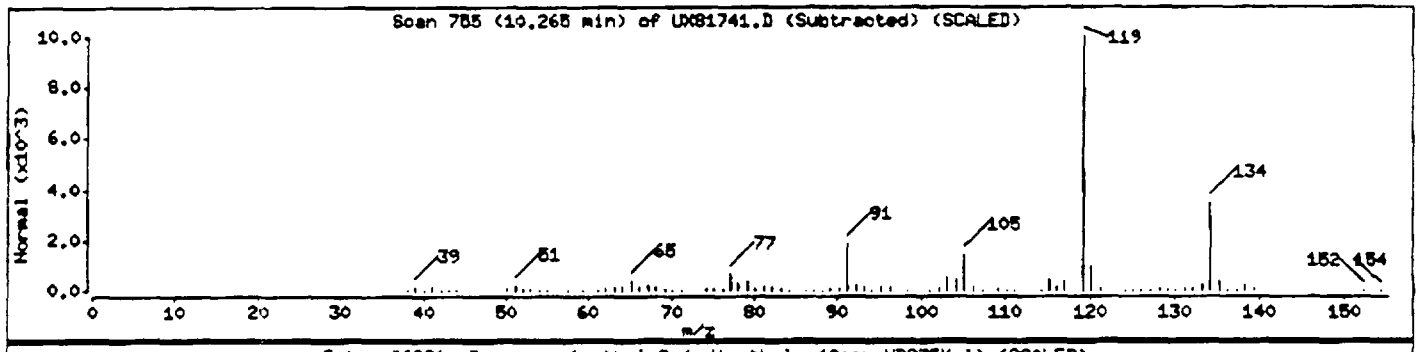
Client ID: DSL-17 Instrument: a3ux8a.i

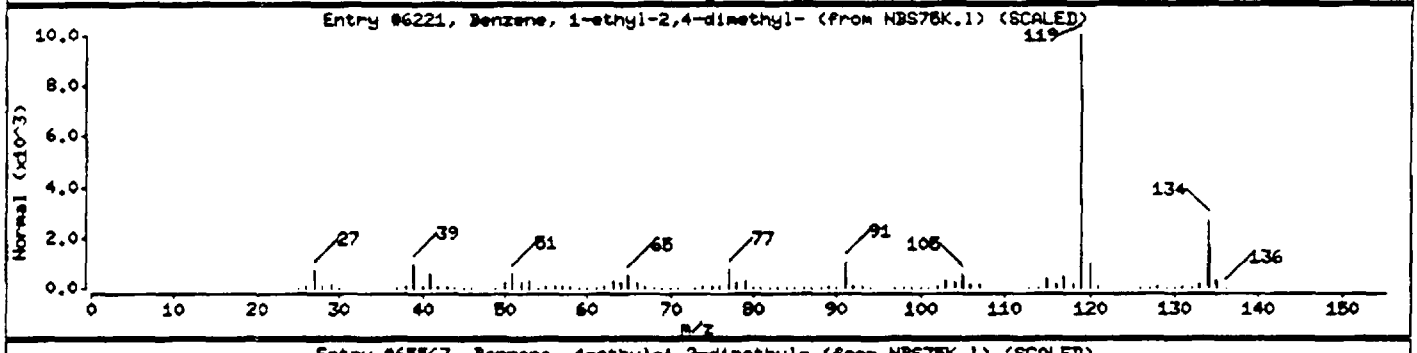
Sample Info: DPJF81AA,,2,10UL/5ML

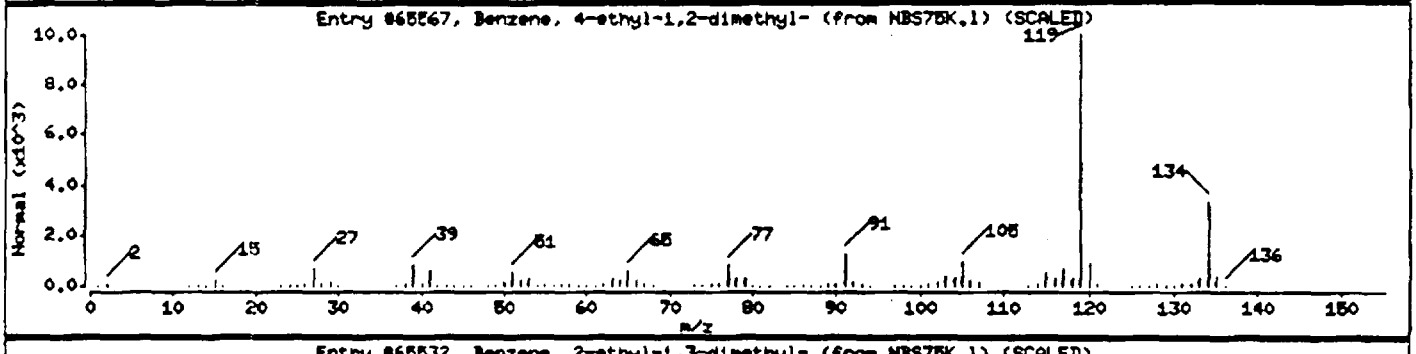
Operator: 2807

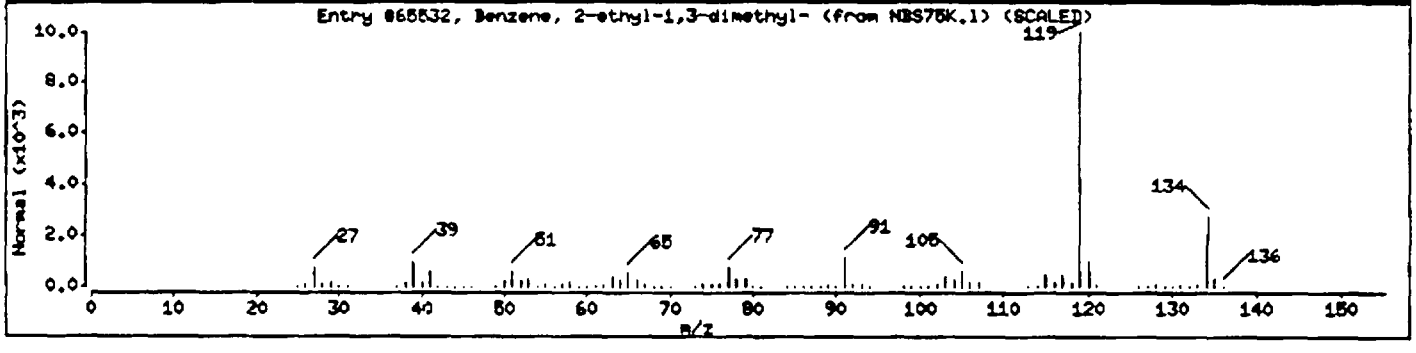
Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	6221	91	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65567	91	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NBS75K.l	65532	91	C10H14	134









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

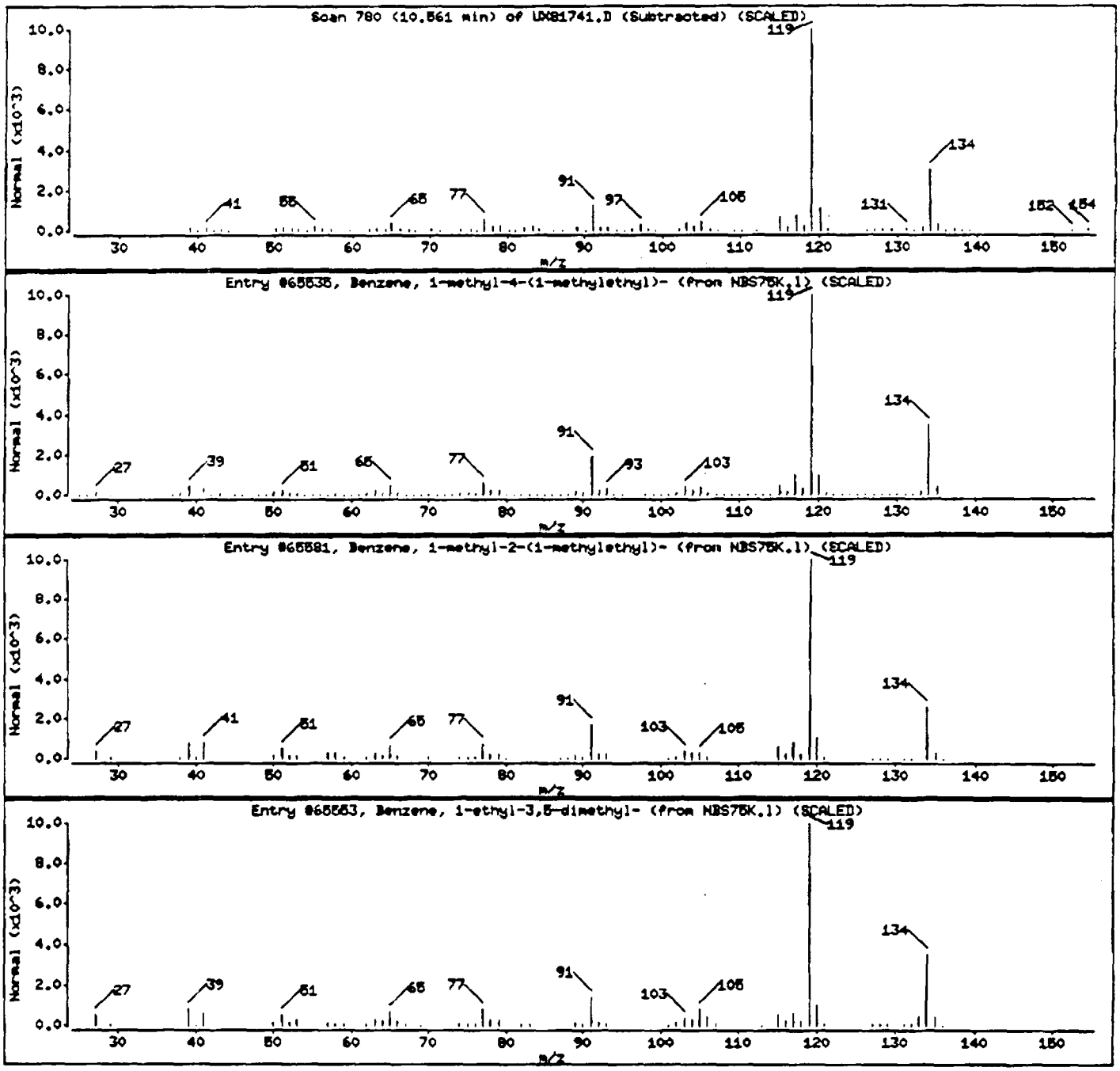
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	94	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	94	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.l	65553	91	C10H14	134



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

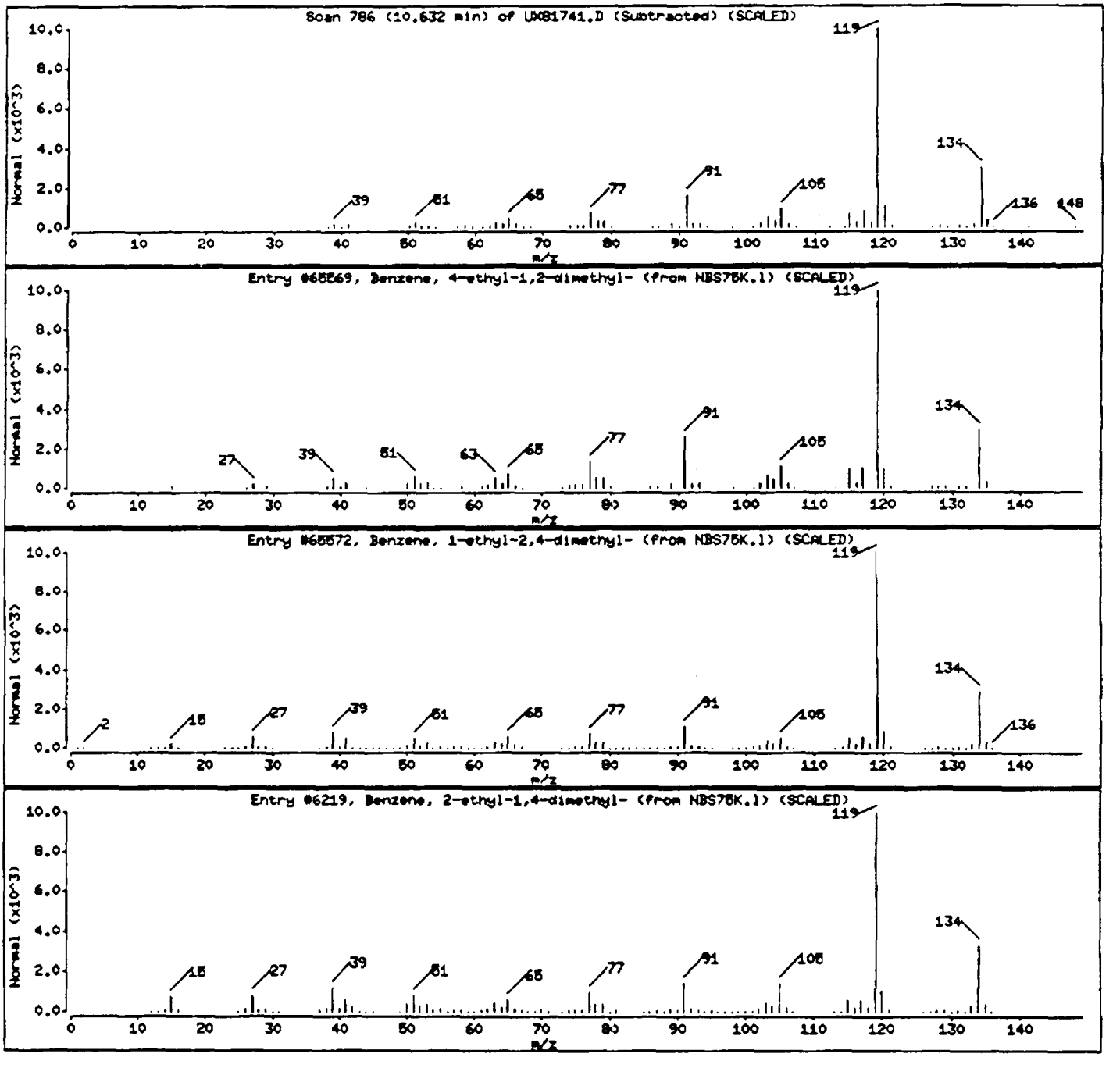
Sample Info: DPJF81AA,,2,10UL/5HL

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65572	95	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	6219	95	C10H14	134



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

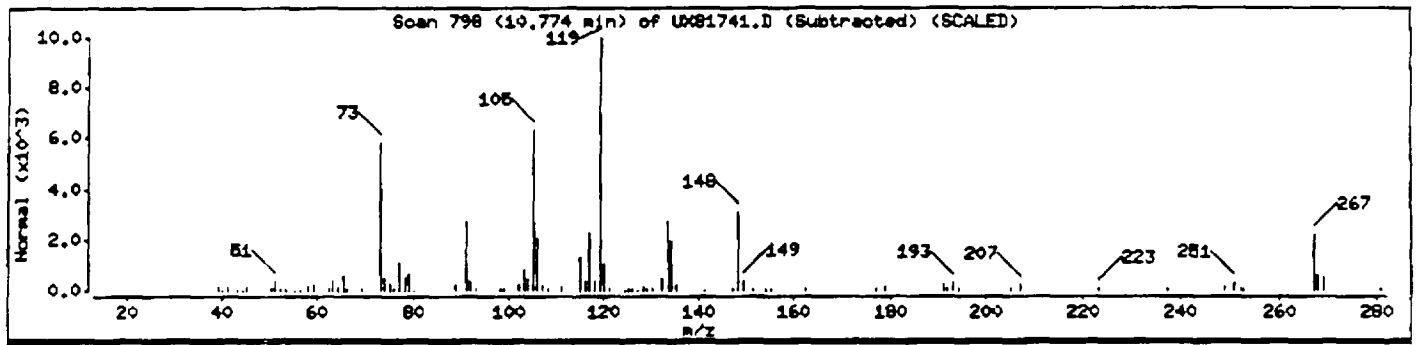
Sample Info: DPJF81AA,,2,10UL/5ML

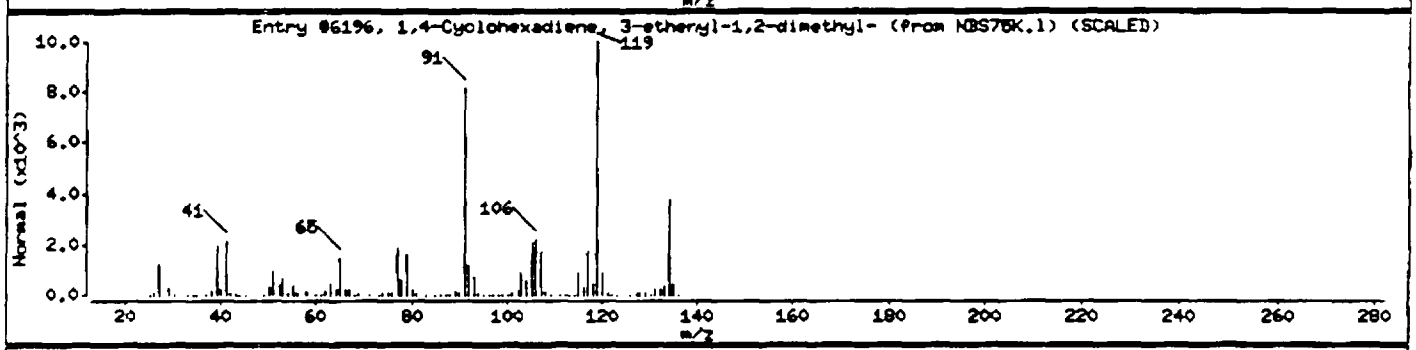
Operator: 2807

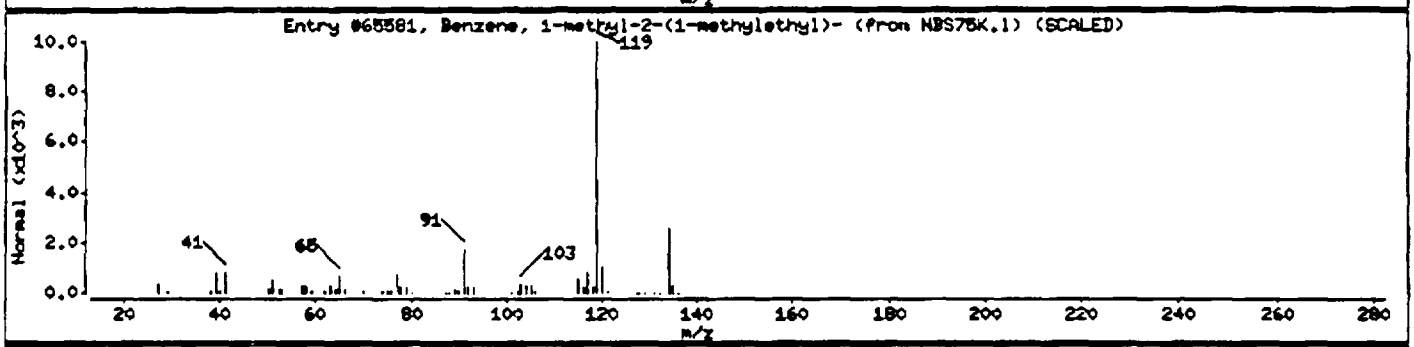
Column phase: DB624 20m

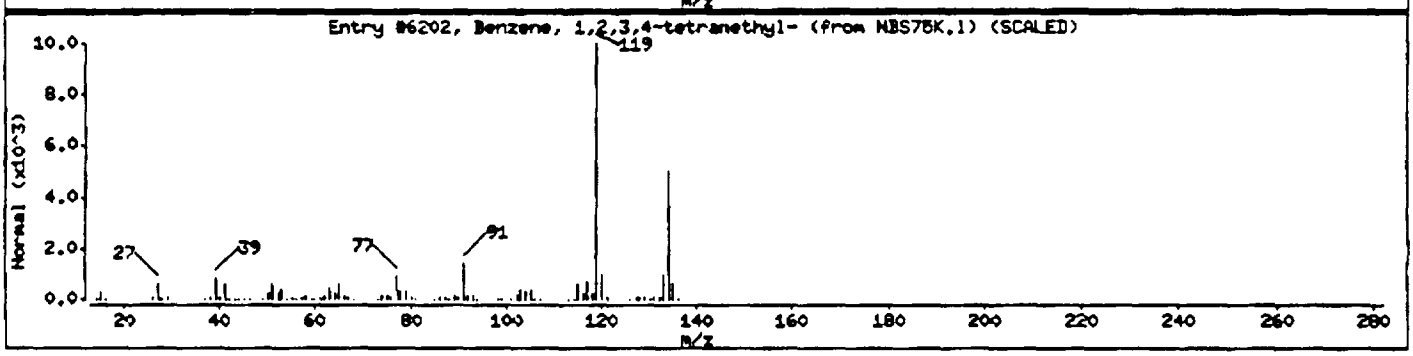
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,4-Cyclohexadiene, 3-ethenyl-1,2-dimeth	62338-57-2	NBS75K.l	6196	53	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	52	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	6202	50	C10H14	134









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

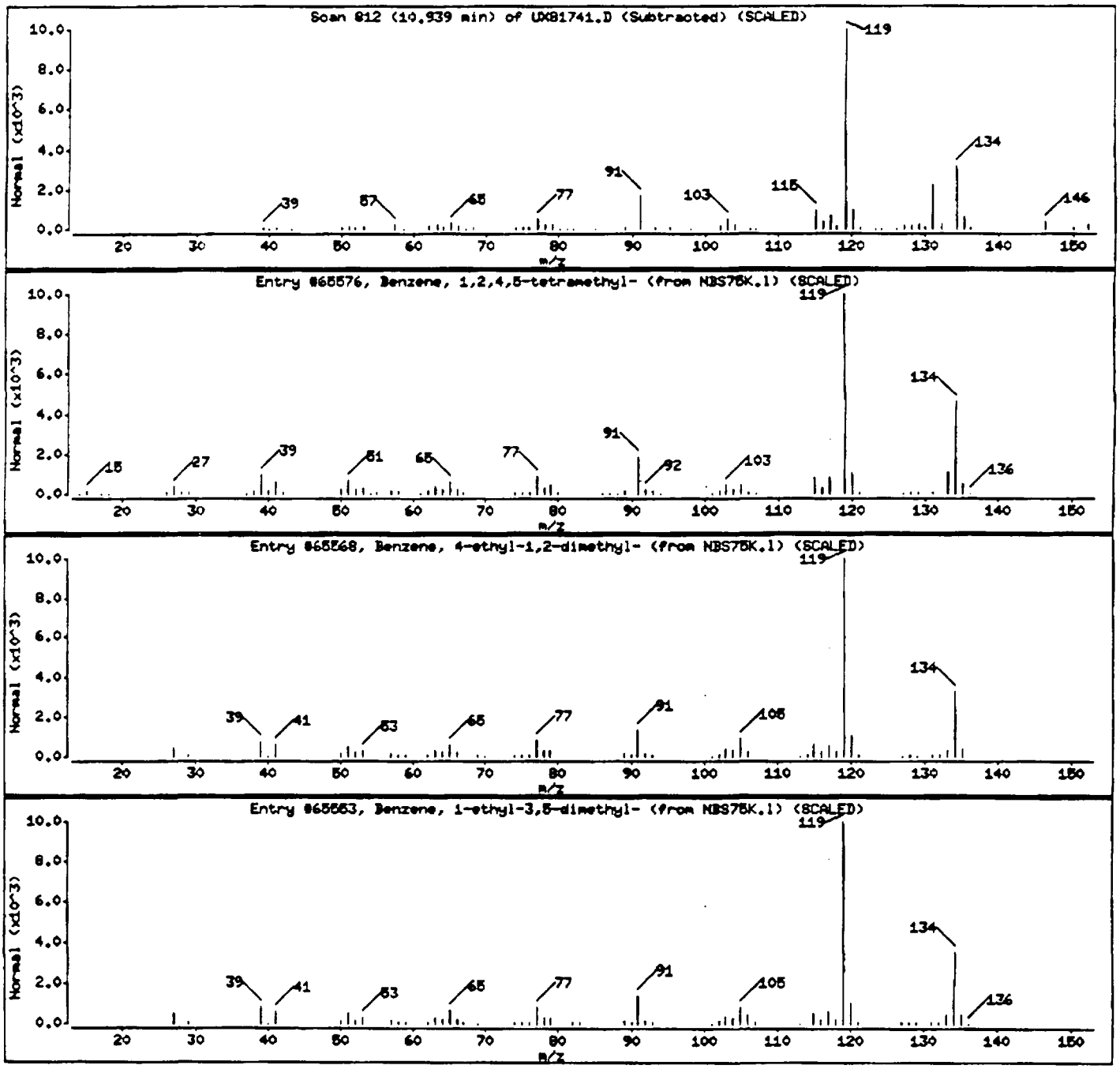
Sample Info: DFJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	87	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65568	87	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.l	65553	87	C10H14	134



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

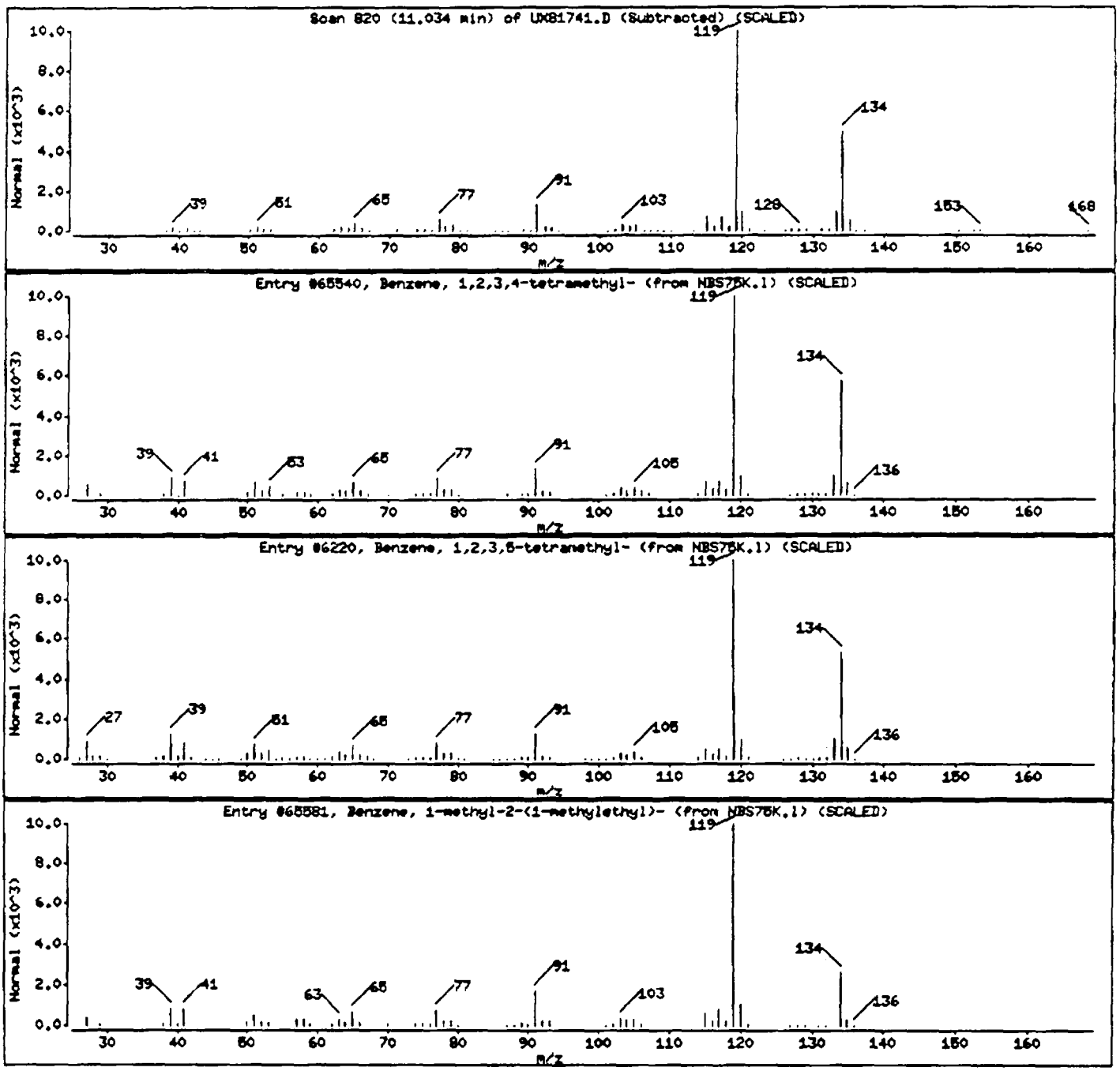
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	65540	97	C10H14	134
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.l	6220	97	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	95	C10H14	134



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

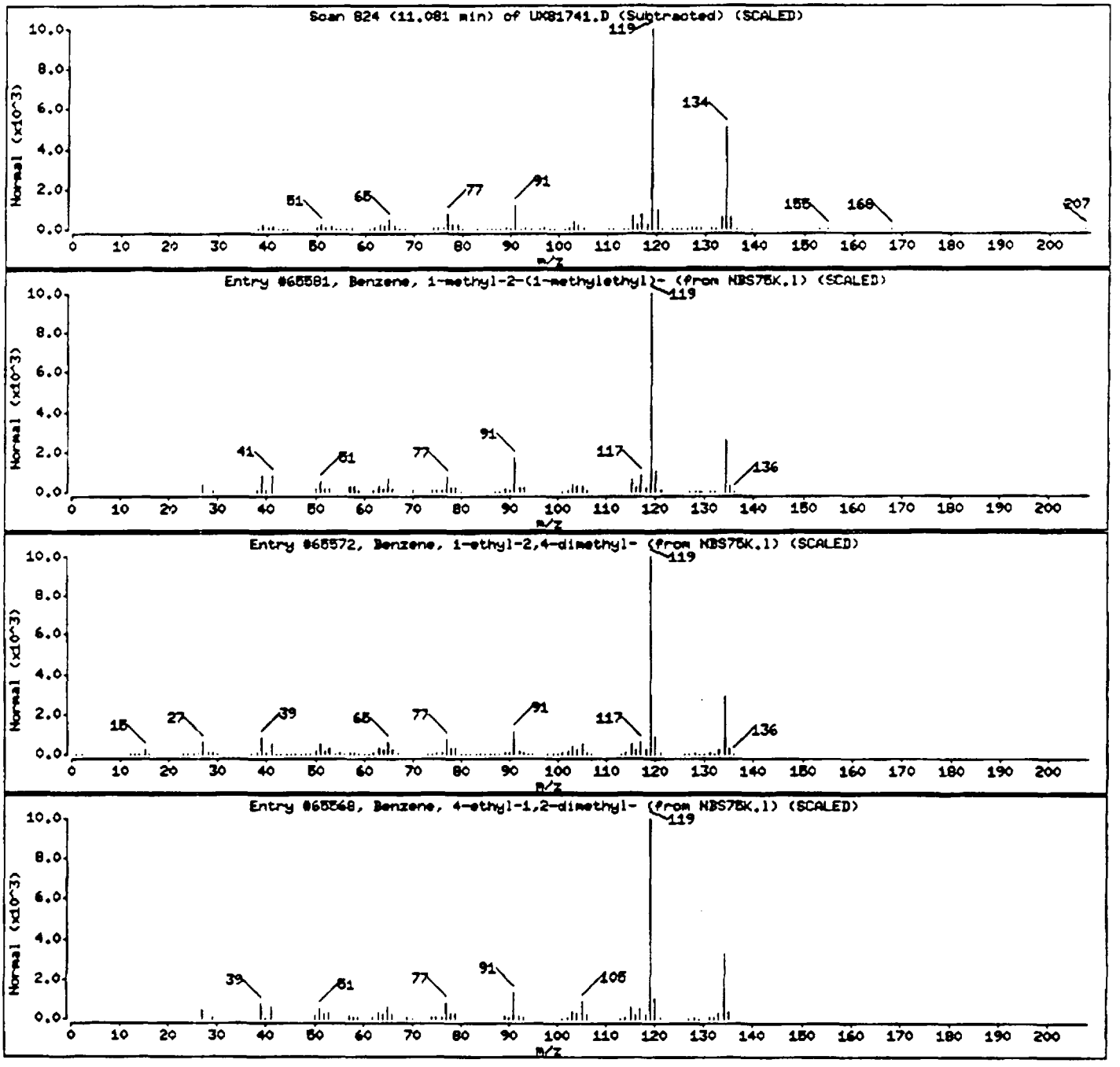
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	95	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65572	94	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65568	94	C10H14	134



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Date : 15-NOV-2000 22:29

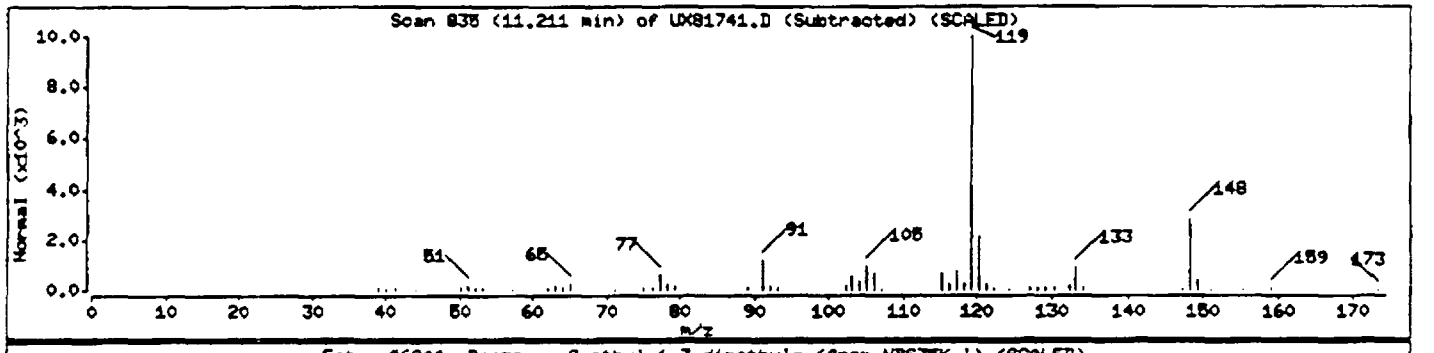
Client ID: DSL-17 Instrument: a3ux8a.i

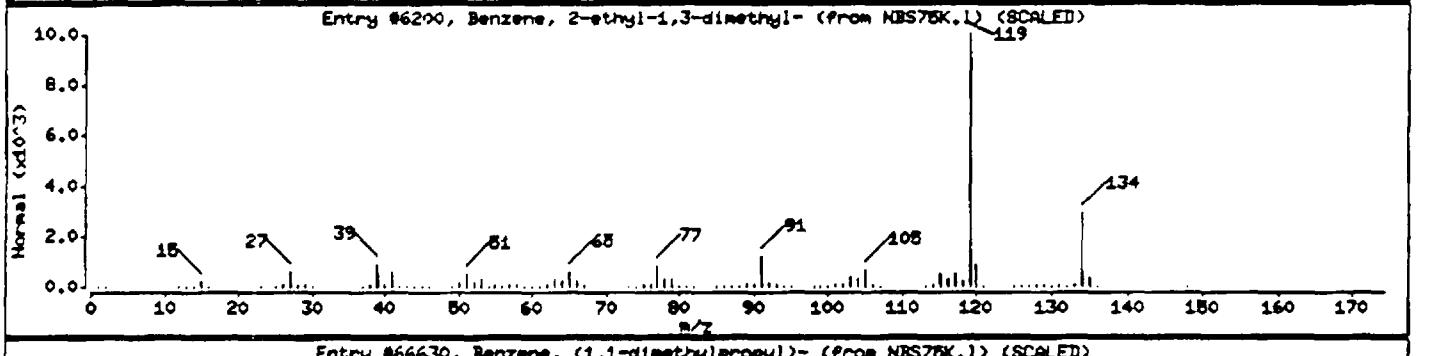
Sample Info: DPJF81AA,,2,10UL/5ML

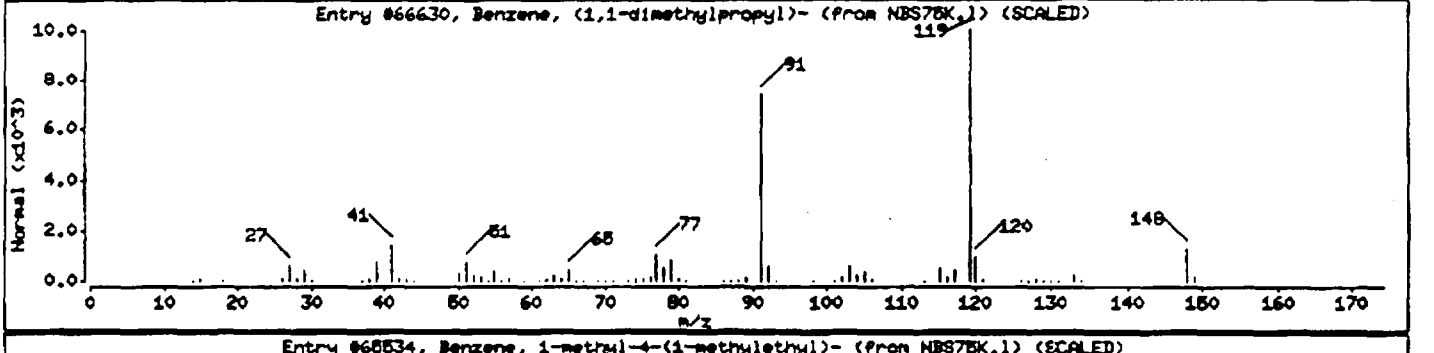
Operator: 2807

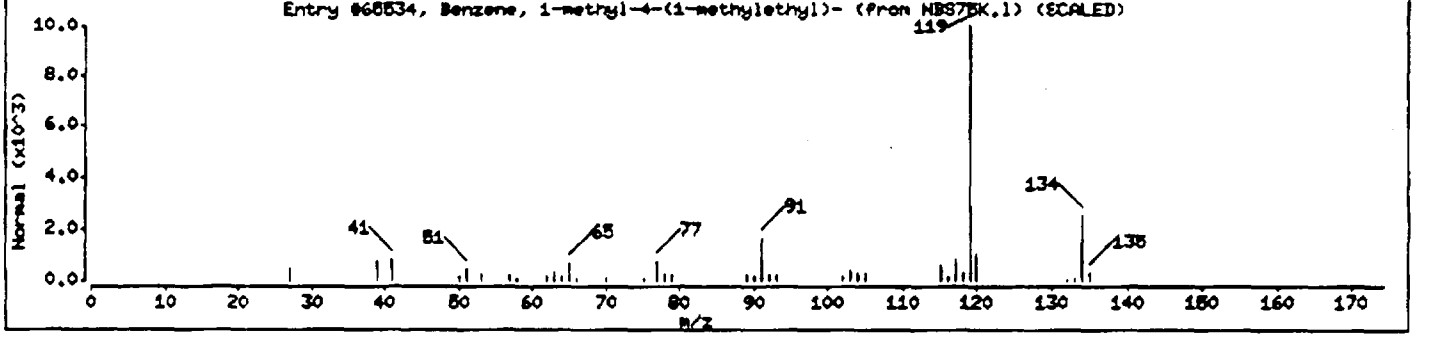
Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NBS75K.l	6200	70	C10H14	134
Benzene, (1,1-dimethylpropyl)-	2049-95-8	NBS75K.l	66630	64	C11H16	148
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65534	60	C10H14	134









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

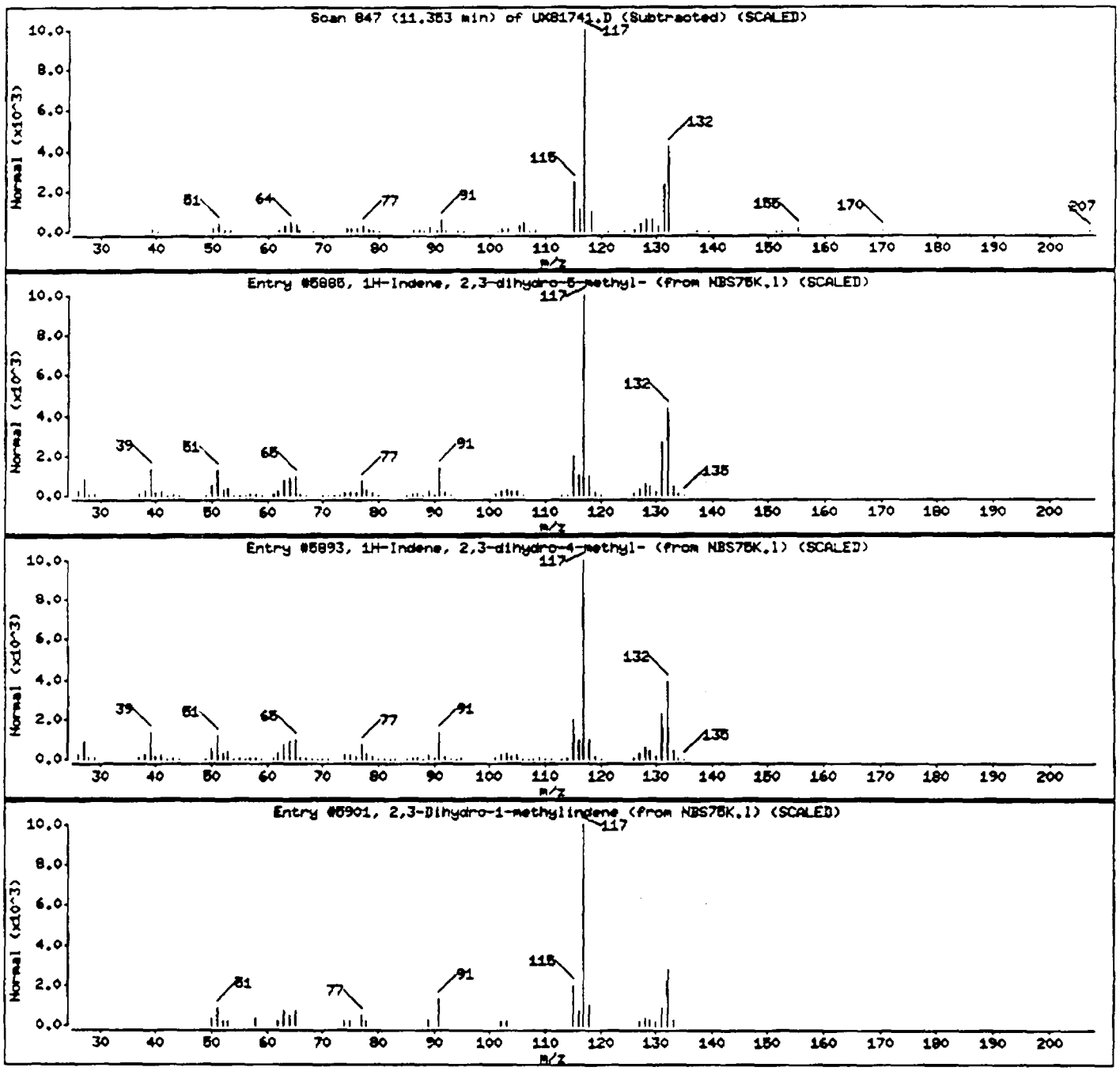
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	NBS75K.l	5885	91	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	NBS75K.l	5893	91	C10H12	132
2,3-Dihydro-1-methylindene	27133-93-3	NBS75K.l	5901	87	C10H12	132



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

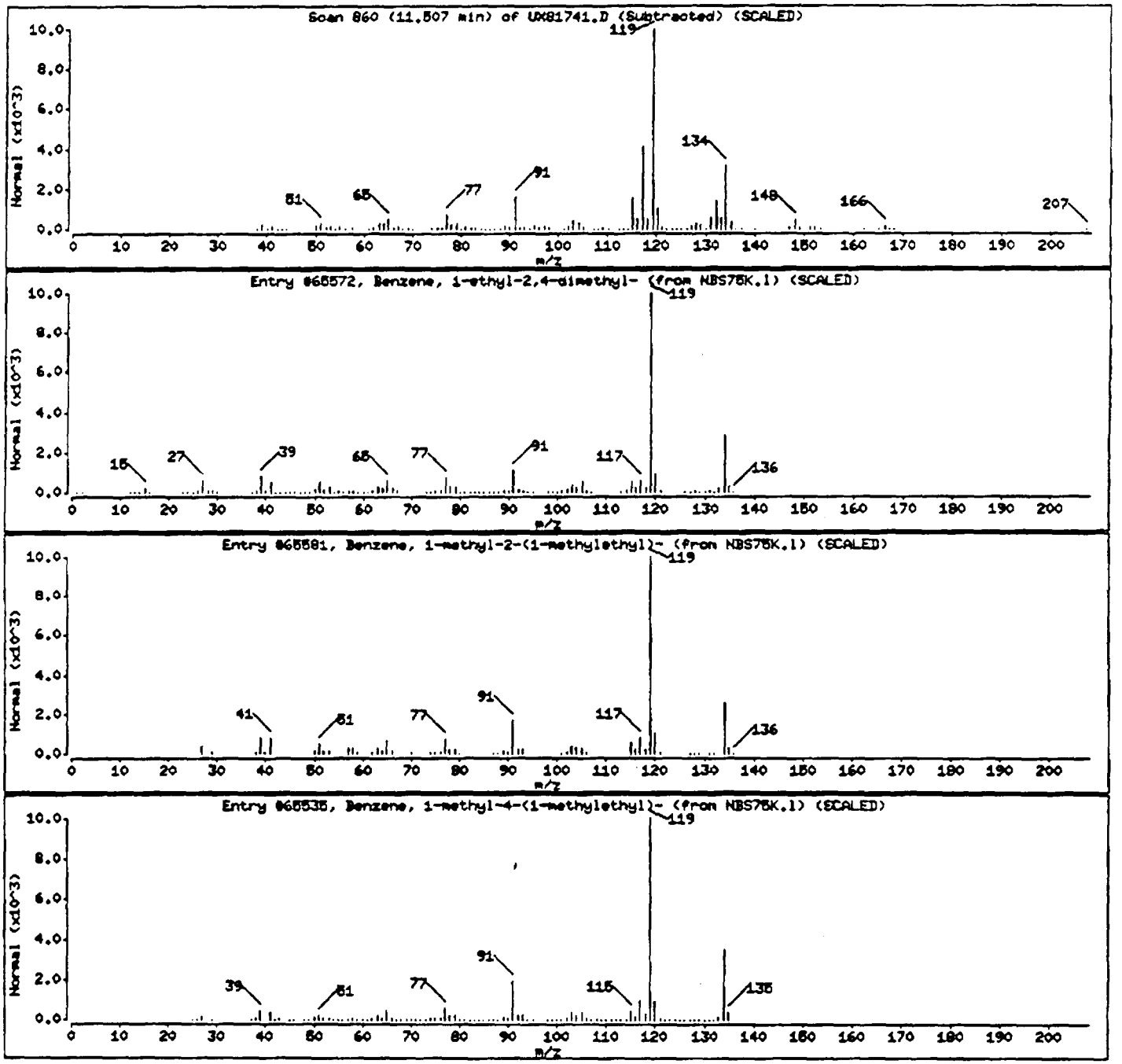
Sample Info: DFJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65572	64	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.l	65581	64	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	64	C10H14	134



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Date : 15-NOV-2000 22:29

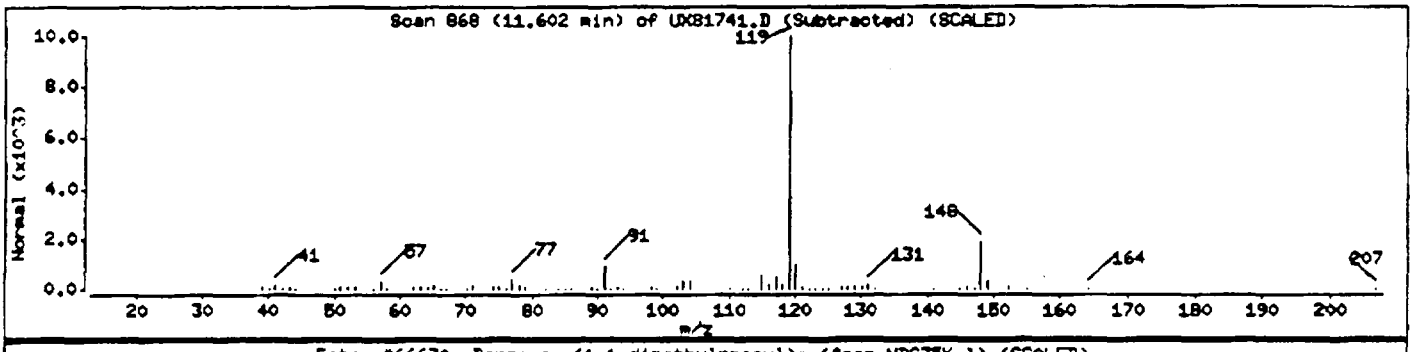
Client ID: DSL-17 Instrument: a3ux8a.i

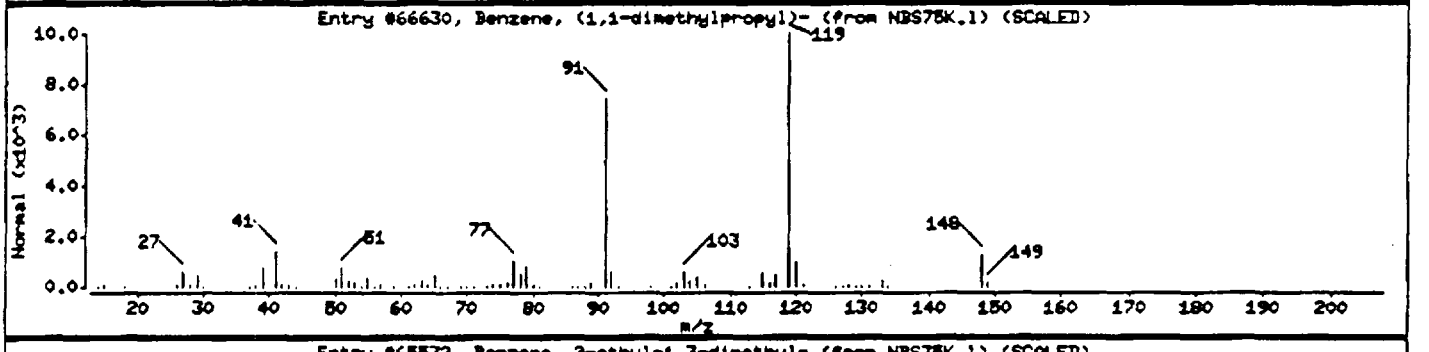
Sample Info: DPJF81AA,,2,10UL/5ML

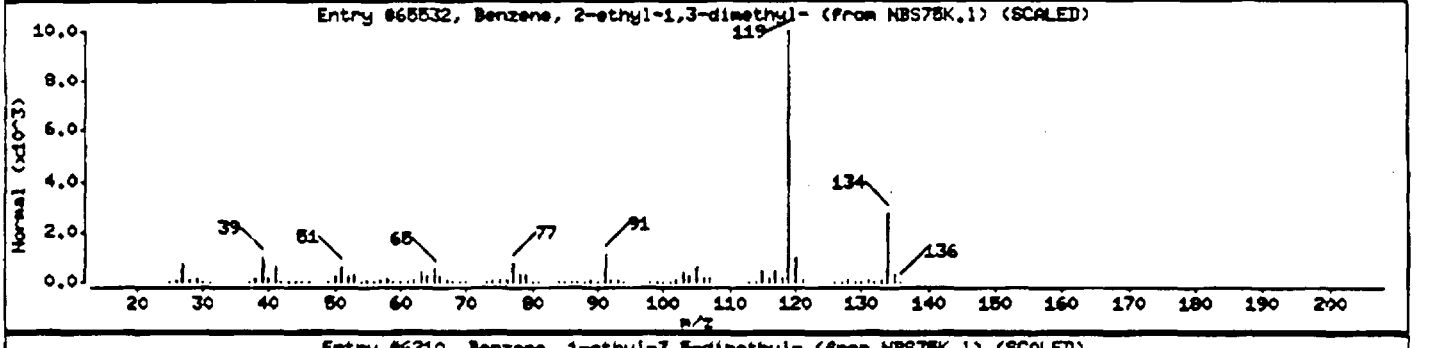
Operator: 2807

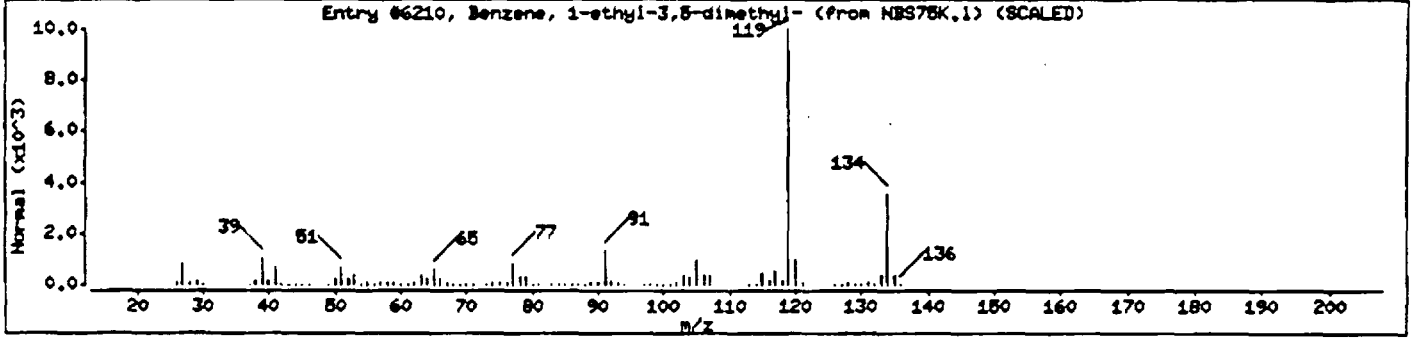
Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1,1-dimethylpropyl)-	2049-95-8	NBS75K.l	66630	83	C11H16	148
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NBS75K.l	65532	72	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.l	6210	72	C10H14	134









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

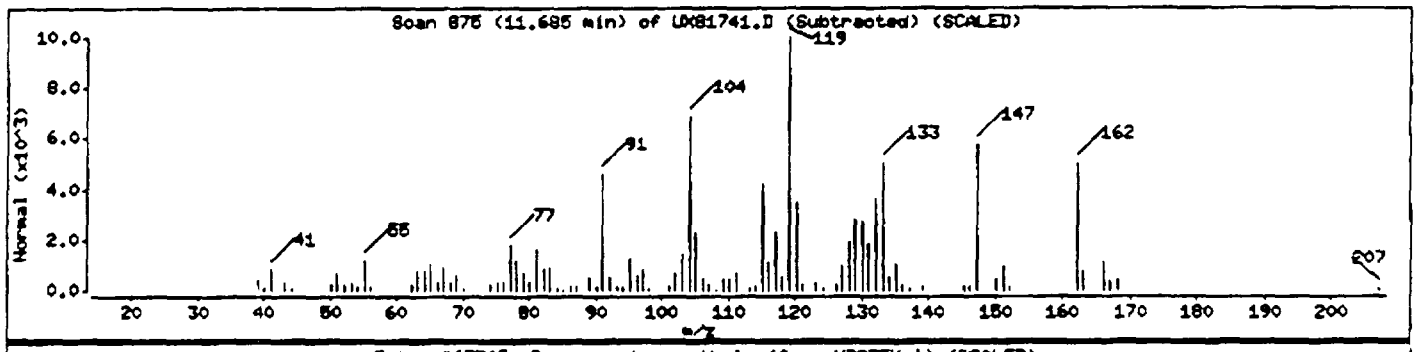
Sample Info: DPJF81AA,,2,10UL/5ML

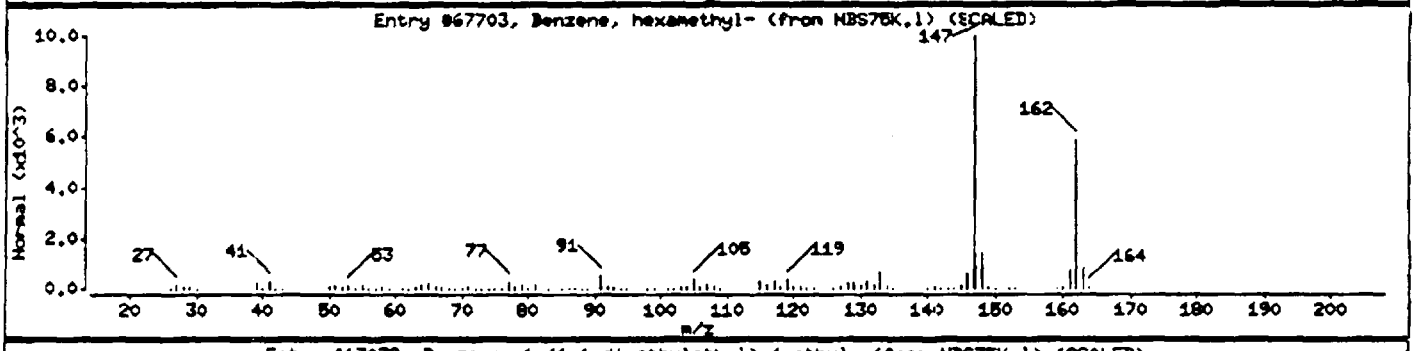
Operator: 2807

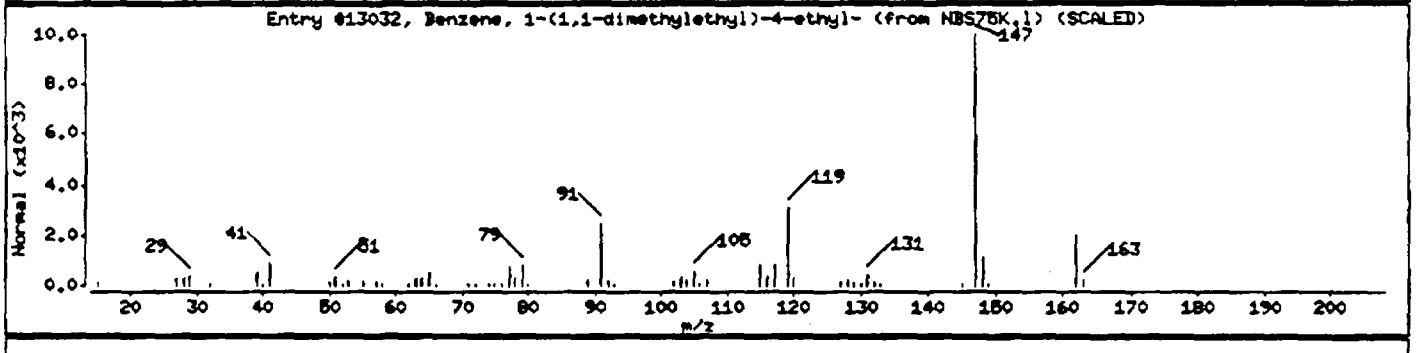
Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, hexamethyl-	87-85-4	NBS75K.l	67703	58	C12H18	162
Benzene, 1-(1,1-dimethylethyl)-4-ethyl-	7364-19-4	NBS75K.l	13032	43	C12H18	162







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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

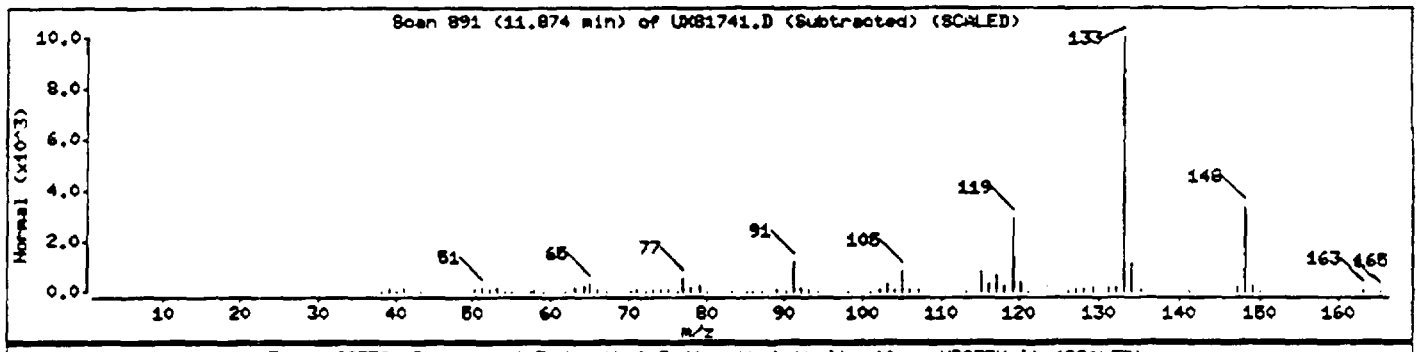
Sample Info: DPJF81AA,,2,10UL/5ML

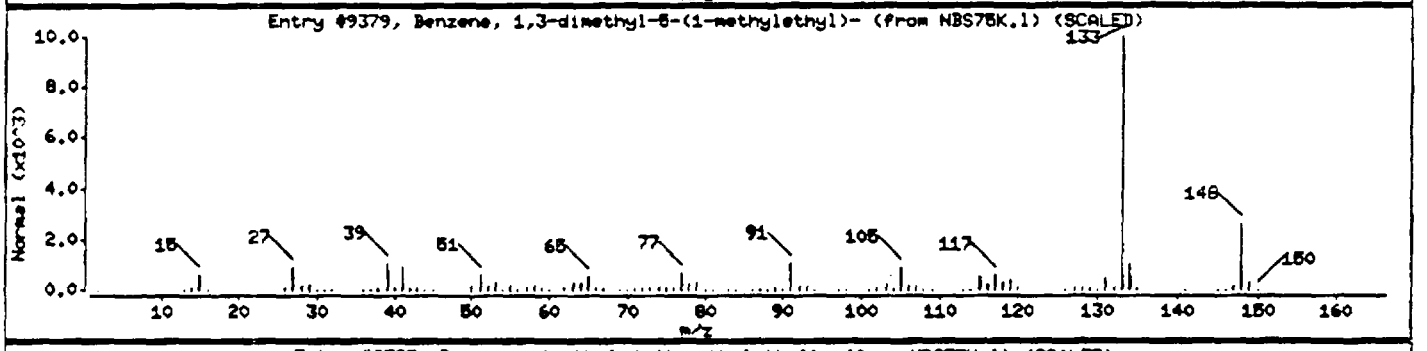
Operator: 2907

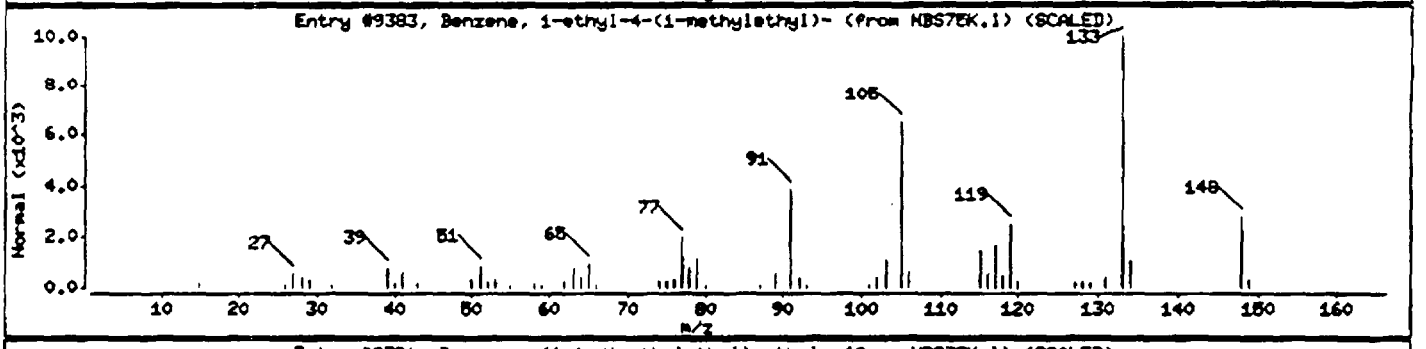
Column phase: DB624 20m

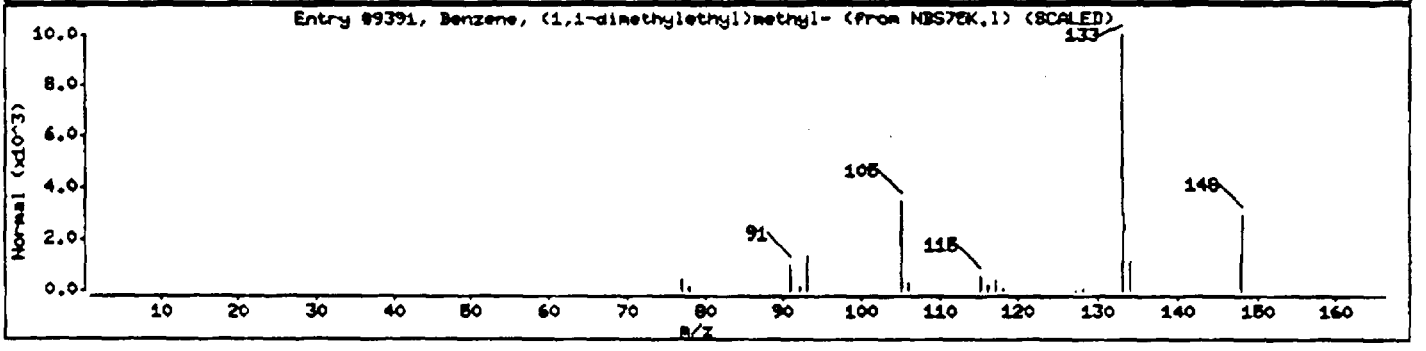
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NBS75K.l	9379	87	C11H16	148
Benzene, 1-ethyl-4-(1-methylethyl)-	4218-48-8	NBS75K.l	9383	83	C11H16	148
Benzene, (1,1-dimethylethyl)methyl-	27138-21-2	NBS75K.l	9391	81	C11H16	148









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

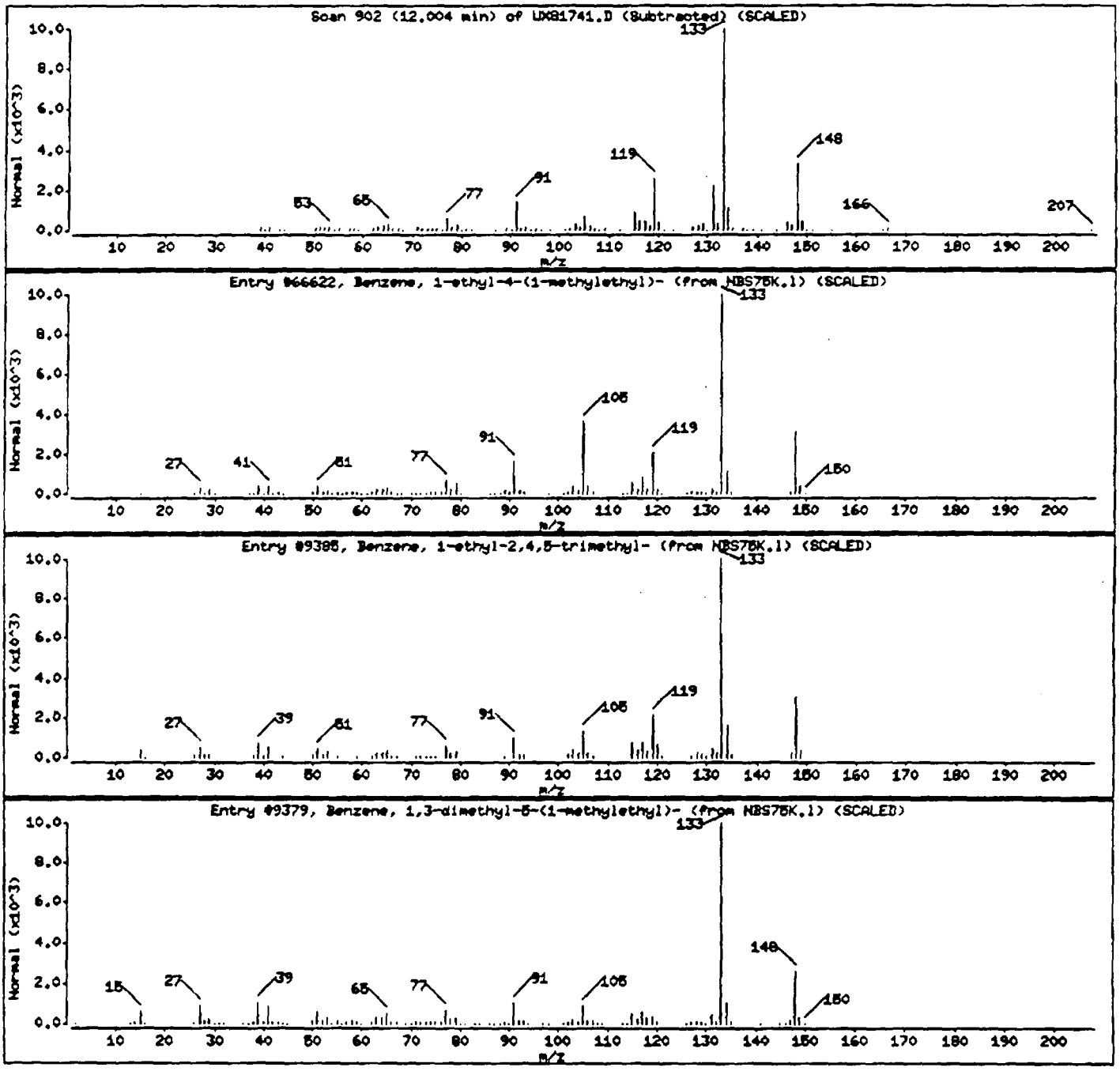
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-4-(1-methylethyl)-	4218-48-8	NBS75K.l	66622	81	C11H16	148
Benzene, 1-ethyl-2,4,5-trimethyl-	17851-27-3	NBS75K.l	9385	72	C11H16	148
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NBS75K.l	9379	68	C11H16	148



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

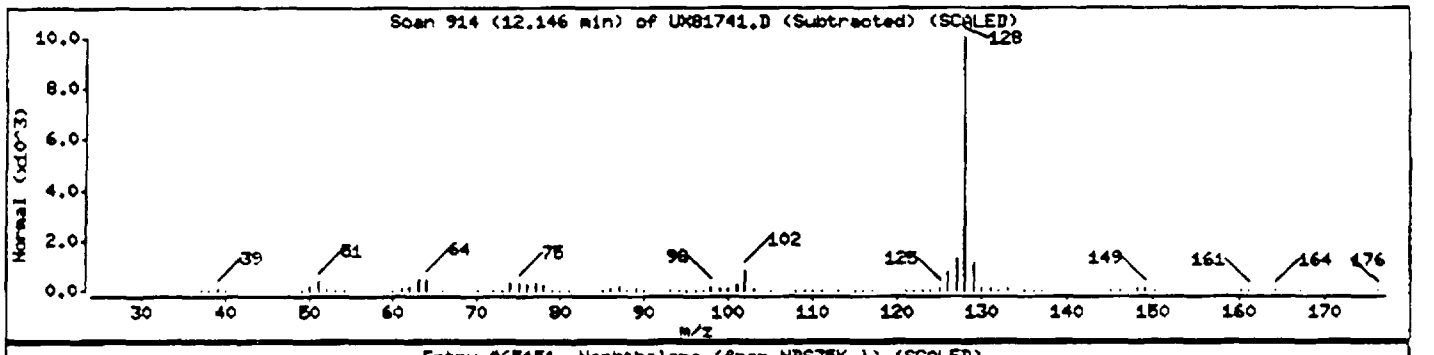
Sample Info: DPJF81AA,,2,10UL/5ML

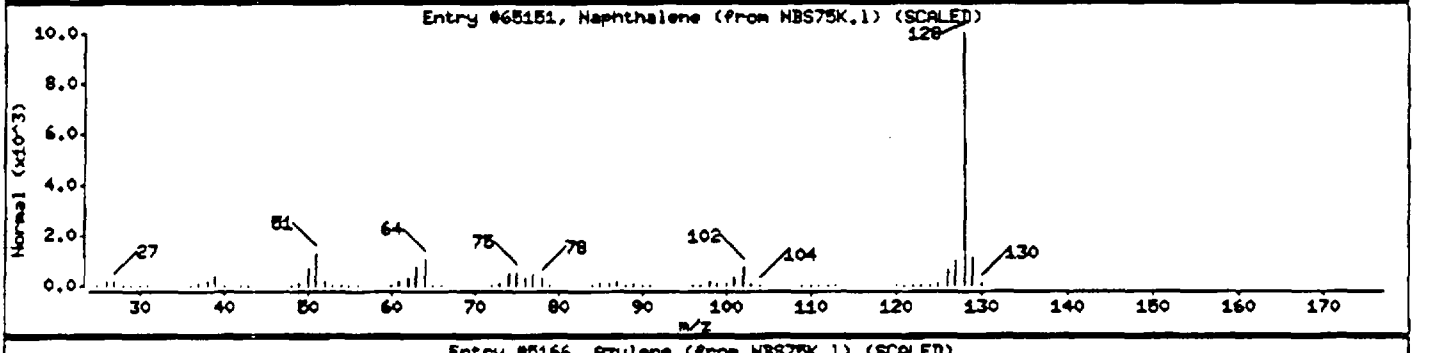
Operator: 2807

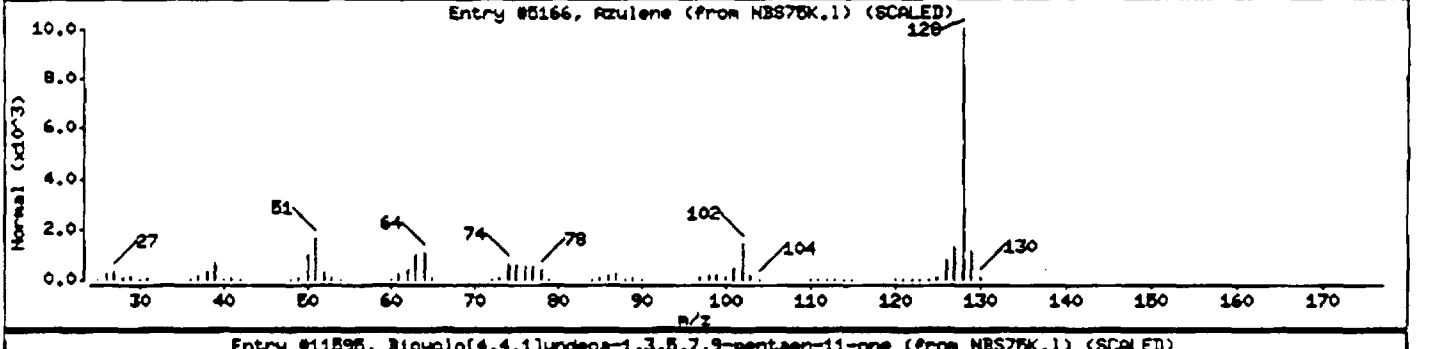
Column phase: DB624 20m

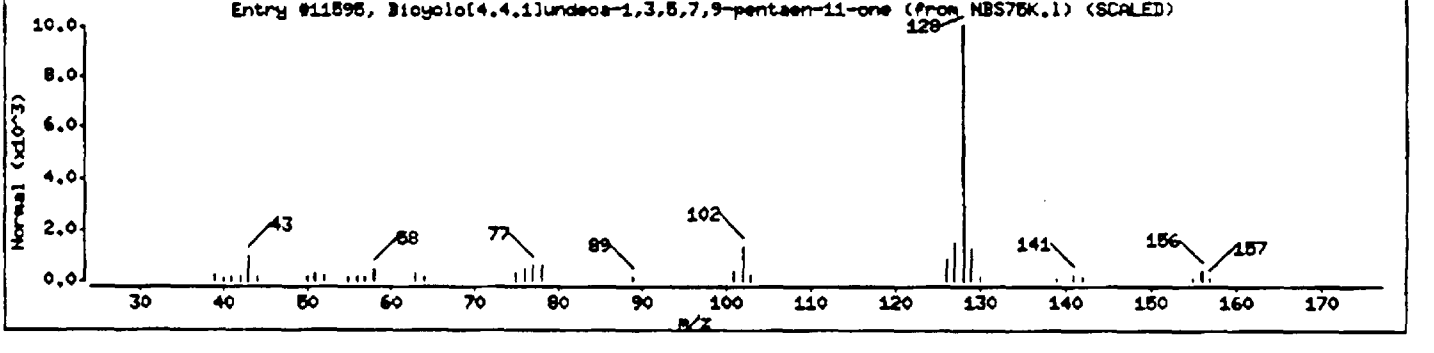
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene	91-20-3	NBS75K.l	65151	91	C10H8	128
Azulene	275-51-4	NBS75K.l	5166	91	C10H8	128
Bicyclo[4.4.1]undeca-1,3,5,7,9-pentaen-1	36628-80-5	NBS75K.l	11595	78	C11H80	156









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Date : 15-NOV-2000 22:29

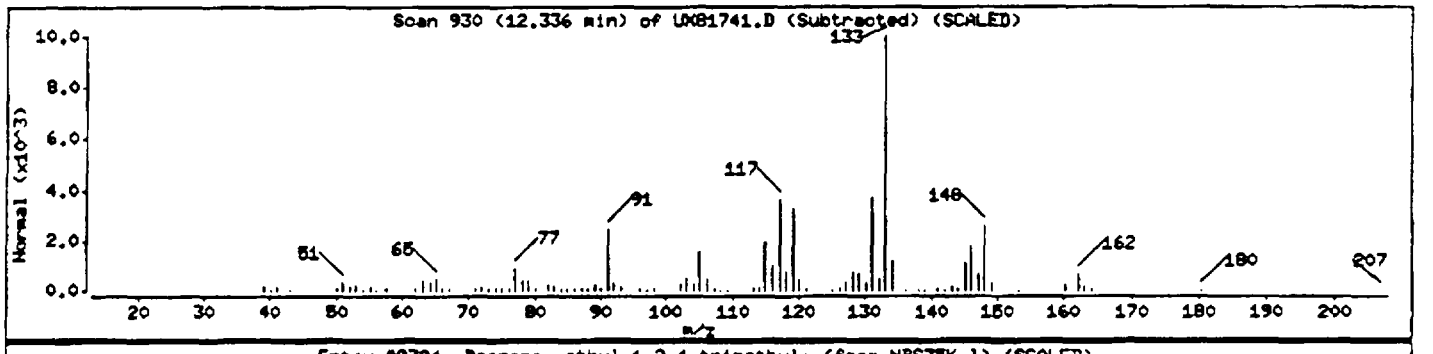
Client ID: DSL-17 Instrument: a3ux8a.i

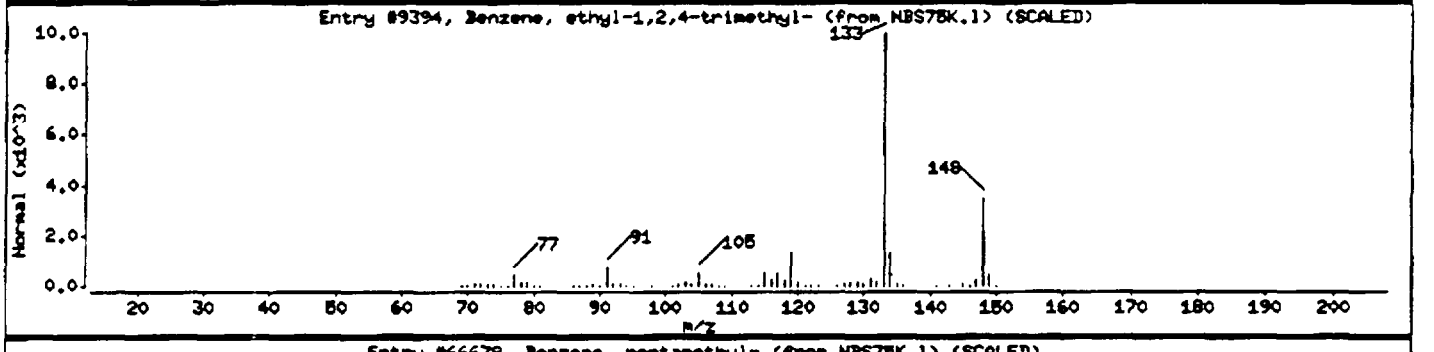
Sample Info: DPJF81AA,,2,10UL/5ML

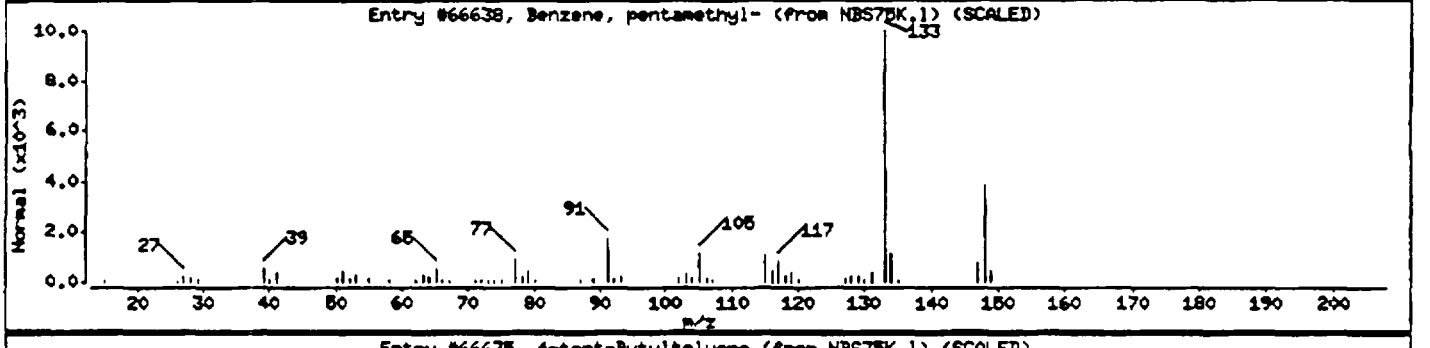
Operator: 2807

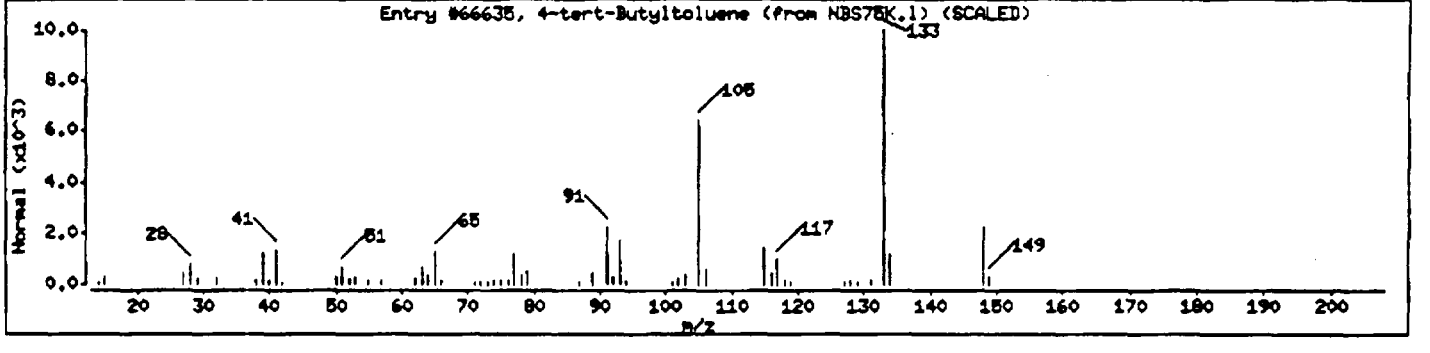
Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, ethyl-1,2,4-trimethyl-	54120-62-6	NBS75K.l	9394	68	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66638	62	C11H16	148
4-tert-Butyltoluene	98-51-1	NBS75K.l	66635	50	C11H16	148









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

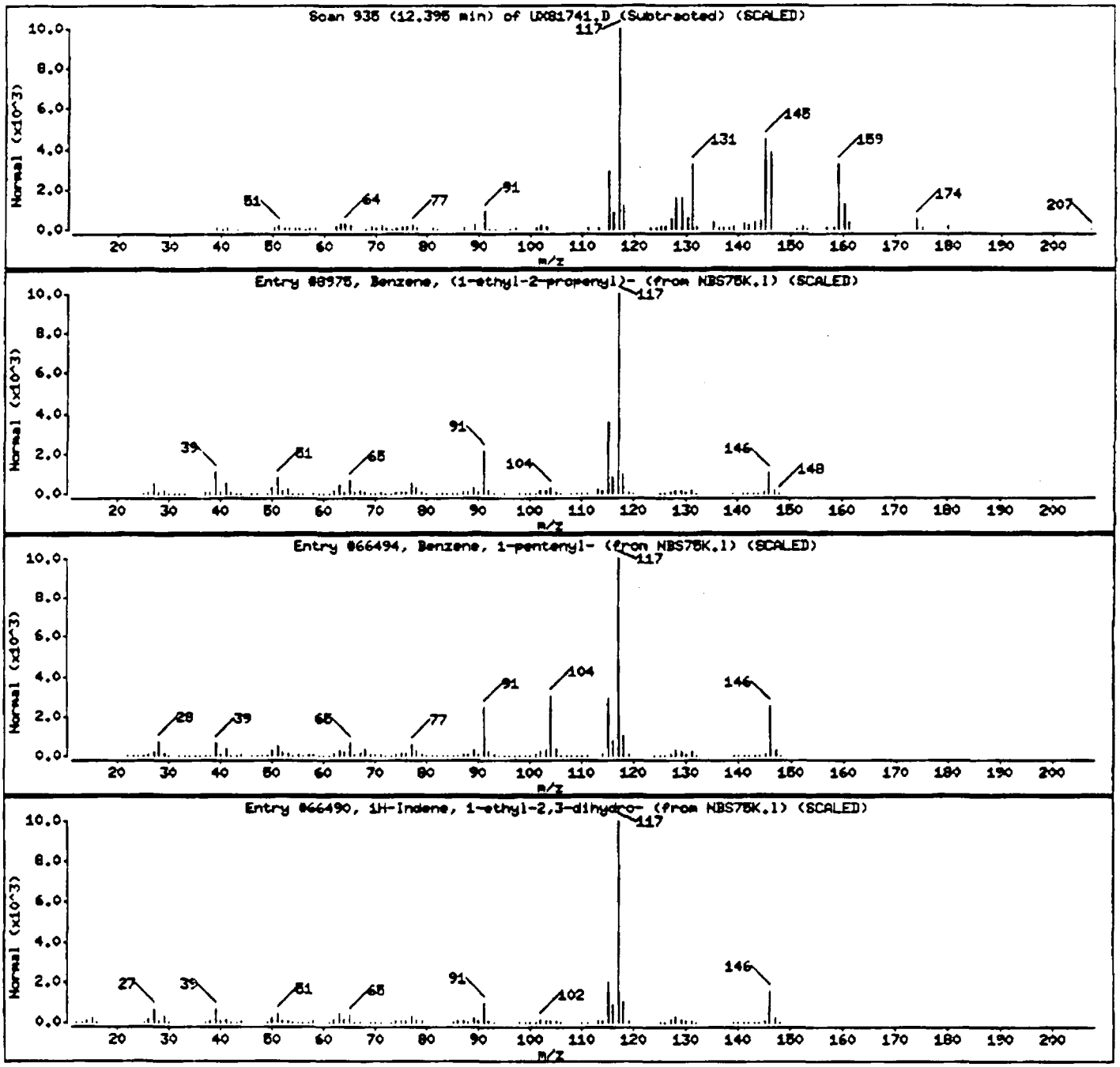
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-ethyl-2-propenyl)-	19947-22-9	NBS75K.l	8975	47	C11H14	146
Benzene, 1-pentenyl-	826-18-6	NBS75K.l	66494	47	C11H14	146
1H-Indene, 1-ethyl-2,3-dihydro-	4830-99-3	NBS75K.l	66490	43	C11H14	146



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

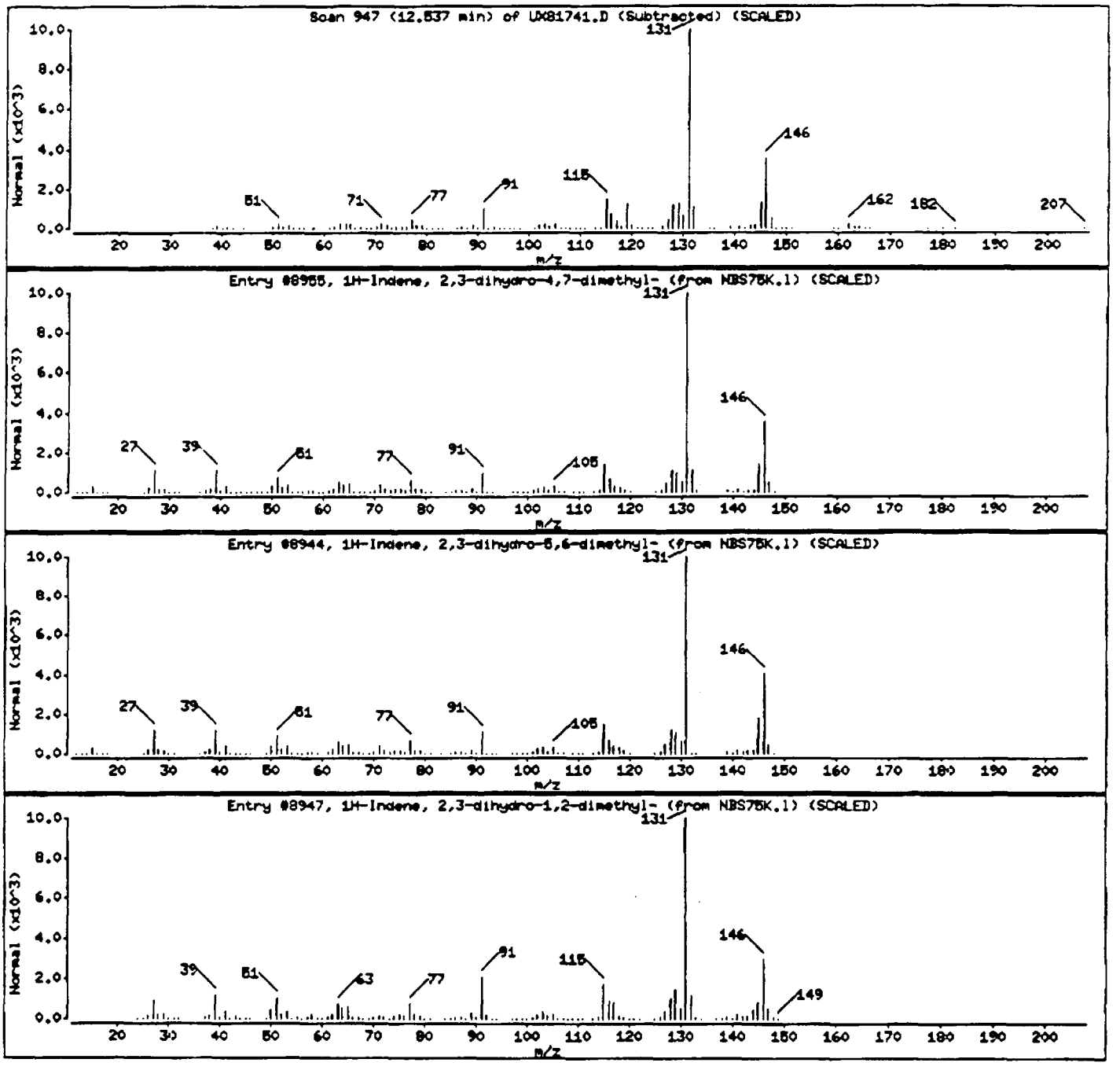
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	95	C11H14	146
1H-Indene, 2,3-dihydro-5,6-dimethyl-	1075-22-5	NBS75K.l	8944	93	C11H14	146
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-6	NBS75K.l	8947	93	C11H14	146



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

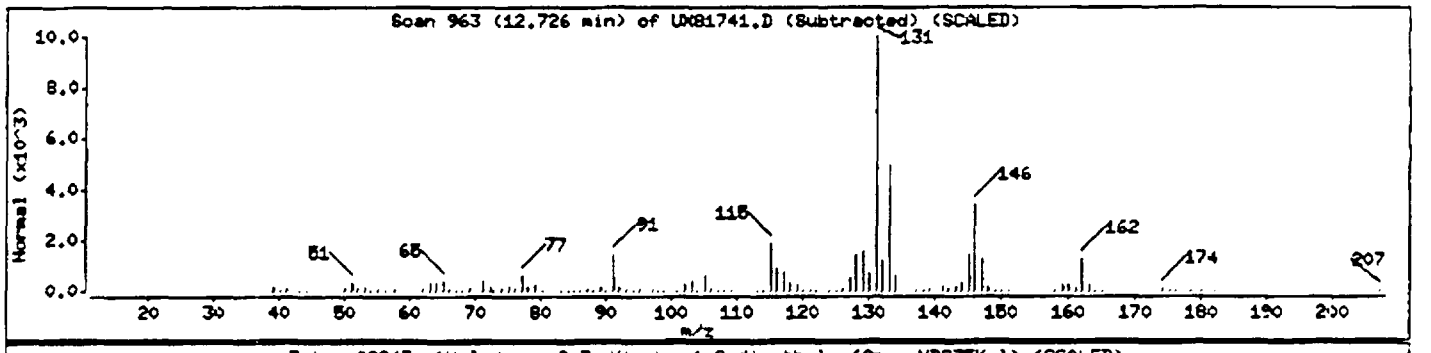
Sample Info: DPJF31AA,,2,10UL/5ML

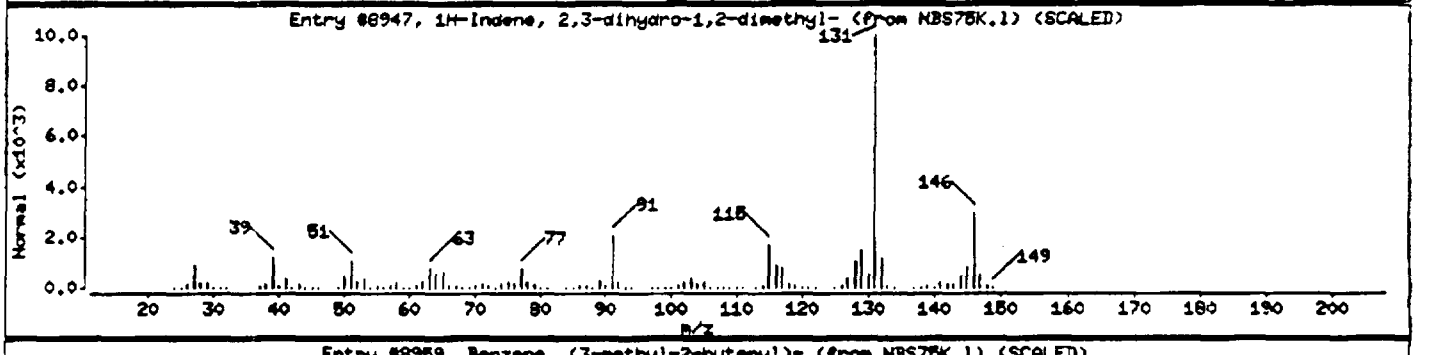
Operator: 2807

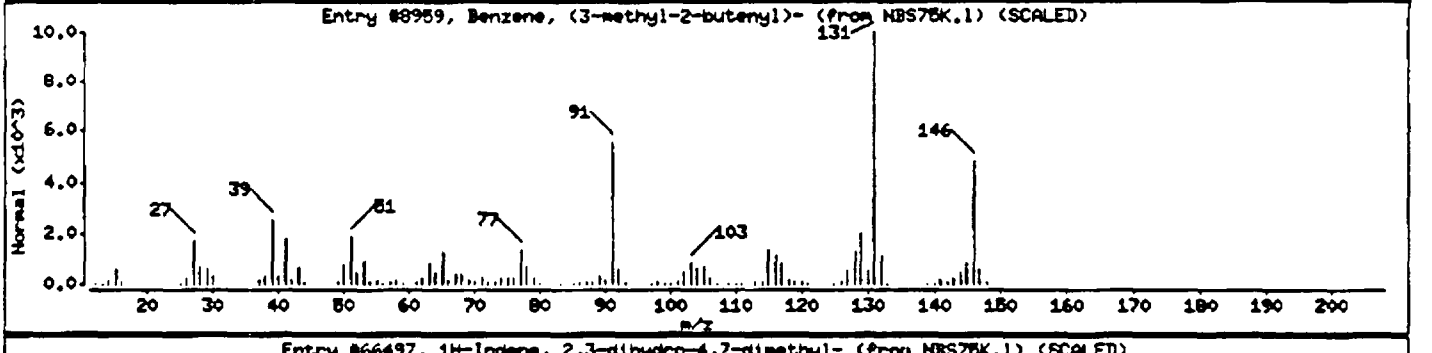
Column phase: DB624 20m

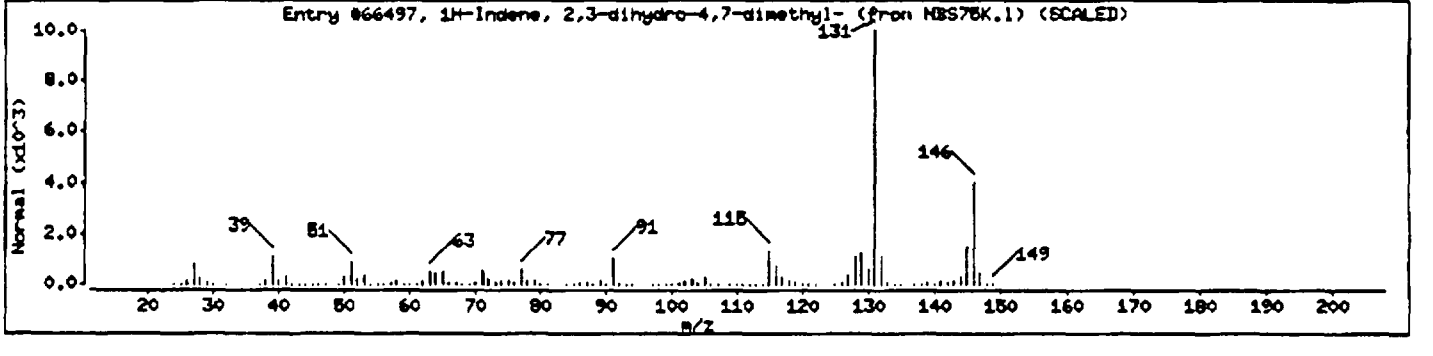
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	NBS75K.l	8947	86	C11H14	146
Benzene, (3-methyl-2-butenyl)-	4489-84-3	NBS75K.l	8959	70	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	66497	70	C11H14	146









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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

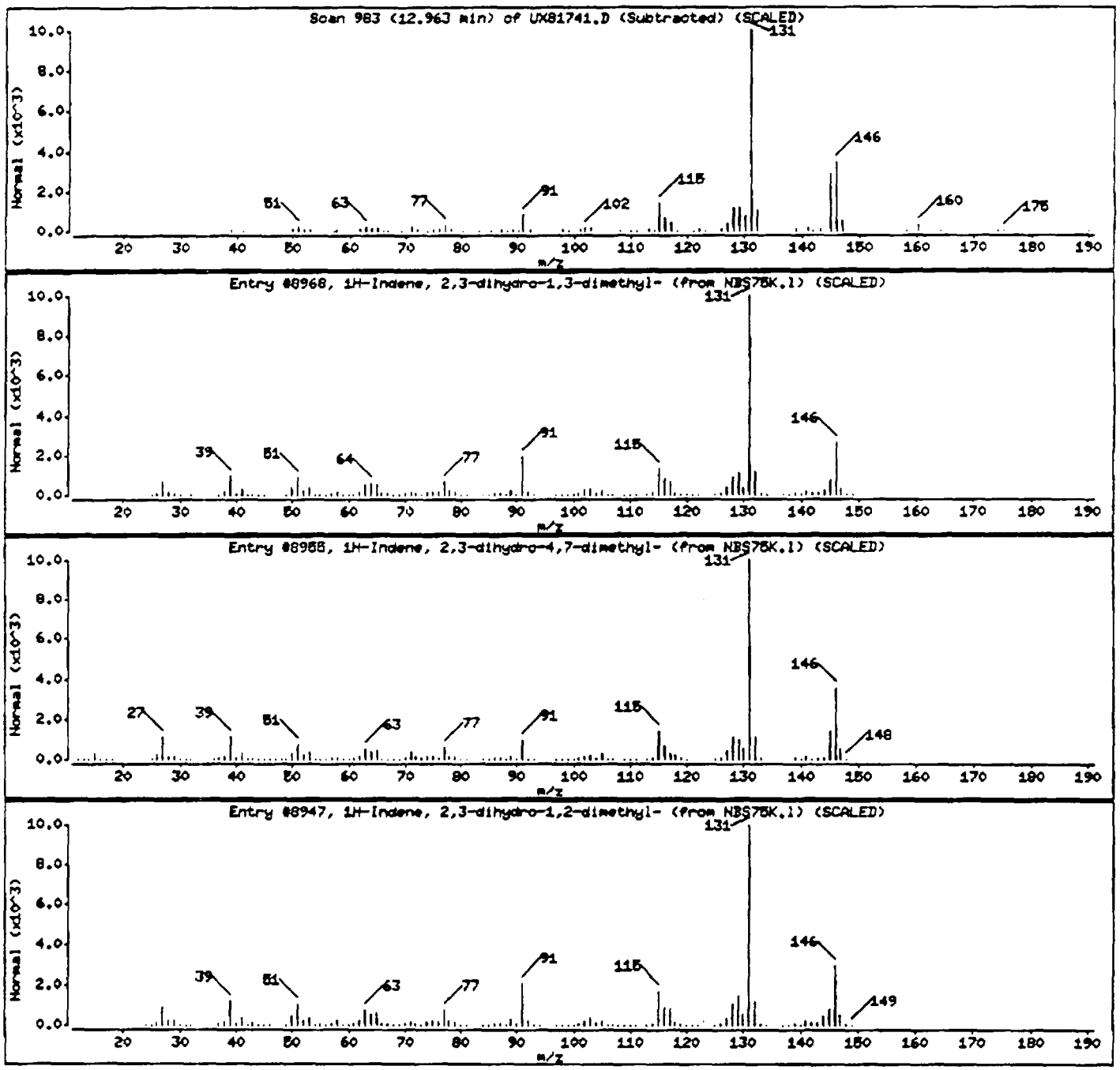
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,3-dimethyl-	4175-53-5	NBS75K.l	8968	90	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	93	C11H14	146
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	NBS75K.l	8947	90	C11H14	146



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

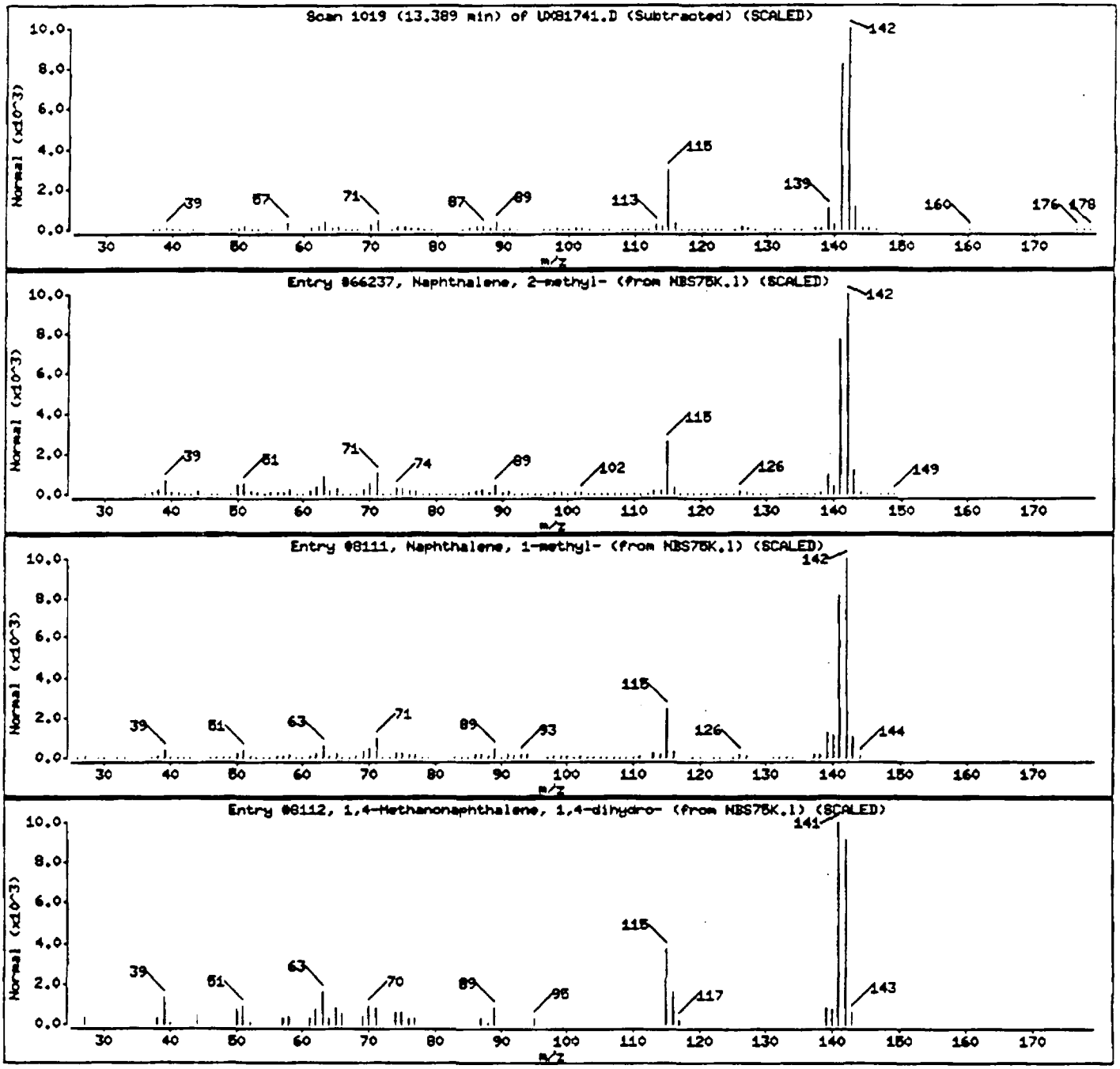
Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66237	91	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	8111	91	C11H10	142
1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	NBS75K.l	8112	86	C11H10	142



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Date : 15-NOV-2000 22:29

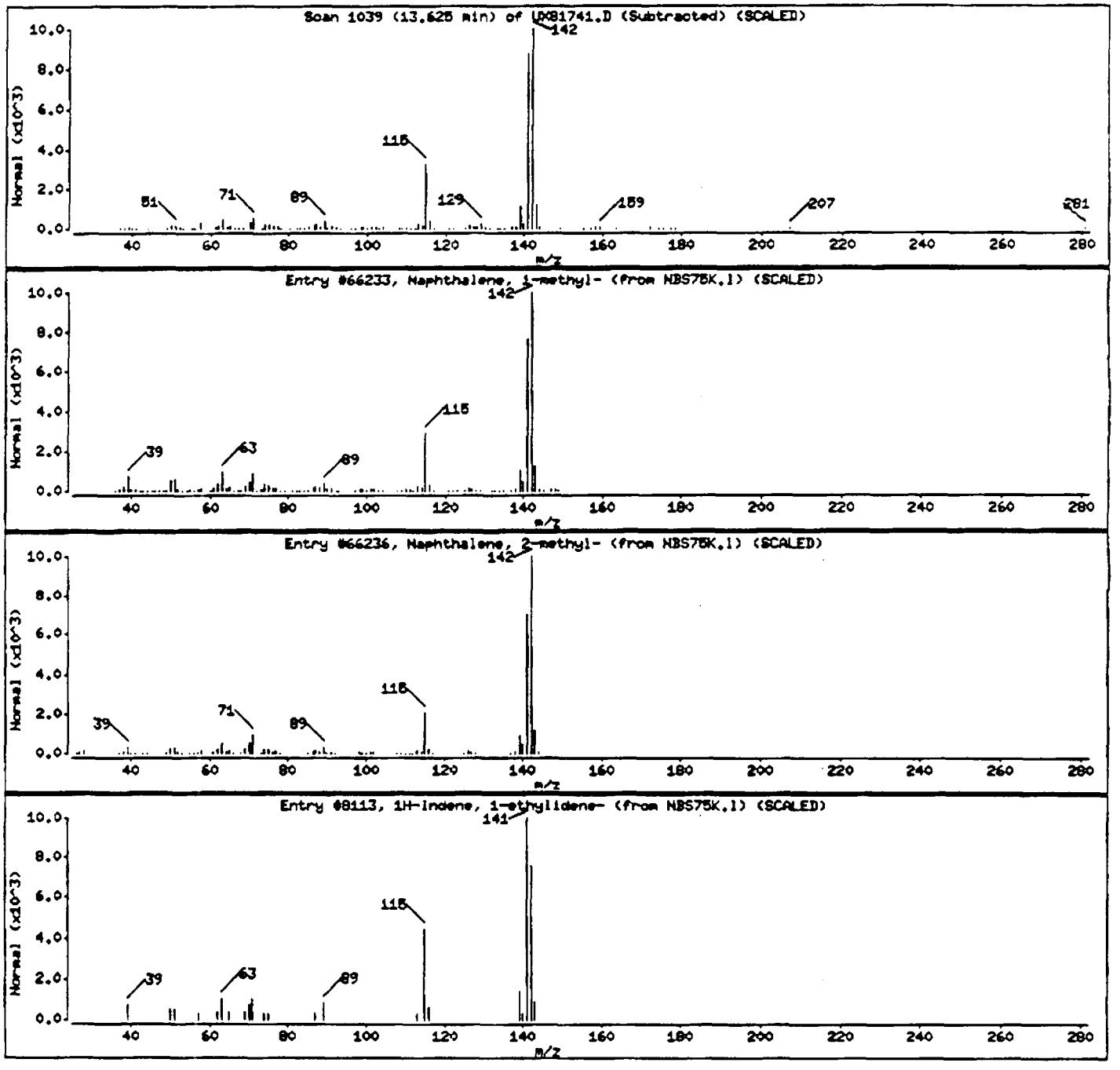
Client ID: DSL-17 Instrument: a3ux8a.i

Sample Info: DPJF81AA,,2,10UL/5ML

Operator: 2807

Column phase: DB624 20m Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66233	94	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66236	91	C11H10	142
1H-Indene, 1-ethylidene-	2471-83-2	NBS75K.l	8113	87	C11H10	142



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Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

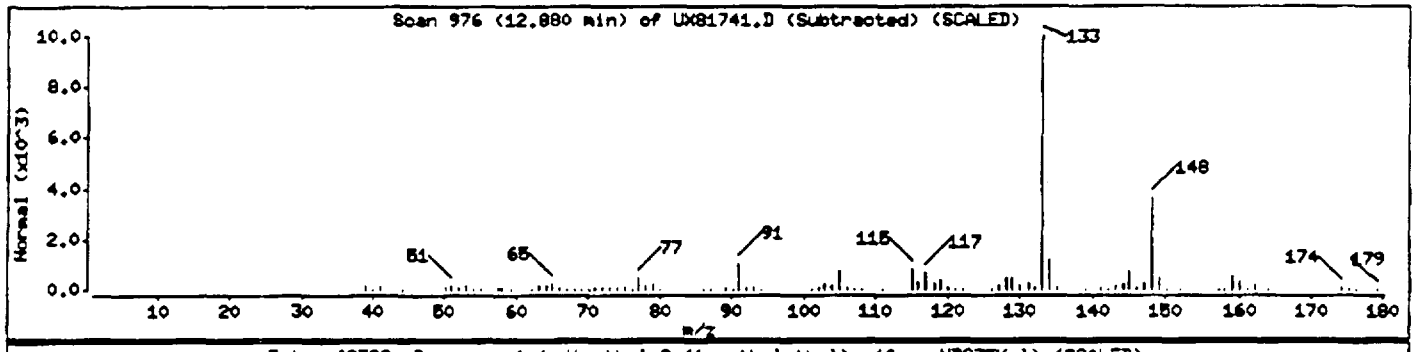
Sample Info: DPJF81AA,,2,10UL/5ML

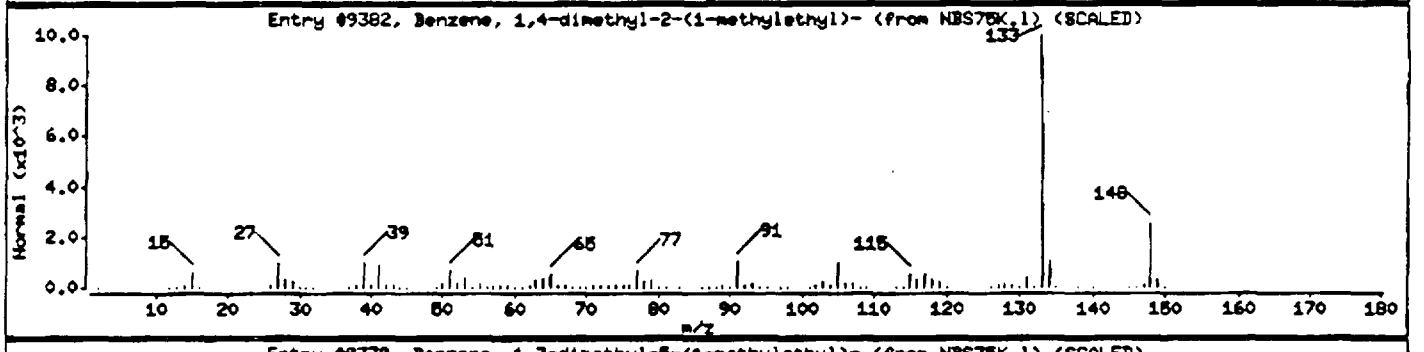
Operator: 2807

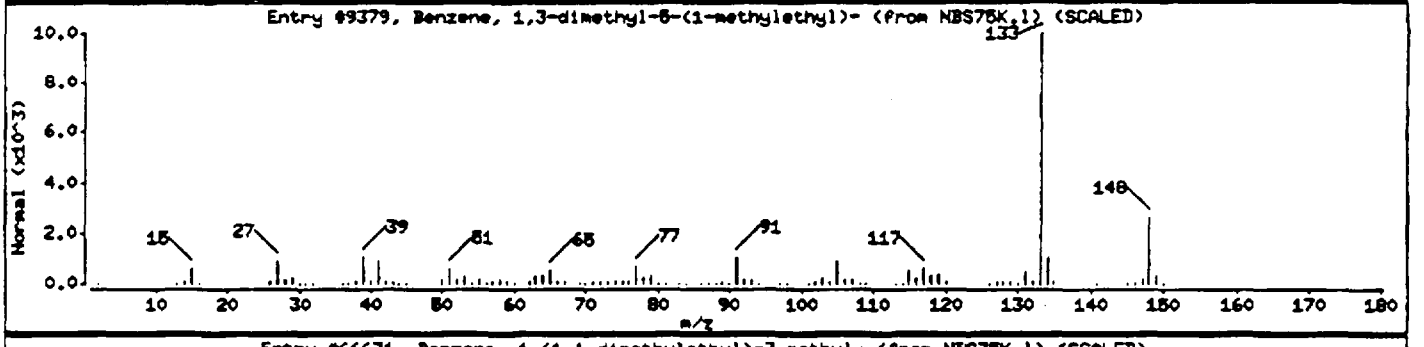
Column phase: DB624 20m

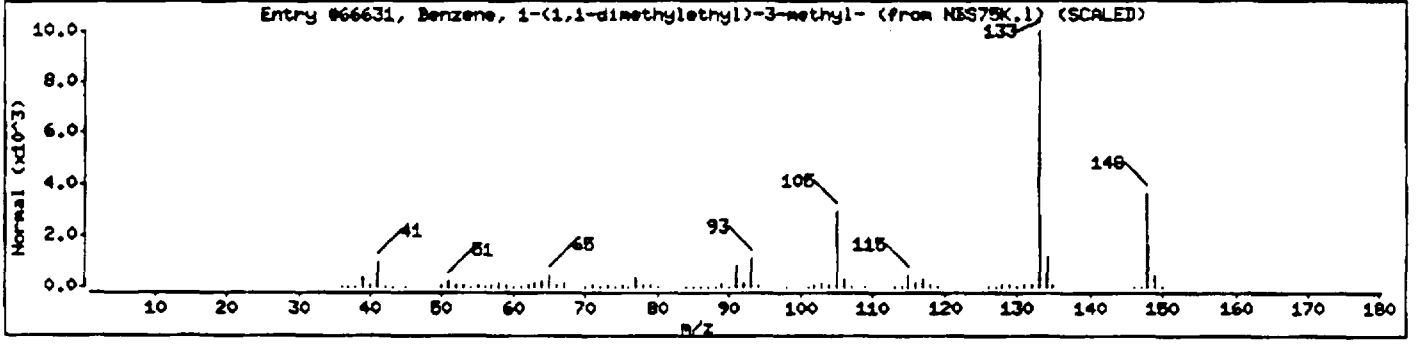
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,4-dimethyl-2-(1-methylethyl)-	4132-72-3	NBS75K.l	9382	83	C11H16	148
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NBS75K.l	9379	87	C11H16	148
Benzene, 1-(1,1-dimethylethyl)-3-methyl-	1075-38-3	NBS75K.l	66631	83	C11H16	148









Data File: \\qcanch04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81741.D

Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

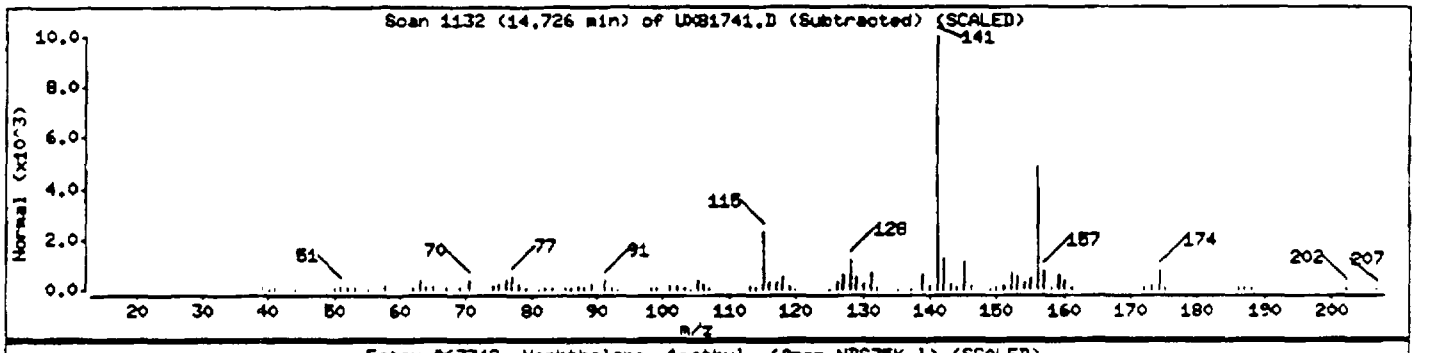
Sample Info: DPJF81AA,,2,10UL/5ML

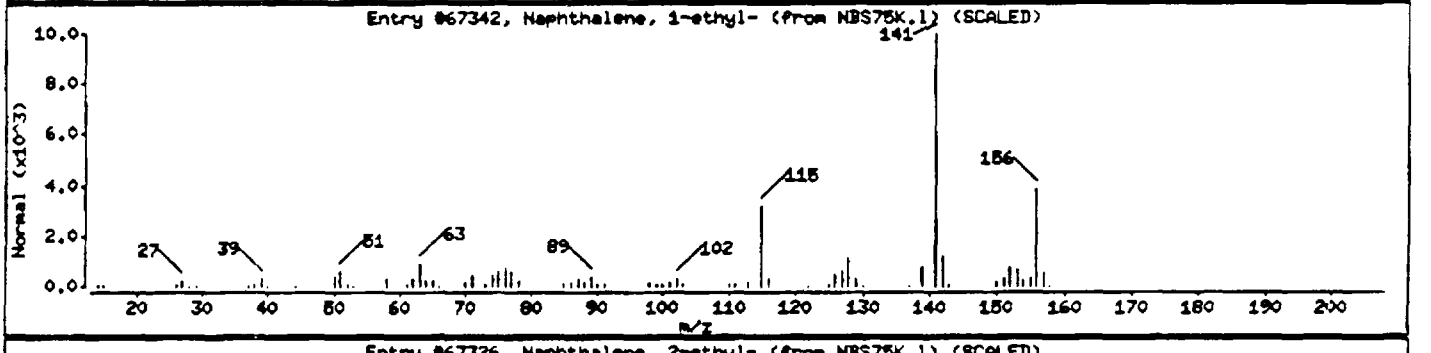
Operator: 2807

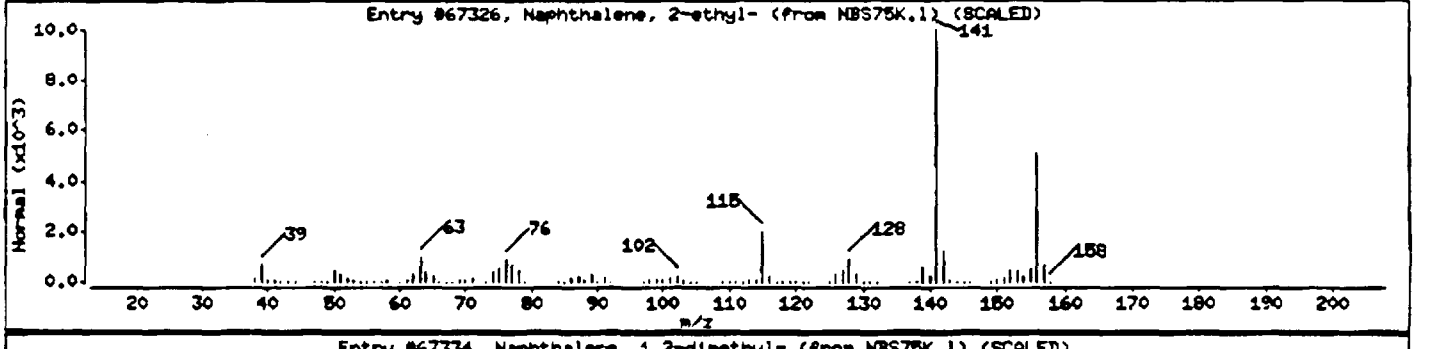
Column phase: DB624 20m

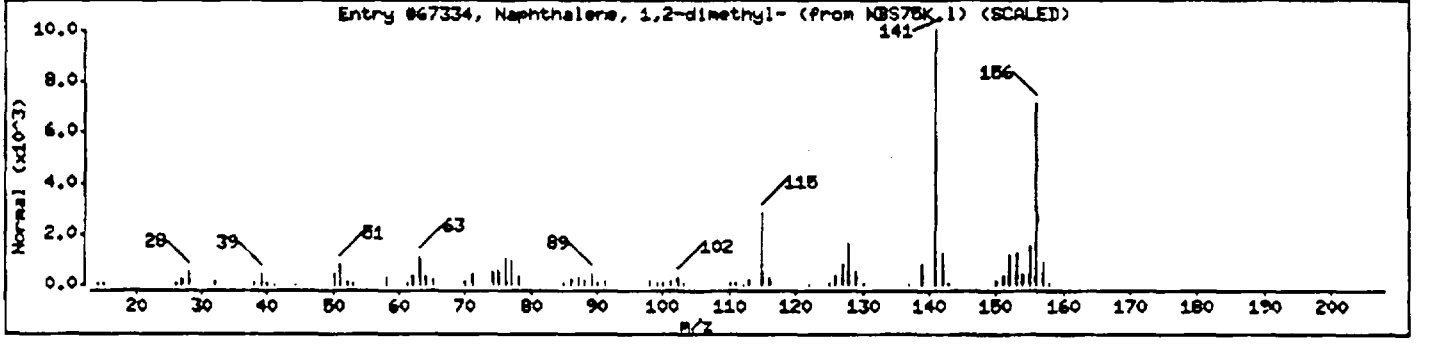
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	67342	93	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	67326	91	C12H12	156
Naphthalene, 1,2-dimethyl-	573-98-8	NBS75K.l	67334	64	C12H12	156









Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81741.D

Date : 15-NOV-2000 22:29

Client ID: DSL-17

Instrument: a3ux8a.i

Sample Info: DPJF81AA,,2,10UL/5ML

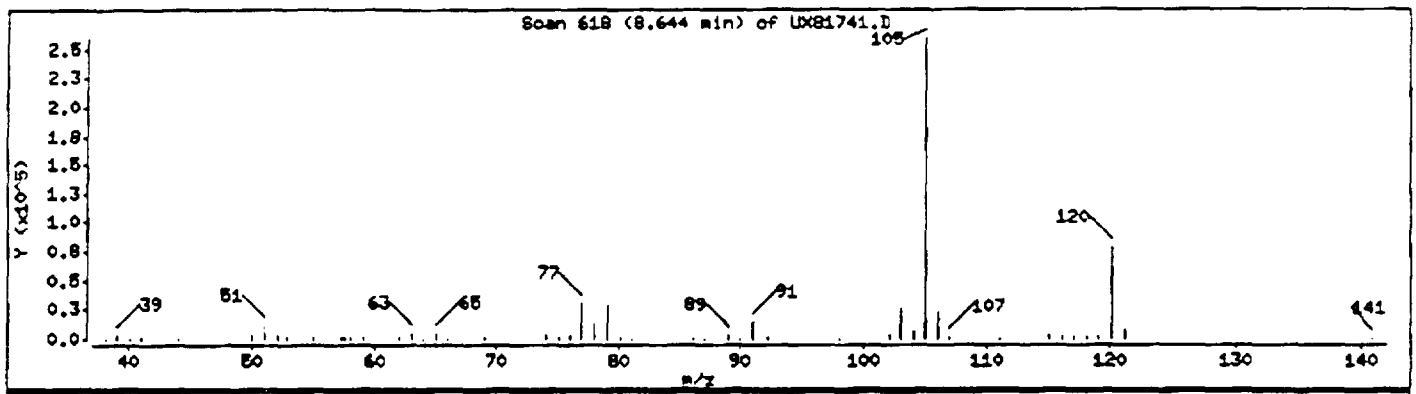
Operator: 2807

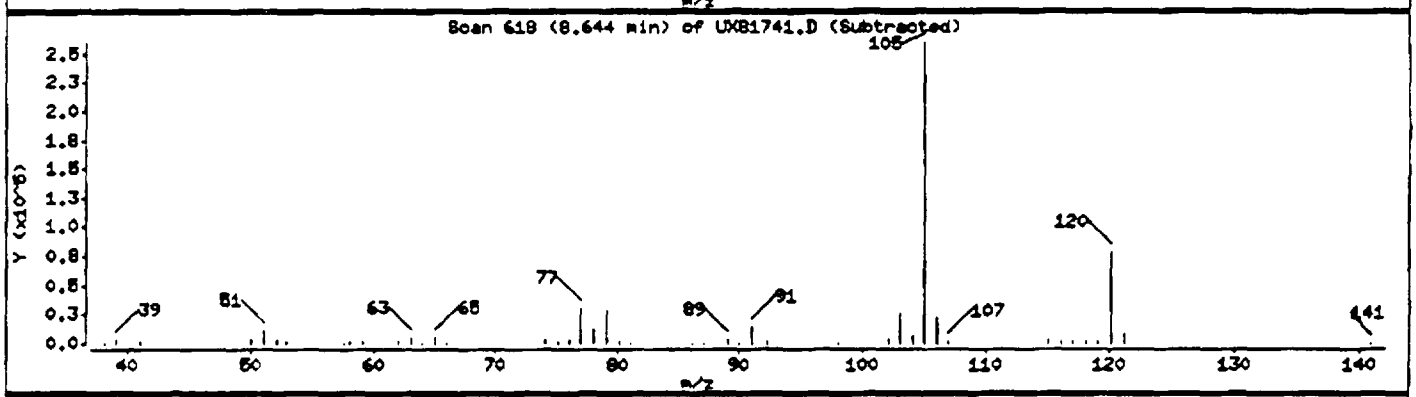
Column phase: DB624 20m

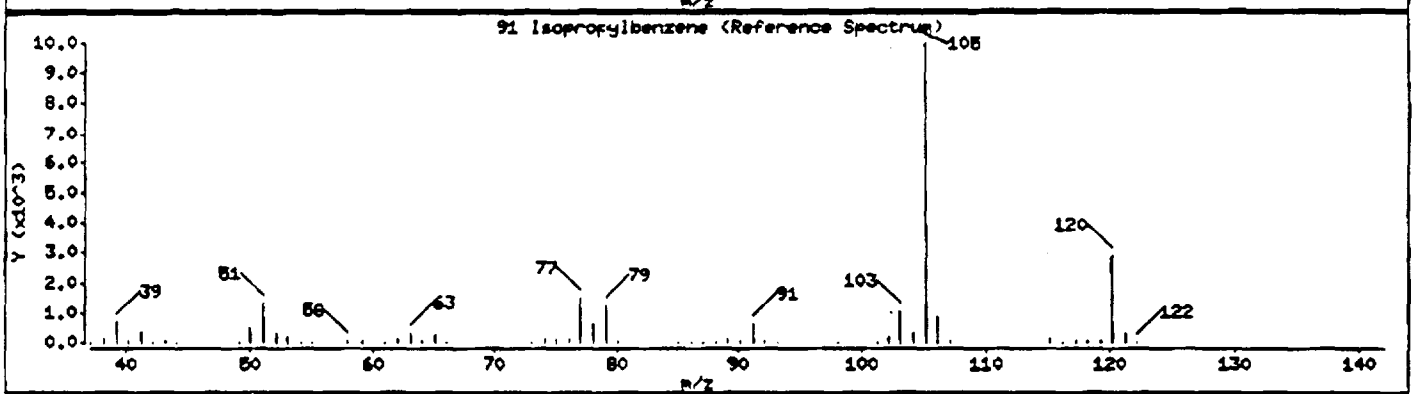
Column diameter: 0.18

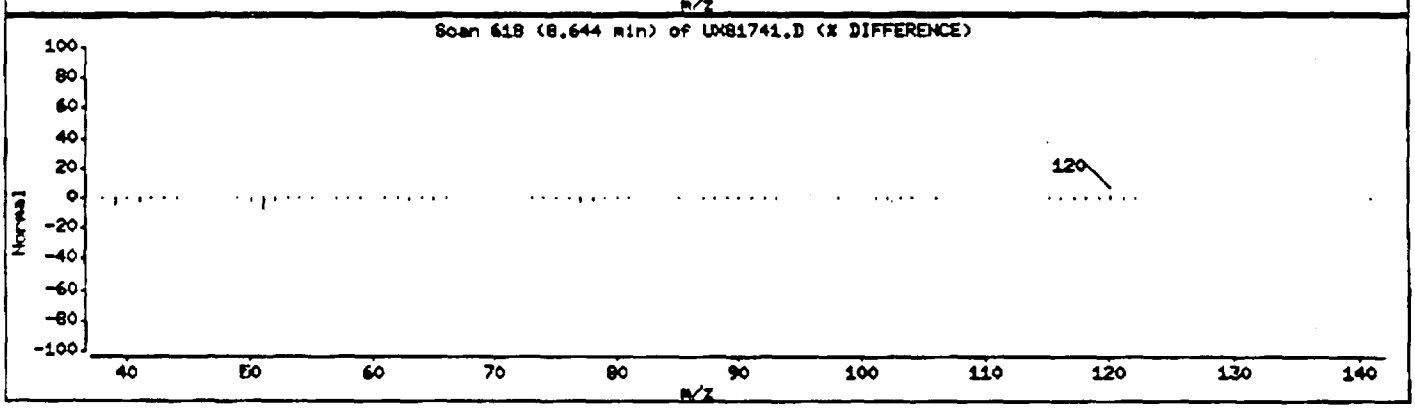
91 Isopropylbenzene

Concentration: 11622 UG/KG









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.: 0K04153

Instrument ID: A3I503 Calibration Date(s): 11/16/00 11/16/00

Heated Purge: (Y/N) Y Calibration Time(s): 1045 1248

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

LAB FILE ID: RRF10 =VOX5504 RRF20 =VOX5503
RRF50 =VOX5502 RRF100=VOX5501 RRF200=VOX5500

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	1.117	1.080	0.933	0.962	1.057	1.030	7.6
Bromomethane *	1.590	1.638	1.373	1.660	1.678	1.588	7.8*
Vinyl Chloride *	1.106	1.124	0.967	1.030	1.050	1.055	5.9*
Chloroethane	0.935	0.905	0.789	0.924	1.120	0.935	12.7
Methylene Chloride	1.425	1.472	1.220	1.343	1.380	1.368	7.0
Acetone	0.544	0.840	0.660	0.675	0.387	0.621	27.1
Carbon Disulfide	4.457	4.378	3.766	4.030	4.097	4.146	6.7
1,1-Dichloroethene *	1.513	1.497	1.323	1.450	1.595	1.476	6.8*
1,1-Dichloroethane *	3.449	3.512	3.068	3.277	3.377	3.337	5.2*
1,2-Dichloroethene (total)	1.587	1.610	1.391	1.504	1.547	1.528	5.7
Chloroform *	4.316	4.347	3.752	4.041	4.086	4.108	5.9*
1,2-Dichloroethane *	3.087	3.134	2.584	2.805	2.939	2.910	7.7*
2-Butanone	0.492	0.941	0.787	0.816	0.515	0.710	27.8
1,1,1-Trichloroethane *	0.947	0.979	0.840	0.907	0.914	0.917	5.6*
Carbon Tetrachloride *	0.996	1.036	0.883	0.919	0.931	0.953	6.5*
Bromodichloromethane *	1.011	1.075	0.897	0.987	1.009	0.996	6.5*
1,2-Dichloropropane	0.428	0.454	0.369	0.412	0.431	0.419	7.5
cis-1,3-Dichloropropene *	0.607	0.686	0.580	0.650	0.690	0.643	7.5*
Trichloroethene *	0.475	0.506	0.441	0.473	0.506	0.480	5.7*
Dibromochloromethane *	0.852	0.939	0.772	0.840	0.920	0.865	7.7*
1,1,2-Trichloroethane *	0.355	0.380	0.303	0.331	0.367	0.347	8.8*
Benzene *	0.916	0.957	0.804	0.871	0.889	0.887	6.4*
trans-1,3-Dichloropropene *	0.554	0.630	0.534	0.603	0.660	0.596	8.8*
Bromoform *	0.643	0.711	0.571	0.628	0.726	0.656	9.6*
4-Methyl-2-pentanone	0.112	0.121	0.100	0.101	0.101	0.107	8.7
2-Hexanone	0.229	0.393	0.352	0.342	0.222	0.308	25.2
Tetrachloroethene *	0.537	0.548	0.475	0.509	0.542	0.522	5.8*
1,1,2,2-Tetrachloroethane *	0.653	0.708	0.531	0.553	0.620	0.613	11.8*
Toluene *	1.158	1.165	1.018	1.081	1.086	1.102	5.5*
Chlorobenzene *	1.073	1.038	0.890	0.964	1.019	0.997	7.2*
Ethylbenzene *	0.458	0.466	0.404	0.432	0.453	0.443	5.6*
Styrene *	0.919	0.974	0.849	0.931	1.040	0.943	7.5*
Xylenes (total) *	0.552	0.590	0.512	0.563	0.635	0.570	8.0*
Toluene-d8	1.038	1.034	1.026	1.016	1.004	1.024	1.4
Bromofluorobenzene *	0.898	0.922	0.876	0.894	0.949	0.908	3.1*
1,2-Dichloroethane-d4	2.633	2.611	2.413	2.433	2.491	2.516	4.0

* 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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Instrument ID: A3UX8A Calibration Date(s): 11/05/00 11/05/00

Heated Purge: (Y/N) N Calibration Time(s): 1016 1148

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

LAB FILE ID: RRF10 =UX81435 RRF20 =UX81434
RRF50 =UX81433 RRF100=UX81432 RRF200=UX81431

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		0.828	0.855	0.821	0.782	0.818	0.821	3.1
Bromomethane	*	0.799	0.828	0.791	0.720	0.682	0.764	7.9*
Vinyl Chloride	*	1.196	1.272	1.222	1.155	1.161	1.201	4.0*
Chloroethane		0.709	0.752	0.740	0.693	0.672	0.713	4.6
Methylene Chloride		2.435	2.166	1.942	1.780	1.842	2.033	13.2
Acetone		0.330	0.302	0.281	0.250	0.253	0.283	11.9
Carbon Disulfide		5.771	5.978	5.821	5.518	5.708	5.759	2.9
1,1-Dichloroethene	*	1.850	1.954	1.887	1.798	1.898	1.877	3.1*
1,1-Dichloroethane	*	3.047	3.039	2.973	2.892	3.159	3.022	3.3*
1,2-Dichloroethene (total)		2.159	2.200	2.139	2.060	2.238	2.159	3.1
Chloroform	*	3.197	3.203	3.096	2.997	3.216	3.142	3.0*
1,2-Dichloroethane	*	1.841	1.851	1.772	1.685	1.759	1.782	3.8*
2-Butanone		0.229	0.234	0.212	0.206	0.217	0.220	5.3
1,1,1-Trichloroethane	*	0.391	0.400	0.396	0.378	0.395	0.392	2.2*
Carbon Tetrachloride	*	0.366	0.376	0.372	0.360	0.386	0.372	2.7*
Bromodichloromethane	*	0.308	0.306	0.303	0.298	0.311	0.305	1.7*
1,2-Dichloropropane		0.246	0.243	0.238	0.227	0.232	0.237	3.3
cis-1,3-Dichloropropene	*	0.307	0.328	0.332	0.327	0.344	0.328	4.1*
Trichloroethene	*	0.342	0.340	0.331	0.318	0.341	0.334	2.9*
Dibromochloromethane	*	0.220	0.225	0.231	0.226	0.236	0.228	2.7*
1,1,2-Trichloroethane	*	0.189	0.192	0.189	0.182	0.186	0.188	1.9*
Benzene	*	1.127	1.133	1.110	1.058	1.099	1.105	2.7*
trans-1,3-Dichloropropene	*	0.282	0.289	0.300	0.299	0.313	0.297	3.9*
Bromoform	*	0.122	0.127	0.132	0.131	0.137	0.130	4.2*
4-Methyl-2-pentanone		0.048	0.054	0.056	0.057	0.061	0.055	8.2
2-Hexanone		0.052	0.056	0.061	0.060	0.067	0.059	9.5
Tetrachloroethene	*	0.362	0.370	0.354	0.338	0.375	0.360	4.0*
1,1,2,2-Tetrachloroethane	*	0.189	0.197	0.200	0.193	0.199	0.196	2.3*<-
Toluene	*	1.632	1.614	1.555	1.473	1.549	1.565	4.0*
Chlorobenzene	*	1.035	1.036	1.009	0.958	1.011	1.010	3.1*
Ethylbenzene	*	0.554	0.572	0.569	0.545	0.575	0.563	2.3*
Styrene	*	0.996	1.023	1.041	0.981	0.992	1.007	2.4*
Xylenes (total)	*	0.612	0.626	0.624	0.592	0.596	0.610	2.5*
Toluene-d8		1.349	1.350	1.327	1.299	1.329	1.331	1.5
Bromofluorobenzene	*	0.416	0.409	0.418	0.416	0.418	0.415	0.9*
1,2-Dichloroethane-d4		1.517	1.525	1.481	1.482	1.516	1.504	1.4

* 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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Instrument ID: A3UX8A Calibration Date(s): 11/15/00 11/15/00

Heated Purge: (Y/N) N Calibration Time(s): 1815 1947

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

LAB FILE ID: RRF10 =UX81734 RRF20 =UX81733
RRF50 =UX81732 RRF100=UX81731 RRF200=UX81730

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		0.612	0.636	0.636	0.708	0.688	0.656	6.2
Bromomethane	*	0.683	0.738	0.727	0.786	0.702	0.727	5.4*
Vinyl Chloride	*	0.914	0.949	0.943	1.098	1.035	0.988	7.7*
Chloroethane		0.631	0.662	0.673	0.763	0.692	0.684	7.2
Methylene Chloride		1.757	1.830	1.769	1.982	1.868	1.841	4.9
Acetone		0.323	0.237	0.294	0.291	0.269	0.283	11.3
Carbon Disulfide		4.970	5.327	5.006	6.147	5.872	5.464	9.6
1,1-Dichloroethene	*	1.696	1.775	1.782	2.025	1.958	1.847	7.5*
1,1-Dichloroethane	*	2.799	2.912	2.997	3.156	3.055	2.984	4.6*
1,2-Dichloroethene (total)		1.941	2.041	2.153	2.302	2.184	2.124	6.5
Chloroform	*	2.915	3.078	3.176	3.368	3.201	3.148	5.3*
1,2-Dichloroethane	*	1.659	1.726	1.773	1.826	1.707	1.738	3.7*
2-Butanone		0.256	0.236	0.263	0.248	0.234	0.247	5.1
1,1,1-Trichloroethane	*	0.377	0.400	0.405	0.424	0.394	0.400	4.3*
Carbon Tetrachloride	*	0.358	0.377	0.396	0.414	0.391	0.387	5.4*
Bromodichloromethane	*	0.302	0.320	0.326	0.334	0.320	0.320	3.7*
1,2-Dichloropropane		0.228	0.243	0.243	0.245	0.228	0.237	3.6
cis-1,3-Dichloropropene	*	0.352	0.389	0.407	0.421	0.400	0.394	6.6*
Trichloroethene	*	0.347	0.339	0.362	0.372	0.354	0.355	3.7*
Dibromochloromethane	*	0.225	0.244	0.254	0.259	0.247	0.246	5.3*
1,1,2-Trichloroethane	*	0.192	0.206	0.202	0.208	0.196	0.201	3.3*
Benzene	*	1.066	1.102	1.137	1.158	1.074	1.107	3.6*
trans-1,3-Dichloropropene	*	0.294	0.315	0.335	0.341	0.327	0.322	5.8*
Bromoform	*	0.126	0.140	0.151	0.154	0.143	0.143	7.6*
4-Methyl-2-pentanone		0.049	0.052	0.060	0.063	0.065	0.058	12.2
2-Hexanone		0.053	0.051	0.071	0.072	0.073	0.064	17.1
Tetrachloroethene	*	0.357	0.356	0.378	0.396	0.390	0.375	4.9*
1,1,2,2-Tetrachloroethane	*	0.186	0.201	0.213	0.214	0.202	0.203	5.6*<-
Toluene	*	1.484	1.554	1.605	1.652	1.592	1.577	4.0*
Chlorobenzene	*	0.986	1.022	1.060	1.086	1.041	1.039	3.7*
Ethylbenzene	*	0.522	0.549	0.590	0.608	0.581	0.570	6.0*
Styrene	*	0.947	1.027	1.089	1.100	1.007	1.034	6.1*
Xylenes (total)	*	0.576	0.615	0.653	0.656	0.599	0.620	5.5*
Toluene-d8		1.245	1.259	1.307	1.338	1.298	1.289	2.9
Bromofluorobenzene	*	0.389	0.408	0.428	0.432	0.407	0.413	4.3*
1,2-Dichloroethane-d4		1.359	1.361	1.410	1.492	1.415	1.407	3.9

* 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/a31503.i/X01116A.b/VOX5500.d

Date : 16-NOV-2000 10:46

Client ID: VSTD200

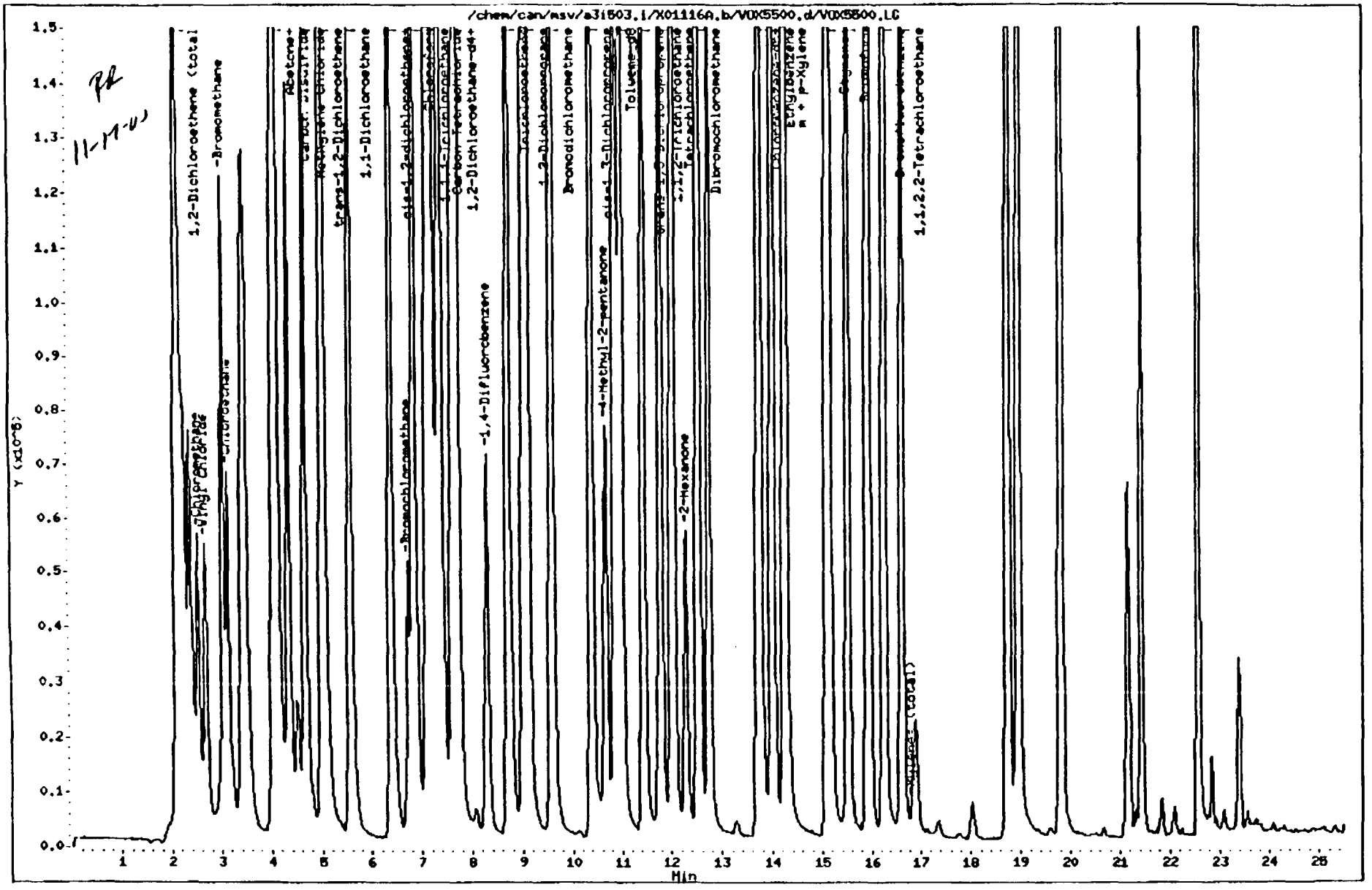
Sample Info: 1000NG-IC

Column phase: RTX502.2

Instrument: a31503.i

Operator: 1904

Column diameter: 0.53



STL North Canton

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5500.d
Lab Smp Id: 1000NG-IC Client Smp ID: VSTD200
Inj Date : 16-NOV-2000 10:45
Operator : 1904 Inst ID: a3i503.i
Smp Info : 1000NG-IC
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:02 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.725	6.725	(1.000)	27927	250.000	
* 2 1,4-Difluorobenzene	114	8.284	8.284	(1.000)	122409	250.000	
* 3 Chlorobenzene-d5	117	13.678	13.678	(1.000)	125838	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.597	7.597	(1.130)	278304	1000.00	990.01
$ 5 Toluene-d8	98	10.845	10.845	(0.793)	505135	1000.00	980.52
$ 6 Bromofluorobenzene	95	16.253	16.253	(1.188)	477883	1000.00	1045.6(A)
8 Chloromethane	50	2.504	2.504	(0.372)	118067	1000.00	1026.3(A)
10 Bromomethane	94	3.005	3.005	(0.447)	187419	1000.00	1056.8(A)
9 Vinyl Chloride	62	2.661	2.661	(0.396)	117315	1000.00	994.92
11 Chloroethane	64	3.119	3.119	(0.464)	125105	1000.00	1198.1(A)
16 Methylene Chloride	84	4.650	4.650	(0.691)	154103	1000.00	1008.4(A)
14 Acetone	43	4.106	4.106	(0.611)	43268	1000.00	623.28
17 Carbon Disulfide	76	4.321	4.321	(0.643)	457655	1000.00	988.21
15 1,1-Dichloroethene	96	4.035	4.035	(0.600)	178193	1000.00	1081.0(A)
21 1,1-Dichloroethane	63	5.551	5.551	(0.826)	377273	1000.00	1012.2(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 trans-1,2-Dichloroethene	96	4.993	4.993	(0.743)	169426	1000.00	1002.6(A)
	23 cis-1,2-dichloroethene	96	6.367	6.367	(0.947)	176213	1000.00	1022.5(A)
M	81 1,2-Dichloroethene (total)	96				345639	2000.00	2025.4(A)
	24 Chloroform	83	6.839	6.839	(1.017)	456401	1000.00	994.48
	27 1,2-Dichloroethane	62	7.712	7.712	(1.147)	328287	1000.00	1009.9(A)
	22 2-Butanone	43	6.395	6.395	(0.951)	57517	1000.00	724.94
	25 1,1,1-Trichloroethane	97	7.111	7.111	(0.858)	447571	1000.00	996.12
	26 Carbon Tetrachloride	117	7.368	7.368	(0.889)	455842	1000.00	976.75
	31 Bromodichloromethane	83	9.572	9.572	(1.155)	494120	1000.00	1013.4(A)
	30 1,2-Dichloropropene	63	9.085	9.085	(1.097)	210854	1000.00	1028.5(A)
	34 cis-1,3-Dichloropropene	75	10.359	10.359	(1.250)	337881	1000.00	1073.8(A)
	29 Trichloroethene	130	8.713	8.713	(1.052)	247966	1000.00	1054.0(A)
	40 Dibromochloromethane	129	12.533	12.533	(1.513)	450403	1000.00	1063.9(A)
	38 1,1,2-Trichloroethane	97	11.761	11.761	(1.420)	179853	1000.00	1057.8(A)
	28 Benzene	78	7.669	7.669	(0.926)	435312	1000.00	1001.6(A)
	36 trans-1,3-Dichloropropene	75	11.417	11.417	(1.378)	323393	1000.00	1107.7(A)
	46 Bromoform	173	15.509	15.509	(1.872)	355266	1000.00	1106.4(A)
	33 4-Methyl-2-pentanone	58	10.659	10.659	(0.779)	50726	1000.00	942.00
	37 2-Hexanone	43	12.276	12.276	(0.897)	111918	1000.00	722.42
	39 Tetrachloroethene	164	12.018	12.018	(0.879)	272969	1000.00	1038.0(A)
	47 1,1,2,2-Tetrachloroethane	83	16.640	16.640	(1.217)	312010	1000.00	1011.1(A)
	35 Toluene	91	10.974	10.974	(0.802)	546549	1000.00	985.76
	41 Chlorobenzene	112	13.735	13.735	(1.004)	512976	1000.00	1022.2(A)
	42 Ethylbenzene	106	13.993	13.993	(1.023)	228050	1000.00	1023.4(A)
	45 Styrene	104	15.123	15.123	(1.106)	523351	1000.00	1103.0(A)
	43 m + p-Xylene	106	14.236	14.236	(1.041)	630881	2000.00	2188.2(A)
	44 Xylene-o	106	15.094	15.094	(1.104)	319799	1000.00	1113.7(A)
M	80 Xylenes (total)	106				950680	1000.00	3310.8(A)

QC Flag Legend

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

Data File: /chem/can/msv/a31503.i/X01116A.b/VOX5501.d

Date : 16-NOV-2000 11:18

Client ID: VSTD100

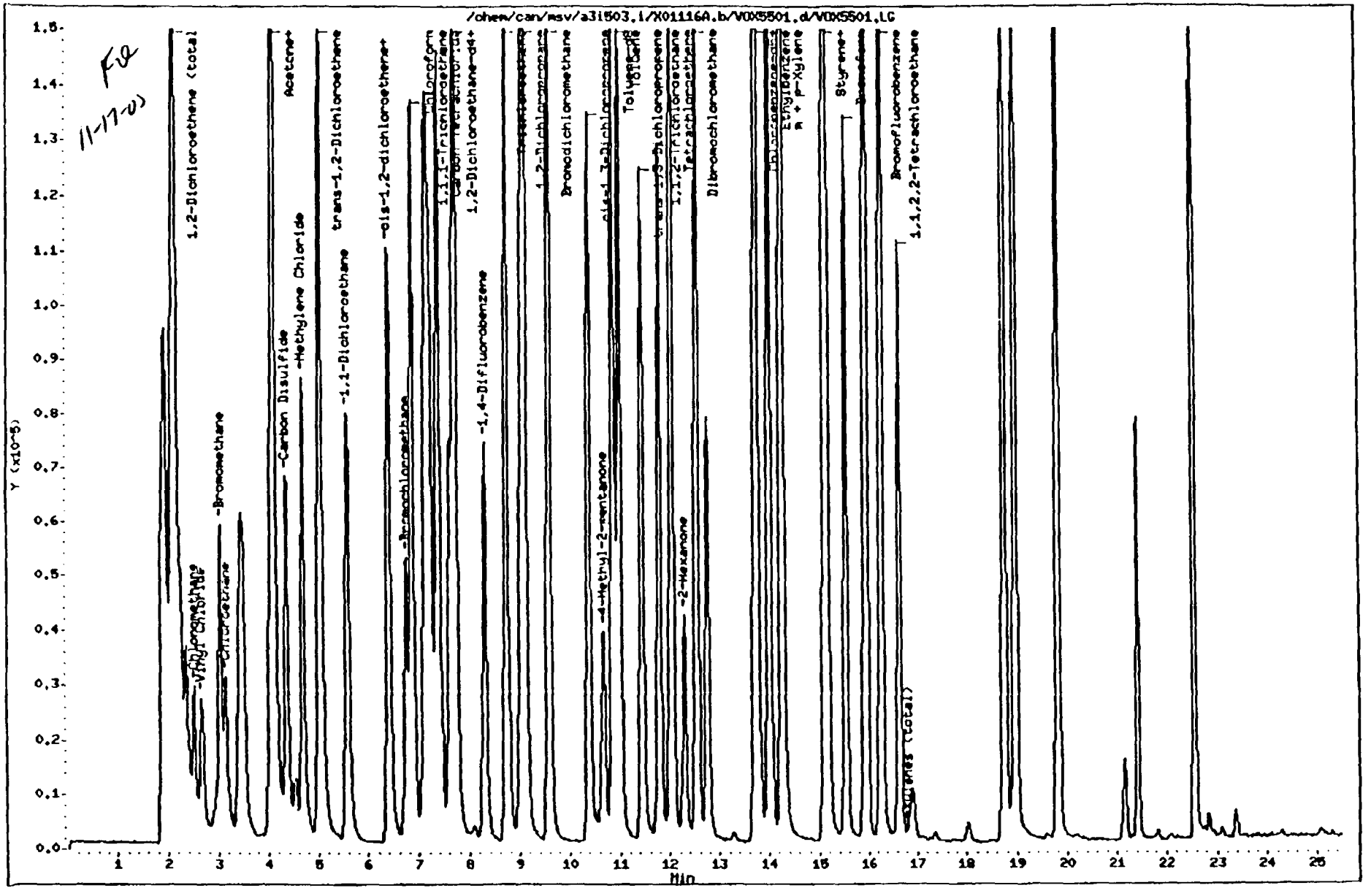
Sample Info: 500NG-IC

Column phase: RTX502.2

Instrument: a31503.i

Operator: 1904

Column diameter: 0.53



FQ 11-17-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5501.d
Lab Smp Id: 500NG-IC Client Smp ID: VSTD100
Inj Date : 16-NOV-2000 11:18
Operator : 1904 Inst ID: a3i503.i
Smp Info : 500NG-IC
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:03 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.739	6.739	(1.000)	29464	250.000	
* 2 1,4-Difluorobenzene	114	8.284	8.284	(1.000)	128491	250.000	
* 3 Chlorobenzene-d5	117	13.692	13.692	(1.000)	126029	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.597	7.597	(1.127)	143386	500.000	483.46
$ 5 Toluene-d8	98	10.859	10.859	(0.793)	256021	500.000	496.21
$ 6 Bromofluorobenzene	95	16.253	16.253	(1.187)	225463	500.000	492.54
8 Chloromethane	50	2.504	2.504	(0.372)	56675	500.000	466.96
10 Bromomethane	94	3.019	3.019	(0.448)	97802	500.000	522.72
9 Vinyl Chloride	62	2.661	2.661	(0.395)	60706	500.000	487.97
11 Chloroethane	64	3.133	3.133	(0.465)	54466	500.000	494.40
16 Methylene Chloride	84	4.664	4.664	(0.692)	79167	500.000	491.01
14 Acetone	43	4.121	4.121	(0.611)	39801	500.000	543.43
17 Carbon Disulfide	76	4.335	4.335	(0.643)	237503	500.000	486.08
15 1,1-Dichloroethene	96	4.049	4.049	(0.601)	85466	500.000	491.42
21 1,1-Dichloroethane	63	5.566	5.566	(0.826)	193102	500.000	491.08

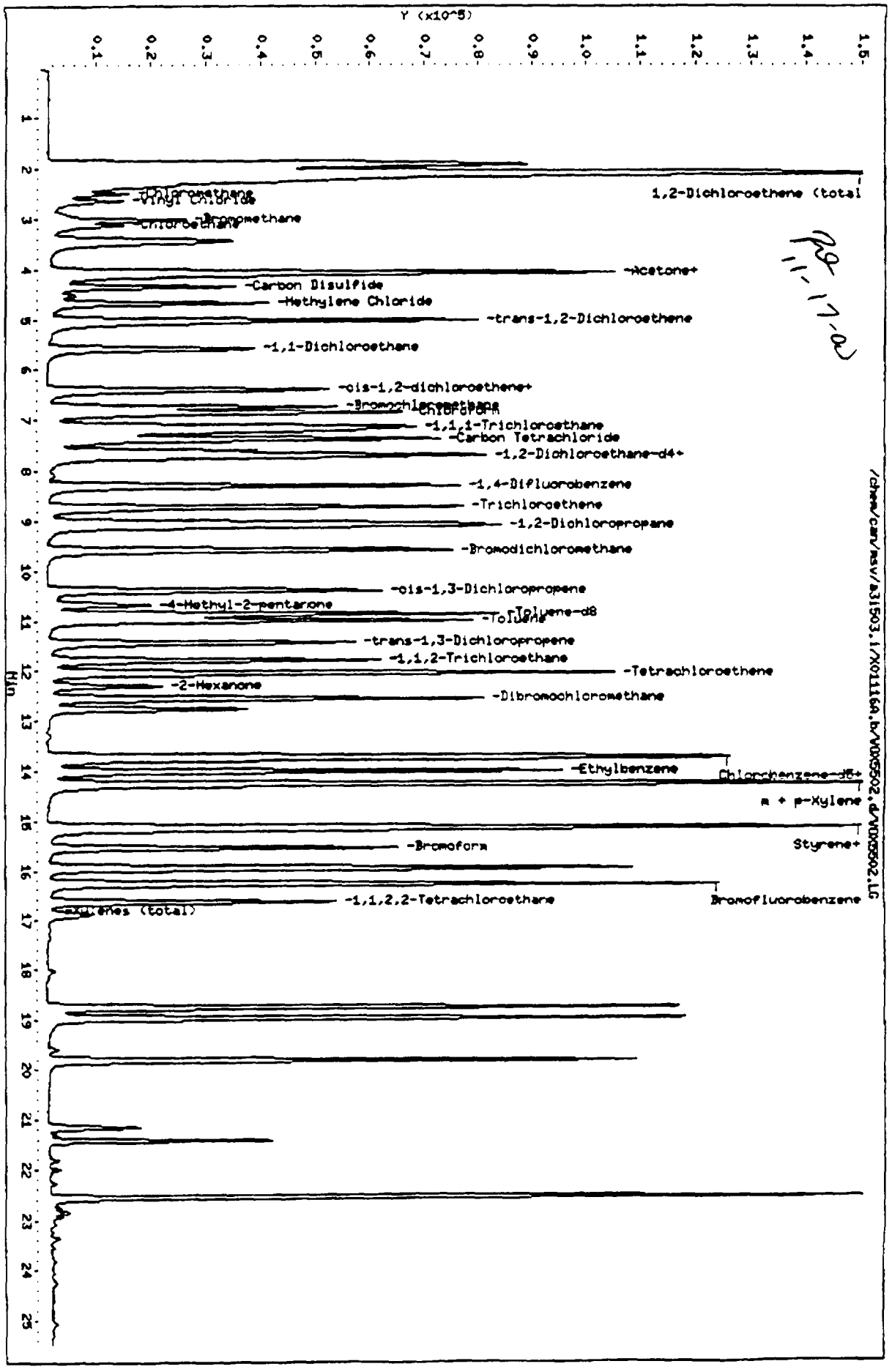
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	19 trans-1,2-Dichloroethene	96	5.008	5.008	(0.743)	87278	500.000	489.54
	23 cis-1,2-dichloroethene	96	6.381	6.381	(0.947)	89995	500.000	494.99
M	81 1,2-Dichloroethene (total)	96				177273	1000.00	984.58
	24 Chloroform	83	6.853	6.853	(1.017)	238142	500.000	491.83
	27 1,2-Dichloroethane	62	7.726	7.726	(1.146)	165277	500.000	481.93
	22 2-Butanone	43	6.410	6.410	(0.951)	48058	500.000	574.12
	25 1,1,1-Trichloroethane	97	7.111	7.111	(0.858)	233127	500.000	494.29
	26 Carbon Tetrachloride	117	7.368	7.368	(0.889)	236176	500.000	482.11
	31 Bromodichloromethane	83	9.586	9.586	(1.157)	253595	500.000	495.50
	30 1,2-Dichloropropane	63	9.100	9.100	(1.098)	105798	500.000	491.64
	34 cis-1,3-Dichloropropene	75	10.373	10.373	(1.252)	167108	500.000	505.94
	29 Trichloroethene	130	8.713	8.713	(1.052)	121680	500.000	492.72
	40 Dibromochloromethane	129	12.533	12.533	(1.513)	215879	500.000	485.78
	38 1,1,2-Trichloroethane	97	11.775	11.775	(1.421)	85141	500.000	477.05
	28 Benzene	78	7.683	7.683	(0.927)	223881	500.000	490.76
	36 trans-1,3-Dichloropropene	75	11.432	11.432	(1.380)	154975	500.000	505.69
	46 Bromoform	173	15.509	15.509	(1.872)	161515	500.000	479.19
	33 4-Methyl-2-pentanone	58	10.659	10.659	(0.778)	25540	500.000	473.57
	37 2-Hexanone	43	12.290	12.290	(0.898)	86299	500.000	556.20
	39 Tetrachloroethene	164	12.018	12.018	(0.878)	128288	500.000	487.08
	47 1,1,2,2-Tetrachloroethane	83	16.640	16.640	(1.215)	139351	500.000	450.90
	35 Toluene	91	10.988	10.988	(0.802)	272395	500.000	490.55
	41 Chlorobenzene	112	13.749	13.749	(1.004)	242967	500.000	483.41
	42 Ethylbenzene	106	13.993	13.993	(1.022)	109037	500.000	488.58
	45 Styrene	104	15.137	15.137	(1.106)	234746	500.000	494.02
	43 m + p-Xylene	106	14.250	14.250	(1.041)	286581	1000.00	992.48
	44 Xylene-o	106	15.109	15.109	(1.103)	141994	500.000	493.76
M	80 Xylenes (total)	106				428575	500.000	1490.3(A)

QC Flag Legend

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

Data File: /chem/carr/msv/a31503.i/X011160.b/VOX5502.d
Date : 16-NOV-2000 11:48
Client ID: VSIDO50
Sample Info: 250NG-IC
Column phase: RTX502.2

Instrument: a31503.i
Operator: 1904
Column diameter: 0.53



Page 4

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5502.d
Lab Smp Id: 250NG-IC Client Smp ID: VSTD050
Inj Date : 16-NOV-2000 11:48
Operator : 1904 Inst ID: a3i503.i
Smp Info : 250NG-IC
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:07 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.sub
Target Version: 3.50
Processing Host: hpuxcs3

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	6.725	6.725	(1.000)	29990	250.000	
* 2 1,4-Difluorobenzene	114	8.284	8.284	(1.000)	132411	250.000	
* 3 Chlorobenzene-d5	117	13.692	13.692	(1.000)	126627	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.597	7.597	(1.130)	72366	250.000	239.72
$ 5 Toluene-d8	98	10.859	10.859	(0.793)	129970	250.000	250.71
$ 6 Bromofluorobenzene	95	16.253	16.253	(1.187)	110866	250.000	241.05
8 Chloromethane	50	2.490	2.490	(0.370)	27991	250.000	226.58
10 Bromomethane	94	3.019	3.019	(0.449)	41171	250.000	216.18
9 Vinyl Chloride	62	2.633	2.633	(0.391)	29014	250.000	229.13
11 Chloroethane	64	3.133	3.133	(0.466)	23668	250.000	211.07
16 Methylene Chloride	84	4.664	4.664	(0.694)	36599	250.000	223.01
14 Acetone	43	4.106	4.106	(0.611)	19789	250.000	265.45
17 Carbon Disulfide	76	4.335	4.335	(0.645)	112955	250.000	227.12
15 1,1-Dichloroethene	96	4.049	4.049	(0.602)	39689	250.000	224.20
21 1,1-Dichloroethane	63	5.566	5.566	(0.828)	92002	250.000	229.87

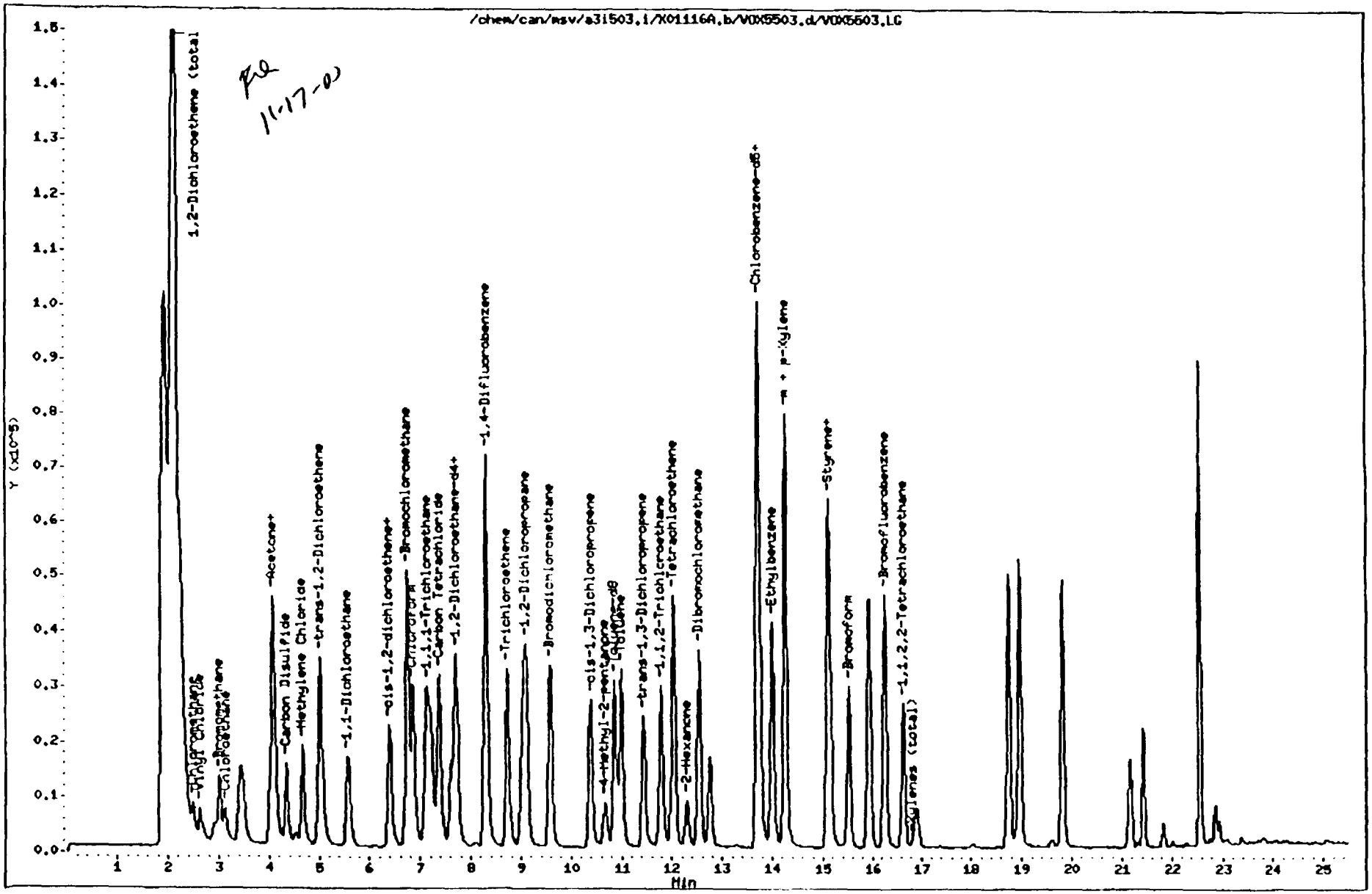
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 trans-1,2-Dichloroethene	96	5.008	5.008	(0.745)	41377	250.000	228.01
	23 cis-1,2-dichloroethene	96	6.381	6.381	(0.949)	42032	250.000	227.13
M	81 1,2-Dichloroethene (total)	96				83409	500.000	455.13
	24 Chloroform	83	6.839	6.839	(1.017)	112528	250.000	228.33
	27 1,2-Dichloroethane	62	7.712	7.712	(1.147)	77499	250.000	222.02
	22 2-Butanone	43	6.410	6.410	(0.953)	23610	250.000	277.11
	25 1,1,1-Trichloroethane	97	7.125	7.125	(0.860)	111304	250.000	229.01
	26 Carbon Tetrachloride	117	7.368	7.368	(0.889)	116916	250.000	231.60
	31 Bromodichloromethane	83	9.586	9.586	(1.157)	118758	250.000	225.17
	30 1,2-Dichloropropane	63	9.085	9.085	(1.097)	48868	250.000	220.37
	34 cis-1,3-Dichloropropene	75	10.373	10.373	(1.252)	76776	250.000	225.57
	29 Trichloroethene	130	8.713	8.713	(1.052)	58408	250.000	229.51
	40 Dibromochloromethane	129	12.533	12.533	(1.513)	102232	250.000	223.24
	38 1,1,2-Trichloroethane	97	11.775	11.775	(1.421)	40108	250.000	218.07
	28 Benzene	78	7.683	7.683	(0.927)	106532	250.000	226.61
	36 trans-1,3-Dichloropropene	75	11.432	11.432	(1.380)	70737	250.000	223.98
	46 Bromoform	173	15.524	15.524	(1.874)	75582	250.000	217.60
	33 4-Methyl-2-pentanone	58	10.673	10.673	(0.780)	12623	250.000	232.95
	37 2-Hexanone	43	12.290	12.290	(0.898)	44622	250.000	286.23
	39 Tetrachloroethene	164	12.018	12.018	(0.878)	60166	250.000	227.36
	47 1,1,2,2-Tetrachloroethane	83	16.640	16.640	(1.215)	67279	250.000	216.67
	35 Toluene	91	10.988	10.988	(0.802)	128982	250.000	231.18
	41 Chlorobenzene	112	13.749	13.749	(1.004)	112757	250.000	223.28
	42 Ethylbenzene	106	13.993	13.993	(1.022)	51131	250.000	228.03
	45 Styrene	104	15.137	15.137	(1.106)	107489	250.000	225.14
	43 m + p-Xylene	106	14.250	14.250	(1.041)	129495	500.000	446.35
	44 Xylene-o	106	15.094	15.094	(1.102)	64883	250.000	224.55
M	80 Xylenes (total)	106				194378	250.000	672.72

Data File: /chem/can/msv/a3i503.i/X01116A.b/VOX5503.d
Date : 16-NOV-2000 12:18
Client ID: VSTD020
Sample Info: 100NG-IC

Column phase: RTX502.2

Instrument: a3i503.i

Operator: 1904
Column diameter: 0.53



FL 11-17-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5503.d
Lab Smp Id: 100NG-IC Client Smp ID: VSTD020
Inj Date : 16-NOV-2000 12:18
Operator : 1904 Inst ID: a3i503.i
Smp Info : 100NG-IC
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:07 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.725	6.725	(1.000)	27555	250.000	
* 2 1,4-Difluorobenzene	114	8.284	8.284	(1.000)	120070	250.000	
* 3 Chlorobenzene-d5	117	13.692	13.692	(1.000)	114247	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.597	7.597	(1.130)	28783	100.000	103.77
$ 5 Toluene-d8	98	10.859	10.859	(0.793)	47255	100.000	101.03
$ 6 Bromofluorobenzene	95	16.253	16.253	(1.187)	42152	100.000	101.58
8 Chloromethane	50	2.490	2.490	(0.370)	11906	100.000	104.89
10 Bromomethane	94	3.005	3.005	(0.447)	18049	100.000	103.15
9 Vinyl Chloride	62	2.633	2.633	(0.391)	12392	100.000	106.51
11 Chloroethane	64	3.133	3.133	(0.466)	9974	100.000	96.810
16 Methylene Chloride	84	4.664	4.664	(0.694)	16221	100.000	107.58
14 Acetone	43	4.121	4.121	(0.613)	9262	100.000	135.22
17 Carbon Disulfide	76	4.335	4.335	(0.645)	48253	100.000	105.60
15 1,1-Dichloroethene	96	4.049	4.049	(0.602)	16497	100.000	101.43
21 1,1-Dichloroethane	63	5.580	5.580	(0.830)	38704	100.000	105.25

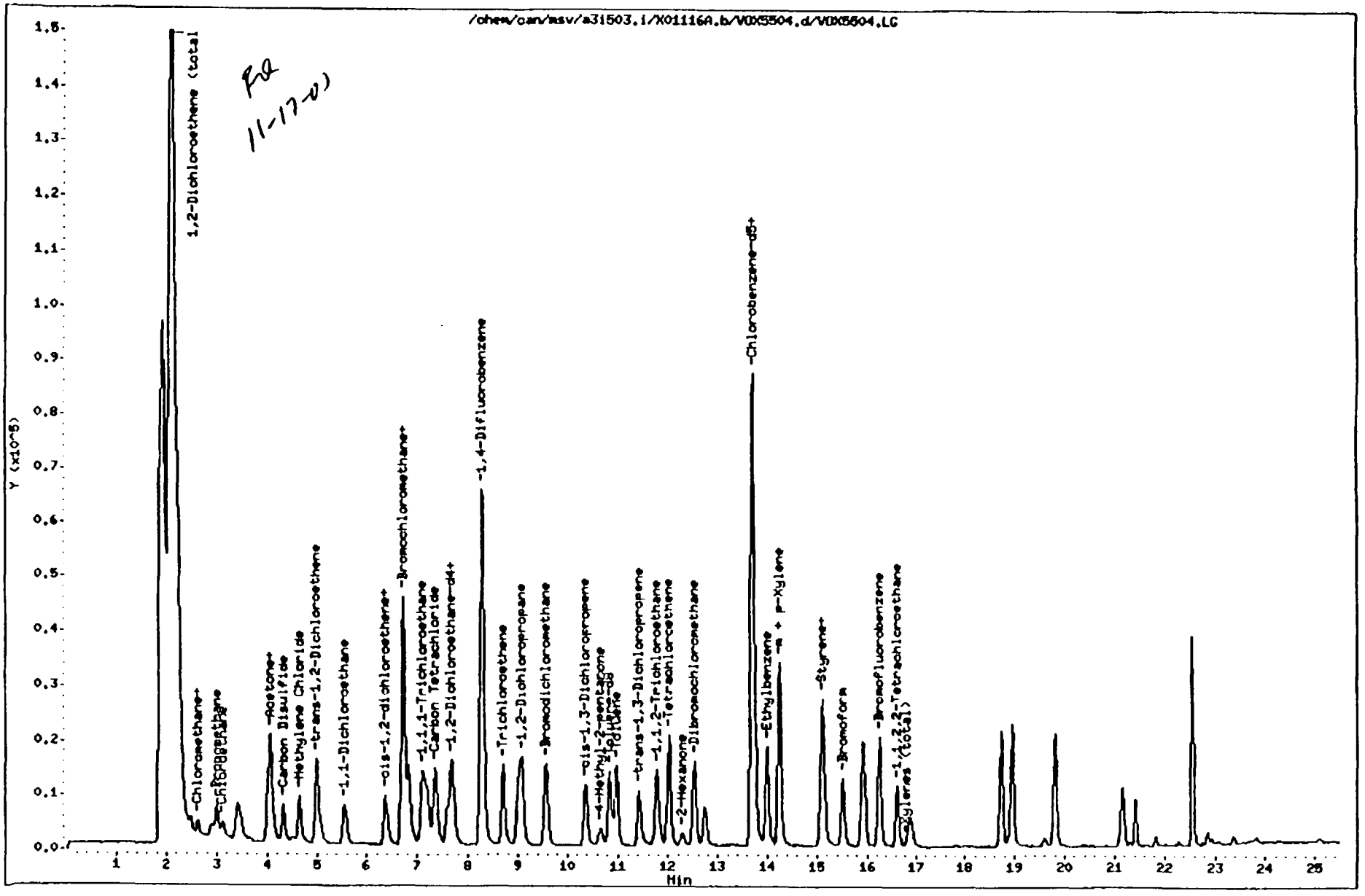
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 trans-1,2-Dichloroethene	96	5.008	5.008	(0.745)	17653	100.000	105.88
	23 cis-1,2-dichloroethene	96	6.381	6.381	(0.949)	17833	100.000	104.88
M	81 1,2-Dichloroethene (total)	96				35486	200.000	210.74
	24 Chloroform	83	6.853	6.853	(1.019)	47910	100.000	105.80
	27 1,2-Dichloroethane	62	7.712	7.712	(1.147)	34549	100.000	107.72
	22 2-Butanone	43	6.395	6.395	(0.951)	10375	100.000	132.53
	25 1,1,1-Trichloroethane	97	7.111	7.111	(0.858)	47022	100.000	106.69
	26 Carbon Tetrachloride	117	7.368	7.368	(0.889)	49779	100.000	108.74
	31 Bromodichloromethane	83	9.572	9.572	(1.155)	51617	100.000	107.93
	30 1,2-Dichloropropane	63	9.100	9.100	(1.098)	21805	100.000	108.43
	34 cis-1,3-Dichloropropene	75	10.373	10.373	(1.252)	32928	100.000	106.68
	29 Trichloroethene	130	8.713	8.713	(1.052)	24317	100.000	105.37
	40 Dibromochloromethane	129	12.533	12.533	(1.513)	45094	100.000	108.59
	38 1,1,2-Trichloroethane	97	11.775	11.775	(1.421)	18230	100.000	109.31
	28 Benzene	78	7.683	7.683	(0.927)	45951	100.000	107.79
	36 trans-1,3-Dichloropropene	75	11.417	11.417	(1.378)	30248	100.000	105.62
	46 Bromoform	173	15.509	15.509	(1.872)	34133	100.000	108.37
	33 4-Methyl-2-pentanone	58	10.659	10.659	(0.778)	5527	100.000	113.05
	37 2-Hexanone	43	12.276	12.276	(0.897)	17963	100.000	127.71
	39 Tetrachloroethene	164	12.018	12.018	(0.878)	25065	100.000	104.98
	47 1,1,2,2-Tetrachloroethane	83	16.640	16.640	(1.215)	32365	100.000	115.52
	35 Toluene	91	10.974	10.974	(0.801)	53221	100.000	105.73
	41 Chlorobenzene	112	13.749	13.749	(1.004)	47457	100.000	104.16
	42 Ethylbenzene	106	13.993	13.993	(1.022)	21278	100.000	105.18
	45 Styrene	104	15.137	15.137	(1.106)	44513	100.000	103.34
	43 m + p-Xylene	106	14.250	14.250	(1.041)	53512	200.000	204.43
	44 Xylene-o	106	15.094	15.094	(1.102)	26940	100.000	103.34
M	80 Xylenes (total)	106				80452	100.000	308.61

Data File: /chem/can/msv/a31503.i/X01116A.b/VOX5504.d
Date : 16-NOV-2000 12:48
Client ID: VSTD010
Sample Info: 50NG-IC

Instrument: a31503.i

Operator: 1904
Column diameter: 0.53

Column phase: RTX502.2



FA
11-17-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5504.d
Lab Smp Id: 50NG-IC Client Smp ID: VSTD010
Inj Date : 16-NOV-2000 12:48
Operator : 1904 Inst ID: a3i503.i
Smp Info : 50NG-IC
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:07 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.710	6.710	(1.000)	25161	250.000	
* 2 1,4-Difluorobenzene	114	8.270	8.270	(1.000)	112741	250.000	
* 3 Chlorobenzene-d5	117	13.678	13.678	(1.000)	103097	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.583	7.583	(1.130)	13252	50.0000	52.324
$ 5 Toluene-d8	98	10.845	10.845	(0.793)	21396	50.0000	50.693
$ 6 Bromofluorobenzene	95	16.253	16.253	(1.188)	18523	50.0000	49.466(a)
8 Chloromethane	50	2.475	2.475	(0.369)	5620	50.0000	54.224
10 Bromomethane	94	2.990	2.990	(0.446)	8001	50.0000	50.076
9 Vinyl Chloride	62	2.618	2.618	(0.390)	5564	50.0000	52.374
11 Chloroethane	64	3.119	3.119	(0.465)	4707	50.0000	50.034
16 Methylene Chloride	84	4.650	4.650	(0.693)	7172	50.0000	52.089
14 Acetone	43	4.106	4.106	(0.612)	2739	50.0000	43.793(a)
17 Carbon Disulfide	76	4.321	4.321	(0.644)	22430	50.0000	53.757
15 1,1-Dichloroethene	96	4.035	4.035	(0.601)	7612	50.0000	51.254
21 1,1-Dichloroethane	63	5.551	5.551	(0.827)	17355	50.0000	51.683

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 trans-1,2-Dichloroethene	96	4.993	4.993	(0.744)	7974	50.0000	52.375
23 cis-1,2-dichloroethene	96	6.367	6.367	(0.949)	7997	50.0000	51.507
M 81 1,2-Dichloroethene (total)	96				15971	100.000	103.87
24 Chloroform	83	6.825	6.825	(1.017)	21718	50.0000	52.525
27 1,2-Dichloroethane	62	7.712	7.712	(1.149)	15535	50.0000	53.046
22 2-Butanone	43	6.395	6.395	(0.953)	2477	50.0000	34.652(a)
25 1,1,1-Trichloroethane	97	7.097	7.097	(0.858)	21361	50.0000	51.618
26 Carbon Tetrachloride	117	7.354	7.354	(0.889)	22464	50.0000	52.262
31 Bromodichloromethane	83	9.572	9.572	(1.157)	22804	50.0000	50.781
30 1,2-Dichloropropane	63	9.071	9.071	(1.097)	9652	50.0000	51.119
34 cis-1,3-Dichloropropene	75	10.359	10.359	(1.253)	13696	50.0000	47.259(a)
29 Trichloroethene	130	8.699	8.699	(1.052)	10713	50.0000	49.440(a)
40 Dibromochloromethane	129	12.519	12.519	(1.514)	19218	50.0000	49.286(a)
38 1,1,2-Trichloroethane	97	11.761	11.761	(1.422)	8008	50.0000	51.137
28 Benzene	78	7.669	7.669	(0.927)	20664	50.0000	51.624
36 trans-1,3-Dichloropropene	75	11.417	11.417	(1.381)	12487	50.0000	46.438(a)
46 Bromoform	173	15.509	15.509	(1.875)	14508	50.0000	49.056(a)
33 4-Methyl-2-pentanone	58	10.659	10.659	(0.779)	2313	50.0000	52.428
37 2-Hexanone	43	12.276	12.276	(0.897)	4716	50.0000	37.156(a)
39 Tetrachloroethene	164	12.018	12.018	(0.879)	11081	50.0000	51.430
47 1,1,2,2-Tetrachloroethane	83	16.640	16.640	(1.217)	13465	50.0000	53.260
35 Toluene	91	10.974	10.974	(0.802)	23874	50.0000	52.557
41 Chlorobenzene	112	13.735	13.735	(1.004)	22127	50.0000	53.816
42 Ethylbenzene	106	13.993	13.993	(1.023)	9453	50.0000	51.779
45 Styrene	104	15.137	15.137	(1.107)	18950	50.0000	46.750(a)
43 m + p-Xylene	106	14.236	14.236	(1.041)	23587	100.000	99.856
44 Xylene-o	106	15.094	15.094	(1.104)	11376	50.0000	48.357(a)
M 80 Xylenes (total)	106				34963	50.0000	148.62

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01105A.b\UX81431.D

Date : 05-NOV-2000 10:16

Client ID:

Sample Info: 1000NG-IC

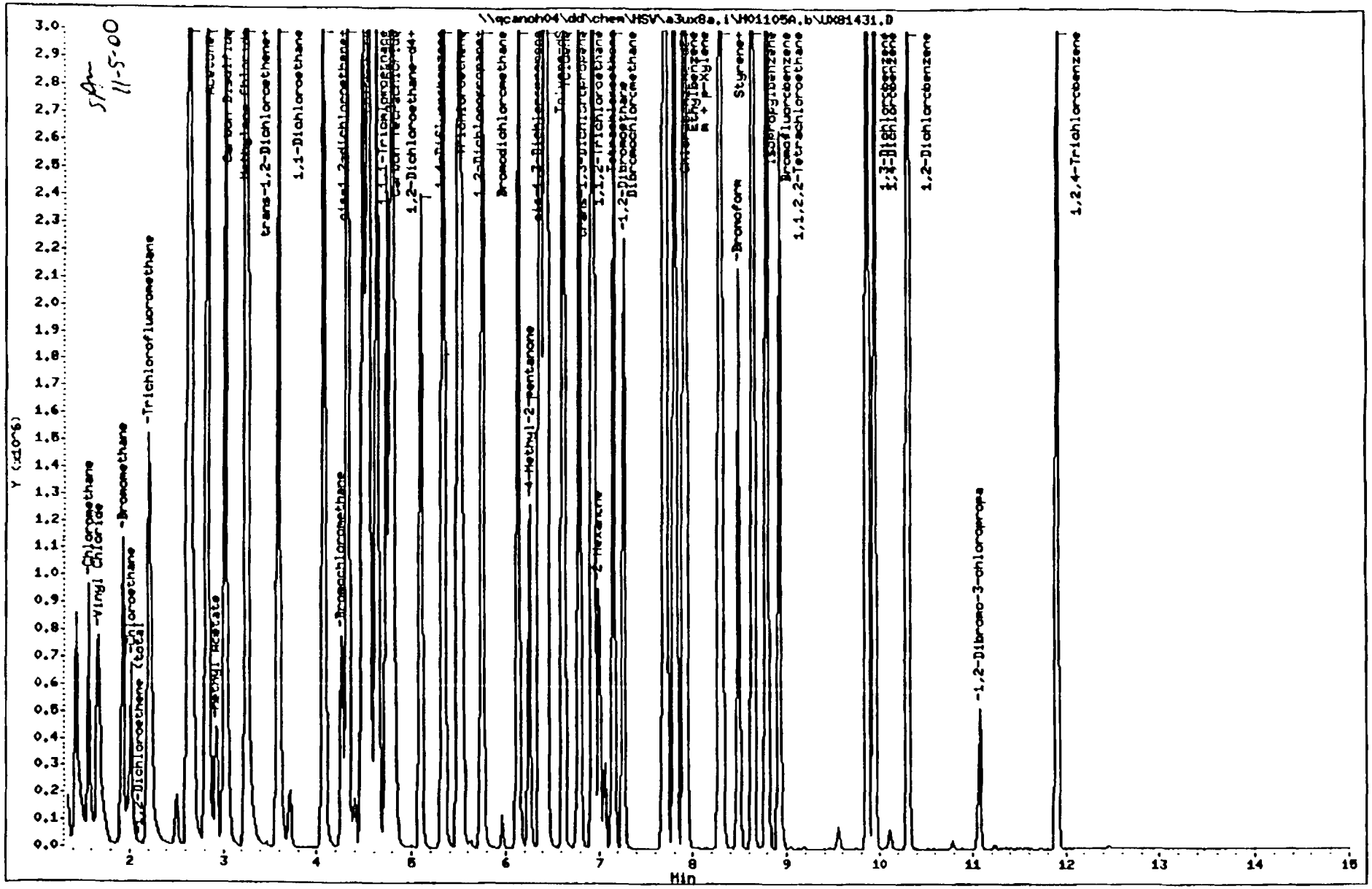
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\UX81431.D
Lab Smp Id: 1000NG-IC
Inj Date : 05-NOV-2000 10:16
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 1000NG-IC
Misc Info : M01105A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\8240LCLPUX8.m
Meth Date : 05-Nov-2000 12:12 macenczaks Quant Type: ISTD
Cal Date : 05-NOV-2000 10:16 Cal File: UX81431.D
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.258	4.258	(1.000)	324979	250.000	
* 2 1,4-Difluorobenzene	114	5.098	5.098	(1.000)	2385247	250.000	
* 3 Chlorobenzene-d5	117	7.689	7.689	(1.000)	1864120	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.731	4.731	(1.111)	1970081	1000.00	1000.0
$ 5 Toluene-d8	98	6.376	6.376	(0.829)	9910772	1000.00	1000.0
$ 6 Bromofluorobenzene	95	8.790	8.790	(1.143)	3117459	1000.00	1000.0
8 Chloromethane	50	1.560	1.560	(0.366)	1063066	1000.00	1000.0
10 Bromomethane	94	1.927	1.927	(0.453)	886715	1000.00	1000.0
9 Vinyl Chloride	62	1.666	1.666	(0.391)	1509546	1000.00	1000.0
11 Chloroethane	64	2.010	2.010	(0.472)	873586	1000.00	1000.0
16 Methylene Chloride	84	3.015	3.015	(0.708)	2394514	1000.00	1000.0(A)
14 Acetone	43	2.660	2.660	(0.625)	329052	1000.00	1000.0
17 Carbon Disulfide	76	2.826	2.826	(0.664)	7419493	1000.00	1000.0
15 1,1-Dichloroethene	96	2.625	2.625	(0.617)	2467191	1000.00	1000.0(A)
21 1,1-Dichloroethane	63	3.583	3.583	(0.842)	4106376	1000.00	1000.0(A)
19 trans-1,2-Dichloroethene	96	3.252	3.252	(0.764)	2923189	1000.00	1000.0
23 cis-1,2-dichloroethene	96	4.068	4.068	(0.956)	2896196	1000.00	1000.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				5819385	2000.00	2000.0(A)
24 Chloroform	83	4.317	4.317	(1.014)	4180235	1000.00	1000.0(A)
27 1,2-Dichloroethane	62	4.802	4.802	(1.128)	2286434	1000.00	1000.0
22 2-Butanone	43	4.057	4.057	(0.953)	282624	1000.00	1000.0
25 1,1,1-Trichloroethane	97	4.483	4.483	(0.879)	3766786	1000.00	1000.0
26 Carbon Tetrachloride	117	4.625	4.625	(0.907)	3683037	1000.00	1000.0
31 Bromodichloromethane	83	5.749	5.749	(1.128)	2971873	1000.00	1000.0
30 1,2-Dichloropropane	63	5.512	5.512	(1.081)	2211140	1000.00	1000.0
34 cis-1,3-Dichloropropene	75	6.127	6.127	(1.202)	3284571	1000.00	1000.0
29 Trichloroethene	130	5.335	5.335	(1.046)	3250047	1000.00	1000.0(A)
40 Dibromochloromethane	129	7.145	7.145	(1.402)	2252503	1000.00	1000.0(A)
38 1,1,2-Trichloroethane	97	6.790	6.790	(1.332)	1780141	1000.00	1000.0
28 Benzene	78	4.790	4.790	(0.940)	10481834	1000.00	1000.0
36 trans-1,3-Dichloropropene	75	6.612	6.612	(1.297)	2982628	1000.00	1000.0
46 Bromoform	173	8.482	8.482	(1.664)	1304580	1000.00	1000.0
33 4-Methyl-2-pentanone	58	6.258	6.258	(0.814)	455163	1000.00	1000.0
37 2-Hexanone	43	6.991	6.991	(0.909)	498064	1000.00	1000.0
39 Tetrachloroethene	164	6.932	6.932	(0.902)	2797828	1000.00	1000.0
47 1,1,2,2-Tetrachloroethane	83	8.920	8.920	(1.160)	1482293	1000.00	1000.0
35 Toluene	91	6.435	6.435	(0.837)	11550005	1000.00	1000.0
41 Chlorobenzene	112	7.713	7.713	(1.003)	7536534	1000.00	1000.0
42 Ethylbenzene	106	7.808	7.808	(1.015)	4287438	1000.00	1000.0
45 Styrene	104	8.305	8.305	(1.080)	7401205	1000.00	1000.0
43 m + p-Xylene	106	7.914	7.914	(1.029)	9679793	2000.00	2000.0(AH)
44 Xylene-o	106	8.293	8.293	(1.078)	4447284	1000.00	1000.0
M 80 Xylenes (total)	106				14127077	1000.00	3176.6(A)
12 Trichlorofluoromethane	101	2.211	2.211	(0.519)	2463463	1000.00	1000.0
7 Dichlorodifluoromethane	85	1.430	1.430	(0.336)	1635362	1000.00	1000.0
48 1,3-Dichlorobenzene	146	9.855	9.855	(1.282)	4481861	1000.00	1000.0
49 1,4-Dichlorobenzene	146	9.938	9.938	(1.292)	4414062	1000.00	1000.0
50 1,2-Dichlorobenzene	146	10.316	10.316	(1.342)	3610979	1000.00	1000.0
82 Methyl tert-butyl ether	73	3.240	3.240	(0.761)	4378604	1000.00	1000.0
63 1,2-Dibromoethane	107	7.263	7.263	(1.425)	1749036	1000.00	1000.0
51 Freon-113	151	2.649	2.649	(0.622)	1452927	1000.00	1000.0
90 Cyclohexane	56	4.542	4.542	(0.891)	3462617	1000.00	1000.0
92 Methyl Acetate	43	2.921	2.921	(0.686)	538550	1000.00	1000.0
93 Methylcyclohexane	83	5.500	5.500	(1.079)	4949354	1000.00	1000.0
94 1,2,4-Trichlorobenzene	180	11.902	11.902	(1.548)	2227365	1000.00	1000.0
91 Isopropylbenzene	105	8.636	8.636	(1.123)	11672877	1000.00	1000.0
69 1,2-Dibromo-3-chloropropane	157	11.073	11.073	(1.440)	214376	1000.00	1000.0

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01105A.b\UX81432.D

Date : 05-NOV-2000 10:39

Client ID:

Sample Info: 500NC-IC

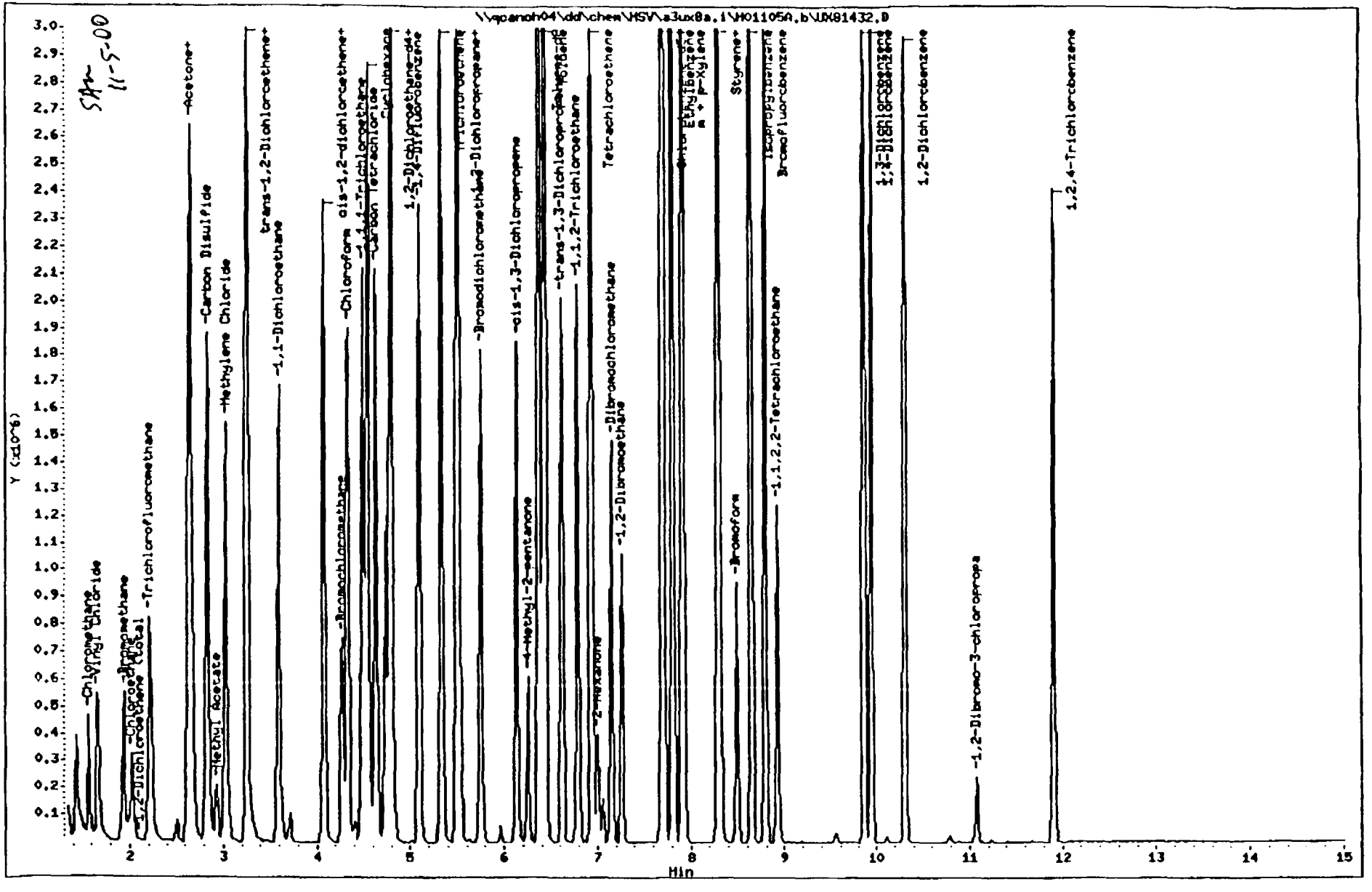
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\UX81432.D
Lab Smp Id: 500NG-IC
Inj Date : 05-NOV-2000 10:39
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 500NG-IC
Misc Info : M01105A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\8240LCLPUX8.m
Meth Date : 05-Nov-2000 12:13 macenczaks Quant Type: ISTD
Cal Date : 05-NOV-2000 10:39 Cal File: UX81432.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.268	4.268	(1.000)	311215	250.000	
* 2 1,4-Difluorobenzene	114	5.096	5.096	(1.000)	2262983	250.000	
* 3 Chlorobenzene-d5	117	7.687	7.687	(1.000)	1823880	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.741	4.741	(1.111)	922293	500.000	494.36
$ 5 Toluene-d8	98	6.374	6.374	(0.829)	4739900	500.000	494.34
$ 6 Bromofluorobenzene	95	8.788	8.788	(1.143)	1519480	500.000	499.08
8 Chloromethane	50	1.570	1.570	(0.368)	487097	500.000	489.00
10 Bromomethane	94	1.937	1.937	(0.454)	448078	500.000	513.46
9 Vinyl Chloride	62	1.653	1.653	(0.387)	718784	500.000	498.60
11 Chloroethane	64	2.020	2.020	(0.473)	431196	500.000	507.59
16 Methylene Chloride	84	3.025	3.025	(0.709)	1107854	500.000	491.42
14 Acetone	43	2.659	2.659	(0.623)	155538	500.000	496.77
17 Carbon Disulfide	76	2.824	2.824	(0.662)	3434832	500.000	491.57
15 1,1-Dichloroethene	96	2.635	2.635	(0.617)	1119308	500.000	486.52
21 1,1-Dichloroethane	63	3.593	3.593	(0.842)	1800183	500.000	477.96
19 trans-1,2-Dichloroethene	96	3.250	3.250	(0.762)	1288735	500.000	479.36
23 cis-1,2-dichloroethene	96	4.067	4.067	(0.953)	1275316	500.000	479.07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethane (total)	96				2564051	1000.00	958.43
24 Chloroform	83	4.327	4.327	(1.014)	1865408	500.000	482.39
27 1,2-Dichloroethane	62	4.800	4.800	(1.125)	1048855	500.000	489.28
22 2-Butanone	43	4.055	4.055	(0.950)	128043	500.000	486.17
25 1,1,1-Trichloroethane	97	4.481	4.481	(0.879)	1709569	500.000	488.95
26 Carbon Tetrachloride	117	4.623	4.623	(0.907)	1629299	500.000	482.55
31 Bromodichloromethane	83	5.747	5.747	(1.128)	1347532	500.000	488.71
30 1,2-Dichloropropane	63	5.522	5.522	(1.084)	1026400	500.000	494.58
34 cis-1,3-Dichloropropene	75	6.126	6.126	(1.202)	1479112	500.000	487.00
29 Trichloroethene	130	5.333	5.333	(1.046)	1441464	500.000	483.20
40 Dibromochloromethane	129	7.155	7.155	(1.404)	1022343	500.000	488.96
38 1,1,2-Trichloroethane	97	6.788	6.788	(1.332)	825895	500.000	494.45
28 Benzene	78	4.788	4.788	(0.940)	4790967	500.000	490.71
36 trans-1,3-Dichloropropene	75	6.611	6.611	(1.297)	1352297	500.000	488.69
46 Bromoform	173	8.492	8.492	(1.666)	595084	500.000	490.21
33 4-Methyl-2-pentanone	58	6.256	6.256	(0.814)	206725	500.000	481.43
37 2-Hexanone	43	6.989	6.989	(0.909)	218506	500.000	472.79
39 Tetrachloroethene	164	6.930	6.930	(0.901)	1234040	500.000	474.13
47 1,1,2,2-Tetrachloroethane	83	8.918	8.918	(1.160)	705320	500.000	493.07
35 Toluene	91	6.433	6.433	(0.837)	5372643	500.000	487.40
41 Chlorobenzene	112	7.711	7.711	(1.003)	3496076	500.000	486.72
42 Ethylbenzene	106	7.806	7.806	(1.015)	1987616	500.000	486.56
45 Styrene	104	8.303	8.303	(1.080)	3578895	500.000	497.10
43 m + p-Xylene	106	7.912	7.912	(1.029)	4695680	1000.00	995.79
44 Xylene-o	106	8.291	8.291	(1.078)	2159796	500.000	498.17
M 80 Xylenes (total)	106				6855476	500.000	1581.3(A)
12 Trichlorofluoromethane	101	2.209	2.209	(0.518)	1161441	500.000	496.13
7 Dichlorodifluoromethane	85	1.428	1.428	(0.335)	723636	500.000	480.28
48 1,3-Dichlorobenzene	146	9.853	9.853	(1.282)	2163661	500.000	496.68
49 1,4-Dichlorobenzene	146	9.948	9.948	(1.294)	2164042	500.000	500.54
50 1,2-Dichlorobenzene	146	10.314	10.314	(1.342)	1779022	500.000	501.76
82 Methyl tert-butyl ether	73	3.238	3.238	(0.759)	1949059	500.000	481.77
63 1,2-Dibromoethane	107	7.261	7.261	(1.425)	806283	500.000	492.84
51 Freon-113	151	2.659	2.659	(0.623)	683189	500.000	495.46
90 Cyclohexane	56	4.540	4.540	(0.891)	1583019	500.000	490.77
92 Methyl Acetate	43	2.931	2.931	(0.687)	241608	500.000	483.72
93 Methylcyclohexane	83	5.498	5.498	(1.079)	2188380	500.000	482.42
94 1,2,4-Trichlorobenzene	180	11.912	11.912	(1.549)	1079244	500.000	497.60
91 Isopropylbenzene	105	8.634	8.634	(1.123)	5602011	500.000	495.21
69 1,2-Dibromo-3-chloropropane	157	11.072	11.072	(1.440)	107449	500.000	506.06

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01105A.b\UX81433.D

Page 4

Date : 05-NOV-2000 11:02

Client ID:

Instrument: a3ux8a.i

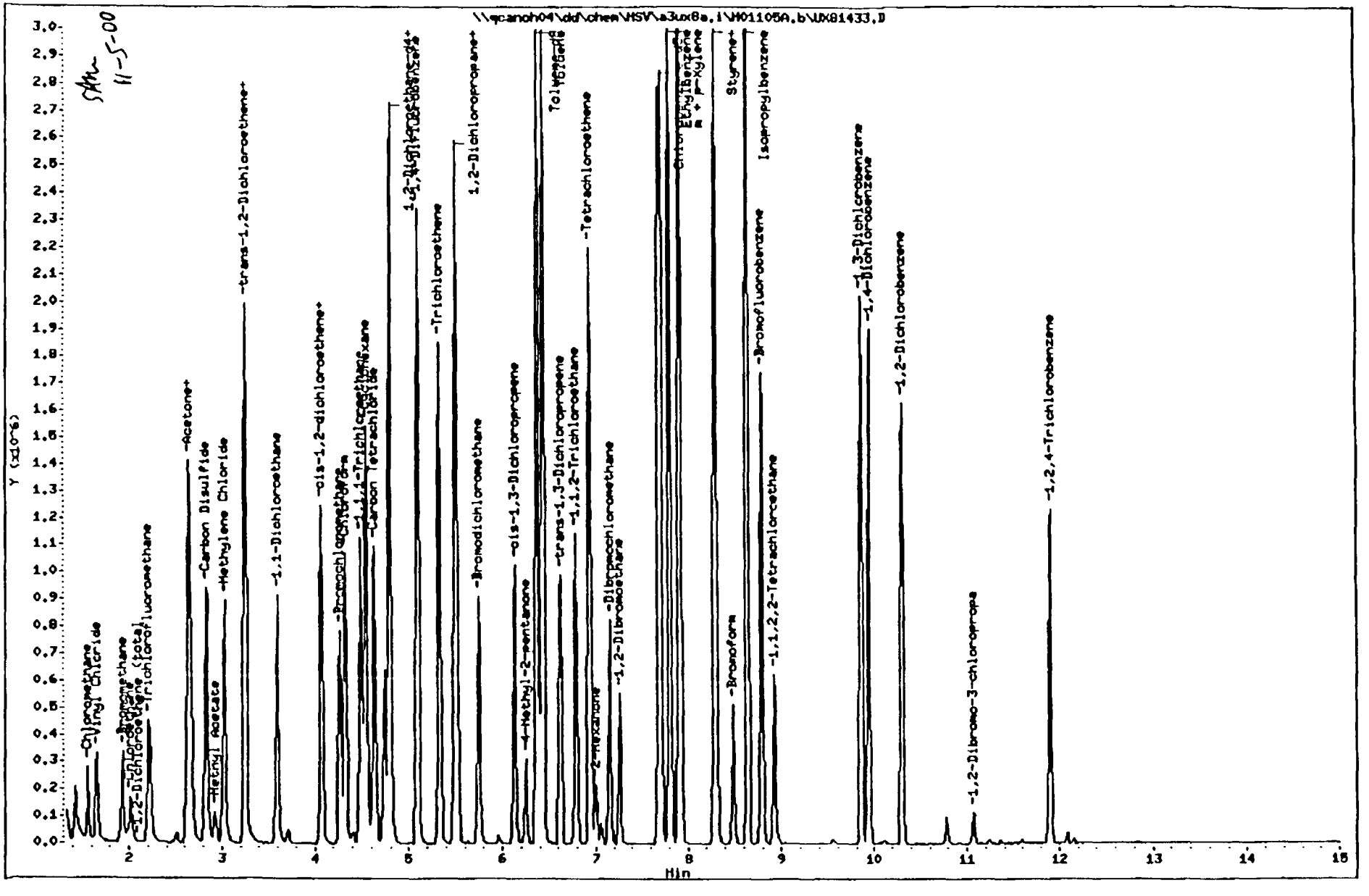
Sample Info: 250NC-IC

Purge Volume: 5.0

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



SAM 11-5-00

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\UX81433.D
Lab Smp Id: 250NG-IC
Inj Date : 05-NOV-2000 11:02
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 250NG-IC
Misc Info : M01105A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\8240LCLPUX8.m
Meth Date : 05-Nov-2000 12:13 macenczaks Quant Type: ISTD
Cal Date : 05-NOV-2000 11:02 Cal File: UX81433.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.266	4.266	(1.000)	314394	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.094	(1.000)	2292114	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.686	(1.000)	1831480	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.739	(1.111)	465594	250.000	248.02
$ 5 Toluene-d8	98	6.372	6.372	(0.829)	2430919	250.000	251.65
$ 6 Bromofluorobenzene	95	8.786	8.786	(1.143)	766097	250.000	250.39
8 Chloromethane	50	1.568	1.568	(0.368)	258121	250.000	254.30
10 Bromomethane	94	1.935	1.935	(0.454)	248726	250.000	270.54
9 Vinyl Chloride	62	1.663	1.663	(0.390)	384208	250.000	259.05
11 Chloroethane	64	2.018	2.018	(0.473)	232543	250.000	263.60
16 Methylene Chloride	84	3.023	3.023	(0.709)	610452	250.000	261.75
14 Acetone	43	2.657	2.657	(0.623)	88393	250.000	268.90
17 Carbon Disulfide	76	2.822	2.822	(0.662)	1830162	250.000	256.11
15 1,1-Dichloroethene	96	2.633	2.633	(0.617)	593279	250.000	253.49
21 1,1-Dichloroethane	63	3.591	3.591	(0.842)	934609	250.000	247.07
19 trans-1,2-Dichloroethene	96	3.248	3.248	(0.761)	678409	250.000	249.86
23 cis-1,2-dichloroethene	96	4.065	4.065	(0.953)	666746	250.000	248.61

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				1345155	500.000	498.48
24 Chloroform	83	4.325	4.325	(1.014)	973320	250.000	249.44
27 1,2-Dichloroethane	62	4.798	4.798	(1.125)	557010	250.000	254.76
22 2-Butanone	43	4.065	4.065	(0.953)	66699	250.000	250.46
25 1,1,1-Trichloroethane	97	4.491	4.491	(0.882)	908172	250.000	254.26
26 Carbon Tetrachloride	117	4.633	4.633	(0.909)	851634	250.000	249.35
31 Bromodichloromethane	83	5.745	5.745	(1.128)	694406	250.000	249.09
30 1,2-Dichloropropane	63	5.520	5.520	(1.084)	545982	250.000	256.41
34 cis-1,3-Dichloropropene	75	6.135	6.135	(1.204)	760358	250.000	248.10
29 Trichloroethene	130	5.331	5.331	(1.046)	758917	250.000	250.78
40 Dibromochloromethane	129	7.153	7.153	(1.404)	530060	250.000	250.19
38 1,1,2-Trichloroethane	97	6.786	6.786	(1.332)	432534	250.000	253.74
28 Benzene	78	4.798	4.798	(0.942)	2545603	250.000	254.90
36 trans-1,3-Dichloropropene	75	6.621	6.621	(1.300)	688135	250.000	246.99
46 Bromoform	173	8.490	8.490	(1.667)	302378	250.000	247.27
33 4-Methyl-2-pentanone	58	6.254	6.254	(0.814)	102041	250.000	240.94
37 2-Hexanone	43	6.999	6.999	(0.911)	111329	250.000	243.17
39 Tetrachloroethene	164	6.928	6.928	(0.901)	649352	250.000	248.96
47 1,1,2,2-Tetrachloroethane	83	8.916	8.916	(1.160)	367089	250.000	253.68
35 Toluene	91	6.431	6.431	(0.837)	2847371	250.000	254.78
41 Chlorobenzene	112	7.709	7.709	(1.003)	1848874	250.000	254.18
42 Ethylbenzene	106	7.804	7.804	(1.015)	1042020	250.000	252.67
45 Styrene	104	8.301	8.301	(1.080)	1906463	250.000	258.97
43 m + p-Xylene	106	7.910	7.910	(1.029)	2482624	500.000	515.94
44 Xylene-o	106	8.289	8.289	(1.079)	1142580	250.000	258.16
M 80 Xylenes (total)	106				3625204	250.000	819.11
12 Trichlorofluoromethane	101	2.207	2.207	(0.517)	605857	250.000	254.09
7 Dichlorodifluoromethane	85	1.426	1.426	(0.334)	388654	250.000	253.54
48 1,3-Dichlorobenzene	146	9.851	9.851	(1.282)	1138166	250.000	256.70
49 1,4-Dichlorobenzene	146	9.946	9.946	(1.294)	1128039	250.000	256.47
50 1,2-Dichlorobenzene	146	10.312	10.312	(1.342)	940176	250.000	259.21
82 Methyl tert-butyl ether	73	3.248	3.248	(0.761)	1023464	250.000	250.28
63 1,2-Dibromoethane	107	7.260	7.260	(1.425)	417274	250.000	251.21
51 Freon-113	151	2.657	2.657	(0.623)	354981	250.000	253.20
90 Cyclohexane	56	4.538	4.538	(0.891)	833055	250.000	253.30
92 Methyl Acetate	43	2.929	2.929	(0.687)	125106	250.000	248.62
93 Methylcyclohexane	83	5.496	5.496	(1.079)	1148481	250.000	249.98
94 1,2,4-Trichlorobenzene	180	11.910	11.910	(1.550)	574146	250.000	258.92
91 Isopropylbenzene	105	8.632	8.632	(1.123)	2937547	250.000	255.66
69 1,2-Dibromo-3-chloropropane	157	11.082	11.082	(1.442)	52317	250.000	246.90

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01105A.b\UX81434.D

Date : 05-NOV-2000 11:25

Client ID:

Sample Info: 100NG-IC

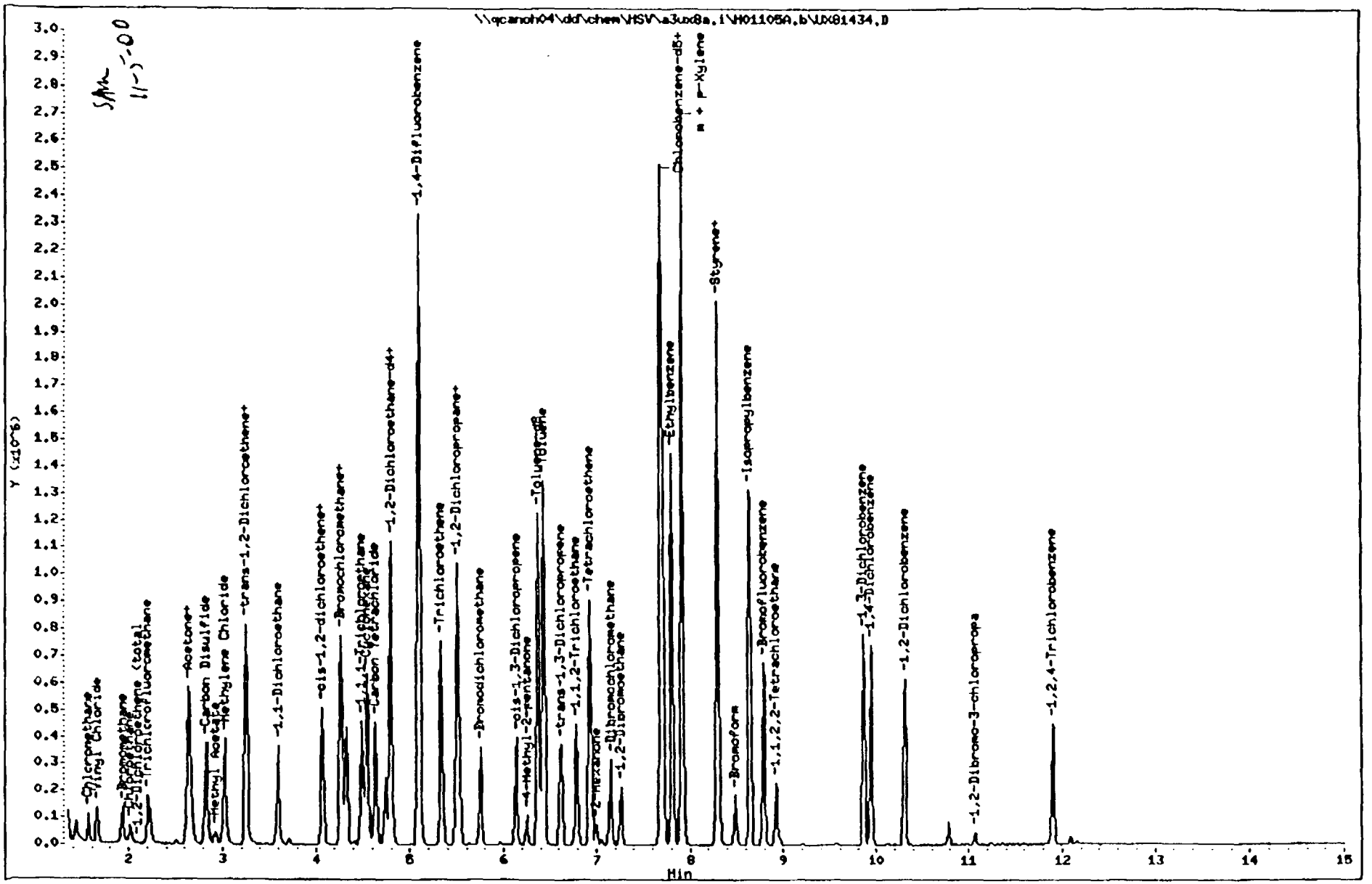
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



SAM 11-5-00

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\UX81434.D
Lab Smp Id: 100NG-IC
Inj Date : 05-NOV-2000 11:25
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 100NG-IC
Misc Info : M01105A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\8240LCLPUX8.m
Meth Date : 05-Nov-2000 12:13 macenczaks Quant Type: ISTD
Cal Date : 05-NOV-2000 11:02 Cal File: UX81433.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.266	4.266	(1.000)	308420	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.094	(1.000)	2266071	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.686	(1.000)	1775390	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.739	(1.111)	188167	100.000	101.62
$ 5 Toluene-d8	98	6.372	6.372	(0.829)	958426	100.000	101.75
$ 6 Bromofluorobenzene	95	8.786	8.786	(1.143)	290465	100.000	98.442
8 Chloromethane	50	1.568	1.568	(0.368)	105434	100.000	104.35
10 Bromomethane	94	1.935	1.935	(0.454)	102202	100.000	109.67
9 Vinyl Chloride	62	1.663	1.663	(0.390)	156878	100.000	105.75
11 Chloroethane	64	2.018	2.018	(0.473)	92794	100.000	105.32
16 Methylene Chloride	84	3.024	3.024	(0.709)	267260	100.000	112.10
14 Acetone	43	2.657	2.657	(0.623)	37198	100.000	111.09
17 Carbon Disulfide	76	2.834	2.834	(0.664)	737479	100.000	103.85
15 1,1-Dichloroethene	96	2.633	2.633	(0.617)	241116	100.000	103.72
21 1,1-Dichloroethane	63	3.592	3.592	(0.842)	374919	100.000	100.77
19 trans-1,2-Dichloroethene	96	3.248	3.248	(0.761)	275060	100.000	102.43
23 cis-1,2-dichloroethene	96	4.065	4.065	(0.953)	267731	100.000	101.32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				542791	200.000	203.76
24 Chloroform	83	4.325	4.325	(1.014)	395177	100.000	102.41
27 1,2-Dichloroethane	62	4.799	4.799	(1.125)	228375	100.000	104.78
22 2-Butanone	43	4.065	4.065	(0.953)	28838	100.000	107.59
25 1,1,1-Trichloroethane	97	4.491	4.491	(0.882)	362337	100.000	101.94
26 Carbon Tetrachloride	117	4.633	4.633	(0.909)	340538	100.000	100.64
31 Bromodichloromethane	83	5.745	5.745	(1.128)	277782	100.000	100.59
30 1,2-Dichloropropane	63	5.520	5.520	(1.084)	219919	100.000	103.31
34 cis-1,3-Dichloropropene	75	6.136	6.136	(1.204)	297004	100.000	98.512
29 Trichloroethene	130	5.331	5.331	(1.046)	308157	100.000	102.23
40 Dibromochloromethane	129	7.153	7.153	(1.404)	204120	100.000	98.078
38 1,1,2-Trichloroethane	97	6.786	6.786	(1.332)	174226	100.000	102.52
28 Benzene	78	4.799	4.799	(0.942)	1026890	100.000	102.98
36 trans-1,3-Dichloropropene	75	6.621	6.621	(1.300)	262052	100.000	96.310
46 Bromoform	173	8.490	8.490	(1.667)	114914	100.000	96.241
33 4-Methyl-2-pentanone	58	6.254	6.254	(0.814)	38327	100.000	94.934
37 2-Hexanone	43	6.999	6.999	(0.911)	39928	100.000	92.281
39 Tetrachloroethene	164	6.928	6.928	(0.901)	263001	100.000	102.99
47 1,1,2,2-Tetrachloroethane	83	8.916	8.916	(1.160)	139625	100.000	99.652
35 Toluene	92	6.431	6.431	(0.837)	1146214	100.000	104.29
41 Chlorobenzene	112	7.709	7.709	(1.003)	735686	100.000	103.22
42 Ethylbenzene	106	7.804	7.804	(1.015)	406307	100.000	101.22
45 Styrene	104	8.301	8.301	(1.080)	726768	100.000	101.38
43 m + p-Xylene	106	7.911	7.911	(1.029)	991172	200.000	209.22
44 Xylene-o	106	8.289	8.289	(1.079)	444765	100.000	102.73
M 80 Xylenes (total)	106				1435937	100.000	331.66
12 Trichlorofluoromethane	101	2.207	2.207	(0.517)	234416	100.000	100.16
7 Dichlorodifluoromethane	85	1.426	1.426	(0.334)	163566	100.000	106.44
48 1,3-Dichlorobenzene	146	9.851	9.851	(1.282)	430350	100.000	100.10
49 1,4-Dichlorobenzene	146	9.946	9.946	(1.294)	436822	100.000	101.83
50 1,2-Dichlorobenzene	146	10.313	10.313	(1.342)	350345	100.000	99.731
82 Methyl tert-butyl ether	73	3.248	3.248	(0.761)	411802	100.000	101.98
63 1,2-Dibromoethane	107	7.260	7.260	(1.425)	163636	100.000	99.734
51 Freon-113	151	2.657	2.657	(0.623)	144318	100.000	103.66
90 Cyclohexane	56	4.538	4.538	(0.891)	338998	100.000	103.16
92 Methyl Acetate	43	2.929	2.929	(0.687)	53068	100.000	105.52
93 Methylcyclohexane	83	5.497	5.497	(1.079)	463174	100.000	101.47
94 1,2,4-Trichlorobenzene	180	11.910	11.910	(1.550)	213065	100.000	99.338
91 Isopropylbenzene	105	8.644	8.644	(1.125)	1146096	100.000	102.16
69 1,2-Dibromo-3-chloropropane	157	11.082	11.082	(1.442)	20342	100.000	99.273

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01105A.b\UX81435.D

Date : 06-NOV-2000 11:48

Client ID:

Sample Info: 50NG-IC

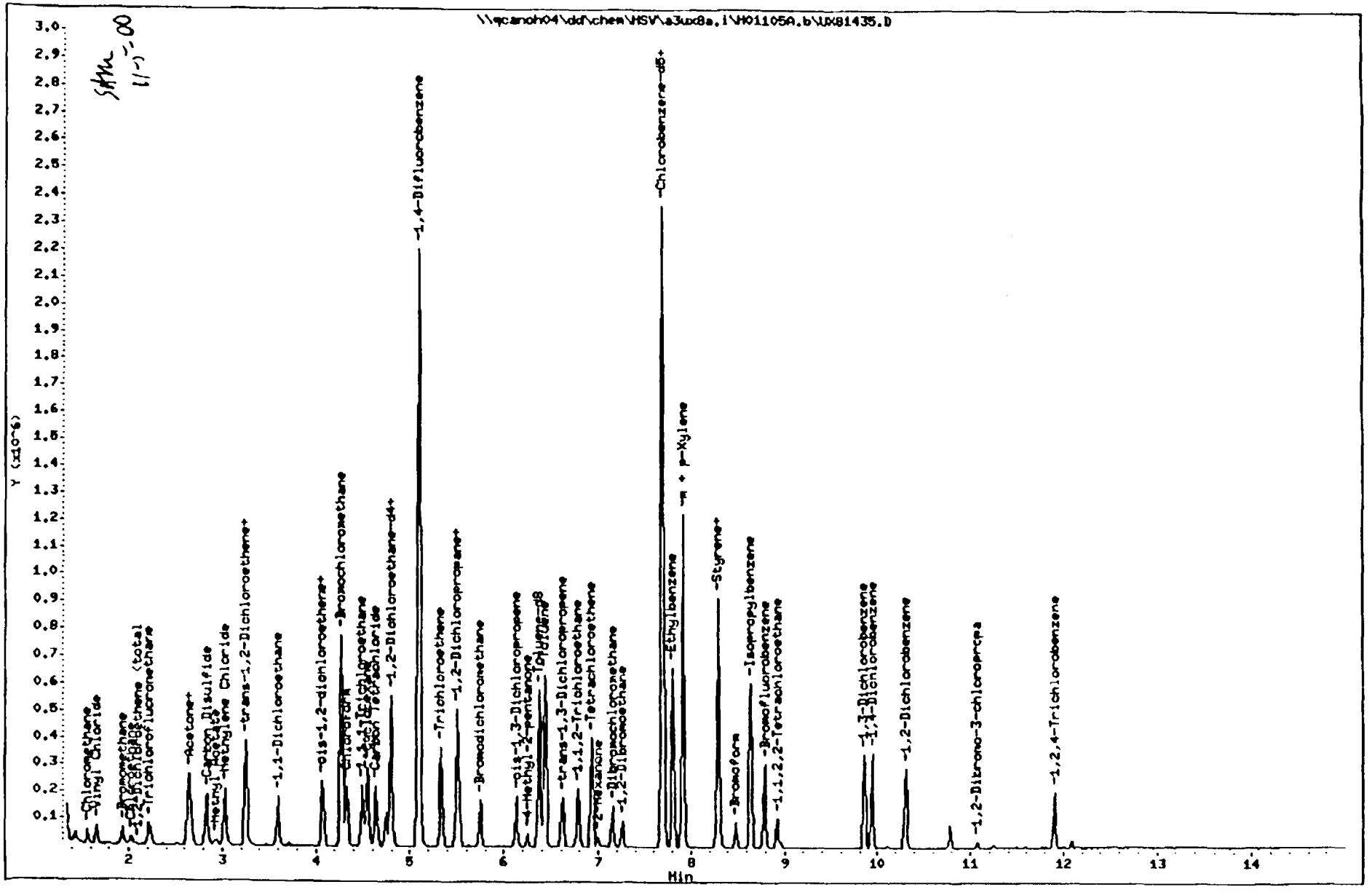
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\UX81435.D
Lab Smp Id: 50NG-IC
Inj Date : 05-NOV-2000 11:48
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 50NG-IC
Misc Info : M01105A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\8240LCLPUX8.m
Meth Date : 05-Nov-2000 12:13 macenczaks Quant Type: ISTD
Cal Date : 05-NOV-2000 11:02 Cal File: UX81433.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.265	4.265	(1.000)	302898	250.000	
* 2 1,4-Difluorobenzene	114	5.093	5.093	(1.000)	2182953	250.000	
* 3 Chlorobenzene-d5	117	7.685	7.685	(1.000)	1691036	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.738	4.738	(1.111)	91893	50.0000	50.426
$ 5 Toluene-d8	98	6.371	6.371	(0.829)	456163	50.0000	50.673
$ 6 Bromofluorobenzene	95	8.785	8.785	(1.143)	140823	50.0000	50.086
8 Chloromethane	50	1.567	1.567	(0.367)	50176	50.0000	50.451
10 Bromomethane	94	1.934	1.934	(0.453)	48398	50.0000	52.278
9 Vinyl Chloride	62	1.662	1.662	(0.390)	72426	50.0000	49.771
11 Chloroethane	64	2.029	2.029	(0.476)	42955	50.0000	49.714
16 Methylene Chloride	84	3.022	3.022	(0.709)	147520	50.0000	59.890
14 Acetone	43	2.656	2.656	(0.623)	19993	50.0000	58.279
17 Carbon Disulfide	76	2.833	2.833	(0.664)	349602	50.0000	50.102
15 1,1-Dichloroethene	96	2.632	2.632	(0.617)	112044	50.0000	49.256
21 1,1-Dichloroethane	63	3.590	3.590	(0.842)	184579	50.0000	50.412
19 trans-1,2-Dichloroethene	96	3.247	3.247	(0.761)	132517	50.0000	50.199
23 cis-1,2-dichloroethene	96	4.064	4.064	(0.953)	129106	50.0000	49.798

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				261623	100.000	100.00
24 Chloroform	83	4.324	4.324	(1.014)	193652	50.0000	50.874
27 1,2-Dichloroethane	62	4.797	4.797	(1.125)	111519	50.0000	51.665
22 2-Butanone	43	4.064	4.064	(0.953)	13857	50.0000	52.092
25 1,1,1-Trichloroethane	97	4.490	4.490	(0.882)	170628	50.0000	49.867
26 Carbon Tetrachloride	117	4.632	4.632	(0.909)	159764	50.0000	49.206
31 Bromodichloromethane	83	5.744	5.744	(1.128)	134273	50.0000	50.379
30 1,2-Dichloropropane	63	5.519	5.519	(1.084)	107305	50.0000	51.846
34 cis-1,3-Dichloropropene	75	6.134	6.134	(1.204)	134006	50.0000	46.864
29 Trichloroethene	130	5.330	5.330	(1.046)	149134	50.0000	51.081
40 Dibromochloromethane	129	7.152	7.152	(1.404)	96044	50.0000	48.310
38 1,1,2-Trichloroethane	97	6.785	6.785	(1.332)	82446	50.0000	50.287
28 Benzene	78	4.797	4.797	(0.942)	492216	50.0000	50.986
36 trans-1,3-Dichloropropene	75	6.620	6.620	(1.300)	123334	50.0000	47.615
46 Bromoform	173	8.489	8.489	(1.667)	53475	50.0000	47.153
33 4-Methyl-2-pentanone	58	6.253	6.253	(0.814)	16411	50.0000	43.965
37 2-Hexanone	43	6.998	6.998	(0.911)	17489	50.0000	43.761
39 Tetrachloroethene	164	6.927	6.927	(0.901)	122525	50.0000	50.297
47 1,1,2,2-Tetrachloroethane	83	8.915	8.915	(1.160)	63889	50.0000	48.284
35 Toluene	91	6.430	6.430	(0.837)	552094	50.0000	52.167
41 Chlorobenzene	112	7.708	7.708	(1.003)	349932	50.0000	51.228
42 Ethylbenzene	106	7.803	7.803	(1.015)	187471	50.0000	49.223
45 Styrene	104	8.300	8.300	(1.080)	336775	50.0000	49.454
43 m + p-Xylene	106	7.909	7.909	(1.029)	455115	100.000	100.69
44 Xylene-o	106	8.288	8.288	(1.079)	206815	50.0000	50.120
M 80 Xylenes (total)	106				661930	50.0000	160.41
12 Trichlorofluoromethane	101	2.206	2.206	(0.517)	109020	50.0000	47.924
7 Dichlorodifluoromethane	85	1.425	1.425	(0.334)	75412	50.0000	49.973
48 1,3-Dichlorobenzene	146	9.850	9.850	(1.282)	201743	50.0000	49.410
49 1,4-Dichlorobenzene	146	9.945	9.945	(1.294)	198626	50.0000	48.883
50 1,2-Dichlorobenzene	146	10.311	10.311	(1.342)	163277	50.0000	49.034
82 Methyl tert-butyl ether	73	3.247	3.247	(0.761)	196583	50.0000	49.654
63 1,2-Dibromoethane	107	7.259	7.259	(1.425)	74878	50.0000	47.878
51 Freon-113	151	2.656	2.656	(0.623)	66058	50.0000	48.639
90 Cyclohexane	56	4.537	4.537	(0.891)	151338	50.0000	48.231(a)
92 Methyl Acetate	43	2.928	2.928	(0.687)	22674	50.0000	46.673(a)
93 Methylcyclohexane	83	5.496	5.496	(1.079)	212036	50.0000	48.567(a)
94 1,2,4-Trichlorobenzene	180	11.909	11.909	(1.550)	90975	50.0000	45.527(a)
91 Isopropylbenzene	105	8.643	8.643	(1.125)	511241	50.0000	48.260(a)
69 1,2-Dibromo-3-chloropropane	157	11.081	11.081	(1.442)	8852	50.0000	46.213(a)

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81730.D

Date : 15-NOV-2000 18:15

Client ID:

Sample Info: 1000NC-IC

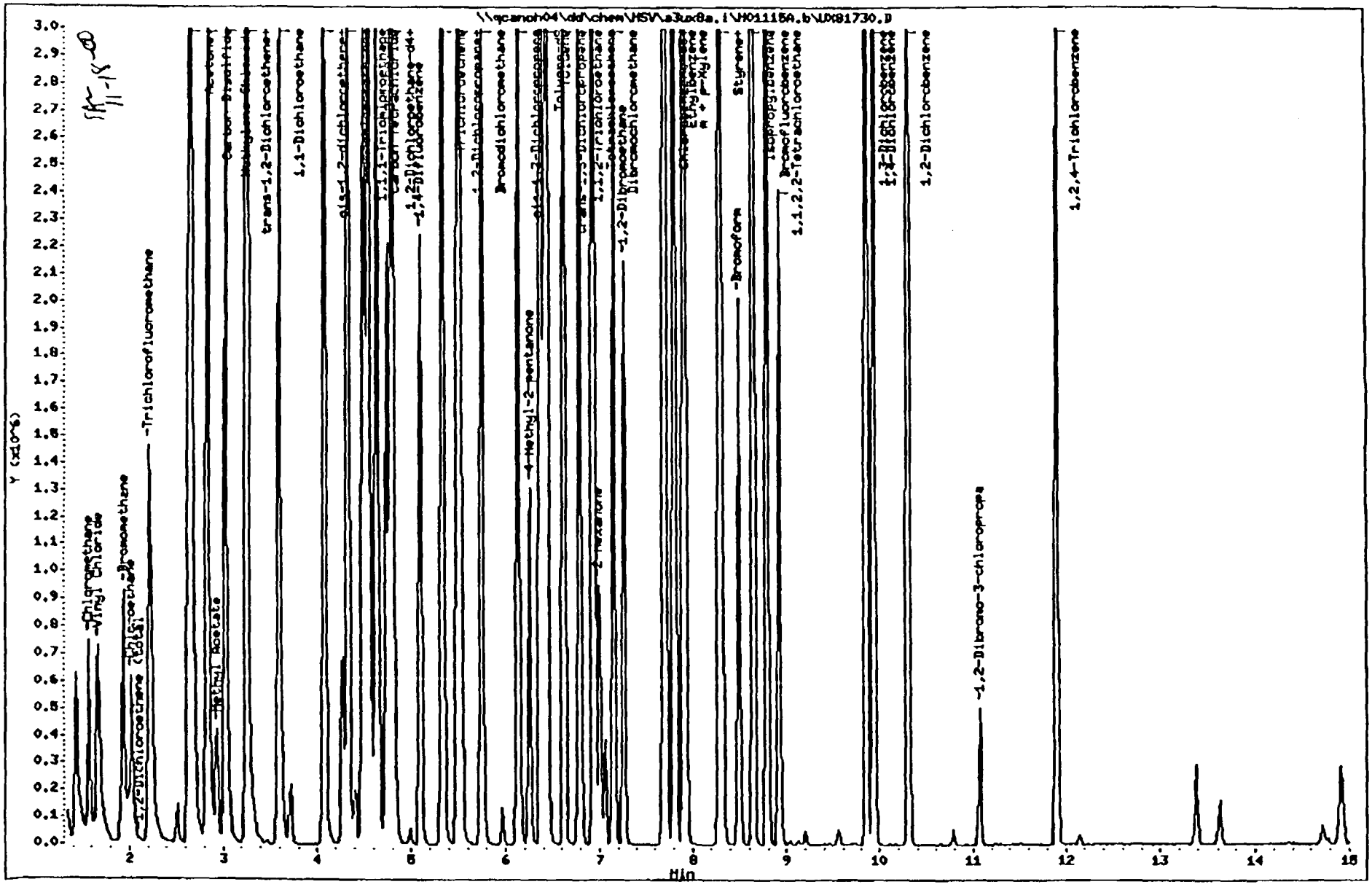
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81730.D
Lab Smp Id: 1000NG-IC
Inj Date : 15-NOV-2000 18:15
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 1000NG-IC
Misc Info : M01115A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 15-Nov-2000 20:22 macenczaks Quant Type: ISTD
Cal Date : 15-NOV-2000 18:15 Cal File: UX81730.D
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	4.268	4.268	(1.000)	304196	250.000	
* 2 1,4-Difluorobenzene	114	5.097	5.097	(1.000)	2218973	250.000	
* 3 Chlorobenzene-d5	117	7.688	7.688	(1.000)	1708743	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.742	4.742	(1.111)	1721659	1000.00	1000.0
$ 5 Toluene-d8	98	6.375	6.375	(0.829)	8875874	1000.00	1000.0
$ 6 Bromofluorobenzene	95	8.788	8.788	(1.143)	2779975	1000.00	1000.0
8 Chloromethane	50	1.570	1.570	(0.368)	837535	1000.00	1000.0(A)
10 Bromomethane	94	1.937	1.937	(0.454)	853956	1000.00	1000.0
9 Vinyl Chloride	62	1.665	1.665	(0.390)	1259511	1000.00	1000.0
11 Chloroethane	64	2.020	2.020	(0.473)	842376	1000.00	1000.0
16 Methylene Chloride	84	3.026	3.026	(0.709)	2272552	1000.00	1000.0
14 Acetone	43	2.659	2.659	(0.623)	326894	1000.00	1000.0
17 Carbon Disulfide	76	2.825	2.825	(0.662)	7145412	1000.00	1000.0
15 1,1-Dichloroethene	96	2.635	2.635	(0.617)	2381886	1000.00	1000.0
21 1,1-Dichloroethane	63	3.594	3.594	(0.842)	3717824	1000.00	1000.0
19 trans-1,2-Dichloroethene	96	3.251	3.251	(0.762)	2637656	1000.00	1000.0
23 cis-1,2-dichloroethene	96	4.067	4.067	(0.953)	2678176	1000.00	1000.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				5315832	2000.00	2000.0(A)
24 Chloroform	83	4.328	4.328	(1.014)	3895050	1000.00	1000.0
27 1,2-Dichloroethane	62	4.801	4.801	(1.125)	2077364	1000.00	1000.0
22 2-Butanone	43	4.055	4.055	(0.950)	284358	1000.00	1000.0
25 1,1,1-Trichloroethane	97	4.481	4.481	(0.879)	3501420	1000.00	1000.0
26 Carbon Tetrachloride	117	4.623	4.623	(0.907)	3471821	1000.00	1000.0
31 Bromodichloromethane	83	5.747	5.747	(1.128)	2836386	1000.00	1000.0
30 1,2-Dichloropropane	63	5.511	5.511	(1.081)	2025999	1000.00	1000.0
34 cis-1,3-Dichloropropene	75	6.126	6.126	(1.202)	3554157	1000.00	1000.0
29 Trichloroethene	130	5.333	5.333	(1.046)	3139325	1000.00	1000.0
40 Dibromochloromethane	129	7.156	7.156	(1.404)	2190007	1000.00	1000.0
38 1,1,2-Trichloroethane	97	6.789	6.789	(1.332)	1738033	1000.00	1000.0
28 Benzene	78	4.789	4.789	(0.940)	9531347	1000.00	1000.0
36 trans-1,3-Dichloropropene	75	6.611	6.611	(1.297)	2905486	1000.00	1000.0
46 Bromoform	173	8.493	8.493	(1.666)	1267506	1000.00	1000.0
33 4-Methyl-2-pentanone	58	6.256	6.256	(0.814)	447088	1000.00	1000.0
37 2-Hexanone	43	6.990	6.990	(0.909)	497150	1000.00	1000.0
39 Tetrachloroethene	164	6.931	6.931	(0.902)	2667230	1000.00	1000.0
47 1,1,2,2-Tetrachloroethane	83	8.919	8.919	(1.160)	1378712	1000.00	1000.0
35 Toluene	91	6.434	6.434	(0.837)	10882639	1000.00	1000.0
41 Chlorobenzene	112	7.712	7.712	(1.003)	7117675	1000.00	1000.0
42 Ethylbenzene	106	7.806	7.806	(1.015)	3974252	1000.00	1000.0
45 Styrene	104	8.303	8.303	(1.080)	6885195	1000.00	1000.0
43 m + p-Xylene	106	7.913	7.913	(1.029)	8901389	2000.00	2000.0(A)
44 Xylene-o	106	8.292	8.292	(1.078)	4095616	1000.00	1000.0
M 80 Xylenes (total)	106				12997005	1000.00	3173.4(A)
12 Trichlorofluoromethane	101	2.209	2.209	(0.518)	2280141	1000.00	1000.0(A)
7 Dichlorodifluoromethane	85	1.428	1.428	(0.335)	1226891	1000.00	1000.0
48 1,3-Dichlorobenzene	146	9.853	9.853	(1.282)	4251156	1000.00	1000.0
49 1,4-Dichlorobenzene	146	9.936	9.936	(1.292)	4099978	1000.00	1000.0(H)
50 1,2-Dichlorobenzene	146	10.315	10.315	(1.342)	3510196	1000.00	1000.0
82 Methyl tert-butyl ether	73	3.239	3.239	(0.759)	3604046	1000.00	1000.0
63 1,2-Dibromoethane	107	7.262	7.262	(1.425)	1649578	1000.00	1000.0
51 Freon-113	151	2.659	2.659	(0.623)	1328931	1000.00	1000.0
90 Cyclohexane	56	4.541	4.541	(0.891)	2931692	1000.00	1000.0
92 Methyl Acetate	43	2.931	2.931	(0.687)	457232	1000.00	1000.0
93 Methylcyclohexane	83	5.499	5.499	(1.079)	4369682	1000.00	1000.0
94 1,2,4-Trichlorobenzene	180	11.901	11.901	(1.548)	2372923	1000.00	1000.0
91 Isopropylbenzene	105	8.635	8.635	(1.123)	10335251	1000.00	1000.0
69 1,2-Dibromo-3-chloropropane	157	11.072	11.072	(1.440)	222114	1000.00	1000.0(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81731.D

Date : 15-NOV-2000 18:38

Client ID:

Sample Info: 500NG-IC

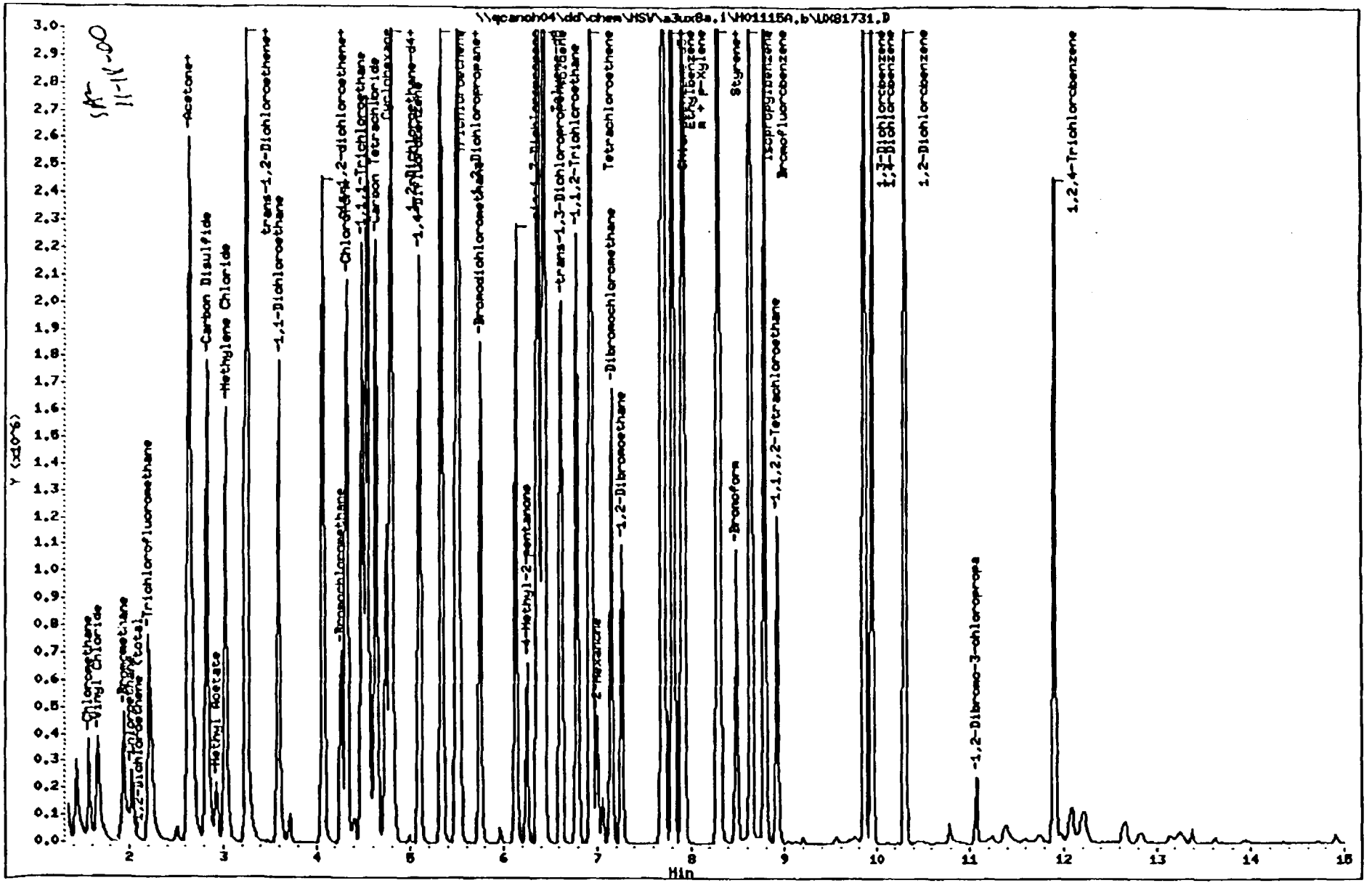
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



SAT 11-18-00

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81731.D
Lab Smp Id: 500NG-IC
Inj Date : 15-NOV-2000 18:38
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 500NG-IC
Misc Info : M01115A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 15-Nov-2000 20:23 macenczaks Quant Type: ISTD
Cal Date : 15-NOV-2000 18:38 Cal File: UX81731.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	4.266	4.266	(1.000)	288230	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.094	(1.000)	2107402	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.686	(1.000)	1702332	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.739	(1.111)	860302	500.000	513.32
$ 5 Toluene-d8	98	6.372	6.372	(0.829)	4555127	500.000	507.46
$ 6 Bromofluorobenzene	95	8.786	8.786	(1.143)	1472018	500.000	515.27
8 Chloromethane	50	1.568	1.568	(0.368)	408312	500.000	507.16
10 Bromomethane	94	1.935	1.935	(0.454)	453356	500.000	528.43
9 Vinyl Chloride	62	1.663	1.663	(0.390)	632806	500.000	514.68
11 Chloroethane	64	2.030	2.030	(0.476)	439639	500.000	524.18
16 Methylene Chloride	84	3.024	3.024	(0.709)	1142597	500.000	514.86
14 Acetone	43	2.657	2.657	(0.623)	167616	500.000	519.76
17 Carbon Disulfide	76	2.823	2.823	(0.662)	3543326	500.000	511.41
15 1,1-Dichloroethene	96	2.633	2.633	(0.617)	1167128	500.000	508.43
21 1,1-Dichloroethane	63	3.592	3.592	(0.842)	1819571	500.000	508.13
19 trans-1,2-Dichloroethene	96	3.249	3.249	(0.761)	1313867	500.000	512.53
23 cis-1,2-dichloroethene	96	4.065	4.065	(0.953)	1340471	500.000	513.73

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81	1,2-Dichloroethene (total)	96				2654338	1000.00	1026.3(A)
24	Chloroform	83	4.325	4.325	(1.014)	1941524	500.000	512.70
27	1,2-Dichloroethane	62	4.799	4.799	(1.125)	1052532	500.000	516.78
22	2-Butanone	43	4.065	4.065	(0.953)	142812	500.000	514.58
25	1,1,1-Trichloroethane	97	4.491	4.491	(0.882)	1789257	500.000	518.33
26	Carbon Tetrachloride	117	4.633	4.633	(0.909)	1745719	500.000	514.30
31	Bromodichloromethane	83	5.745	5.745	(1.128)	1405730	500.000	510.69
30	1,2-Dichloropropane	63	5.520	5.520	(1.084)	1032861	500.000	517.74
34	cis-1,3-Dichloropropene	75	6.136	6.136	(1.204)	1773246	500.000	512.35
29	Trichloroethene	130	5.331	5.331	(1.046)	1569018	500.000	512.79
40	Dibromochloromethane	129	7.153	7.153	(1.404)	1092722	500.000	512.37
38	1,1,2-Trichloroethane	97	6.787	6.787	(1.332)	875070	500.000	514.63
28	Benzene	78	4.799	4.799	(0.942)	4881745	500.000	518.90
36	trans-1,3-Dichloropropene	75	6.621	6.621	(1.300)	1438260	500.000	510.39
46	Bromoform	173	8.490	8.490	(1.667)	651270	500.000	519.70
33	4-Methyl-2-pentanone	58	6.254	6.254	(0.814)	214033	500.000	490.07
37	2-Hexanone	43	7.000	7.000	(0.911)	244542	500.000	496.85
39	Tetrachloroethene	164	6.929	6.929	(0.901)	1347841	500.000	503.59
47	1,1,2,2-Tetrachloroethane	83	8.916	8.916	(1.160)	727294	500.000	514.33
35	Toluene	91	6.432	6.432	(0.837)	5624464	500.000	509.21
41	Chlorobenzene	112	7.710	7.710	(1.003)	3697268	500.000	510.48
42	Ethylbenzene	106	7.804	7.804	(1.015)	2068631	500.000	510.99
45	Styrene	104	8.301	8.301	(1.080)	3745156	500.000	521.98
43	m + p-Xylene	106	7.911	7.911	(1.029)	4804058	1000.00	1040.0(A)
44	Xylene-o	106	8.289	8.289	(1.079)	2232572	500.000	522.52
M 80	Xylenes (total)	106				7036630	500.000	1646.9(A)
12	Trichlorofluoromethane	101	2.207	2.207	(0.517)	1129246	500.000	511.09
7	Dichlorodifluoromethane	85	1.426	1.426	(0.334)	594471	500.000	505.62
48	1,3-Dichlorobenzene	146	9.851	9.851	(1.282)	2306657	500.000	521.36
49	1,4-Dichlorobenzene	146	9.946	9.946	(1.294)	2231441	500.000	522.13
50	1,2-Dichlorobenzene	146	10.313	10.313	(1.342)	1895788	500.000	520.21
82	Methyl tert-butyl ether	73	3.249	3.249	(0.761)	1872591	500.000	523.06
63	1,2-Dibromoethane	107	7.260	7.260	(1.425)	848305	500.000	519.91
51	Freon-113	151	2.657	2.657	(0.623)	659747	500.000	511.69
90	Cyclohexane	56	4.538	4.538	(0.891)	1507399	500.000	519.87
92	Methyl Acetate	43	2.929	2.929	(0.687)	224599	500.000	509.04
93	Methylcyclohexane	83	5.497	5.497	(1.079)	2241085	500.000	519.24
94	1,2,4-Trichlorobenzene	180	11.910	11.910	(1.550)	1181256	500.000	499.84
91	Isopropylbenzene	105	8.632	8.632	(1.123)	5619777	500.000	521.90
69	1,2-Dibromo-3-chloropropane	157	11.082	11.082	(1.442)	113414	500.000	506.19

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81732.D

Page 4

Date : 15-NOV-2000 19:01

Client ID:

Instrument: a3ux8a.i

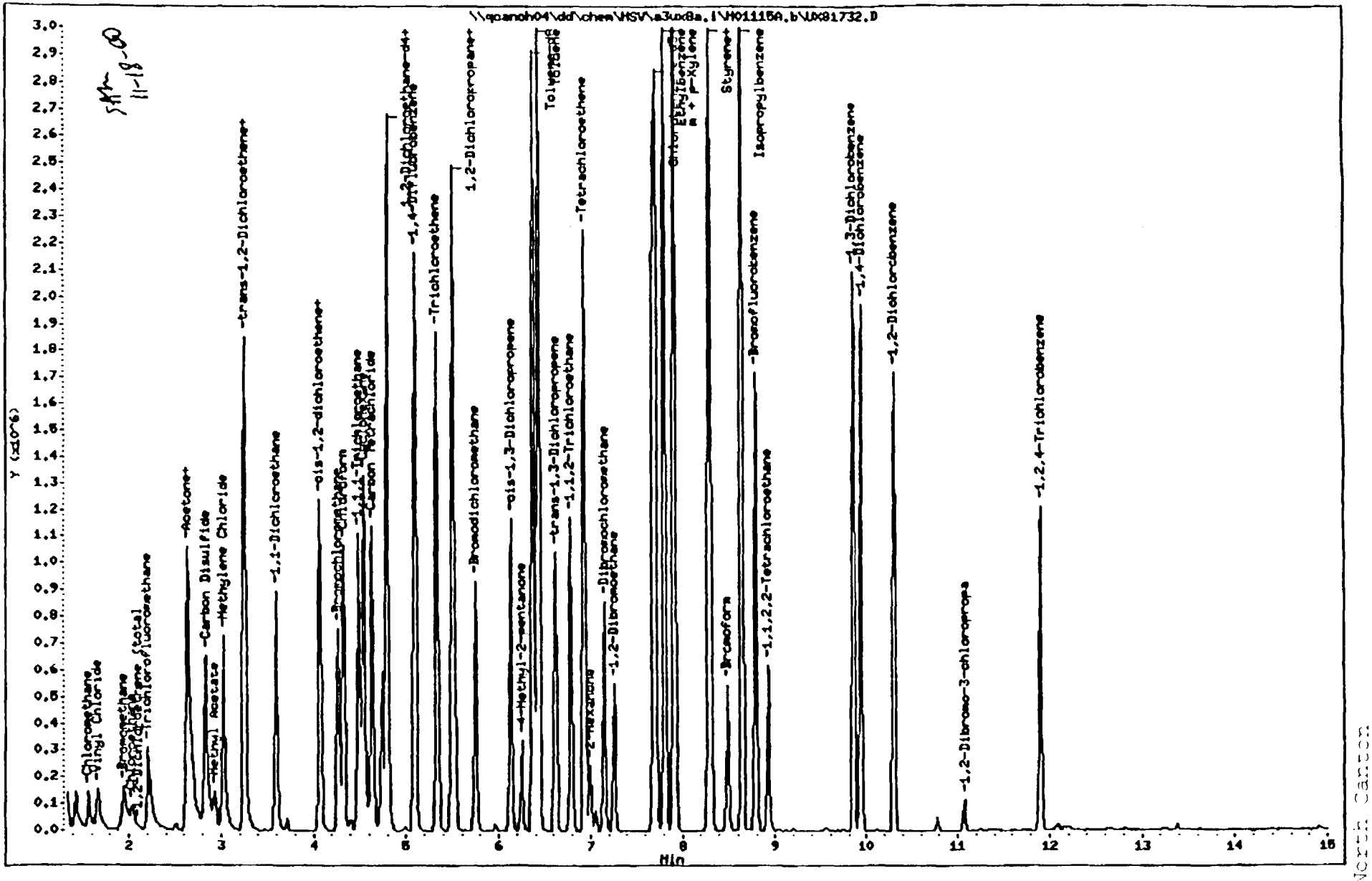
Sample Info: 250NG-IC

Purge Volume: 5.0

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



STL North Canton

257

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81732.D
Lab Smp Id: 250NG-IC
Inj Date : 15-NOV-2000 19:01
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 250NG-IC
Misc Info : M01115A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 15-Nov-2000 20:23 macenczaks Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

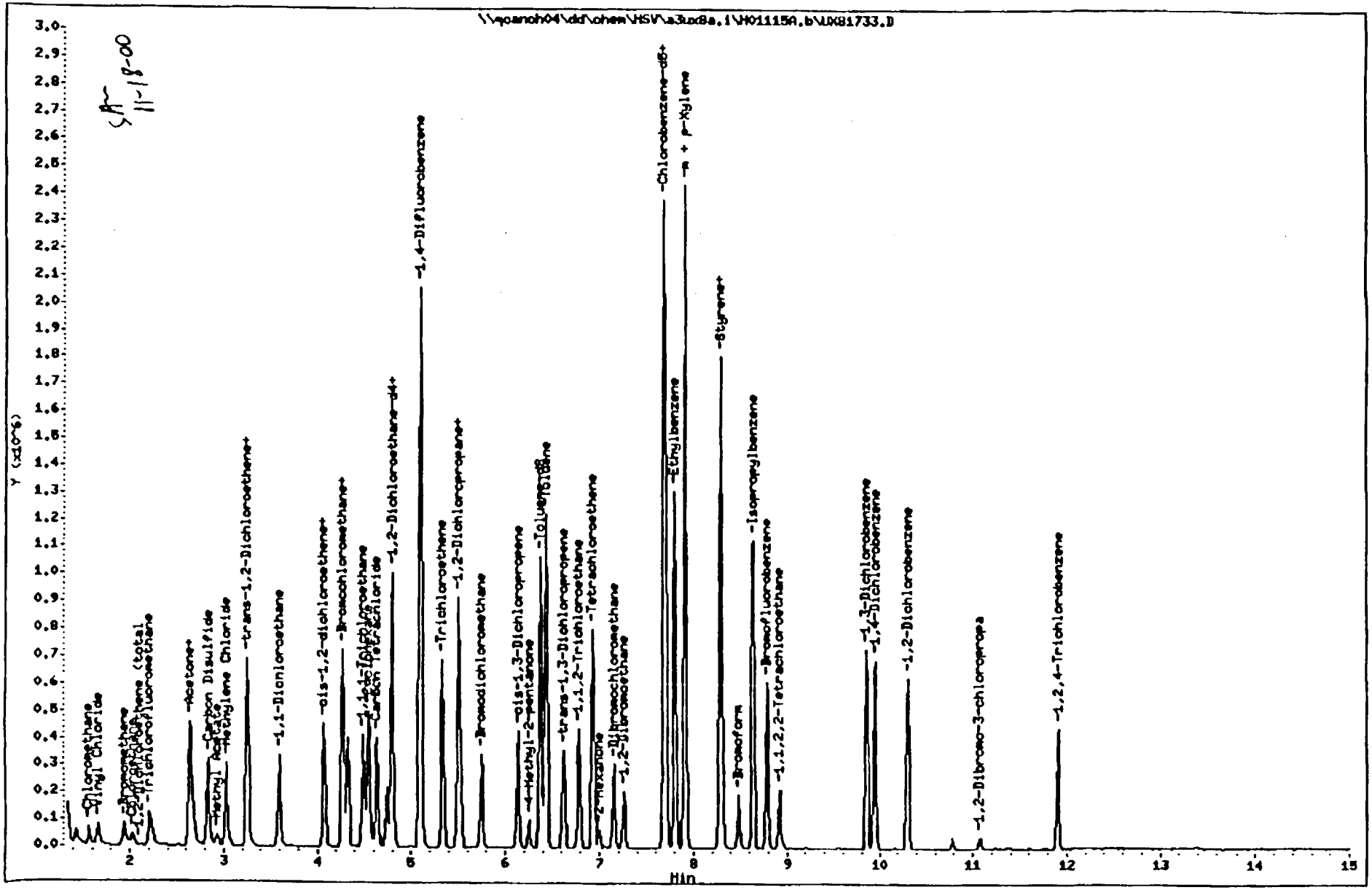
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.266	4.266	(1.000)	306706	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.094	(1.000)	2156320	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.686	(1.000)	1761928	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.739	(1.111)	432520	250.000	244.97
$ 5 Toluene-d8	98	6.372	6.372	(0.829)	2303258	250.000	248.60
$ 6 Bromofluorobenzene	95	8.786	8.786	(1.143)	755162	250.000	253.57
8 Chloromethane	50	1.568	1.568	(0.368)	195117	250.000	234.71
10 Bromomethane	94	1.947	1.947	(0.456)	222867	250.000	246.05
9 Vinyl Chloride	62	1.663	1.663	(0.390)	289132	250.000	229.88
11 Chloroethane	64	2.030	2.030	(0.476)	206301	250.000	237.11
16 Methylene Chloride	84	3.023	3.023	(0.709)	542552	250.000	236.12
14 Acetone	43	2.657	2.657	(0.623)	90245	250.000	258.51
17 Carbon Disulfide	76	2.834	2.834	(0.664)	1535358	250.000	220.53
15 1,1-Dichloroethene	96	2.633	2.633	(0.617)	546663	250.000	231.90
21 1,1-Dichloroethane	63	3.591	3.591	(0.842)	919307	250.000	244.10
19 trans-1,2-Dichloroethene	96	3.248	3.248	(0.761)	651925	250.000	242.55
23 cis-1,2-dichloroethene	96	4.065	4.065	(0.953)	668630	250.000	243.80

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81	1,2-Dichloroethene (total)	96				1320555	500.000	486.36
24	Chloroform	83	4.325	4.325	(1.014)	974076	250.000	244.43
27	1,2-Dichloroethane	62	4.798	4.798	(1.125)	543719	250.000	250.58
22	2-Butanone	43	4.065	4.065	(0.953)	80746	250.000	265.14
25	1,1,1-Trichloroethane	97	4.491	4.491	(0.882)	873877	250.000	248.27
26	Carbon Tetrachloride	117	4.633	4.633	(0.909)	853801	250.000	247.20
31	Bromodichloromethane	83	5.745	5.745	(1.128)	704167	250.000	250.01
30	1,2-Dichloropropane	63	5.520	5.520	(1.084)	523577	250.000	254.30
34	cis-1,3-Dichloropropene	75	6.135	6.135	(1.204)	877300	250.000	248.48
29	Trichloroethene	130	5.331	5.331	(1.046)	780118	250.000	249.45
40	Dibromochloromethane	129	7.153	7.153	(1.404)	547377	250.000	250.56
38	1,1,2-Trichloroethane	97	6.786	6.786	(1.332)	436856	250.000	250.72
28	Benzene	78	4.798	4.798	(0.942)	2451024	250.000	253.06
36	trans-1,3-Dichloropropene	75	6.621	6.621	(1.300)	721901	250.000	250.24
46	Bromoform	173	8.490	8.490	(1.667)	324806	250.000	252.20
33	4-Methyl-2-pentanone	58	6.254	6.254	(0.814)	105321	250.000	238.40
37	2-Hexanone	43	6.999	6.999	(0.911)	125585	250.000	247.67
39	Tetrachloroethene	164	6.928	6.928	(0.901)	665178	250.000	243.33
47	1,1,2,2-Tetrachloroethane	83	8.916	8.916	(1.160)	375976	250.000	254.55
35	Toluene	91	6.431	6.431	(0.837)	2828365	250.000	248.26
41	Chlorobenzene	112	7.709	7.709	(1.003)	1868206	250.000	249.48
42	Ethylbenzene	106	7.804	7.804	(1.015)	1039023	250.000	248.65
45	Styrene	104	8.301	8.301	(1.080)	1918631	250.000	255.52
43	m + p-Xylene	106	7.910	7.910	(1.029)	2475373	500.000	511.72
44	Xylene-o	106	8.289	8.289	(1.079)	1150383	250.000	256.66
M 80	Xylenes (total)	106				3625756	250.000	808.95
12	Trichlorofluoromethane	101	2.207	2.207	(0.517)	505713	250.000	225.59
7	Dichlorodifluoromethane	85	1.426	1.426	(0.334)	280756	250.000	232.34
48	1,3-Dichlorobenzene	146	9.851	9.851	(1.282)	1183014	250.000	255.50
49	1,4-Dichlorobenzene	146	9.946	9.946	(1.294)	1156412	250.000	257.51
50	1,2-Dichlorobenzene	146	10.312	10.312	(1.342)	980329	250.000	256.52
82	Methyl tert-butyl ether	73	3.248	3.248	(0.761)	976046	250.000	254.11
63	1,2-Dibromoethane	107	7.260	7.260	(1.425)	420924	250.000	251.41
51	Freon-113	151	2.668	2.668	(0.626)	297562	250.000	226.90
90	Cyclohexane	56	4.538	4.538	(0.891)	729654	250.000	247.28
92	Methyl Acetate	43	2.929	2.929	(0.687)	115251	250.000	246.97
93	Methylcyclohexane	83	5.497	5.497	(1.079)	1120625	250.000	252.49
94	1,2,4-Trichlorobenzene	180	11.910	11.910	(1.550)	557054	250.000	234.71
91	Isopropylbenzene	105	8.644	8.644	(1.125)	2878725	250.000	255.47
69	1,2-Dibromo-3-chloropropane	157	11.082	11.082	(1.442)	54297	250.000	239.20

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81733.D
Date : 15-NOV-2000 19:24
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807
Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81733.D
Lab Smp Id: 100NG-IC
Inj Date : 15-NOV-2000 19:24
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 100NG-IC
Misc Info : M01115A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 15-Nov-2000 20:23 macenczaks Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Bromochloromethane	128	4.265	4.265	(1.000)	295749	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.094	(1.000)	2052732	250.000	
* 3 Chlorobenzene-d5	117	7.685	7.685	(1.000)	1682347	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.739	(1.111)	161021	100.000	95.877
$ 5 Toluene-d8	98	6.372	6.372	(0.829)	847107	100.000	96.784
$ 6 Bromofluorobenzene	95	8.785	8.785	(1.143)	274884	100.000	97.480
8 Chloromethane	50	1.567	1.567	(0.368)	75293	100.000	95.376
10 Bromomethane	94	1.934	1.934	(0.454)	87247	100.000	99.919
9 Vinyl Chloride	62	1.662	1.662	(0.390)	112314	100.000	94.351
11 Chloroethane	64	2.029	2.029	(0.476)	78308	100.000	94.919
16 Methylene Chloride	84	3.023	3.023	(0.709)	216503	100.000	98.277
14 Acetone	43	2.656	2.656	(0.623)	27991	100.000	86.808
17 Carbon Disulfide	76	2.834	2.834	(0.664)	630145	100.000	95.325
15 1,1-Dichloroethene	96	2.632	2.632	(0.617)	210023	100.000	94.184
21 1,1-Dichloroethane	63	3.591	3.591	(0.842)	344508	100.000	96.100
19 trans-1,2-Dichloroethene	96	3.248	3.248	(0.761)	237428	100.000	93.572
23 cis-1,2-dichloroethene	96	4.064	4.064	(0.953)	245396	100.000	94.496

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				482824	200.000	188.08
24 Chloroform	83	4.324	4.324	(1.014)	364190	100.000	96.027
27 1,2-Dichloroethane	62	4.798	4.798	(1.125)	204161	100.000	98.173
22 2-Butanone	43	4.064	4.064	(0.953)	27959	100.000	96.363
25 1,1,1-Trichloroethane	97	4.490	4.490	(0.882)	328745	100.000	98.576
26 Carbon Tetrachloride	117	4.632	4.632	(0.909)	309587	100.000	95.554
31 Bromodichloromethane	83	5.744	5.744	(1.128)	262386	100.000	98.386
30 1,2-Dichloropropane	63	5.520	5.520	(1.084)	199431	100.000	101.31
34 cis-1,3-Dichloropropene	75	6.135	6.135	(1.204)	319450	100.000	96.238
29 Trichloroethene	130	5.330	5.330	(1.046)	278091	100.000	94.974
40 Dibromochloromethane	129	7.152	7.152	(1.404)	200808	100.000	97.396
38 1,1,2-Trichloroethane	97	6.786	6.786	(1.332)	169091	100.000	101.45
28 Benzene	78	4.798	4.798	(0.942)	904800	100.000	98.593
36 trans-1,3-Dichloropropene	75	6.620	6.620	(1.300)	258552	100.000	95.547
46 Bromoform	173	8.490	8.490	(1.667)	115136	100.000	95.361
33 4-Methyl-2-pentanone	58	6.253	6.253	(0.814)	34822	100.000	86.316
37 2-Hexanone	43	6.999	6.999	(0.911)	34372	100.000	76.544
39 Tetrachloroethene	164	6.928	6.928	(0.901)	239691	100.000	93.744
47 1,1,2,2-Tetrachloroethane	83	8.916	8.916	(1.160)	135009	100.000	96.763
35 Toluene	91	6.431	6.431	(0.837)	1045480	100.000	97.054
41 Chlorobenzene	112	7.709	7.709	(1.003)	687966	100.000	97.135
42 Ethylbenzene	106	7.803	7.803	(1.015)	369346	100.000	94.321
45 Styrene	104	8.300	8.300	(1.080)	691309	100.000	97.291
43 m + p-Xylene	106	7.910	7.910	(1.029)	907371	200.000	197.32
44 Xylene-o	106	8.288	8.288	(1.079)	414036	100.000	97.540
M 80 Xylenes (total)	106				1321407	100.000	311.30
12 Trichlorofluoromethane	101	2.206	2.206	(0.517)	184944	100.000	88.763
7 Dichlorodifluoromethane	85	1.425	1.425	(0.334)	103322	100.000	91.256
48 1,3-Dichlorobenzene	146	9.850	9.850	(1.282)	422070	100.000	96.563
49 1,4-Dichlorobenzene	146	9.945	9.945	(1.294)	411125	100.000	96.877
50 1,2-Dichlorobenzene	146	10.312	10.312	(1.342)	361713	100.000	99.342
82 Methyl tert-butyl ether	73	3.248	3.248	(0.761)	365561	100.000	99.020
63 1,2-Dibromoethane	107	7.259	7.259	(1.425)	157189	100.000	98.965
51 Freon-113	151	2.656	2.656	(0.623)	115482	100.000	93.347
90 Cyclohexane	56	4.537	4.537	(0.891)	265502	100.000	95.831
92 Methyl Acetate	43	2.928	2.928	(0.687)	41174	100.000	93.486
93 Methylcyclohexane	83	5.496	5.496	(1.079)	391586	100.000	94.408
94 1,2,4-Trichlorobenzene	180	11.909	11.909	(1.550)	209526	100.000	94.234
91 Isopropylbenzene	105	8.643	8.643	(1.125)	1007940	100.000	95.184
69 1,2-Dibromo-3-chloropropane	157	11.081	11.081	(1.442)	20374	100.000	95.432

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81734.D

Date : 15-NOV-2000 19:47

Client ID:

Sample Info: 50HG-IC

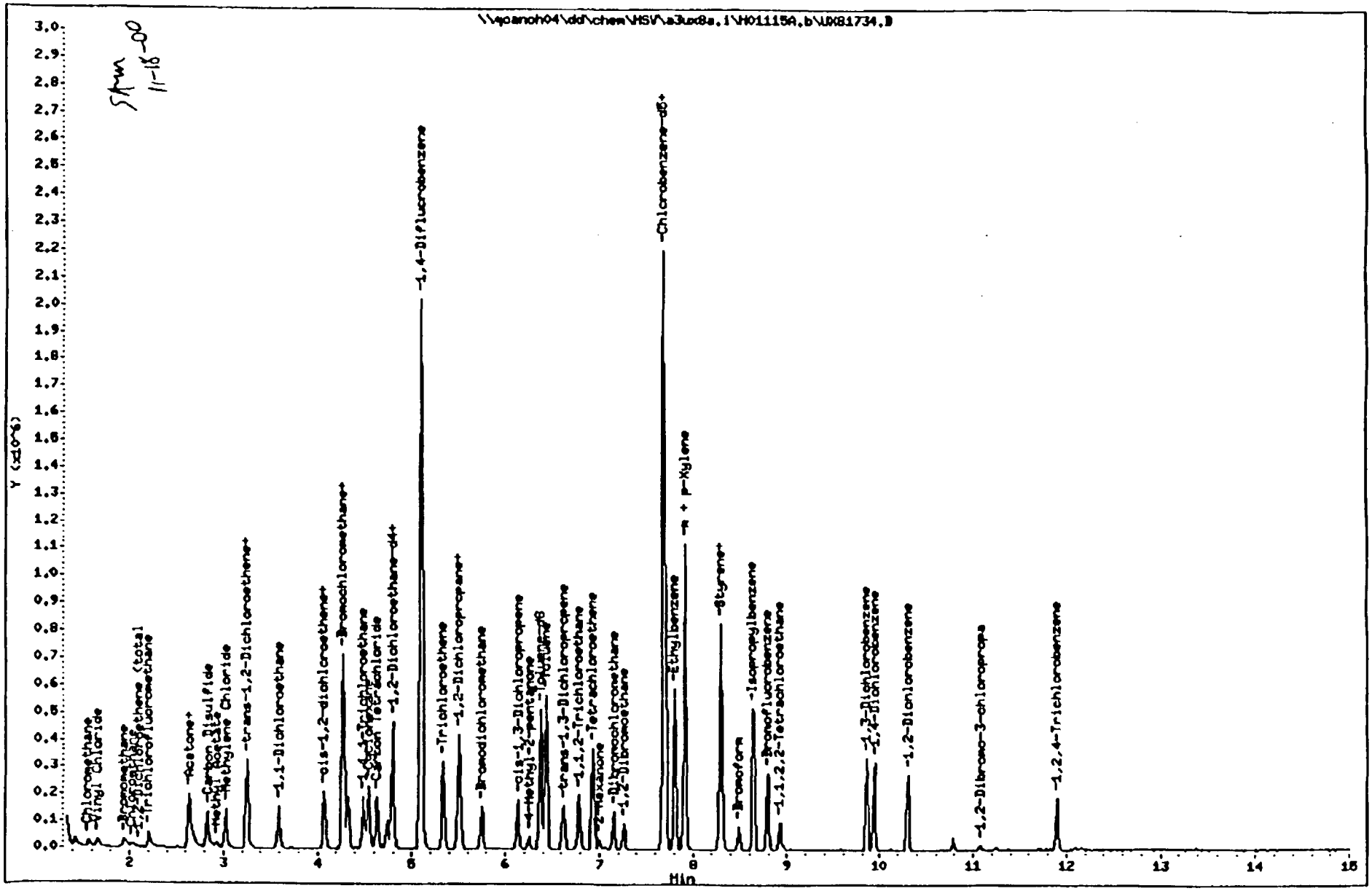
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



Stm 11-18-00

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81734.D
Lab Smp Id: 50NG-IC
Inj Date : 15-NOV-2000 19:47
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 50NG-IC
Misc Info : M01115A,8240LCLPUX8,,2807,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 15-Nov-2000 20:23 macenczaks Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.266	4.266	(1.000)	289770	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.094	(1.000)	2005279	250.000	
* 3 Chlorobenzene-d5	117	7.685	7.685	(1.000)	1621345	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.739	(1.111)	78759	50.0000	48.276
$ 5 Toluene-d8	98	6.372	6.372	(0.829)	403725	50.0000	48.275
$ 6 Bromofluorobenzene	95	8.786	8.786	(1.143)	126233	50.0000	47.119
8 Chloromethane	50	1.568	1.568	(0.368)	35449	50.0000	46.608
10 Bromomethane	94	1.947	1.947	(0.456)	39587	50.0000	46.973
9 Vinyl Chloride	62	1.663	1.663	(0.390)	52958	50.0000	46.256
11 Chloroethane	64	2.029	2.029	(0.476)	36563	50.0000	46.112
16 Methylene Chloride	84	3.023	3.023	(0.709)	101837	50.0000	47.719
14 Acetone	43	2.657	2.657	(0.623)	18697	50.0000	57.085
17 Carbon Disulfide	76	2.834	2.834	(0.664)	288056	50.0000	45.480
15 1,1-Dichloroethene	96	2.633	2.633	(0.617)	98314	50.0000	45.917
21 1,1-Dichloroethane	63	3.591	3.591	(0.842)	162205	50.0000	46.897
19 trans-1,2-Dichloroethene	96	3.248	3.248	(0.761)	111793	50.0000	45.891
23 cis-1,2-dichloroethene	96	4.065	4.065	(0.953)	113218	50.0000	45.498

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				225011	100.000	91.386
24 Chloroform	83	4.325	4.325	(1.014)	168930	50.0000	46.302
27 1,2-Dichloroethane	62	4.798	4.798	(1.125)	96156	50.0000	47.728
22 2-Butanone	43	4.065	4.065	(0.953)	14835	50.0000	51.733
25 1,1,1-Trichloroethane	97	4.491	4.491	(0.882)	151063	50.0000	47.052
26 Carbon Tetrachloride	117	4.633	4.633	(0.909)	143807	50.0000	46.281
31 Bromodichloromethane	83	5.745	5.745	(1.128)	121107	50.0000	47.148
30 1,2-Dichloropropane	63	5.520	5.520	(1.084)	91444	50.0000	48.021
34 cis-1,3-Dichloropropene	75	6.135	6.135	(1.204)	141054	50.0000	44.661
29 Trichloroethane	130	5.331	5.331	(1.046)	139139	50.0000	48.909
40 Dibromochloromethane	129	7.153	7.153	(1.404)	90133	50.0000	45.710
38 1,1,2-Trichloroethane	97	6.786	6.786	(1.332)	77025	50.0000	47.822
28 Benzene	78	4.798	4.798	(0.942)	427326	50.0000	48.115
36 trans-1,3-Dichloropropene	75	6.621	6.621	(1.300)	117841	50.0000	45.566
46 Bromoform	173	8.490	8.490	(1.667)	50671	50.0000	44.206
33 4-Methyl-2-pentanone	58	6.254	6.254	(0.814)	15913	50.0000	42.470
37 2-Hexanone	43	6.999	6.999	(0.911)	17152	50.0000	41.348
39 Tetrachloroethene	164	6.928	6.928	(0.901)	115815	50.0000	47.571
47 1,1,2,2-Tetrachloroethane	83	8.928	8.928	(1.162)	60379	50.0000	45.837
35 Toluene	91	6.431	6.431	(0.837)	481180	50.0000	47.036
41 Chlorobenzene	112	7.709	7.709	(1.003)	319609	50.0000	47.426
42 Ethylbenzene	106	7.804	7.804	(1.015)	169270	50.0000	45.796
45 Styrene	104	8.301	8.301	(1.080)	307044	50.0000	45.783
43 m + p-Xylene	106	7.910	7.910	(1.029)	413770	100.000	94.622
44 Xylene-o	106	8.289	8.289	(1.079)	186943	50.0000	46.498
M 80 Xylenes (total)	106				600713	50.0000	149.41
12 Trichlorofluoromethane	101	2.207	2.207	(0.517)	78074	50.0000	40.132
7 Dichlorodifluoromethane	85	1.426	1.426	(0.334)	52449	50.0000	47.800
48 1,3-Dichlorobenzene	146	9.851	9.851	(1.282)	187463	50.0000	45.503
49 1,4-Dichlorobenzene	146	9.946	9.946	(1.294)	184893	50.0000	46.091
50 1,2-Dichlorobenzene	146	10.312	10.312	(1.342)	160633	50.0000	46.563
82 Methyl tert-butyl ether	73	3.248	3.248	(0.761)	169141	50.0000	47.374
63 1,2-Dibromoethane	107	7.259	7.259	(1.425)	72539	50.0000	47.366
51 Freon-113	151	2.668	2.668	(0.626)	55081	50.0000	46.286
90 Cyclohexane	56	4.538	4.538	(0.891)	121144	50.0000	45.719(a)
92 Methyl Acetate	43	2.929	2.929	(0.687)	18784	50.0000	44.686(a)
93 Methylcyclohexane	83	5.496	5.496	(1.079)	186100	50.0000	46.689(a)
94 1,2,4-Trichlorobenzene	180	11.910	11.910	(1.550)	92608	50.0000	44.422(a)
91 Isopropylbenzene	105	8.644	8.644	(1.125)	460318	50.0000	46.006(a)
69 1,2-Dibromo-3-chloropropane	157	11.081	11.081	(1.442)	8288	50.0000	41.911(a)

QC Flag Legend

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

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SEVERN TRENT LABORATORIES Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 0K04153

Instrument ID: A3I503 Calibration Date: 11/16/00 Time: 1148

Lab File ID: VOX5502 Init. Calib. Date(s): 11/16/00 11/16/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1045 1248

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.030	0.933		9.4	
Bromomethane	1.588	1.373	0.100	13.5	25.0
Vinyl Chloride	1.055	0.967	0.100	8.3	25.0
Chloroethane	0.935	0.789		15.6	
Methylene Chloride	1.368	1.220		10.8	
Acetone	0.621	0.660		-6.3	
Carbon Disulfide	4.146	3.766		9.2	
1,1-Dichloroethene	1.476	1.323	0.100	10.4	25.0
1,1-Dichloroethane	3.337	3.068	0.200	8.1	25.0
1,2-Dichloroethene (total)	1.528	1.391		9.0	
Chloroform	4.108	3.752	0.200	8.7	25.0
1,2-Dichloroethane	2.910	2.584	0.100	11.2	25.0
2-Butanone	0.710	0.787		-10.8	
1,1,1-Trichloroethane	0.917	0.840	0.100	8.4	25.0
Carbon Tetrachloride	0.953	0.883	0.100	7.3	25.0
Bromodichloromethane	0.996	0.897	0.200	9.9	25.0
1,2-Dichloropropane	0.419	0.369		11.9	
cis-1,3-Dichloropropene	0.643	0.580	0.200	9.8	25.0
Trichloroethene	0.480	0.441	0.300	8.1	25.0
Dibromochloromethane	0.865	0.772	0.100	10.8	25.0
1,1,2-Trichloroethane	0.347	0.303	0.100	12.7	25.0
Benzene	0.887	0.804	0.500	9.4	25.0
trans-1,3-Dichloropropene	0.596	0.534	0.100	10.4	25.0
Bromoform	0.656	0.571	0.100	13.0	25.0
4-Methyl-2-pentanone	0.107	0.100		6.5	
2-Hexanone	0.308	0.352		-14.3	
Tetrachloroethene	0.522	0.475	0.200	9.0	25.0
1,1,2,2-Tetrachloroethane	0.613	0.531	0.500	13.4	25.0
Toluene	1.102	1.018	0.400	7.6	25.0
Chlorobenzene	0.997	0.890	0.500	10.7	25.0
Ethylbenzene	0.443	0.404	0.100	8.8	25.0
Styrene	0.943	0.849	0.300	10.0	25.0
Xylenes (total)	0.570	0.512	0.300	10.2	25.0
Toluene-d8	1.024	1.026		-0.2	
Bromofluorobenzene	0.908	0.876	0.200	3.5	25.0
1,2-Dichloroethane-d4	2.516	2.413		4.1	

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA OLM03.0

/A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Instrument ID: A3UX8A Calibration Date: 11/08/00 Time: 1911

Lab File ID: UX81525 Init. Calib. Date(s): 11/05/00 11/05/00

Heated Purge: (Y/N) N Init. Calib. Times: 1016 1148

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Chloromethane	0.821	0.809		-1.5		
Bromomethane	0.764	0.774	0.100	1.3	25.0	
Vinyl Chloride	1.201	1.183	0.100	-1.5	25.0	
Chloroethane	0.713	0.708		-0.7		
Methylene Chloride	2.033	1.887		-7.2		
Acetone	0.283	0.305		7.8		
Carbon Disulfide	5.759	5.829		1.2		
1,1-Dichloroethene	1.877	1.943	0.100	3.5	25.0	
1,1-Dichloroethane	3.022	3.028	0.200	0.2	25.0	
1,2-Dichloroethene (total)	2.159	2.175		0.7		
Chloroform	3.142	3.187	0.200	1.4	25.0	
1,2-Dichloroethane	1.782	1.767	0.100	-0.8	25.0	
2-Butanone	0.220	0.229		4.1		
1,1,1-Trichloroethane	0.392	0.396	0.100	1.0	25.0	
Carbon Tetrachloride	0.372	0.378	0.100	1.6	25.0	
Bromodichloromethane	0.305	0.303	0.200	-0.6	25.0	
1,2-Dichloropropane	0.237	0.236		-0.4		
cis-1,3-Dichloropropene	0.328	0.326	0.200	-0.6	25.0	
Trichloroethene	0.334	0.334	0.300	0.0	25.0	
Dibromochloromethane	0.228	0.226	0.100	-0.9	25.0	
1,1,2-Trichloroethane	0.188	0.186	0.100	-1.1	25.0	
Benzene	1.105	1.109	0.500	0.4	25.0	
trans-1,3-Dichloropropene	0.297	0.295	0.100	-0.7	25.0	
Bromoform	0.130	0.130	0.100	0.0	25.0	
4-Methyl-2-pentanone	0.055	0.055		0.0		
2-Hexanone	0.059	0.060		1.7		
Tetrachloroethene	0.360	0.363	0.200	0.8	25.0	
1,1,2,2-Tetrachloroethane	0.196	0.196	0.300	0.0	25.0	<-
Toluene	1.565	1.577	0.400	0.8	25.0	
Chlorobenzene	1.010	1.017	0.500	0.7	25.0	
Ethylbenzene	0.563	0.571	0.100	1.4	25.0	
Styrene	1.007	1.043	0.300	3.6	25.0	
Xylenes (total)	0.610	0.627	0.300	2.8	25.0	
Toluene-d8	1.331	1.338		0.5		
Bromofluorobenzene	0.415	0.421	0.200	1.4	25.0	
1,2-Dichloroethane-d4	1.504	1.483		-1.4		

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA OLM03.0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: OK04153

Instrument ID: A3UX8A Calibration Date: 11/15/00 Time: 1901

Lab File ID: UX81732 Init. Calib. Date(s): 11/15/00 11/15/00

Heated Purge: (Y/N) N Init. Calib. Times: 1815 1947

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Chloromethane	0.656	0.636		-3.0		
Bromomethane	0.727	0.727	0.100	0.0	25.0	
Vinyl Chloride	0.988	0.943	0.100	-4.6	25.0	
Chloroethane	0.684	0.673		-1.6		
Methylene Chloride	1.841	1.769		-3.9		
Acetone	0.283	0.294		3.9		
Carbon Disulfide	5.464	5.006		-8.4		
1,1-Dichloroethene	1.847	1.782	0.100	-3.5	25.0	
1,1-Dichloroethane	2.984	2.997	0.200	0.4	25.0	
1,2-Dichloroethene (total)	2.124	2.153		1.4		
Chloroform	3.148	3.176	0.200	0.9	25.0	
1,2-Dichloroethane	1.738	1.773	0.100	2.0	25.0	
2-Butanone	0.247	0.263		6.5		
1,1,1-Trichloroethane	0.400	0.405	0.100	1.2	25.0	
Carbon Tetrachloride	0.387	0.396	0.100	2.3	25.0	
Bromodichloromethane	0.320	0.326	0.200	1.9	25.0	
1,2-Dichloropropane	0.237	0.243		2.5		
cis-1,3-Dichloropropene	0.394	0.407	0.200	3.3	25.0	
Trichloroethene	0.355	0.362	0.300	2.0	25.0	
Dibromochloromethane	0.246	0.254	0.100	3.2	25.0	
1,1,2-Trichloroethane	0.201	0.202	0.100	0.5	25.0	
Benzene	1.107	1.137	0.500	2.7	25.0	
trans-1,3-Dichloropropene	0.322	0.335	0.100	4.0	25.0	
Bromoform	0.143	0.151	0.100	5.6	25.0	
4-Methyl-2-pentanone	0.058	0.060		3.4		
2-Hexanone	0.064	0.071		10.9		
Tetrachloroethene	0.375	0.378	0.200	0.8	25.0	
1,1,2,2-Tetrachloroethane	0.203	0.213	0.300	4.9	25.0	<-
Toluene	1.577	1.605	0.400	1.8	25.0	
Chlorobenzene	1.039	1.060	0.500	2.0	25.0	
Ethylbenzene	0.570	0.590	0.100	3.5	25.0	
Styrene	1.034	1.089	0.300	5.3	25.0	
Xylenes (total)	0.620	0.653	0.300	5.3	25.0	
Toluene-d8	1.289	1.307		1.4		
Bromofluorobenzene	0.413	0.428	0.200	3.6	25.0	
1,2-Dichloroethane-d4	1.407	1.410		0.2		

All other compounds must meet a minimum RRF of 0.010.

FORM VII VOA OLM03.0

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81525.D

Date : 08-NOV-2000 19:11

Client ID:

Sample Info: 250NG-CC

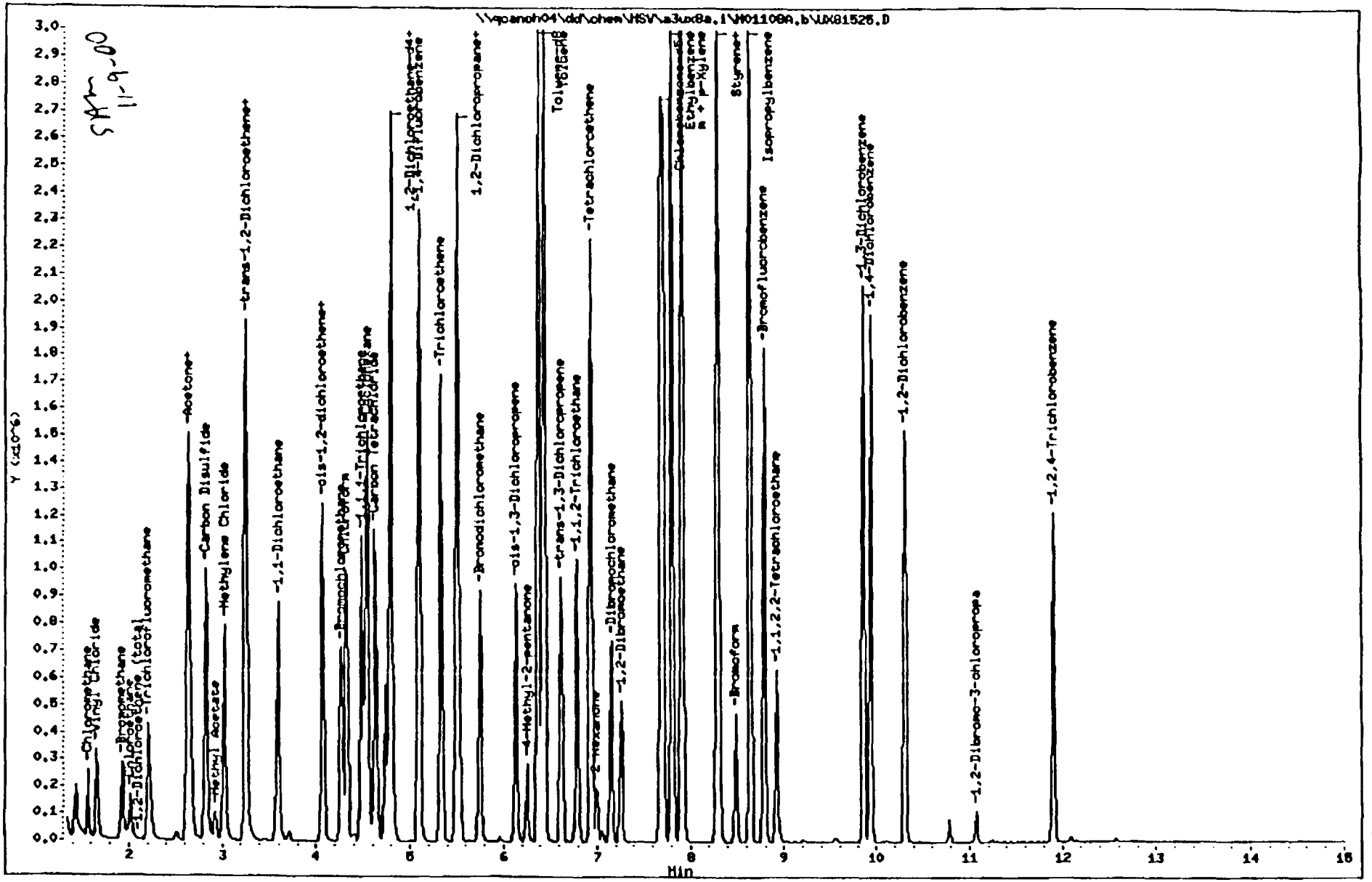
Purge Volume: 5.0

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81525.D
Lab Smp Id: 250NG-CC
Inj Date : 08-NOV-2000 19:11
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : 250NG-CC
Misc Info : M01108A,8240LCLPUX8,,2807,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Bromochloromethane	128	4.269	4.269	(1.000)	309741	250.000	
* 2 1,4-Difluorobenzene	114	5.097	5.097	(1.000)	2259669	250.000	
* 3 Chlorobenzene-d5	117	7.689	7.689	(1.000)	1797295	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.730	4.730	(1.108)	459317	250.000	246.48
$ 5 Toluene-d8	98	6.375	6.375	(0.829)	2405524	250.000	251.42
$ 6 Bromofluorobenzene	95	8.789	8.789	(1.143)	757306	250.000	253.42
8 Chloromethane	50	1.559	1.559	(0.365)	250696	250.000	246.50
10 Bromomethane	94	1.926	1.926	(0.451)	239754	250.000	253.25
9 Vinyl Chloride	62	1.654	1.654	(0.387)	366577	250.000	246.34
11 Chloroethane	64	2.021	2.021	(0.473)	219218	250.000	248.11
16 Methylene Chloride	84	3.026	3.026	(0.709)	584598	250.000	232.09
14 Acetone	43	2.660	2.660	(0.623)	94577	250.000	269.60
17 Carbon Disulfide	76	2.825	2.825	(0.662)	1805535	250.000	253.04
15 1,1-Dichloroethene	96	2.636	2.636	(0.618)	601742	250.000	258.69
21 1,1-Dichloroethane	63	3.594	3.594	(0.842)	937865	250.000	250.49
19 trans-1,2-Dichloroethene	96	3.251	3.251	(0.762)	679878	250.000	251.85
23 cis-1,2-dichloroethene	96	4.068	4.068	(0.953)	667482	250.000	251.77

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
M 81 1,2-Dichloroethene (total)	96				1347360	500.000	503.63
24 Chloroform	83	4.316	4.316	(1.011)	987144	250.000	253.60
27 1,2-Dichloroethane	62	4.801	4.801	(1.125)	547190	250.000	247.90
22 2-Butanone	43	4.056	4.056	(0.950)	70895	250.000	260.62
25 1,1,1-Trichloroethane	97	4.482	4.482	(0.879)	894168	250.000	252.45
26 Carbon Tetrachloride	117	4.624	4.624	(0.907)	855427	250.000	254.52
31 Bromodichloromethane	83	5.748	5.748	(1.128)	684932	250.000	248.26
30 1,2-Dichloropropane	63	5.511	5.511	(1.081)	532904	250.000	248.74
34 cis-1,3-Dichloropropene	75	6.127	6.127	(1.202)	737222	250.000	249.06
29 Trichloroethene	130	5.334	5.334	(1.046)	754656	250.000	249.71
40 Dibromochloromethane	129	7.156	7.156	(1.404)	511449	250.000	248.52
38 1,1,2-Trichloroethane	97	6.789	6.789	(1.332)	420348	250.000	247.68
28 Benzene	78	4.790	4.790	(0.940)	2505441	250.000	250.71
36 trans-1,3-Dichloropropene	75	6.612	6.612	(1.297)	667013	250.000	248.77
46 Bromoform	173	8.481	8.481	(1.664)	293213	250.000	249.77
33 4-Methyl-2-pentanone	58	6.257	6.257	(0.814)	98993	250.000	249.52
37 2-Hexanone	43	6.990	6.990	(0.909)	108753	250.000	256.03
39 Tetrachloroethene	164	6.931	6.931	(0.902)	652823	250.000	252.14
47 1,1,2,2-Tetrachloroethane	83	8.919	8.919	(1.160)	351645	250.000	250.04
35 Toluene	91	6.434	6.434	(0.837)	2835083	250.000	252.05
41 Chlorobenzene	112	7.712	7.712	(1.003)	1828151	250.000	251.81
42 Ethylbenzene	106	7.807	7.807	(1.015)	1025689	250.000	253.39
45 Styrene	104	8.304	8.304	(1.080)	1873929	250.000	258.91
43 m + p-Xylene	106	7.913	7.913	(1.029)	2463830	500.000	512.86
44 Xylene-o	106	8.292	8.292	(1.078)	1127323	250.000	257.05
M 80 Xylenes (total)	106				3591153	250.000	818.84
12 Trichlorofluoromethane	101	2.210	2.210	(0.518)	561264	250.000	241.27
7 Dichlorodifluoromethane	85	1.429	1.429	(0.335)	331627	250.000	214.90
48 1,3-Dichlorobenzene	146	9.854	9.854	(1.282)	1114391	250.000	256.79
49 1,4-Dichlorobenzene	146	9.937	9.937	(1.292)	1108846	250.000	256.76
50 1,2-Dichlorobenzene	146	10.315	10.315	(1.342)	906232	250.000	256.06
82 Methyl tert-butyl ether	73	3.239	3.239	(0.759)	1004123	250.000	248.02
63 1,2-Dibromoethane	107	7.263	7.263	(1.425)	403568	250.000	249.28
51 Freon-113	151	2.648	2.648	(0.620)	352900	250.000	254.10
90 Cyclohexane	56	4.541	4.541	(0.891)	813596	250.000	250.49
92 Methyl Acetate	43	2.932	2.932	(0.687)	115962	250.000	233.42
93 Methylcyclohexane	83	5.499	5.499	(1.079)	1172609	250.000	259.47
94 1,2,4-Trichlorobenzene	180	11.901	11.901	(1.548)	528698	250.000	248.94
91 Isopropylbenzene	105	8.635	8.635	(1.123)	2924656	250.000	259.76
69 1,2-Dibromo-3-chloropropane	157	11.073	11.073	(1.440)	49365	250.000	242.48

Committed To *Your* Success

RAW QC DATA

Data File: /chem/car/msv/a31503.i/X01116A.b/BFB745X.d

Date : 16-NOV-2000 10:29

Client ID: 50NG BFB

Instrument: a31503.i

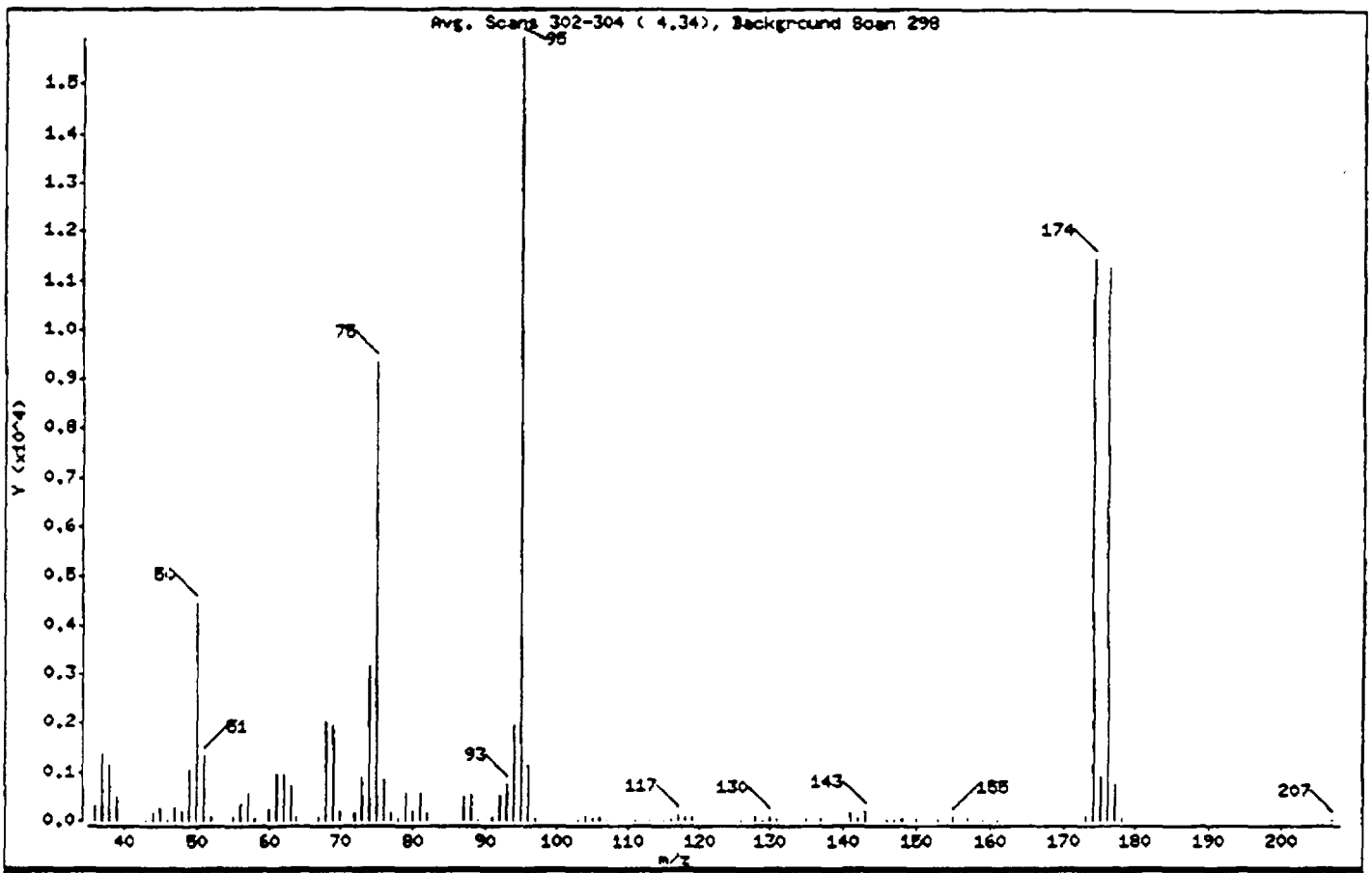
Sample Info: 50NG DIR INJ BFB

Operator: 1904

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	27.74
75	30.00 - 66.00% of mass 95	58.56
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.36 (0.51)
174	50.00 - 120.00% of mass 95	71.80
175	4.00 - 9.00% of mass 174	5.45 (7.59)
176	93.00 - 101.00% of mass 174	70.56 (98.28)
177	5.00 - 9.00% of mass 176	4.67 (6.62)

Data File: /chem/oan/msv/a31503.i/X01116A.b/BFB745X.d

Date : 16-NOV-2000 10:29

Client ID: BONC BFB

Instrument: a31503.i

Sample Info: BONC DIR INJ BFB

Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

Data File: BFB745X.d

Spectrum: Avg. Scans 302-304 (4.34), Background Scan 298

Location of Maximum: 95.00

Number of points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	277	64.00	82	94.00	1944	137.00	21
37.00	1355	67.00	72	95.00	15925	141.00	161
38.00	1148	68.00	2026	96.00	1130	142.00	20
39.00	494	69.00	1945	97.00	38	143.00	168
43.00	6	70.00	185	103.00	5	146.00	17
44.00	152	72.00	139	104.00	85	147.00	6
45.00	238	73.00	863	105.00	24	148.00	54
46.00	10	74.00	3146	106.00	70	150.00	35
47.00	262	75.00	9325	107.00	7	153.00	8
48.00	165	76.00	840	111.00	5	155.00	55
49.00	1043	77.00	129	113.00	5	157.00	30
50.00	4417	78.00	48	115.00	6	159.00	12
51.00	1308	79.00	566	116.00	50	161.00	13
52.00	88	80.00	182	117.00	120	173.00	58
55.00	79	81.00	535	118.00	79	174.00	11434
56.00	344	82.00	137	119.00	78	175.00	868
57.00	564	87.00	490	126.00	6	176.00	11237
58.00	27	88.00	504	128.00	75	177.00	744
60.00	224	89.00	5	129.00	17	178.00	20
61.00	960	91.00	84	130.00	76	207.00	11
62.00	961	92.00	503	131.00	27		
63.00	711	93.00	742	135.00	31		

Data File: /ohem/can/msv/a31503.i/X01116A.b/BFB745X.d

Date : 16-NOV-2000 10:29

Client ID: 50NG BFB

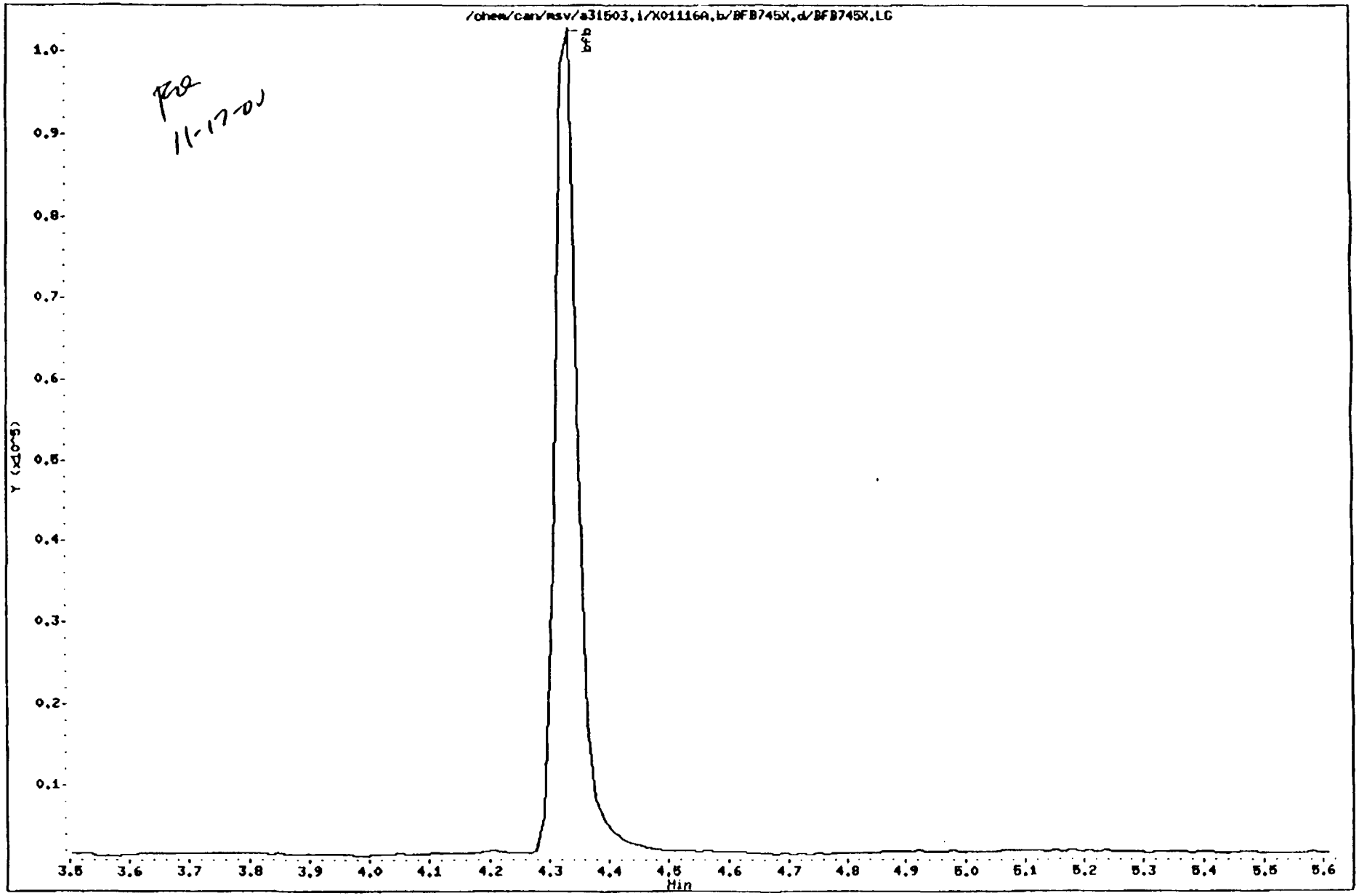
Sample Info: 50NG DIR INJ BFB

Column phase: RTX502.2

Instrument: a31503.i

Operator: 1904

Column diameter: 0.53



FR 11-17-00

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\BFB8556.D

Date : 06-NOV-2000 09:55

Client ID: 50NG BFB

Instrument: a3ux8a.i

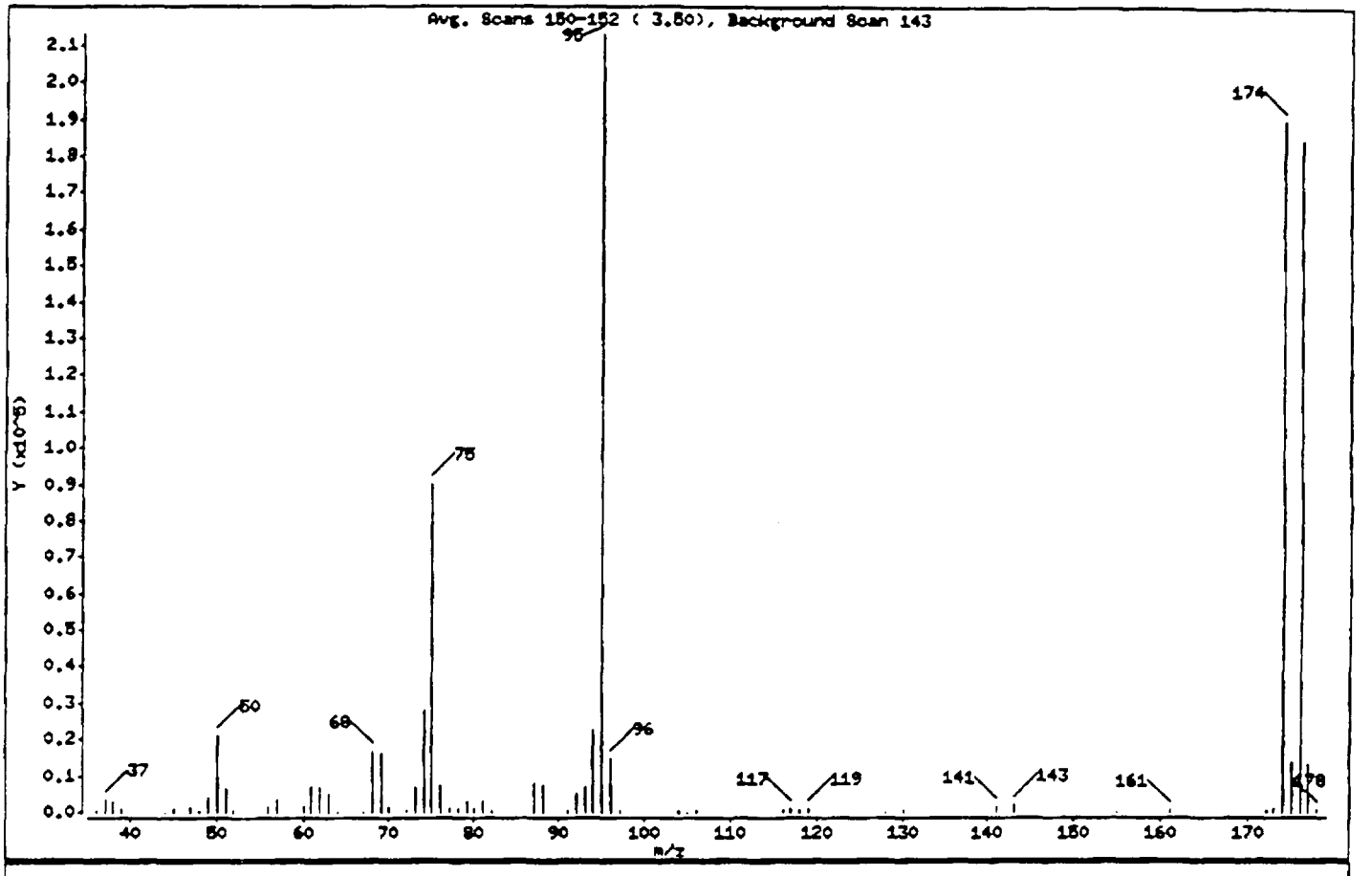
Sample Info: 50NG INJECTION OF BFB

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	9.89
75	30.00 - 66.00% of mass 95	42.48
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.46 (0.52)
174	50.00 - 120.00% of mass 95	89.15
175	4.00 - 9.00% of mass 174	6.38 (7.15)
176	93.00 - 101.00% of mass 174	86.75 (97.31)
177	5.00 - 9.00% of mass 176	6.19 (7.14)

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01105A.b\BFB8556.D

Date : 05-NOV-2000 09:55

Client ID: BONC BFB

Instrument: a3ux8a.i

Sample Info: BONC INJECTION OF BFB

Operator: 2807

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB8556.D

Spectrum: Avg. Scans 150-152 (3.50), Background Scan 143

Location of Maximum: 95.00

Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	440	62.00	6669	81.00	3174	118.00	544
37.00	3200	63.00	5031	82.00	374	119.00	992
38.00	2875	64.00	179	87.00	7628	128.00	198
39.00	1095	67.00	231	88.00	7313	130.00	639
44.00	70	68.00	16432	91.00	422	141.00	1716
45.00	946	69.00	16176	92.00	4816	143.00	2036
47.00	1583	70.00	1408	93.00	7078	155.00	187
48.00	662	72.00	724	94.00	22424	161.00	247
49.00	4129	73.00	6927	95.00	212864	172.00	358
50.00	21048	74.00	27888	96.00	14510	173.00	985
51.00	6570	75.00	90440	97.00	427	174.00	189760
52.00	573	76.00	7245	104.00	494	175.00	13577
56.00	1674	77.00	1076	105.00	174	176.00	184640
57.00	3509	78.00	918	106.00	553	177.00	13186
60.00	1358	79.00	2881	116.00	397	178.00	423
61.00	6916	80.00	1091	117.00	995		

Data File: \\qoanoh04\dd\ohem\HSV\a3ux8a.i\H01105A.b\BFB8556.D

Page 1

Date : 05-NOV-2000 09:55

Client ID: 50NG BFB

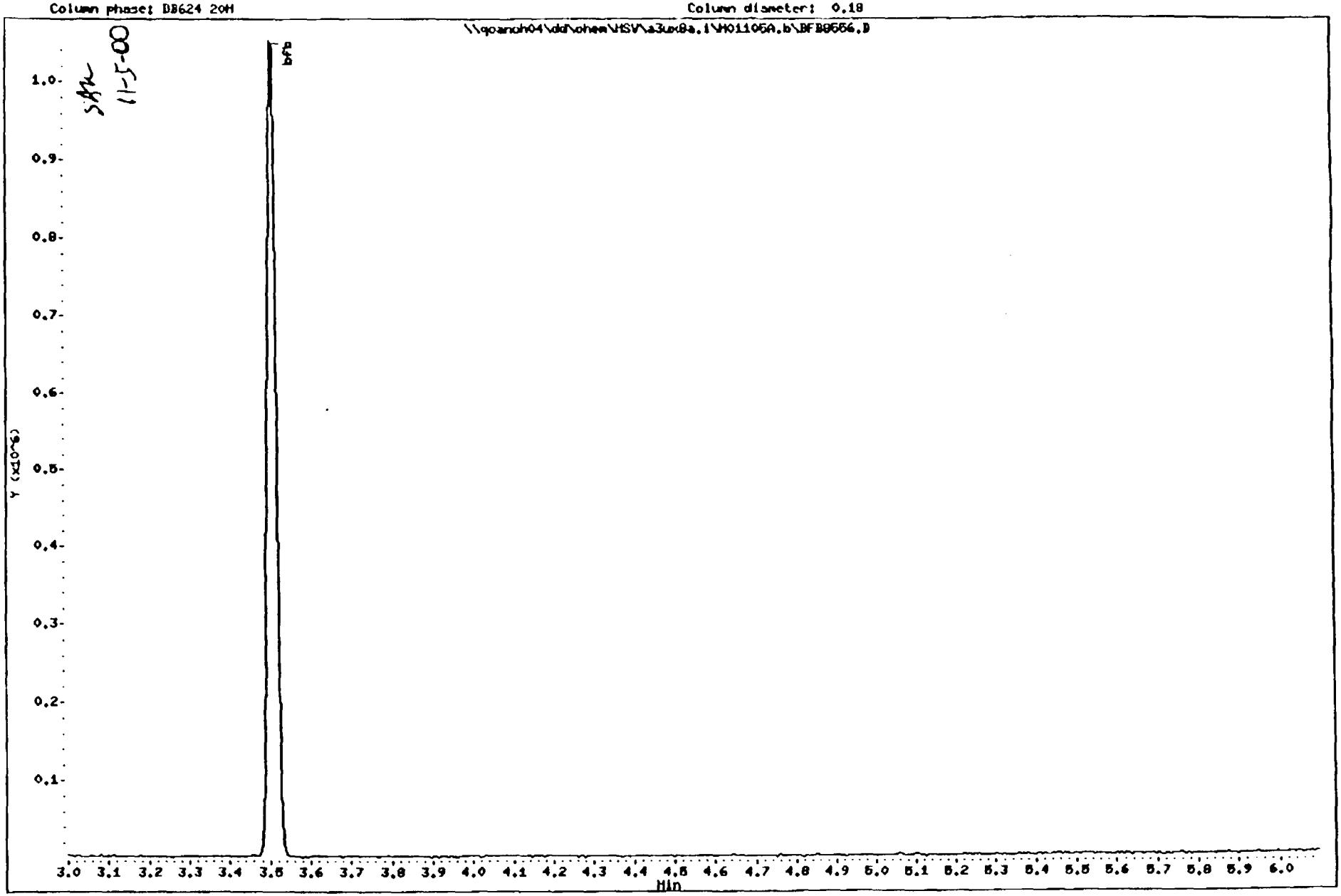
Instrument: a3ux8a.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20M

Column diameter: 0.18



SAL 11-5-00

Data File: \\eqanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\BFB8561.D

Date : 08-NOV-2000 18:52

Client ID: 50NC BFB

Instrument: a3ux8a.i

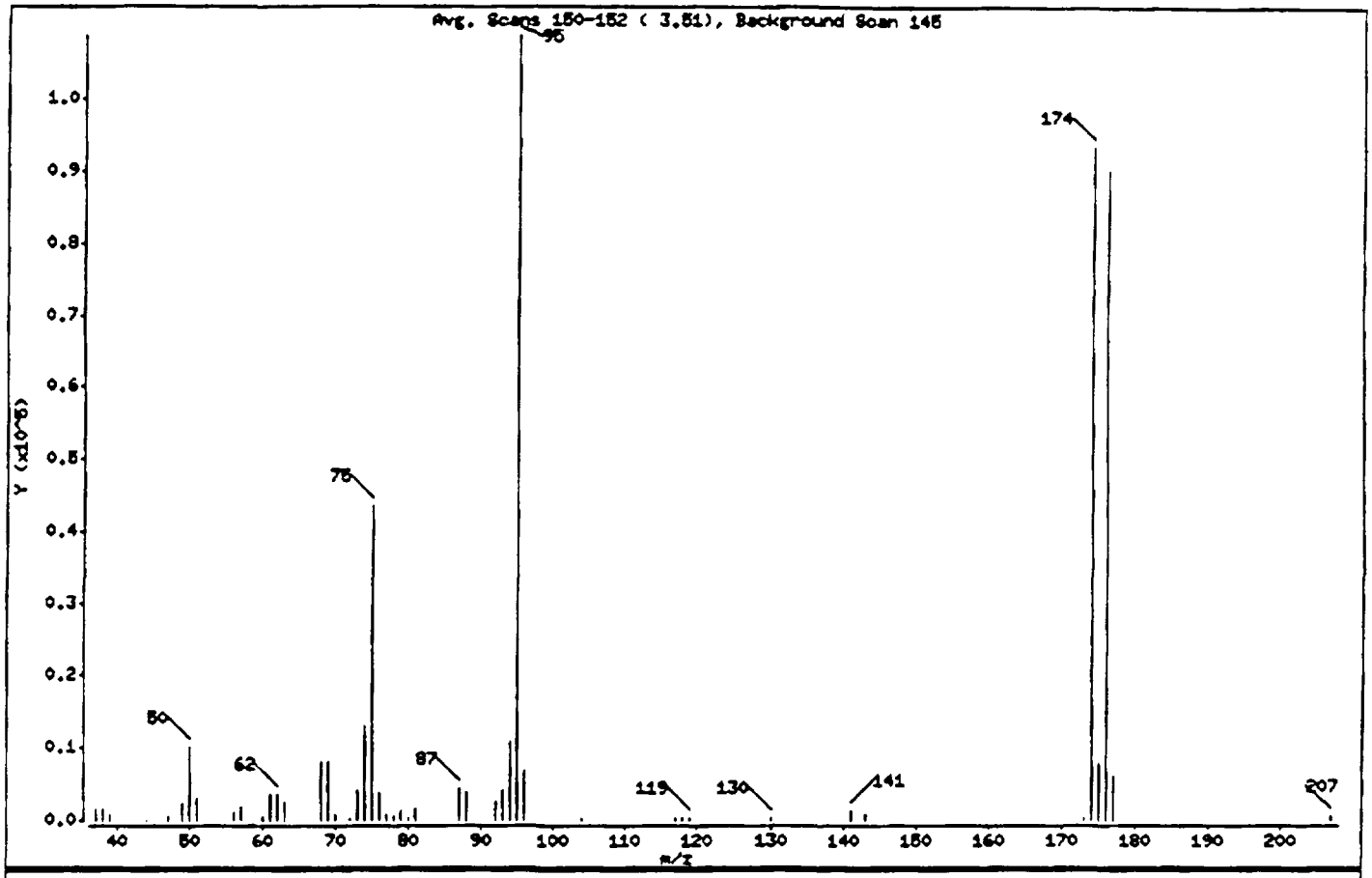
Sample Info: 50NC INJECTION OF BFB

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	9.33
75	30.00 - 66.00% of mass 95	39.99
96	5.00 - 9.00% of mass 95	6.33
173	Less than 2.00% of mass 174	0.17 (0.19)
174	50.00 - 120.00% of mass 95	85.79
175	4.00 - 9.00% of mass 174	7.22 (8.42)
176	93.00 - 101.00% of mass 174	82.68 (96.37)
177	5.00 - 9.00% of mass 176	5.64 (6.82)

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\BFB8561.D

Date : 08-NOV-2000 18:52

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: BFB8561.D

Spectrum: Avg. Scans 150-152 (3.51), Background Scan 145

Location of Maximum: 95.00

Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1595	62.00	3596	79.00	1329	118.00	168
38.00	1387	63.00	2479	80.00	211	119.00	243
39.00	744	68.00	7995	81.00	1594	130.00	355
44.00	118	69.00	8016	87.00	4212	141.00	1164
47.00	414	70.00	684	88.00	3752	143.00	775
49.00	2190	72.00	343	92.00	2563	173.00	181
50.00	10144	73.00	4009	93.00	4053	174.00	93272
51.00	3038	74.00	12999	94.00	10779	175.00	7850
56.00	933	75.00	43472	95.00	108720	176.00	89888
57.00	1671	76.00	3721	96.00	6886	177.00	6133
60.00	535	77.00	680	104.00	264	207.00	597
61.00	3432	78.00	594	117.00	235		

Data File: \\qoanoh04\dd\ohem\HSV\a3ux8a.i\H01108A.b\BFB8561.D

Page 1

Date : 08-NOV-2000 18:52

Client ID: 50NG BFB

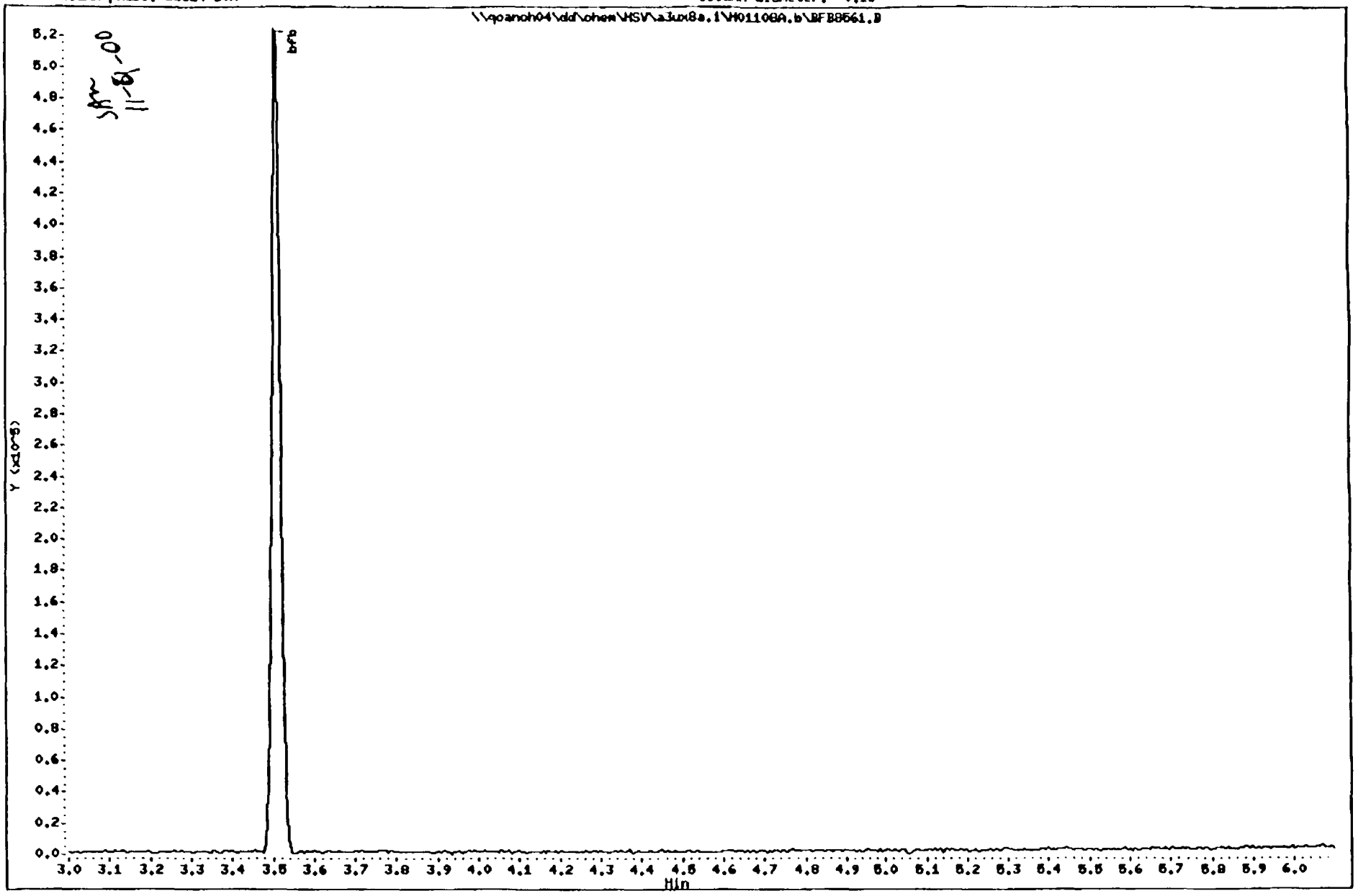
Instrument: a3ux8a.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\mcanoh04\dd\chem\MSV\a3ux8a.i\M011115A.b\BFB3571.D

Date : 15-NOV-2000 17:55

Client ID: 50NG BFB

Instrument: a3ux8a.i

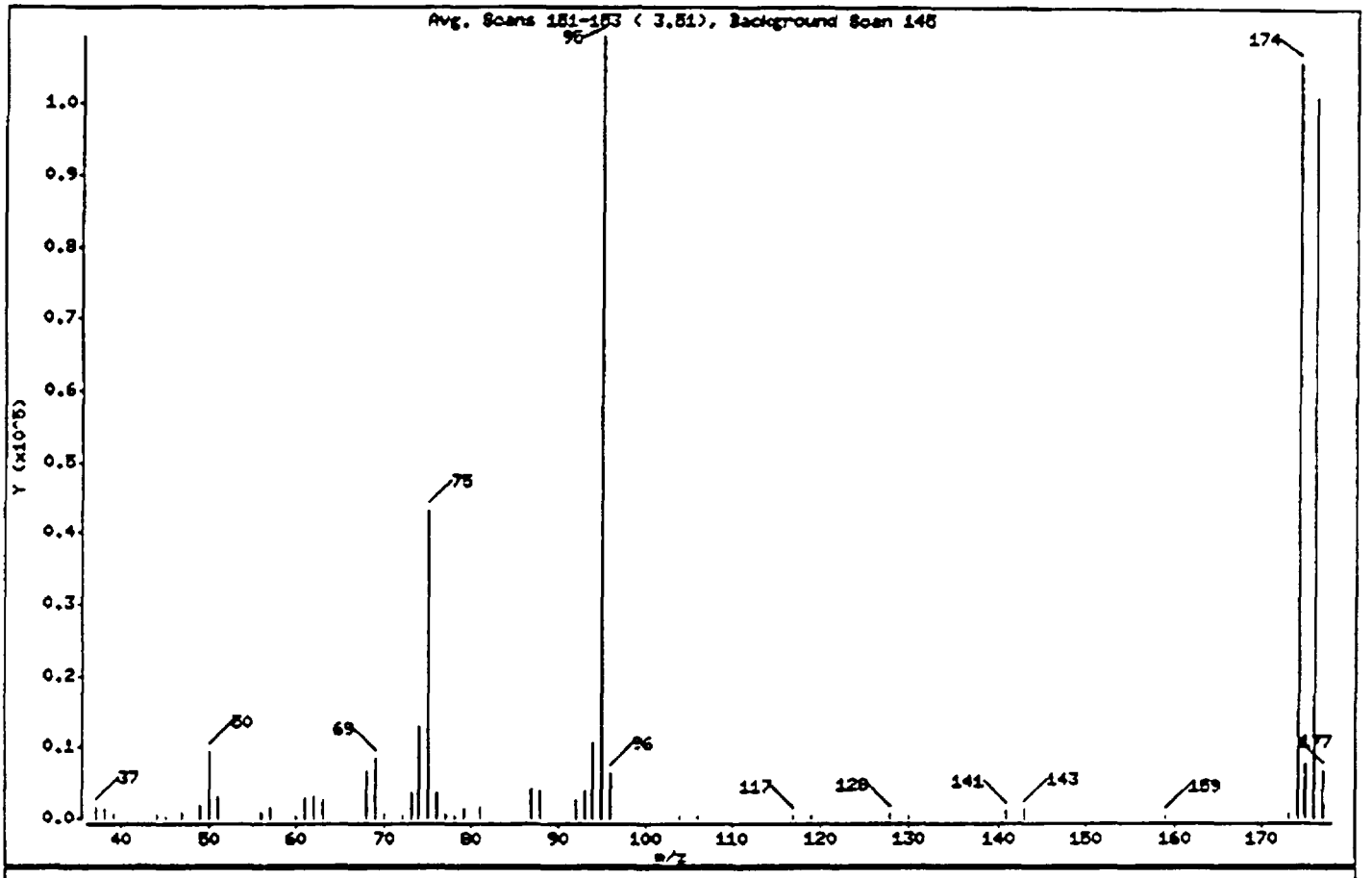
Sample Info: 50NG INJECTION OF BFB

Operator: 2907

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	8.49
75	30.00 - 66.00% of mass 95	39.43
96	5.00 - 9.00% of mass 95	5.81
173	Less than 2.00% of mass 174	0.36 (0.38)
174	50.00 - 120.00% of mass 95	96.84
175	4.00 - 9.00% of mass 174	6.88 (7.11)
176	93.00 - 101.00% of mass 174	92.41 (95.42)
177	5.00 - 9.00% of mass 176	5.89 (6.37)

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\H01115A.b\BFB8571.D

Date : 15-NOV-2000 17:55

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: BFB8571.D
Spectrum: Avg. Scans 151-153 (3.51), Background Scan 145
Location of Maximum: 95.00
Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1537	62.00	2988	81.00	1513	130.00	279
38.00	1285	63.00	2606	87.00	3996	141.00	924
39.00	540	68.00	6596	88.00	3715	143.00	1246
44.00	424	69.00	8305	92.00	2431	159.00	171
45.00	167	70.00	444	93.00	3904	173.00	399
47.00	758	72.00	364	94.00	10479	174.00	105984
49.00	1775	73.00	3489	95.00	109440	175.00	7534
50.00	9297	74.00	12931	96.00	6355	176.00	101128
51.00	2925	75.00	43152	104.00	216	177.00	6442
56.00	820	76.00	3653	106.00	174		
57.00	1540	77.00	541	117.00	314		
60.00	225	78.00	170	119.00	208		
61.00	2822	79.00	1253	128.00	408		

Data File: \\qoanoh04\dd\ohem\HSV\a3ux8a.i\H01115A.b\BFB8571.D

Page 1

Date : 15-NOV-2000 17:55

Client ID: 50NG BFB

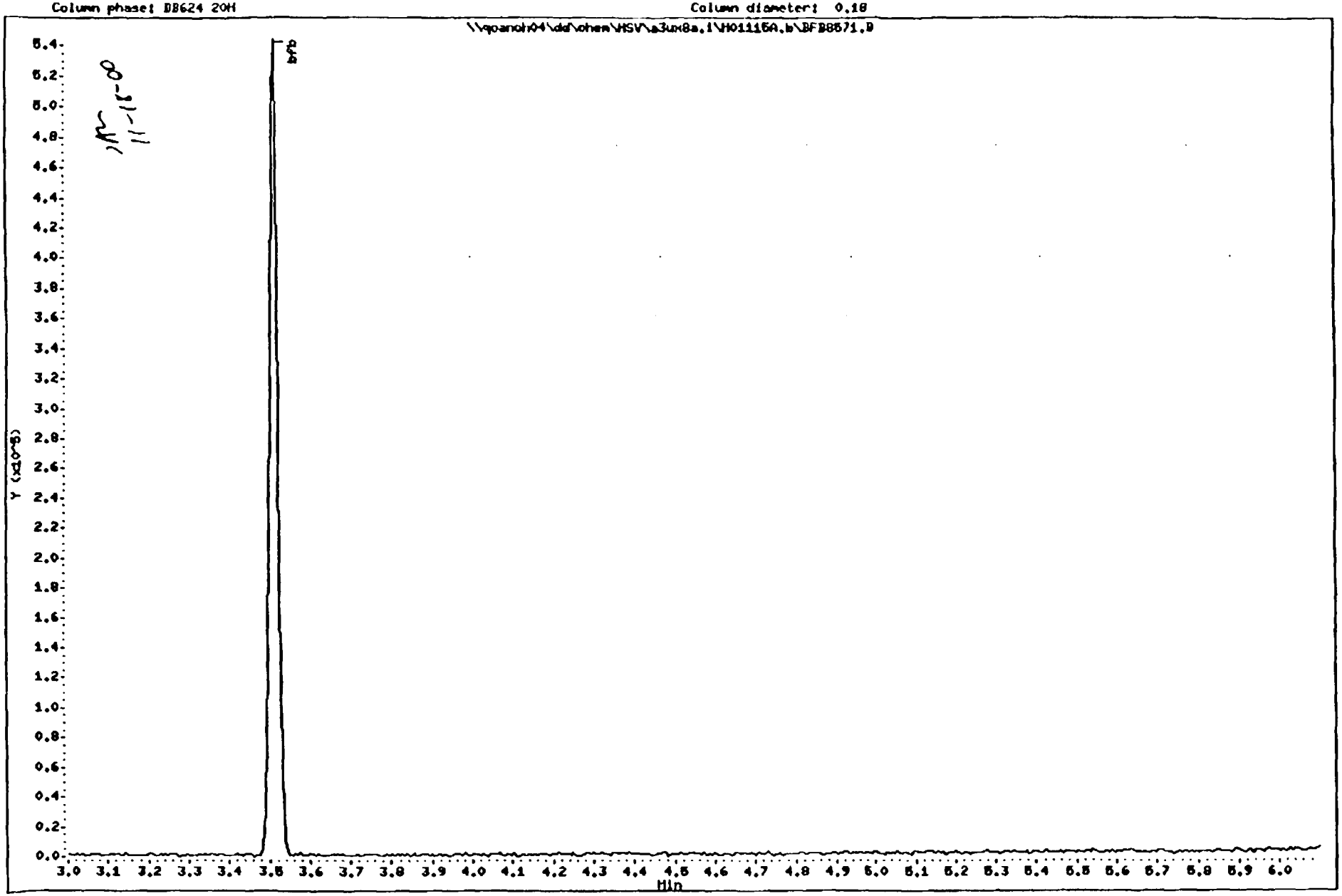
Instrument: a3ux8a.i

Sample Info: 50NG INJECTION OF BFB

Operator: 2807

Column phase: DB624 20H

Column diameter: 0.18



11-18-00

284

STL North Canton

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K170000 207
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 11/14/00
Work Order: DP2XV1AA Date Extracted:11/16/00
Dilution factor: 1 Date Analyzed: 11/16/00
Moisture %:NA

QC Batch: 0322207

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	10	U
67-64-1	Acetone	3.0	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:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K170000 207

Method: OCLP OLM03.1

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

Sample WT/Vol: 5 / g Date Received: 11/14/00

Work Order: DP2XV1AA Date Extracted:11/16/00

Dilution factor: 1 Date Analyzed: 11/16/00

Moisture %:NA

QC Batch: 0322207

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:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K170000 207
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 11/14/00
Work Order: DP2XV1AA Date Extracted:11/16/00
Dilution factor: 1 Date Analyzed: 11/16/00
Moisture %:NA

QC Batch: 0322207

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/a31503.i/X01116A.b/VOX5505.d

Date : 16-NOV-2000 13:18

Client ID: VBLK DP2XV1AA

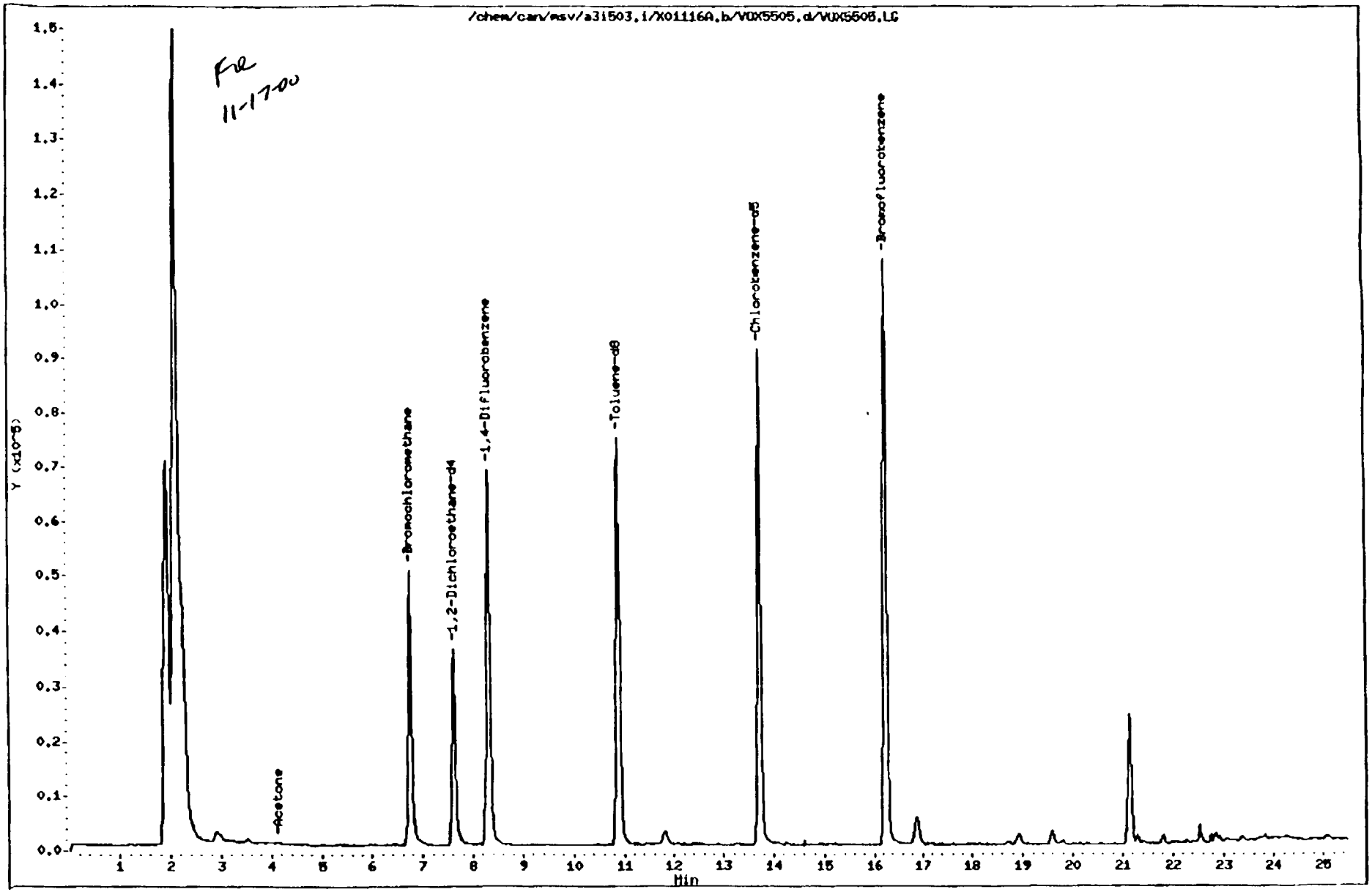
Sample Info: VBLK,,5G/5HL

Column phase: RTX502.2

Instrument: a31503.i

Operator: 1904

Column diameter: 0.53



FR 11-17-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5505.d
Lab Smp Id: VBLK Client Smp ID: VBLK
Inj Date : 16-NOV-2000 13:18
Operator : 1904 Inst ID: a3i503.i
Smp Info : VBLK,,5G/5ML
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:40 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.739	6.725	(1.000)	28163	250.000	
* 2 1,4-Difluorobenzene	114	8.298	8.284	(1.000)	117964	250.000	
* 3 Chlorobenzene-d5	117	13.707	13.692	(1.000)	111286	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.612	7.597	(1.129)	70189	258.209	51.642
$ 5 Toluene-d8	98	10.874	10.859	(0.793)	113829	249.135	49.827
$ 6 Bromofluorobenzene	95	16.253	16.253	(1.186)	97031	248.965	49.793
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	Compound Not Detected.					
14 Acetone	43	4.135	4.106	(0.614)	1121	15.0806	3.016(a)
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (UG/KG)
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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.					

QC Flag Legend

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

Data File: /chem/oan/msv/a31503.i/X01116A.b/VOX5505.d

Date : 16-NOV-2000 13:18

Client ID: VBLK

Instrument: a31503.i

Sample Info: VBLK,,5G/5ML

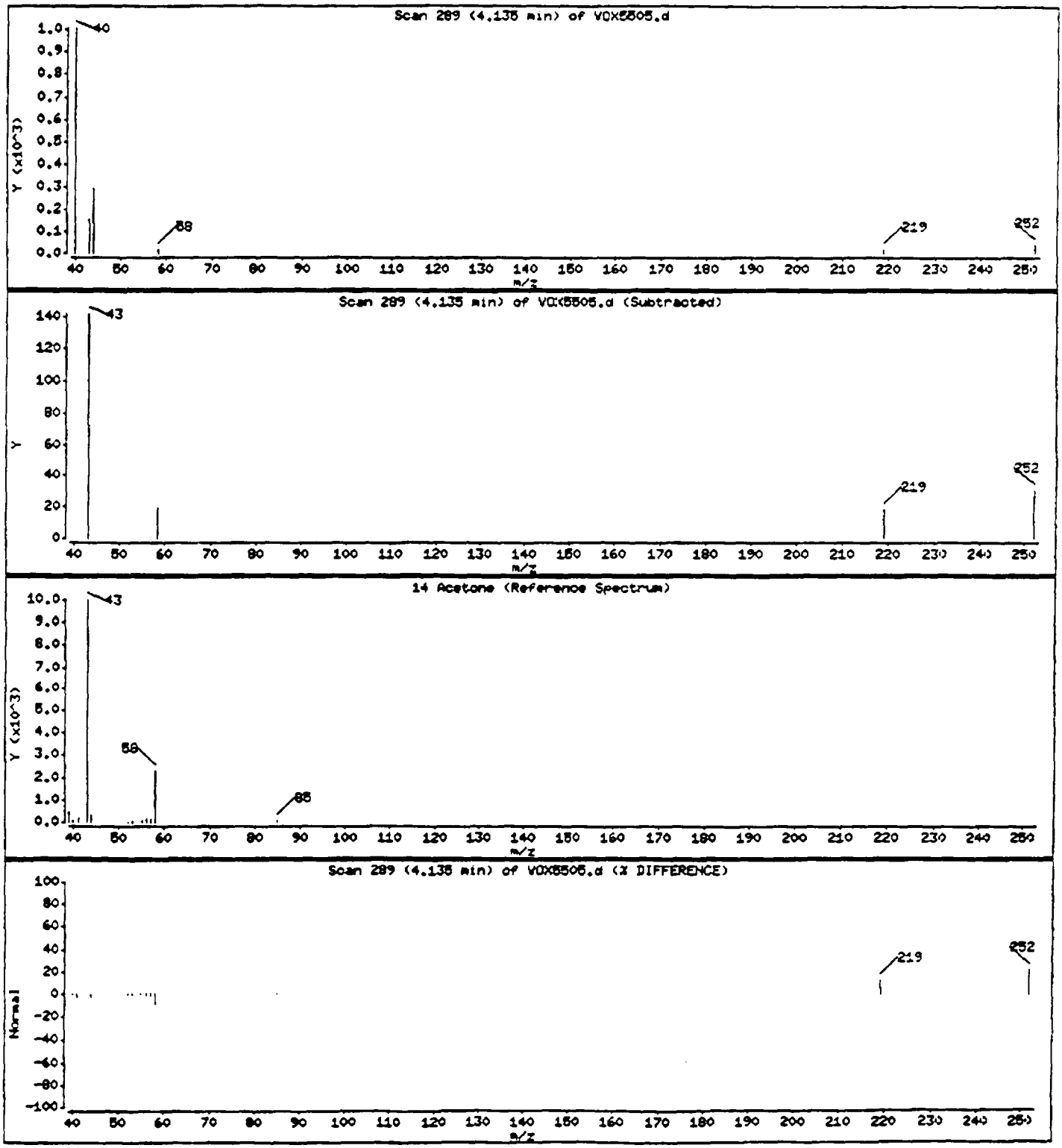
Operator: 1904

Column phase: RTX502.2

Column diameter: 0.53

14 Acetone

Concentration: 3.016 UG/KG



RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) WATER Lab Sample ID:A0K080000 543
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 11/04/00
Work Order: DPKC71AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00
Moisture %:NA

QC Batch: 0313543

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	10	U
67-64-1	Acetone	6.1	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:0K04153

Matrix: (soil/water) WATER Lab Sample ID:A0K080000 543
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 11/04/00
Work Order: DPKC71AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00
Moisture %:NA

QC Batch: 0313543

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:0K04153

Matrix: (soil/water) WATER Lab Sample ID:A0K080000 543
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / mL Date Received: 11/04/00
Work Order: DPKC71AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00
Moisture %:NA

QC Batch: 0313543

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: \\qcanoh04\dd\chem\MSV\a3ux8a.i\H01108A.b\UX81528.D

Date : 08-NOV-2000 20:21

Client ID: DPKC71HA

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

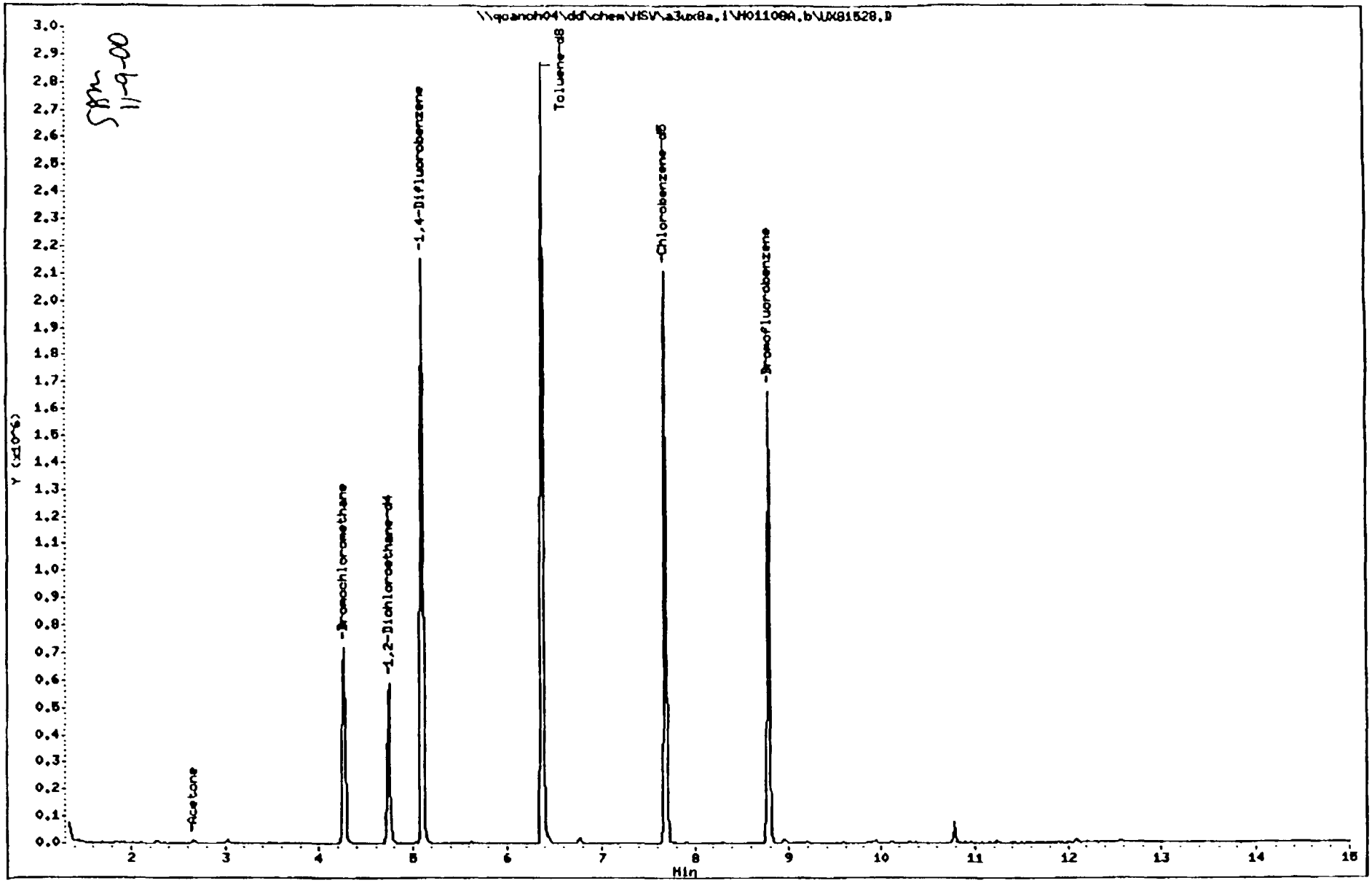
Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18

295



STL North Canton

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81528.D
Lab Smp Id: VBLK
Inj Date : 08-NOV-2000 20:21
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : VBLK,5ML/5ML
Misc Info : M01108A,8240LCLPUX8,,2807,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Bromochloromethane	128	4.269	4.269	(1.000)	295900	250.000	
* 2 1,4-Difluorobenzene	114	5.097	5.097	(1.000)	2056079	250.000	
* 3 Chlorobenzene-d5	117	7.689	7.689	(1.000)	1665753	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.742	4.730	(1.111)	459236	261.648	52.330
$ 5 Toluene-d8	98	6.375	6.375	(0.829)	2257938	253.193	50.638
$ 6 Bromofluorobenzene	95	8.789	8.789	(1.143)	674604	240.285	48.057
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	Compound Not Detected.					
14 Acetone	43	2.660	2.660	(0.623)	10997	30.4286	6.086
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.					
23 cis-1,2-dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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.					
90 Cyclohexane	56	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.					
91 Isopropylbenzene	105	Compound Not Detected.					
69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\H01108A.b\UX81528.D

Date : 08-NOV-2000 20:21

Client ID:

Instrument: a3ux8a.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

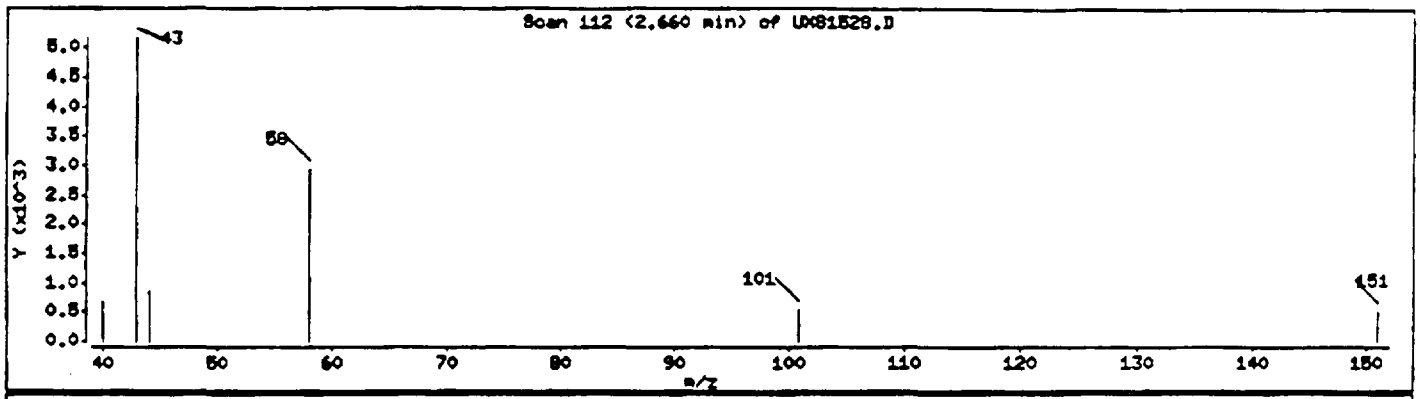
Operator: 2807

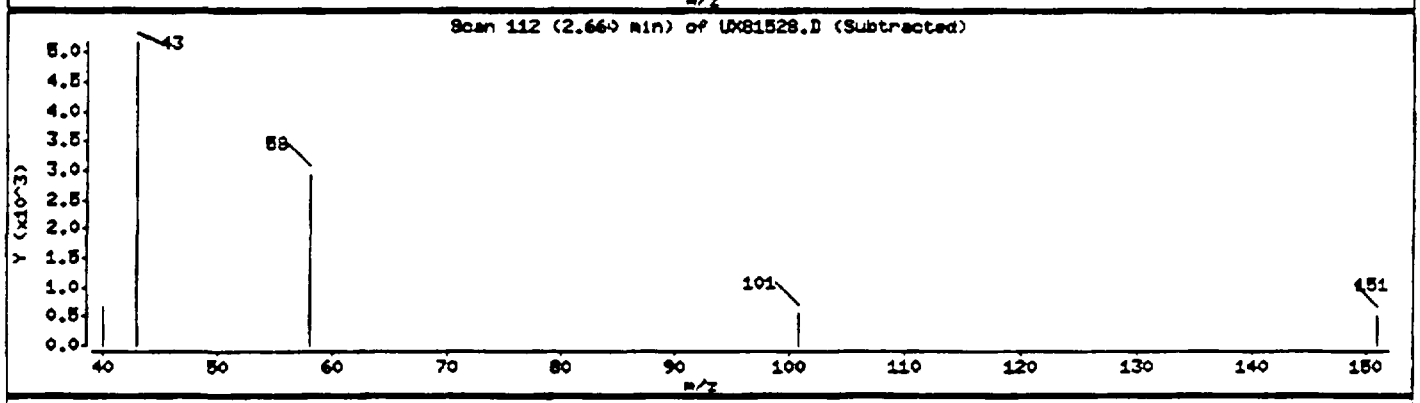
Column phase: DB624 20m

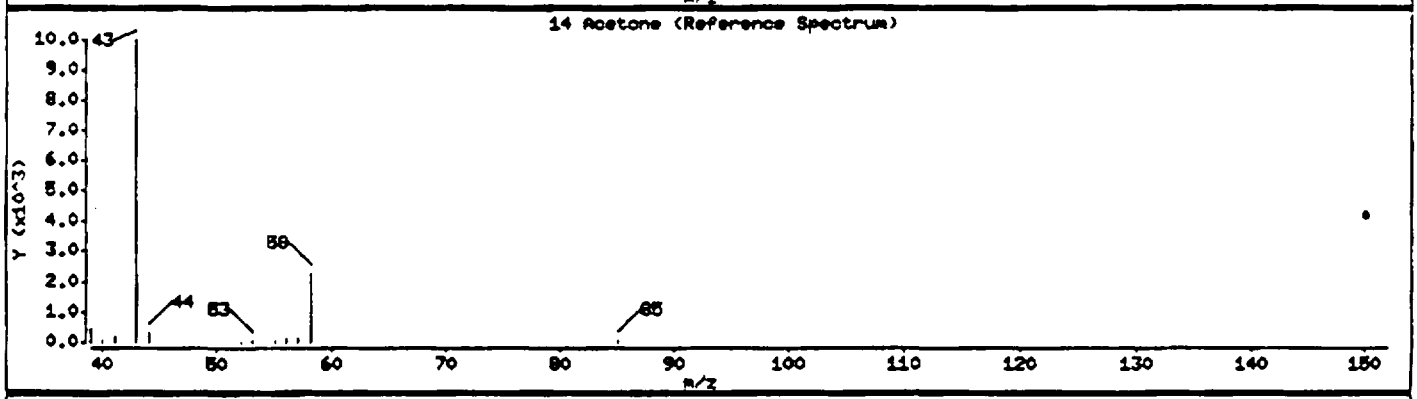
Column diameter: 0.18

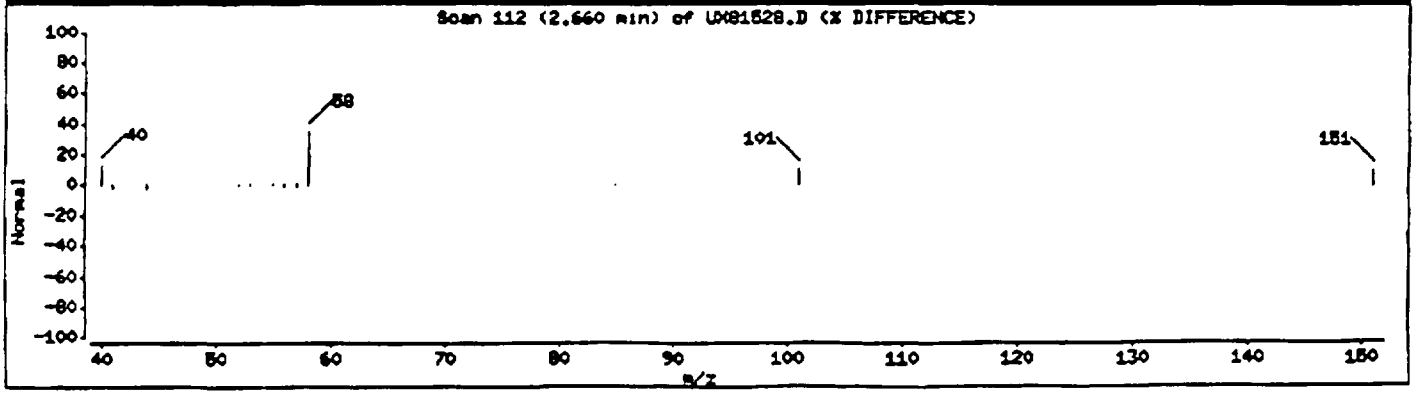
14 Acetone

Concentration: 6.086 ug/L









RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K080000 542
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPKC61AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: INTRA-LAB BLANK
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	1600	
71-43-2	Benzene	1200	U
75-27-4	Bromodichloromethane	1200	U
75-25-2	Bromoform	1200	U
74-83-9	Bromomethane	1200	U
78-93-3	2-Butanone	1200	U
75-15-0	Carbon disulfide	1200	U
56-23-5	Carbon tetrachloride	1200	U
108-90-7	Chlorobenzene	1200	U
124-48-1	Dibromochloromethane	1200	U
75-00-3	Chloroethane	1200	U
67-66-3	Chloroform	1200	U
74-87-3	Chloromethane	1200	U
75-34-3	1,1-Dichloroethane	1200	U
107-06-2	1,2-Dichloroethane	1200	U
75-35-4	1,1-Dichloroethene	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
100-41-4	Ethylbenzene	1200	U
591-78-6	2-Hexanone	1200	U
75-09-2	Methylene chloride	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
100-42-5	Styrene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
127-18-4	Tetrachloroethene	1200	U
108-88-3	Toluene	1200	U

FORM I

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K080000 542
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPKC61AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: INTRA-LAB BLANK
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-55-6	1,1,1-Trichloroethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
79-01-6	Trichloroethene	1200	U
75-01-4	Vinyl chloride	1200	U
1330-20-7	Xylenes (total)	1200	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K080000 542
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPKC61AA Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: INTRA-LAB BLANK
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81530.D

Date : 08-NOV-2000 21:07

Client ID: DPKCLEINA

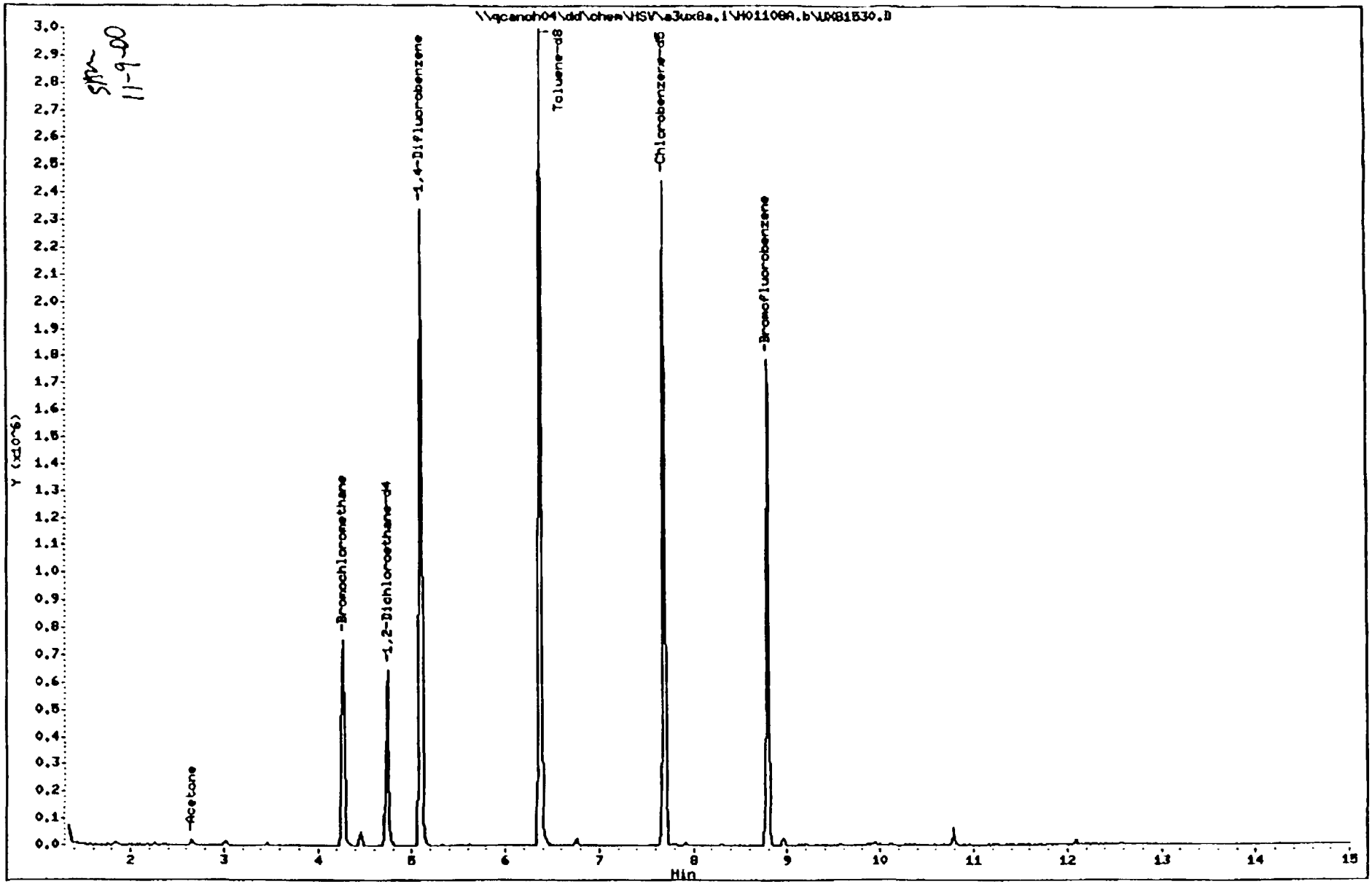
Sample Info: HLSVBLK,,2,100UL/5HL

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



STL North Canton

302

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81530.D
Lab Smp Id: MLSVBLK
Inj Date : 08-NOV-2000 21:07
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : MLSVBLK,,2,100UL/5ML
Misc Info : M01108A,8240LCLPUX8,,2807,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.266	4.269	(1.000)	318686	250.000	
* 2 1,4-Difluorobenzene	114	5.095	5.097	(1.000)	2263230	250.000	
* 3 Chlorobenzene-d5	117	7.686	7.689	(1.000)	1855864	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.740	4.730	(1.111)	490499	259.478	6487.0
$ 5 Toluene-d8	98	6.372	6.375	(0.829)	2455449	247.135	6178.4
$ 6 Bromofluorobenzene	95	8.786	8.789	(1.143)	767939	245.520	6137.7
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	Compound Not Detected.					
14 Acetone	43	2.657	2.660	(0.623)	25687	65.9939	1649.8
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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.					
	90 Cyclohexane	56	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.					
	91 Isopropylbenzene	105	Compound Not Detected.					
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81530.D

Date : 08-NOV-2000 21:07

Client ID:

Instrument: a3ux8a.i

Sample Info: MLSVBLK,,2,100UL/5ML

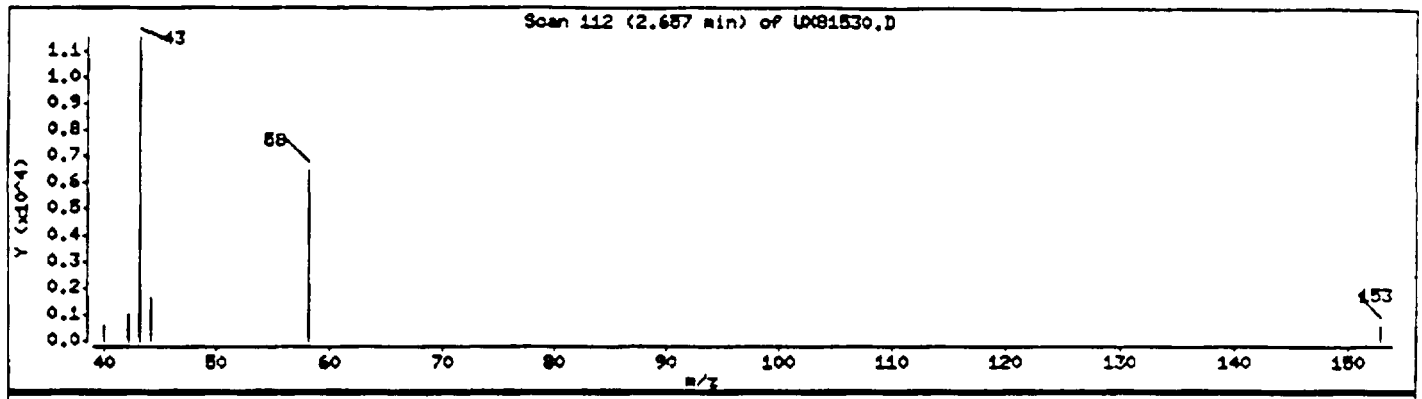
Operator: 2807

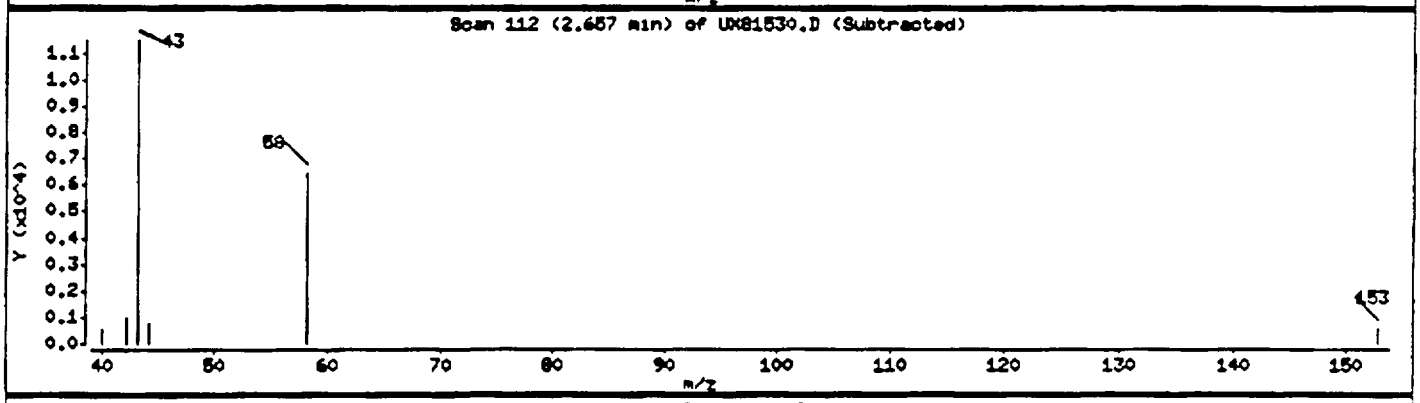
Column phase: DB624 20m

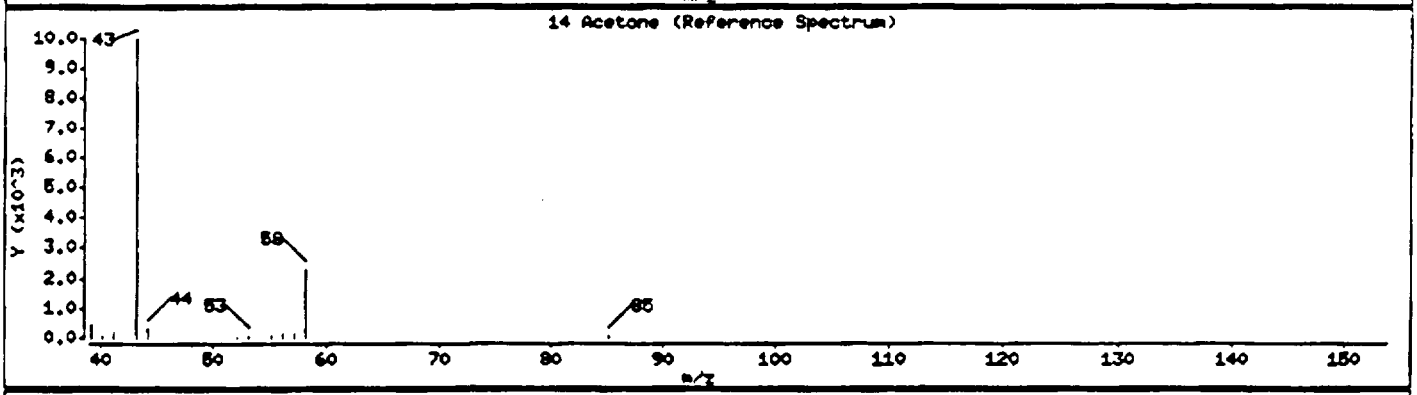
Column diameter: 0.18

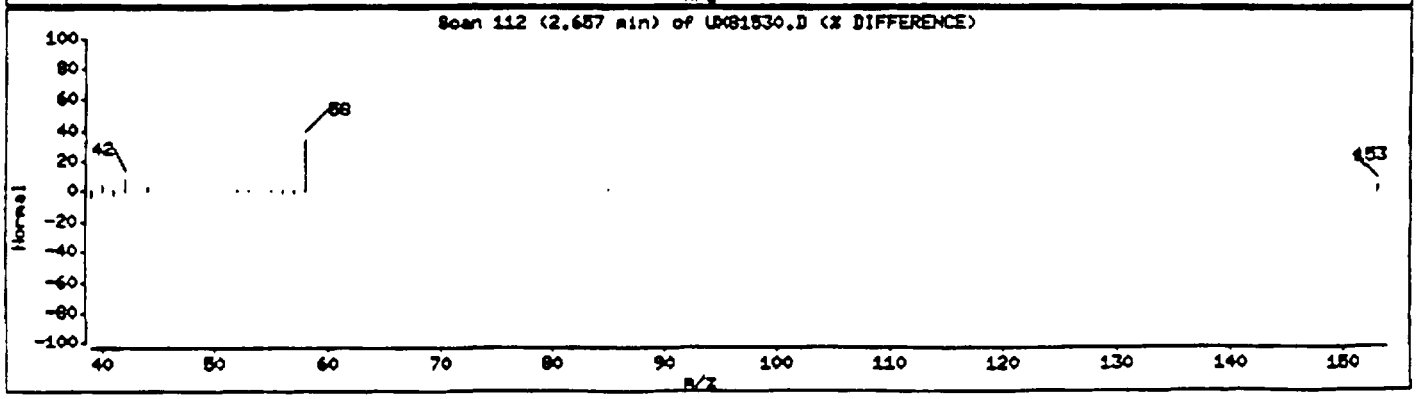
14 Acetone

Concentration: 1649.8 UG/KG









RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K170000 514
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DP5ET1AA Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: INTRA-LAB BLANK
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	1700	
71-43-2	Benzene	1200	U
75-27-4	Bromodichloromethane	1200	U
75-25-2	Bromoform	1200	U
74-83-9	Bromomethane	1200	U
78-93-3	2-Butanone	1200	U
75-15-0	Carbon disulfide	1200	U
56-23-5	Carbon tetrachloride	1200	U
108-90-7	Chlorobenzene	1200	U
124-48-1	Dibromochloromethane	1200	U
75-00-3	Chloroethane	1200	U
67-66-3	Chloroform	1200	U
74-87-3	Chloromethane	1200	U
75-34-3	1,1-Dichloroethane	1200	U
107-06-2	1,2-Dichloroethane	1200	U
75-35-4	1,1-Dichloroethene	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
100-41-4	Ethylbenzene	1200	U
591-78-6	2-Hexanone	1200	U
75-09-2	Methylene chloride	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
100-42-5	Styrene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
127-18-4	Tetrachloroethene	1200	U
108-88-3	Toluene	1200	U

FORM I

RMT
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K170000 514
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DP5ET1AA Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: INTRA-LAB BLANK
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-55-6	1,1,1-Trichloroethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
79-01-6	Trichloroethene	1200	U
75-01-4	Vinyl chloride	1200	U
1330-20-7	Xylenes (total)	1200	U

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SOLID Lab Sample ID:A0K170000 514
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DP5ET1AA Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: INTRA-LAB BLANK
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

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

FORM I - TIC

Data File: \\qoanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81738.D

Date : 15-NOV-2000 21:20

Client ID: DP5ET1AA

Sample Info: HLSVBLK,,2,100UL/5HL

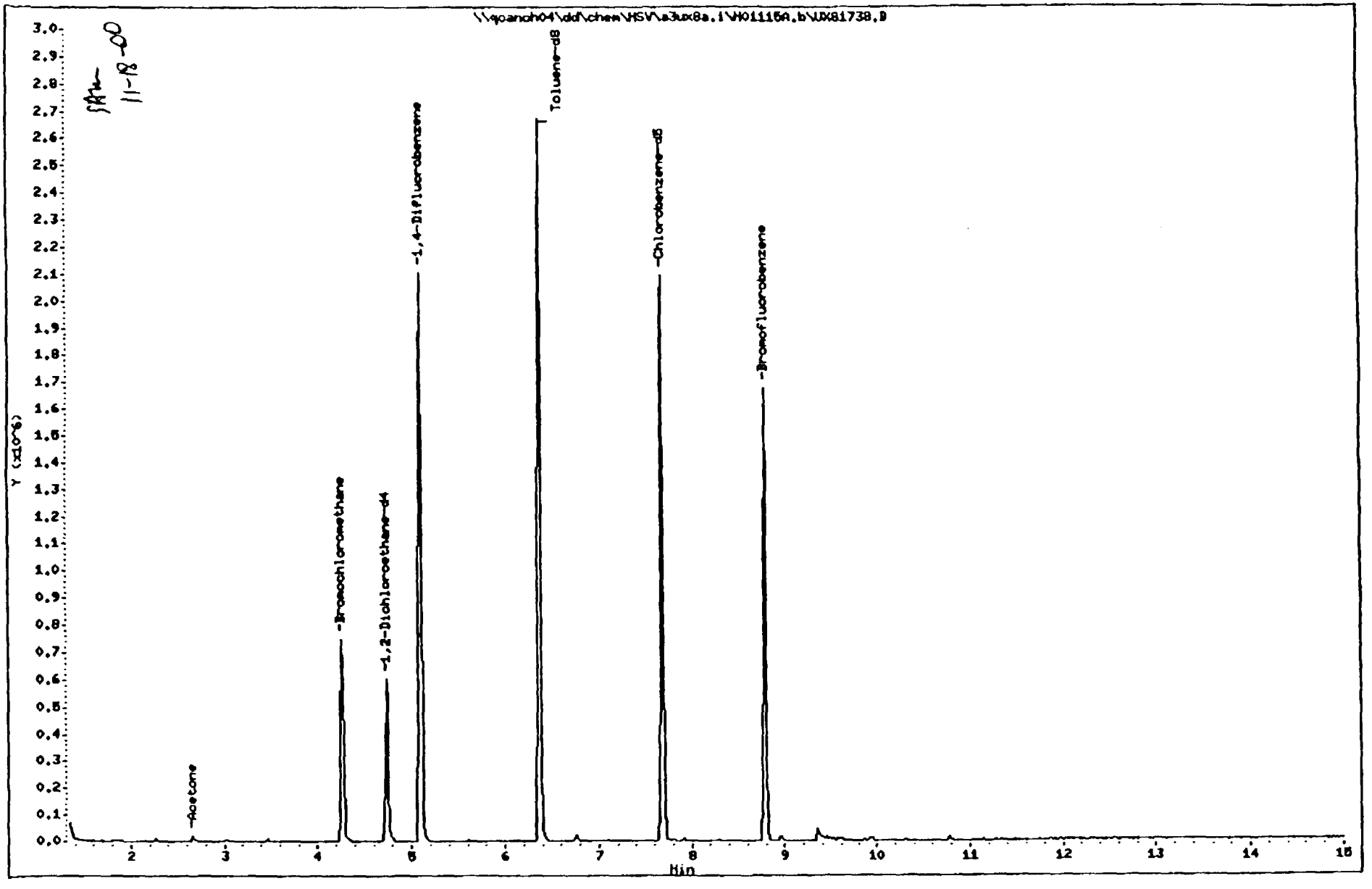
Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18

Page 6



SAM 11-18-00

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81738.D
Lab Smp Id: MLSVBLK
Inj Date : 15-NOV-2000 21:20
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : MLSVBLK,,2,100UL/5ML
Misc Info : M01115A,8240LCLPUX8,,2807,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 15-Nov-2000 20:27 macenczaks Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.257	4.266	(1.000)	314858	250.000	
* 2 1,4-Difluorobenzene	114	5.097	5.094	(1.000)	2123945	250.000	
* 3 Chlorobenzene-d5	117	7.688	7.685	(1.000)	1727101	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.730	4.739	(1.111)	449301	252.976	6324.4
$ 5 Toluene-d8	98	6.375	6.372	(0.829)	2197073	243.283	6082.1
$ 6 Bromofluorobenzene	95	8.789	8.786	(1.143)	687508	232.192	5804.8
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	Compound Not Detected.					
14 Acetone	43	2.659	2.657	(0.625)	24728	66.7288	1668.2
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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 Tetrachloroethane	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.					
	62 Methyl tert-butyl ether	73	Compound Not Detected.					
	63 1,2-Dibromoethane	107	Compound Not Detected.					
	51 Freon-113	151	Compound Not Detected.					
	90 Cyclohexane	56	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.					
	91 Isopropylbenzene	105	Compound Not Detected.					
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81738.D

Date : 15-NOV-2000 21:20

Client ID:

Instrument: a3ux8a.i

Sample Info: MLSVBLK,,2,100UL/5ML

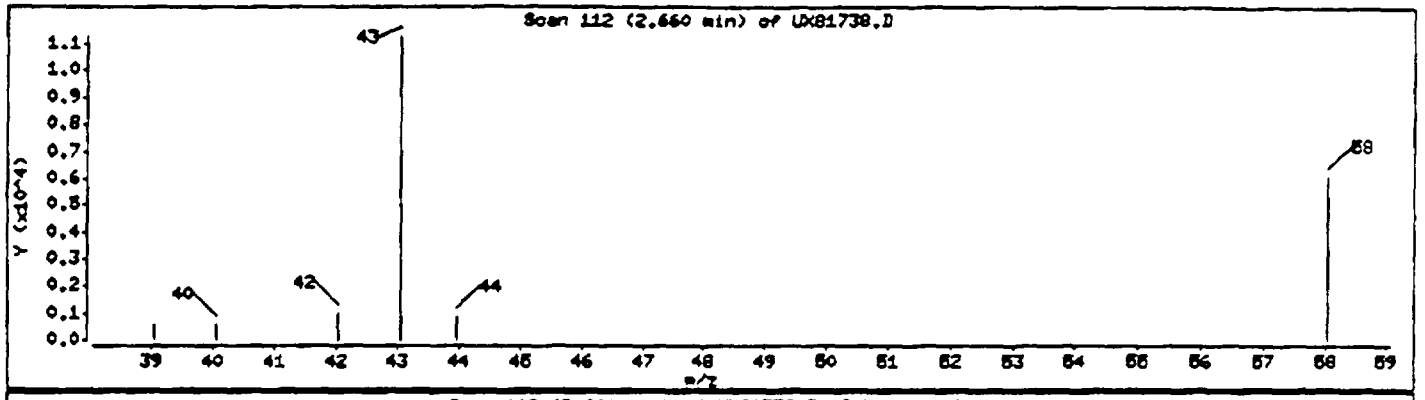
Operator: 2807

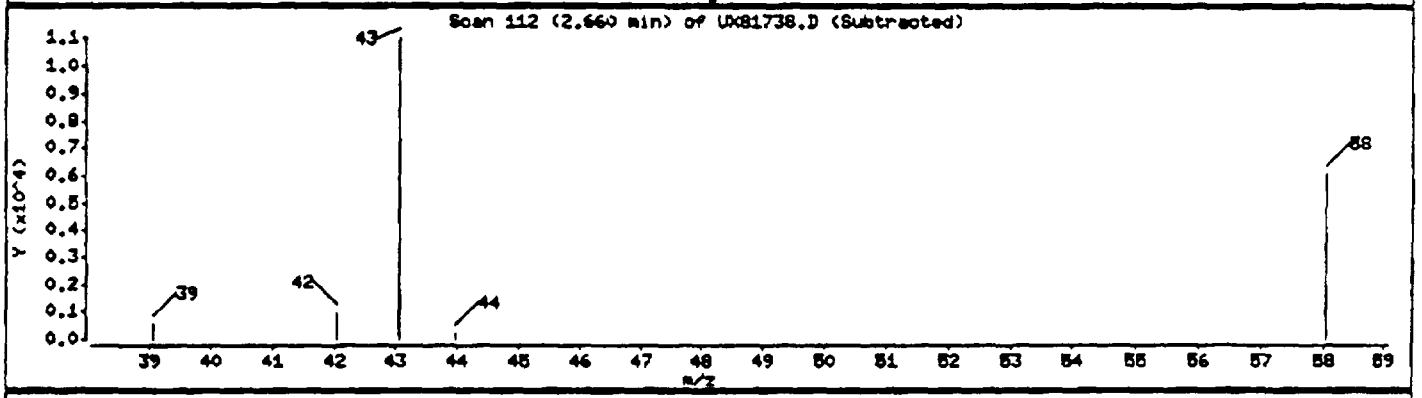
Column phase: DB624 20m

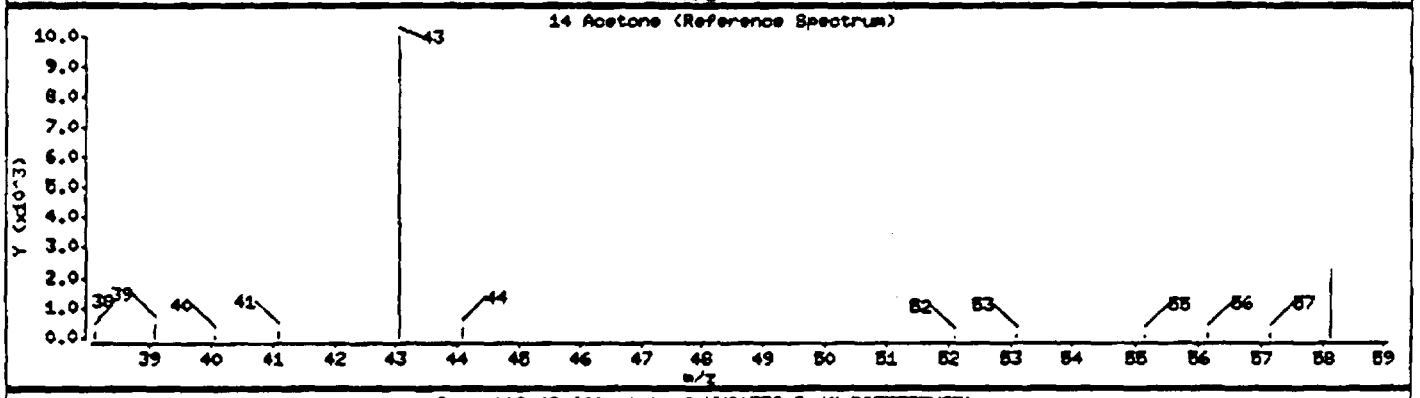
Column diameter: 0.18

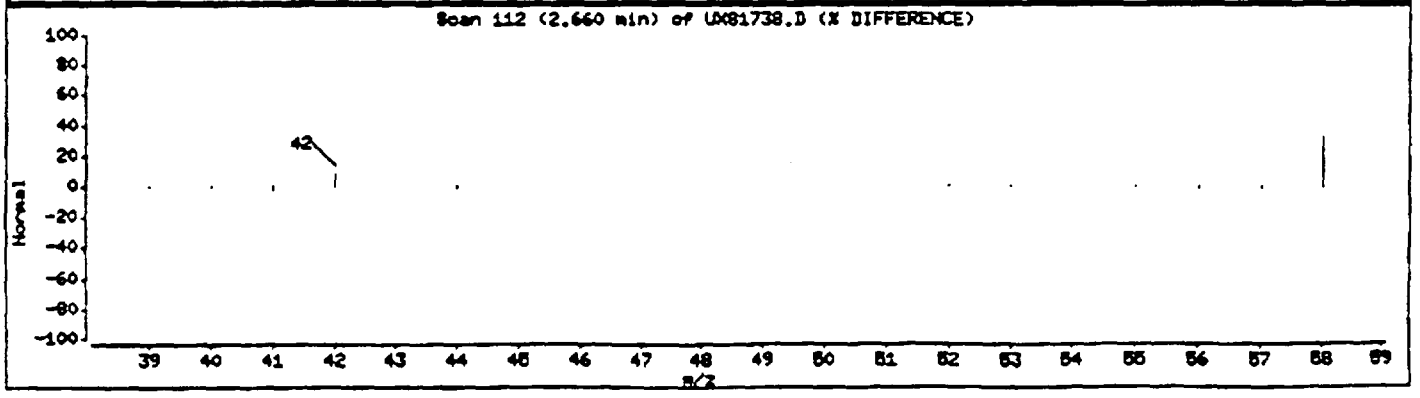
14 Acetone

Concentration: 1668.2 UG/KG









RMT
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH31AJ Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-80
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-43-2	Benzene	8000	
108-90-7	Chlorobenzene	7700	
75-35-4	1,1-Dichloroethene	6800	
108-88-3	Toluene	8000	
79-01-6	Trichloroethene	7900	

FORM I

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81533.D

Page 9

Date : 08-NOV-2000 22:16

Client ID:

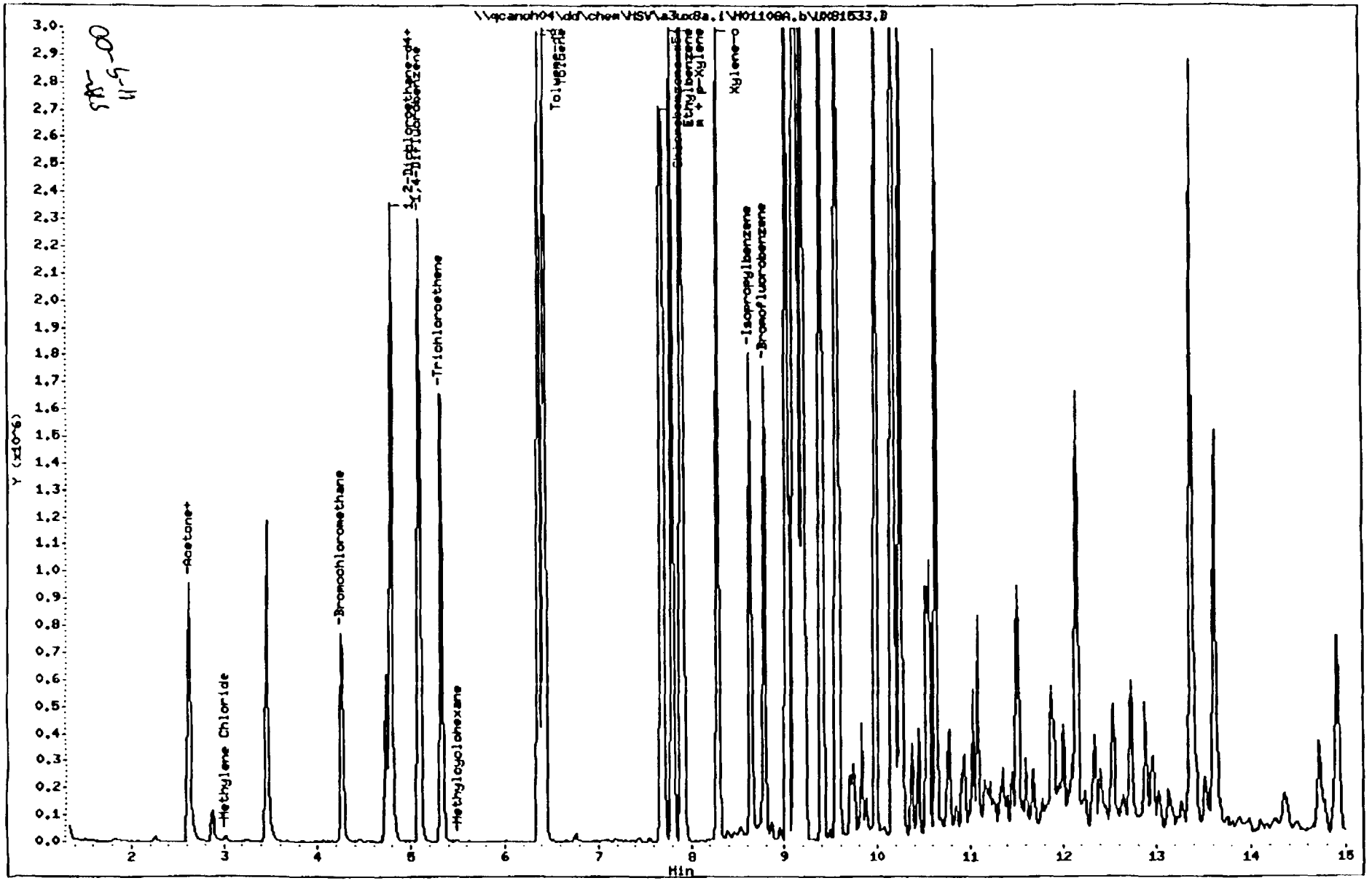
Instrument: a3ux8a.i

Sample Info: DPDH3 ,,2,100UL/5ML

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



STL North Canton

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81533.D
Lab Smp Id: DPDH3
Inj Date : 08-NOV-2000 22:16
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPDH3 ,,2,100UL/5ML
Misc Info : M01108A,8240LCLPUX8,,2807,3,,MS
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.257	4.269	(1.000)	332747	250.000	
* 2 1,4-Difluorobenzene	114	5.097	5.097	(1.000)	2295472	250.000	
* 3 Chlorobenzene-d5	117	7.689	7.689	(1.000)	1798363	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.730	4.730	(1.111)	484143	245.293	6132.3
$ 5 Toluene-d8	98	6.375	6.375	(0.829)	2420534	251.411	6285.3
$ 6 Bromofluorobenzene	95	8.789	8.789	(1.143)	722860	238.487	5962.2
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	3.015	3.026	(0.708)	14404	5.73390	143.35
14 Acetone	43	2.660	2.660	(0.625)	26287	64.6815	1617.0
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	2.624	2.636	(0.616)	554606	214.486	5362.1
21 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	5.334	5.334	(1.046)	758282	247.283	6182.1
	40 Dibromochloromethane	129	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	28 Benzene	78	4.790	4.790	(0.940)	2574223	252.857	6321.4
	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	6.434	6.434	(0.837)	2839687	250.257	6256.4
	41 Chlorobenzene	112	7.712	7.712	(1.003)	1762543	240.885	6022.1
	42 Ethylbenzene	106	7.807	7.807	(1.015)	1049116	255.558	6389.0
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.913	7.913	(1.029)	4009534	813.196	20330
	44 Xylene-o	106	8.292	8.292	(1.078)	1194080	264.647	6616.2
M	80 Xylenes (total)	106				5203614	1153.29	28832(A)
	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.					
	90 Cyclohexane	56	Compound Not Detected.					
	92 Methyl Acetate	43	Compound Not Detected.					
	93 Methylcyclohexane	83	5.499	5.499	(1.079)	3630	0.76184	19.046(a)
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Isopropylbenzene	105	8.635	8.635	(1.123)	1420407	121.344	3033.6
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

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

QC Flag Legend

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

RMT

MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/04/00
Work Order: DPDH31AK Date Extracted:11/08/00
Dilution factor: 1 Date Analyzed: 11/08/00

QC Batch: 0313542

Client Sample Id: SL-80
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-43-2	Benzene	7900	
108-90-7	Chlorobenzene	7700	
75-35-4	1,1-Dichloroethene	6900	
108-88-3	Toluene	8000	
79-01-6	Trichloroethene	7900	

FORM I

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01108A.b\UX81534.D

Page 9

Date : 08-NOV-2000 22:39

Client ID:

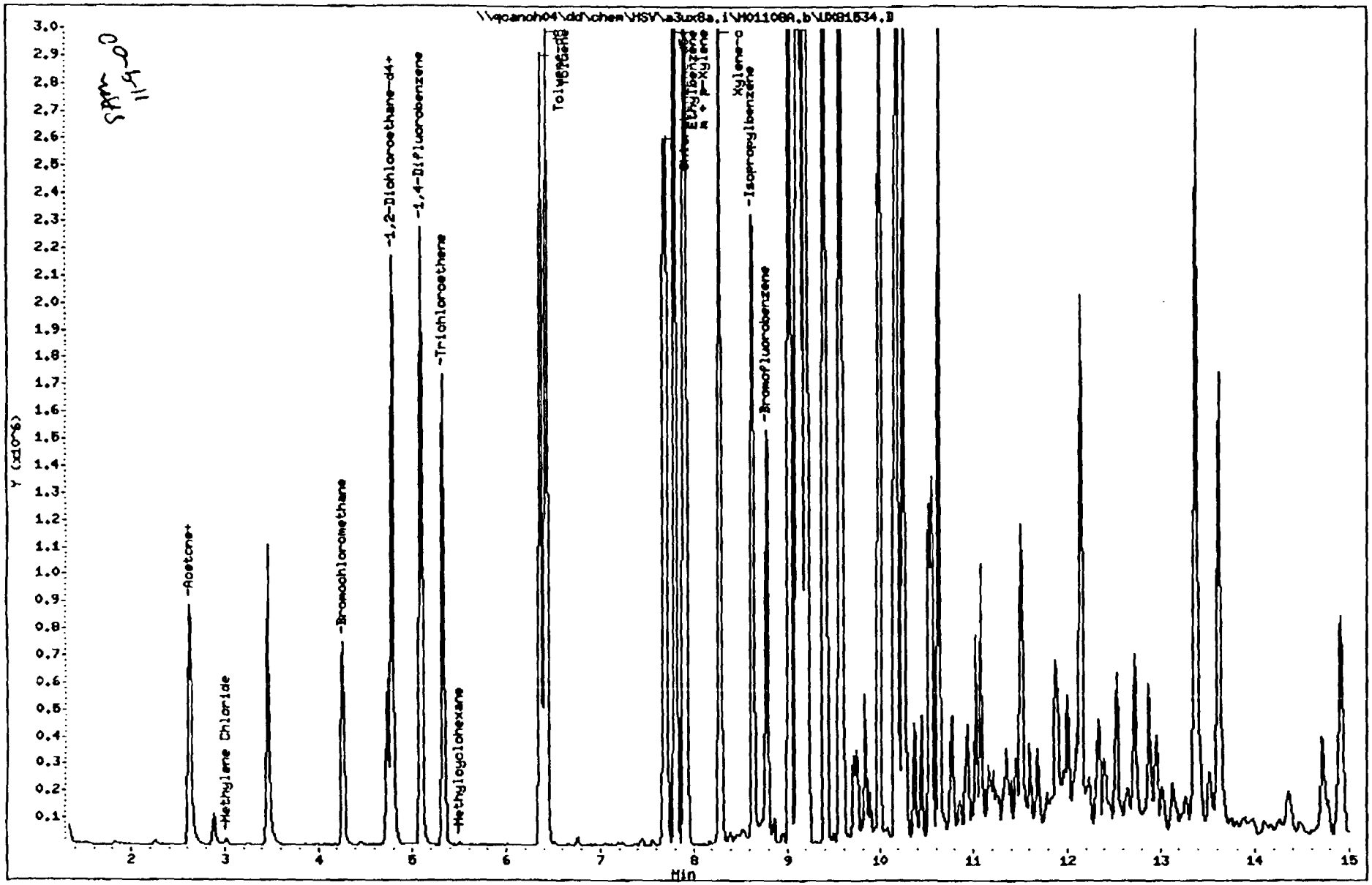
Instrument: a3ux8a.i

Sample Info: DPDH3 ,,2,100UL/5HL

Operator: 2807

Column phase: DB624 20m

Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\UX81534.D
Lab Smp Id: DPDH3
Inj Date : 08-NOV-2000 22:39
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPDH3 ,,2,100UL/5ML
Misc Info : M01108A,8240LCLPUX8,,2807,3,,MSD
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01108A.b\8240LCLPUX8.m
Meth Date : 08-Nov-2000 19:31 macenczaks Quant Type: ISTD
Cal Date : 08-NOV-2000 19:11 Cal File: UX81525.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.266	4.269	(1.000)	321683	250.000	
* 2 1,4-Difluorobenzene	114	5.094	5.097	(1.000)	2245122	250.000	
* 3 Chlorobenzene-d5	117	7.685	7.689	(1.000)	1743732	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.739	4.730	(1.111)	468305	245.430	6135.7
$ 5 Toluene-d8	98	6.372	6.375	(0.829)	2321887	248.720	6218.0
$ 6 Bromofluorobenzene	95	8.786	8.789	(1.143)	676177	230.075	5751.9
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	3.011	3.026	(0.706)	12368	5.09275	127.32
14 Acetone	43	2.656	2.660	(0.623)	24375	62.0397	1551.0
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	2.621	2.636	(0.614)	542486	217.015	5425.4
21 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	5.331	5.334	(1.046)	743041	247.747	6193.7
	40 Dibromochloromethane	129	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	28 Benzene	78	4.786	4.790	(0.940)	2486603	249.728	6243.2
	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	6.431	6.434	(0.837)	2750262	249.970	6249.2
	41 Chlorobenzene	112	7.709	7.712	(1.003)	1709657	240.978	6024.4
	42 Ethylbenzene	106	7.804	7.807	(1.015)	1672861	420.266	10507
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.910	7.913	(1.029)	6159924	1288.47	32212(A)
	44 Xylene-o	106	8.289	8.292	(1.079)	1877347	429.117	10728
M	80 Xylenes (total)	106				8037271	1837.13	45928(A)
	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.					
	90 Cyclohexane	56	Compound Not Detected.					
	92 Methyl Acetate	43	Compound Not Detected.					
	93 Methylcyclohexane	83	5.496	5.499	(1.079)	4852	1.04115	26.029(a)
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Isopropylbenzene	105	8.632	8.635	(1.123)	2037540	179.519	4488.0
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

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

QC Flag Legend

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

RMT
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 11/08/00
Work Order: DPJFJ1AU Date Extracted:11/16/00
Dilution factor: 1 Date Analyzed: 11/16/00
Moisture %:21

QC Batch: 0322207

Client Sample Id: SL-82-9.0'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-35-4	1,1-Dichloroethene	65	
79-01-6	Trichloroethene	60	
71-43-2	Benzene	66	
108-88-3	Toluene	66	
108-90-7	Chlorobenzene	63	

FORM I

Data File: /chem/can/msv/a3i503.i/X01116A.b/VOX5508.d

Date : 16-NOV-2000 15:16

Client ID: SL-82-9.0'

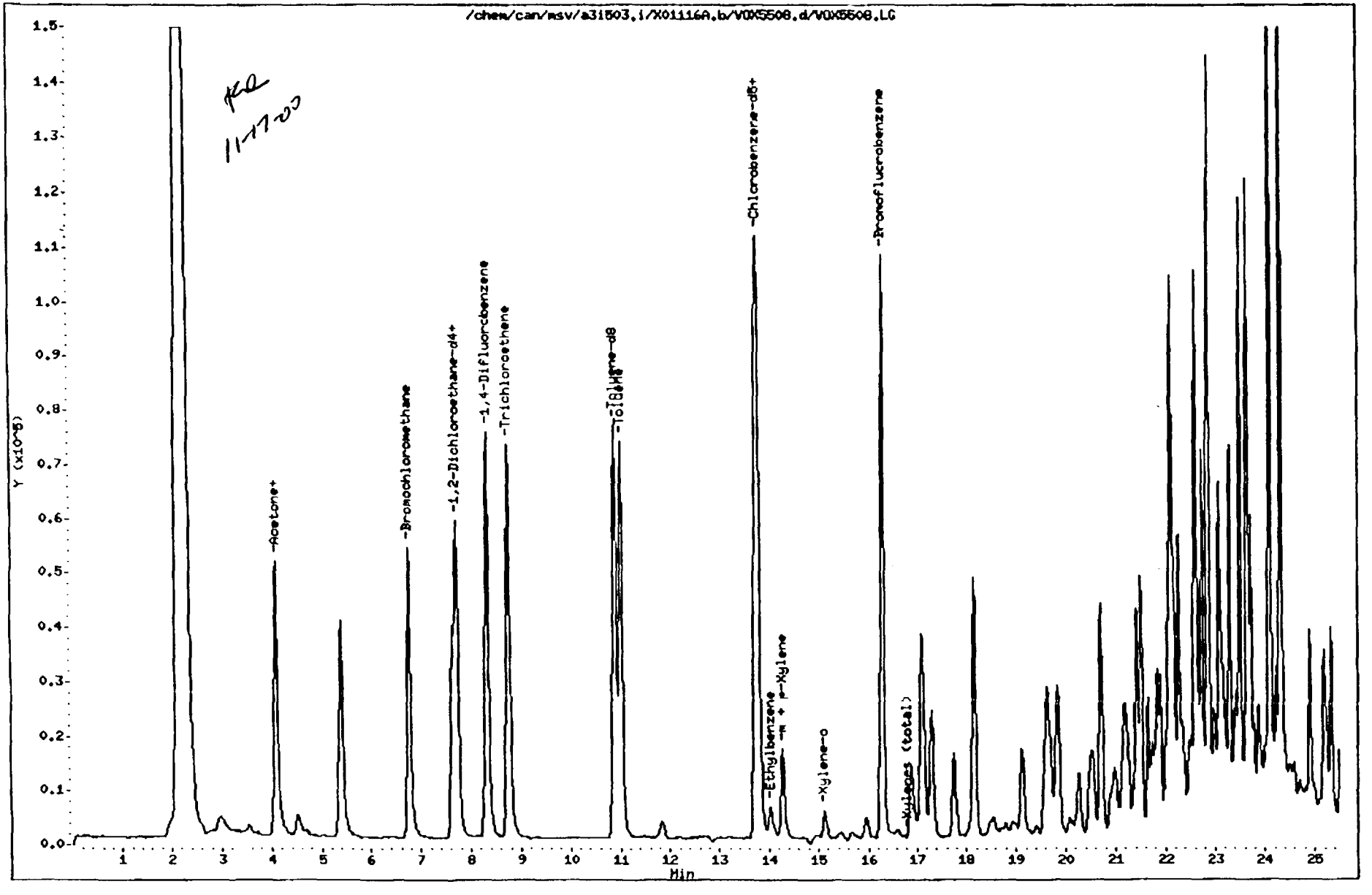
Sample Info: DPJFJ1AU,,5G/5ML

Column phase: RTX502.2

Instrument: a3i503.i

Operator: 1904

Column diameter: 0.53



SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5508.d
Lab Smp Id: DPJFJ1AU Client Smp ID: SL-82-9.0'
Inj Date : 16-NOV-2000 15:16
Operator : 1904 Inst ID: a3i503.i
Smp Info : DPJFJ1AU,,5G/5ML
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:40 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.753	6.725	(1.000)	30368	250.000	
* 2 1,4-Difluorobenzene	114	8.313	8.284	(1.000)	132048	250.000	
* 3 Chlorobenzene-d5	117	13.721	13.692	(1.000)	113907	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.626	7.597	(1.129)	73911	252.159	50.432
$ 5 Toluene-d8	98	10.874	10.859	(0.792)	122546	262.043	52.408
$ 6 Bromofluorobenzene	95	16.282	16.253	(1.187)	97367	244.078	48.816
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	Compound Not Detected.					
14 Acetone	43	4.149	4.106	(0.614)	3920	48.9060	9.781(a)
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	4.078	4.049	(0.604)	41391	257.476	51.495
21 1,1-Dichloroethane	63	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
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	8.742	8.713	(1.052)	55798	239.485	47.897
40 Dibromochloromethane	129	Compound Not Detected.					
38 1,1,2-Trichloroethane	97	Compound Not Detected.					
28 Benzene	78	7.712	7.683	(0.928)	111743	262.950	52.590
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	11.002	10.988	(0.802)	121879	262.613	52.522
41 Chlorobenzene	112	13.778	13.749	(1.004)	101560	250.320	50.064
42 Ethylbenzene	106	14.007	13.993	(1.021)	2846	15.4692	3.094(a)
45 Styrene	104	Compound Not Detected.					
43 m + p-Xylene	106	14.279	14.250	(1.041)	11107	47.6749	9.535(a)
44 Xylene-o	106	15.123	15.094	(1.102)	3058	13.0985	2.620(a)
M 80 Xylenes (total)	106				14165	60.6739	12.135

QC Flag Legend

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

RMT
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 5 / g Date Received: 11/08/00
Work Order: DPJFJ1AV Date Extracted:11/16/00
Dilution factor: 1 Date Analyzed: 11/16/00
Moisture %:21

QC Batch: 0322207

Client Sample Id: SL-82-9.0'

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-35-4	1,1-Dichloroethene	66	
79-01-6	Trichloroethene	61	
71-43-2	Benzene	68	
108-88-3	Toluene	67	
108-90-7	Chlorobenzene	62	

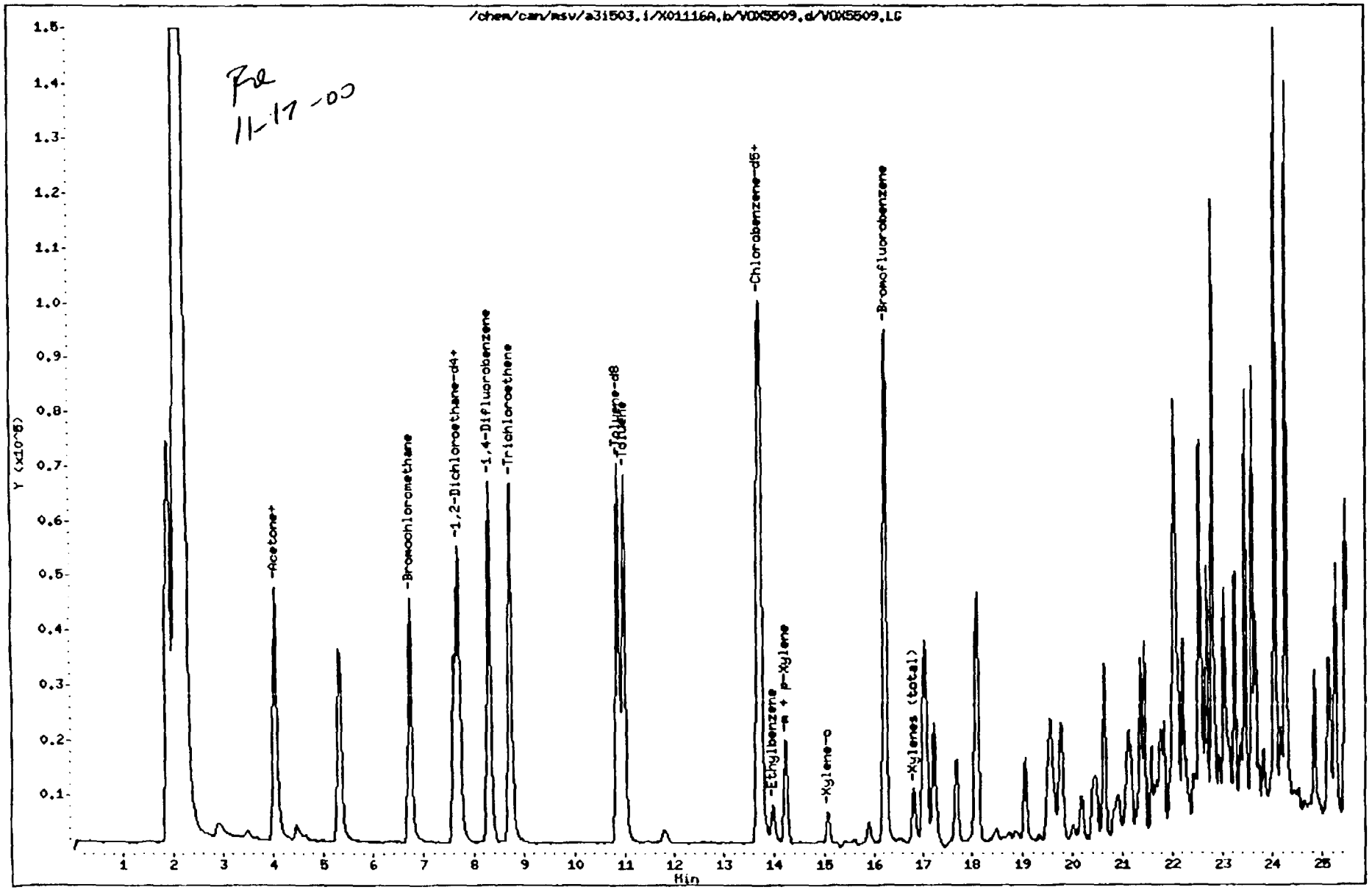
FORM I

Data File: /chem/can/msv/a3i503.i/X01116A.b/VOX5509.d
Date : 16-NOV-2000 15:47
Client ID: SL-82-9.0'
Sample Info: DPJFJ1AV,,5G/5HL

Column phase: RTX502.2

Instrument: a3i503.i

Operator: 1904
Column diameter: 0.53



Fe
11-17-00

SEVERN TRENT LABORATORIES, INC. - NORTH CANTON

VOLATILE REPORT SW-846 Method

Data file : /chem/can/msv/a3i503.i/X01116A.b/VOX5509.d
Lab Smp Id: DPJFJ1AV Client Smp ID: SL-82-9.0'
Inj Date : 16-NOV-2000 15:47
Operator : 1904 Inst ID: a3i503.i
Smp Info : DPJFJ1AV,,5G/5ML
Misc Info : INCOS50-3,X01116A,8240SCLP503,1904
Comment :
Method : /chem/can/msv/a3i503.i/X01116A.b/8240SCLP503.m
Meth Date : 17-Nov-2000 07:40 quayler Quant Type: ISTD
Cal Date : 16-NOV-2000 11:48 Cal File: VOX5502.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: clp3-90.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	6.710	6.725	(1.000)	27354	250.000	
* 2 1,4-Difluorobenzene	114	8.298	8.284	(1.000)	120264	250.000	
* 3 Chlorobenzene-d5	117	13.678	13.692	(1.000)	102334	250.000	
$ 4 1,2-Dichloroethane-d4	65	7.597	7.597	(1.132)	66234	250.866	50.173
$ 5 Toluene-d8	98	10.845	10.859	(0.793)	110392	262.749	52.550
$ 6 Bromofluorobenzene	95	16.225	16.253	(1.186)	86770	242.113	48.422
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	Compound Not Detected.					
14 Acetone	43	4.106	4.106	(0.612)	4306	59.6411	11.928
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	4.035	4.049	(0.601)	37673	260.169	52.034
21 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	8.713	8.713	(1.050)	50931	240.015	48.003
	40 Dibromochloromethane	129	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	28 Benzene	78	7.683	7.683	(0.926)	103783	268.148	53.630
	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	10.974	10.988	(0.802)	110218	264.344	52.869
	41 Chlorobenzene	112	13.735	13.749	(1.004)	89581	245.764	49.153
	42 Ethylbenzene	106	13.978	13.993	(1.022)	3363	20.3465	4.069(a)
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	14.222	14.250	(1.040)	12809	61.1982	12.240
	44 Xylene-o	106	15.066	15.094	(1.101)	3490	16.6395	3.328(a)
M	80 Xylenes (total)	106				16299	77.7099	15.542

QC Flag Legend

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

RMT
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF31AG Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: SL-83-9.0'
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-43-2	Benzene	6900	
108-90-7	Chlorobenzene	6700	
75-35-4	1,1-Dichloroethene	6400	
108-88-3	Toluene	6800	
79-01-6	Trichloroethene	6600	

FORM I

Data File: \\qcanoh04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81742.D

Date : 15-NOV-2000 22:52

Client ID:

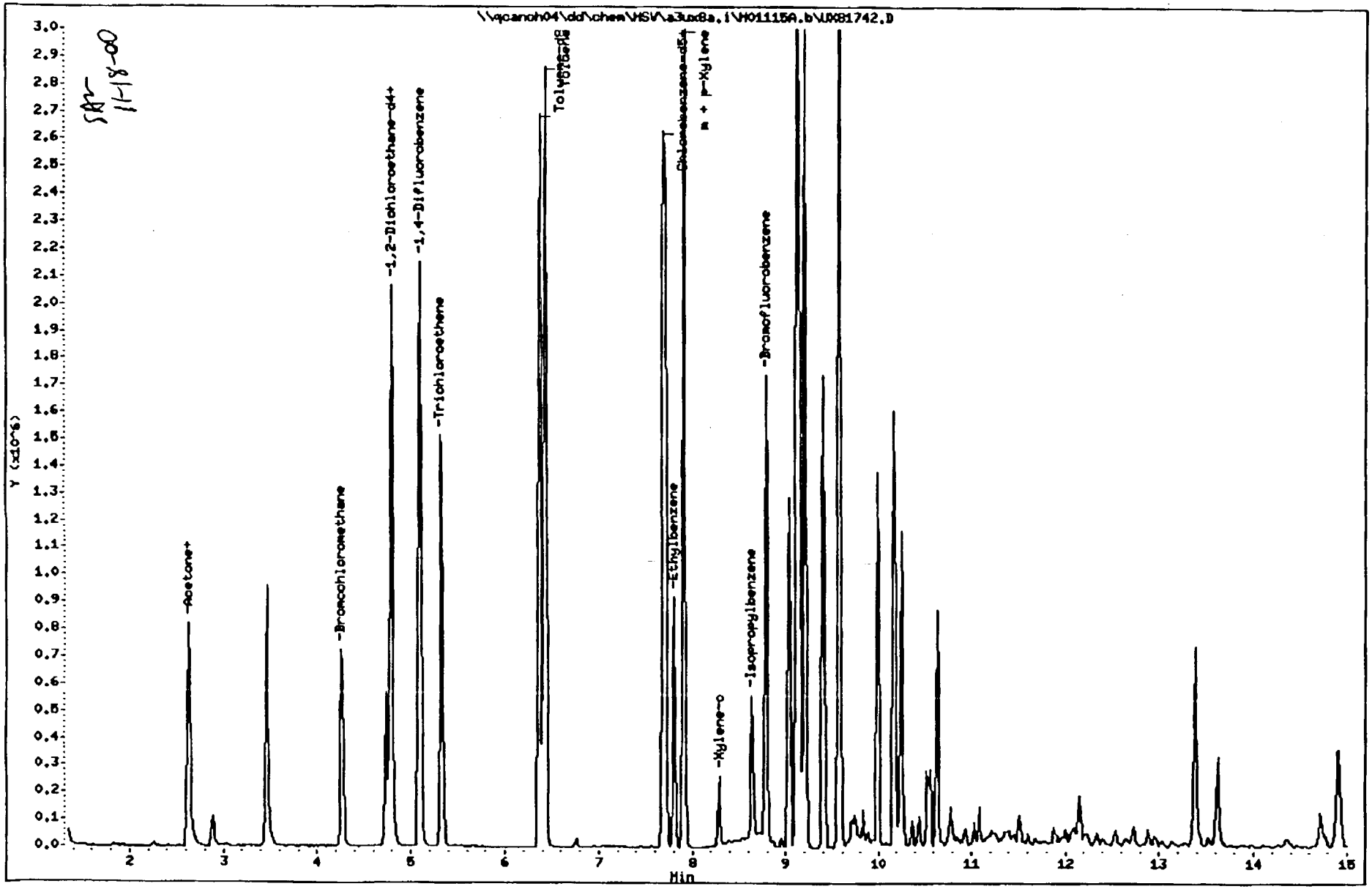
Sample Info: DPJF31AG,,2,100UL/5ML

Column phase: DB624 20m

Instrument: a3ux8a.i

Operator: 2807

Column diameter: 0.18



SAL 11-18-00

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81742.D
Lab Smp Id: DPJF31AG
Inj Date : 15-NOV-2000 22:52
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPJF31AG,,2,100UL/5ML
Misc Info : M01115A,8240LCLPUX8,,2807,3,,MS
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 17-Nov-2000 18:57 mccroryj Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.257	4.266	(1.000)	315303	250.000	
* 2 1,4-Difluorobenzene	114	5.097	5.094	(1.000)	2164052	250.000	
* 3 Chlorobenzene-d5	117	7.688	7.686	(1.000)	1746572	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.730	4.739	(1.111)	437245	245.840	6146.0
$ 5 Toluene-d8	98	6.375	6.372	(0.829)	2198674	240.746	6018.7
$ 6 Bromofluorobenzene	95	8.789	8.786	(1.143)	703013	234.782	5869.6
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	Compound Not Detected.					
14 Acetone	43	2.659	2.657	(0.625)	25134	67.7287	1693.2
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	2.624	2.633	(0.616)	482817	214.782	5369.5
21 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	5.334	5.331	(1.046)	689057	220.029	5500.7
	40 Dibromochloromethane	129	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	28 Benzene	78	4.789	4.798	(0.940)	2281749	231.903	5797.6
	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	6.434	6.431	(0.837)	2542032	226.666	5666.7
	41 Chlorobenzene	112	7.712	7.709	(1.003)	1654987	223.415	5585.4
	42 Ethylbenzene	106	7.807	7.804	(1.015)	267567	64.9455	1623.6
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.913	7.910	(1.029)	1150488	234.430	5860.7
	44 Xylene-o	106	8.292	8.289	(1.078)	91023	19.9549	498.87
M	80 Xylenes (total)	106				1241511	272.176	6804.4
	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.					
	90 Cyclohexane	56	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.					
	91 Isopropylbenzene	105	8.635	8.644	(1.123)	411213	36.0254	900.63(a)
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

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

RMT

MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 002
Method: OCLP OLM03.1
Volatile Organics, GC/MS (CLP -OLM03.1)

Sample WT/Vol: 4 / g Date Received: 11/08/00
Work Order: DPJF31AH Date Extracted:11/15/00
Dilution factor: 1 Date Analyzed: 11/15/00

QC Batch: 0322514

Client Sample Id: SL-83-9.0'
Soil Extract Vol: 10 / mL Soil Aliquot Vol: 100 / uL

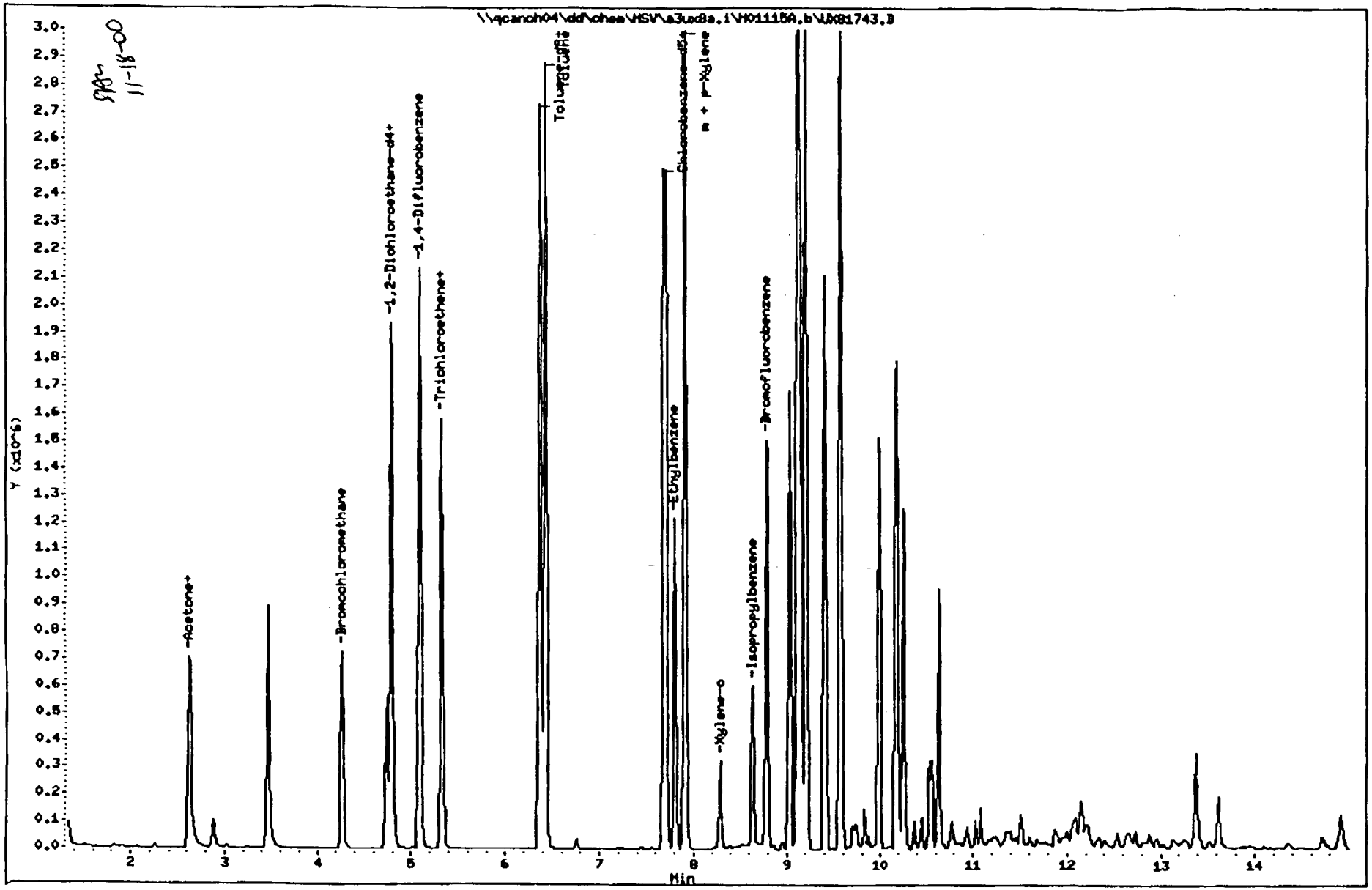
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
71-43-2	Benzene	7000	
108-90-7	Chlorobenzene	6700	
75-35-4	1,1-Dichloroethene	6300	
108-88-3	Toluene	6800	
79-01-6	Trichloroethene	6500	

FORM I

Data File: \\qcanch04\dd\chem\HSV\a3ux8a.i\H01115A.b\UX81743.D
Date : 15-NOV-2000 23:15
Client ID:
Sample Info: DPJF31AH,,2,100UL/5ML

Instrument: a3ux8a.i

Operator: 2807
Column phase: DB624 20m
Column diameter: 0.18



STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\UX81743.D
Lab Smp Id: DPJF31AH
Inj Date : 15-NOV-2000 23:15
Operator : 2807 Inst ID: a3ux8a.i
Smp Info : DPJF31AH,,2,100UL/5ML
Misc Info : M01115A,8240LCLPUX8,,2807,3,,MSD
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux8a.i\M01115A.b\8240LCLPUX8.m
Meth Date : 17-Nov-2000 18:57 mccroryj Quant Type: ISTD
Cal Date : 15-NOV-2000 19:01 Cal File: UX81732.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8240.sub
Target Version: 4.04
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Ws	4.000	Soil amount
M	0.000	Percent Moisture
Va	100.000	Amount of extract
Vt	10000.000	Final extraction Vol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
* 1 Bromochloromethane	128	4.265	4.266	(1.000)	305795	250.000	
* 2 1,4-Difluorobenzene	114	5.093	5.094	(1.000)	2128435	250.000	
* 3 Chlorobenzene-d5	117	7.685	7.686	(1.000)	1703733	250.000	
$ 4 1,2-Dichloroethane-d4	65	4.738	4.739	(1.111)	431415	250.104	6252.6
$ 5 Toluene-d8	98	6.371	6.372	(0.829)	2172467	243.858	6096.4
$ 6 Bromofluorobenzene	95	8.785	8.786	(1.143)	690395	236.366	5909.1
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	Compound Not Detected.					
14 Acetone	43	2.656	2.657	(0.623)	24558	68.2341	1705.8
17 Carbon Disulfide	76	Compound Not Detected.					
15 1,1-Dichloroethene	96	2.632	2.633	(0.617)	456084	209.198	5229.9
21 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (UG/KG)
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	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	5.330	5.331	(1.046)	671649	218.059	5451.5
	40 Dibromochloromethane	129	Compound Not Detected.					
	38 1,1,2-Trichloroethane	97	Compound Not Detected.					
	28 Benzene	78	4.786	4.798	(0.940)	2253302	232.844	5821.1
	36 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 Bromoform	173	Compound Not Detected.					
	33 4-Methyl-2-pentanone	58	6.371	6.254	(0.829)	11499	28.2275	705.69
	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	6.430	6.431	(0.837)	2496055	228.163	5704.1
	41 Chlorobenzene	112	7.708	7.709	(1.003)	1627939	225.289	5632.2
	42 Ethylbenzene	106	7.803	7.804	(1.015)	340925	84.8321	2120.8
	45 Styrene	104	Compound Not Detected.					
	43 m + p-Xylene	106	7.909	7.910	(1.029)	1469798	307.025	7675.6
	44 Xylene-o	106	8.288	8.289	(1.079)	112893	25.3718	634.29
M	80 Xylenes (total)	106				1582691	355.697	8892.4
	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.					
	90 Cyclohexane	56	Compound Not Detected.					
	92 Methyl Acetate	43	Compound Not Detected.					
	93 Methylcyclohexane	83	5.330	5.497	(1.046)	5571	1.25912	31.478(a)
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	91 Isopropylbenzene	105	8.643	8.644	(1.125)	518539	46.5702	1164.2(a)
	69 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

QC Flag Legend

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

Committed To *Your* Success

MISCELLANEOUS DATA

Batch # 0322201 GC/MS VOA Run Log

Column	BFB	Analysis	Purge & Trap
Type: DB62 / MS# 0322074	100 C for 0.1 min	40 C for 2 min	Trap: 10
Length 75 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.53 mm	Hold — min	to 290 C @ 30 C/min	Desorb: 2 min @ 190 C
Flow Rate 15 cL		Hold — min	Bake: 6 min @ 210 C
			Heated Purge: Yes No

CLP SOILS

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Sample prep	Comments	Sample status
	BFB		BFB745X	50ng	DIR INJ.	1029	ok
1	CLP STD		VOX5500	1000ng	V7860,61 V7874		ok
2			VOX5501	500ng			ok
3			VOX5502	250ng		V01116X CLP	ok
4			VOX5503	100ng			ok
5			VOX5504	50ng			ok
6	BLANK	DPZXV	VOX5505	5.0g/5mL		AL	ok
7	DPR3P1AA		VOX5506	5.0g			ok
8	~~DPJA~~ DPJFJ1AA	AU	VOX5507	5.0g			ok
9	DPJFJ1AV	MS	VOX5508	5.0g	+250ng		ok
10	DPJFJ1AG	MSA	VOX5509	5.0g			ok
11	BLANK		VOX5510	5mL			ok
12	DPR3P		VOX5511	5.0g	+250ng		ok
13	DPR3P		VOX5512	5.0g			ok

FQ 11-17-01

Analyst: RQ

Second level Review: [illegible]

№ 026

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UX8
Batch # 0310100

STL-North Canton
GC/MS VOA Run Log

Date: 11-5-00

MS#: 0310004

Column	BFB	Analysis	Purge & Trap
Type: DB-W14	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 @ 190 C
Flow Rate [illegible]		Hold 3 min	Bake: 6 min @ 210 C
			Heated Purge: Yes (No)

CLP / H_2O

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Sample prep	Comments	Sample status	
–	BFB		BFB8556	50ng	Direct Inj	0955	Ok	SK
1	Very CLP Primary STD		UX81431	1000ng	V7801, V7803, V7818		Ok	
2			UX81432	500ng			Ok	
3			UX81433	250ng		V01105-8 (CLP)	Ok	
4			UX81434	100ng			Ok	
5			UX81435	50ng			Ok	
6	CHCL		UX81436	250ng (5ml/5ml)		V7805, V7807 Primary CLP STD	Ok	
7	VBLL		UX81437	5ml/5ml			Ok	
8	DPD3X1AA VBLL		UX81438	5ml/5ml			Ok	
9	DN88W1AA		UX81439	5ml/5ml			Ok	AOK020261
10	DN8831AA		UX81440				Ok	
11	DN8841AA		UX81441				Ok	
12	DN8851AA		UX81442				Ok	
13	DN8861AA		UX81443				Ok	
14	DN8871AA		UX81444				Ok	
15	DN8831AC	MS	UX81445		250ng	V7805, V7807 Primary CLP STD	Ok	
16	DN8831AD	MSD	UX81446				Ok	

SAM 11-5-00

Analyst: SAM
Second level Review: SAM

№ 017

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UX8
Batch # 0313543

STL-North Canton
GC/MS VOA Run Log

Due: 11/10 Date: 11-8-00

Column	BFB	Analysis	Purge & Trap
Type: DB624 CLP	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 @ 150 C
Flow Rate 0.4 mL/min		Hold 3 min	Bake: 6 min @ 210 C
			Heated Purge: Yes (No)

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Sample prep	Comments	Sample status	
—	BFB		BFB8561	50 ng	Direct Inj.	(1852)	Ok	
1	CLP STD.		UX81525	250 ng	V7830, V7829, V7818	V01105-8 (CLP)	Ok	
2	5 Herb		UX81526	250 ng (5 mL/5 mL)		V7836, V7837 ALP CLP STD.	Ok	
3	VBLL		UX81527	5 mL/5 mL			Ok	
4	DPKC7AA VBLL		UX81528				Ok	
5	DPDJA1AA		UX81529	5 mL/5 mL			Ok	AOK040153
6	DPKC61AA MLS VBLL	Prep 11/8	UX81530	100 uL/5 mL	(0313542)		Ok	
7	DPDH91AC		UX81531	20 uL/5 mL		TIC >1000 ng	Ok	AOK04015
8	DPDH31AC		UX81532	100 uL/5 mL		TIC >1000 ng	Ok	
9	DPDH31AJ	MS	UX81533				Ok	
10	DPDH31AK	MSD	UX81534				Ok	

SAM 11-8-00

Analyst: SAM.
Second level Review: [illegible]

№ 021

N:\QAQC\Lab Form\voa run logs

UX8
Batch # 0322515

STL-North Canton
GC/MS VOA Run Log

Date: 11-15-00

MS#: 0322287

Column	BFB	Analysis	Purge & Trap
Type: DB624	CLP / MCS/H_2O	45C for 2 min	Trap: 10
Length 20 M	100 C for 0.1 min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	to 200 C @ 20 C/min	to — C @ — C/min	Desorb: 1 min @ 190 C
Flow Rate 0.4 ml/min	Hold — min	Hold 3 min	Bake: 6 min @ 210 C
			Heated Purge: Yes (No)

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Sample prep	Comments	Sample status	
—	BFB		BFB8571	50ng		1755	Ok	
1	CLP STD		UX81730	1000ng	V7841, V7860 V7844		Ok	
2			UX81731	500ng			Ok	
3			UX81732	250ng		V01115-8 (CLP)	Ok	
4			UX81733	100ng			Ok	
5			UX81734	50ng			Ok	
6	Check		UX81735	250ng (5ml/5ml)		V7856, V7855 OLD CLP Primary	Ok	
7	VBLK		UX81736	5ml/5ml			Ok	
8	DPSE01AA VBLK		UX81737	5ml/5ml			Ok	
9	DPSE1AA MS VBLK	Prep 11/15	UX81738	100ml/5ml	0322514		Ok	
10	DPJF1AE		UX81739			1g/5ml	(C)	AOK080242
11	DPJF31AC		UX81740		0322514		Ok	
12	DPJF81AA		UX81741	10ml/5ml		TIC 7500ng	Ok	
13	DPJF31AG	MS	UX81742	100ml/5ml			Ok	
14	DPJF31AH	MSD	UX81743				OK	
15	~~DPR~~ DPPVR1A3		UX81744	5ml/5ml			Ok	AOK110119
16	DPPV71AE		UX81745				Ok	
17	DPPV91AE		UX81746				Ok	
18	DPPV91A5	MS	UX81747		250ng	V7856, V7855 OLD CLP Primary	Ok	
19	DPPV91A6	MSD	UX81748				Ok	
20	DPPWA1AE		UX81749	1.5ml/5ml			Ok	
21	DPPWD1AE		UX81750	0.05ml/5ml		25ul 1237-Tol	(D)	
22	DPPWG1AE		UX81751	0.15ml/5ml			Ok	
23	DPPWH1AE		UX81752	0.05ml/5ml		50ul 1516-Chlorobenz	(N)	
24	DPPWJ1AE		UX81753	0.1ml/5ml		727-Chlorobenz	(N)	
25	DPPWL1AE		UX81754	0.5ml/5ml		250ul 1158-Chlorobenz	(D)	
26	DPPWN1AA		UX81755	5ml/5ml			Ok	
27	DPPWV1AA		UX81756	0.25ml/5ml			Ok	
28	DPPWW1AA		UX81757	5ml/5ml			Ok	
29	DPPW11A3		UX81758				Ok	
30	DPPW51AA		UX81759				Ok	

Analyst: SAM

Second level Review: [illegible]

№ 030

N:\QAQC\Lab Form\voa run logs

11/22/00 10:24:25 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A0K080242	1	DPJFJ1AE	MSVCLP31	11/16/00	Richard Quayle
A0K080242	2	DPJF31AC	MSVCLP31	11/15/00	Steve Macenczak
A0K080242	4	DPJF81AA	MSVCLP31	11/15/00	Steve Macenczak

*** END OF REPORT ***

11/22/00 10:24:14 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A0K040153	1	DPDH31AC	MSVCLP31	11/08/00	Steve Macenczak
A0K040153	2	DPDH91AC	MSVCLP31	11/08/00	Steve Macenczak
A0K040153	3	DPDJA1AA	MSVCLP31	11/08/00	Steve Macenczak

*** END OF REPORT ***

MSVOC Lot Summary - A0K080242

CLIENT: 64186 RMT SDG: 0K04153 Date Received: 11/08/00
PROJECT MANAGER: Kenneth J. Kuzior Date Analysis Due: 11/22/00 F
SITE: RIVERDALE Date Report Due: 11/24/00
LOT COMMENTS: Turnaround Time: 14
QC PACKAGE: Report

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-	DPJFJ-1AE	XX A 4D I3 94	MSVCLP31	11/07/00 9:00	11/18/00	Y	SL-82-9.0' Q: CLP MSVOA TCL Standard List MS REQUIRED THIS SAM, C PACK! SDG #0K04153 (CLOSED)
001-D	" -1AG	XX A 4D I3 94	MSVCLP31	11/07/00	11/18/00	Y	
001-S	" -1AF	XX A 4D I3 94	MSVCLP31	11/07/00	11/18/00	Y	
002-	DPJF3-1AC	XX A 4D I3 94	MSVCLP31	11/07/00 9:45	11/18/00	Y	SL-83-9.0' Q: CLP MSVOA TCL Standard List MS REQUIRED CLT SPEC, C PACK! SDG #0K04153 (CLOSED)
004-	DPJF8-1AA	XX A 4D I3 94	MSVCLP31	11/07/00 10:15	11/18/00	Y	DSL-17 Q: CLP MSVOA TCL Standard List MS REQUIRED CLT SPEC, C PACK! SDG #0K04153 (CLOSED).

MSVOC Lot Summary - A0K040153

CLIENT: 64186 RMT SDG: 0K04153 Date Received: 11/04/00
PROJECT MANAGER: Kenneth J. Kuzior Date Analysis Due: 11/10/00 F
SITE: RIVERDALE Date Report Due: 11/13/00
LOT COMMENTS: Turnaround Time: 7
QC PACKAGE: CLP

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-	DPDH3-1AC	XX A 4D I3 94	MSVCLP31	11/02/00 13:30	11/14/00	Y	SL-80 Q: CLP MSVOA TCL Standard List C-PACK!! 1 WEEK TAT!! SDG #0K04153.
002-	DPDH9-1AC	XX A 4D I3 94	MSVCLP31	11/02/00 14:00	11/14/00	Y	SL-81 Q: CLP MSVOA TCL Standard List C-PACK!! 1 WEEK TAT!! SDG #0K04153.
003-	DPDJA-1AA	XX I 25 I3 94	MSVCLP31	11/02/00	11/14/00	Y	HLDBLK Q: CLP MSVOA TCL Standard List C-PACK!! 1 WEEK TAT!! SDG #0K04153.

2

2

1.2

pH=1

SDG SAMPLE SUMMARY REPORT

Sample Delivery Group Number: 0K04153 Client Number: 00064186

Lot ID	Sample #	Type	Receipt Date	Client Sample ID
A0K040153	001		11/04/00	SL-80
A0K040153	001	D	11/04/00	SL-80
A0K040153	001	S	11/04/00	SL-80
A0K040153	002		11/04/00	SL-81
A0K040153	002	D	11/04/00	SL-81
A0K040153	002	S	11/04/00	SL-81
A0K040153	003		11/04/00	HLDBLK
A0K080242	001		11/08/00	SL-82-9.0'
A0K080242	001	D	11/08/00	SL-82-9.0'
A0K080242	001	S	11/08/00	SL-82-9.0'
A0K080242	001	X	11/08/00	SL-82-9.0' DUP
A0K080242	002		11/08/00	SL-83-9.0'
A0K080242	002	D	11/08/00	SL-83-9.0'
A0K080242	002	S	11/08/00	SL-83-9.0'
A0K080242	003		11/08/00	DSL-16
A0K080242	003	S	11/08/00	DSL-16
A0K080242	003	X	11/08/00	DSL-16 DUP
A0K080242	004		11/08/00	DSL-17

Committed To *Your* Success

GCMS SEMIVOLATILE DATA

Committed To *Your* Success

QC SUMMARY DATA

OCLP OLM03.1 SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 0K04153

Lot #: A0K040153

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	SRG07	SRG08	TOT OUT
01	SL-80 RE-1	51 D	76 D	82 D	44 D	36 D	56 D	48 D	35 D	00
02	SL-81 RE-1	4.9D	48 D	76 D	5.2D	0.0D	56 D	1.9D	100D	04
03	METHOD BLK. DQG061AA	71	76	94	76	64	60	80	56	00
04	SL-80 D	59 D	76 D	82 D	60 D	60 D	60 D	72 D	55 D	00
05	SL-80 S	69 D	94 D	100D	64 D	56 D	60 D	72 D	57 D	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-Fluorophenol	(25-121)
SRG06	= 2,4,6-Tribromophenol	(19-122)
SRG07	= 2-Chlorophenol-d4	(20-130)
SRG08	= 1,2-Dichlorobenzene-d4	(20-130)

\# 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: STLCAN SDG No: 0K04153

Lot #: A0K080242

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	SRG07	SRG08	TOT OUT
01	SL-82-9.0' RE-1	75	81	88	72	60	52	76	69	00
02	SL-83-9.0' RE-1	58	65	71	60	56	44	64	53	00
03	DSL-16 RE-1	65 D	76 D	59 D	56 D	56 D	52 D	64 D	54 D	00
04	METHOD BLK. DQGQ81AA	71	76	94	72	64	60	80	57	00
05	SL-82-9.0' D	65	71	71	68	60	56	72	58	00
06	SL-82-9.0' S	65	65	71	64	56	52	68	55	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-Fluorophenol	(25-121)
SRG06	= 2,4,6-Tribromophenol	(19-122)
SRG07	= 2-Chlorophenol-d4	(20-130)
SRG08	= 1,2-Dichlorobenzene-d4	(20-130)

\# 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: STLCAN SDG No: 0K04153

Matrix Spike ID: SL-80

Lot #: A0K040153 WO #: DPDH31AL
BATCH: 0334103

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	3200	ND	1800	56	26- 90	DIL
2-Chlorophenol	3200	ND	2000	64	25- 102	DIL
1,4-Dichlorobenzene	2000	ND	970	48	28- 104	DIL
N-Nitrosodi-n-propylamine	2000	ND	1500	75	41- 126	DIL
1,2,4-Trichlorobenzene	2000	ND	1100	54	38- 107	DIL
4-Chloro-3-methylphenol	3200	ND	1800	56	26- 103	DIL
Acenaphthene	2000	430	2200	85	31- 137	DIL
Pentachlorophenol	3200	ND	1700	52	17- 109	DIL
Pyrene	2000	ND	640	31*	35- 142	DIL a
4-Nitrophenol	3200	ND	2200	68	11- 114	DIL
2,4-Dinitrotoluene	2000	ND	2300	112*	28- 89	DIL a

NOTES(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

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: 2 out of 11 outside limits

COMMENTS:

FORM III

OCLP OLM03.1 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 0K04153

Matrix Spike ID: SL-8C

Lot #: A0K040153 WO #: DPDH31AM
BATCH: 0334103

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	3200	1800	56	0.0		35	26 - 90	DIL
2-Chlorophenol	3200	2000	64	0.0		50	25 - 102	DIL
1,4-Dichlorobenzene	2200	1100	50	5.1		27	28 - 104	DIL
N-Nitrosodi-n-propylamine	2200	1500	71	6.1		38	41 - 126	DIL
1,2,4-Trichlorobenzene	2200	1000	48	12		23	38 - 107	DIL
4-Chloro-3-methylphenol	3200	1900	60	6.9		33	26 - 103	DIL
Acenaphthene	2200	1800	62	25	*	19	31 - 137	DIL p
4-Nitrophenol	3200	1800	56	19		50	11 - 114	DIL
2,4-Dinitrotoluene	2200	2200	100*	12		47	28 - 89	DIL a
Pentachlorophenol	3200	1400	44	17		47	17 - 109	DIL
Pyrene	2200	620	29*	8.1		36	35 - 142	DIL a

NOTES(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

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

RPD: 1 out of 11 outside limits
Spike Recovery: 2 out of 11 outside limits

COMMENTS:

FORM III

OCLP OLM03.1 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 0K04153

Matrix Spike ID: SL-82-9.0'

Lot #: A0K080242 WO #: DPJFJ1AW
BATCH: 0334105

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	3200	ND	1800	56	26- 90	
2-Chlorophenol	3200	ND	1900	60	25- 102	
1,4-Dichlorobenzene	2100	ND	1100	51	28- 104	
N-Nitrosodi-n-propylamine	2100	ND	1500	71	41- 126	
1,2,4-Trichlorobenzene	2100	ND	1100	49	38- 107	
4-Chloro-3-methylphenol	3200	ND	1900	60	26- 103	
Acenaphthene	2100	54	1300	56	31- 137	
4-Nitrophenol	3200	ND	2800	88	11- 114	
2,4-Dinitrotoluene	2100	ND	1500	71	28- 89	
Pentachlorophenol	3200	ND	1600	52	17- 109	
Pyrene	2100	ND	550	26*	35- 142	a

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

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: 1 out of 11 outside limits

COMMENTS:

FORM III

OCLP OLM03.1 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 0K04153

Matrix Spike ID: SL-82-9.0'

Lot #: A0K080242 WO #: DPJFJ1AX
BATCH: 0334105

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	3200	1900	60	6.9	35	26- 90	
2-Chlorophenol	3200	2000	64	6.4	50	25- 102	
1,4-Dichlorobenzene	2100	1100	51	0.0	27	28- 104	
N-Nitrosodi-n-propylamine	2100	1500	71	0.0	38	41- 126	
1,2,4-Trichlorobenzene	2100	1100	51	2.4	23	38- 107	
4-Chloro-3-methylphenol	3200	1900	60	0.0	33	26- 103	
Acenaphthene	2100	1300	56	0.0	19	31- 137	
4-Nitrophenol	3200	2900	92	4.4	50	11- 114	
2,4-Dinitrotoluene	2100	1600	76	8.0	47	28- 89	
Pentachlorophenol	3200	1800	56	7.4	47	17- 109	
Pyrene	2100	580	27*	4.4	36	35- 142	a

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 11 outside limits
Spike Recovery: 1 out of 11 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

DQGQ61AA

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number: 0K04153

Lab File ID: DQGQ6BLK.

Lot Number: A0K040153

Date Analyzed: 12/04/00

Time Analyzed: 12:49

Matrix: SOLID

Date Extracted: 11/29/00

GC Column: DB .625 ID: .32

Extraction Method:

Instrument ID: HP9

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	SL-80	DPDH31AL S	SL80MSRE.	12/04/00	14:46
02	SL-80	DPDH31AM D	SL80SDRE.	12/04/00	15:25
03	SL-80	DPDH32AD	SL80RE.D	12/04/00	14:07
04	SL-81	DPDH92AD	SL81RE.D	12/04/00	16:04
05					
06					
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

DQGQ81AA

OCLP OLM03.1 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number: 0K04153

Lab File ID: DQGQ8BLK.

Lot Number: A0K080242

Date Analyzed: 12/04/00

Time Analyzed: 13:27

Matrix: SOLID

Date Extracted: 11/29/00

GC Column: DB .625 ID: .32

Extraction Method:

Instrument ID: HP9

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	SL-82-9.0'	DPJFJ1AW S	SL82MSRE.	12/04/00	16:43
02	SL-82-9.0'	DPJFJ1AX D	SL82SDRE.	12/04/00	18:01
03	SL-82-9.0'	DPJFJ2AH	SL82RE.D	12/04/00	17:22
04	SL-83-9.0'	DPJF32AD	SL83RE.D	12/04/00	18:40
05	DSL-16	DPJF52A4	DSL16RE.D	12/04/00	19:19
06					
07					
08					
09					
10					
11					
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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.: 0K04153

Lab File ID: 9DF1127 DFTPP Injection Date: 11/27/00

Instrument ID: A4HP9 DFTPP Injection Time: 1541

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	47.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	49.2
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	6.6
275	10.0 - 30.0% of mass 198	20.1
365	Greater than 0.75% of mass 198	2.23
441	Present, but less than mass 443	12.3
442	40.0 - 110.0% of mass 198	73.6
443	15.0 - 24.0% of mass 442	13.7 (18.6)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	SSTD020	SSTD020	9SL1127	11/27/00	1606
02	SSTD050	SSTD050	9SML1127	11/27/00	1646
03	SSTD080	SSTD080	9SM1127	11/27/00	1726
04	SSTD120	SSTD120	9SMH1127	11/27/00	1806
05	SSTD160	SSTD160	9SH1127	11/27/00	1846
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22					

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 0K04153

Lab File ID: 9DF1204A DFTPP Injection Date: 12/04/00

Instrument ID: A4HP9 DFTPP Injection Time: 1045

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	50.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	53.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	54.7
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	21.9
365	Greater than 0.75% of mass 198	2.68
441	Present, but less than mass 443	10.4
442	40.0 - 110.0% of mass 198	64.8
443	15.0 - 24.0% of mass 442	12.8 (19.7)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	SSTD005	SSTD005	9SML1204	12/04/00	1212
02	DQGQ6BLK	DQGQ61AA	DQGQ6BLK	12/04/00	1249
03	DQGQ8BLK	DQGQ81AA	DQGQ8BLK	12/04/00	1327
04	SL-80	DPDH32AD	SL80RE	12/04/00	1407
05	SL-80	DPDH31AL	SL80MSRE	12/04/00	1446
06	SL-80	DPDH31AM	SL80SDRE	12/04/00	1525
07	SL-81	DPDH92AD	SL81RE	12/04/00	1604
08	SL-82-9.0'	DPJFJ1AW	SL82MSRE	12/04/00	1643
09	SL-82-9.0'	DPJFJ2AH	SL82RE	12/04/00	1722
10	SL-82-9.0'	DPJFJ1AX	SL82SDRE	12/04/00	1801
11	SL-83-9.0'	DPJF32AD	SL83RE	12/04/00	1840
12	DSL-16	DPJF52A4	DSL16RE	12/04/00	1919
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 0K04153

Lab File ID (Standard): 9SML1204 Date Analyzed: 12/04/00

Instrument ID: A4HP9 Time Analyzed: 1212

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	142905	6.86	508545	9.20	300974	12.67
	UPPER LIMIT	285810	7.36	1017090	9.70	601948	13.17
	LOWER LIMIT	71453	6.36	254273	8.70	150487	12.17
	EPA SAMPLE NO.						
01	DQGQ6BLK	122371	6.86	483118	9.19	280034	12.66
02	DQGQ8BLK	107248	6.86	422553	9.19	244199	12.66
03	SL-80	108546	6.85	411415	9.19	211198	12.66
04	SL-80	107529	6.86	415887	9.20	214074	12.66
05	SL-80	113681	6.85	443616	9.19	233576	12.66
06	SL-81	117161	6.85	458248	9.19	233072	12.66
07	SL-82-9.0'	110427	6.86	440257	9.19	259270	12.66
08	SL-82-9.0'	108868	6.86	427712	9.19	240969	12.66
09	SL-82-9.0'	108706	6.86	430149	9.19	253665	12.66
10	SL-83-9.0'	110722	6.86	451143	9.19	262862	12.66
11	DSL-16	103345	6.86	377760	9.19	184672	12.67
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: QESOH Case No.: SAS No.: SDG No.: 0K04153

Lab File ID (Standard): 9SML1204 Date Analyzed: 12/04/00

Instrument ID: A4HP9 Time Analyzed: 1212

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	410017	15.63	302674	20.97	190516	23.63
	UPPER LIMIT	820034	16.13	605348	21.47	381032	24.13
	LOWER LIMIT	205009	15.13	151337	20.47	95258	23.13
	EPA SAMPLE NO.						
01	DQGQ6BLK	384220	15.63	245840	20.96	187925	23.63
02	DQGQ8BLK	331856	15.62	221797	20.96	173010	23.63
03	SL-80	323560	15.63	225380	20.96	186331	23.63
04	SL-80	336825	15.63	231392	20.96	197279	23.63
05	SL-80	360493	15.63	242239	20.96	199884	23.63
06	SL-81	355969	15.63	245494	20.96	200385	23.63
07	SL-82-9.0'	357852	15.63	258409	20.96	209671	23.63
08	SL-82-9.0'	342829	15.62	229915	20.97	186569	23.63
09	SL-82-9.0'	349689	15.63	251308	20.96	204836	23.63
10	SL-83-9.0'	370205	15.62	245314	20.96	196446	23.63
11	DSL-16	289178	15.63	216075	20.96	166745	23.63
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

Committed To *Your* Success

SAMPLE DATA

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/04/00
Work Order: DPDH32AD Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334103

Client Sample Id: SL-80 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-95-2	Phenol	4200	U
111-44-4	bis(2-Chloroethyl) ether	4200	U
95-57-8	2-Chlorophenol	4200	U
541-73-1	1,3-Dichlorobenzene	4200	U
106-46-7	1,4-Dichlorobenzene	4200	U
95-50-1	1,2-Dichlorobenzene	4200	U
95-48-7	2-Methylphenol	4200	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	4200	U
106-44-5	4-Methylphenol	4200	U
621-64-7	N-Nitrosodi-n-propylamine	4200	U
67-72-1	Hexachloroethane	4200	U
98-95-3	Nitrobenzene	4200	U
78-59-1	Isophorone	4200	U
88-75-5	2-Nitrophenol	4200	U
105-67-9	2,4-Dimethylphenol	4200	U
111-91-1	bis(2-Chloroethoxy)methane	4200	U
120-83-2	2,4-Dichlorophenol	4200	U
120-82-1	1,2,4-Trichlorobenzene	4200	U
91-20-3	**Naphthalene**	**8500**	
106-47-8	4-Chloroaniline	4200	U
87-68-3	Hexachlorobutadiene	4200	U
59-50-7	4-Chloro-3-methylphenol	4200	U
91-57-6	**2-Methylnaphthalene**	**28000**	
77-47-4	Hexachlorocyclopentadiene	4200	U
88-06-2	2,4,6-Trichlorophenol	4200	U
95-95-4	2,4,5-Trichlorophenol	10000	U
91-58-7	2-Chloronaphthalene	4200	U
88-74-4	2-Nitroaniline	10000	U

FORM I

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/04/00
Work Order: DPDH32AD Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334103

Client Sample Id: SL-80 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
131-11-3	Dimethyl phthalate	4200	U
208-96-8	Acenaphthylene	4200	U
606-20-2	2,6-Dinitrotoluene	4200	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	**Acenaphthene**	**430**	**J**
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	U
132-64-9	Dibenzofuran	4200	U
121-14-2	2,4-Dinitrotoluene	4200	U
84-66-2	Diethyl phthalate	4200	U
7005-72-3	4-Chlorophenyl phenyl ether	4200	U
86-73-7	**Fluorene**	**660**	**J**
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine	4200	U
101-55-3	4-Bromophenyl phenyl ether	4200	U
118-74-1	Hexachlorobenzene	4200	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	4200	U
120-12-7	Anthracene	4200	U
86-74-8	Carbazole	4200	U
84-74-2	Di-n-butyl phthalate	4200	U
206-44-0	Fluoranthene	4200	U
129-00-0	Pyrene	4200	U
85-68-7	Butyl benzyl phthalate	4200	U
91-94-1	3,3'-Dichlorobenzidine	4200	U
56-55-3	Benzo(a)anthracene	4200	U
218-01-9	Chrysene	4200	U

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/04/00
Work Order: DPDH32AD Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334103

Client Sample Id: SL-80 -RE 1

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

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.07 / g Date Received: 11/04/00
Work Order: DPDH32AD Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334103

Client Sample Id: SL-80 -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown Aldol Condensate	4.3541	13000	JA
	Unknown PAH	10.791	15000	J
	Unknown Aromatic	6.0796	5900	J
	Unknown Aromatic	6.117	3300	J
	Unknown Aromatic	6.1972	5000	J
	Unknown Aromatic	6.3414	2500	J
	Unknown Aromatic	6.5604	10000	J
	Unknown Aromatic	6.9611	3900	J
	Unknown Aromatic	7.3083	4500	J
	Unknown Aromatic	7.4312	5900	J
	Unknown Aromatic	7.8212	4800	J
	Unknown Aromatic	8.2486	1500	J
	Unknown Aromatic	8.302	1900	J
	Unknown Aromatic	8.7187	3100	J
	Unknown Aromatic	9.2742	2800	J
	Unknown Aromatic	9.755	1700	J
	Unknown Aromatic	9.9687	2000	J
	Unknown Aromatic	10.129	2000	J
	Unknown Aromatic	10.321	2500	J
	Unknown Hydrocarbon	10.444	1800	J
	Unknown PAH	11.71	5000	J
	Unknown PAH	11.849	13000	J
	Unknown PAH	12.004	15000	J
	Unknown PAH	12.046	6900	J
	Unknown PAH	12.223	4100	J
	Unknown PAH	12.383	2000	J

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

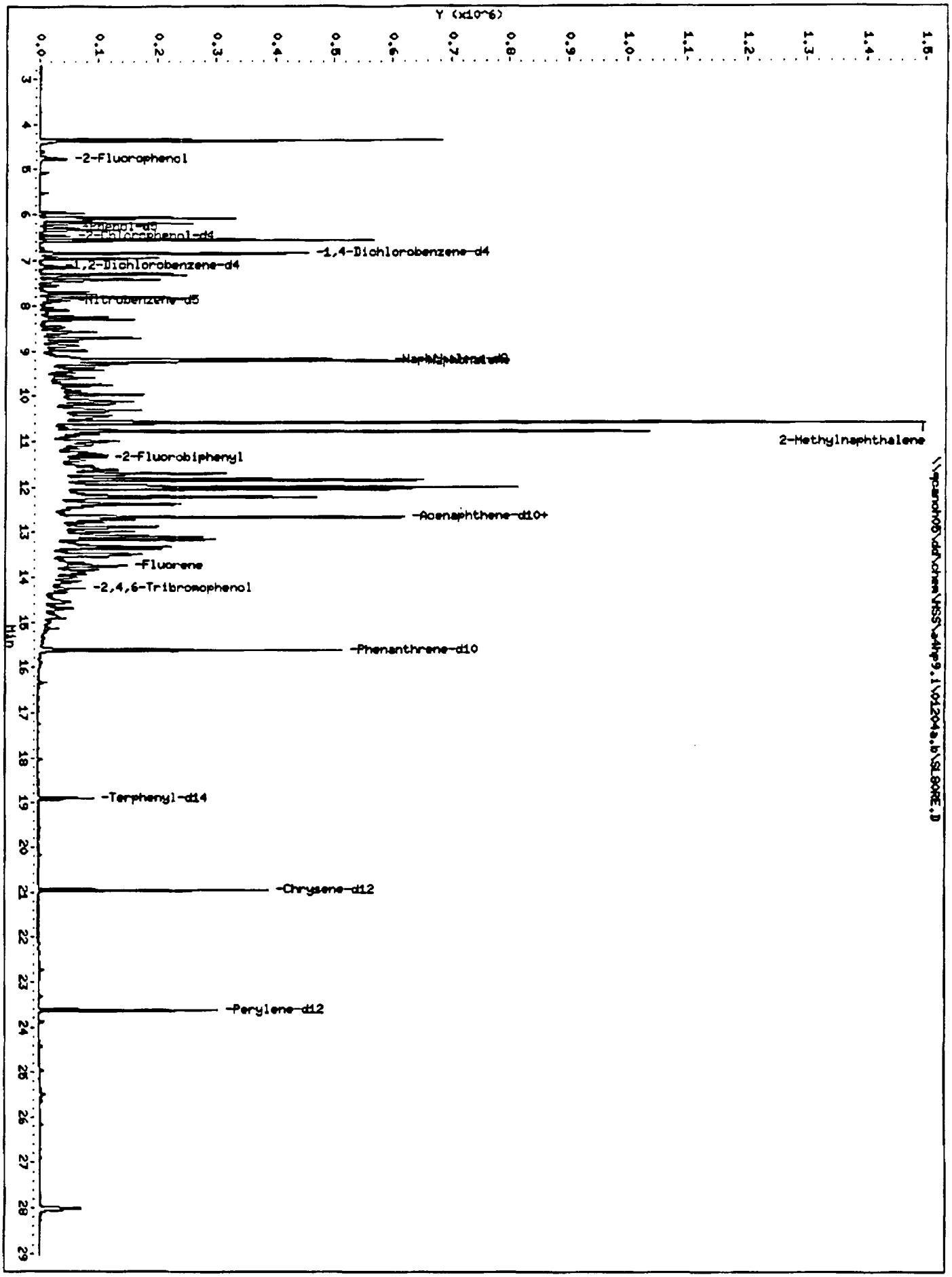
Sample WT/Vol: 30.07 / g Date Received: 11/04/00
Work Order: DPDH32AD Date Extracted:11/29/00
Dilution factor: 10 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334103

Client Sample Id: SL-80 -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown PAH	12.885	3200	J
	Unknown PAH	13.099	2800	J
	Unknown PAH	13.168	3700	J
	Unknown PAH	13.323	2200	J
	Unknown PAH	13.366	2400	J
	Unknown PAH	13.499	4600	J
	Unknown	28.009	3400	J


Y (x10^6)
Min
-2-Fluorophenol
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
2-Methylnaphthalene
-2-Fluorobiphenyl
-Acenaphthene-d10+
-Fluorene
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL80RE.D
Lab Smp Id: DPDH32AD Client Smp ID: SL-80
Inj Date : 04-DEC-2000 14:07
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpdh32ad,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 2
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	10.000	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	30.070	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	6.854	6.859	(1.000)	108546	40.0000	
* 2 Naphthalene-d8	136	9.194	9.199	(1.000)	411415	40.0000	
* 3 Acenaphthene-d10	164	12.661	12.671	(1.000)	211198	40.0000	
* 4 Phenanthrene-d10	188	15.626	15.631	(1.000)	323560	40.0000	
* 5 Chrysene-d12	240	20.962	20.973	(1.000)	225380	40.0000	
* 6 Perylene-d12	264	23.628	23.633	(1.000)	186331	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.					

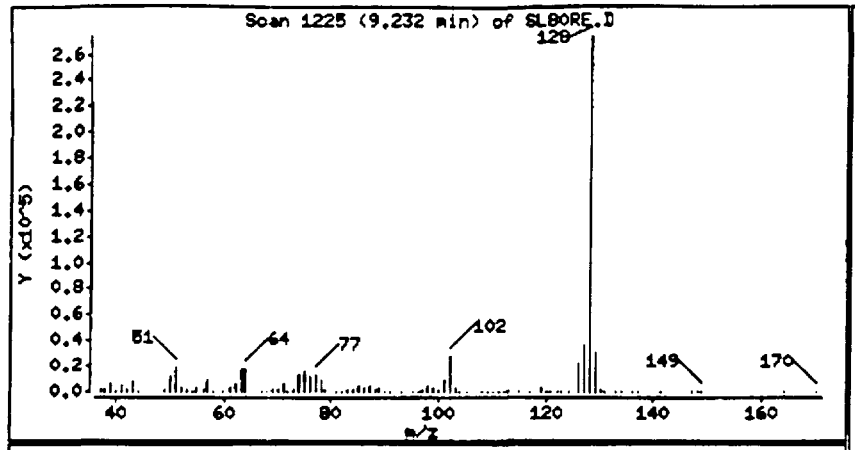
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	9.231	9.236	(1.004)	394690	40.3241	6700
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	10.599	10.588	(1.153)	846529	130.511	22000
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	12.719	12.735	(1.005)	10005	2.05018	340(a)
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	13.750	13.761	(1.086)	17947	3.12229	520(aQ)
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.					

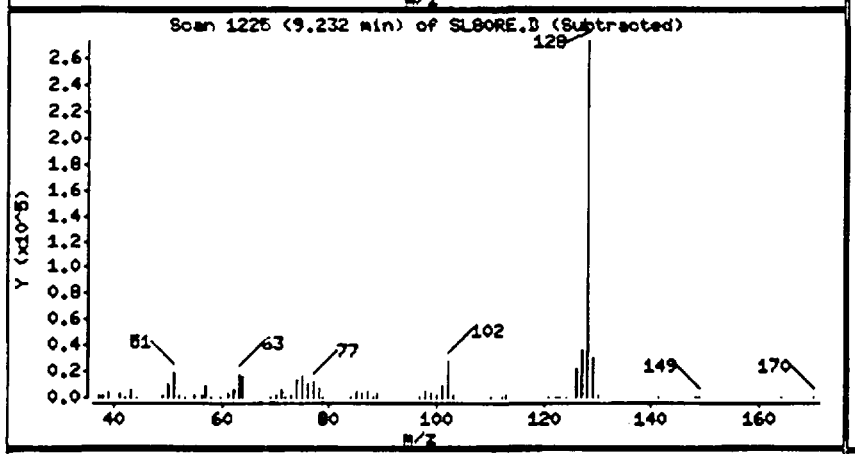
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
62 Benzo(a)Anthracene	228	Compound Not Detected.					
63 Chrysene	228	Compound Not Detected.					
64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
65 Di-n-octylphthalate	149	Compound Not Detected.					
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	7.890	7.901	(0.858)	21226	5.14743	860(a)
$ 73 2-Fluorobiphenyl	172	11.357	11.362	(0.897)	44043	7.71072	1300(a)
$ 74 Terphenyl-d14	244	18.911	18.916	(0.902)	44490	8.33477	1400(a)
$ 75 Phenol-d5	99	6.282	6.303	(0.917)	31700	6.87717	1100(a)
$ 76 2-Fluorophenol	112	4.781	4.781	(0.698)	19582	5.40294	900(a)
$ 77 2,4,6-Tribromophenol	330	14.253	14.268	(0.912)	7418	8.71690	1400(a)
$ 78 2-Chlorophenol-d4	132	6.475	6.485	(0.945)	22485	7.12634	1200(a)
$ 79 1,2-Dichlorobenzene-d4	152	7.132	7.137	(1.041)	7422	3.52616	590(a)

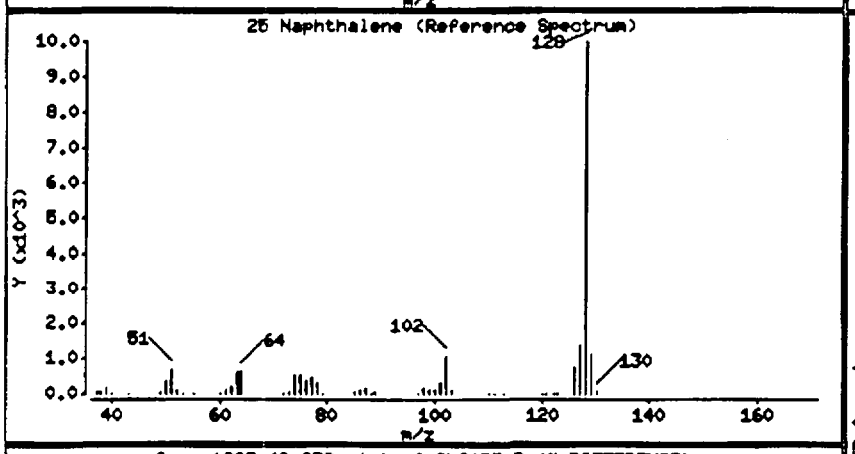
QC Flag Legend

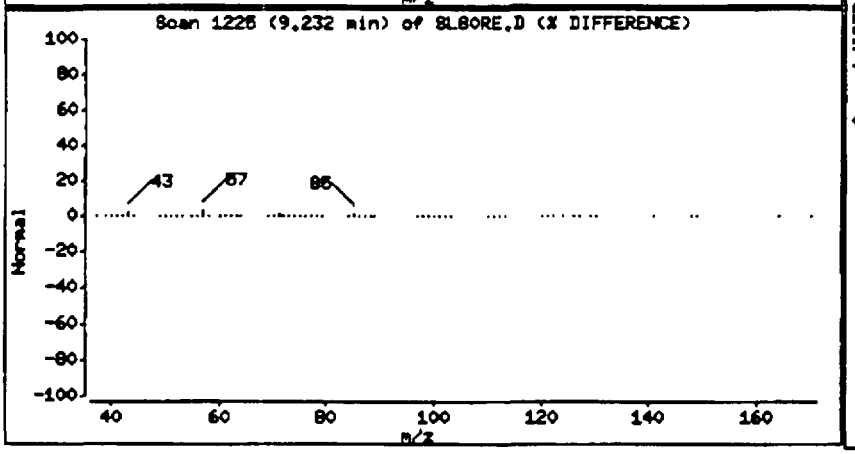
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

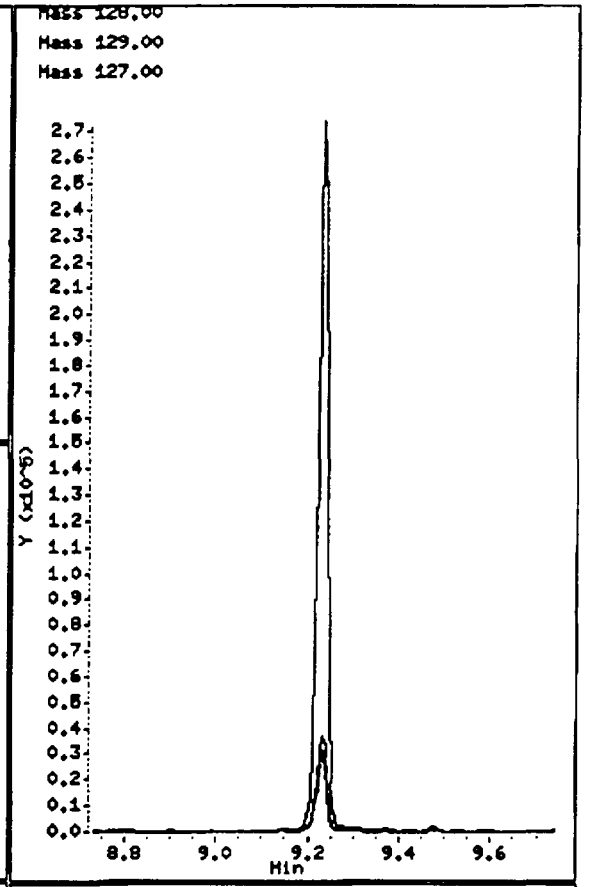
25 Naphthalene

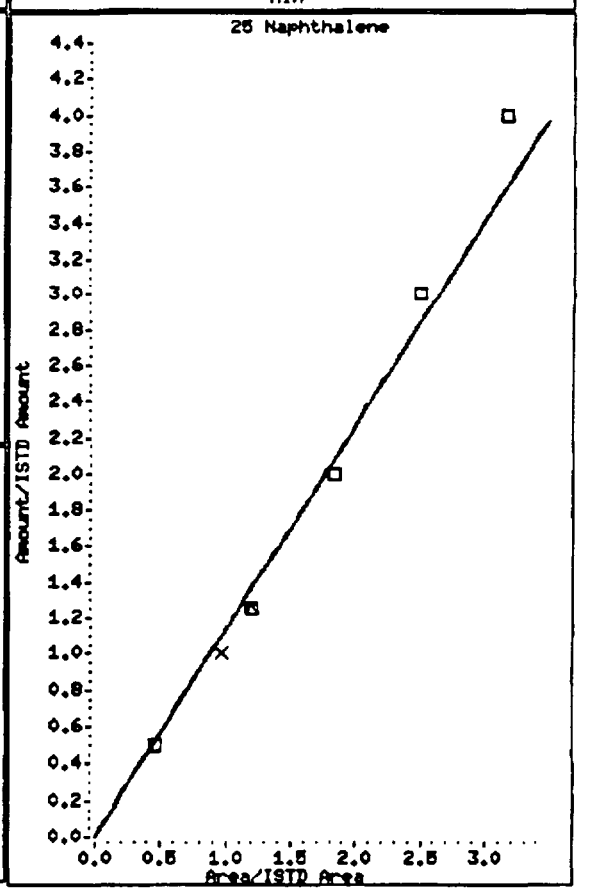




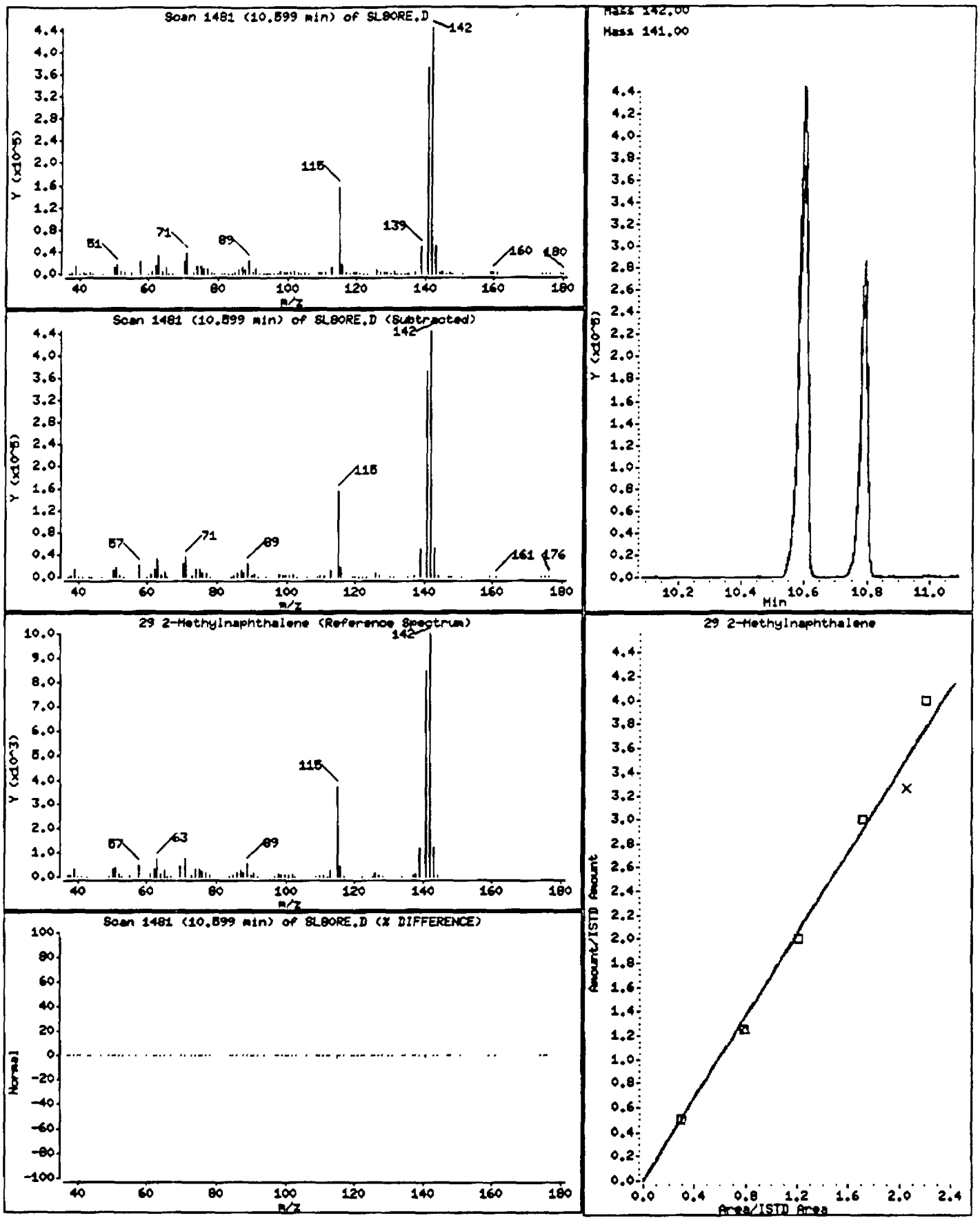




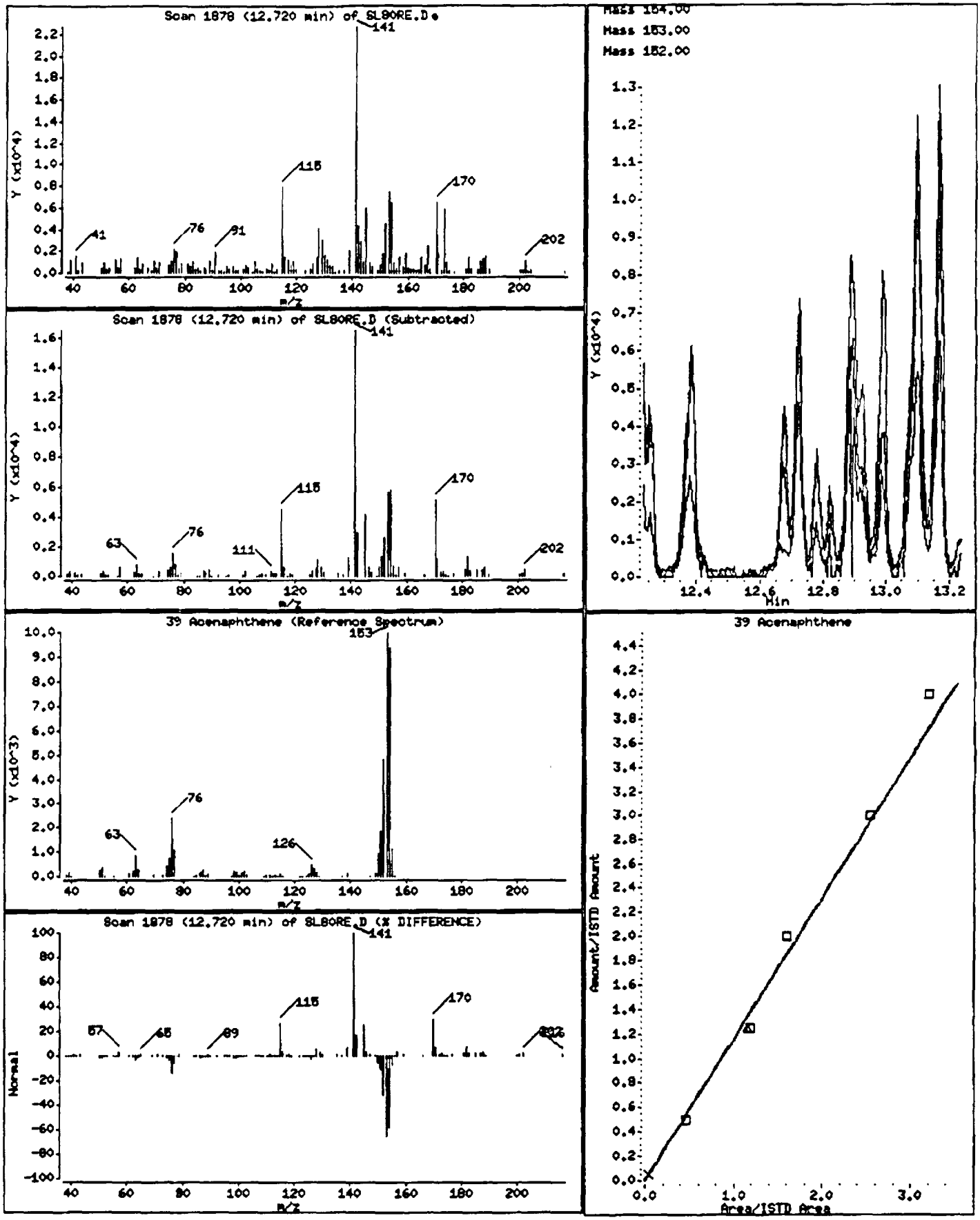




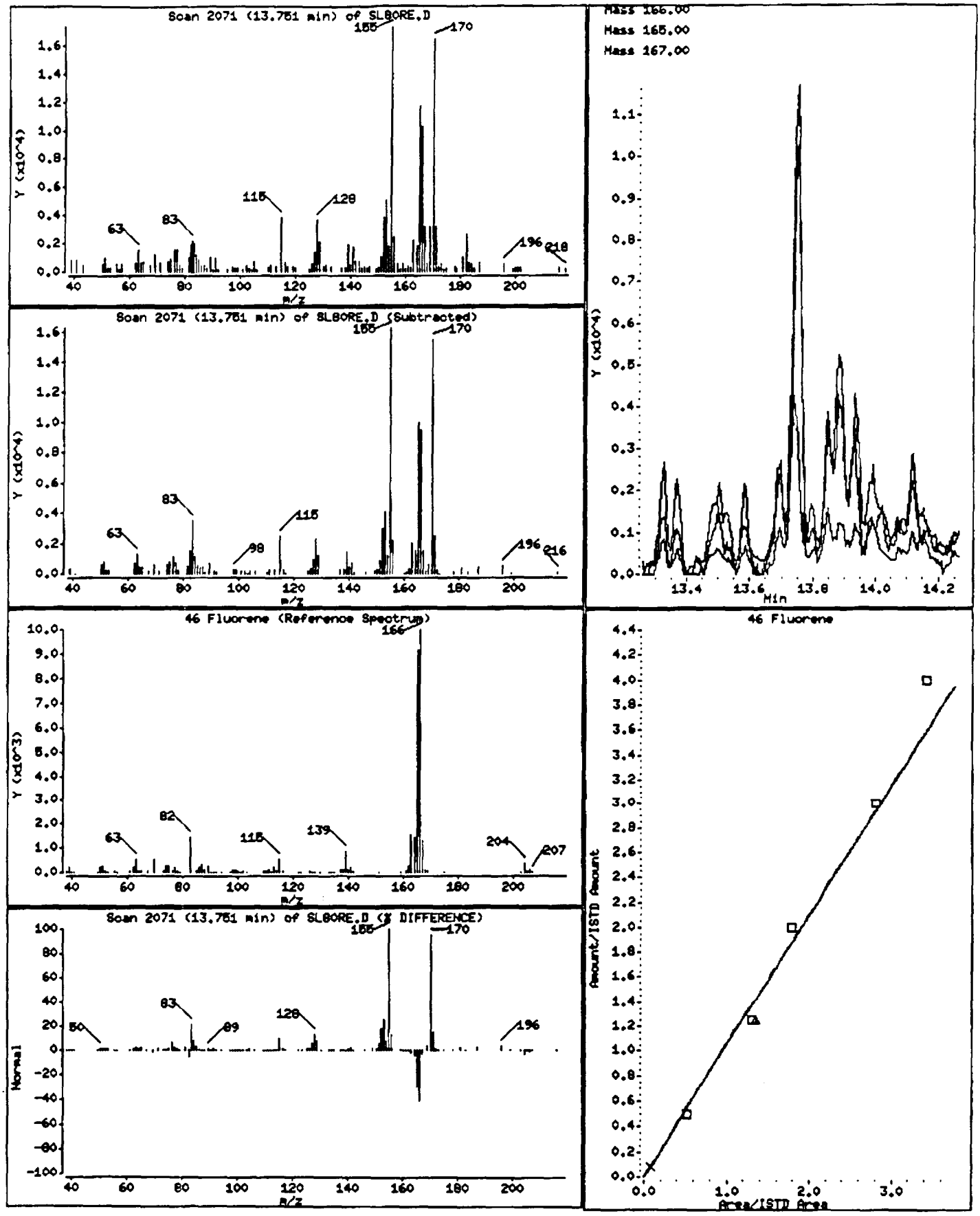
29 2-Methylnaphthalene



39 Acenaphthene



46 Fluorene


Scan 2071 (13.761 min) of SL8ORE.D
Y (x10^4)
m/z
Scan 2071 (13.761 min) of SL8ORE.D (Subtracted)
Mass 166.00
Mass 165.00
Mass 167.00
Min
46 Fluorene (Reference Spectrum)
Y (x10^3)
46 Fluorene
Amount/ISTD Amount
Area/ISTD Area
Scan 2071 (13.761 min) of SL8ORE.D (% DIFFERENCE)
Normal

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL80RE.D
Lab Smp Id: DPDH32AD Client Smp ID: SL-80
Inj Date : 04-DEC-2000 14:07
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpdh32ad,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:37 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 2
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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

Name	Value	Description
DF	10.000	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	30.070	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	6.854	689904	40.000
* 2 Naphthalene-d8	9.194	1005824	40.000
* 3 Acenaphthene-d10	12.661	1014381	40.000
* 6 Perylene-d12	23.629	530964	40.000

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

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate					CAS #:		
4.354	1055980	61.2247501	10000	99		0	1
Unknown Aromatic					CAS #:		
6.080	478316	27.7323222	4600	99		0	1
Unknown Aromatic					CAS #:		
6.117	273798	15.8745565	2600	99		0	1
Unknown Aromatic					CAS #:		
6.197	401140	23.2577286	3900	99		0	1
Unknown Aromatic					CAS #:		
6.341	213676	12.3887381	2000	99		0	1
Unknown Aromatic					CAS #:		
6.560	854998	49.5719984	8200	99		0	1
Unknown Aromatic					CAS #:		
6.961	320187	18.5641481	3100	99		0	1
Unknown Aromatic					CAS #:		
7.308	364946	21.1592337	3500	99		0	1
Unknown Aromatic					CAS #:		
7.431	482148	27.9544980	4600	99		0	1
Unknown Aromatic					CAS #:		
7.821	400365	23.2127948	3800	99		0	1
Unknown Aromatic					CAS #:		
8.249	185225	7.36609983	1200	99		0	2
Unknown Aromatic					CAS #:		
8.302	232210	9.23461759	1500	99		0	2
Unknown Aromatic					CAS #:		
8.719	364162	14.4821360	2400	99		0	2
Unknown Aromatic					CAS #:		
9.274	334511	13.3029635	2200	99		0	2
Unknown Aromatic					CAS #:		
9.755	200966	7.99209404	1300	99		0	2

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aromatic					CAS #:		
9.969	234871	9.34044127	1600	99		0	2
Unknown Aromatic					CAS #:		
10.129	250017	9.94277475	1600	99		0	2
Unknown Aromatic					CAS #:		
10.321	299063	11.8932537	2000	99		0	2
Unknown Hydrocarbon					CAS #:		
10.444	207336	8.24541868	1400	99		0	2
Unknown PAH					CAS #:		
10.791	1758874	69.9475853	12000	99		0	2
Unknown PAH					CAS #:		
11.710	596865	23.5361270	3900	99		0	3
Unknown PAH					CAS #:		
11.849	1548576	61.0648662	10000	99		0	3
Unknown PAH					CAS #:		
12.004	1761608	69.4653390	12000	99		0	3
Unknown PAH					CAS #:		
12.047	826686	32.5986390	5400	99		0	3
Unknown PAH					CAS #:		
12.223	485999	19.1643574	3200	99		0	3
Unknown PAH					CAS #:		
12.383	237226	9.35451275	1600	99		0	3
Unknown PAH					CAS #:		
12.886	384394	15.1577760	2500	99		0	3
Unknown PAH					CAS #:		
13.099	344361	13.5791581	2200	99		0	3
Unknown PAH					CAS #:		
13.169	448298	17.6776970	2900	99		0	3
Unknown PAH					CAS #:		
13.324	258839	10.2067763	1700	99		0	3

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown PAH				CAS #:			
13.366	294836	11.6262430	1900	99		0	3
Unknown PAH				CAS #:			
13.500	547775	21.6003651	3600	99		0	3
Unknown				CAS #:			
28.009	215884	16.2635267	2700	0		0	6

Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

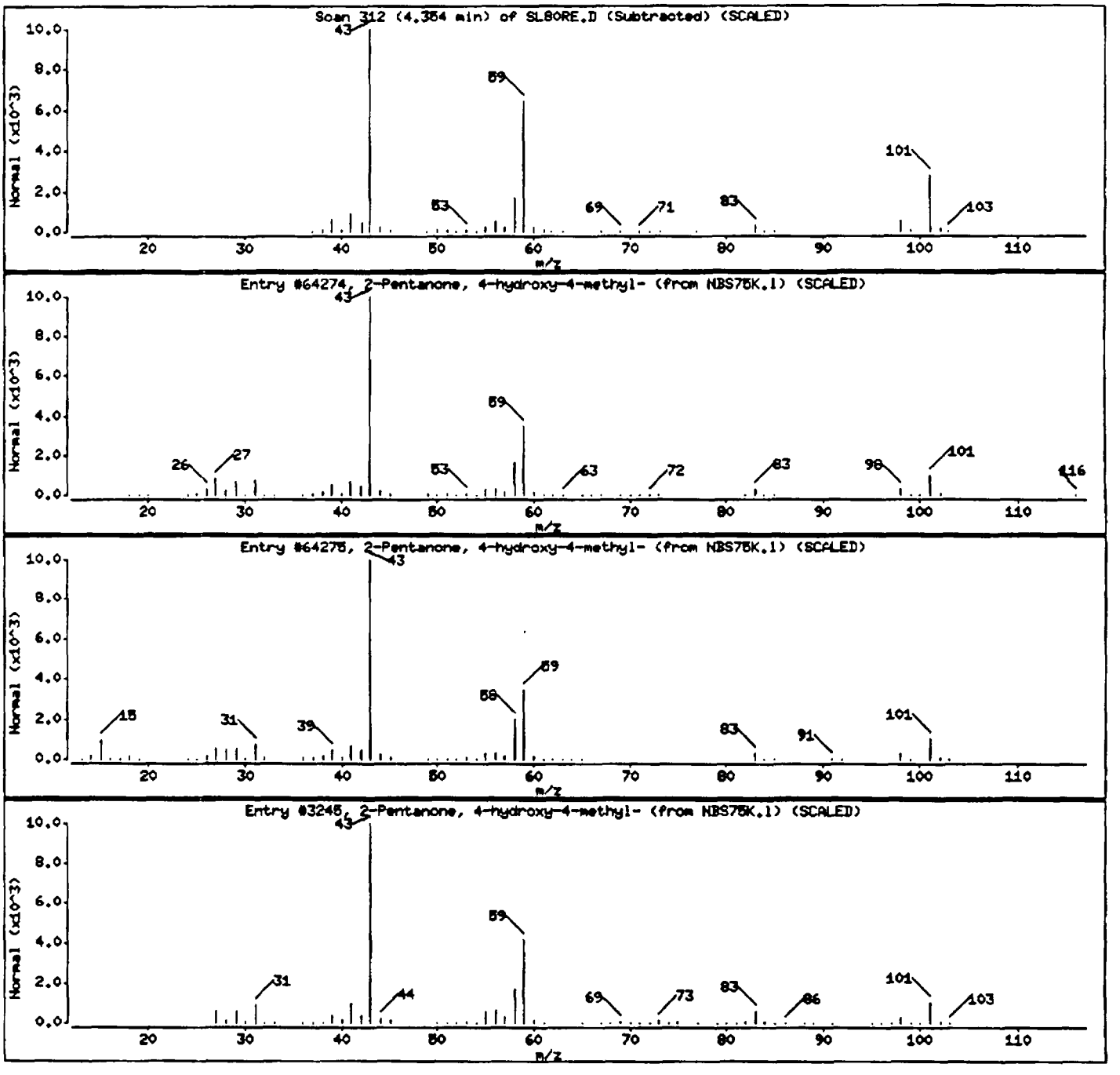
Volume Injected (uL): 2.0

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	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	64275	40	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.l	3245	33	C6H12O2	116



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

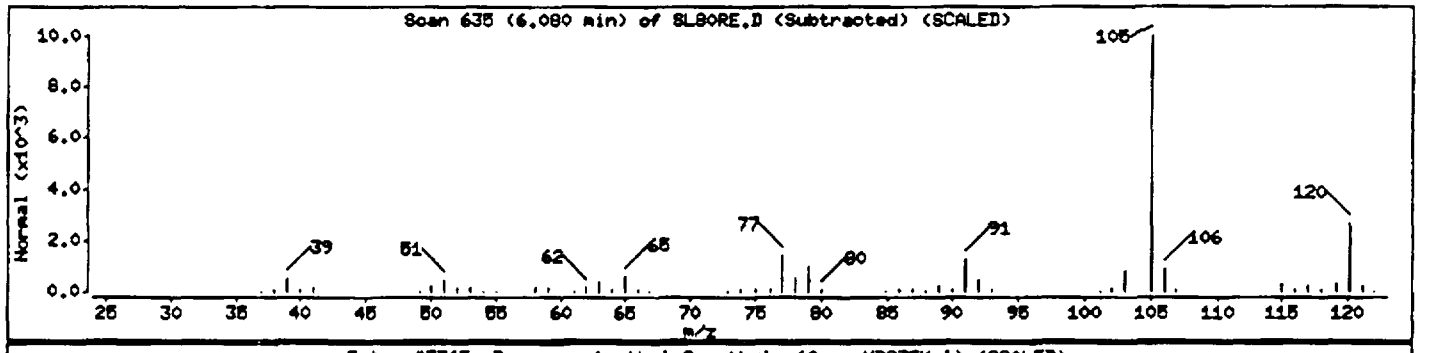
Client ID: SL-80 Instrument: a4hp9.i

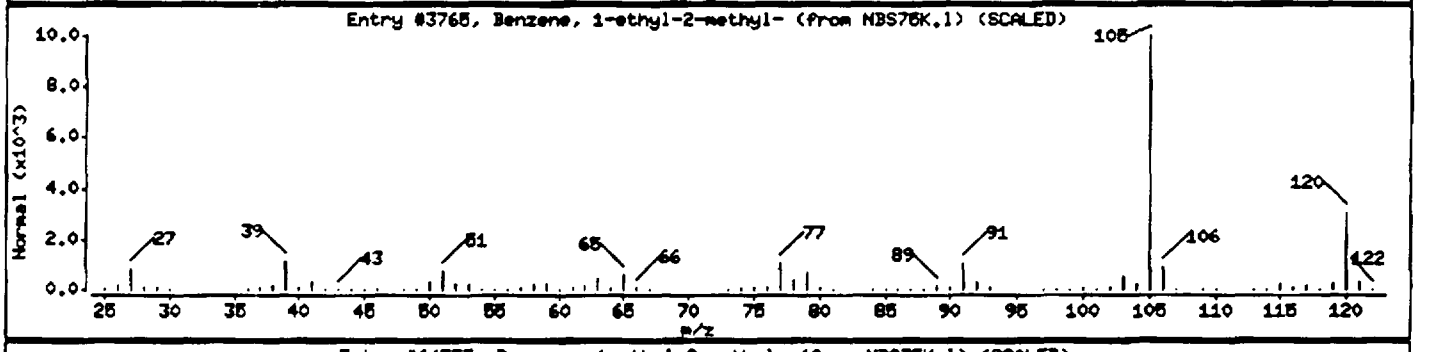
Sample Info: dpdh32ad,01204a.b,olp31,i-olp90,sub

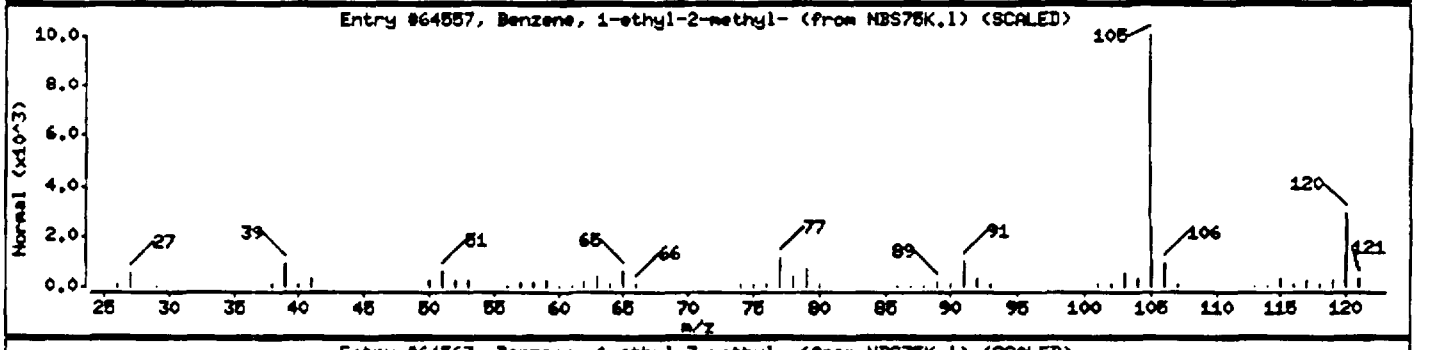
Volume Injected (uL): 2.0 Operator: 001574

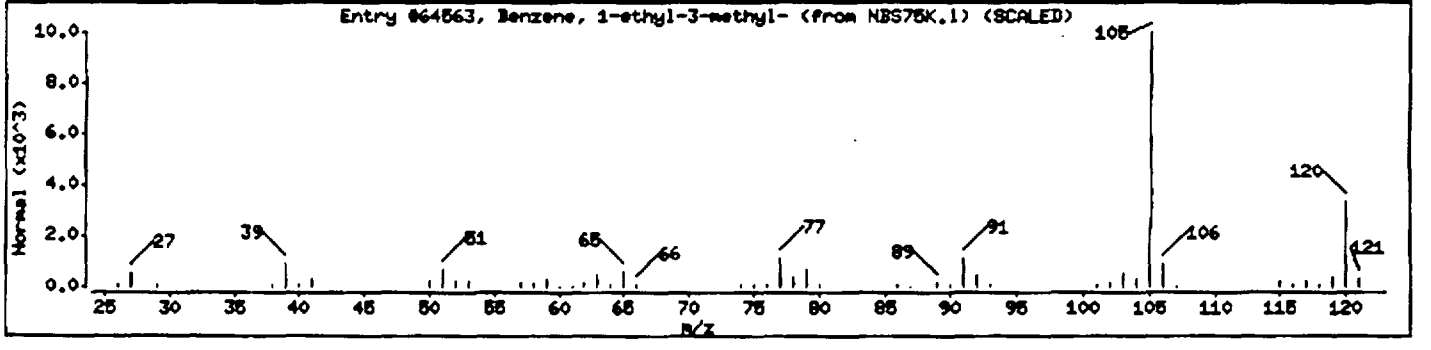
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	3765	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64557	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	64563	94	C9H12	120









Data File: \\qcanon05\dd\chem\HSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,clp31,1-clp90,sub

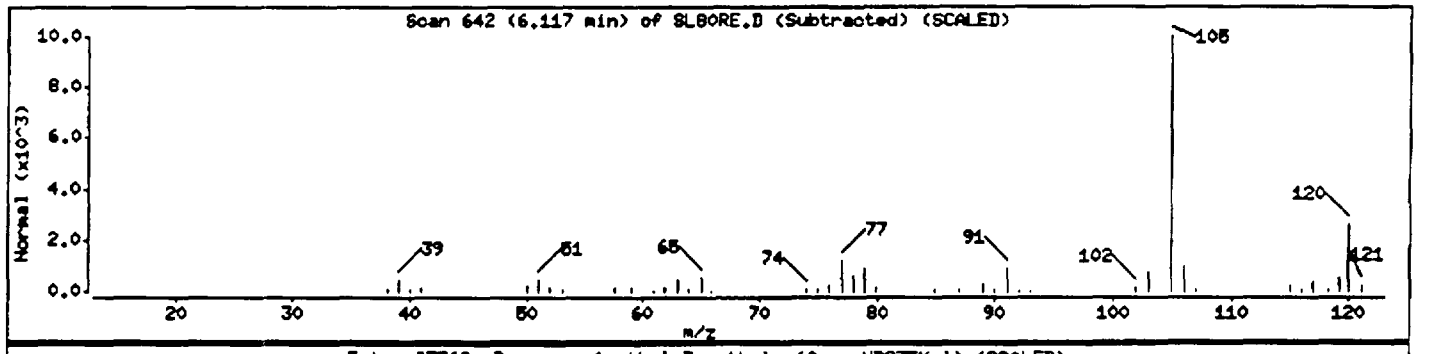
Volume Injected (uL): 2.0

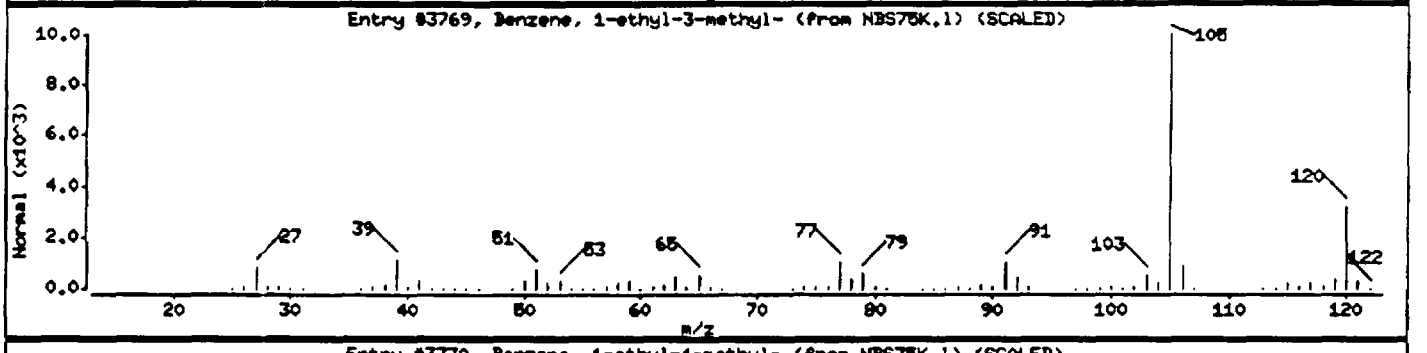
Operator: 001574

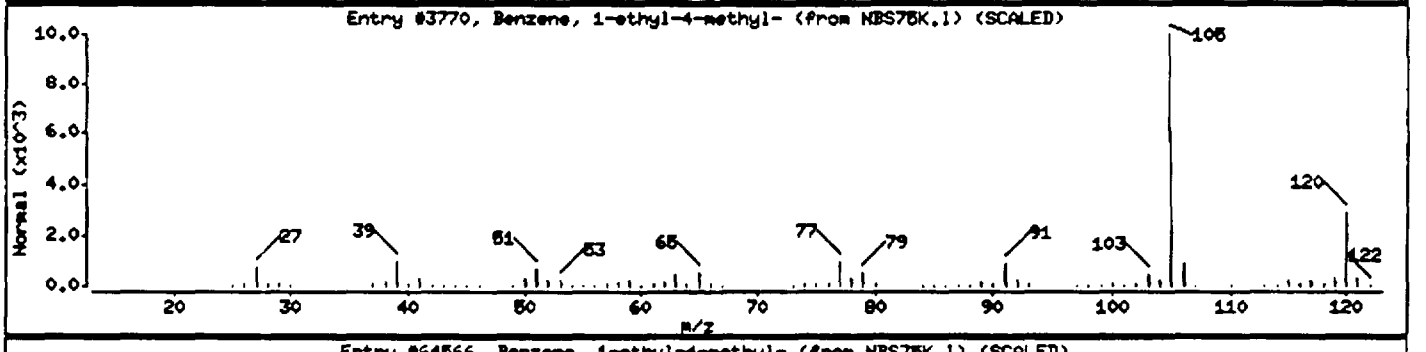
Column phase:

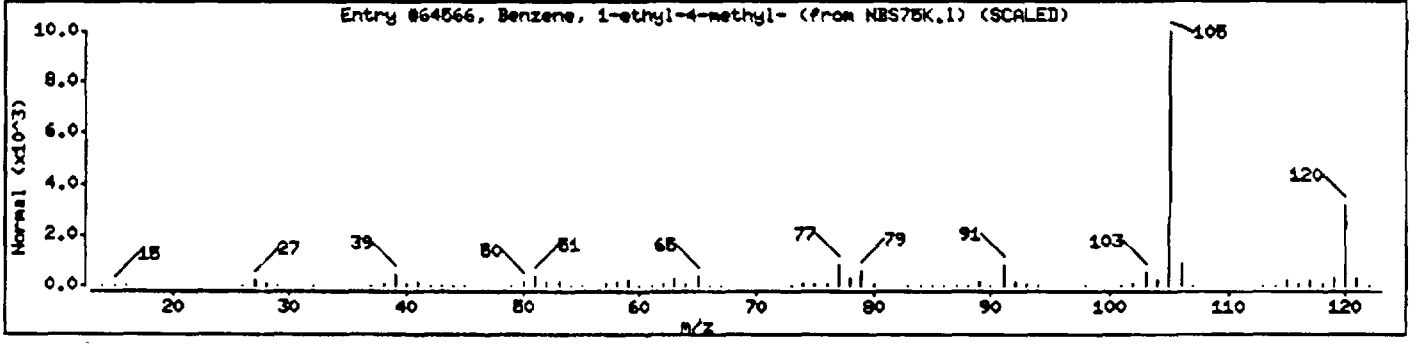
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.l	3769	91	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	3770	91	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.l	64566	91	C9H12	120









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

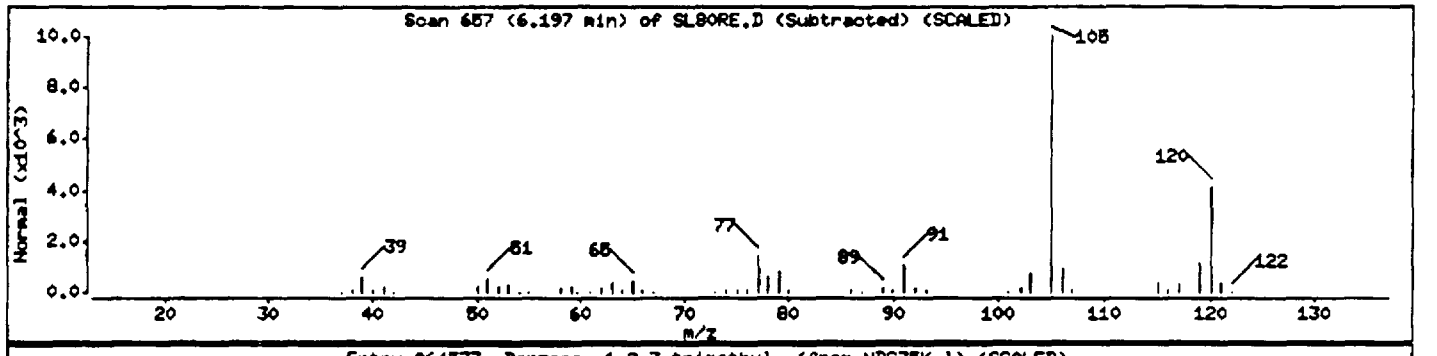
Volume Injected (uL): 2.0

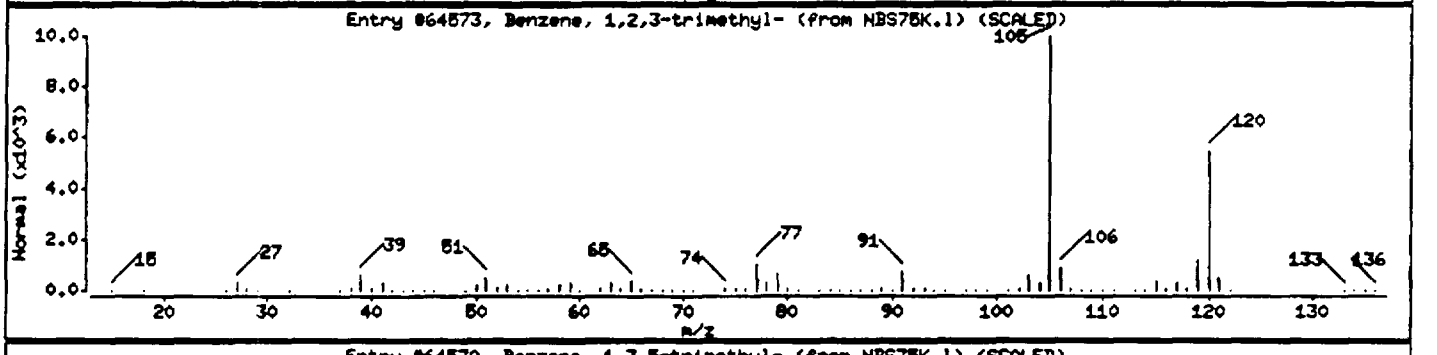
Operator: 001574

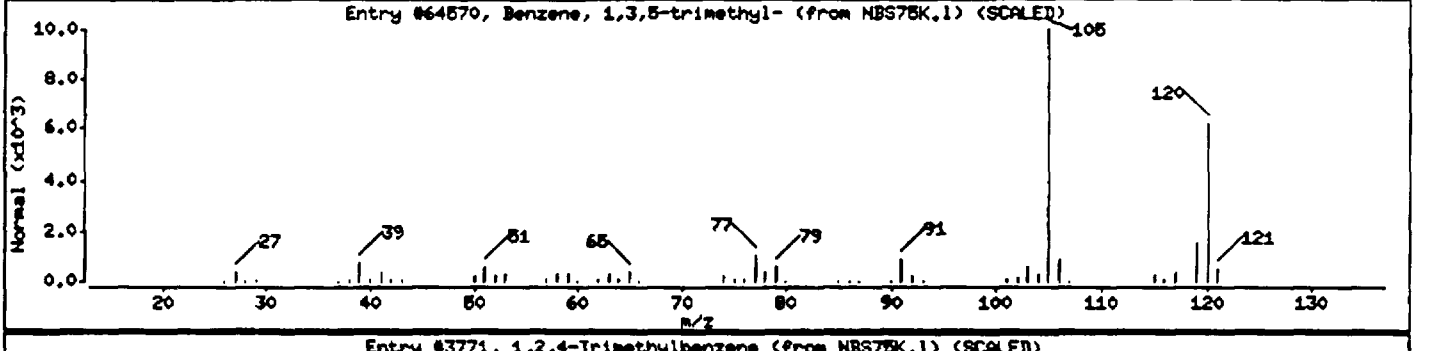
Column phase:

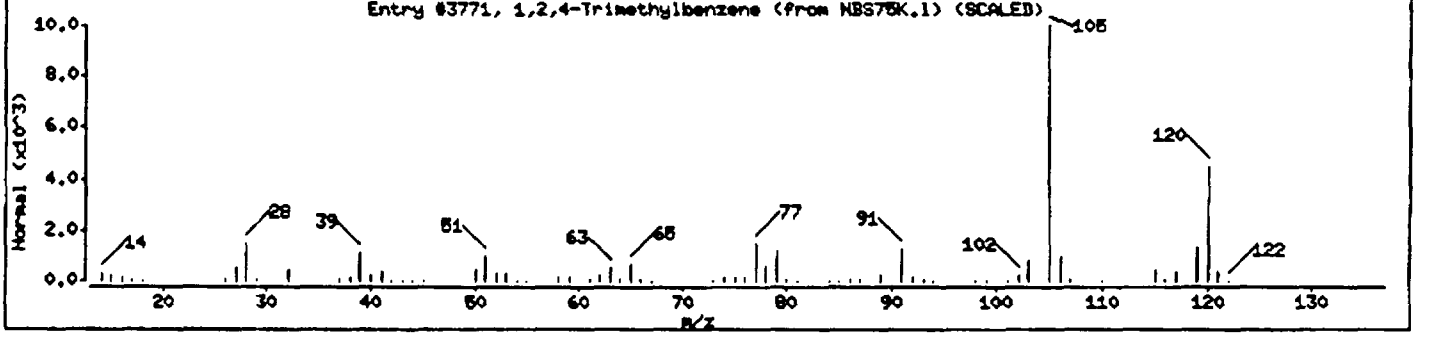
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64573	94	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.l	64570	94	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.l	3771	94	C9H12	120









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,clp31,1-clp90.sub

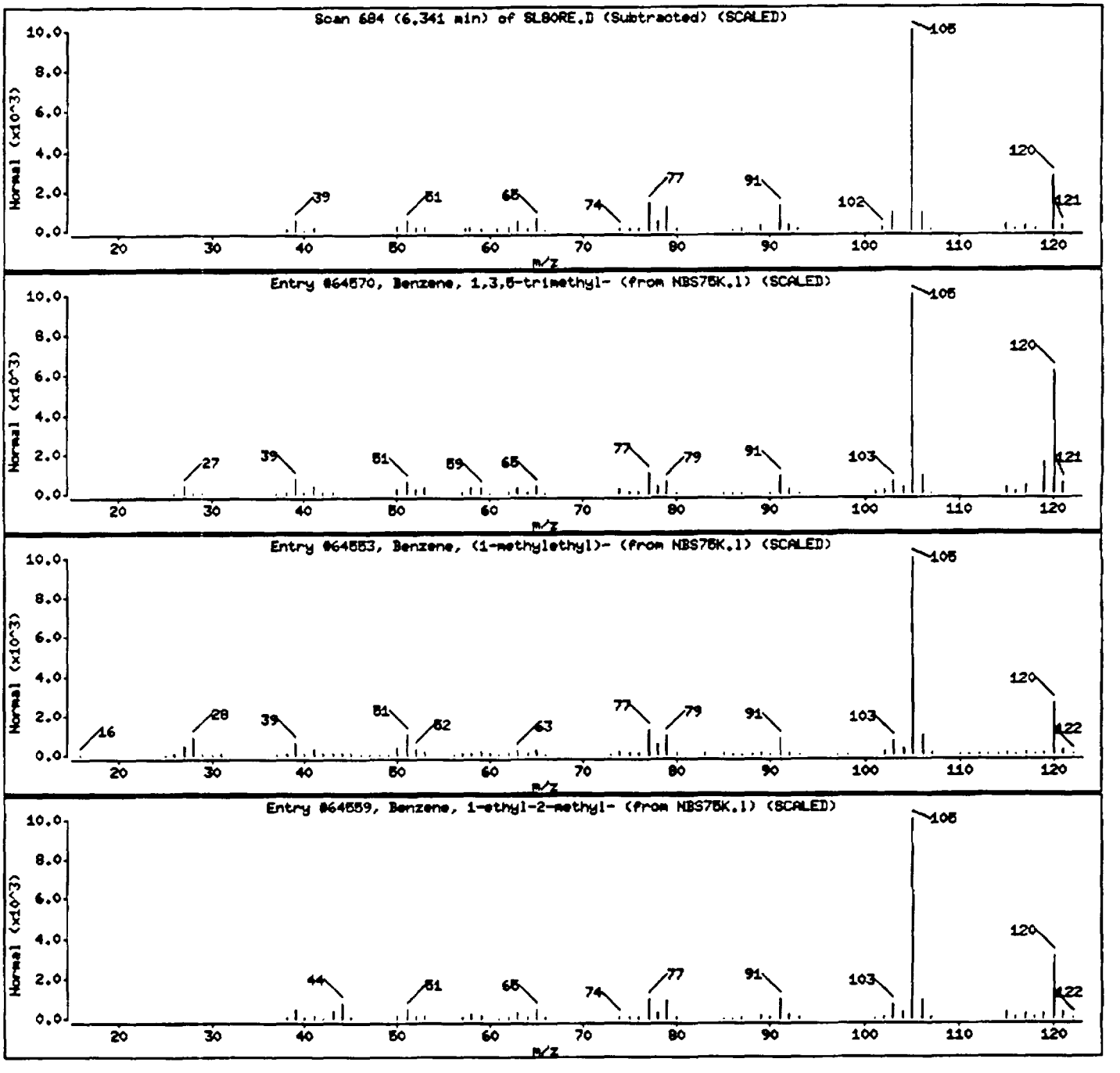
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.1	64570	91	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.1	64553	91	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.1	64559	91	C9H12	120



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,clp31,1-clp90.sub

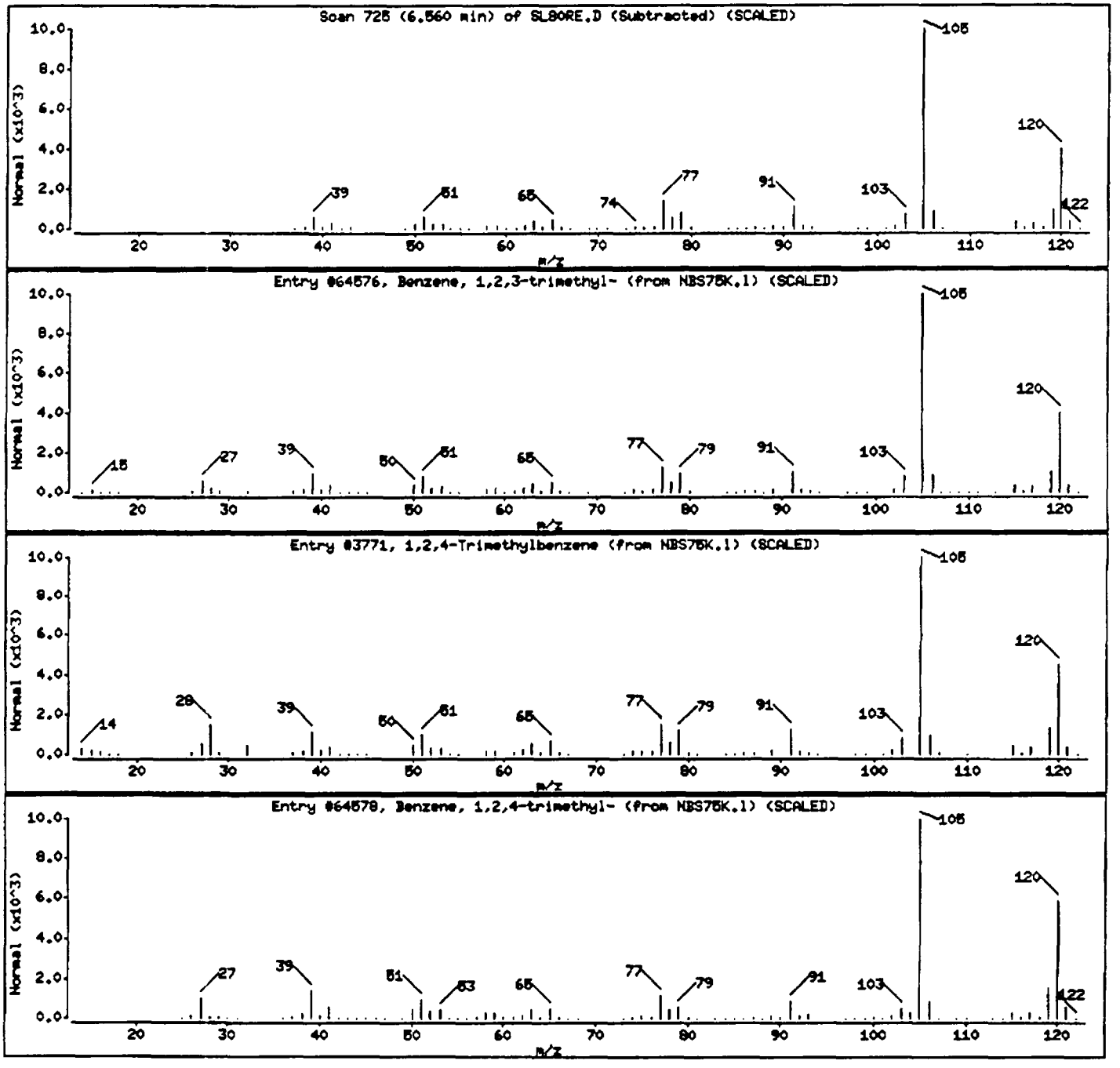
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.1	64576	95	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.1	3771	94	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.1	64578	91	C9H12	120



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpch32ad,01204a.b,clp31,i-clp90.sub

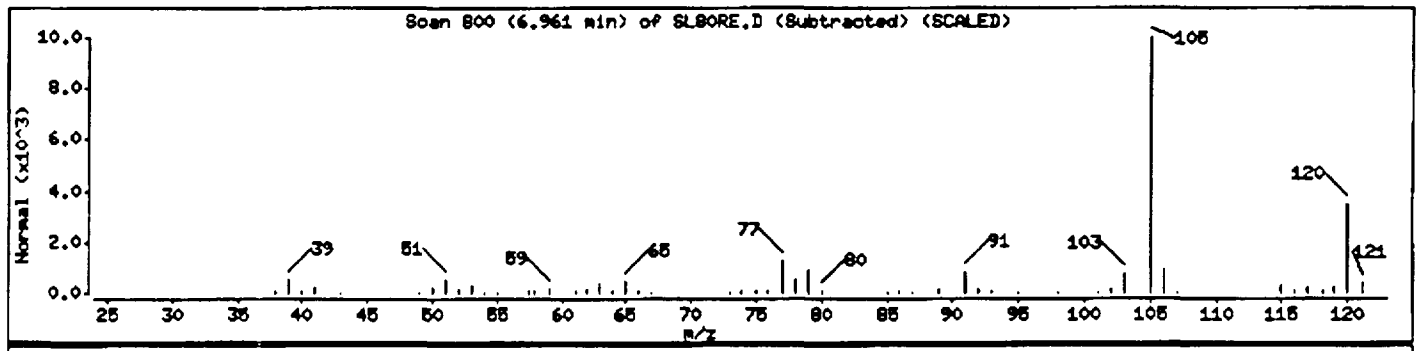
Volume Injected (uL): 2.0

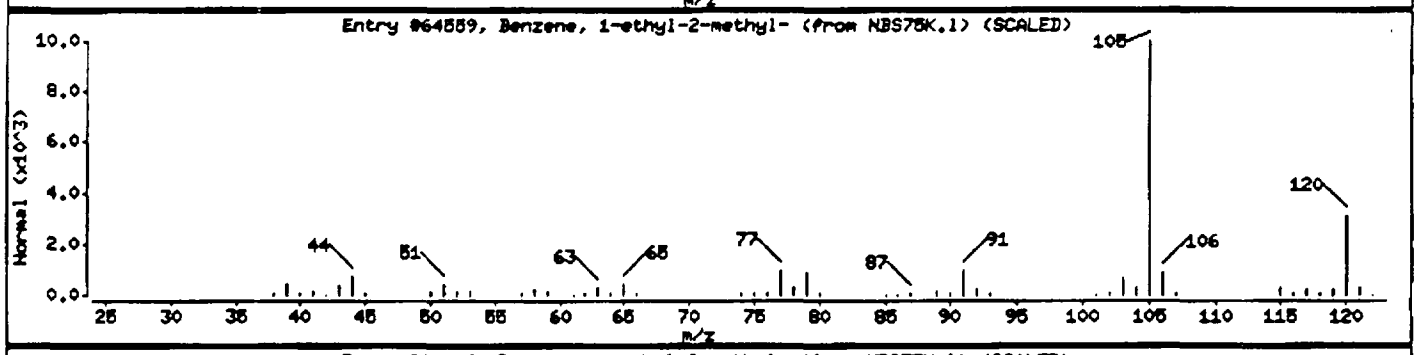
Operator: 001574

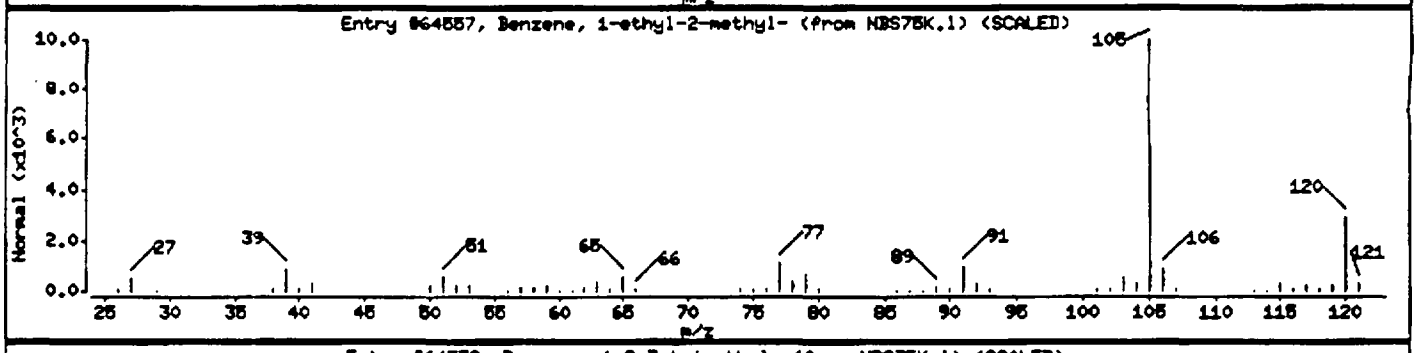
Column phase:

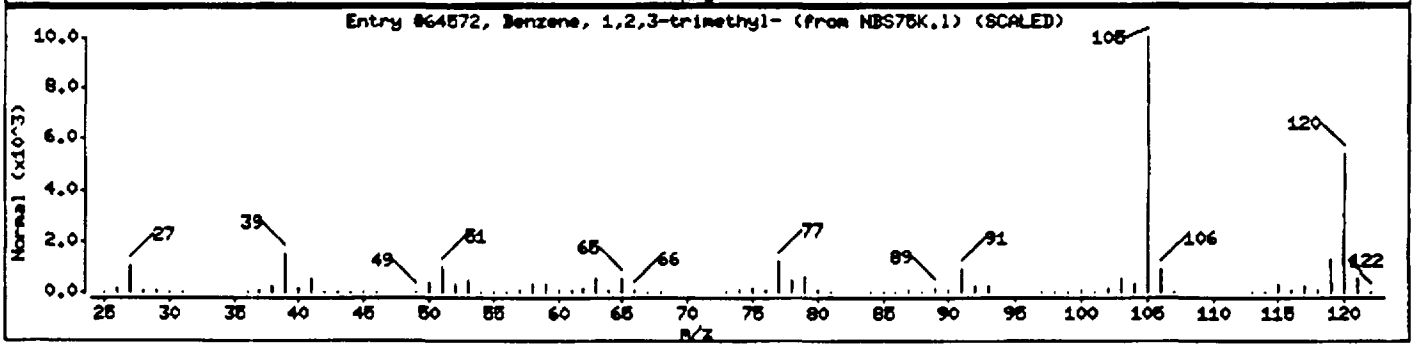
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64559	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.l	64557	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.l	64572	91	C9H12	120









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

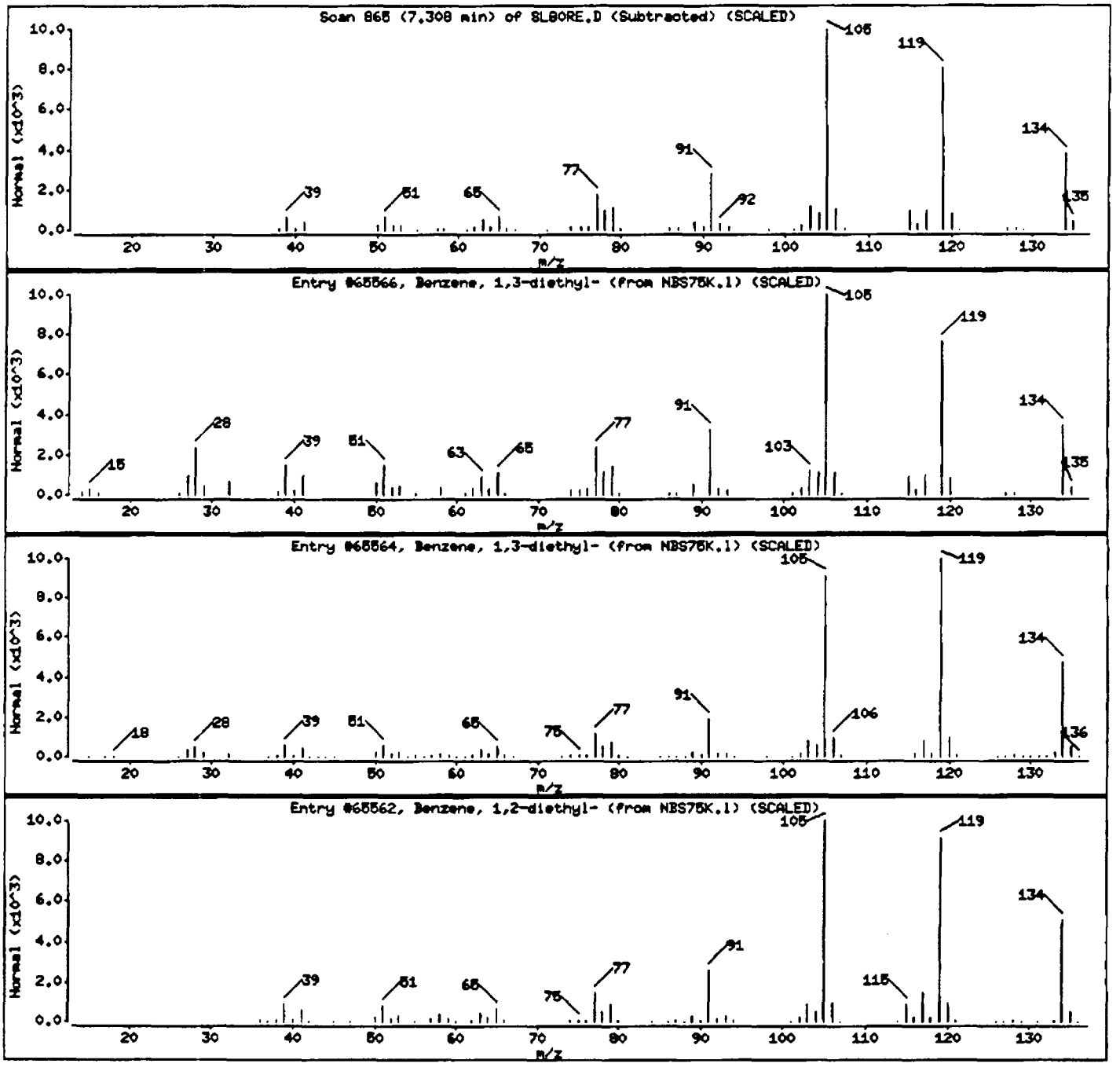
Client ID: SL-80 Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.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 Aromatic						
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65566	94	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65564	94	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	94	C10H14	134



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,i-olp90.sub

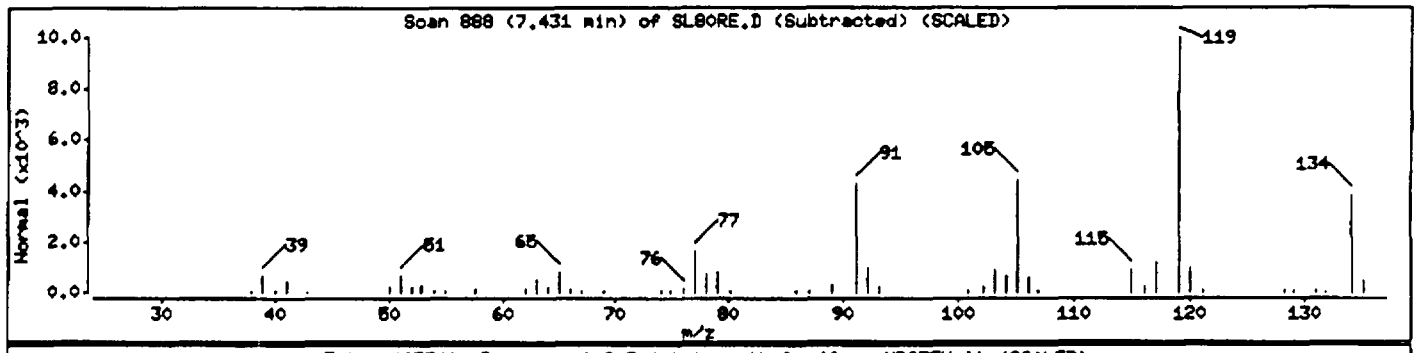
Volume Injected (uL): 2.0

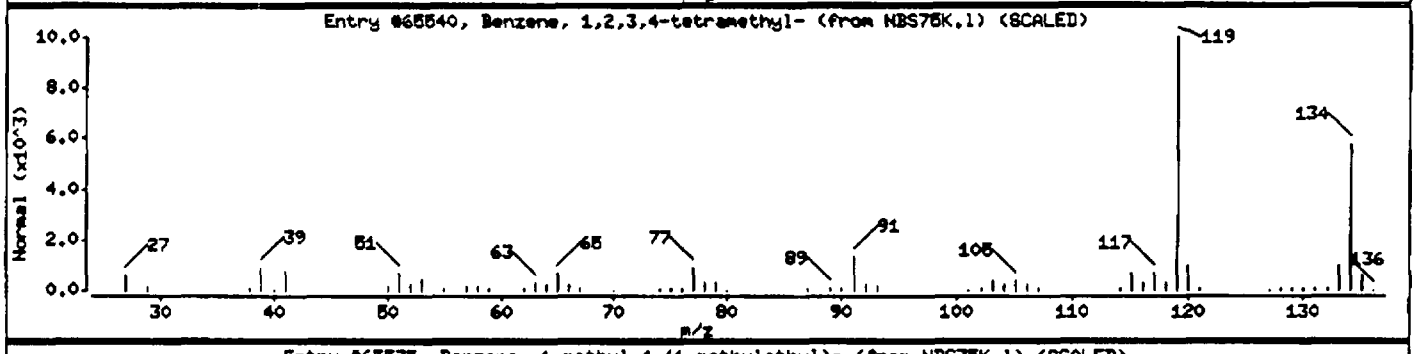
Operator: 001574

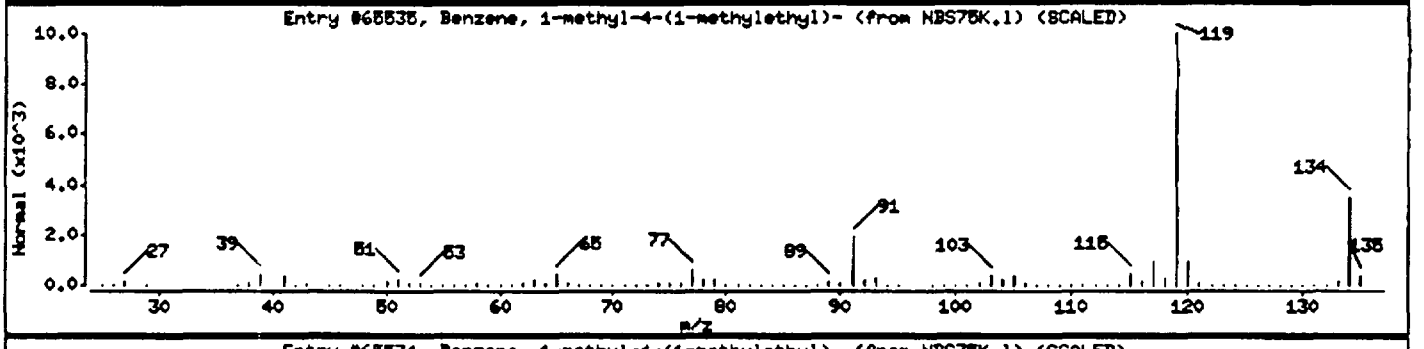
Column phase:

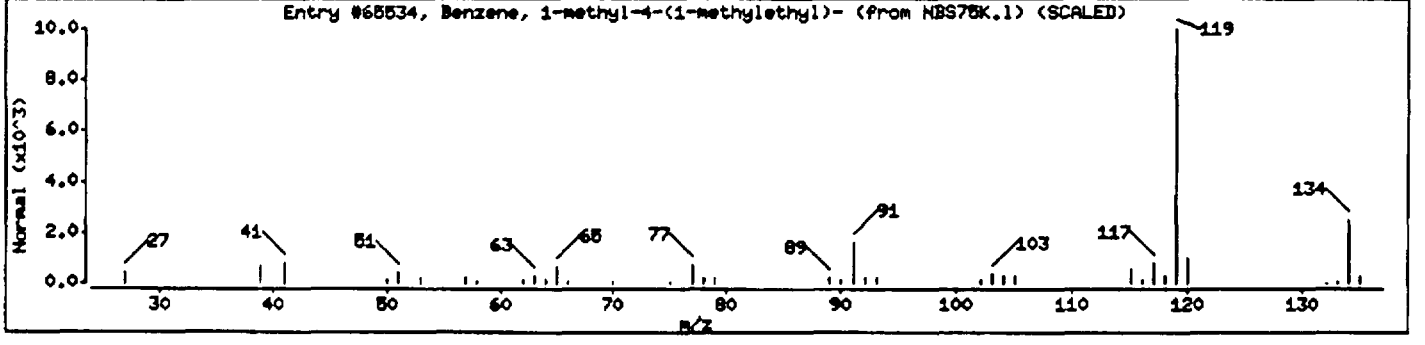
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.1	65540	94	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.1	65535	93	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.1	65534	93	C10H14	134









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90,sub

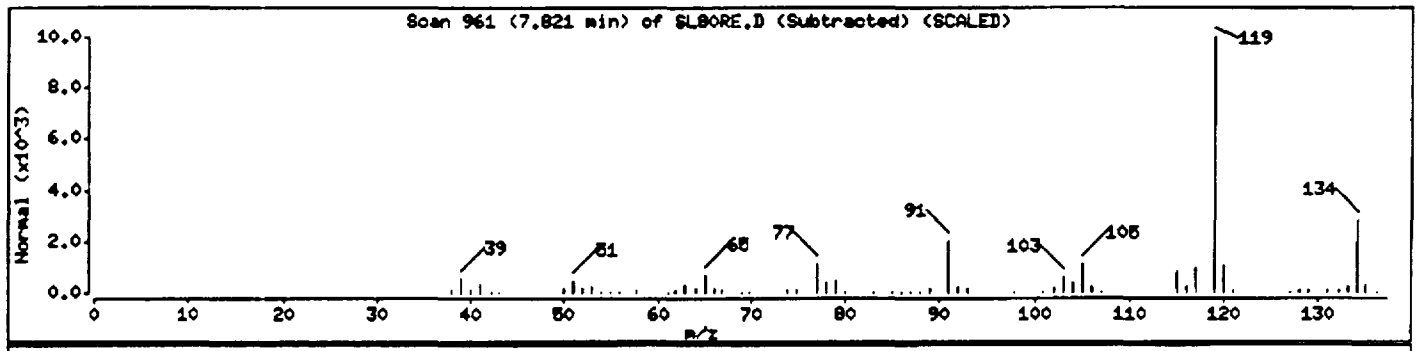
Volume Injected (uL): 2.0

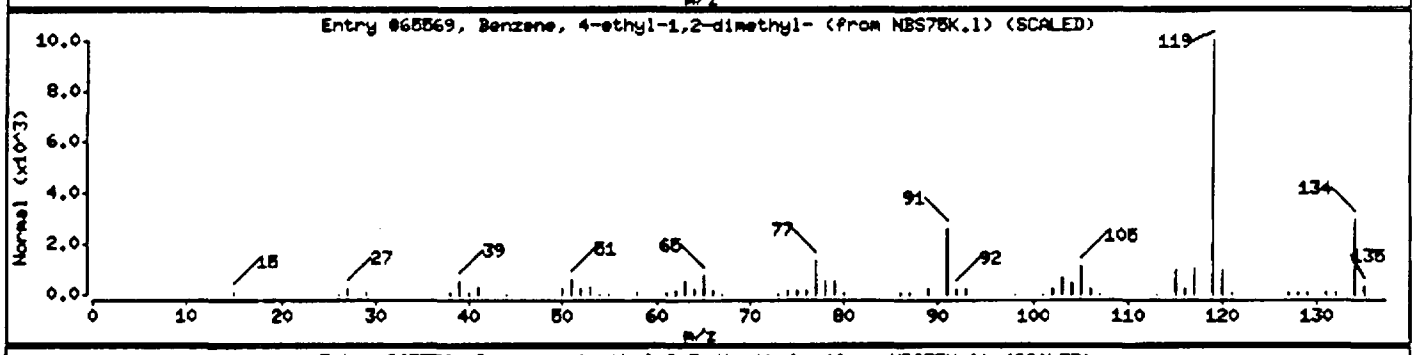
Operator: 001574

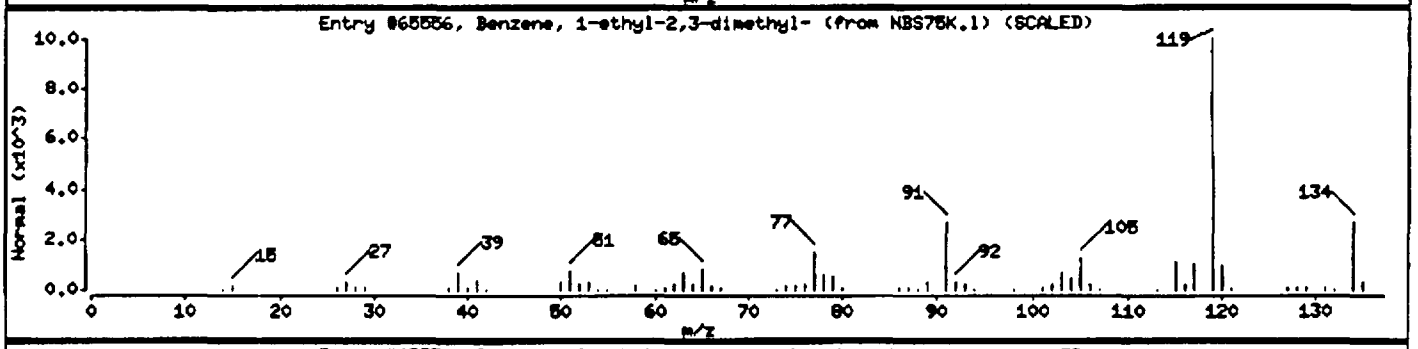
Column phase:

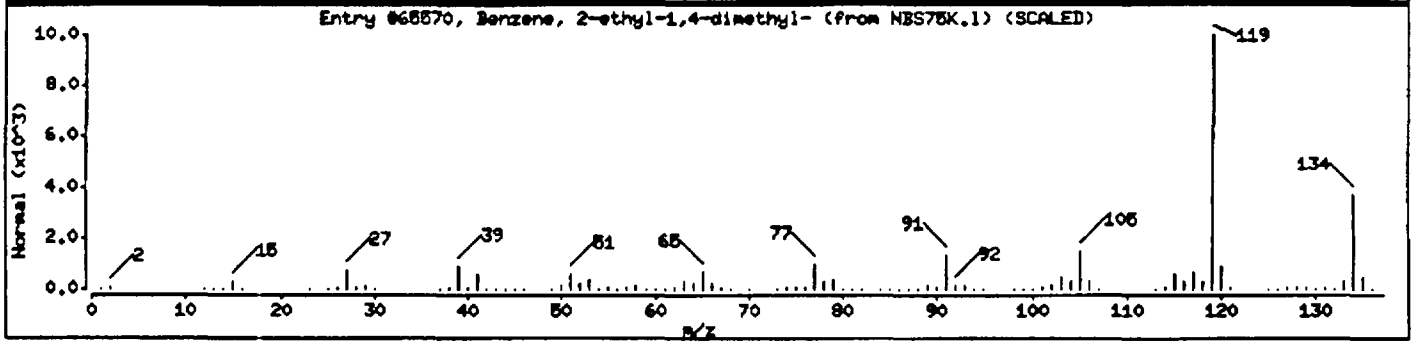
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	65556	95	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.l	65570	94	C10H14	134









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,i-olp90.sub

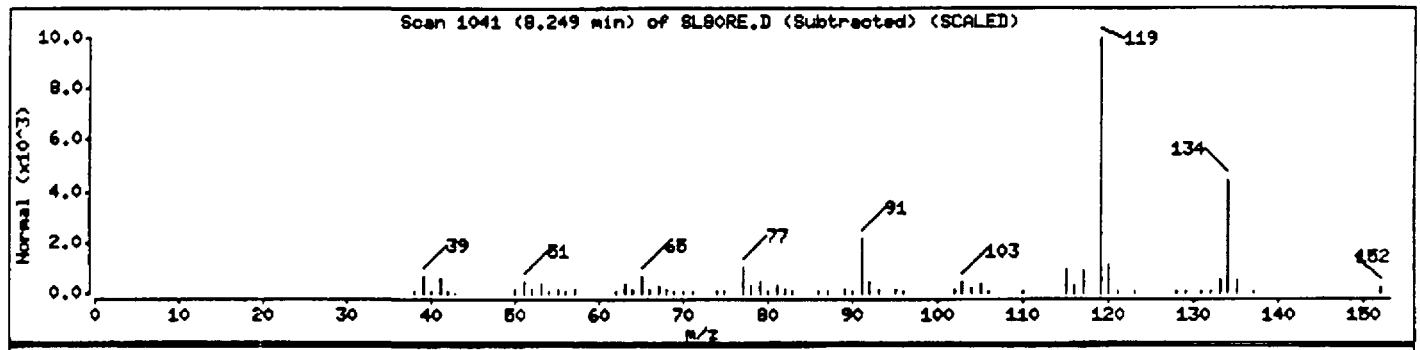
Volume Injected (uL): 2.0

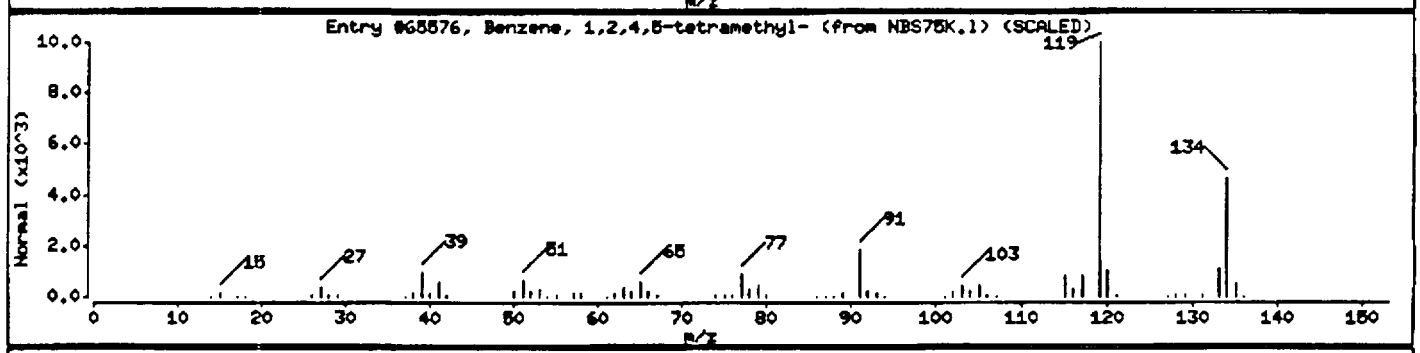
Operator: 001574

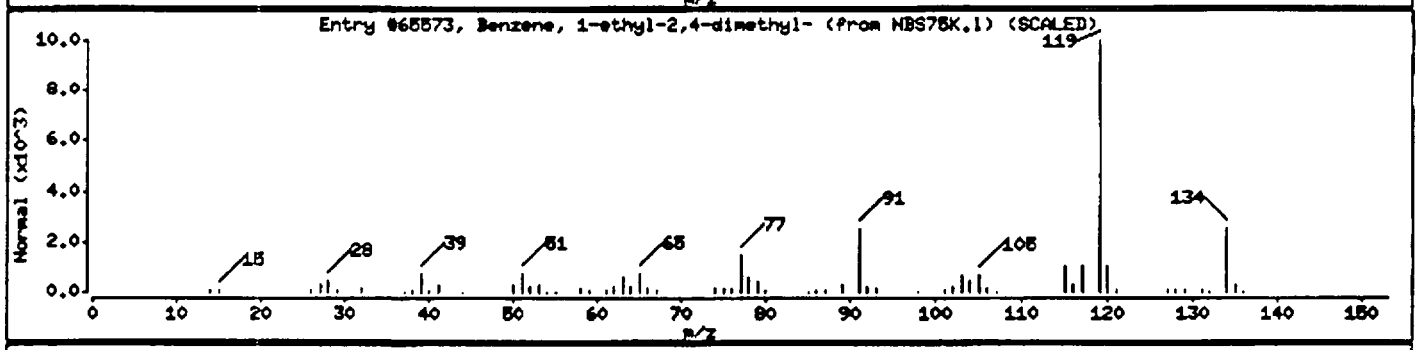
Column phase:

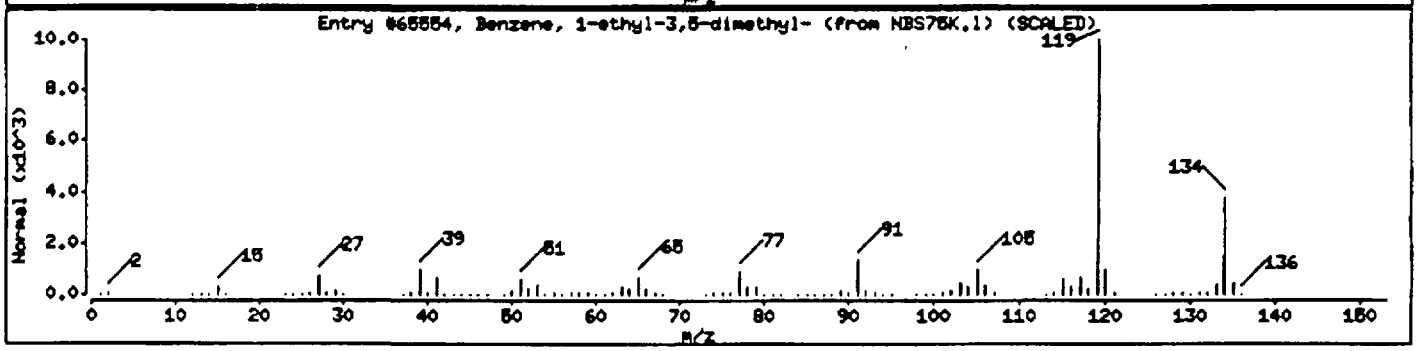
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	93	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65573	91	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.l	65554	91	C10H14	134









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.1

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

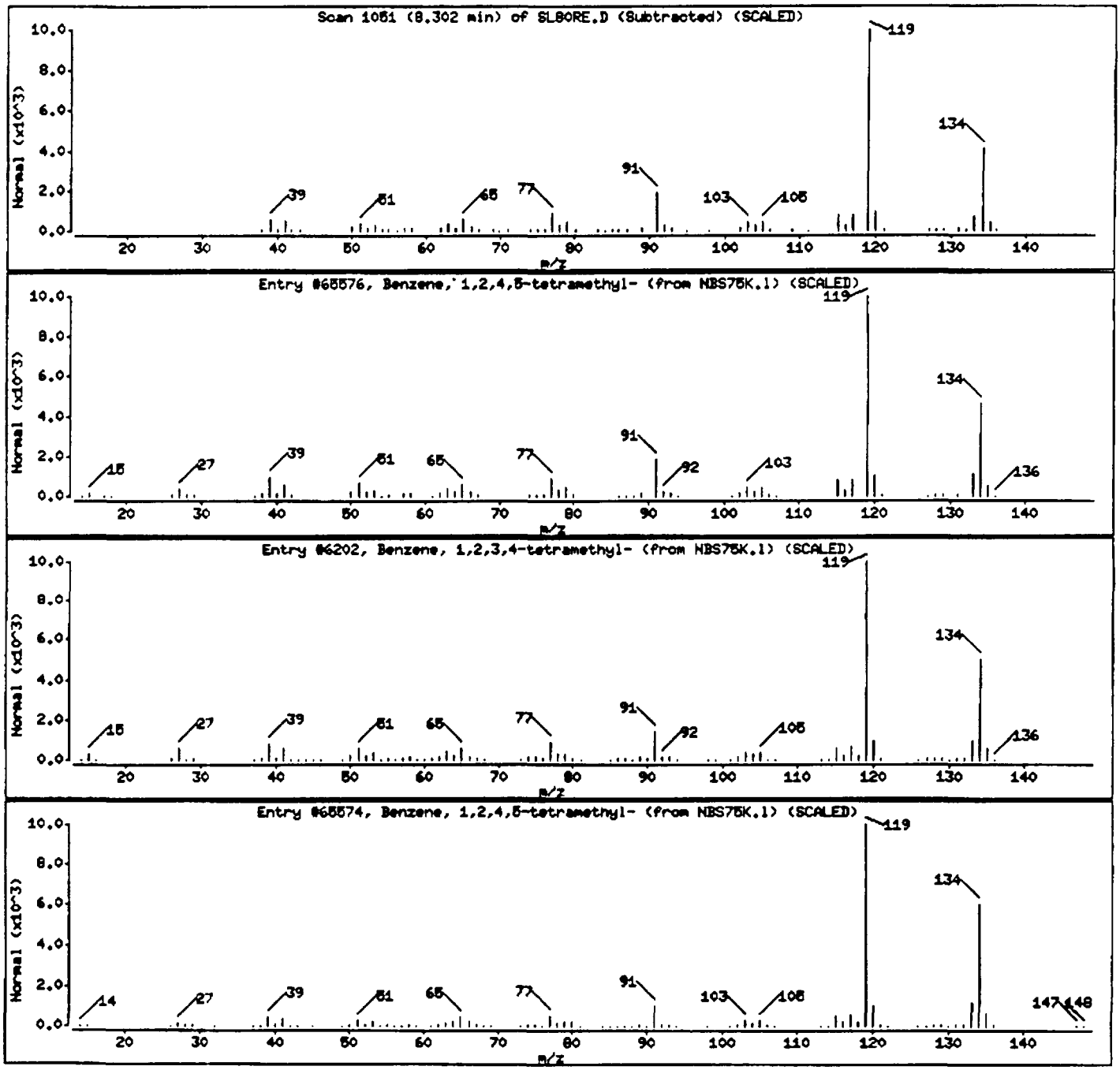
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.1	65576	95	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.1	6202	94	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.1	65574	94	C10H14	134



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90,sub

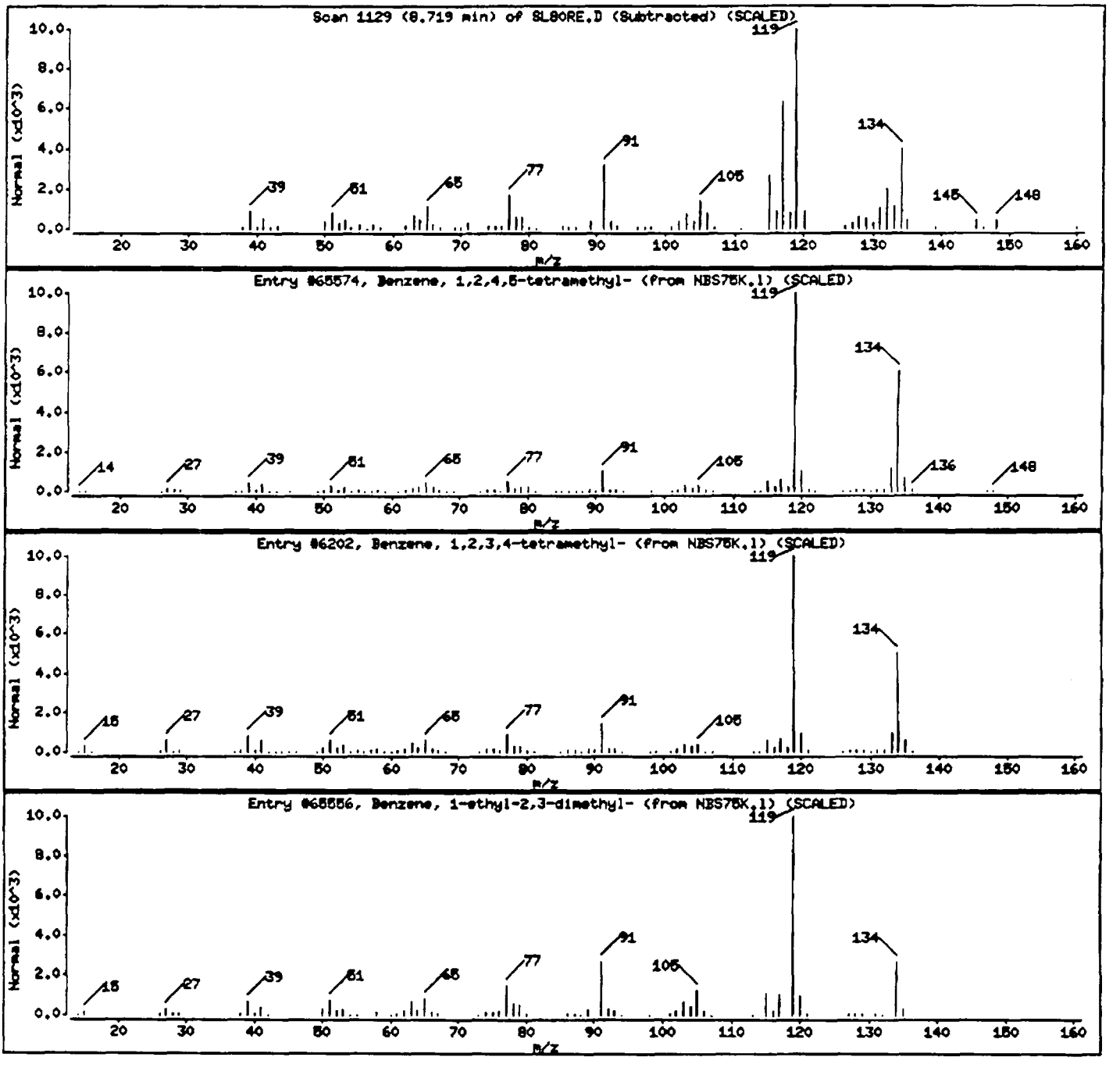
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65574	64	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	6202	64	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	65556	64	C10H14	134



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,i-olp90.sub

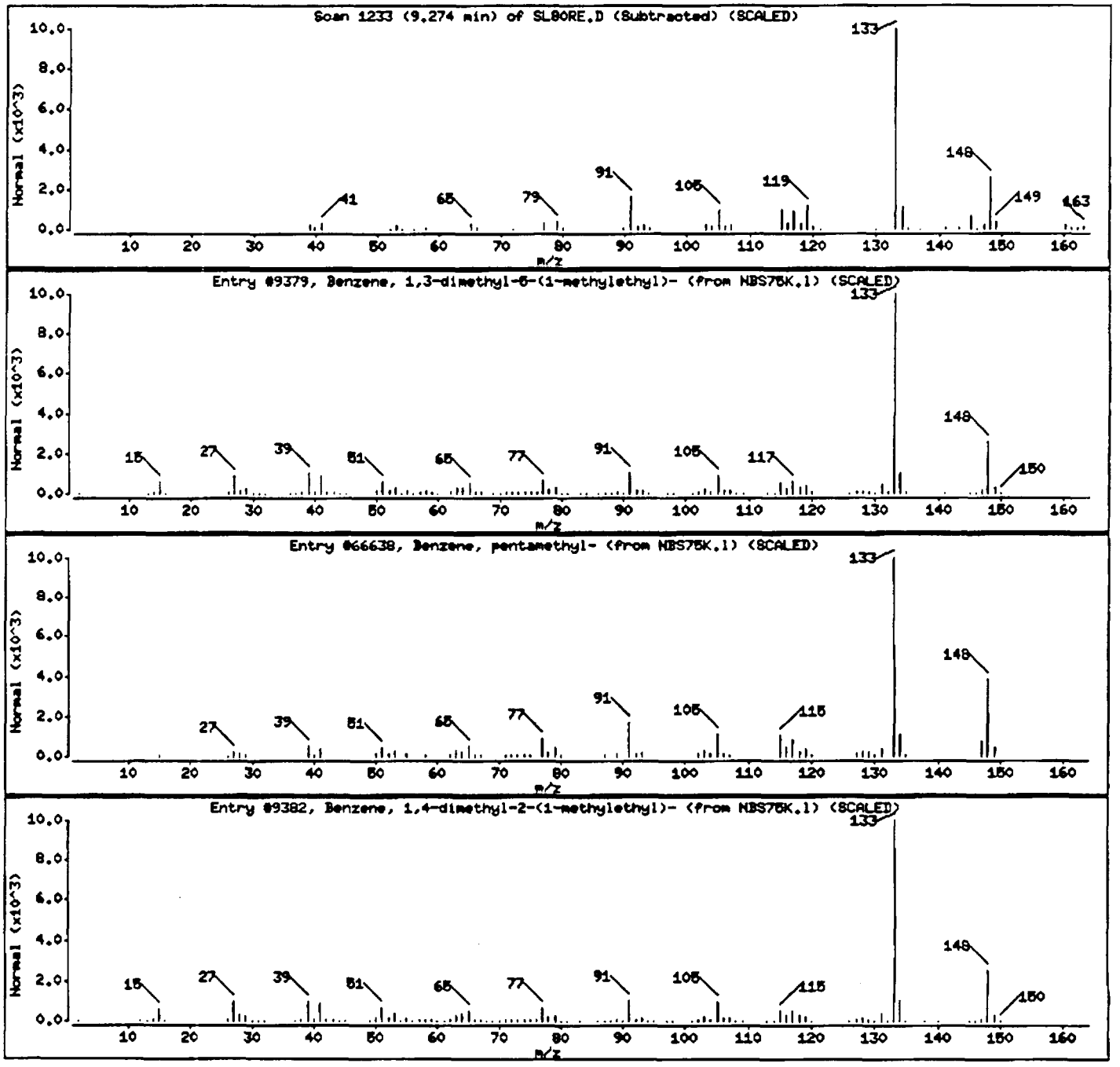
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NBS75K.l	9379	93	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66638	90	C11H16	148
Benzene, 1,4-dimethyl-2-(1-methylethyl)-	4132-72-3	NBS75K.l	9382	90	C11H16	148



Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,i-olp90.sub

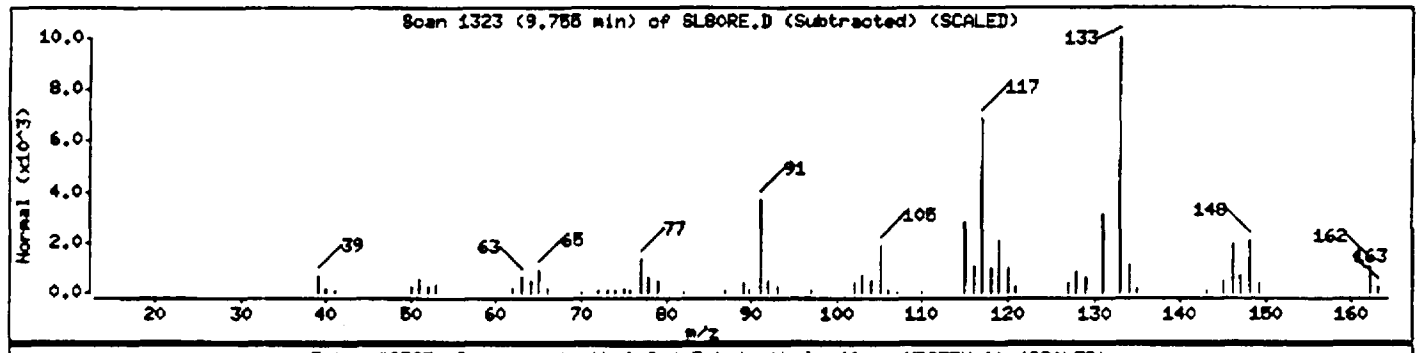
Volume Injected (uL): 2.0

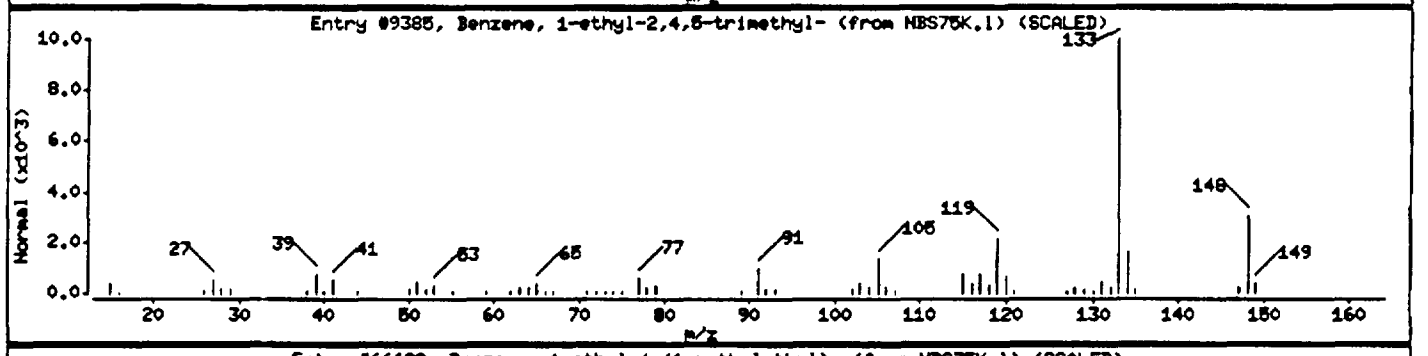
Operator: 001574

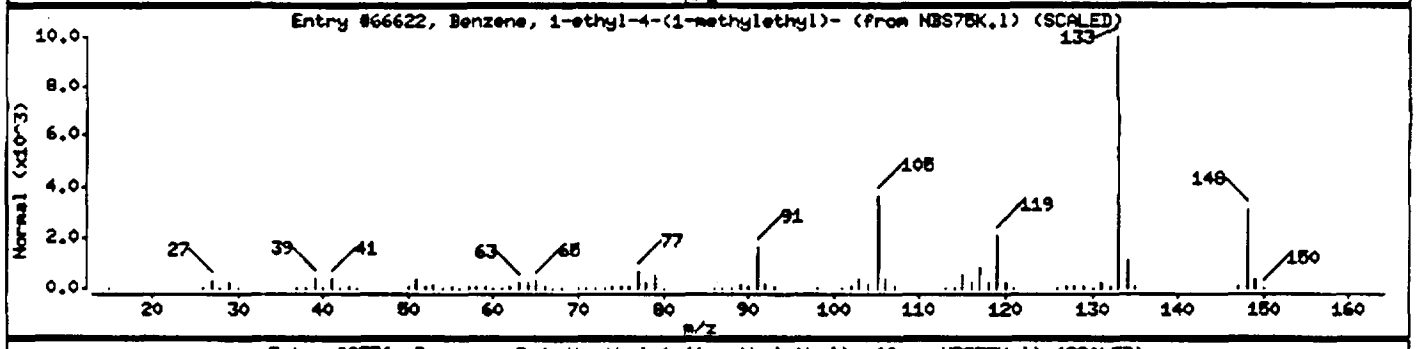
Column phase:

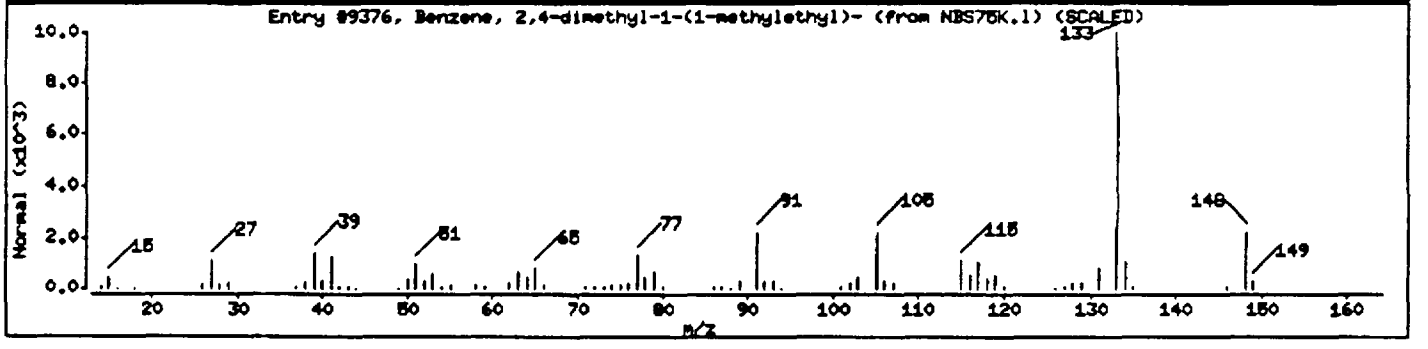
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2,4,5-trimethyl-	17851-27-3	NBS75K.l	9385	49	C11H16	148
Benzene, 1-ethyl-4-(1-methylethyl)-	4218-48-8	NBS75K.l	66622	47	C11H16	148
Benzene, 2,4-dimethyl-1-(1-methylethyl)-	4706-89-2	NBS75K.l	9376	43	C11H16	148









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

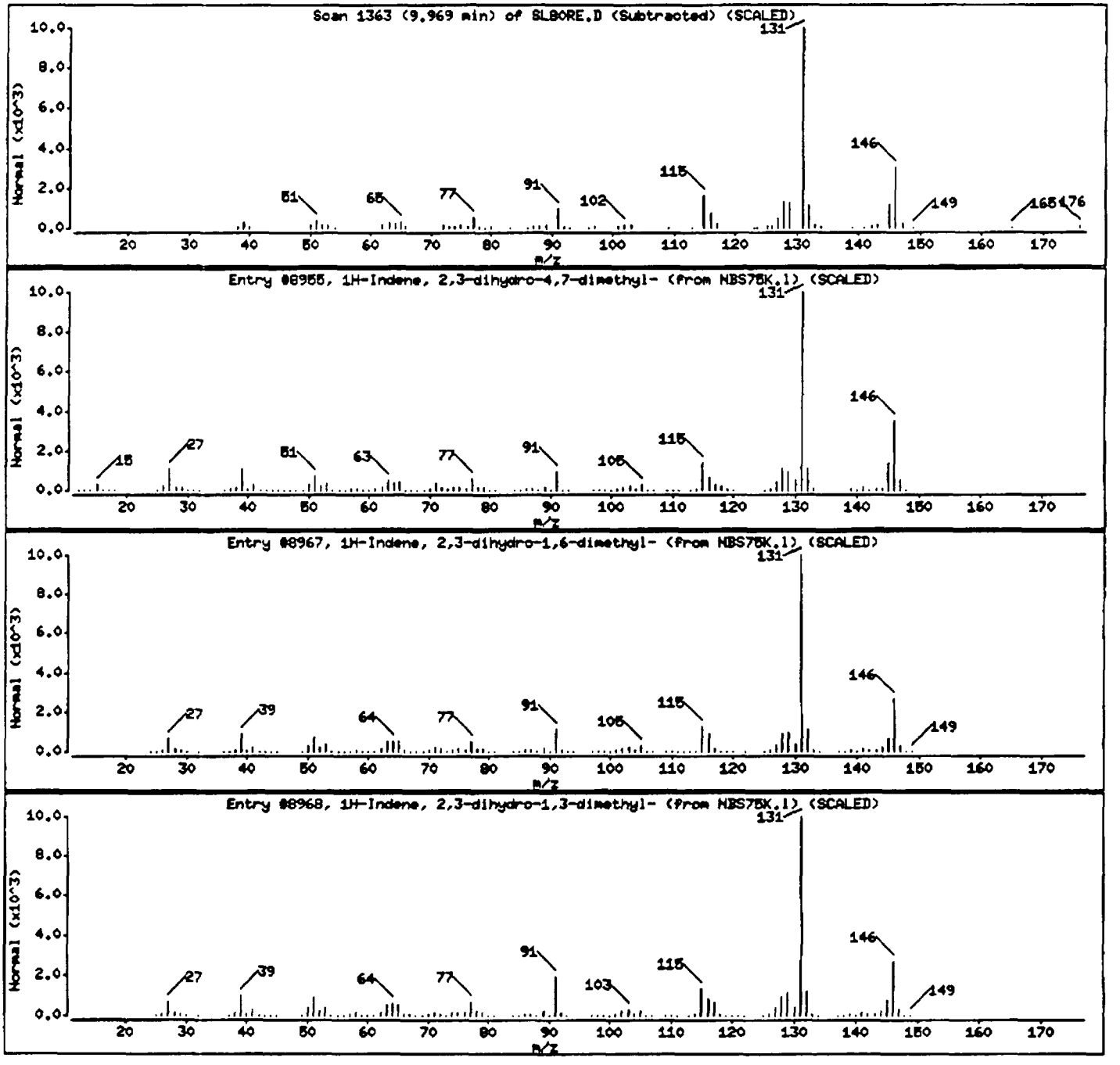
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8966	91	C11H14	146
1H-Indene, 2,3-dihydro-1,6-dimethyl-	17069-48-2	NBS75K.l	8967	91	C11H14	146
1H-Indene, 2,3-dihydro-1,3-dimethyl-	4175-53-5	NBS75K.l	8968	91	C11H14	146



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90,sub

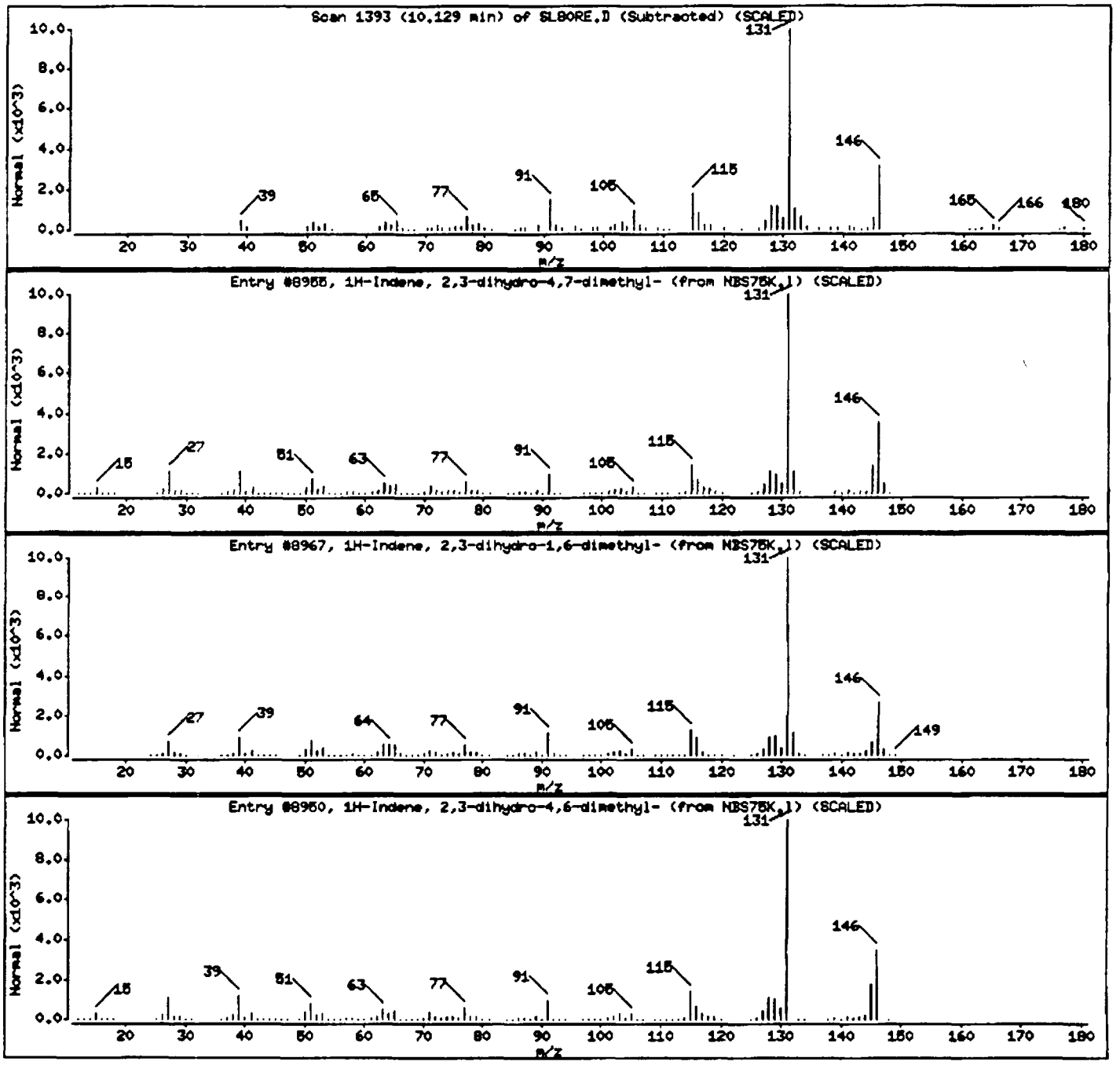
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	93	C11H14	146
1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	NBS75K.l	8967	91	C11H14	146
1H-Indene, 2,3-dihydro-4,6-dimethyl-	1685-82-1	NBS75K.l	8950	87	C11H14	146



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90,sub

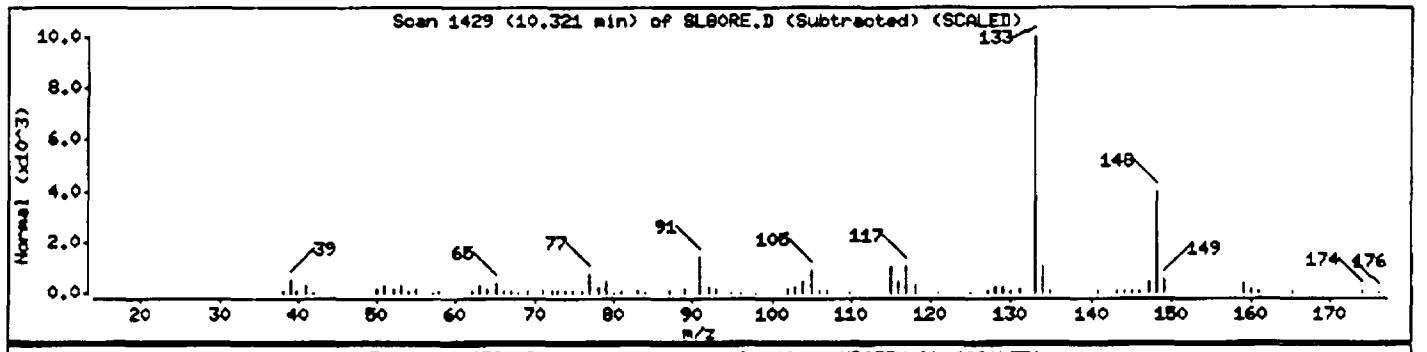
Volume Injected (uL): 2.0

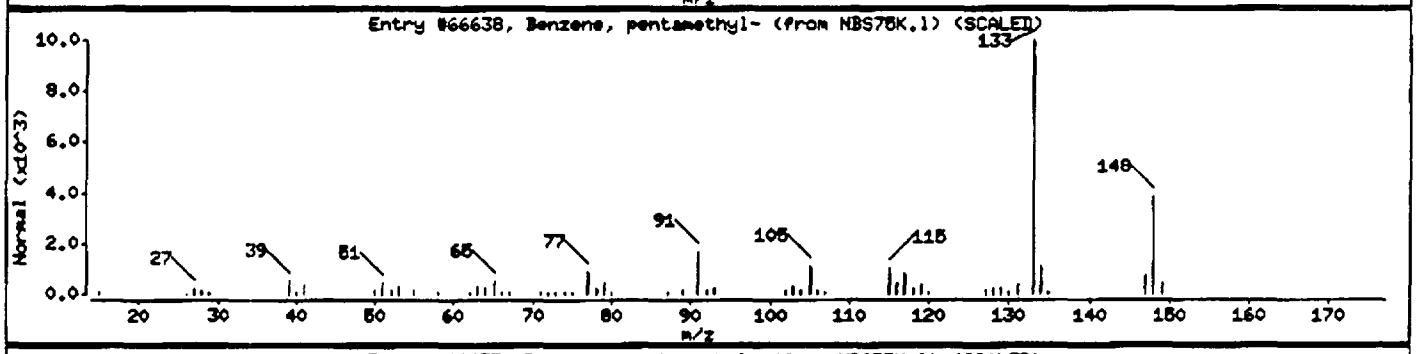
Operator: 001674

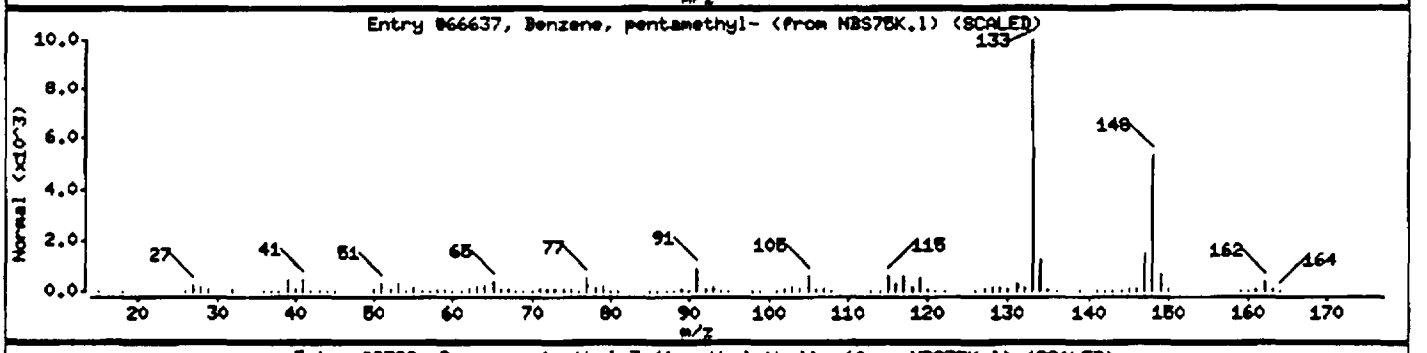
Column phase:

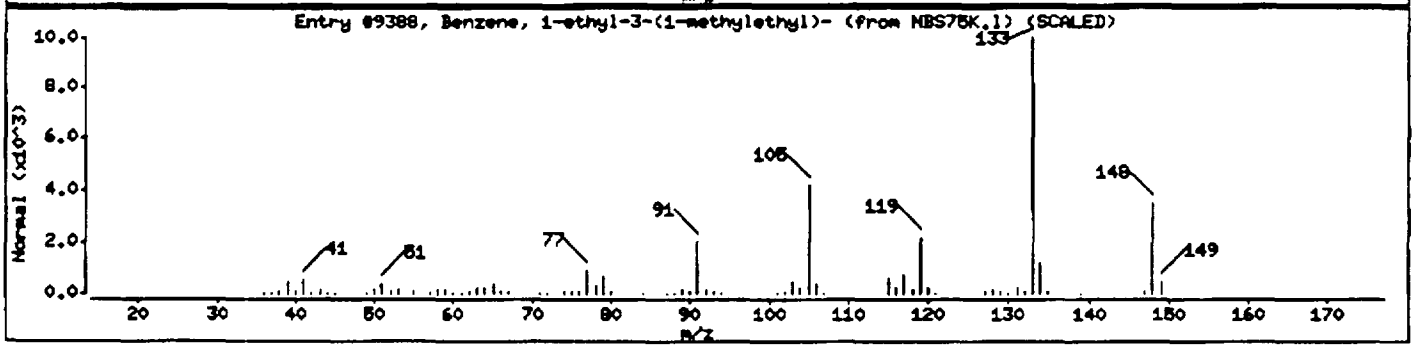
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, pentamethyl-	700-12-9	NBS75K.1	66638	90	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.1	66637	87	C11H16	148
Benzene, 1-ethyl-3-(1-methylethyl)-	4920-99-4	NBS75K.1	9388	86	C11H16	148









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

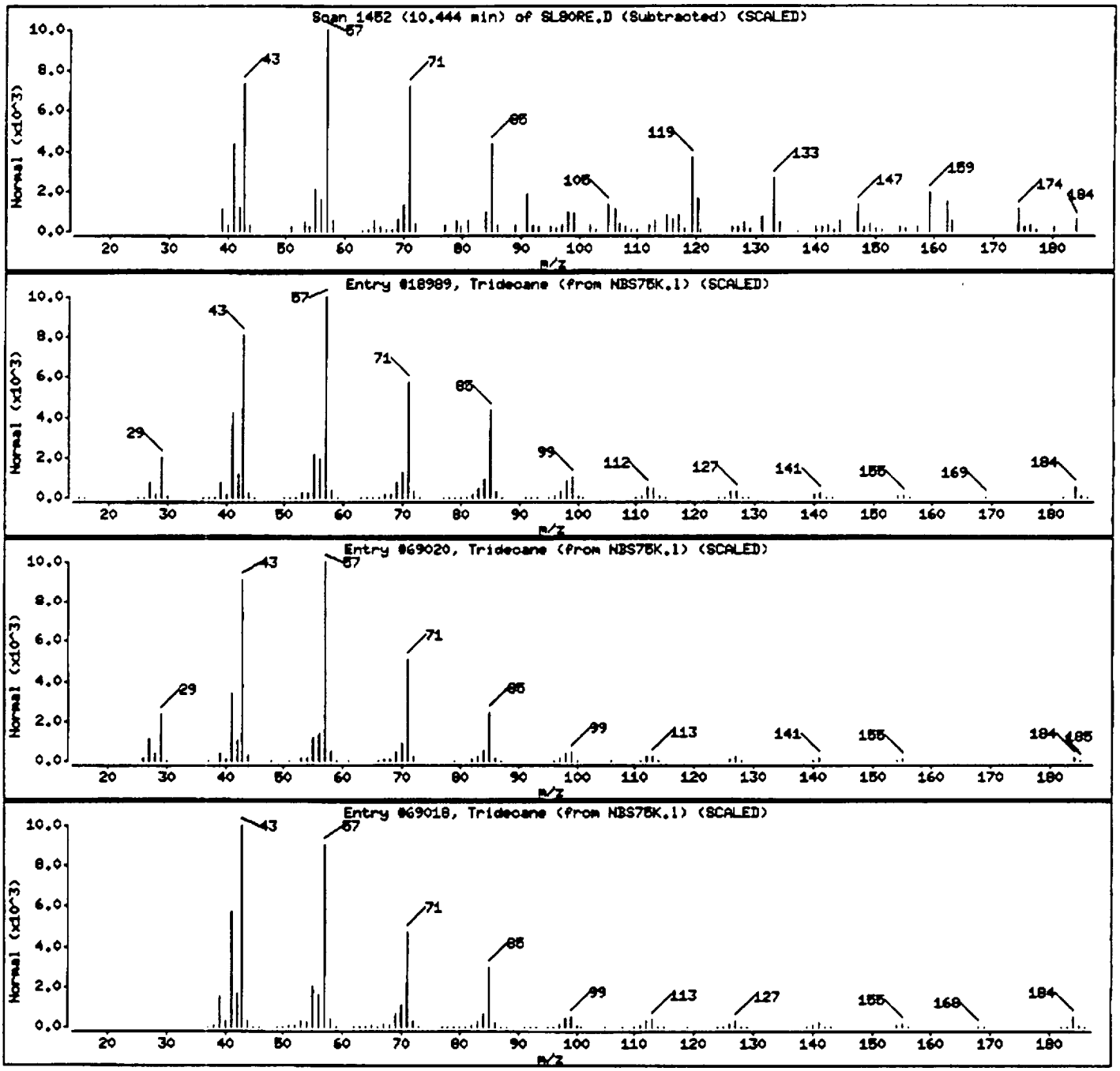
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tridecane	629-50-5	NBS75K.l	18989	58	C13H28	184
Tridecane	629-50-5	NBS75K.l	69020	46	C13H28	184
Tridecane	629-50-5	NBS75K.l	69018	46	C13H28	184



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Date : 04-DEC-2000 14:07

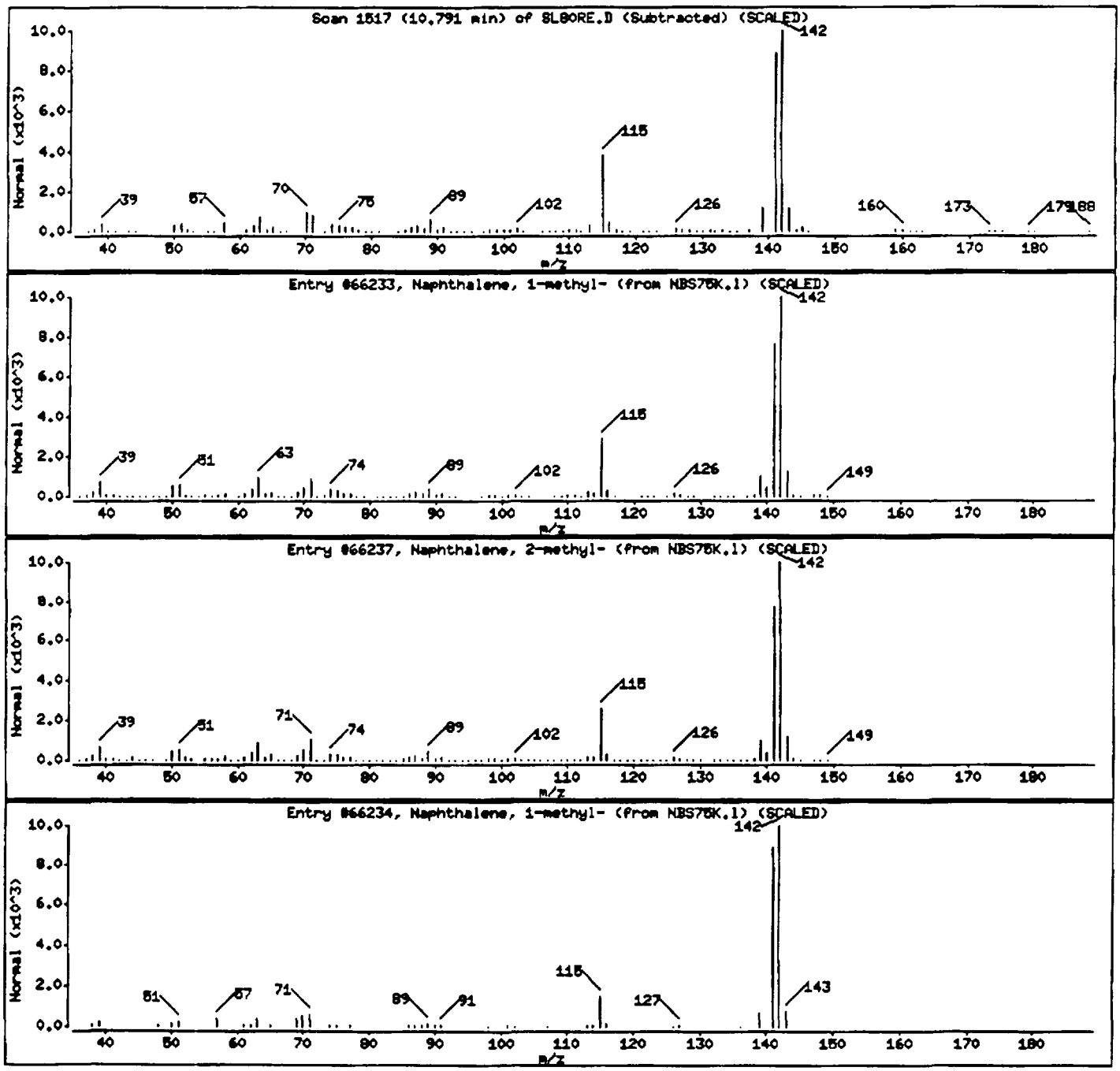
Client ID: SL-80 Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.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						
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66233	93	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66237	91	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66234	91	C11H10	142



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

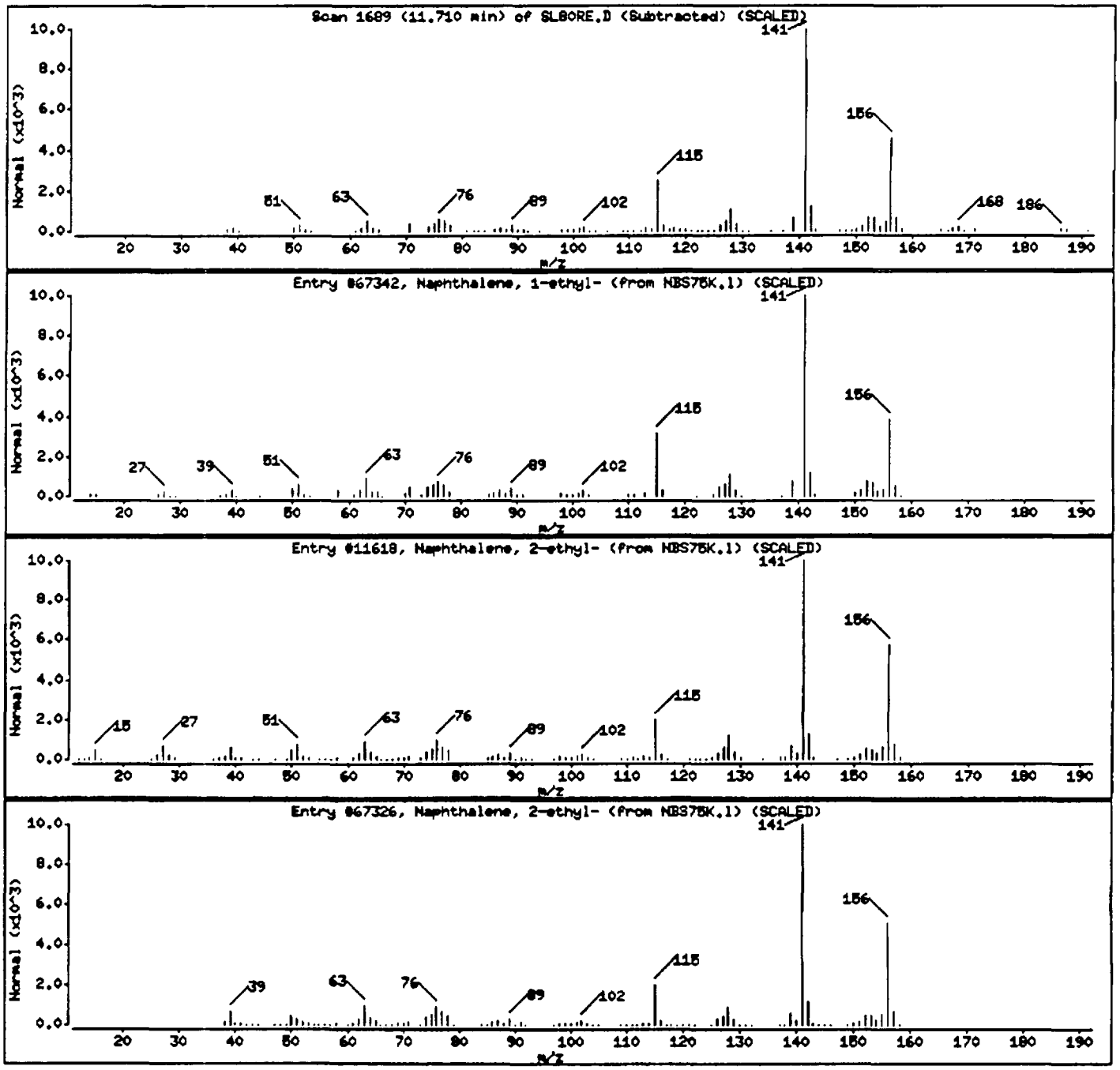
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	67342	95	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	11618	95	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	67326	95	C12H12	156



Data File: \\qcanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

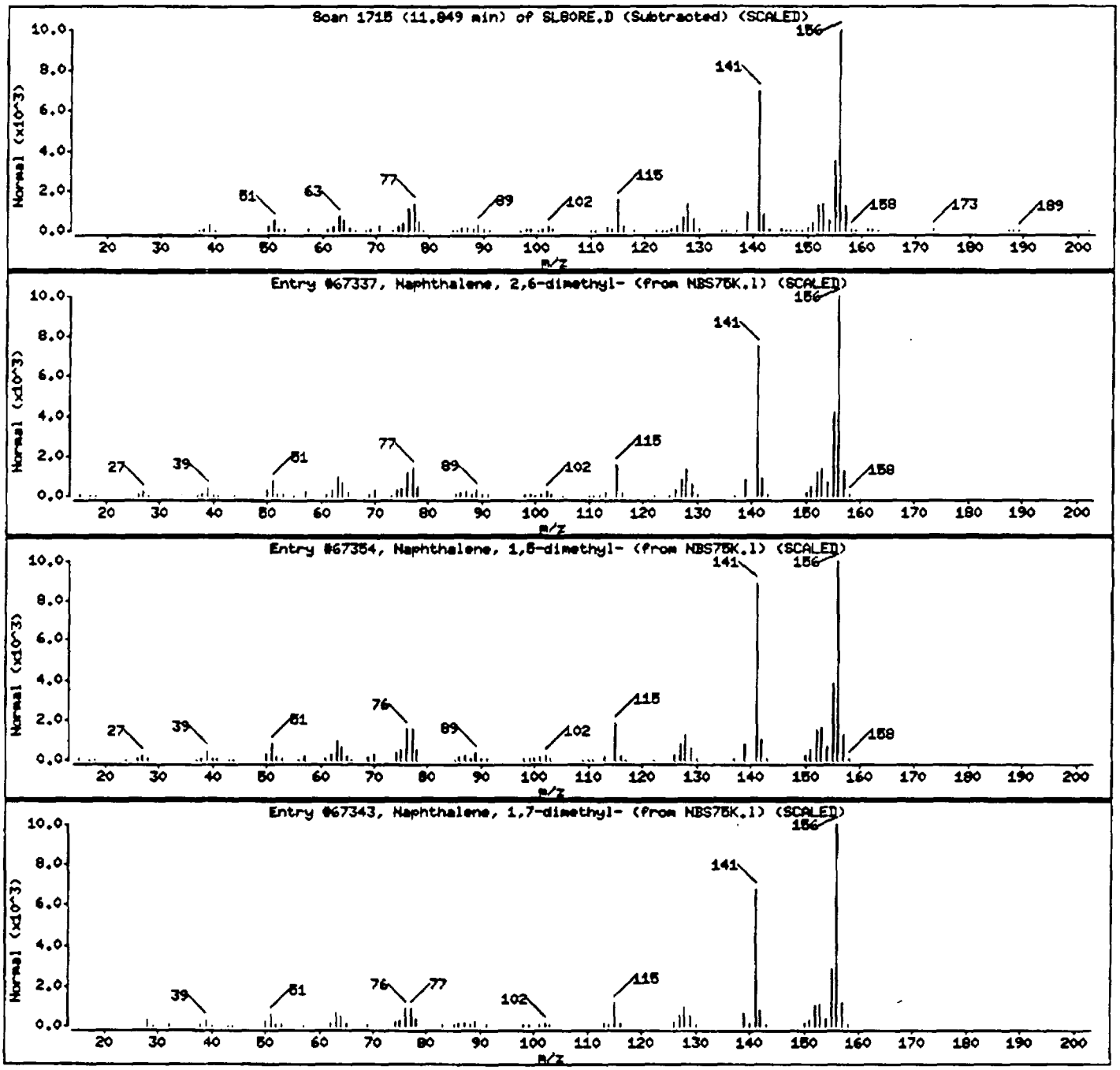
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67337	98	C12H12	156
Naphthalene, 1,5-dimethyl-	571-61-9	NBS75K.l	67354	98	C12H12	156
Naphthalene, 1,7-dimethyl-	575-37-1	NBS75K.l	67343	98	C12H12	156



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

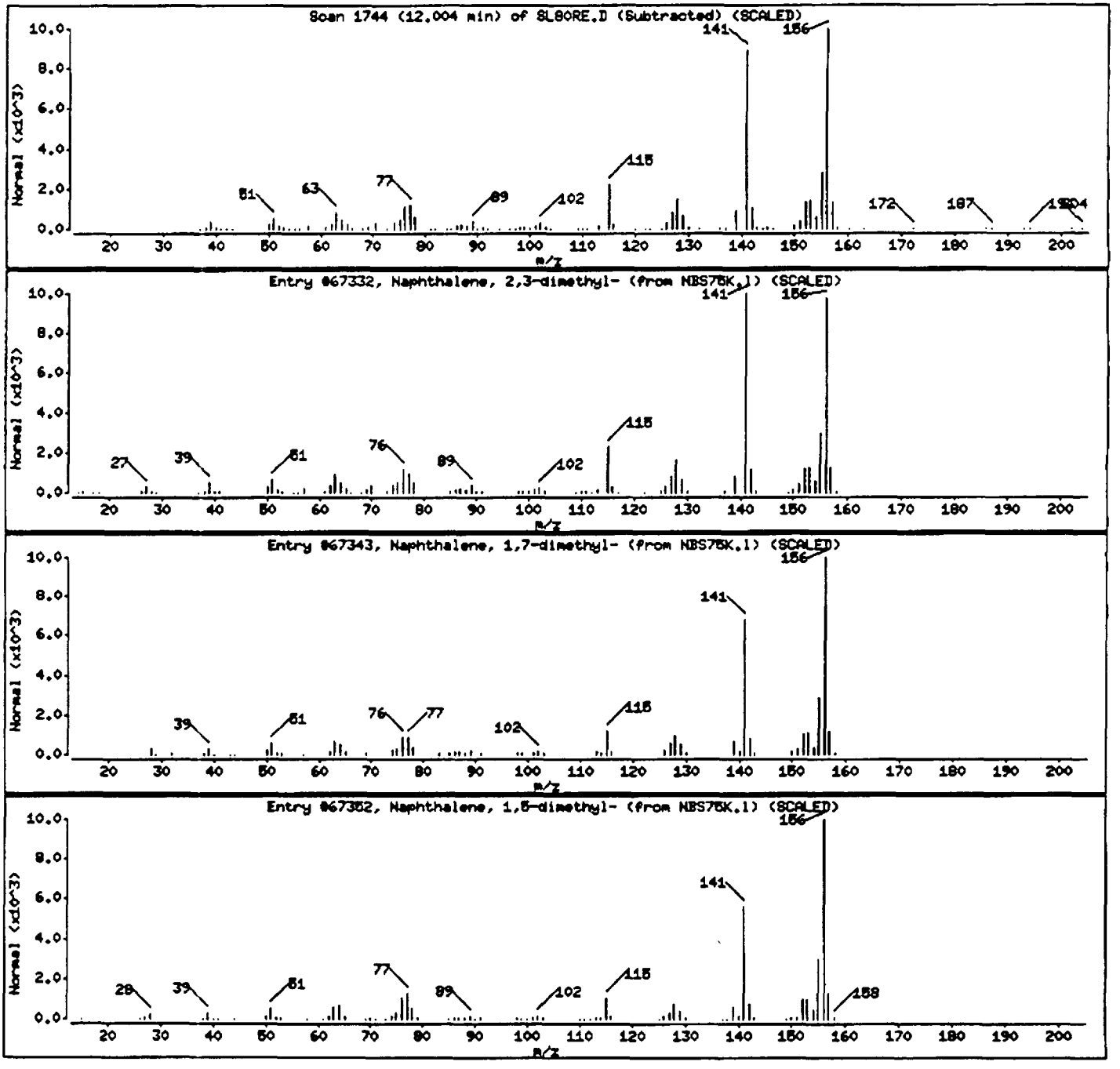
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67332	98	C12H12	156
Naphthalene, 1,7-dimethyl-	575-37-1	NBS75K.l	67343	97	C12H12	156
Naphthalene, 1,5-dimethyl-	571-61-9	NBS75K.l	67352	97	C12H12	156



Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

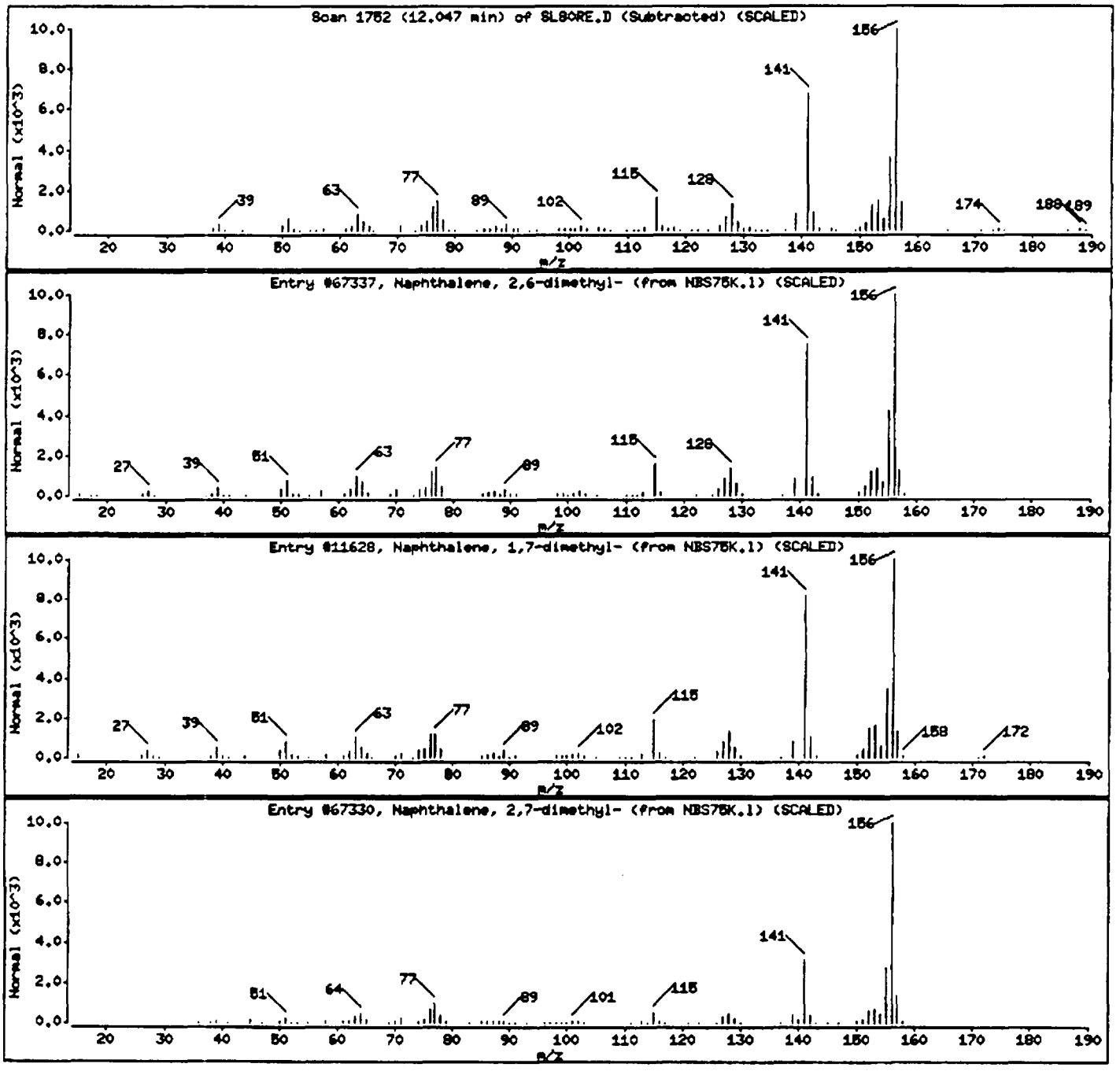
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67337	98	C12H12	156
Naphthalene, 1,7-dimethyl-	575-37-1	NBS75K.l	11628	98	C12H12	156
Naphthalene, 2,7-dimethyl-	582-16-1	NBS75K.l	67330	97	C12H12	156



Data File: \\mcanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

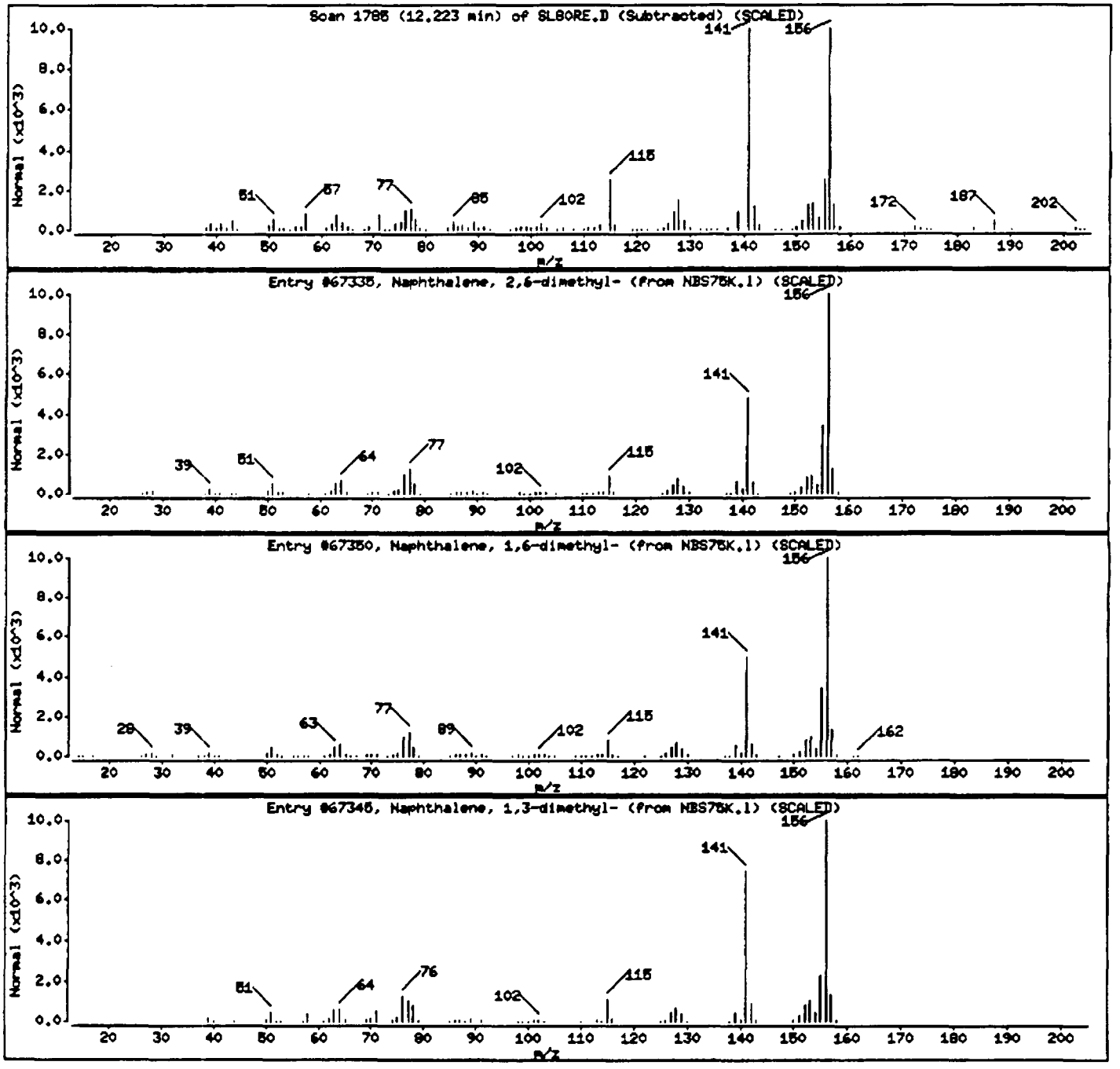
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67335	96	C12H12	156
Naphthalene, 1,6-dimethyl-	575-43-9	NBS75K.l	67350	96	C12H12	156
Naphthalene, 1,3-dimethyl-	575-41-7	NBS75K.l	67345	96	C12H12	156



Data File: \\qoanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

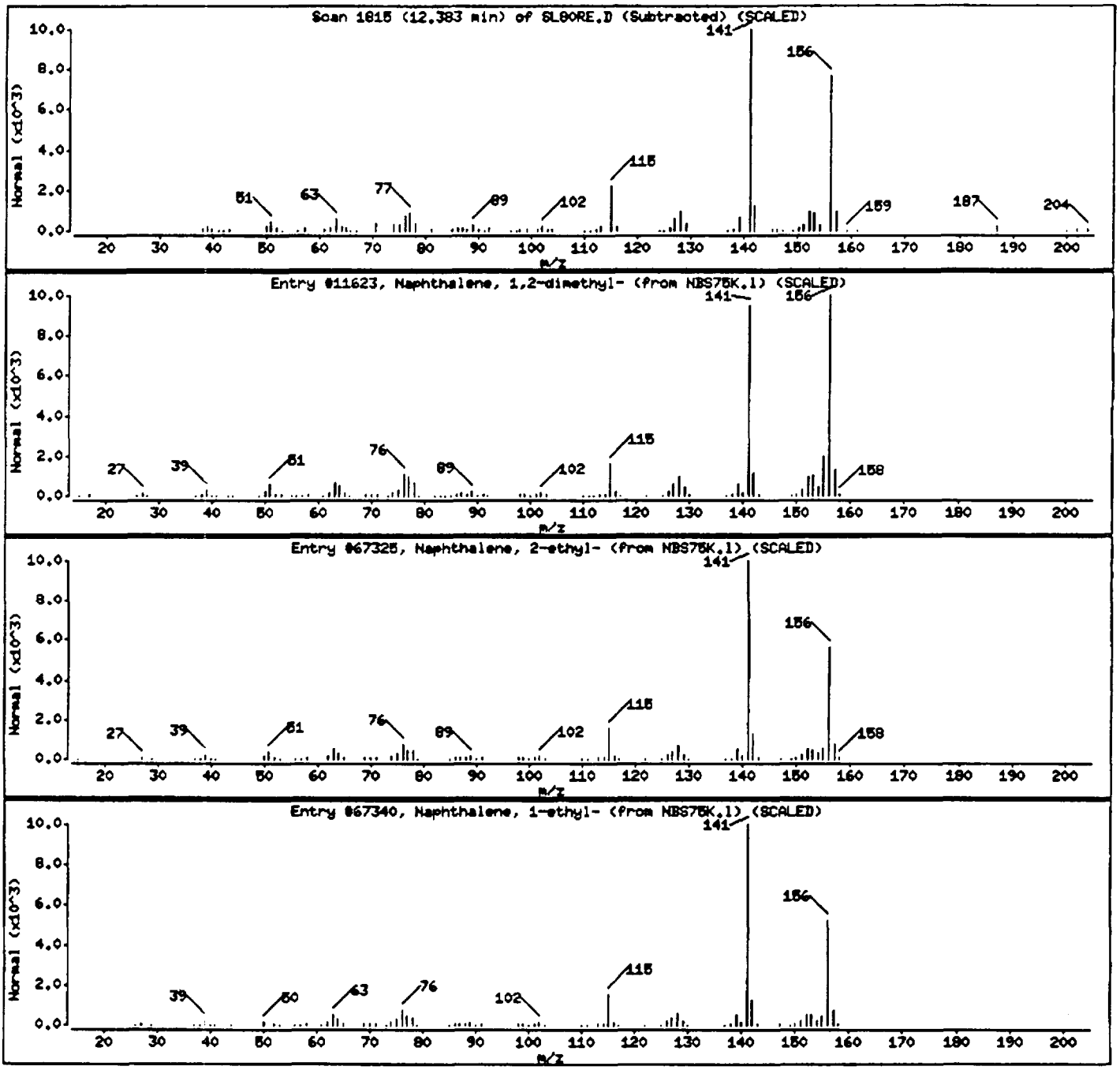
Client ID: SL-80 Instrument: a4hp9.i

Sample Info: qpdh32ad,01204a.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						
Naphthalene, 1,2-dimethyl-	573-98-8	NBS75K.l	11623	95	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	67325	94	C12H12	156
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	67340	94	C12H12	156



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,i-olp90.sub

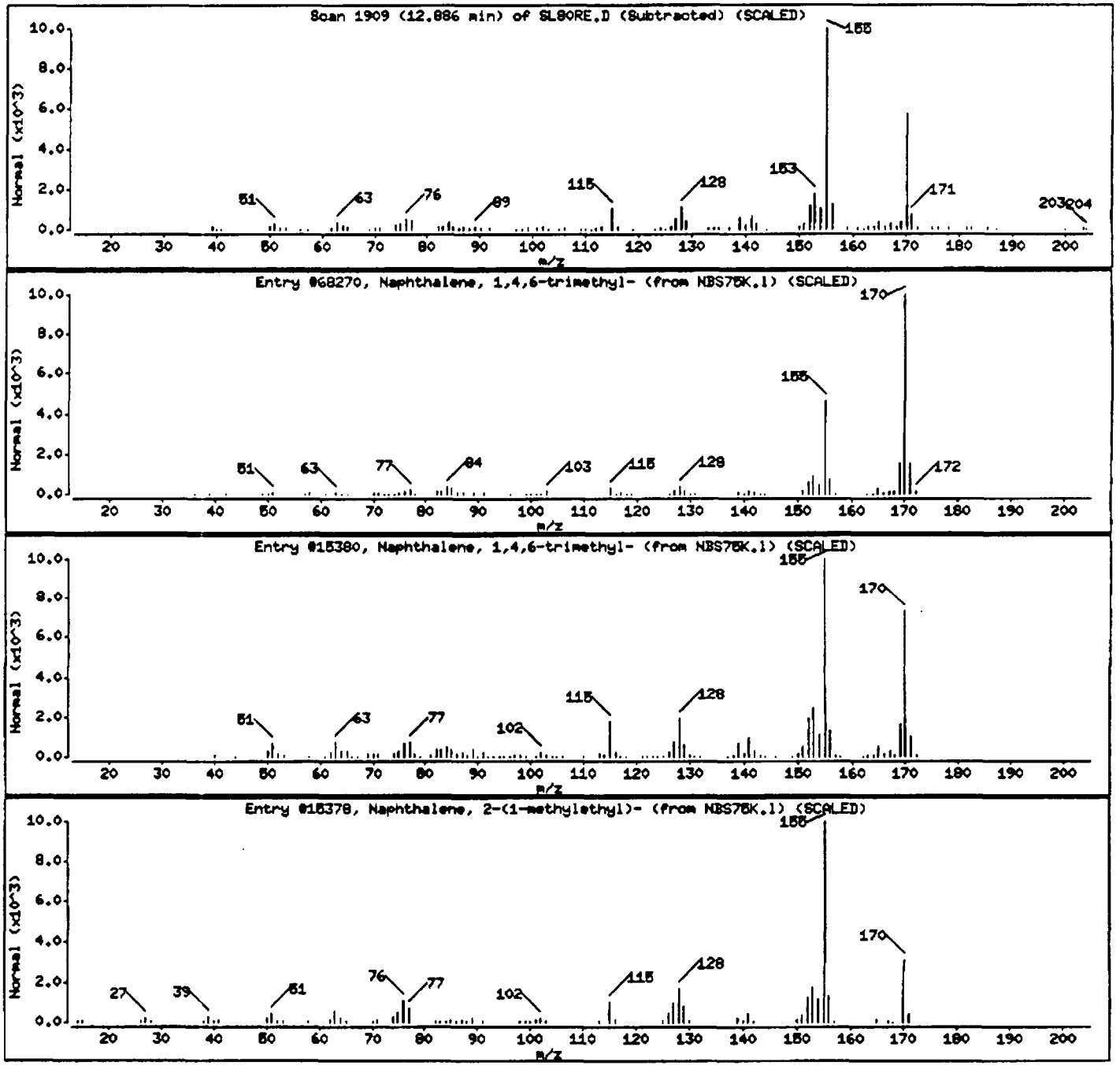
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	68270	94	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	92	C13H14	170
Naphthalene, 2-(1-methylethyl)-	2027-17-0	NBS75K.l	15378	91	C13H14	170



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

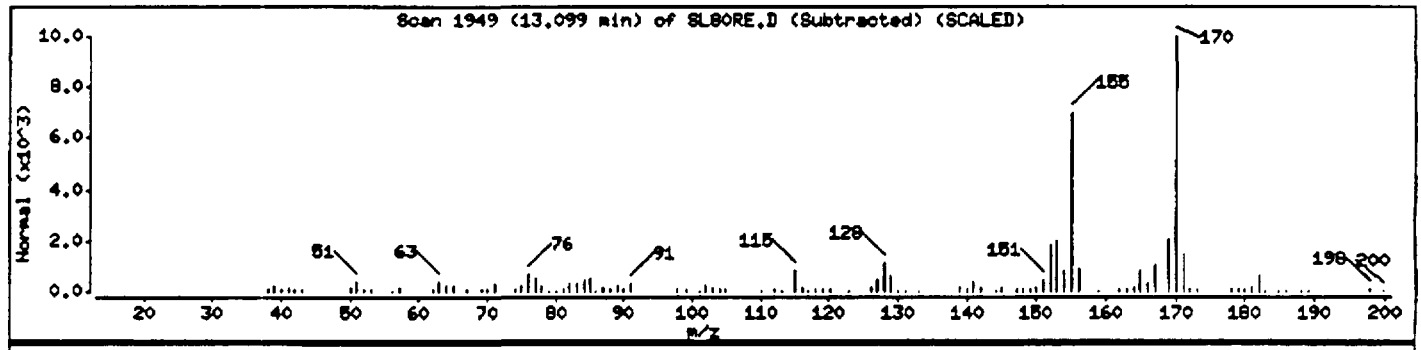
Volume Injected (uL): 2.0

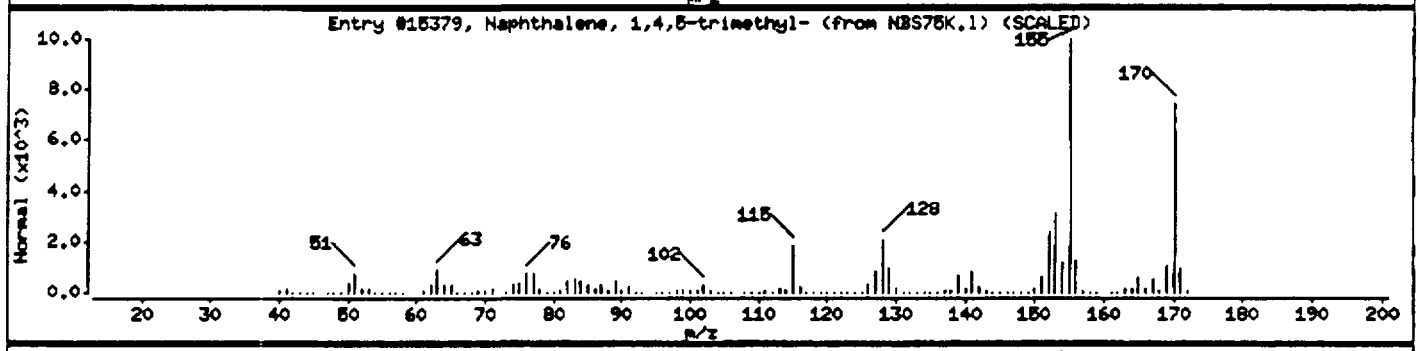
Operator: 001574

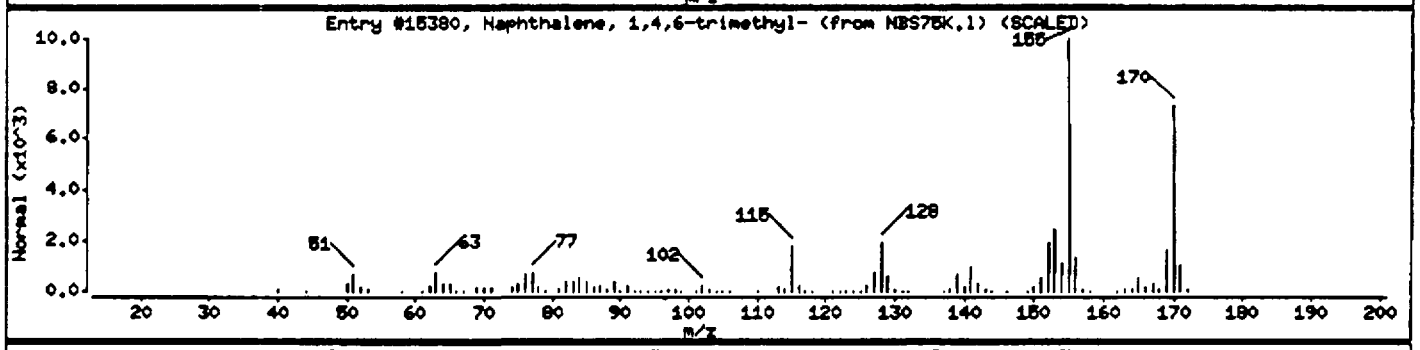
Column phase:

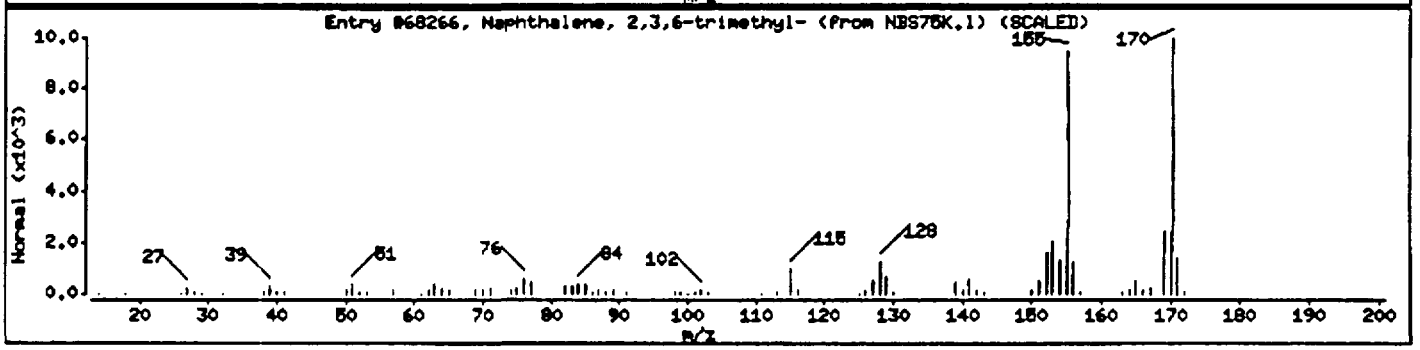
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,4,5-trimethyl-	2131-41-1	NBS75K.l	15379	95	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	94	C13H14	170
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	94	C13H14	170









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

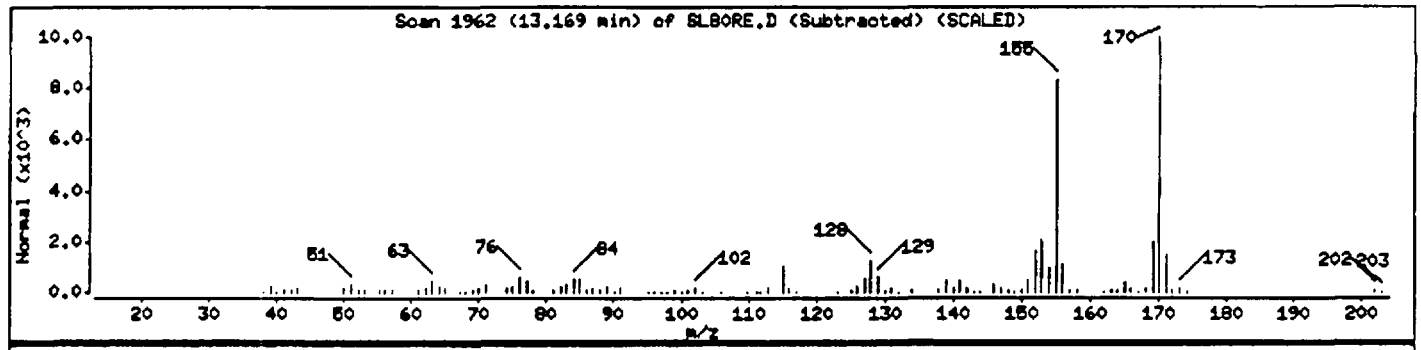
Volume Injected (uL): 2.0

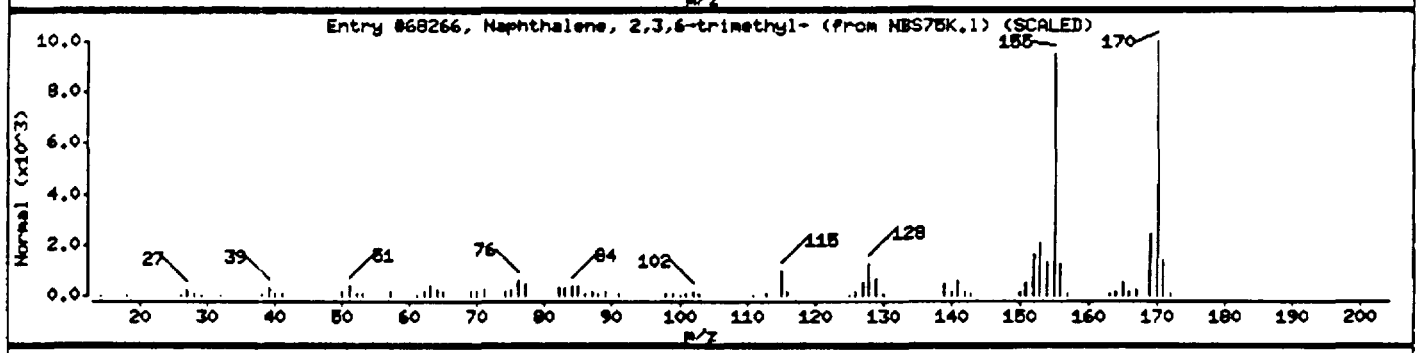
Operator: 001574

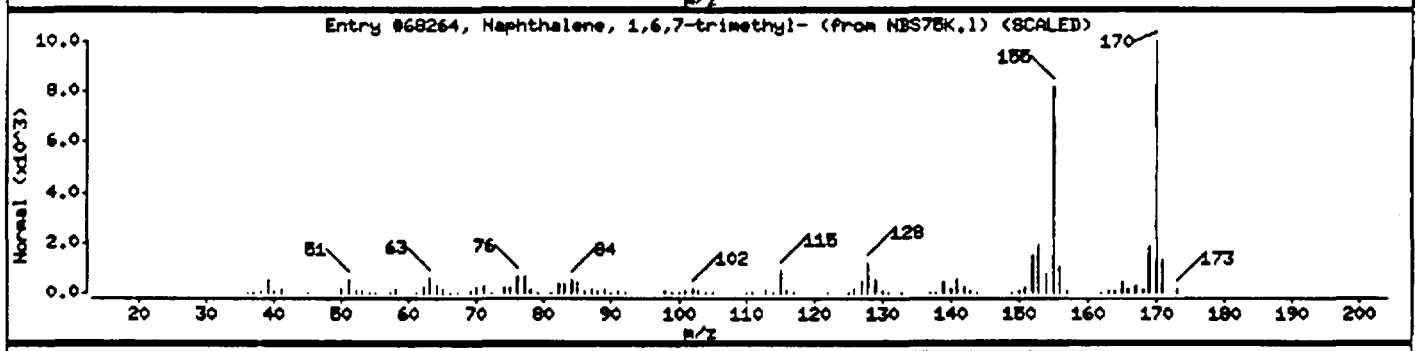
Column phase:

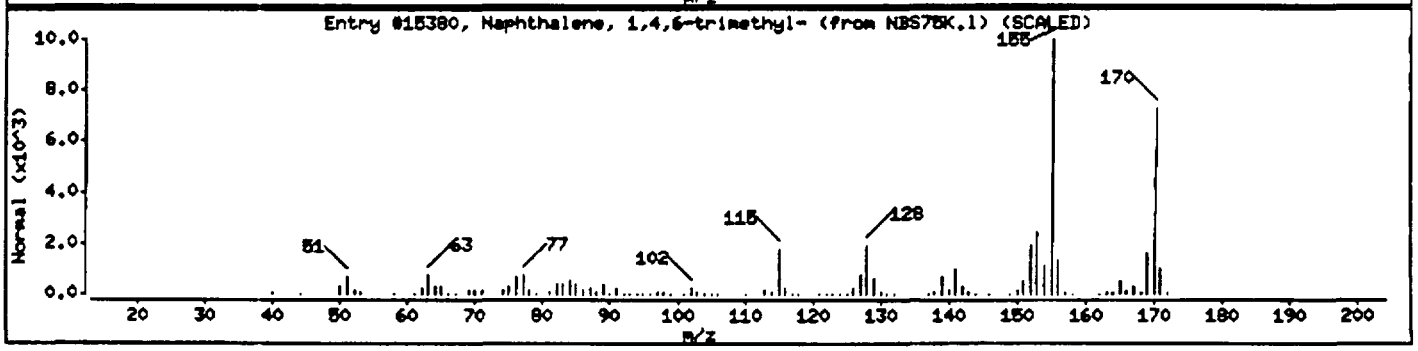
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	98	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68264	98	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	97	C13H14	170









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL80RE.D

Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90,sub

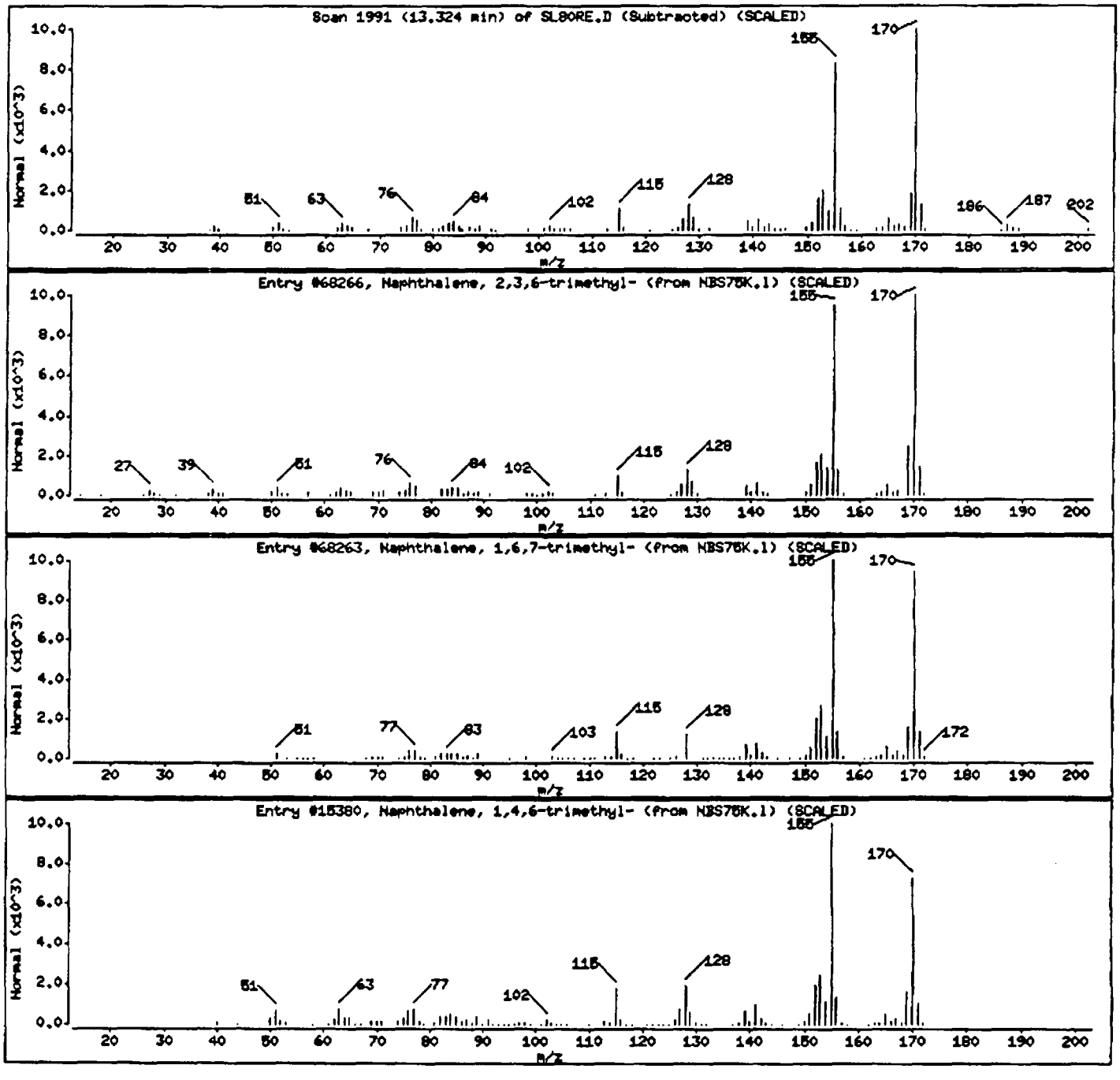
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	98	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	97	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	97	C13H14	170



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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,olp31,1-olp90.sub

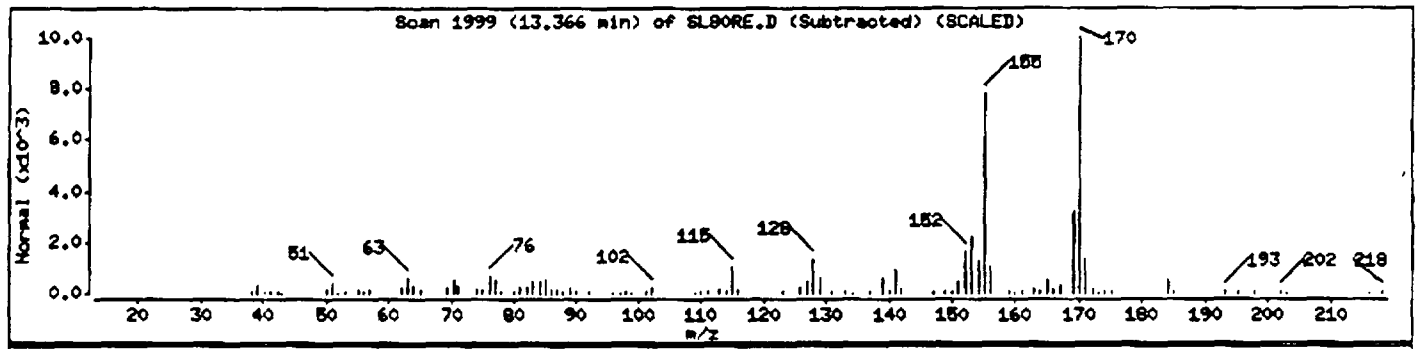
Volume Injected (uL): 2.0

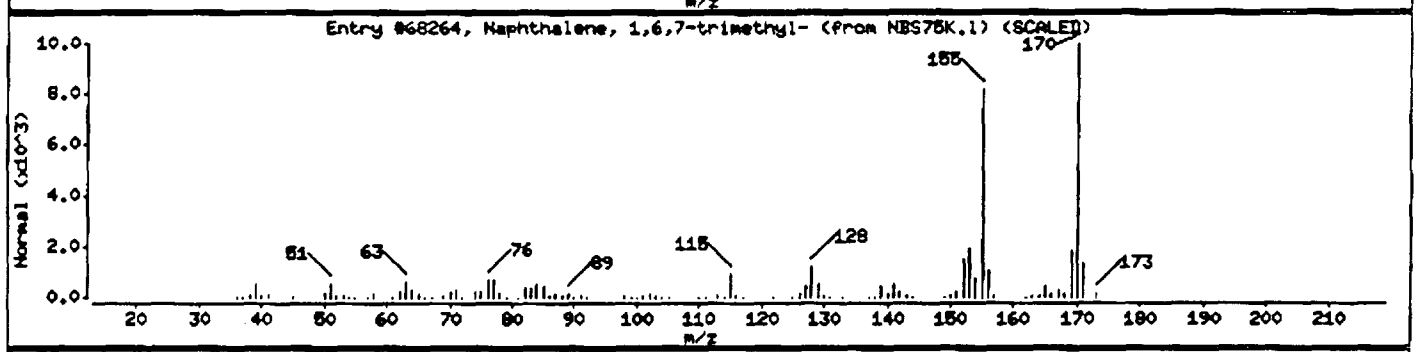
Operator: 001574

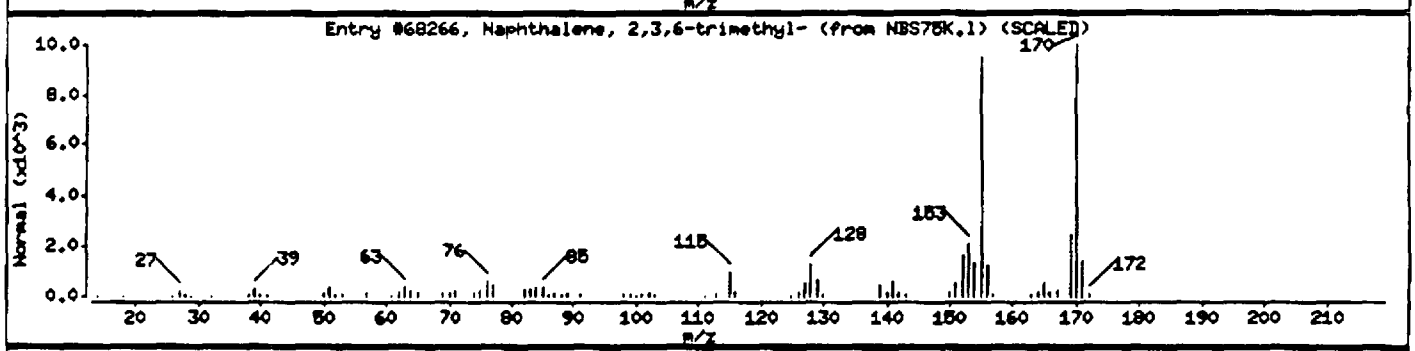
Column phase:

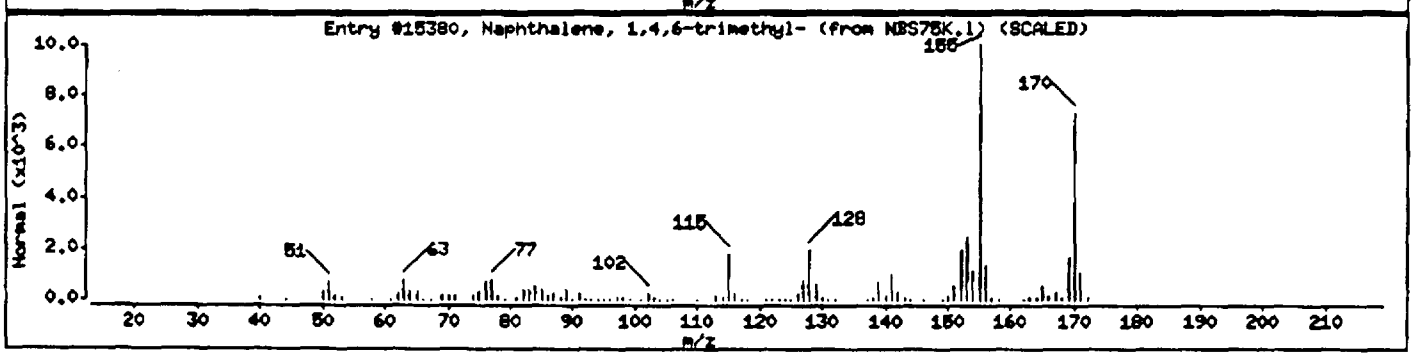
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68264	97	C13H14	170
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	97	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	96	C13H14	170









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Date : 04-DEC-2000 14:07

Client ID: SL-80

Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.b,clp31,1-clp90.sub

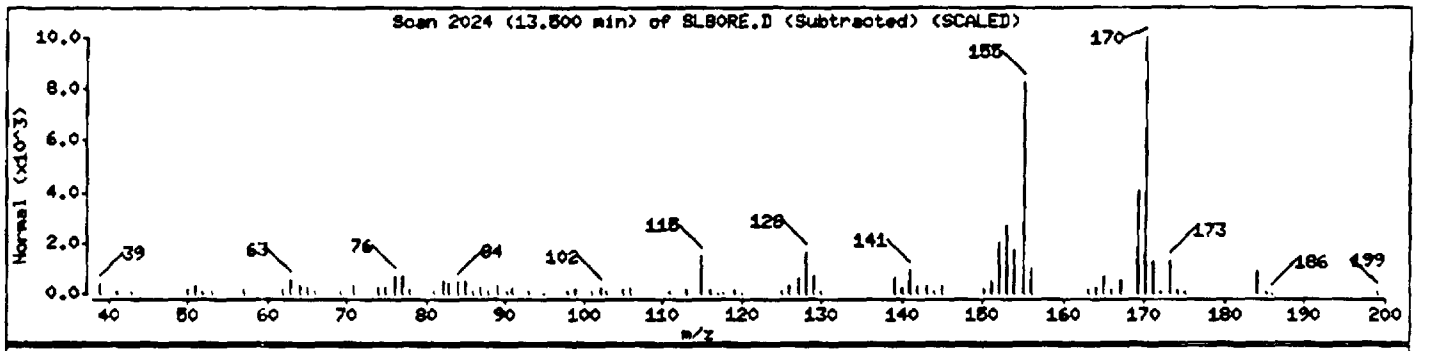
Volume Injected (uL): 2.0

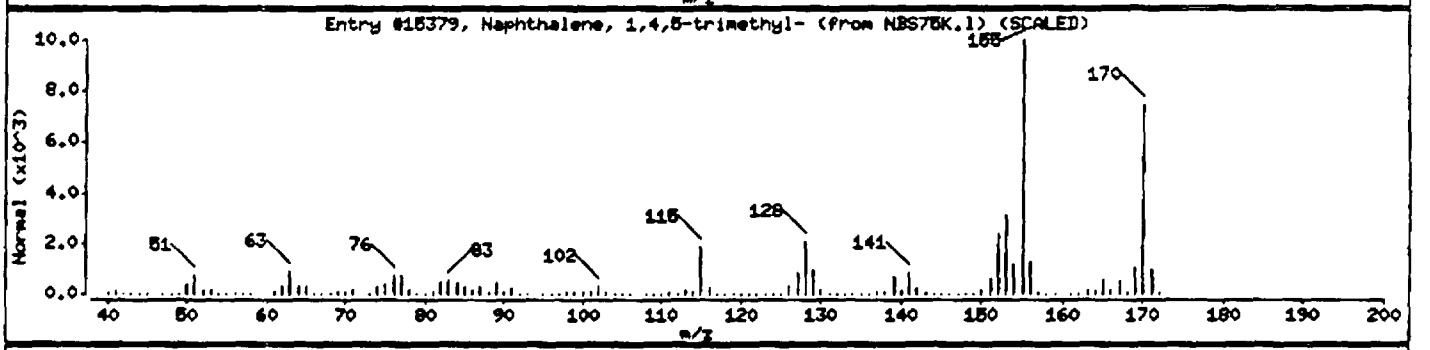
Operator: 001574

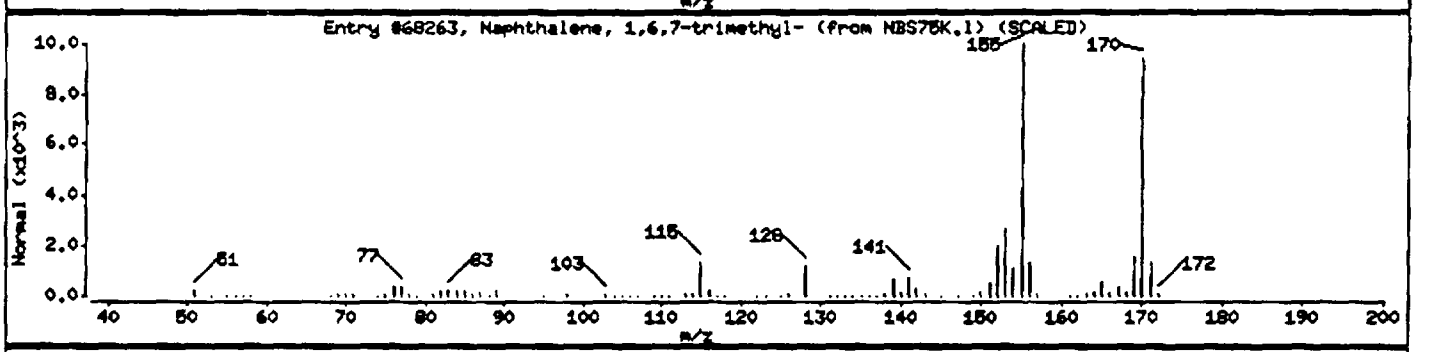
Column phase:

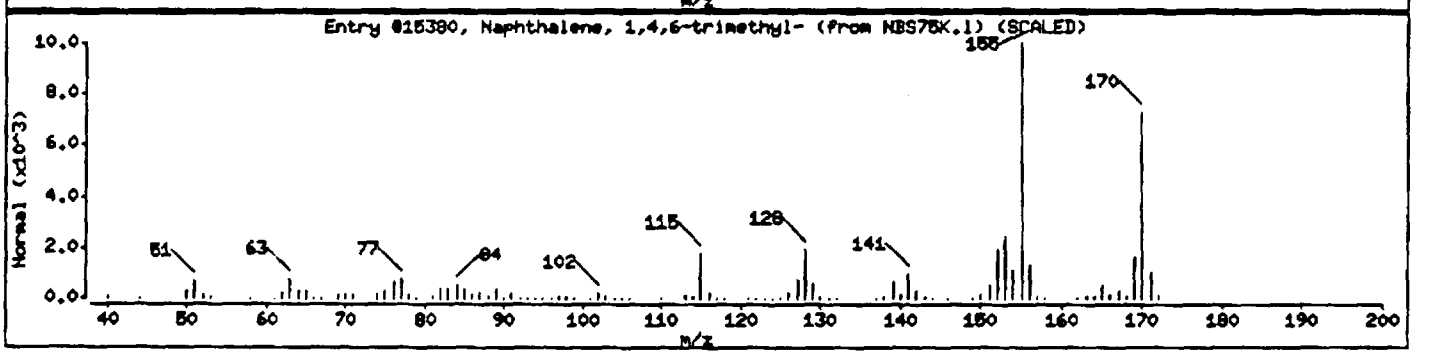
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,4,5-trimethyl-	2131-41-1	NBS75K.l	15379	96	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	94	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	94	C13H14	170









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Date : 04-DEC-2000 14:07

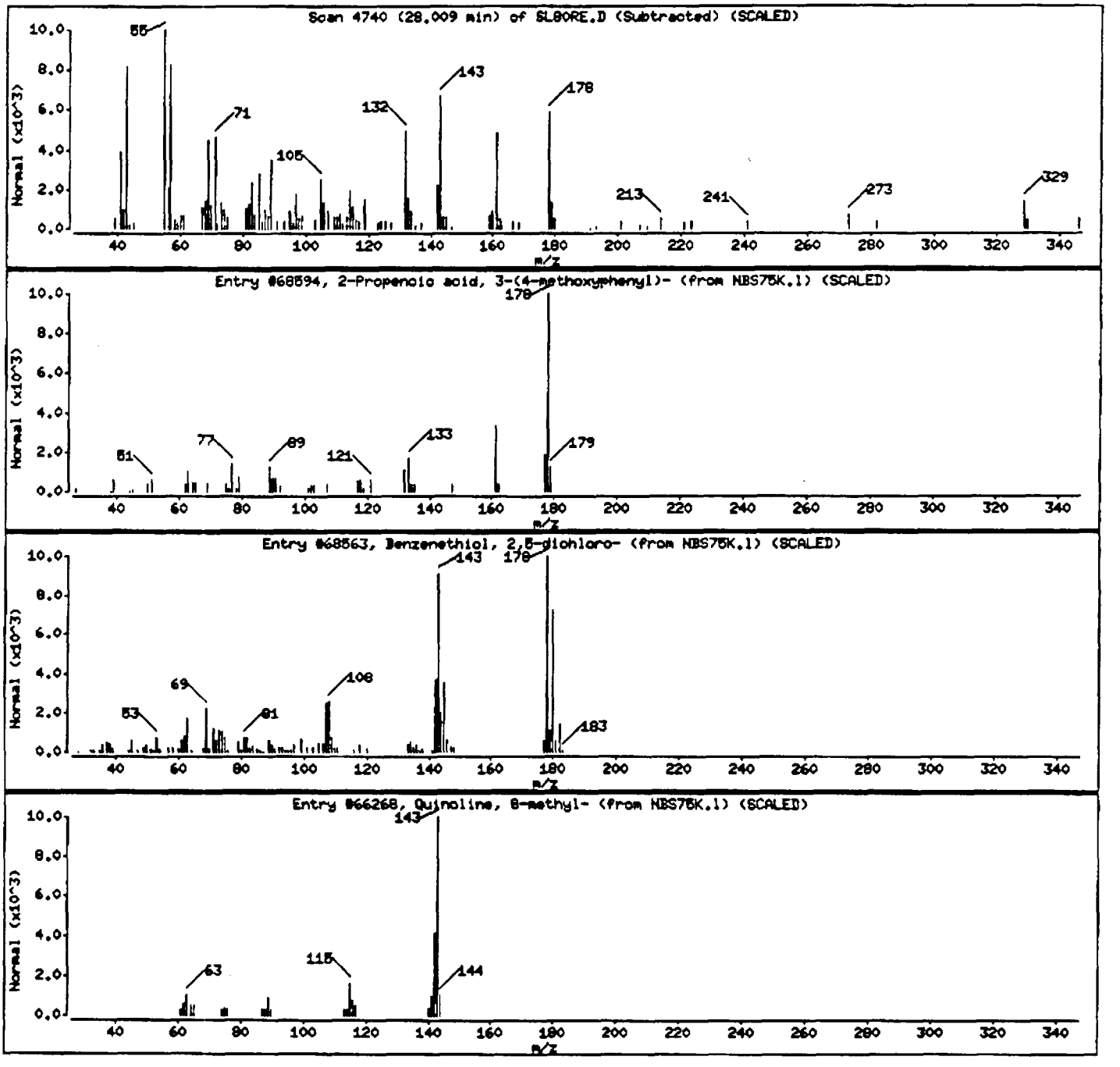
Client ID: SL-80 Instrument: a4hp9.i

Sample Info: dpdh32ad,01204a.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-Propenoic acid, 3-(4-methoxyphenyl)-	830-09-1	NBS75K.l	68594	16	C10H10O3	178
Benzenethiol, 2,5-dichloro-	5858-18-4	NBS75K.l	68563	12	C6H4Cl2S	178
Quinoline, 8-methyl-	611-32-5	NBS75K.l	66268	11	C10H9N	143



RMT

Lab Name: Severn Trent Laboratories, Inc. SDG Number: 0K04153

Matrix: (soil/water) SO Lab Sample ID: A0K040153 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.02 / g Date Received: 11/04/00
Work Order: DPDH92AD Date Extracted: 11/29/00
Dilution factor: 2 Date Analyzed: 12/04/00
Moisture %: 24

QC Batch: 0334103

Client Sample Id: SL-81 -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**	**680**	**J**
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**	**4500**	
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:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.02 / g Date Received: 11/04/00
Work Order: DPDH92AD Date Extracted:11/29/00
Dilution factor: 2 Date Analyzed: 12/04/00
Moisture %:24

QC Batch: 0334103

Client Sample Id: SL-81 -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**	**110**	**J**
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**	**160**	**J**
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	870	U
129-00-0	Pyrene	870	U
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

RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.02 / g Date Received: 11/04/00
Work Order: DPDH92AD Date Extracted:11/29/00
Dilution factor: 2 Date Analyzed: 12/04/00
Moisture %:24

QC Batch: 0334103

Client Sample Id: SL-81 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
117-81-7	bis(2-Ethylhexyl) phthalate	870	U
117-84-0	Di-n-octyl phthalate	870	U
205-99-2	Benzo(b)fluoranthene	870	U
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

FORM I

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.02 / g Date Received: 11/04/00
Work Order: DPDH92AD Date Extracted:11/29/00
Dilution factor: 2 Date Analyzed: 12/04/00
Moisture %:24

QC Batch: 0334103

Client Sample Id: SL-81 -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	11.838	2100	J
	Unknown PAH	11.999	2400	J
	Unknown PAH	12.047	1200	J
	Unknown Aromatic	7.3087	200	J
	Unknown Aromatic	7.4316	280	J
	Unknown Aromatic	7.8162	370	J
	Unknown Aromatic	9.9691	210	J
	Unknown Aromatic	10.129	250	J
	Unknown Aromatic	10.321	260	J
	Unknown PAH	12.223	1300	J
	Unknown PAH	12.383	600	J
	Unknown	12.415	260	J
	Unknown Hydrocarbon	10.439	200	J
	Unknown PAH	10.786	2500	J
	Unknown PAH	11.705	770	J
	Unknown PAH	12.891	520	J
	Unknown Aromatic	12.992	210	J
	Unknown PAH	13.099	620	J
	Unknown PAH	13.169	640	J
	Unknown PAH	13.323	350	J
	Unknown PAH	13.366	420	J
	Unknown PAH	13.5	810	J
	Unknown	14.568	340	J
	Unknown Organic Acid	20.172	180	J
	Unknown	25.488	1600	J
	Unknown	25.653	370	J

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K040153 002
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

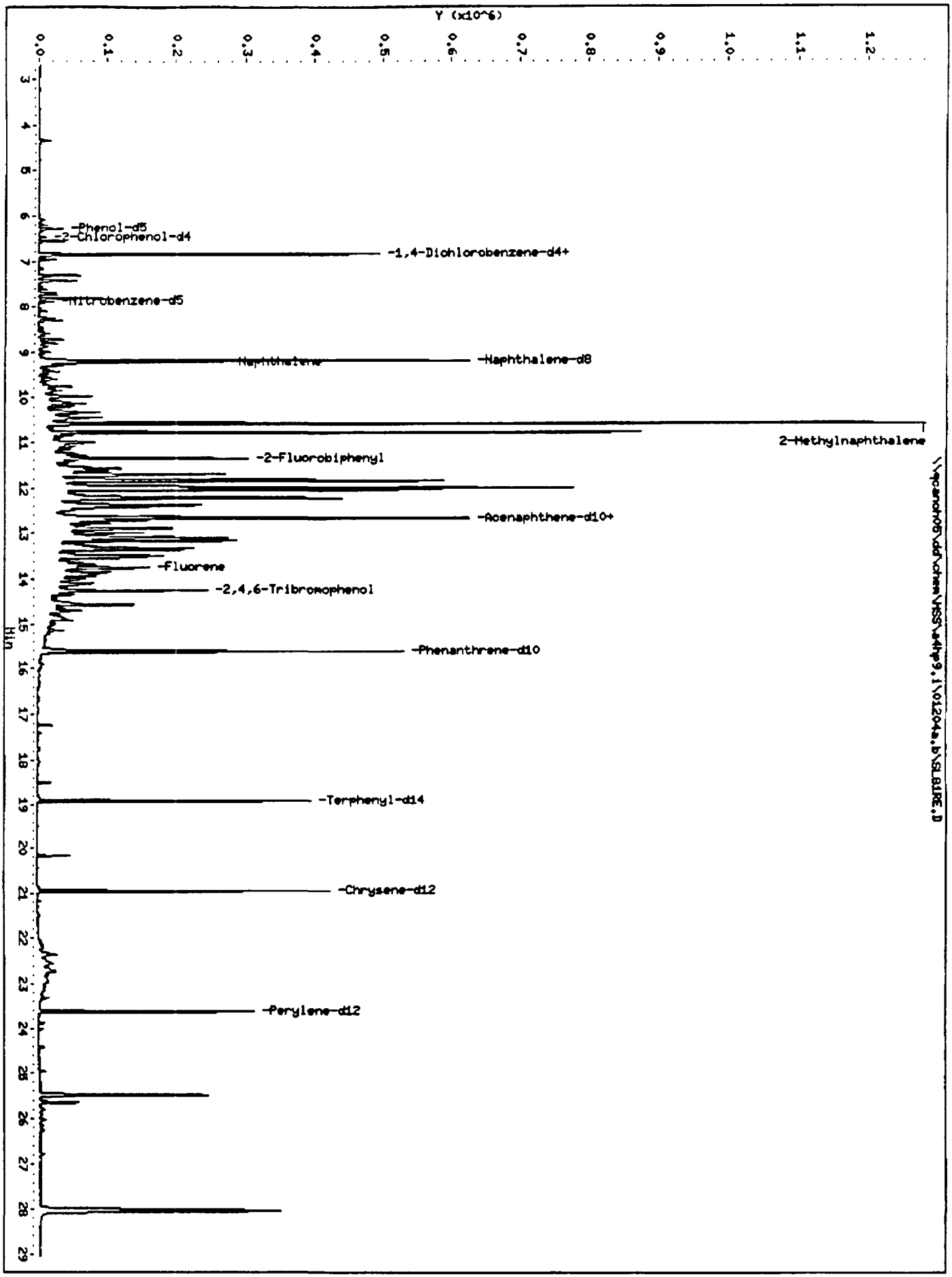
Sample WT/Vol: 30.02 / g Date Received: 11/04/00
Work Order: DPDH92AD Date Extracted:11/29/00
Dilution factor: 2 Date Analyzed: 12/04/00
Moisture %:24

QC Batch: 0334103

Client Sample Id: SL-81 -RE 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L or ug/kg) ug/kg	Q
	Unknown	28.025	3900	J

FORM I - TIC


Y (x10^6)
Min
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
-Naphthalene-d8
2-Methylnaphthalene
-2-Fluorobiphenyl
-Acenaphthene-d10+
-Fluorene
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D
Lab Smp Id: DPDH92AD Client Smp ID: SL-81
Inj Date : 04-DEC-2000 16:04
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpdh92ad,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 5
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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	30.020	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	6.854	6.859	(1.000)	117161	40.0000	
* 2 Naphthalene-d8	136	9.189	9.199	(1.000)	458248	40.0000	
* 3 Acenaphthene-d10	164	12.661	12.671	(1.000)	233072	40.0000	
* 4 Phenanthrene-d10	188	15.626	15.631	(1.000)	355969	40.0000	
* 5 Chrysene-d12	240	20.963	20.973	(1.000)	245494	40.0000	
* 6 Perylene-d12	264	23.628	23.633	(1.000)	200385	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.					

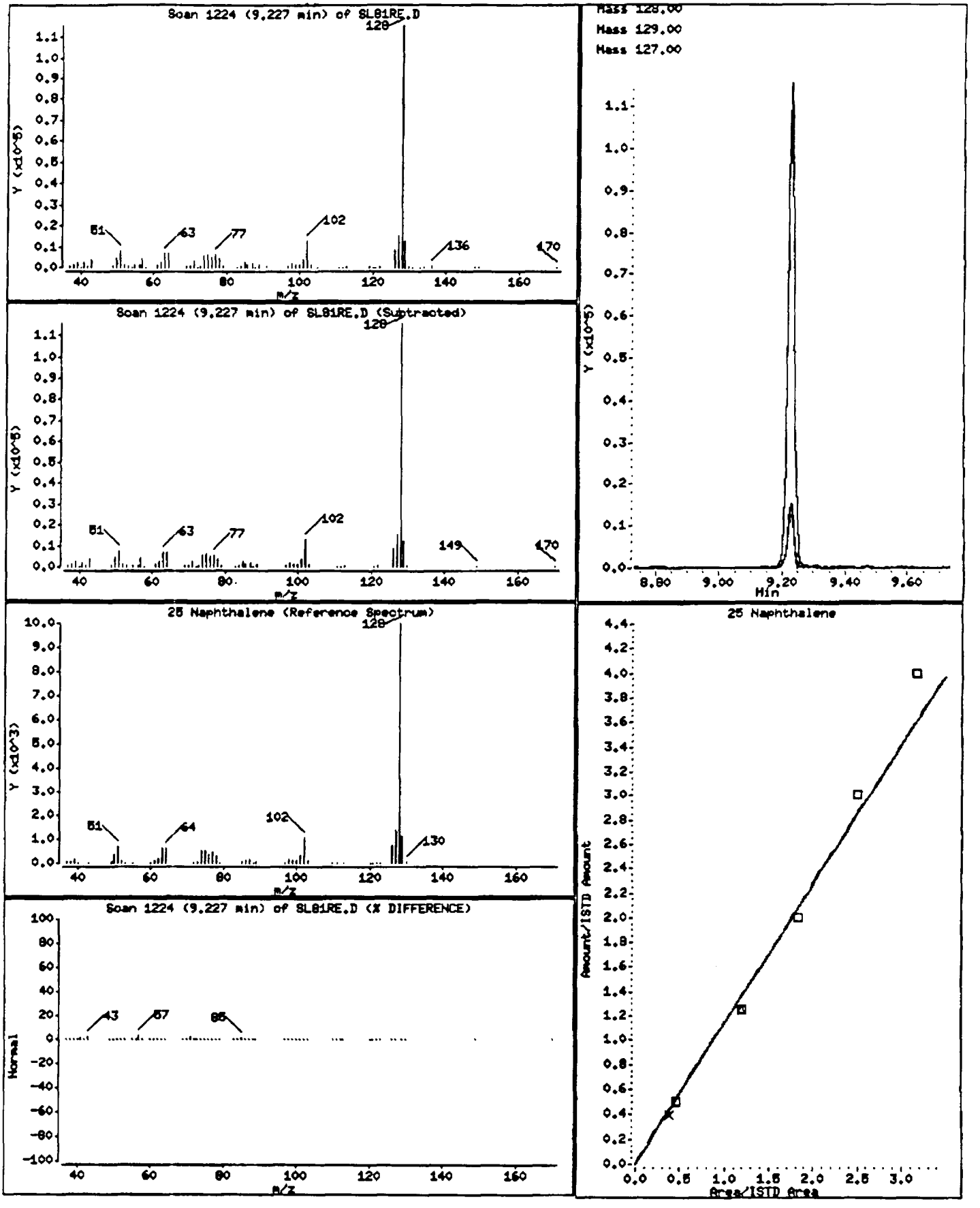
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	9.226	9.236	(1.004)	170325	15.6231	520(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	10.594	10.588	(1.153)	733921	101.586	3400
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	12.720	12.735	(1.005)	13994	2.59847	86(a)
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	13.746	13.761	(1.086)	23304	3.67376	120(a)
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	7.885	7.901	(0.858)	11566	2.51817	84(aR)
$	73 2-Fluorobiphenyl	172	11.358	11.362	(0.897)	155295	24.6363	820
$	74 Terphenyl-d14	244	18.911	18.916	(0.902)	231633	39.8388	1300
$	75 Phenol-d5	99	6.283	6.303	(0.917)	19041	3.82711	130(aR)
$	76 2-Fluorophenol	112	Compound Not Detected.					
$	77 2,4,6-Tribromophenol	330	14.258	14.268	(0.912)	40973	43.7639	1400
$	78 2-Chlorophenol-d4	132	6.470	6.485	(0.944)	4914	1.44291	48(a)
$	79 1,2-Dichlorobenzene-d4	152	6.854	7.137	(1.000)	117161	51.5698	1700

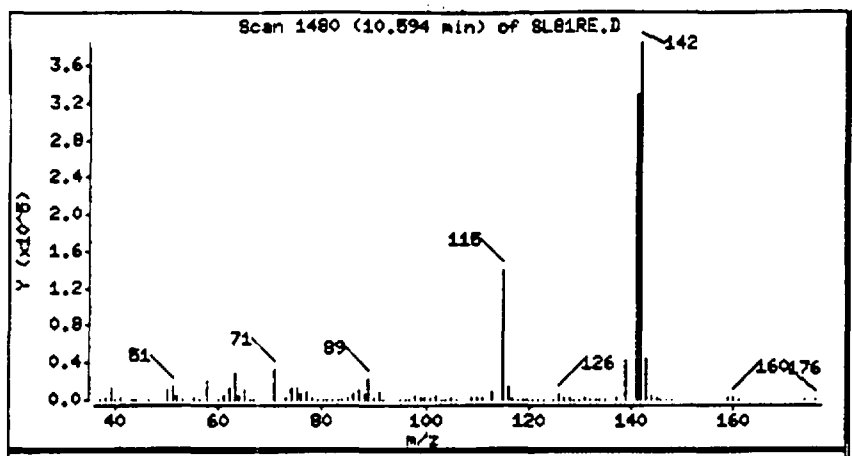
QC Flag Legend

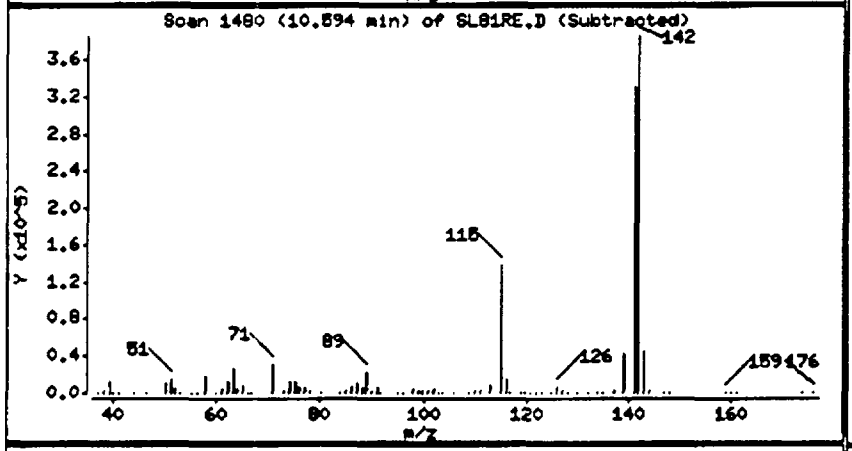
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

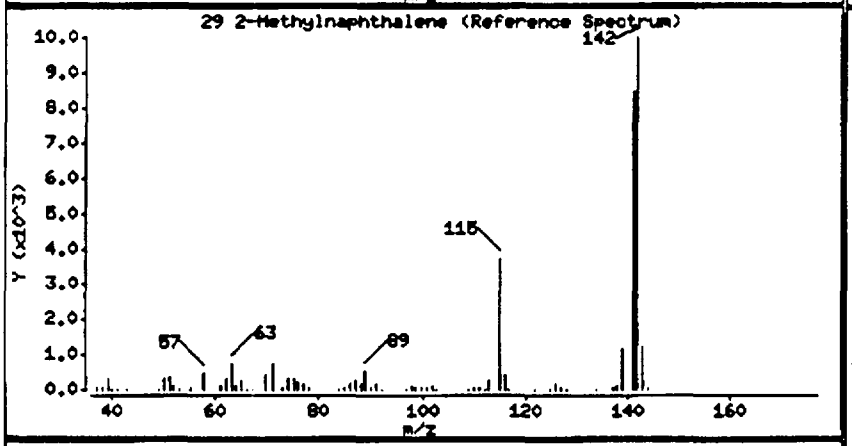
25 Naphthalene

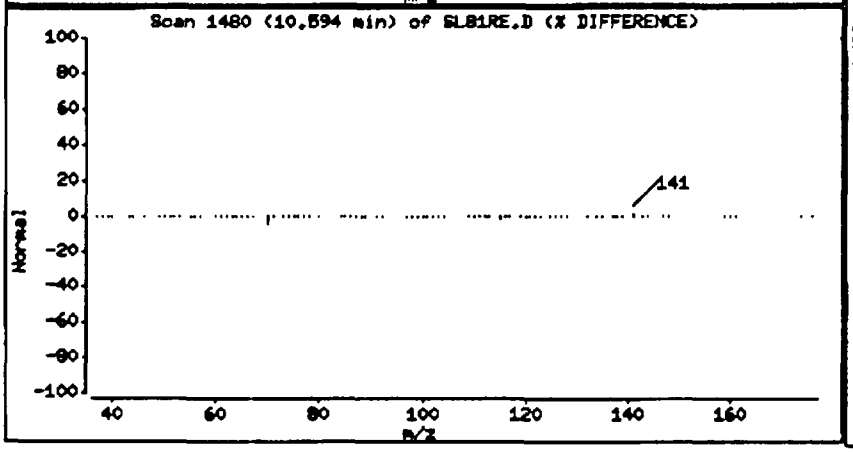


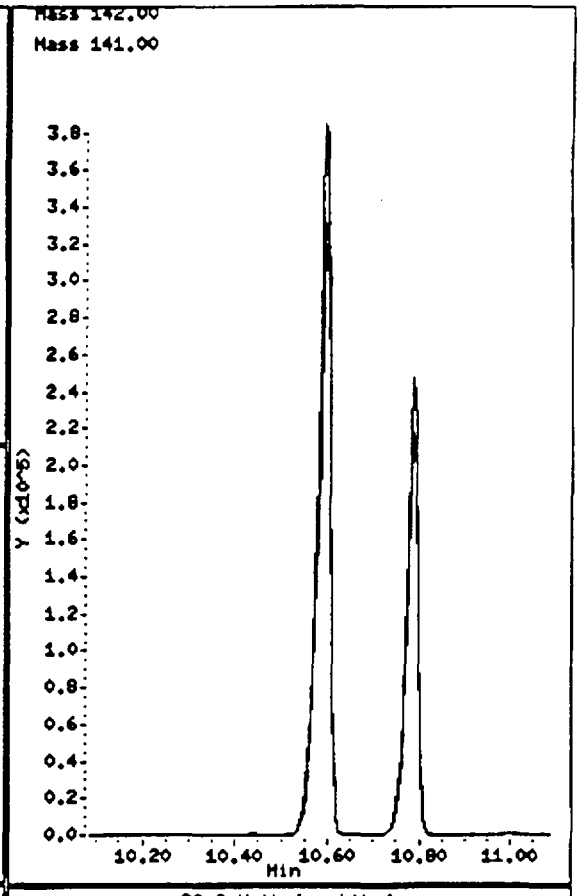
29 2-Methylnaphthalene

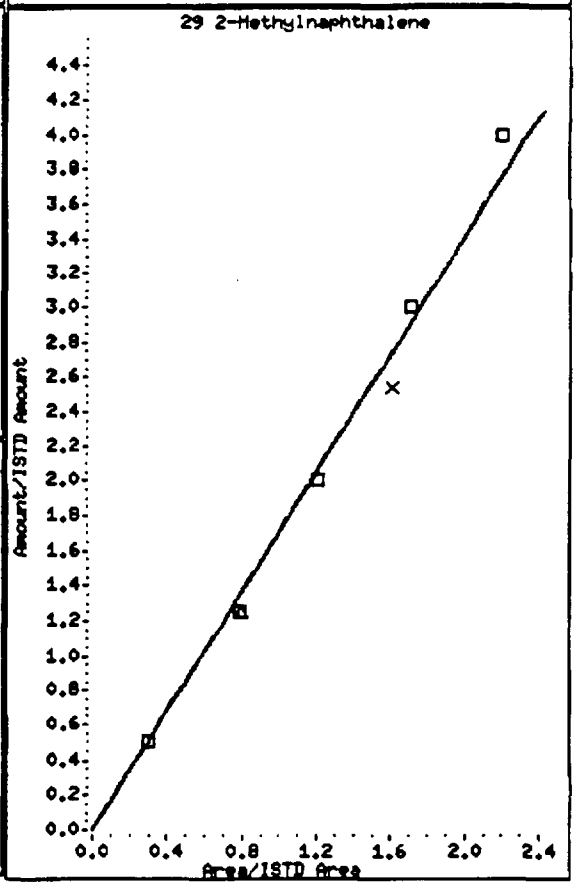




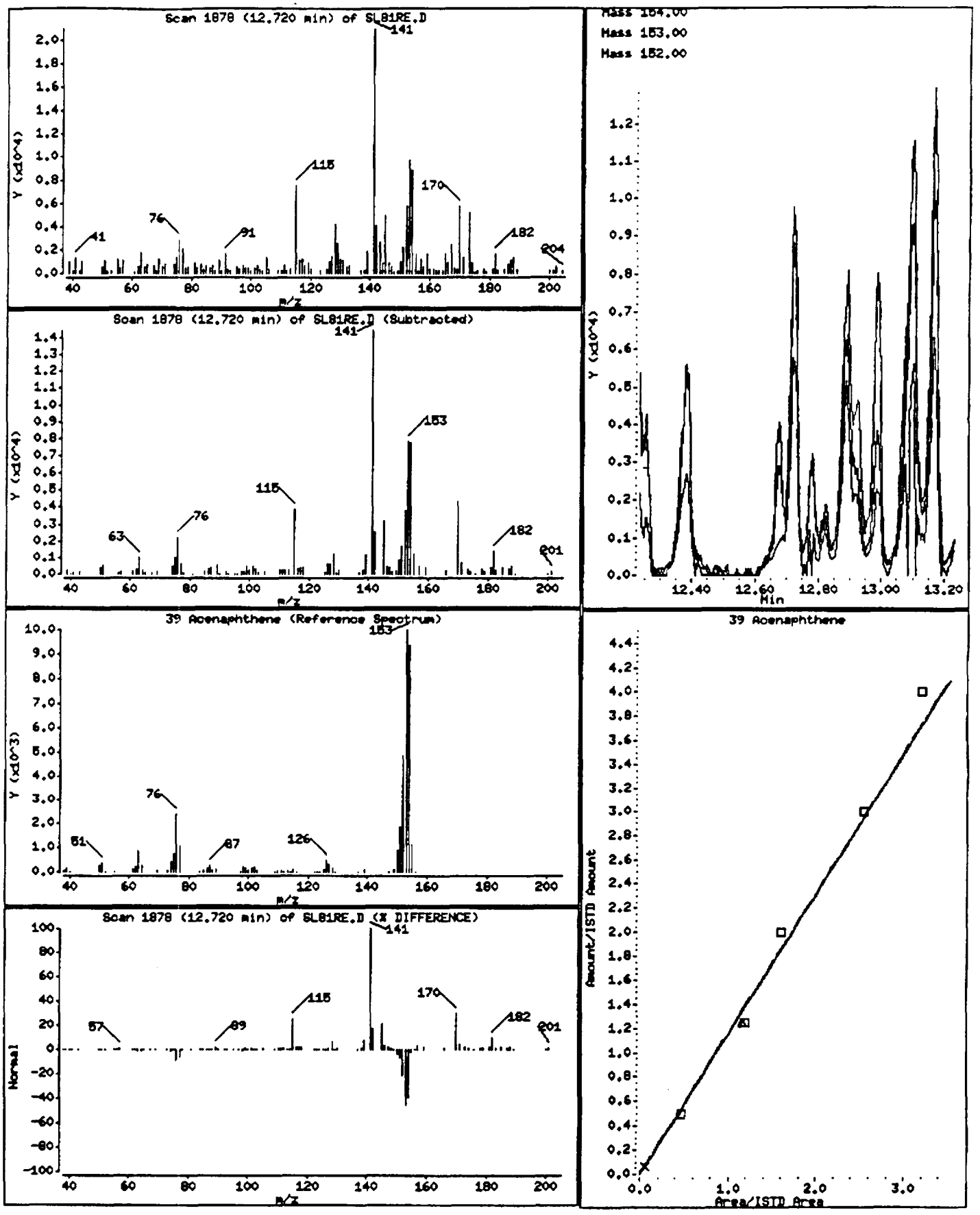




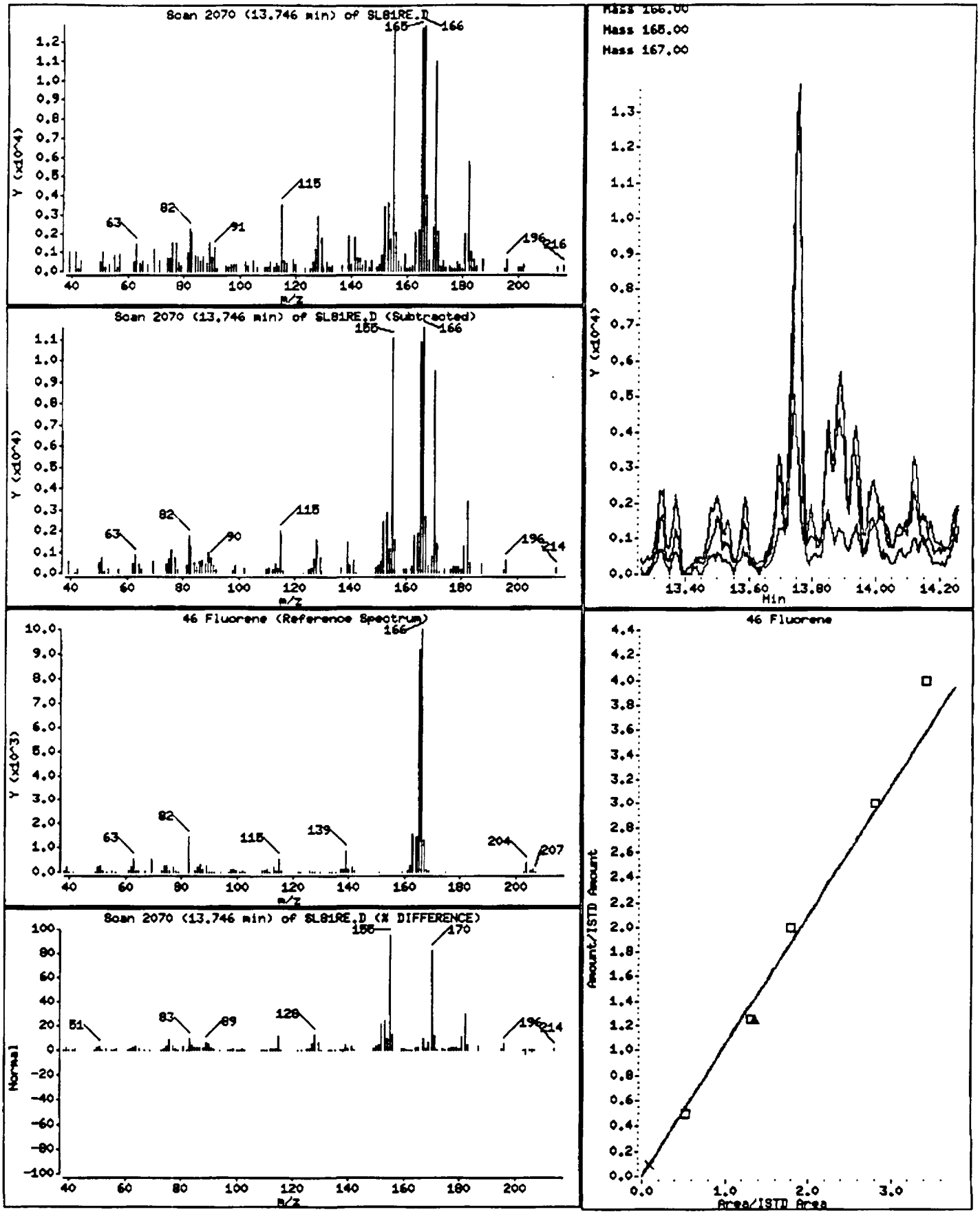




39 Acenaphthene



46 Fluorene


Scan 2070 (13.746 min) of SL81RE.D
Y (x10^4)
m/z
Scan 2070 (13.746 min) of SL81RE.D (Subtracted)
Mass 166.00
Mass 165.00
Mass 167.00
Y (x10^4)
Min
46 Fluorene (Reference Spectrum)
Y (x10^3)
m/z
Scan 2070 (13.746 min) of SL81RE.D (% DIFFERENCE)
Normal
m/z
46 Fluorene
Amount/ISTD Amount
Area/ISTD Area

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D
Lab Smp Id: DPDH92AD Client Smp ID: SL-81
Inj Date : 04-DEC-2000 16:04
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpdh92ad,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 5
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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	30.020	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	6.855	752826	40.000
* 2 Naphthalene-d8	9.189	1049900	40.000
* 3 Acenaphthene-d10	12.662	1229332	40.000
* 4 Phenanthrene-d10	15.626	996590	40.000
* 5 Chrysene-d12	20.963	737514	40.000
* 6 Perylene-d12	23.629	566108	40.000

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Aromatic					CAS #:		
7.309	85519	4.54389195	150	99		0	1
Unknown Aromatic					CAS #:		
7.432	120464	6.40062910	210	99		0	1
Unknown Aromatic					CAS #:		
7.816	158654	8.42978324	280	99		0	1
Unknown Aromatic					CAS #:		
9.969	126114	4.80480046	160	99		0	2
Unknown Aromatic					CAS #:		
10.129	149968	5.71361082	190	99		0	2
Unknown Aromatic					CAS #:		
10.322	154190	5.87446423	200	99		0	2
Unknown Hydrocarbon					CAS #:		
10.439	121031	4.61114392	150	99		0	2
Unknown PAH					CAS #:		
10.786	1495627	56.9816935	1900	99		0	2
Unknown PAH					CAS #:		
11.705	542662	17.6571341	590	99		0	3
Unknown PAH					CAS #:		
11.839	1453661	47.2992162	1600	9		0	3
Unknown PAH					CAS #:		
11.999	1650851	53.7153836	1800	99		0	3
Unknown PAH					CAS #:		
12.047	870890	28.3370155	940	99		0	3
Unknown PAH					CAS #:		
12.224	945320	30.7588186	1000	99		0	3
Unknown PAH					CAS #:		
12.384	424051	13.7977600	460	99		0	3
Unknown					CAS #:		
12.416	185477	6.03504949	200	0		0	3

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown PAH					CAS #:		
12.891	368994	12.0063254	400	99		0	3
Unknown Aromatic					CAS #:		
12.993	148591	4.83485340	160	99		0	3
Unknown PAH					CAS #:		
13.100	435894	14.1831240	470	99		0	3
Unknown PAH					CAS #:		
13.169	448820	14.6037035	490	99		0	3
Unknown PAH					CAS #:		
13.324	248746	8.09369641	270	99		0	3
Unknown PAH					CAS #:		
13.367	291798	9.49452223	320	99		0	3
Unknown PAH					CAS #:		
13.500	573506	18.6607361	620	99		0	3
Unknown					CAS #:		
14.569	197114	7.91153835	260	0		0	4
Unknown Organic Acid					CAS #:		
20.173	77978	4.22923497	140	99		0	5
Unknown					CAS #:		
25.488	518423	36.6306782	1200	0		0	6
Unknown					CAS #:		
25.654	117080	8.27262642	280	0		0	6
Unknown					CAS #:		
28.026	1299351	91.8094074	3000	0		0	6

Data File: \\qcanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90.sub

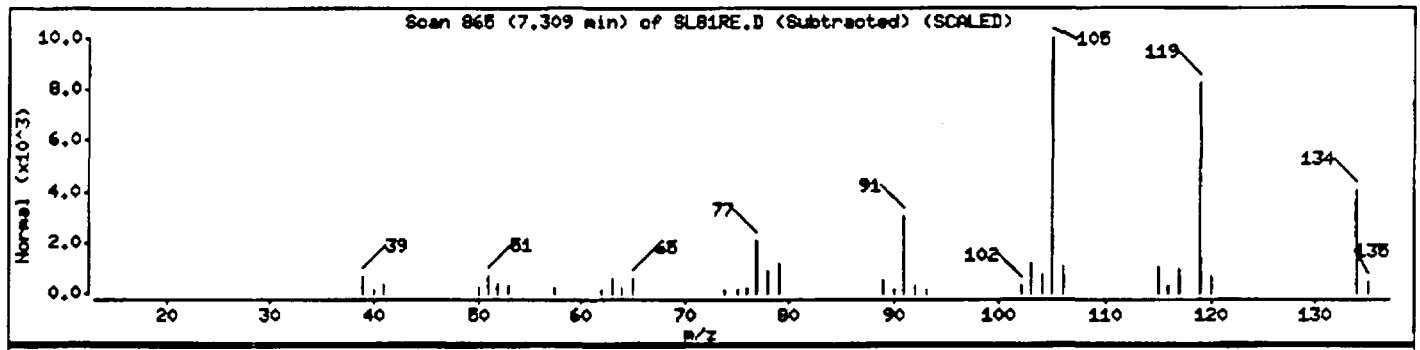
Volume Injected (uL): 2.0

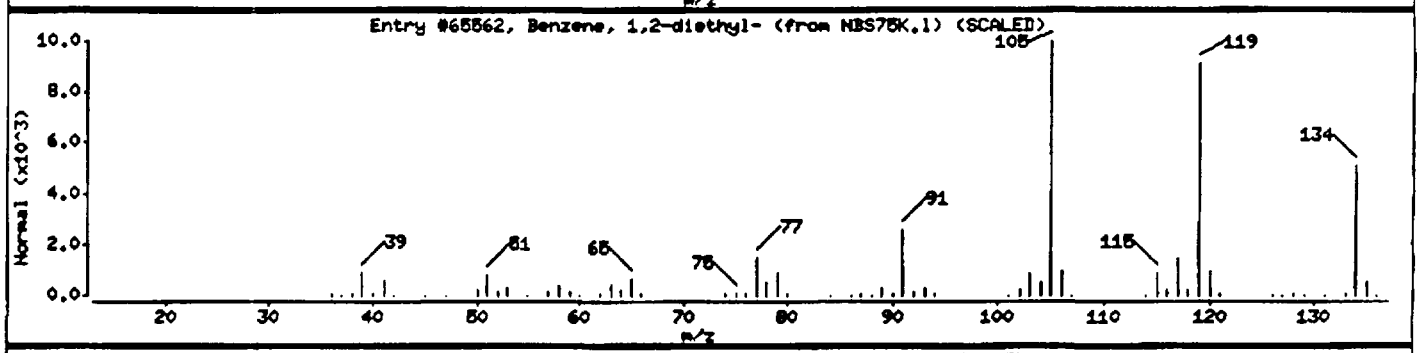
Operator: 001574

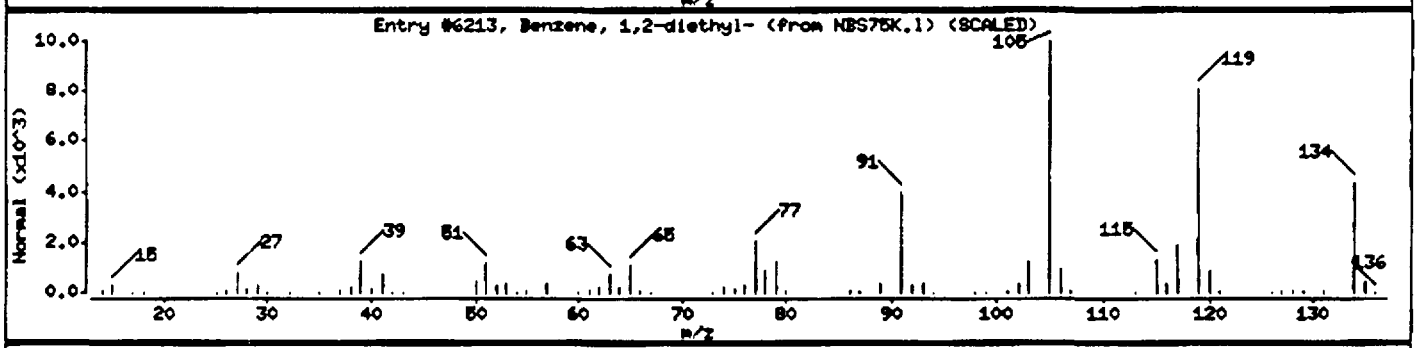
Column phase:

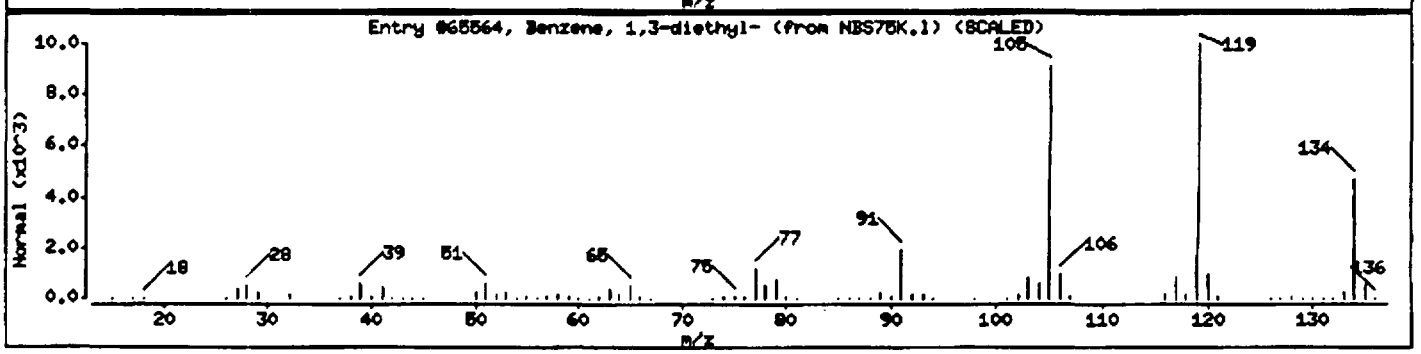
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	65562	95	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NBS75K.l	6213	94	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NBS75K.l	65564	94	C10H14	134









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,i-olp90.sub

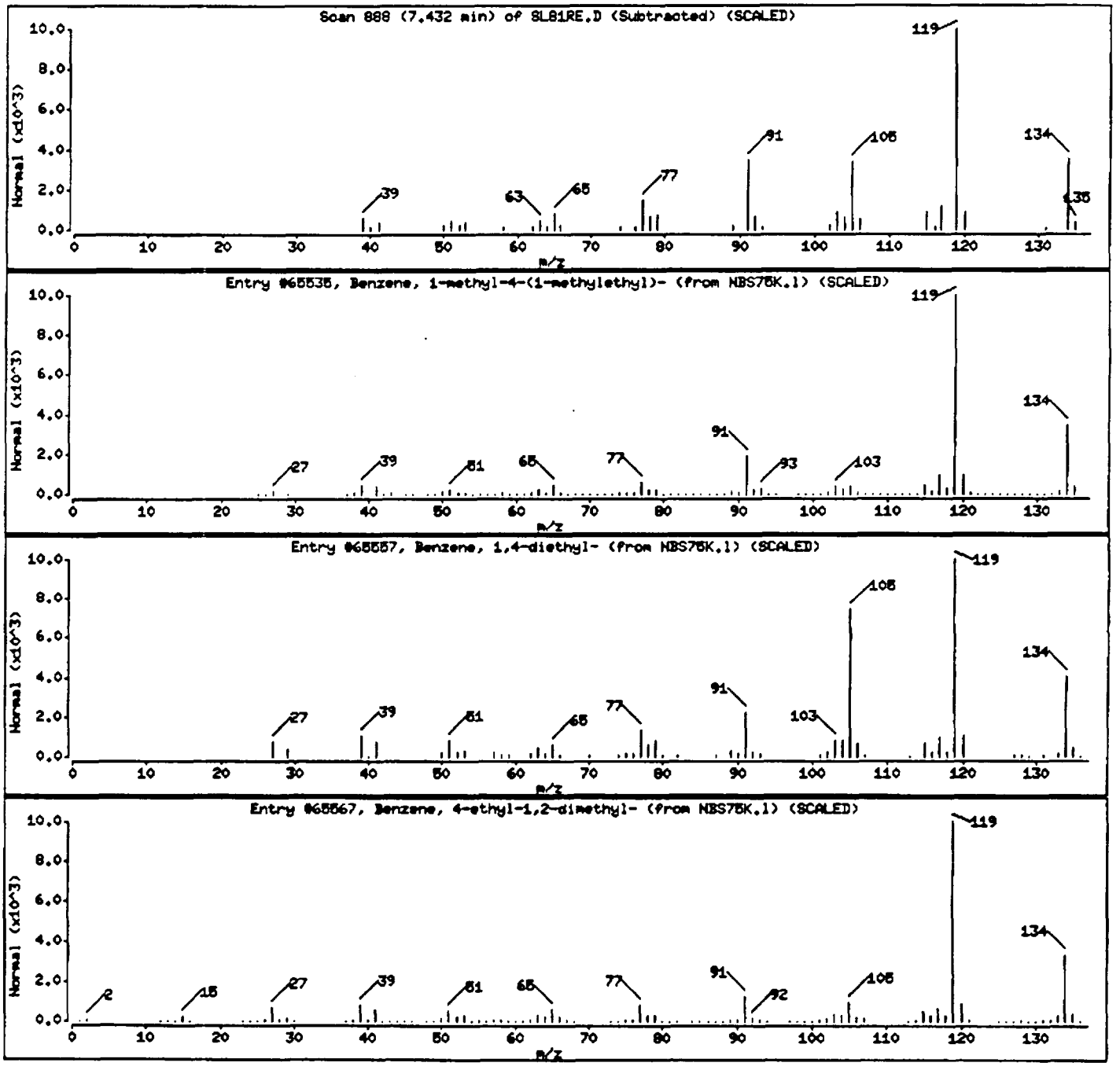
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	93	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NBS75K.l	65557	91	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65567	91	C10H14	134



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Date : 04-DEC-2000 16:04

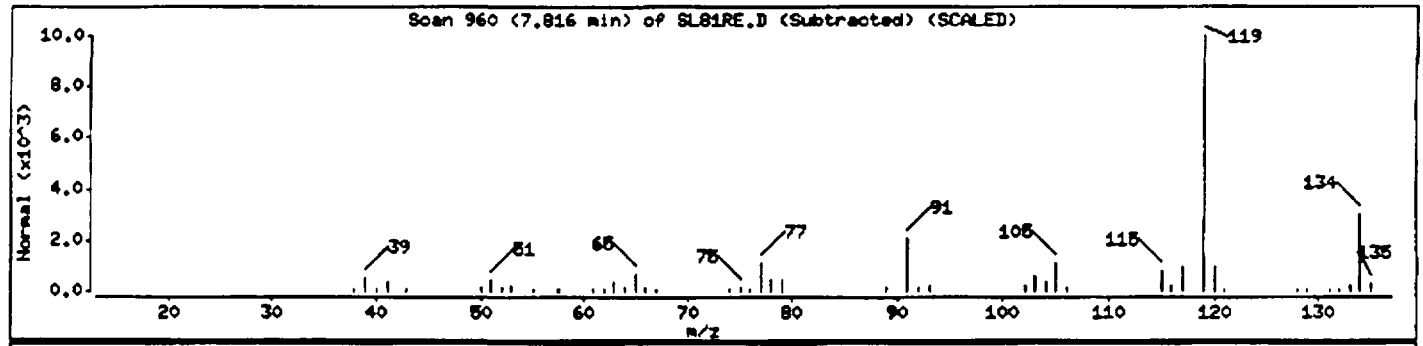
Client ID: SL-81 Instrument: a4hp9.i

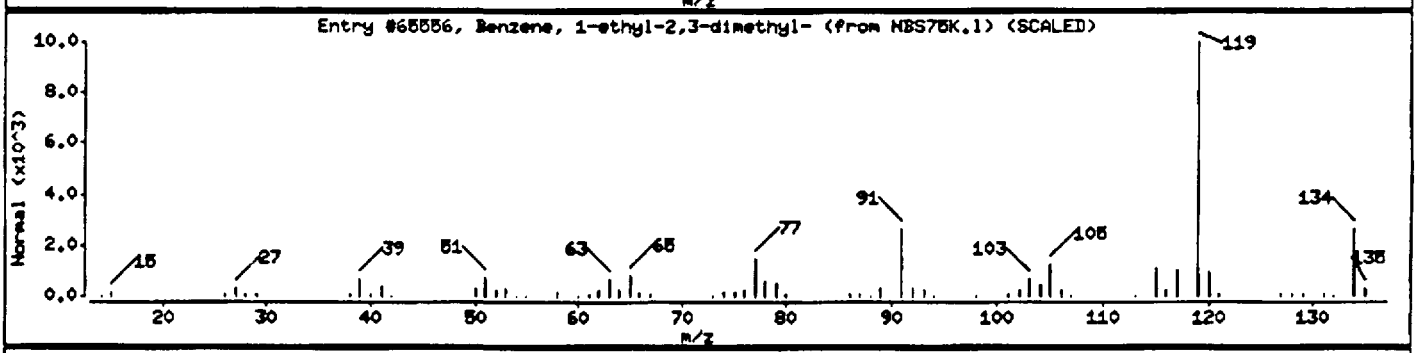
Sample Info: dpdh92ad,01204a.b,olp31,1-olp90,sub

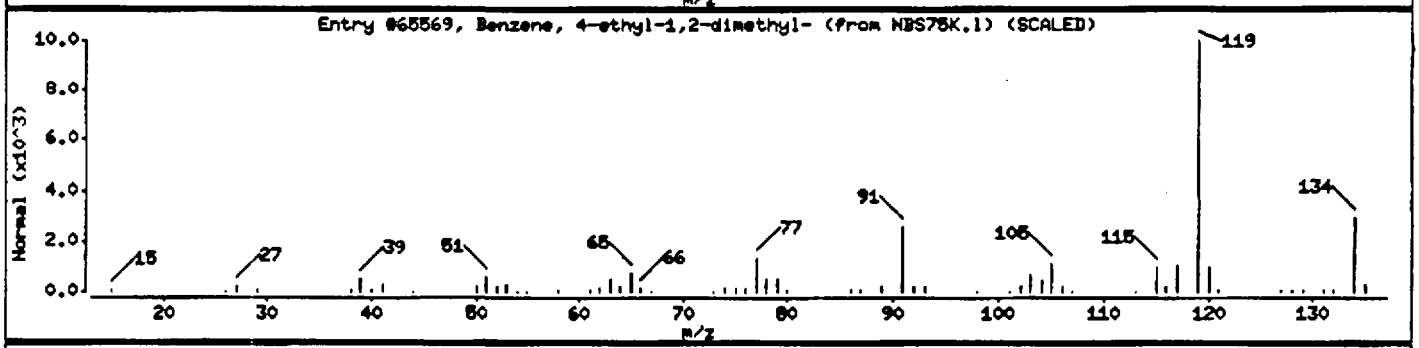
Volume Injected (uL): 2.0 Operator: 001574

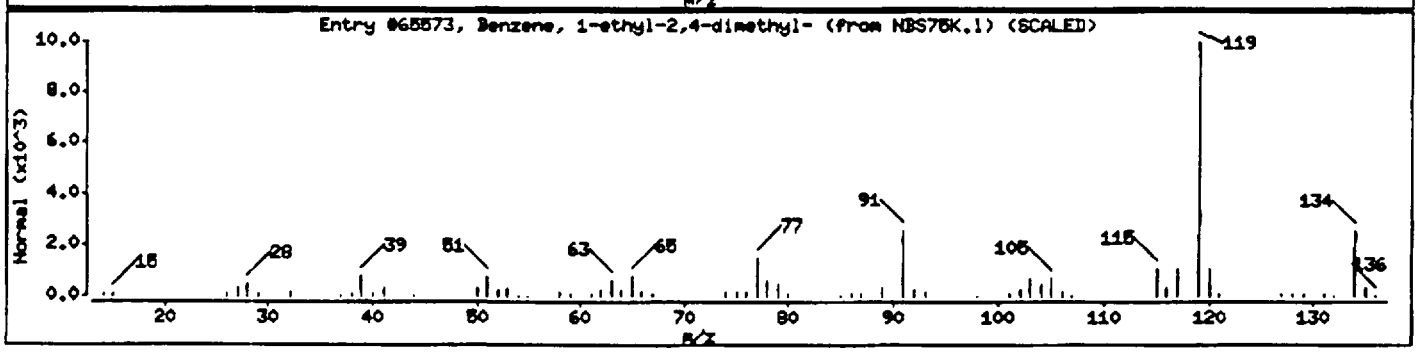
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.l	65556	96	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	96	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65573	95	C10H14	134









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Date : 04-DEC-2000 16:04

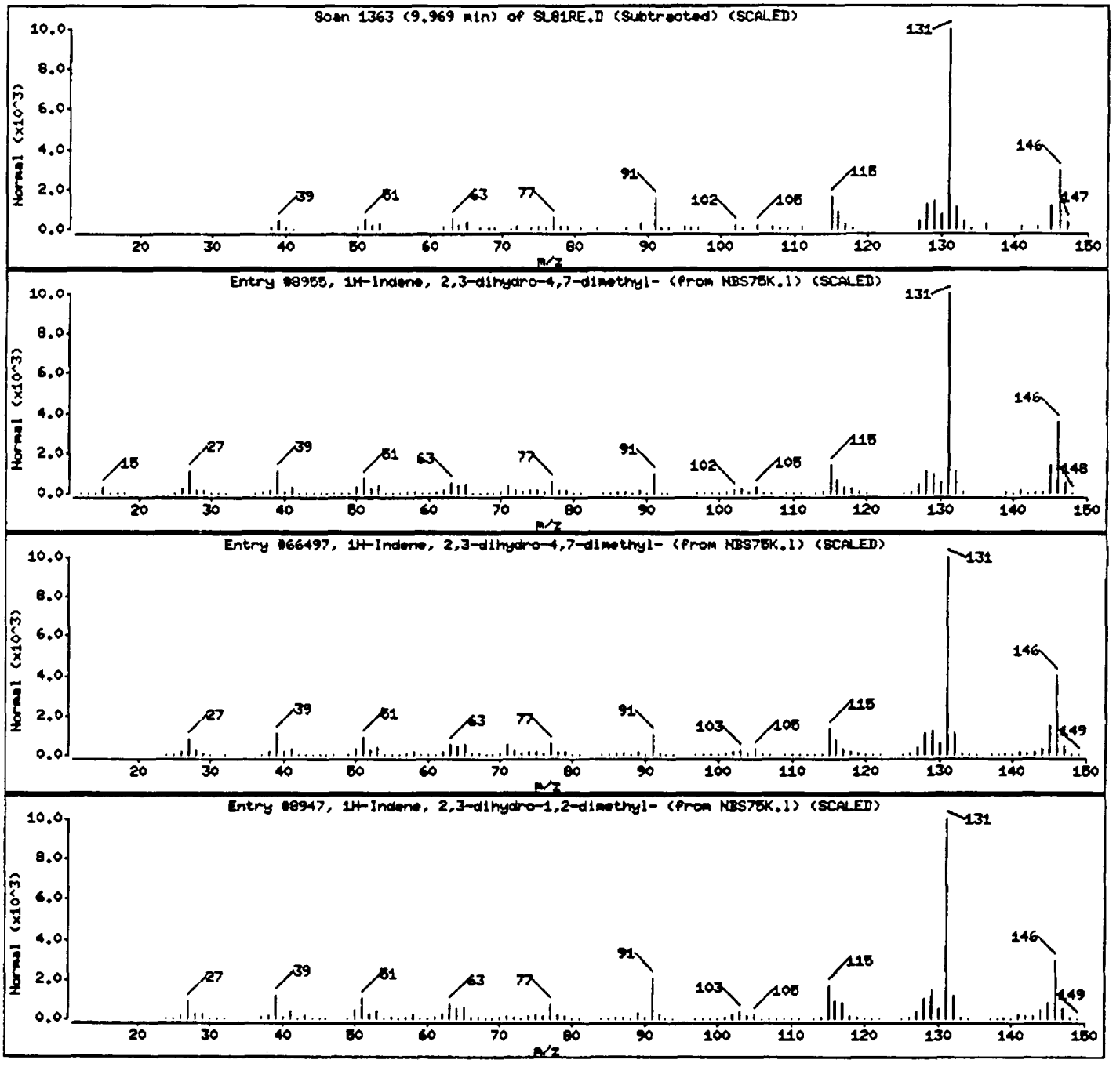
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.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 Aromatic						
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	97	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	66497	95	C11H14	146
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	NBS75K.l	8947	94	C11H14	146



Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90.sub

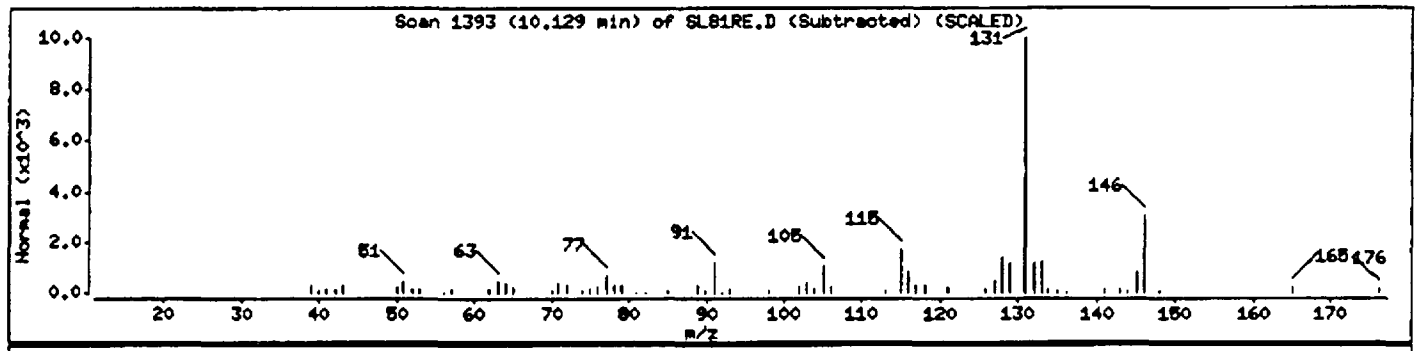
Volume Injected (uL): 2.0

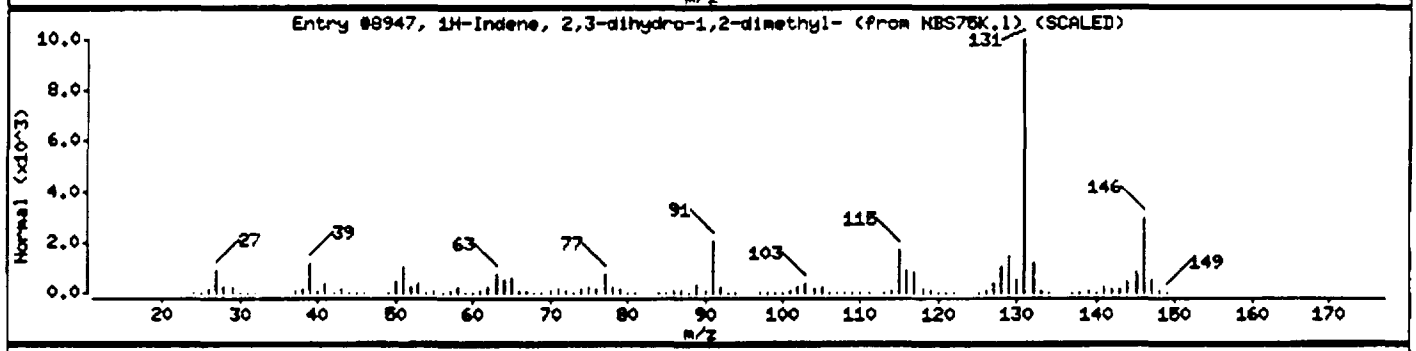
Operator: 001574

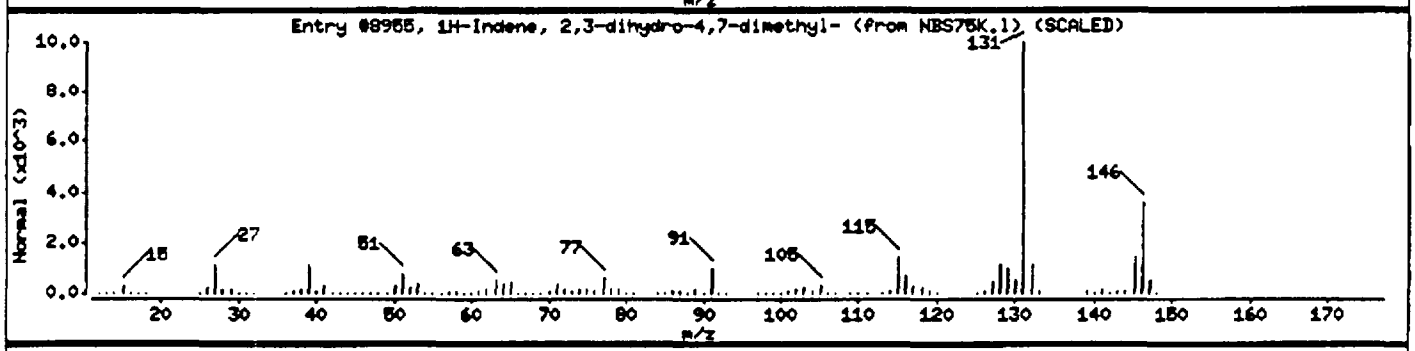
Column phase:

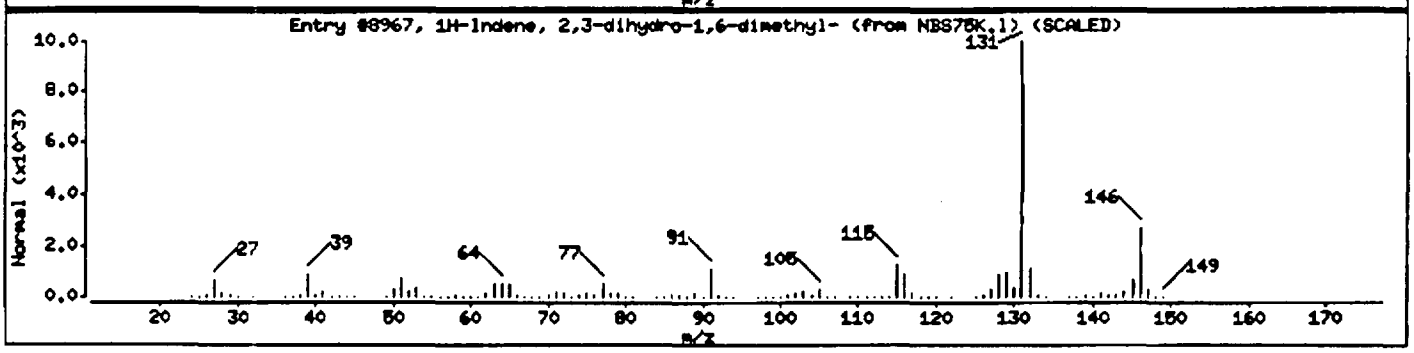
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	NBS75K.l	8947	90	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8965	90	C11H14	146
1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	NBS75K.l	8967	90	C11H14	146









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

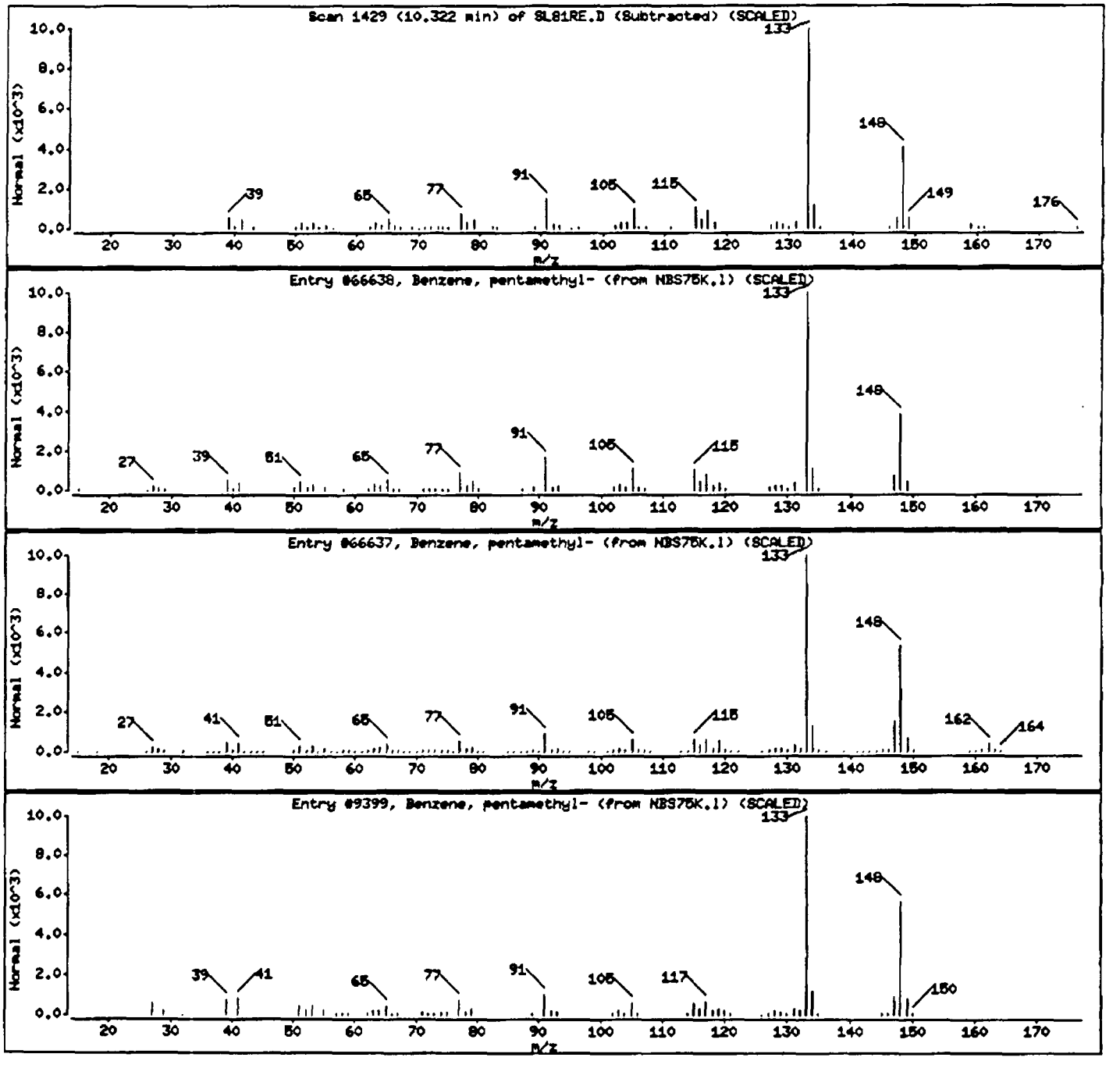
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.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 Aromatic						
Benzene, pentamethyl-	700-12-9	NBS75K.l	66638	94	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66637	91	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	9399	91	C11H16	148



Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,clp31,1-clp90.sub

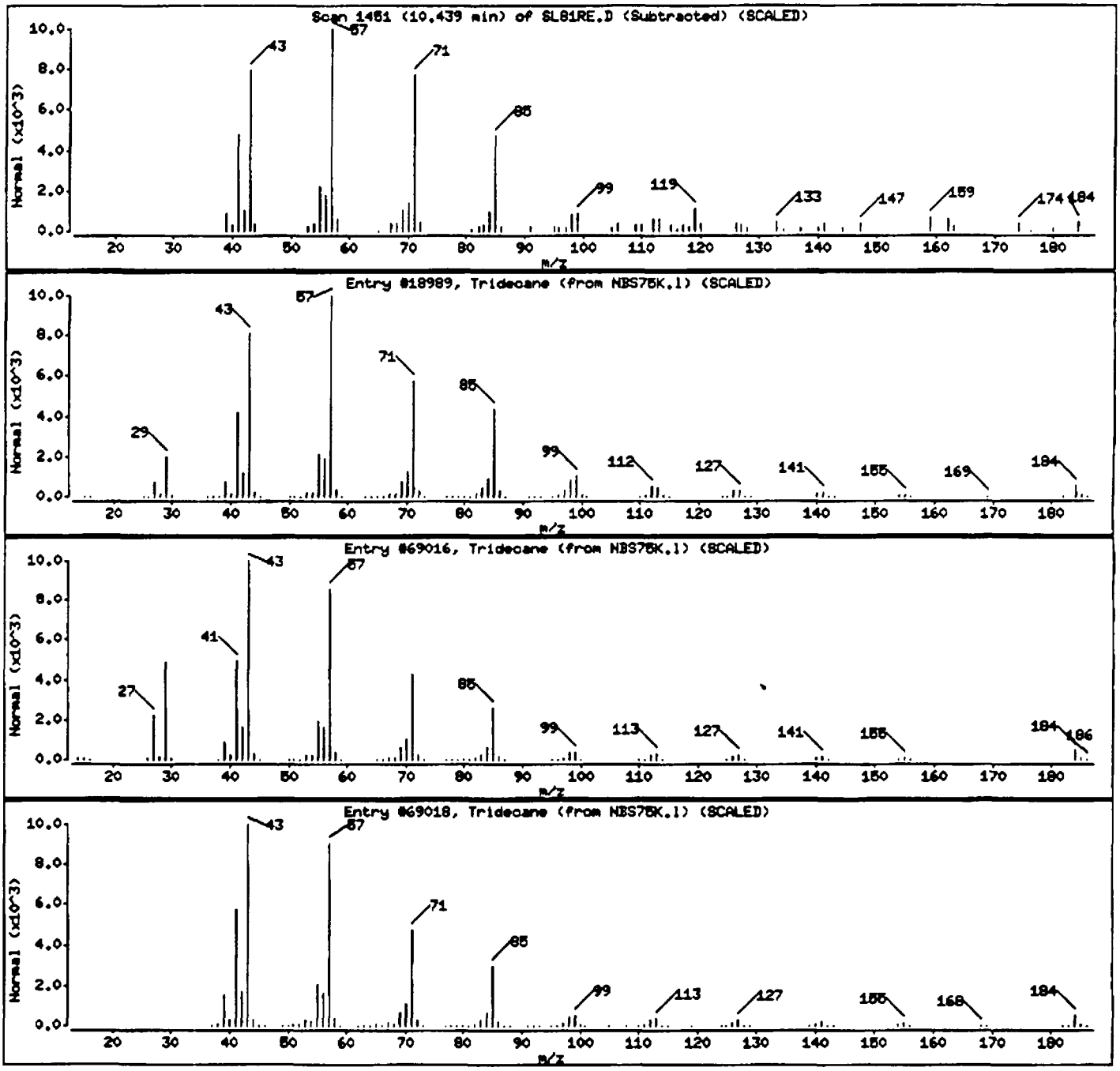
Volume Injected (uL): 2.0

Operator: 001874

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
Tridecane	629-50-5	NBS75K.1	18989	95	C13H28	184
Tridecane	629-50-5	NBS75K.1	69016	90	C13H28	184
Tridecane	629-50-5	NBS75K.1	69018	81	C13H28	184



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Date : 04-DEC-2000 16:04

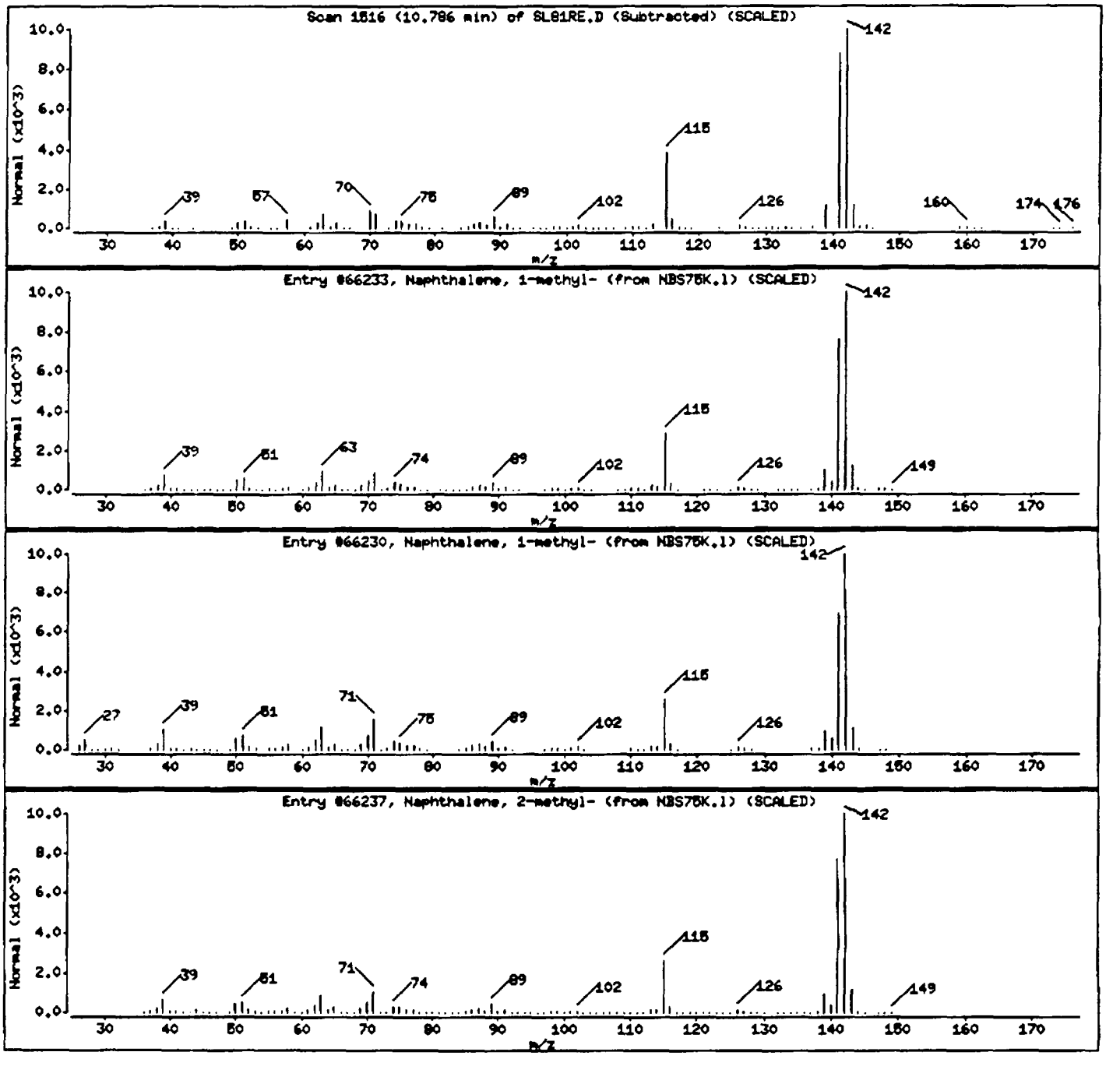
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0 Operator: 001574

Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66233	93	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66230	91	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66237	91	C11H10	142



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Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90,sub

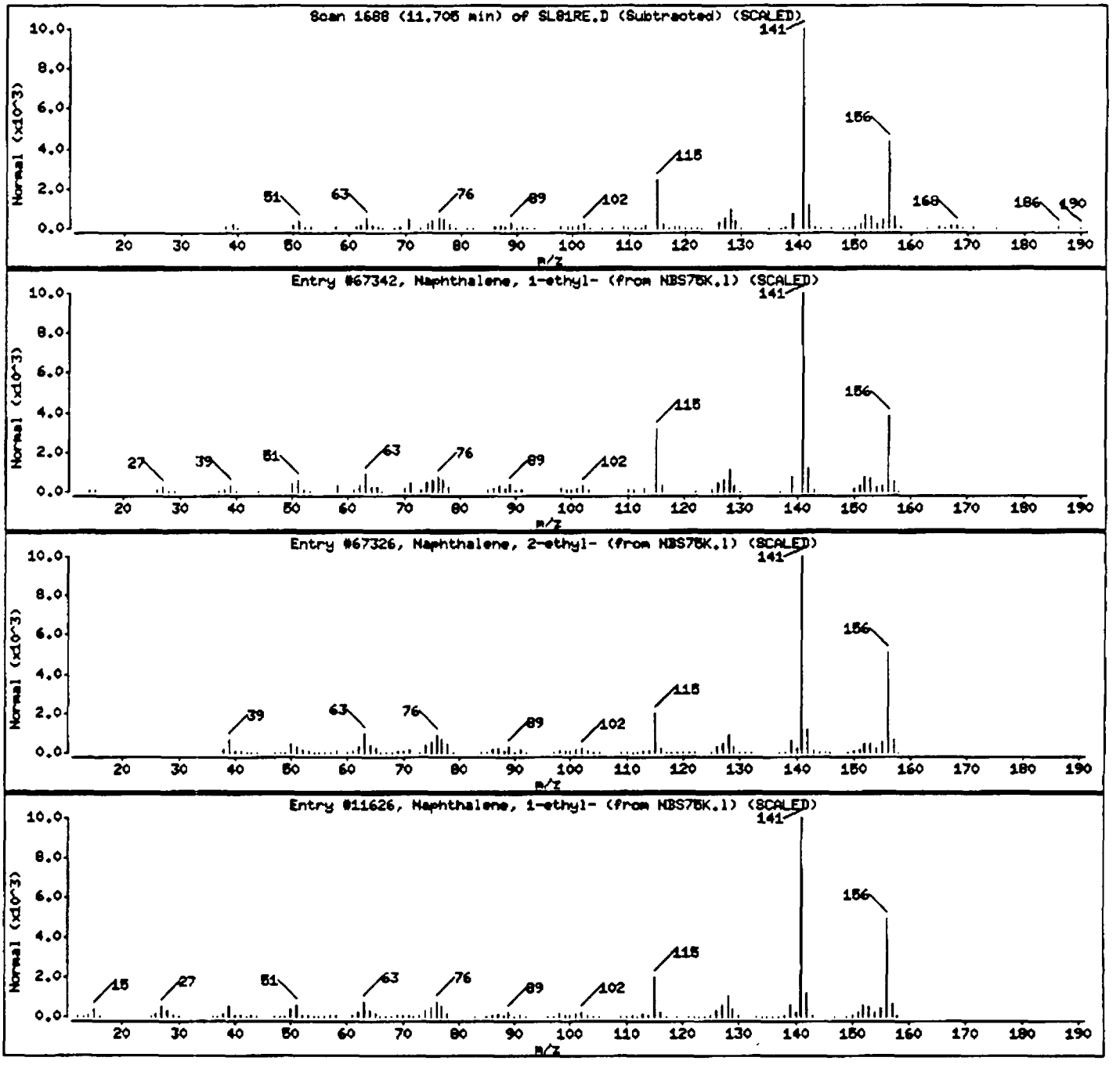
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	67342	97	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	67326	95	C12H12	156
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	11626	94	C12H12	156



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Date : 04-DEC-2000 16:04

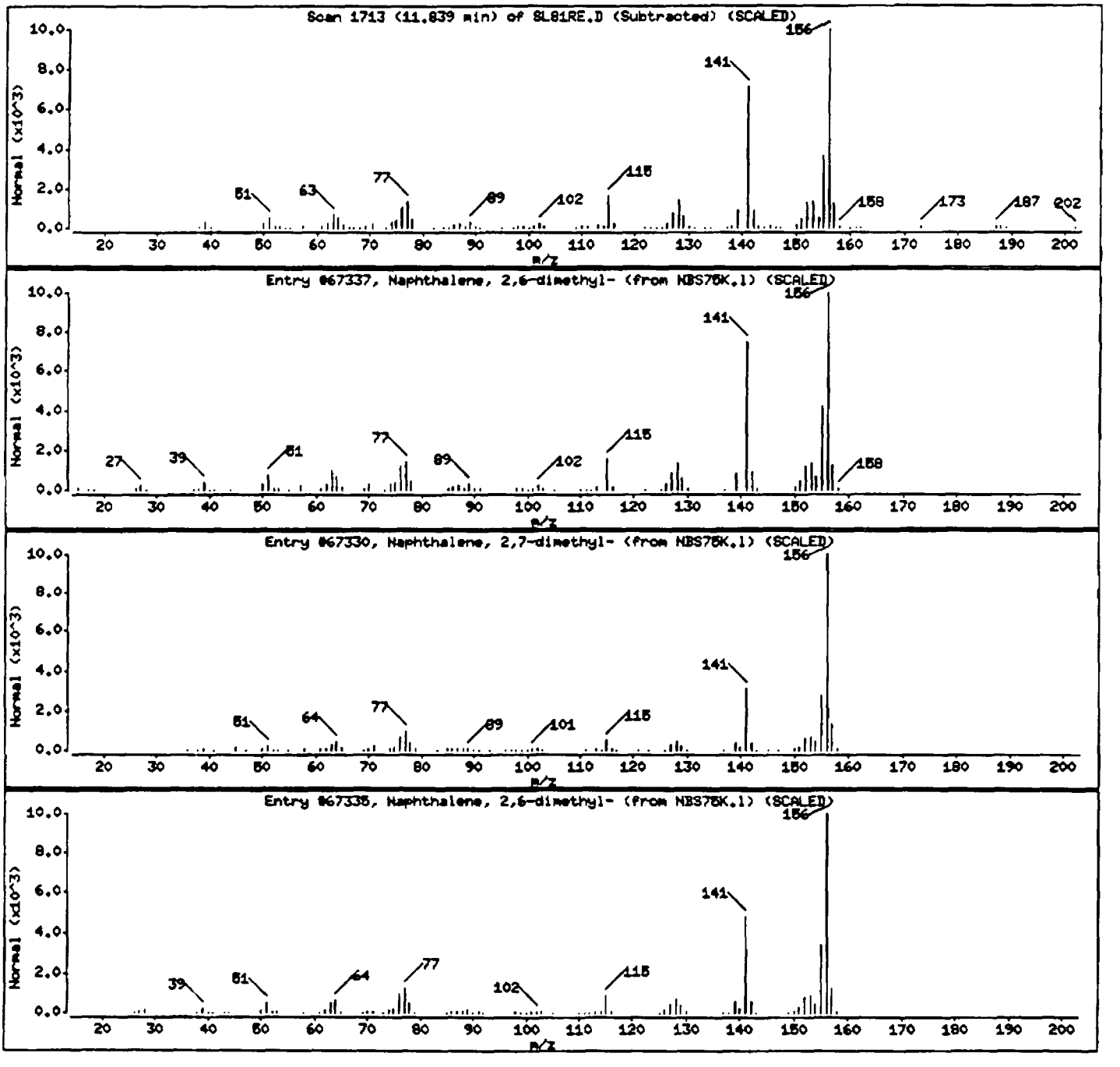
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.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						
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67337	98	C12H12	156
Naphthalene, 2,7-dimethyl-	582-16-1	NBS75K.l	67330	97	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67335	97	C12H12	156



Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,clp31,1-clp90.sub

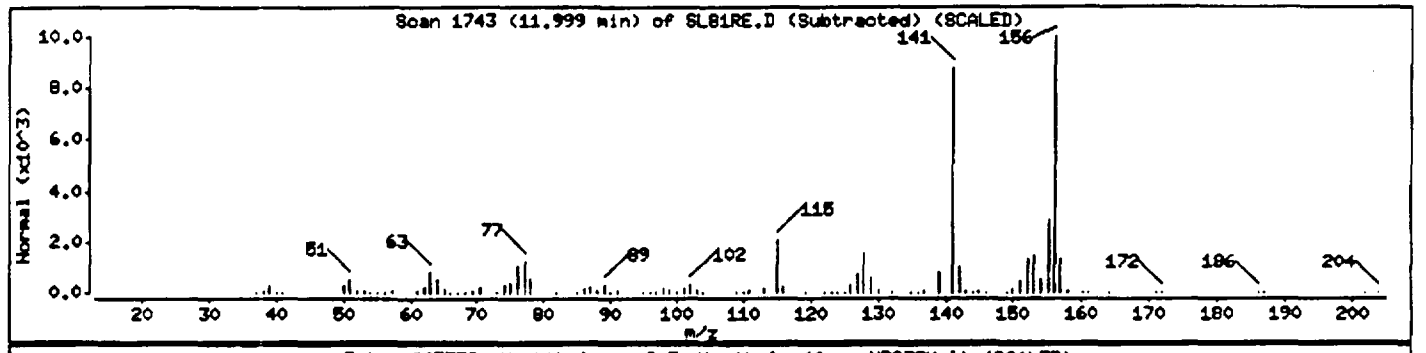
Volume Injected (uL): 2.0

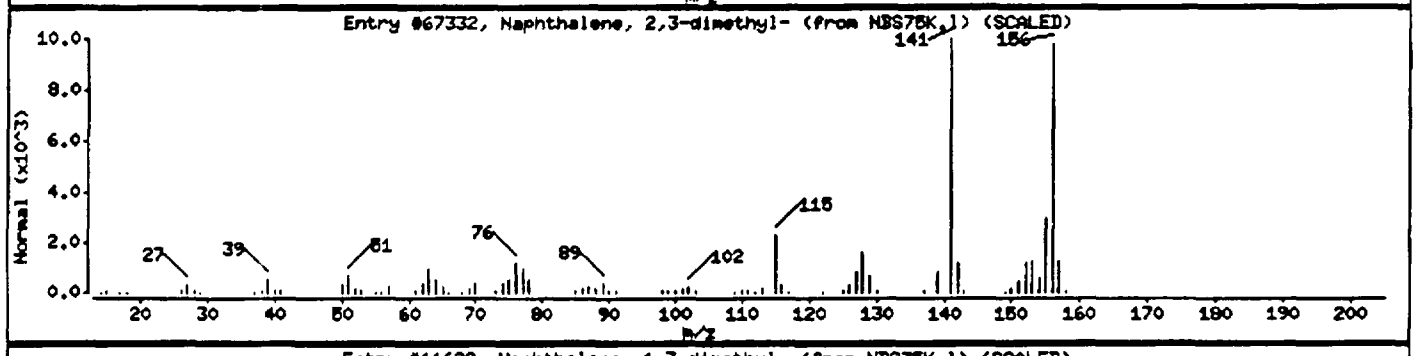
Operator: 001574

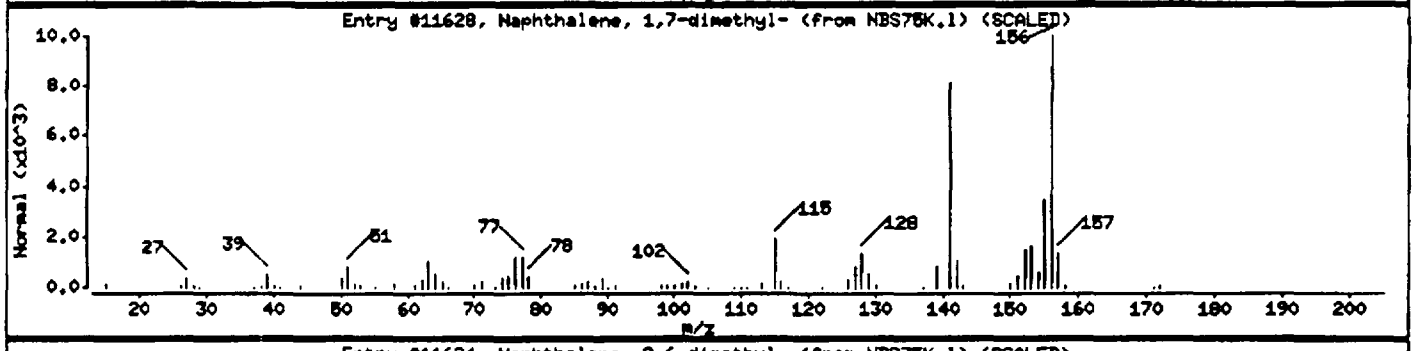
Column phase:

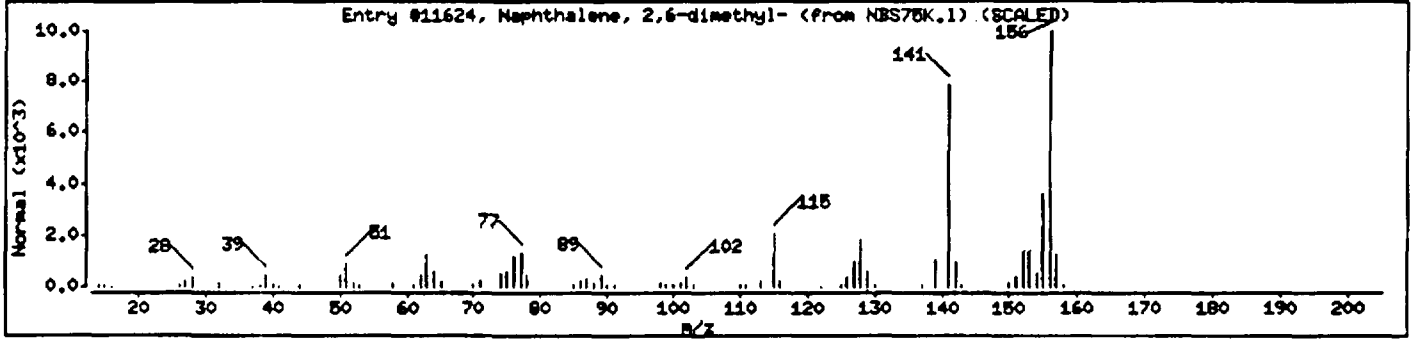
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67332	98	C12H12	156
Naphthalene, 1,7-dimethyl-	575-37-1	NBS75K.l	11628	98	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	11624	98	C12H12	156









Data File: \\qoanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90.sub

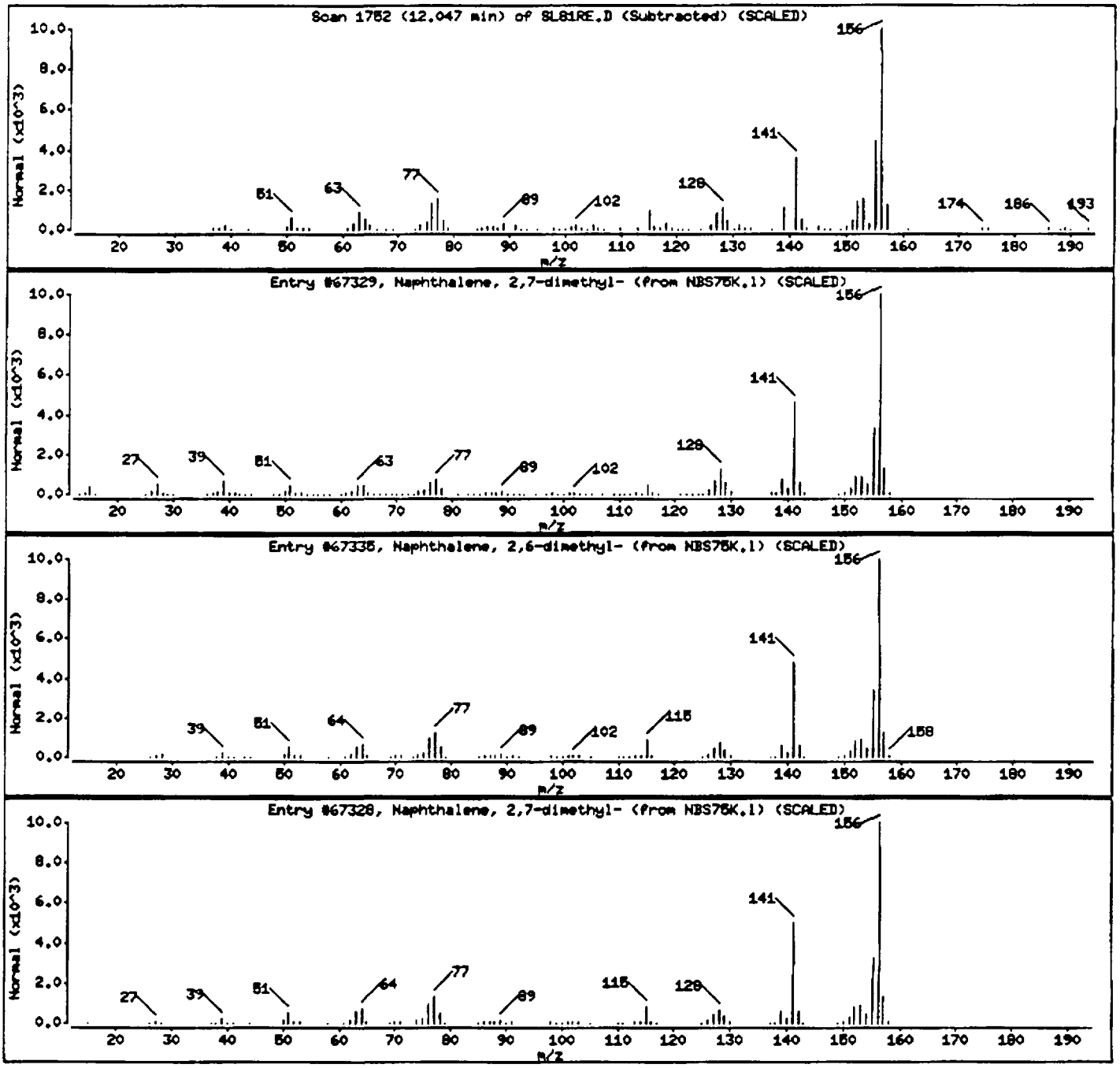
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,7-dimethyl-	582-16-1	NBS75K.l	67329	94	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67335	87	C12H12	156
Naphthalene, 2,7-dimethyl-	582-16-1	NBS75K.l	67328	87	C12H12	156



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Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,clp31,1-clp90.sub

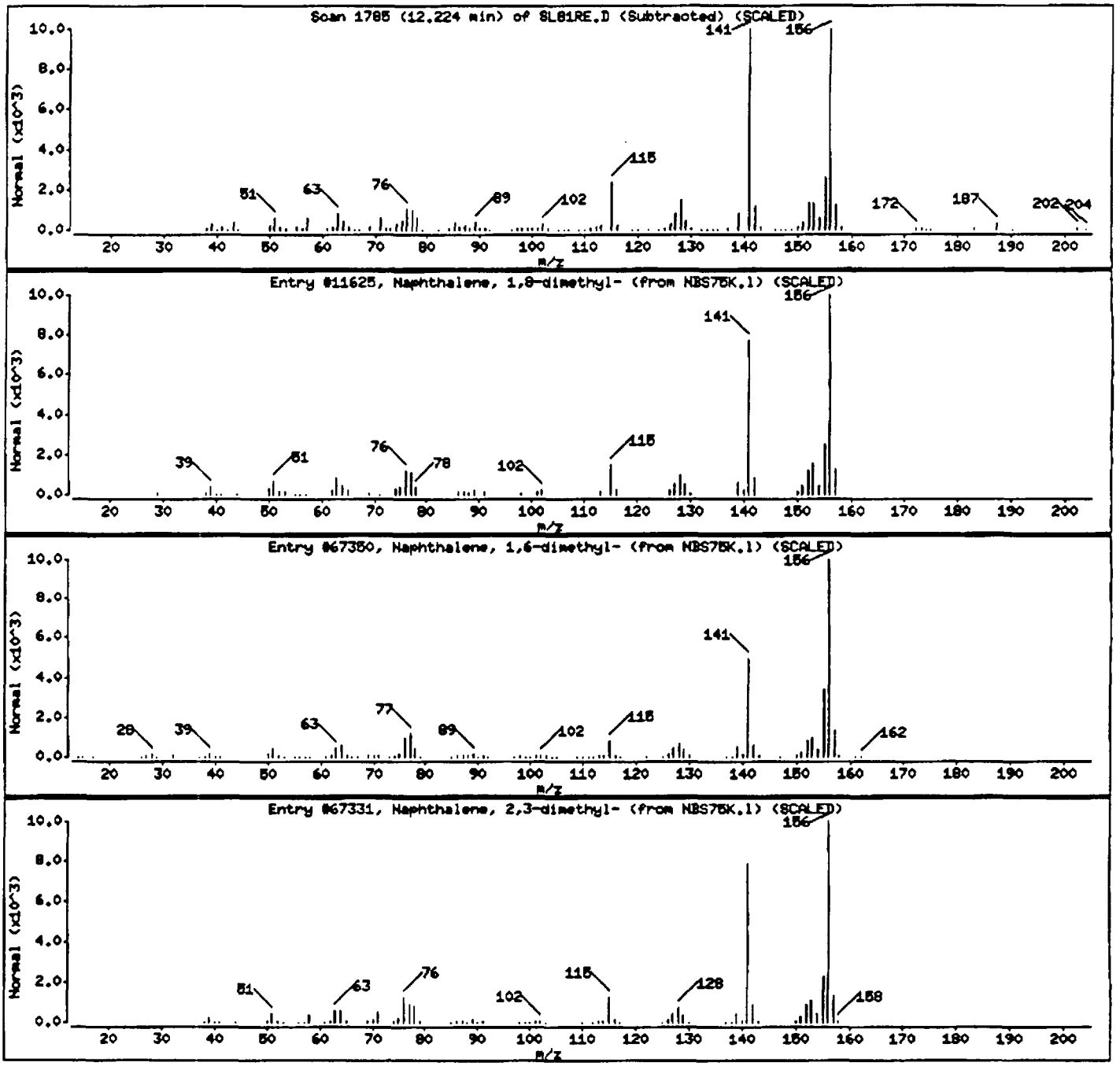
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,8-dimethyl-	569-41-5	NBS75K.l	11625	96	C12H12	156
Naphthalene, 1,6-dimethyl-	575-43-9	NBS75K.l	67350	96	C12H12	156
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67331	96	C12H12	156



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Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,clp31,1-clp90.sub

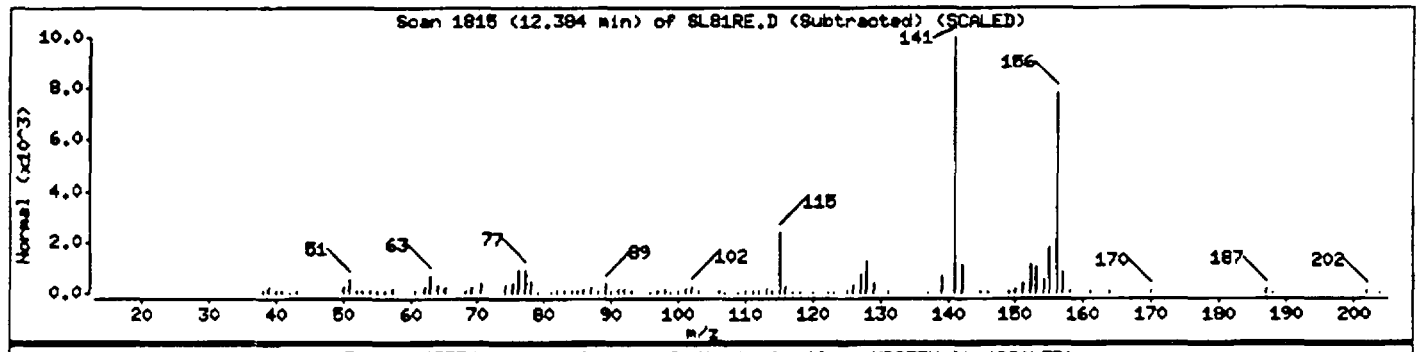
Volume Injected (uL): 2.0

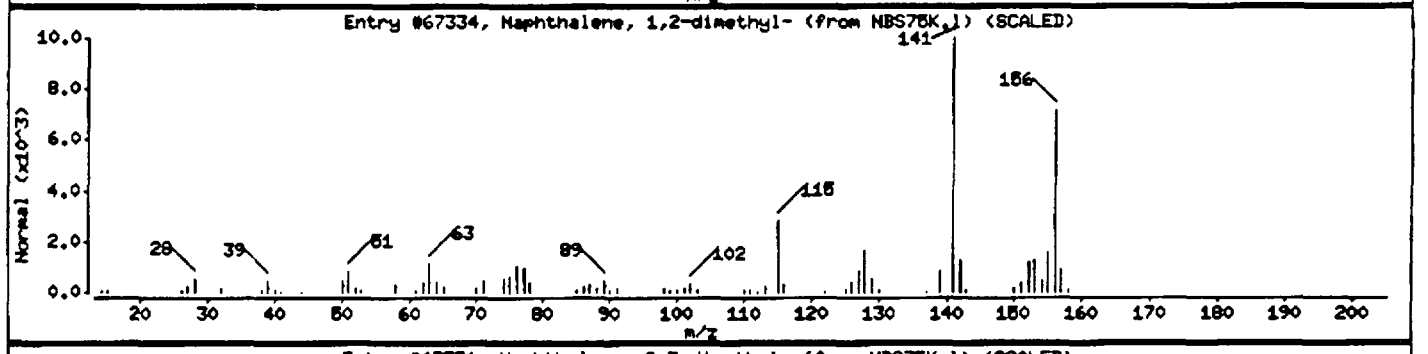
Operator: 001574

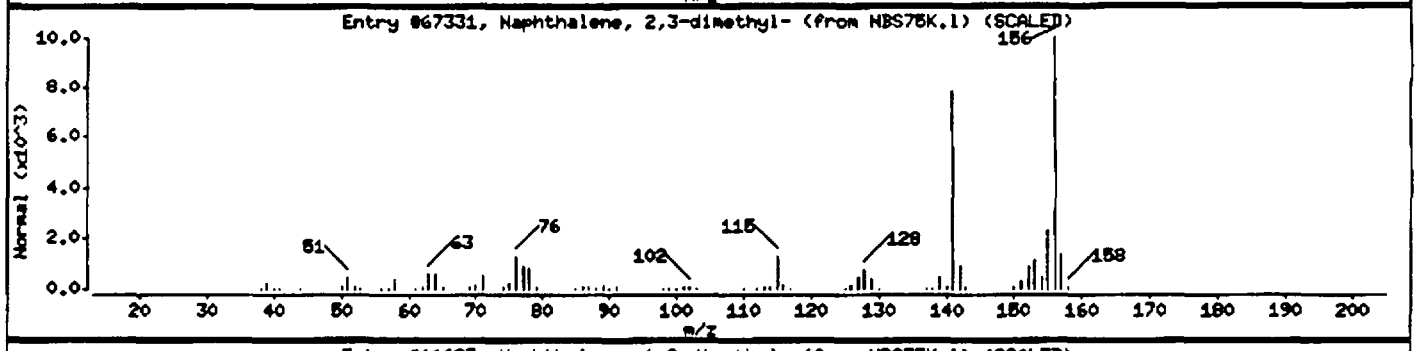
Column phase:

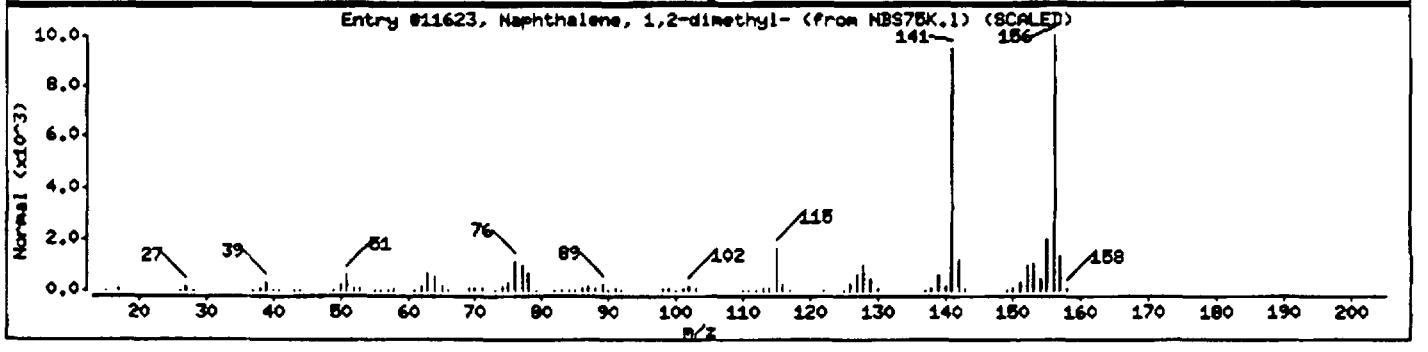
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,2-dimethyl-	573-98-8	NBS75K.l	67334	96	C12H12	156
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67331	94	C12H12	156
Naphthalene, 1,2-dimethyl-	573-98-8	NBS75K.l	11623	94	C12H12	156









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

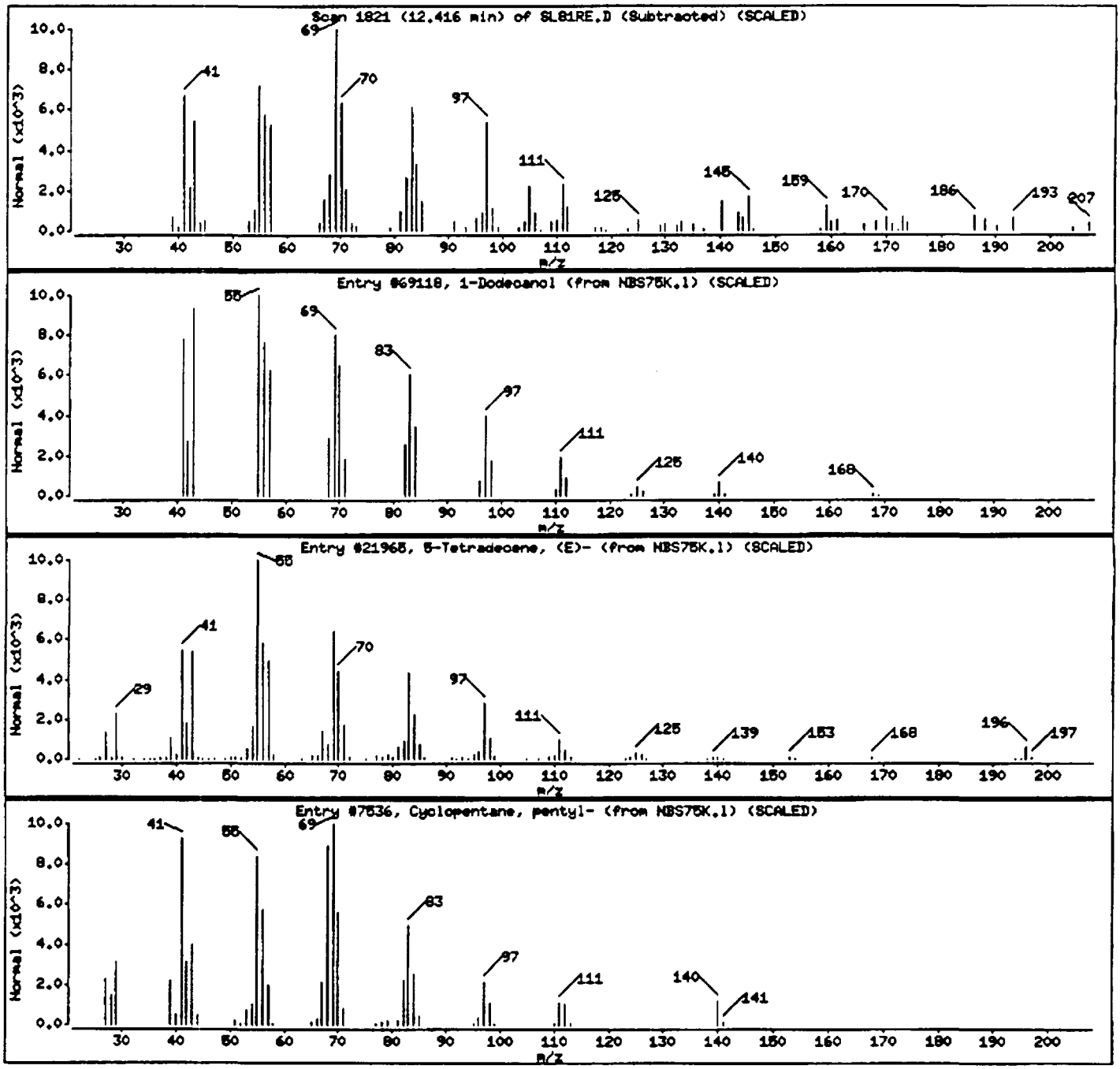
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.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-Dodecanol	112-53-8	NBS75K.l	69118	91	C12H26O	186
5-Tetradecene, (E)-	41446-66-6	NBS75K.l	21965	90	C14H28	196
Cyclopentane, pentyl-	3741-00-2	NBS75K.l	7536	81	C10H20	140



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Date : 04-DEC-2000 16:04

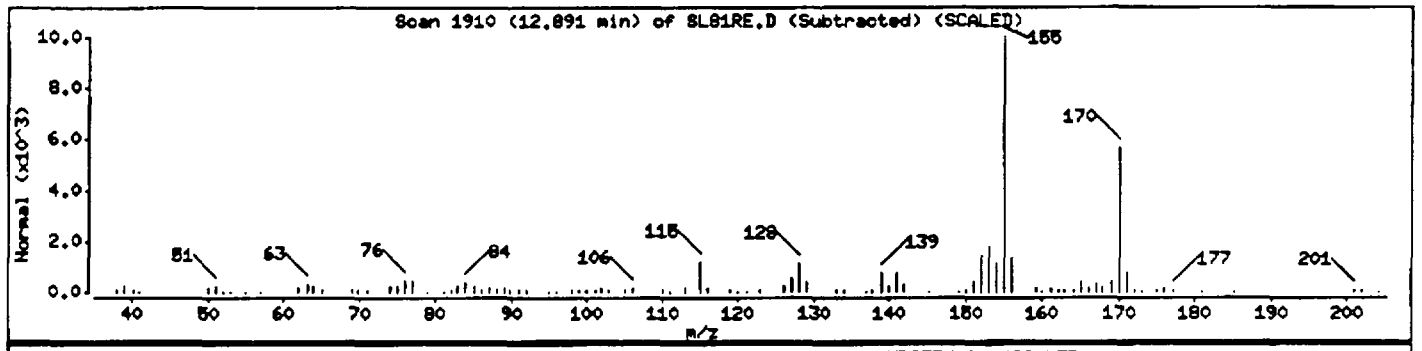
Client ID: SL-91 Instrument: a4hp9.i

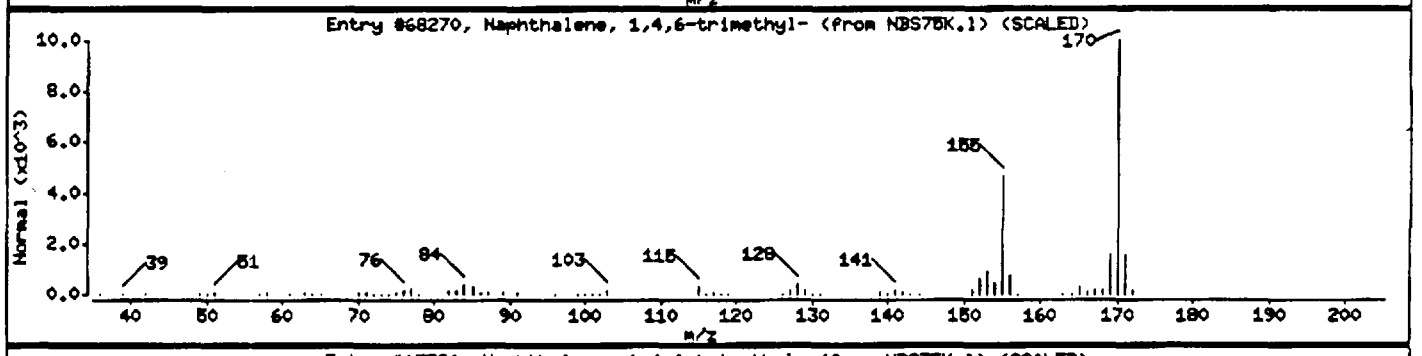
Sample Info: dpdh92ad,01204a.b,olp31,1-olp90,sub

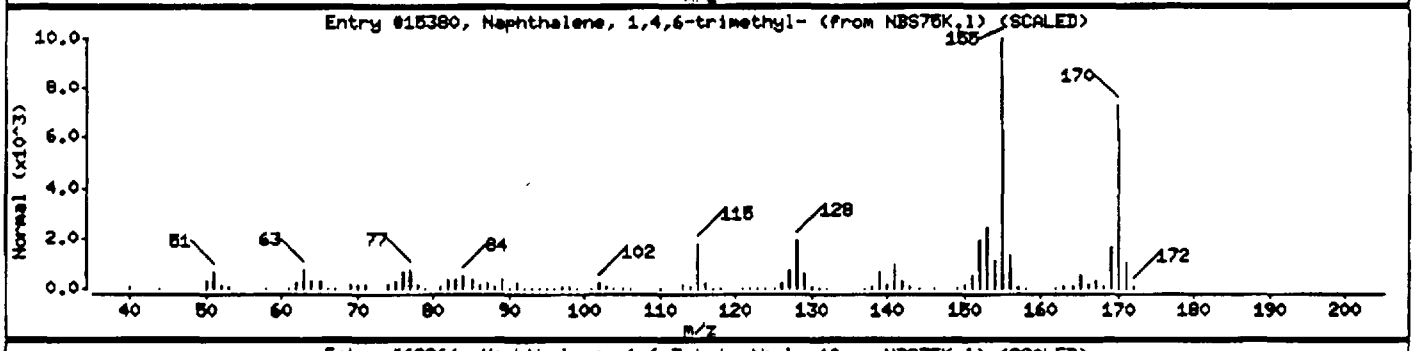
Volume Injected (uL): 2.0 Operator: 001574

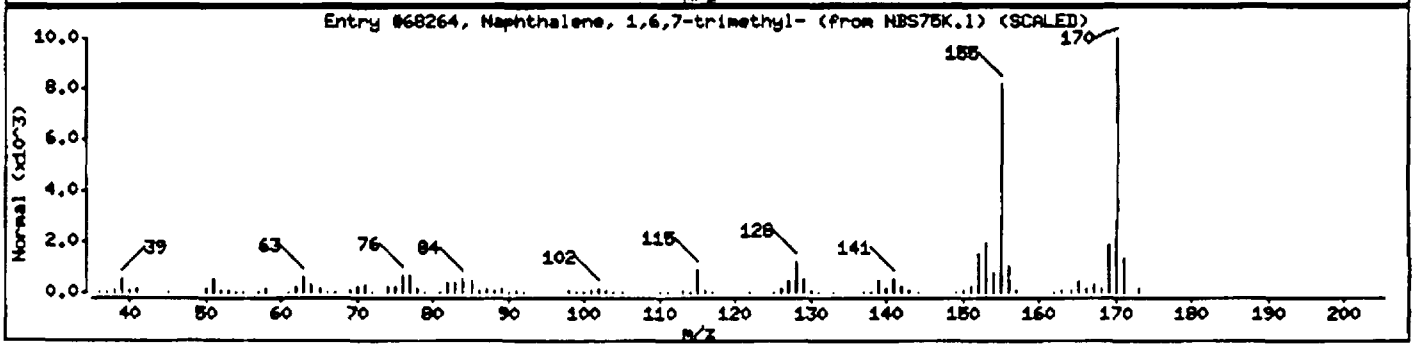
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.1	68270	94	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.1	15380	93	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.1	68264	93	C13H14	170









Data File: \\qcanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

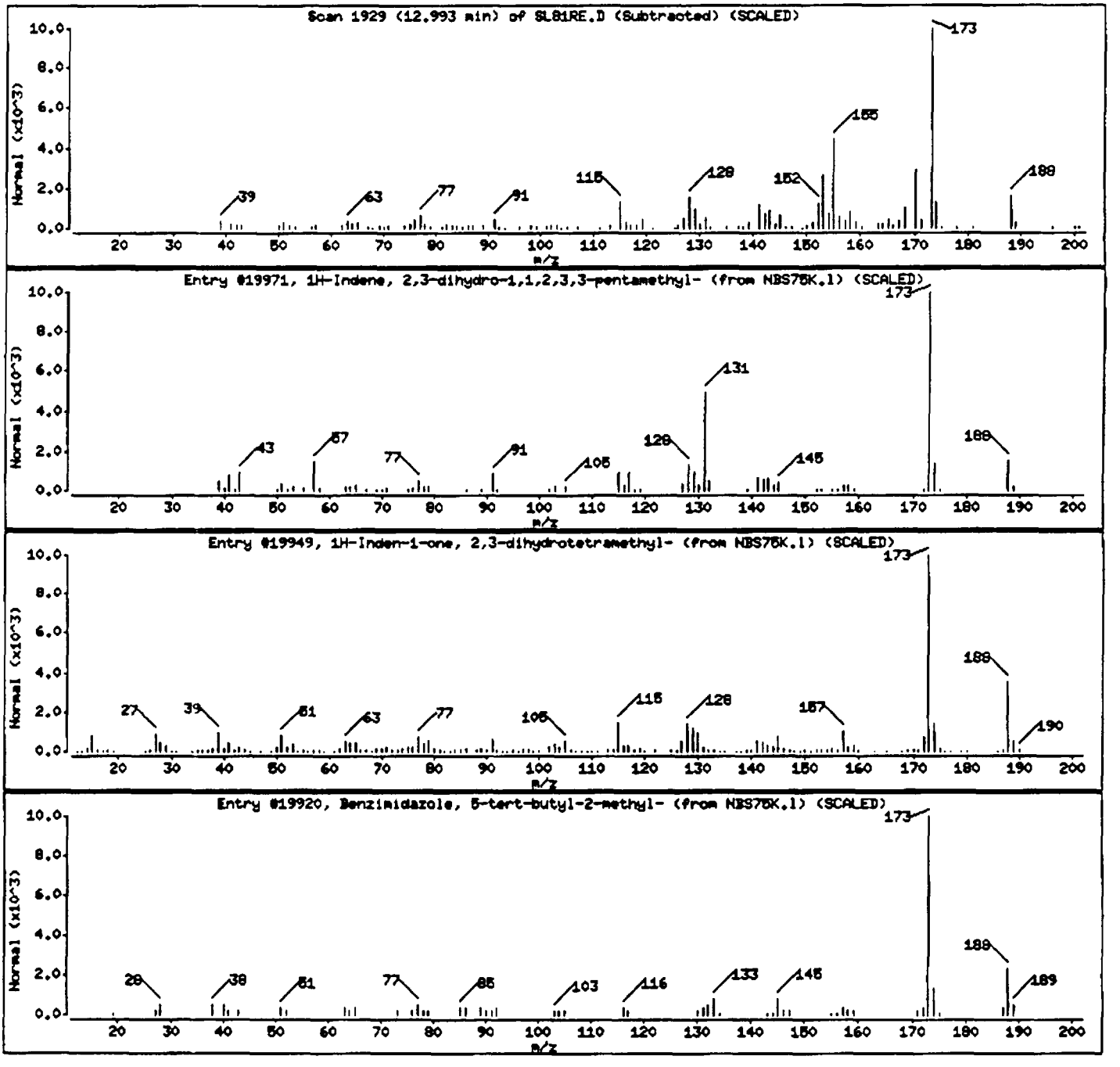
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.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 Aromatic						
1H-Indene, 2,3-dihydro-1,1,2,3,3-pentame	1203-17-4	NBS75K.l	19971	64	C14H20	188
1H-Inden-1-one, 2,3-dihydrotetramethyl-	89907-33-5	NBS75K.l	19949	41	C13H16O	188
Benzimidazole, 5-tert-butyl-2-methyl-	5805-62-9	NBS75K.l	19920	38	C12H16N2	188



Data File: \\qoanch05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90.sub

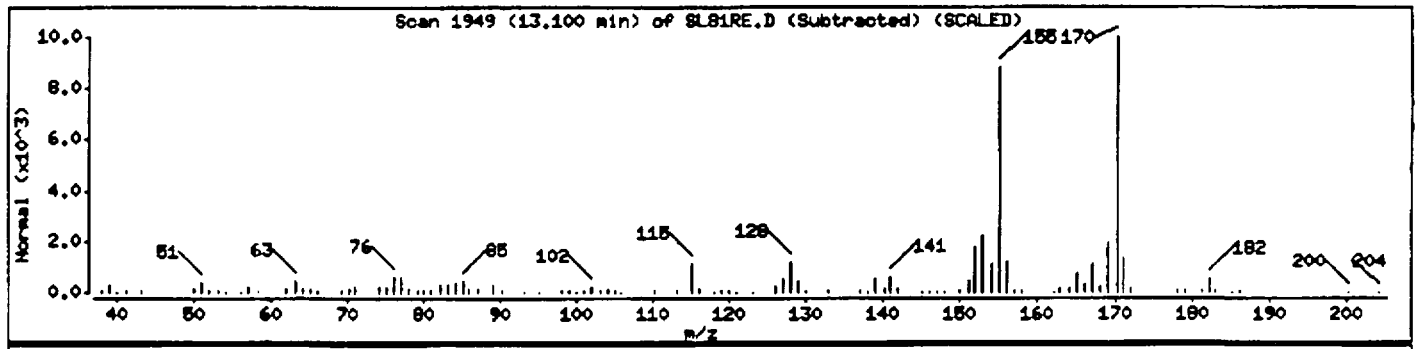
Volume Injected (uL): 2.0

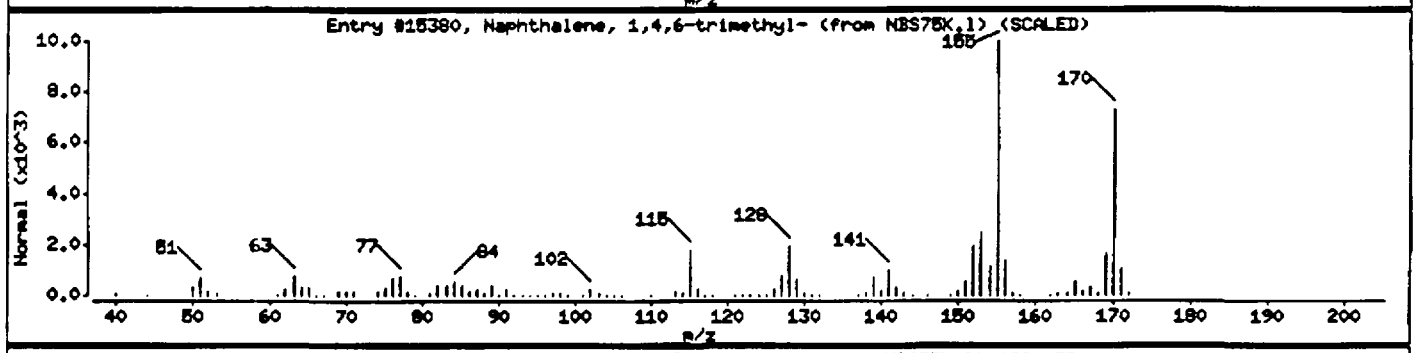
Operator: 001574

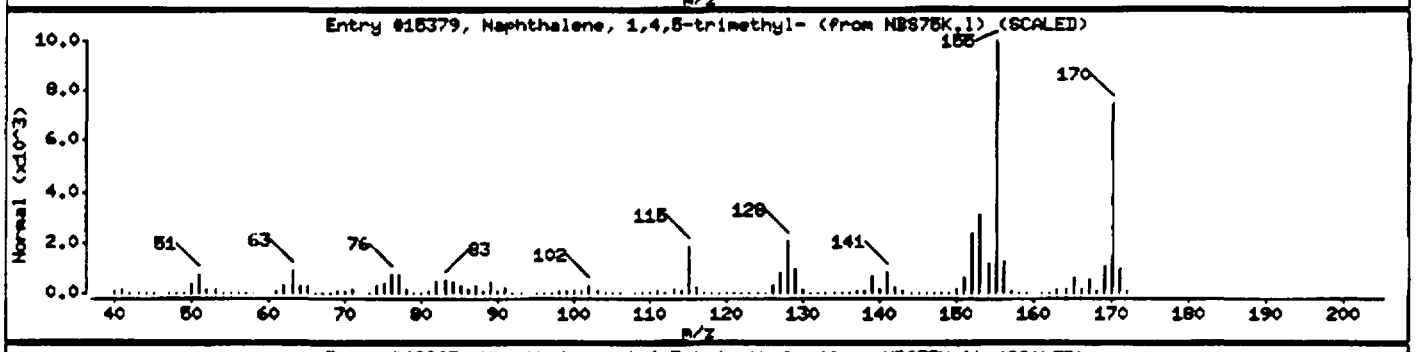
Column phase:

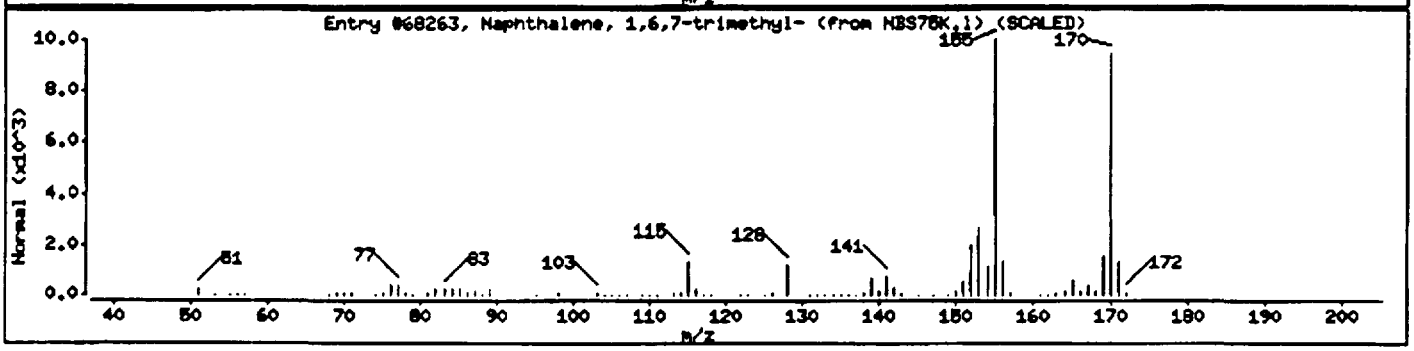
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	97	C13H14	170
Naphthalene, 1,4,5-trimethyl-	2131-41-1	NBS75K.l	15379	97	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	95	C13H14	170









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

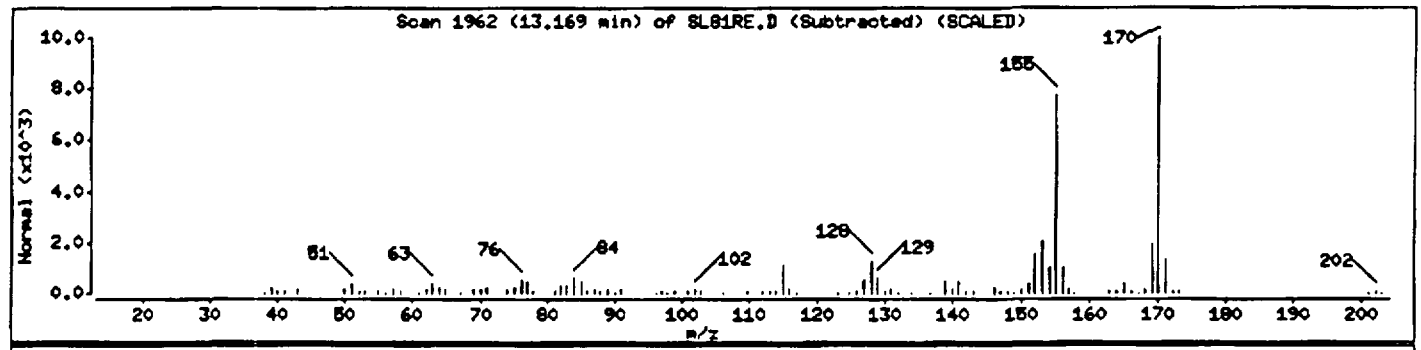
Client ID: SL-81 Instrument: a4hp9.i

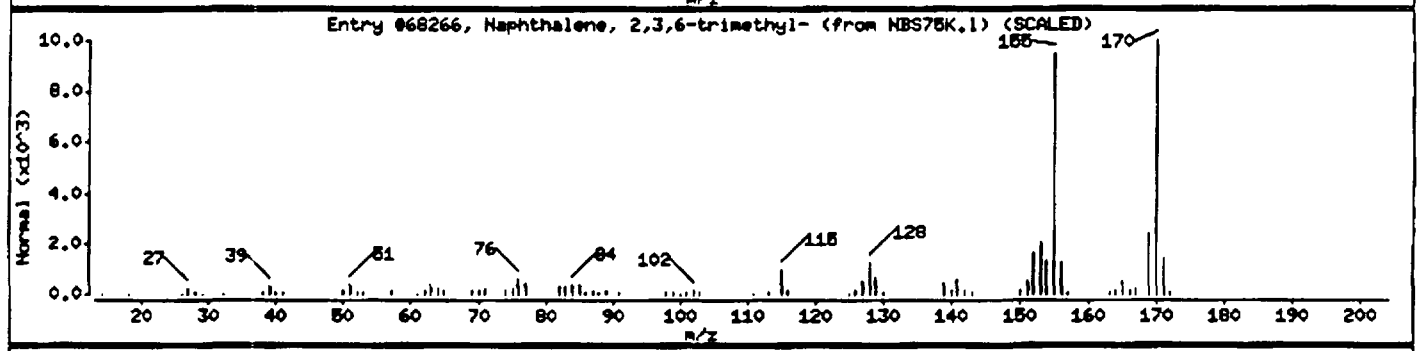
Sample Info: dpdh92ad,01204a.b,clp31,1-clp90.sub

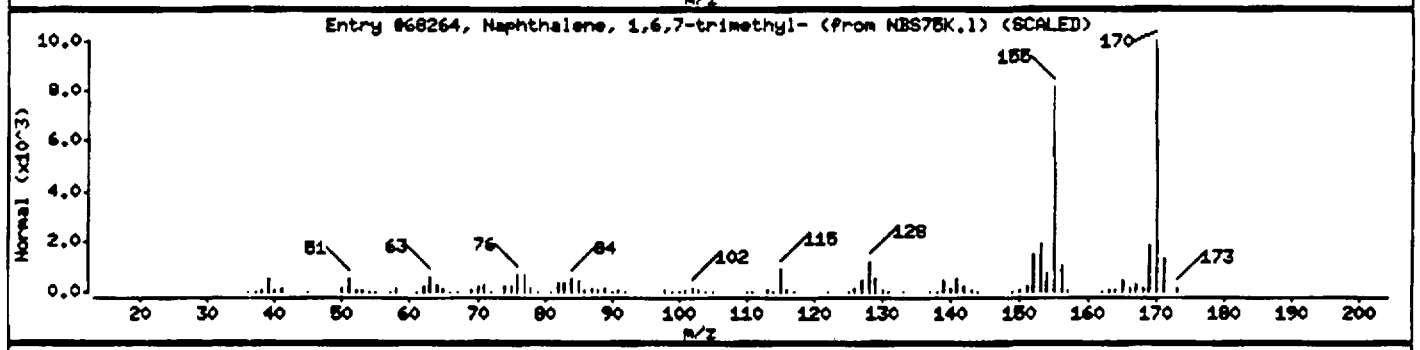
Volume Injected (uL): 2.0 Operator: 001574

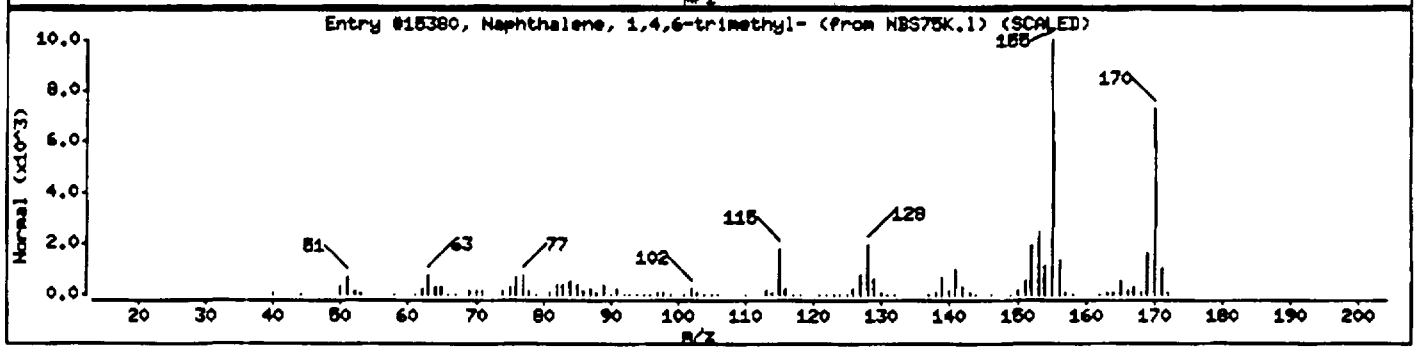
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	98	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68264	98	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	96	C13H14	170









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,clp31,i-clp90.sub

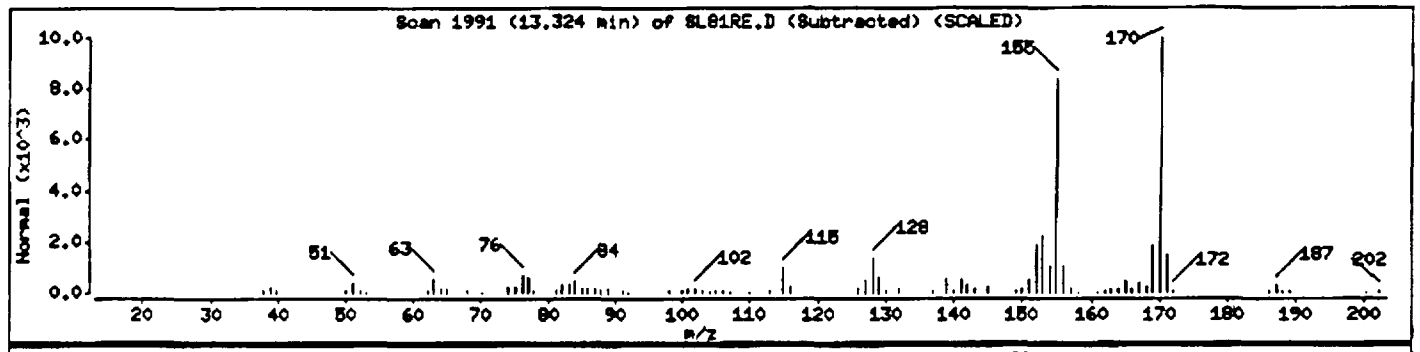
Volume Injected (uL): 2.0

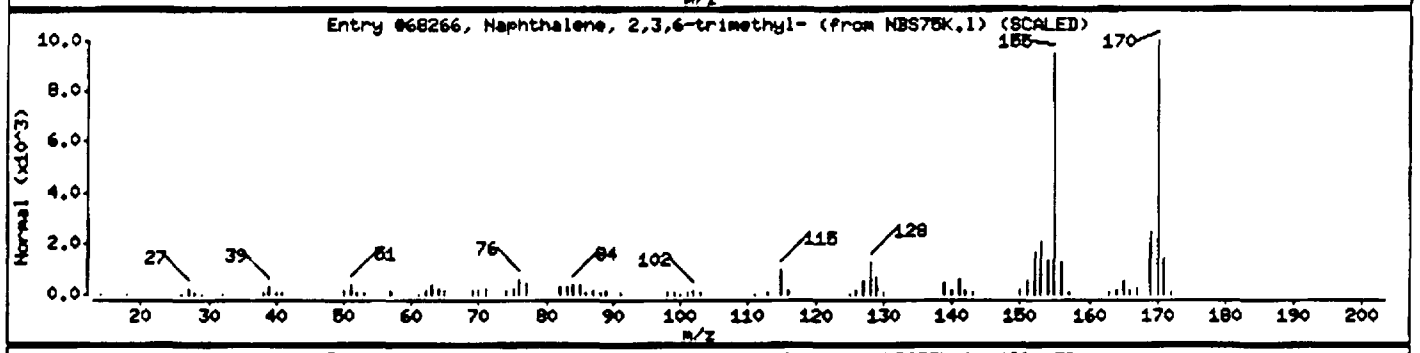
Operator: 001574

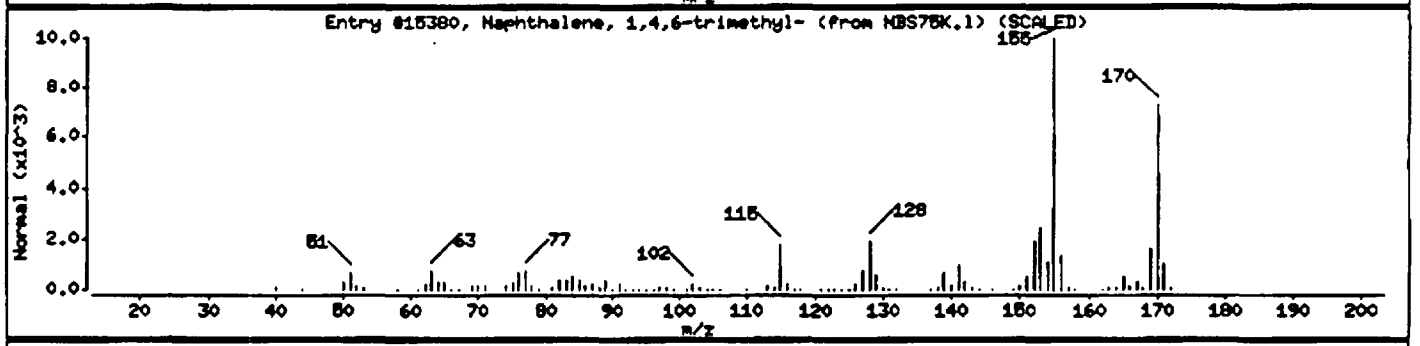
Column phase:

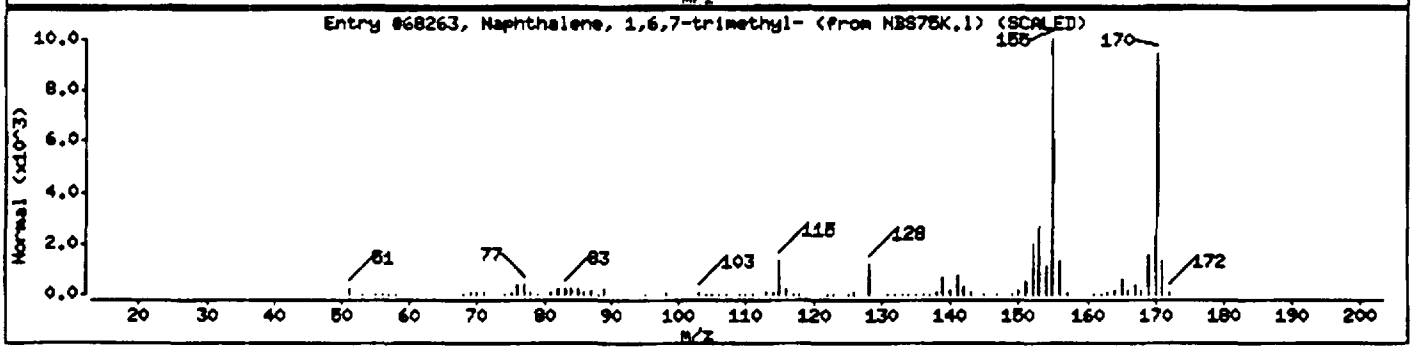
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	98	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	97	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	97	C13H14	170









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Date : 04-DEC-2000 16:04

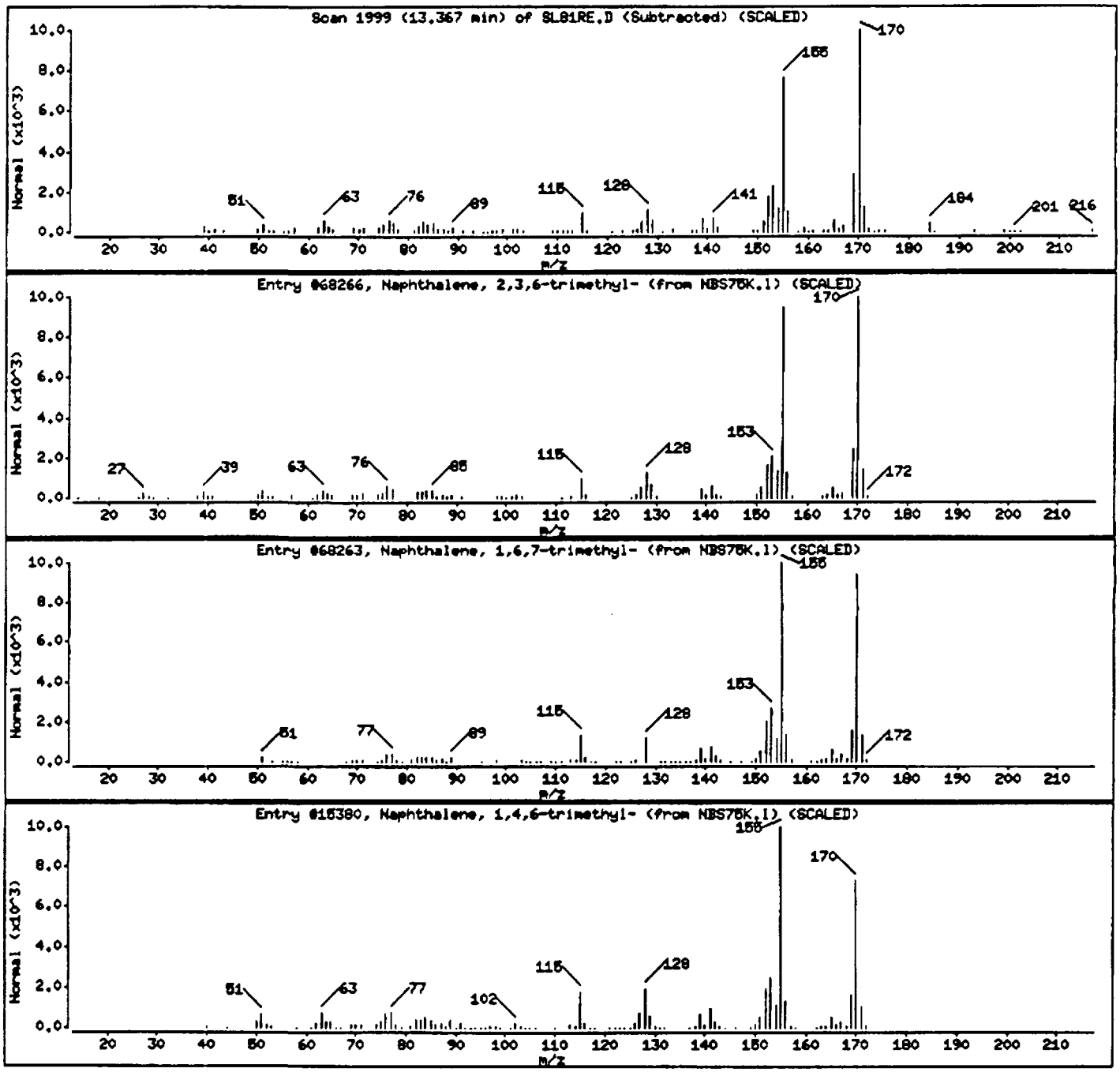
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.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						
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	98	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	96	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	96	C13H14	170



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Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90.sub

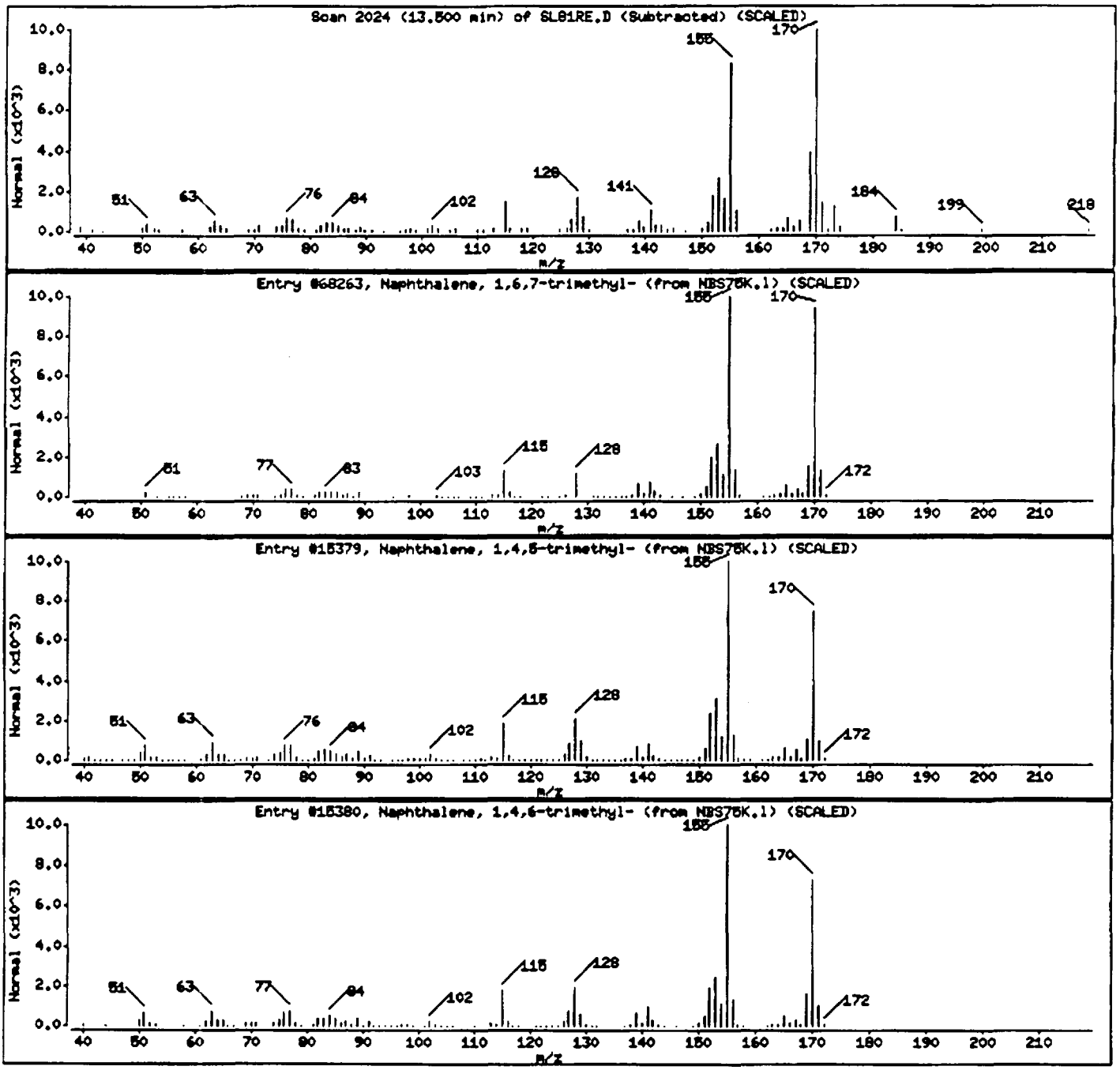
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68263	95	C13H14	170
Naphthalene, 1,4,5-trimethyl-	2131-41-1	NBS75K.l	15379	94	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	94	C13H14	170



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90.sub

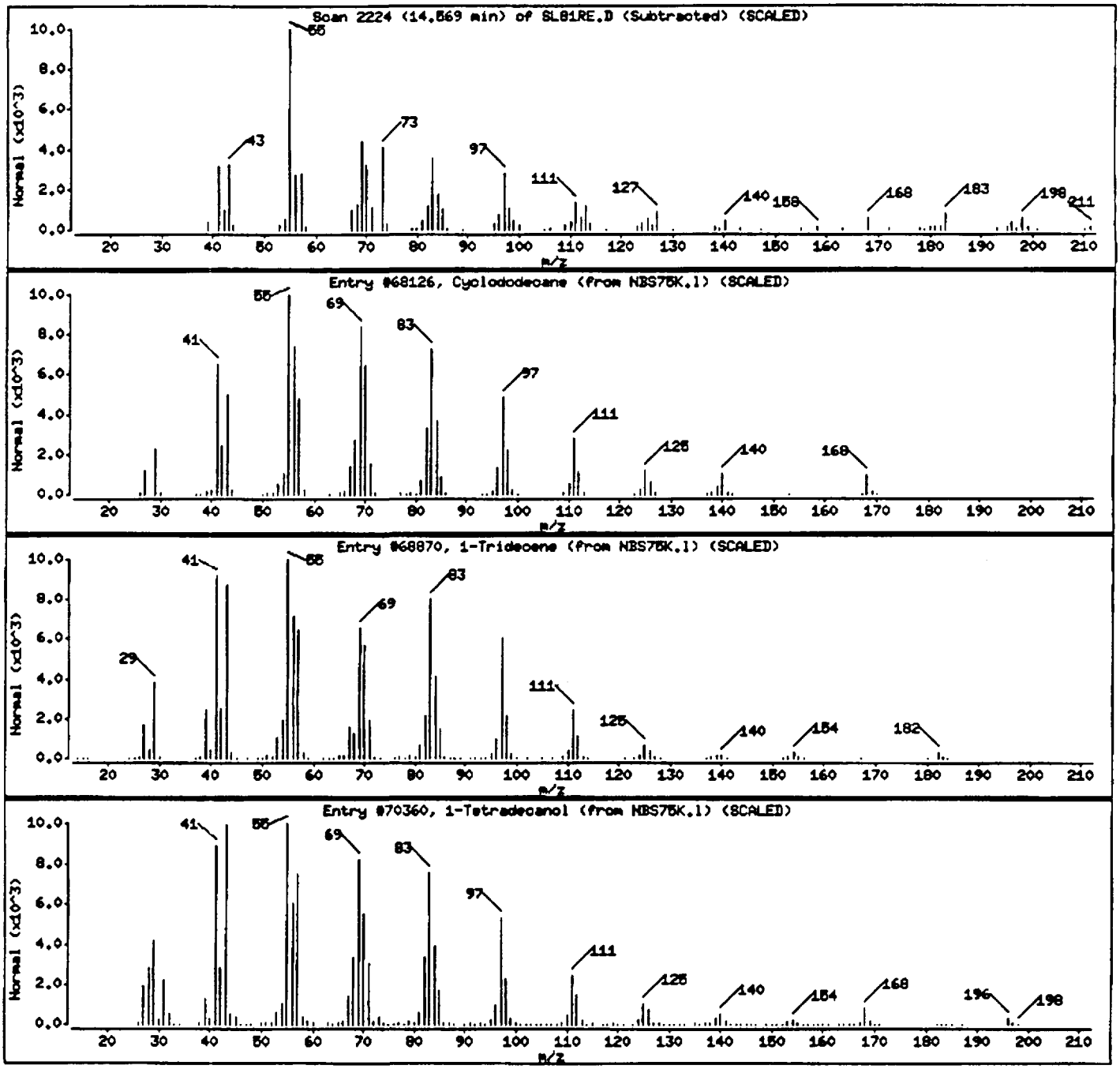
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclododecane	294-62-2	NBS75K.l	68126	90	C12H24	168
1-Tridecene	2437-56-1	NBS75K.l	68870	70	C13H26	182
1-Tetradecanol	112-72-1	NBS75K.l	70360	68	C14H30O	214



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

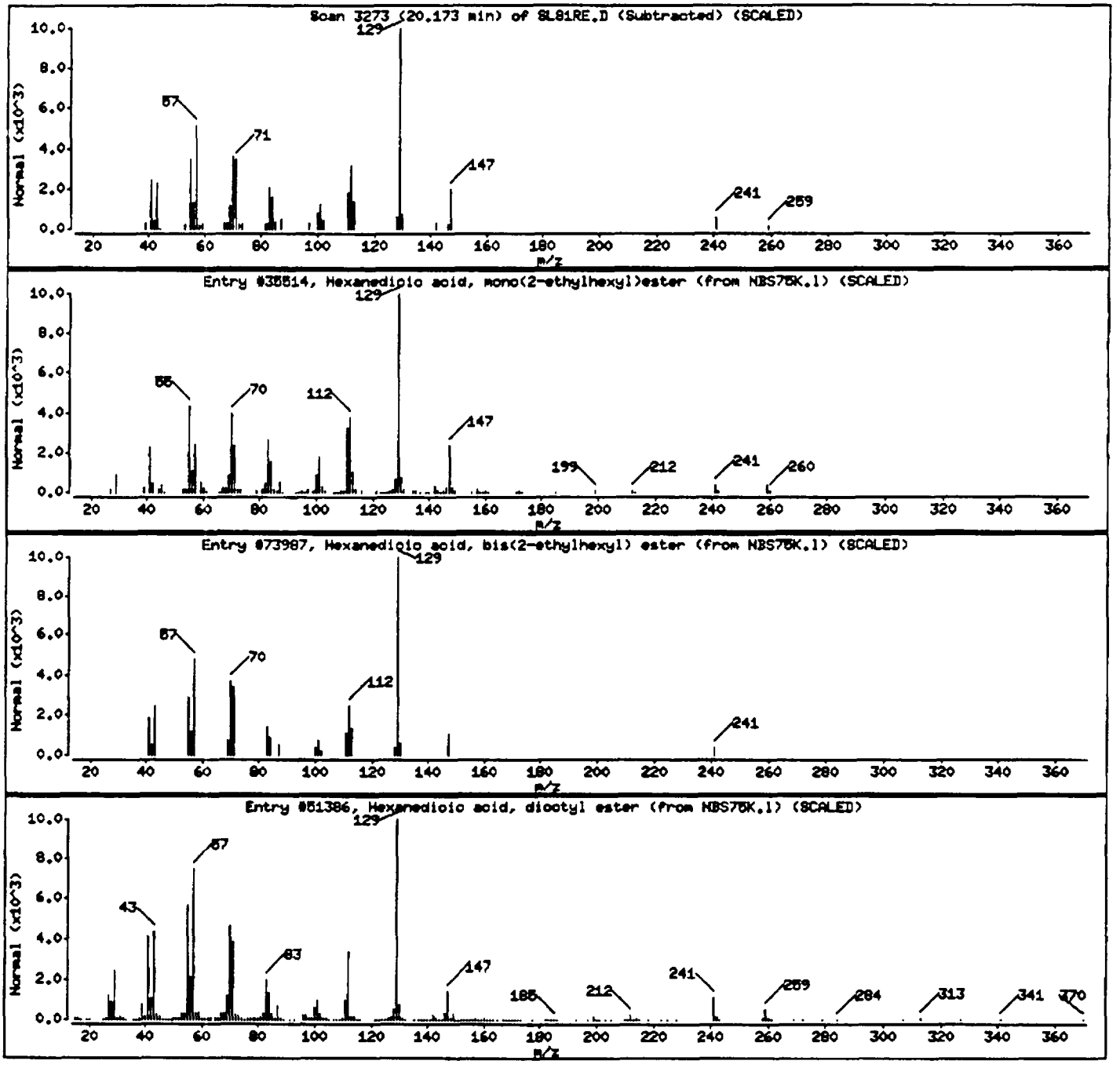
Client ID: SL-81 Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.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 Organic Acid						
Hexanedioic acid, mono(2-ethylhexyl)este	4337-65-9	NBS75K.l	35814	86	C14H2604	258
Hexanedioic acid, bis(2-ethylhexyl) este	103-23-1	NBS75K.l	73987	83	C22H4204	370
Hexanedioic acid, dioctyl ester	123-79-5	NBS75K.l	51386	72	C22H4204	370



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Date : 04-DEC-2000 16:04

Client ID: SL-81

Instrument: a4hp9.i

Sample Info: dpdh92ad,01204a.b,olp31,1-olp90,sub

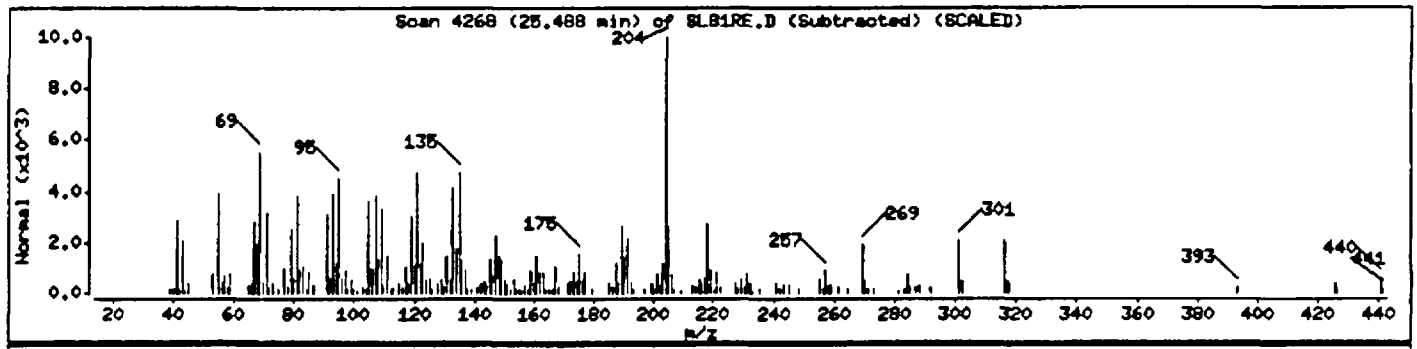
Volume Injected (uL): 2.0

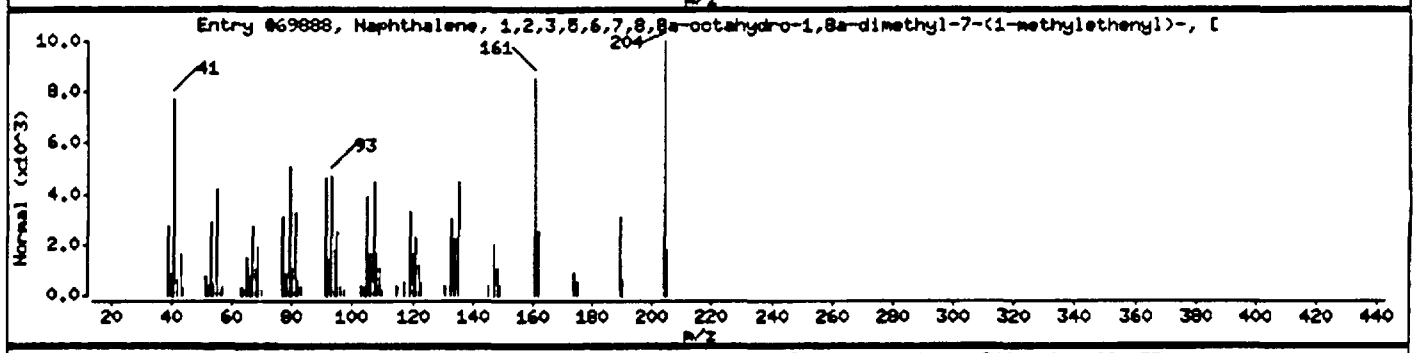
Operator: 001574

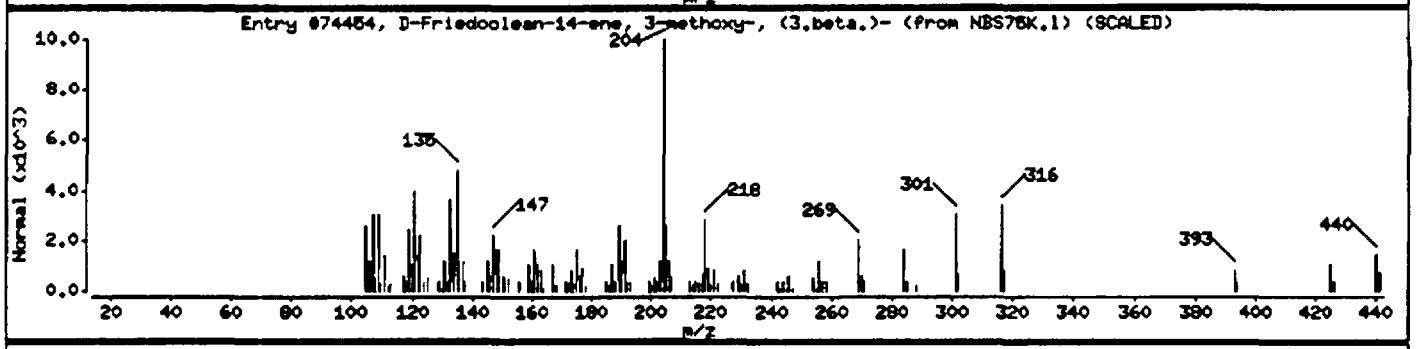
Column phase:

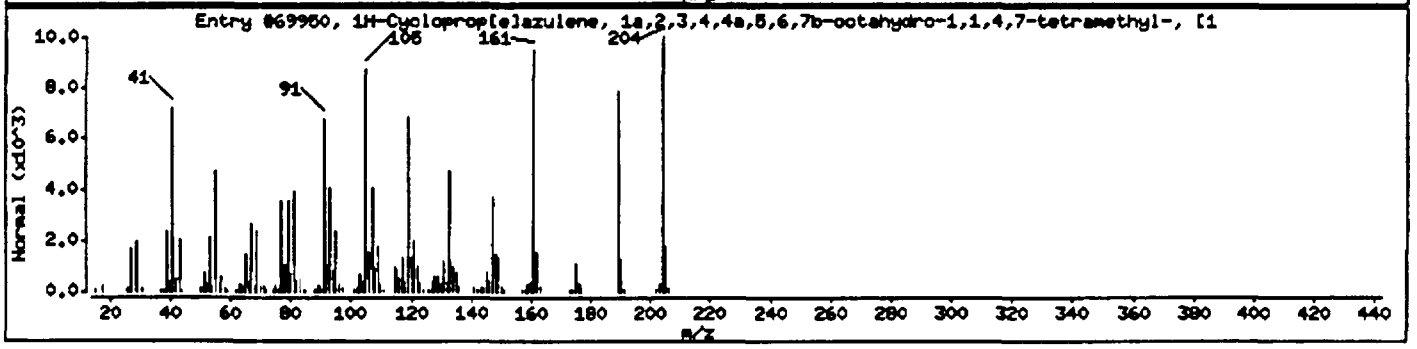
Column diameter: 2.00

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	83	C15H24	204
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	14021-23-9	NBS75K.l	74454	72	C31H52O	440
1H-Cyclopropl[e]azulene, 1a,2,3,4,4a,5,6,	489-40-7	NBS75K.l	69950	70	C15H24	204









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

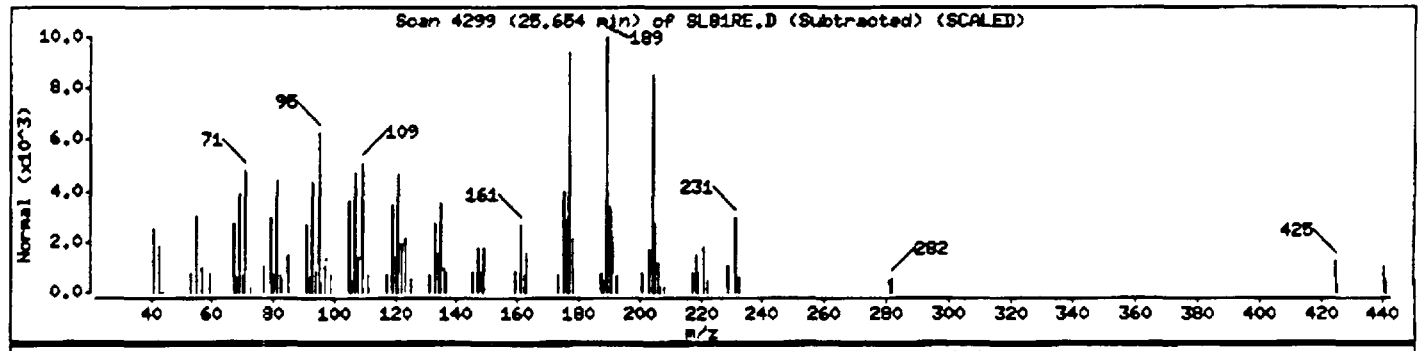
Client ID: SL-81 Instrument: a4hp9.i

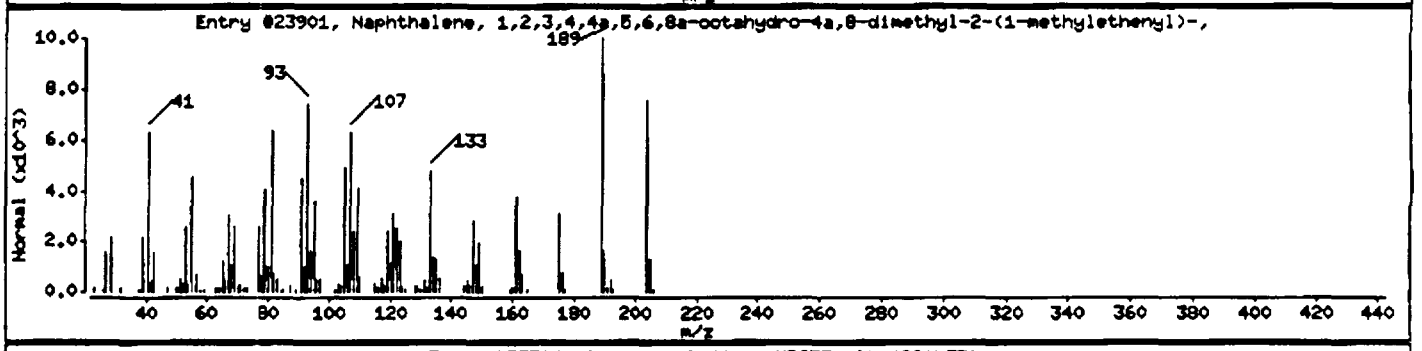
Sample Info: dpdh92ad,01204a.b,olp31,i-olp90.sub

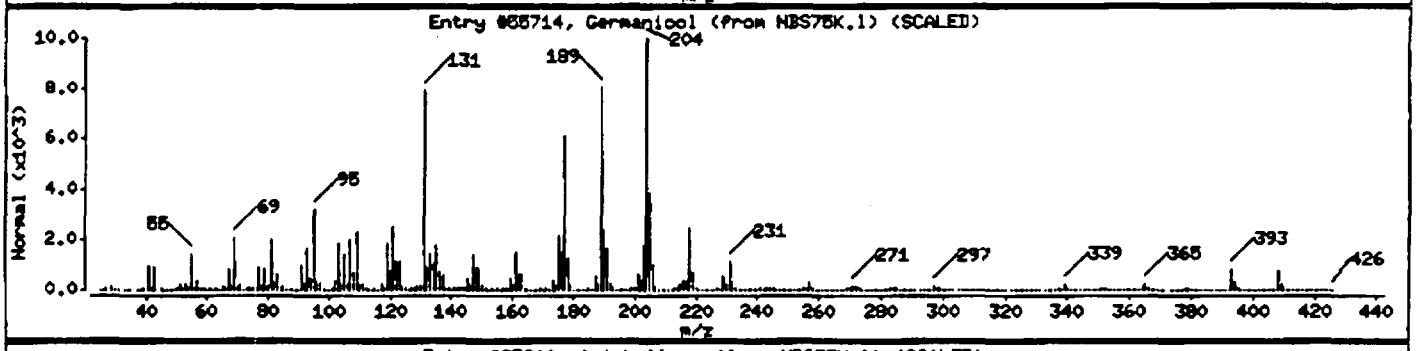
Volume Injected (uL): 2.0 Operator: 001574

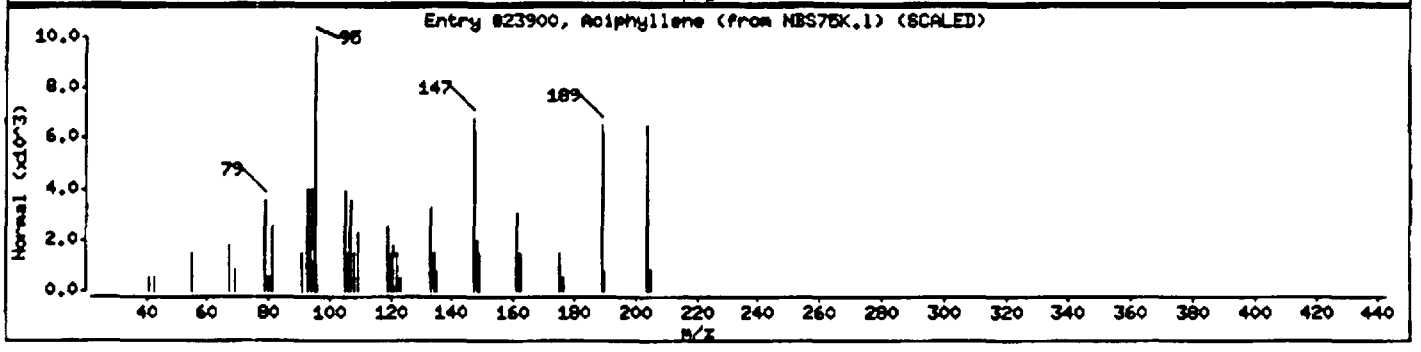
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro	473-13-2	NBS75K.l	23901	78	C15H24	204
Germanicol	465-02-1	NBS75K.l	55714	47	C30H50O	426
Aciphyllene	87745-31-1	NBS75K.l	23900	46	C15H24	204









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL81RE.D

Date : 04-DEC-2000 16:04

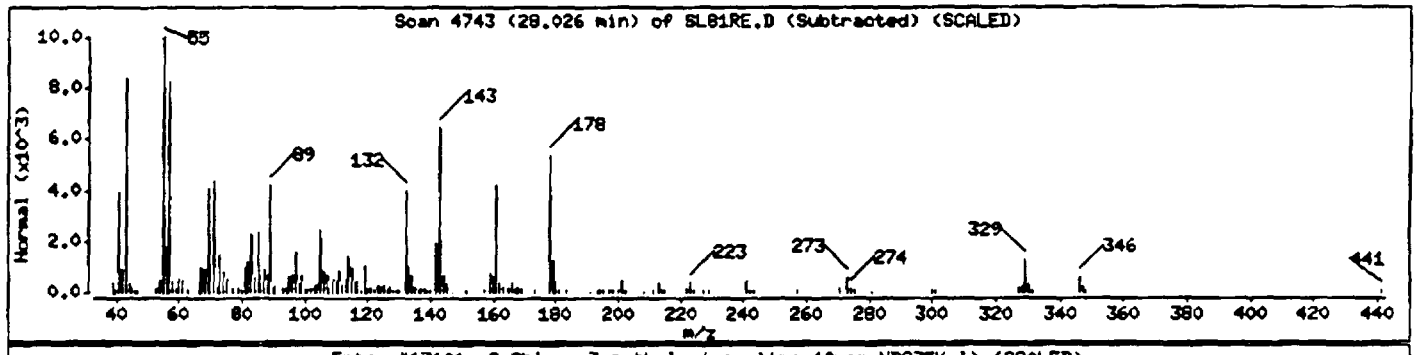
Client ID: SL-81 Instrument: a4hp9.i

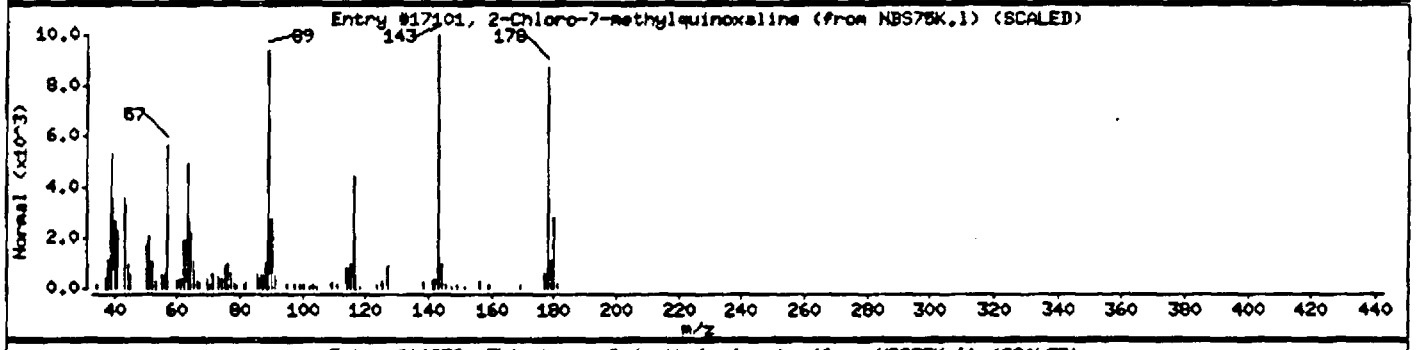
Sample Info: dpdh92ad,01204a.b,olp31,i-olp90.sub

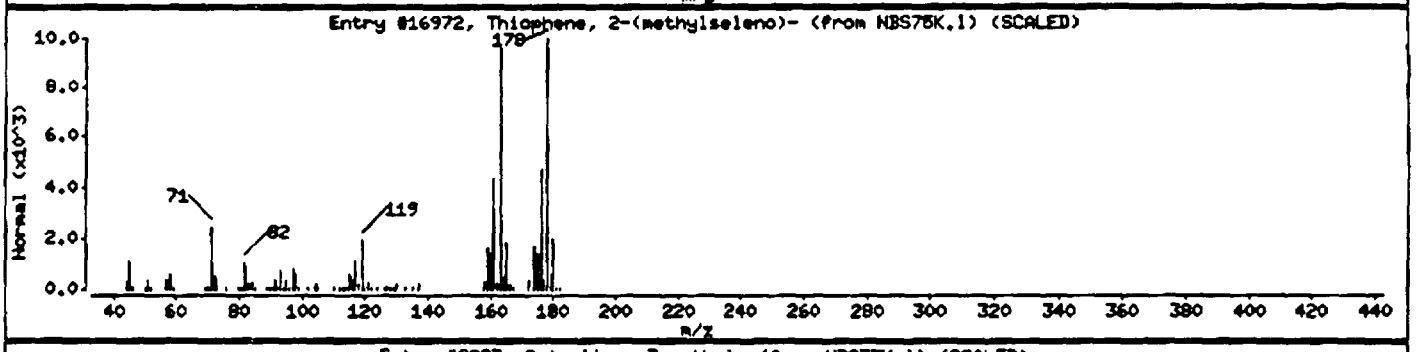
Volume Injected (uL): 2.0 Operator: 001574

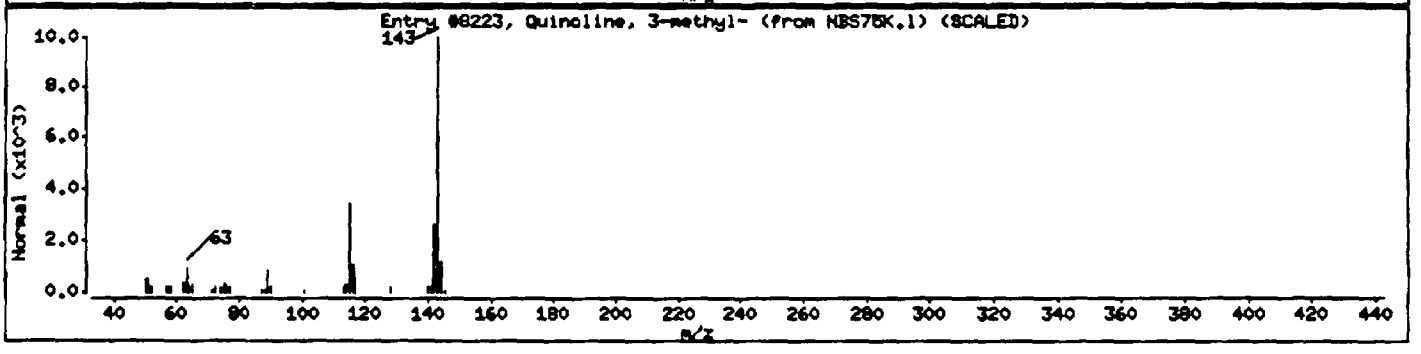
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Chloro-7-methylquinoxaline	0-00-0	NBS75K.l	17101	16	C9H7ClN2	178
Thiophene, 2-(methylseleno)-	20692-42-6	NBS75K.l	16972	10	C5H6SSe	178
Quinoline, 3-methyl-	612-58-8	NBS75K.l	8223	10	C10H9N	143









RMT

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.14 / g Date Received: 11/08/00
Work Order: DPJFJ2AH Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334105

Client Sample Id: SL-82-9.0' -RE 1

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**	**320**	**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**	**1200**	
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:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.14 / g Date Received: 11/08/00
Work Order: DPJFJ2AH Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334105

Client Sample Id: SL-82-9.0' -RE 1

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**	**54**	**J**
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**	**43**	**J**
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:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.14 / g Date Received: 11/08/00
Work Order: DPJFJ2AH Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334105

Client Sample Id: SL-82-9.0' -RE 1

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:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.14 / g Date Received: 11/08/00
Work Order: DPJFJ2AH Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:21

QC Batch: 0334105

Client Sample Id: SL-82-9.0' -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	3.4915	160	J
	Unknown Aldol Condensate	4.5385	25000	JA
	Unknown Aromatic	7.4286	120	J
	Unknown Aromatic	8.246	100	J
	Unknown Aromatic	8.294	87	J
	Unknown Aromatic	8.7161	210	J
	Unknown Aromatic	8.7962	120	J
	Unknown Aromatic	8.8924	100	J
	Unknown Aromatic	8.9832	140	J
	Unknown Aromatic	9.2717	210	J
	Unknown Aromatic	9.4159	92	J
	Unknown Aromatic	9.7471	140	J
	Unknown Aromatic	9.9661	110	J
	Unknown Aromatic	10.126	180	J
	Unknown Aromatic	10.318	230	J
	Unknown PAH	10.778	820	J
	Unknown PAH	11.627	87	J
	Unknown PAH	11.702	140	J
	Unknown PAH	11.83	350	J
	Unknown PAH	11.99	530	J
	Unknown PAH	12.033	250	J
	Unknown PAH	12.215	370	J
	Unknown PAH	12.38	330	J
	Unknown PAH	12.882	92	J
	Unknown PAH	13.085	130	J
	Unknown PAH	13.16	130	J

FORM I - TIC

RMT
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:0K04153

Matrix: (soil/water) SO Lab Sample ID:A0K080242 001
Method: OCLP OLM03.1
Base/Neutrals and Acids (CLP-OLM03.1)

Sample WT/Vol: 30.14 / g Date Received: 11/08/00
Work Order: DPJFJ2AH Date Extracted:11/29/00
Dilution factor: 1 Date Analyzed: 12/04/00
Moisture %:21

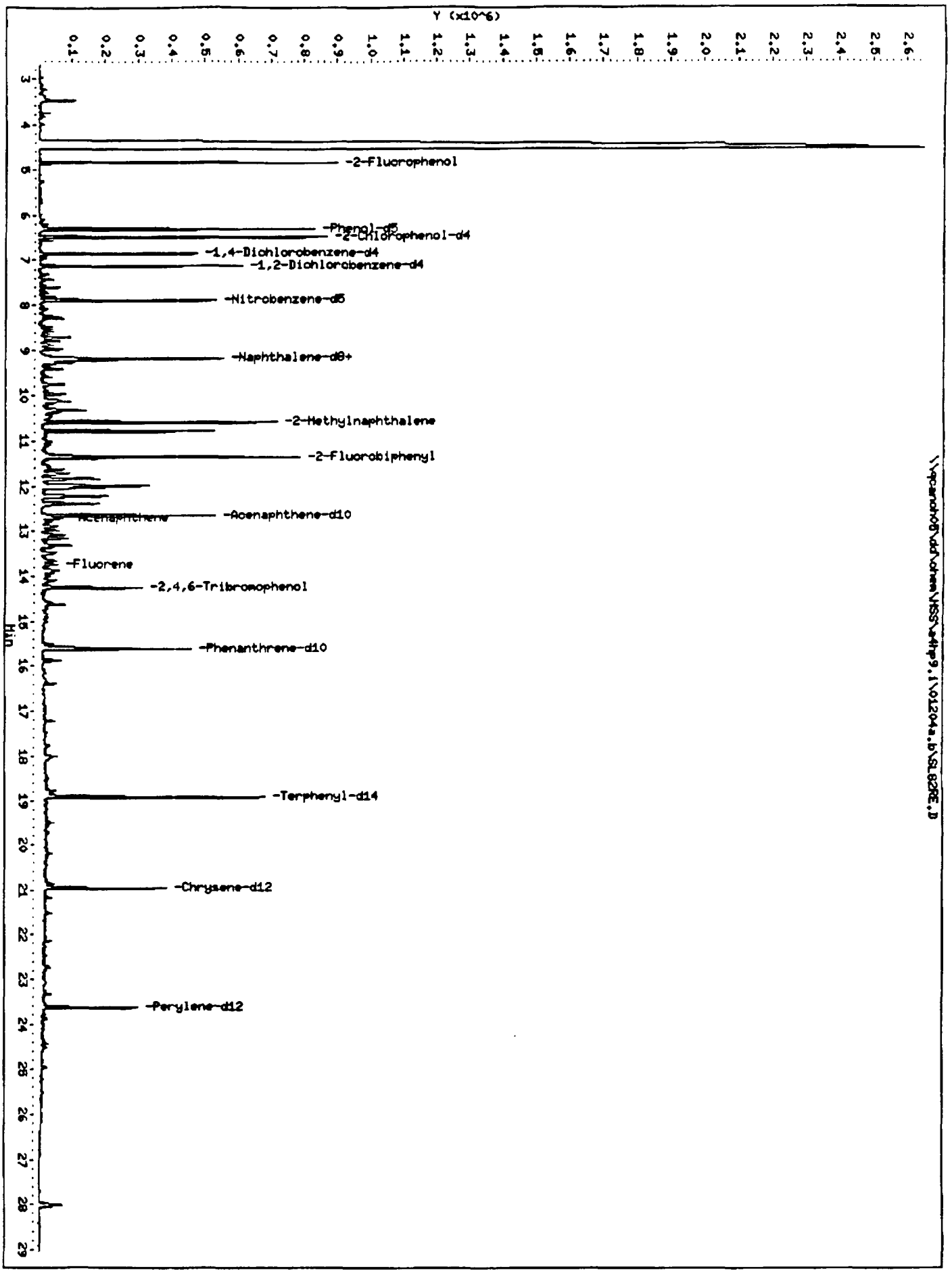
QC Batch: 0334105

Client Sample Id: SL-82-9.0' -RE 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown PAH	13.315	120	J
	Unknown Hydrocarbon	14.09	90	J
	Unknown Hydrocarbon	14.629	130	J
	Unknown	15.879	110	J
	Unknown	28.017	390	J

FORM I - TIC


Y (x10^6)
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
-Fluorene
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D
Lab Smp Id: DPJFJ2AH Client Smp ID: SL-82-9.0'
Inj Date : 04-DEC-2000 17:22
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjfj2ah,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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	30.140	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	6.862	6.859	(1.000)	108868	40.0000	
* 2 Naphthalene-d8	136	9.186	9.199	(1.000)	427712	40.0000	
* 3 Acenaphthene-d10	164	12.658	12.671	(1.000)	240969	40.0000	
* 4 Phenanthrene-d10	188	15.623	15.631	(1.000)	342829	40.0000	
* 5 Chrysene-d12	240	20.965	20.973	(1.000)	229915	40.0000	
* 6 Perylene-d12	264	23.631	23.633	(1.000)	186569	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.					

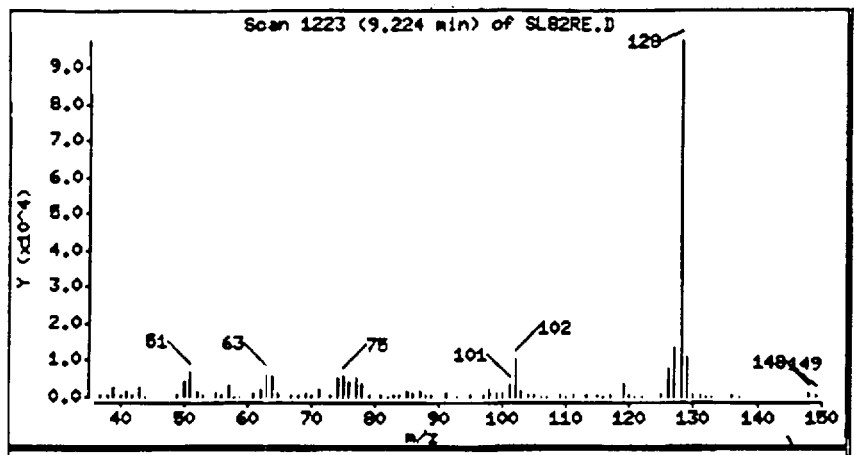
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
15 4-Methylphenol	108	Compound Not Detected.					
16 N-Nitrosodinpropylamine	70	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not 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	9.223	9.236	(1.004)	155301	15.2620	250(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	10.585	10.588	(1.152)	384262	56.9851	940
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	12.717	12.735	(1.005)	14562	2.61532	43(a)
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	13.743	13.761	(1.086)	13442	2.04962	34(a)
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.					

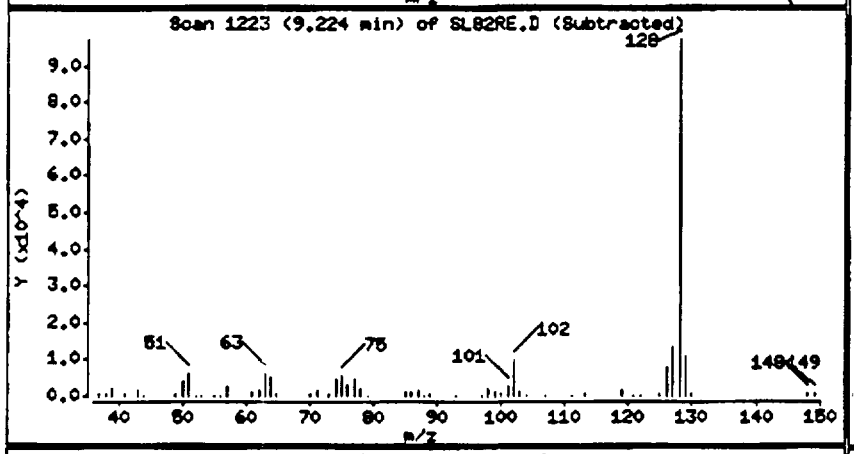
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
	62 Benzo(a)Anthracene	228	Compound Not Detected.					
	63 Chrysene	228	Compound Not Detected.					
	64 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
	65 Di-n-octylphthalate	149	Compound Not Detected.					
	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	7.893	7.901	(0.859)	322083	75.1310	1200
$	73 2-Fluorobiphenyl	172	11.355	11.362	(0.897)	507905	77.9344	1300
$	74 Terphenyl-d14	244	18.919	18.916	(0.902)	462423	84.9218	1400
$	75 Phenol-d5	99	6.317	6.303	(0.921)	500739	108.312	1800
$	76 2-Fluorophenol	112	4.848	4.781	(0.707)	332447	91.4554	1500
$	77 2,4,6-Tribromophenol	330	14.261	14.268	(0.913)	69406	76.9750	1300
$	78 2-Chlorophenol-d4	132	6.493	6.485	(0.946)	368421	116.421	1900
$	79 1,2-Dichlorobenzene-d4	152	7.134	7.137	(1.040)	140449	66.5294	1100

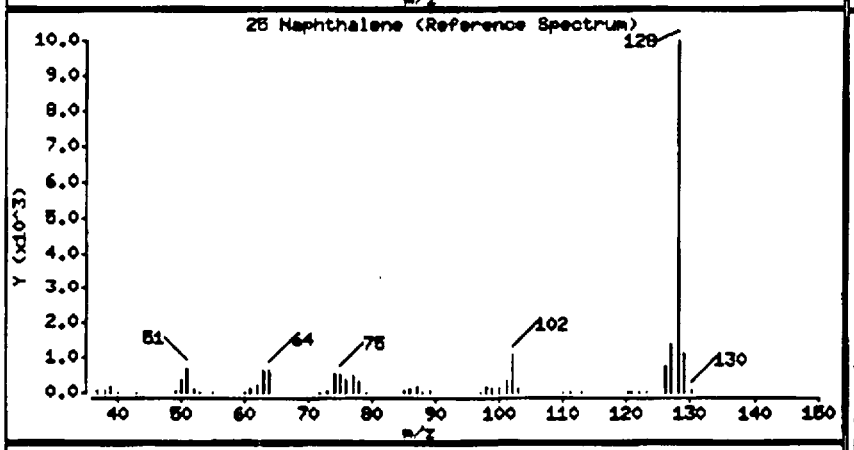
QC Flag Legend

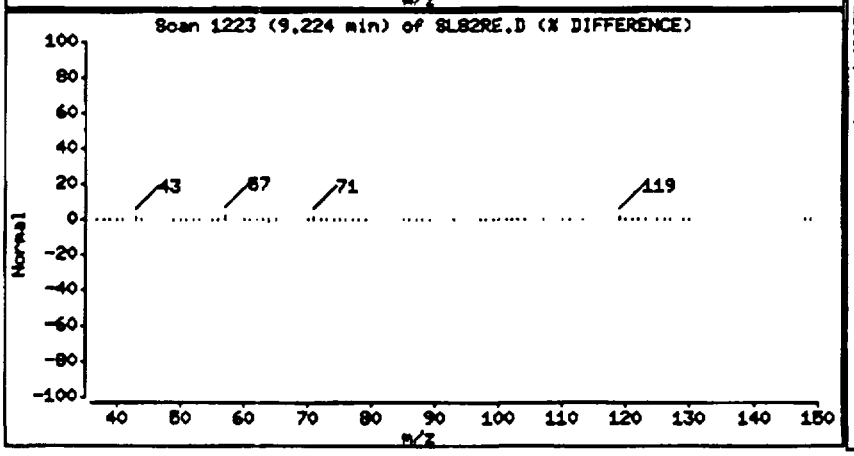
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

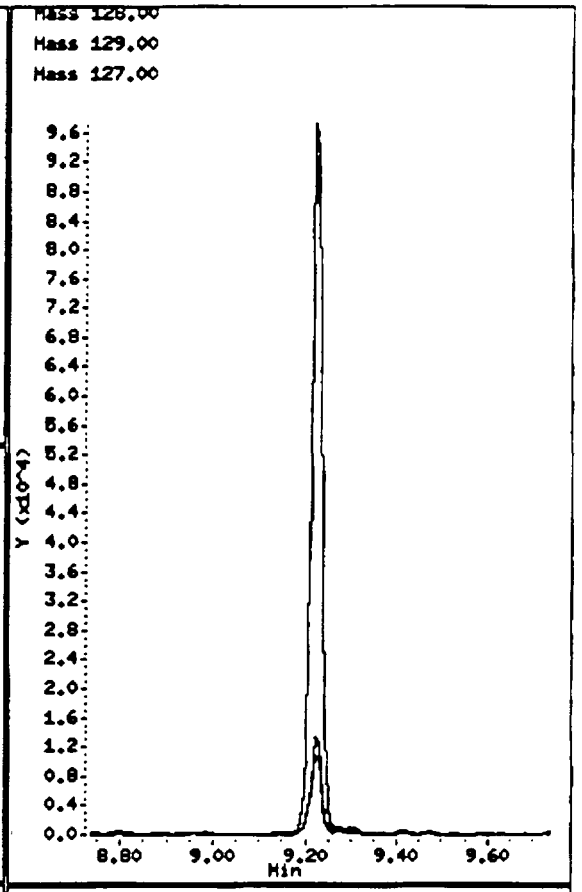
25 Naphthalene

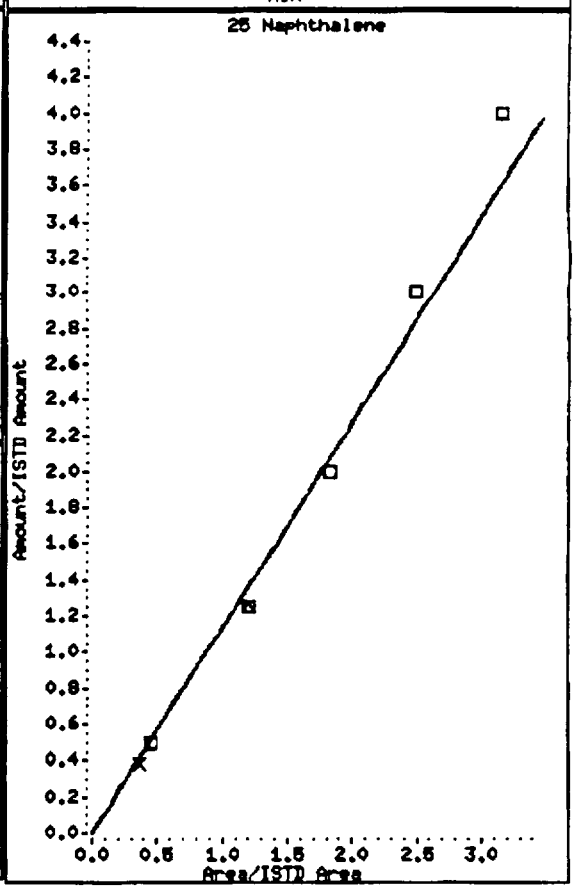




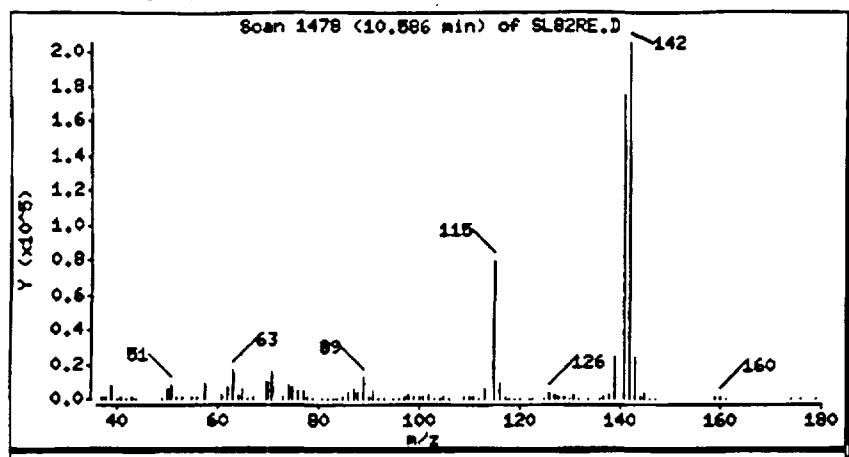


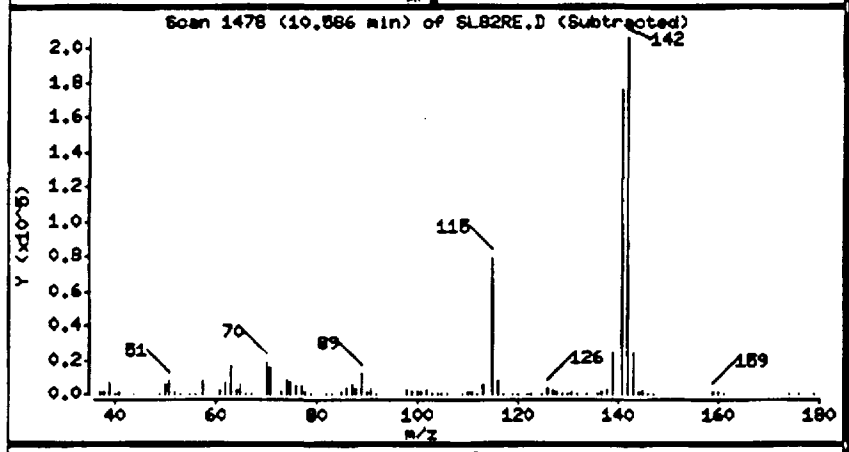


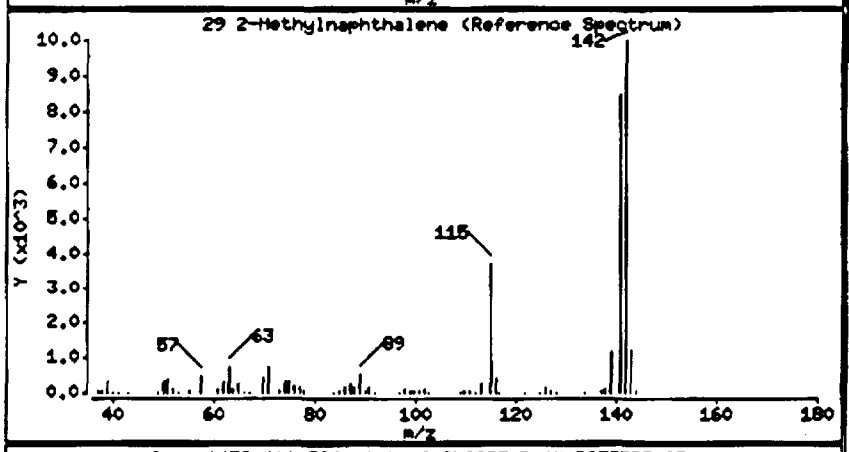


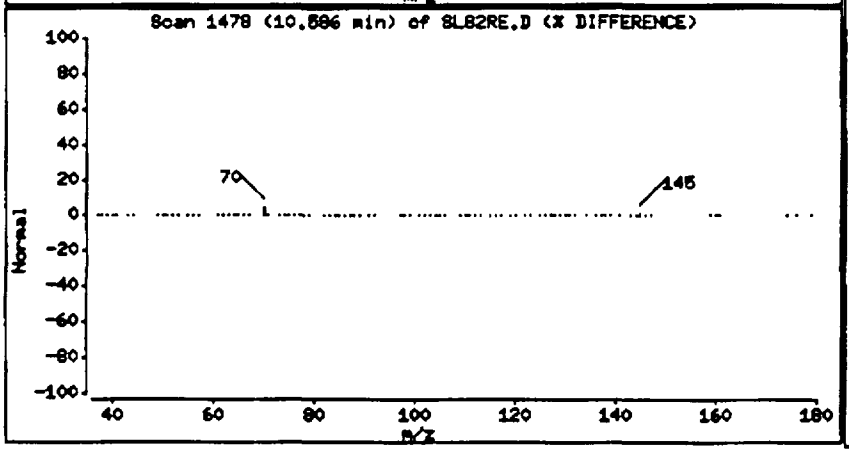


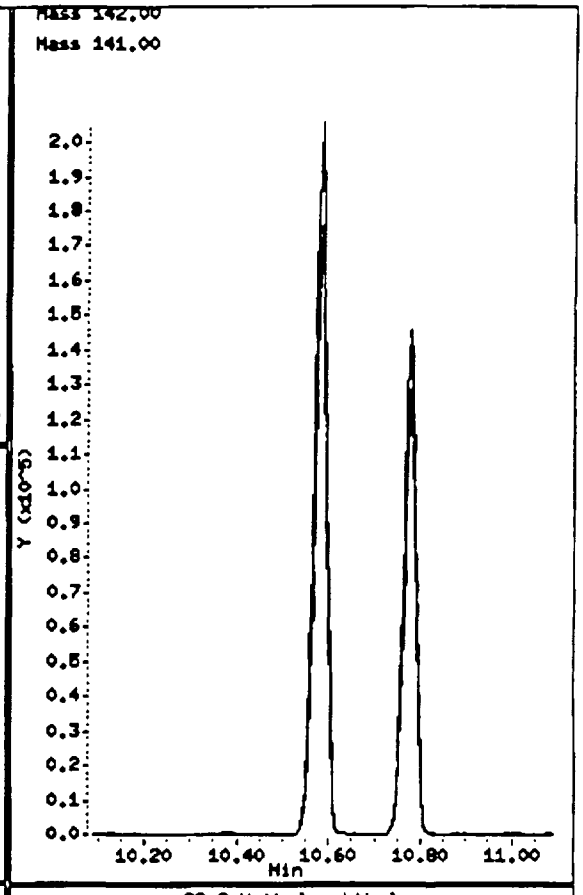
29 2-Methylnaphthalene

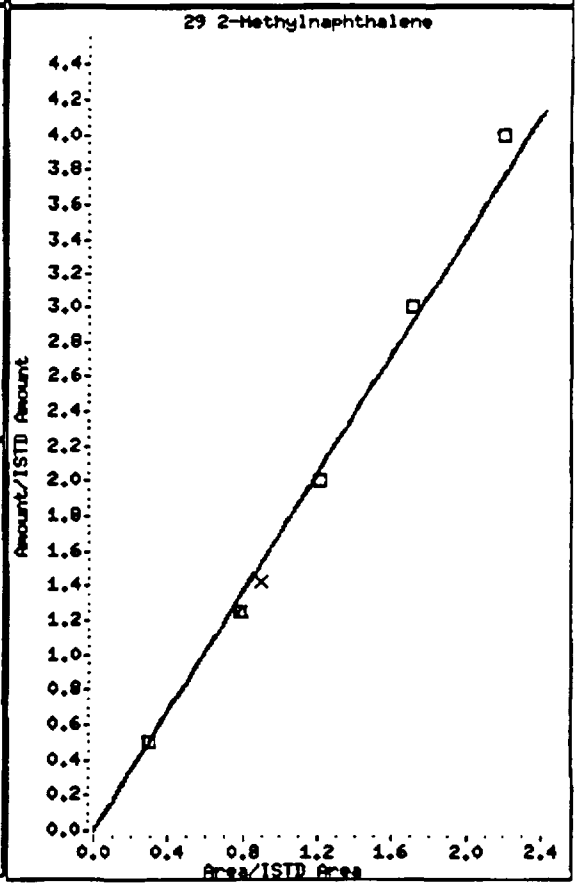




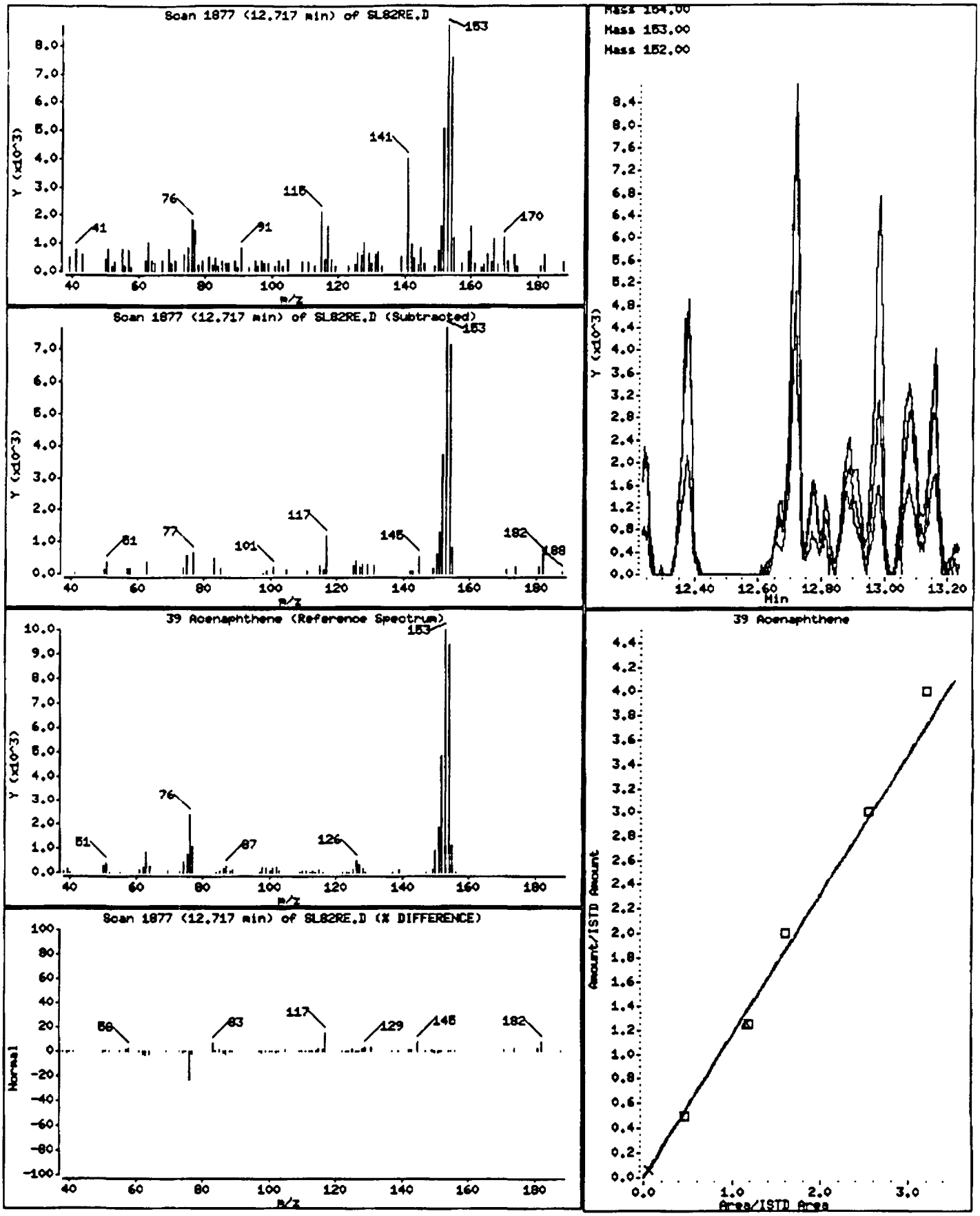




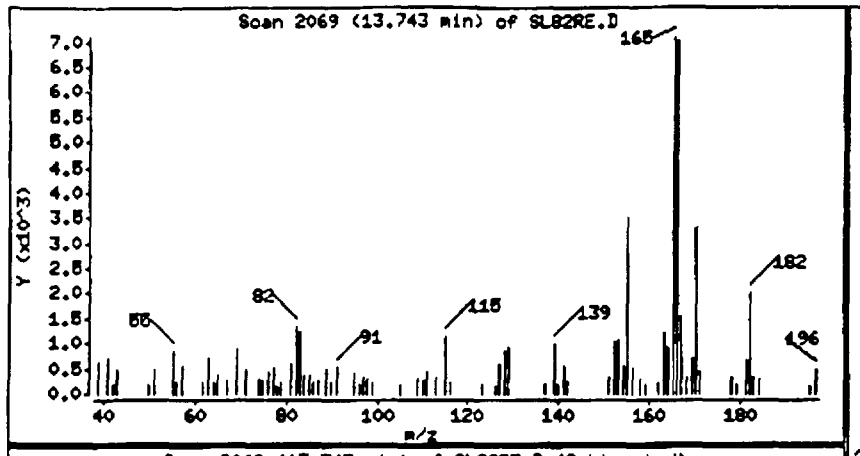


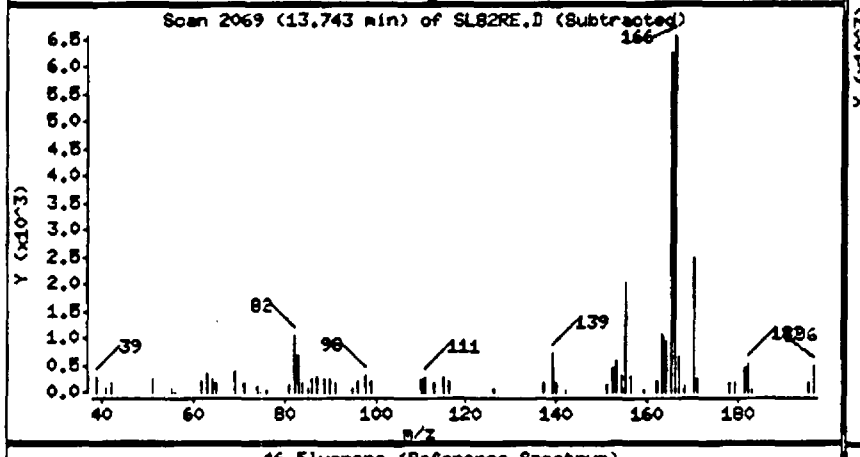


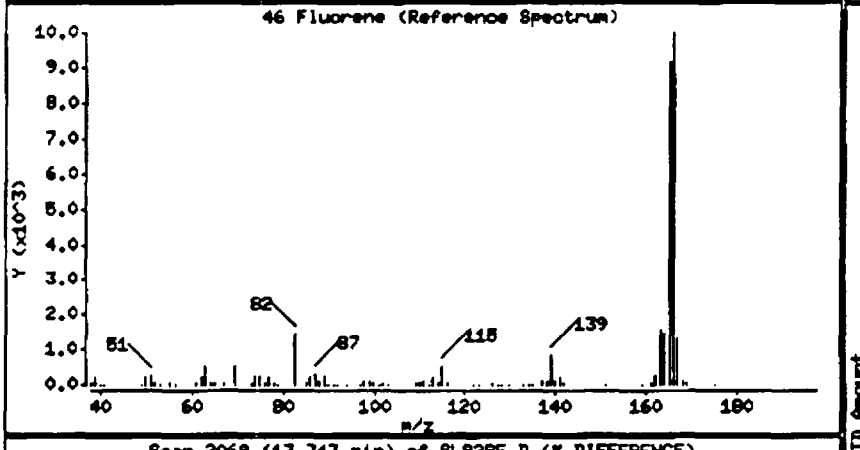
39 Acenaphthene

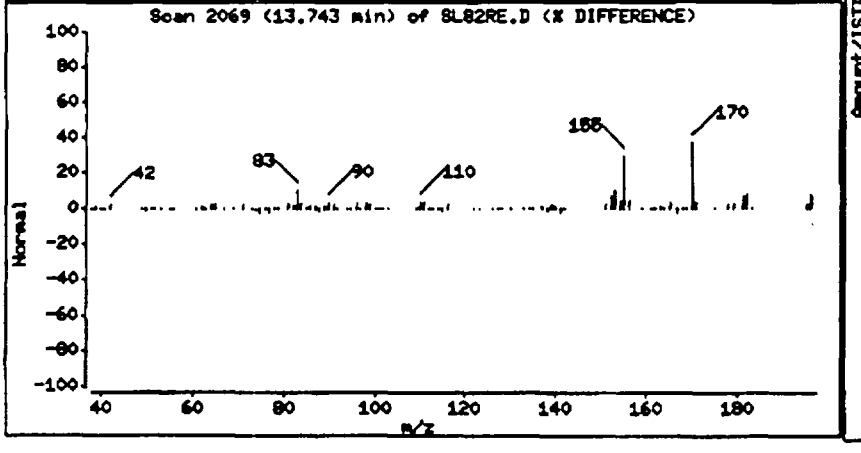


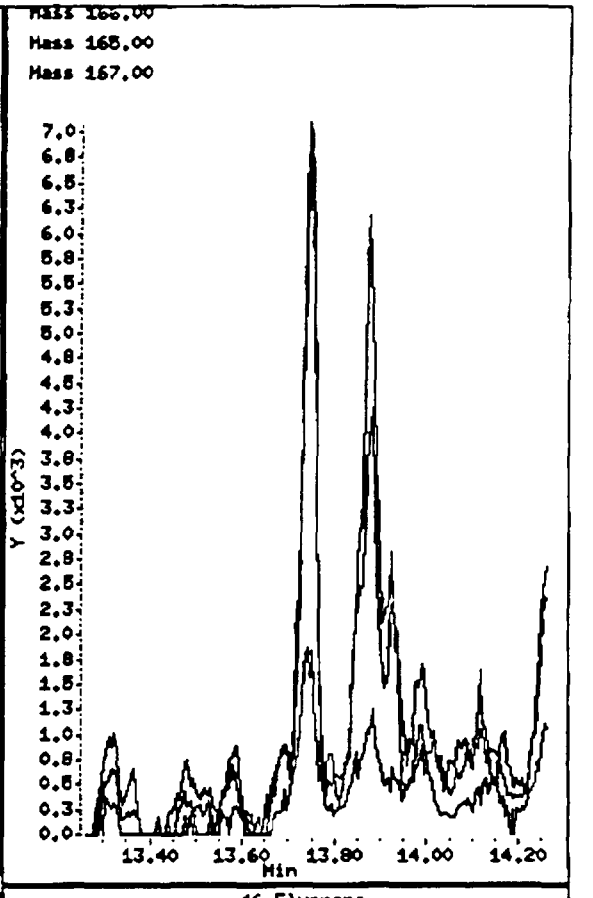
46 Fluorene

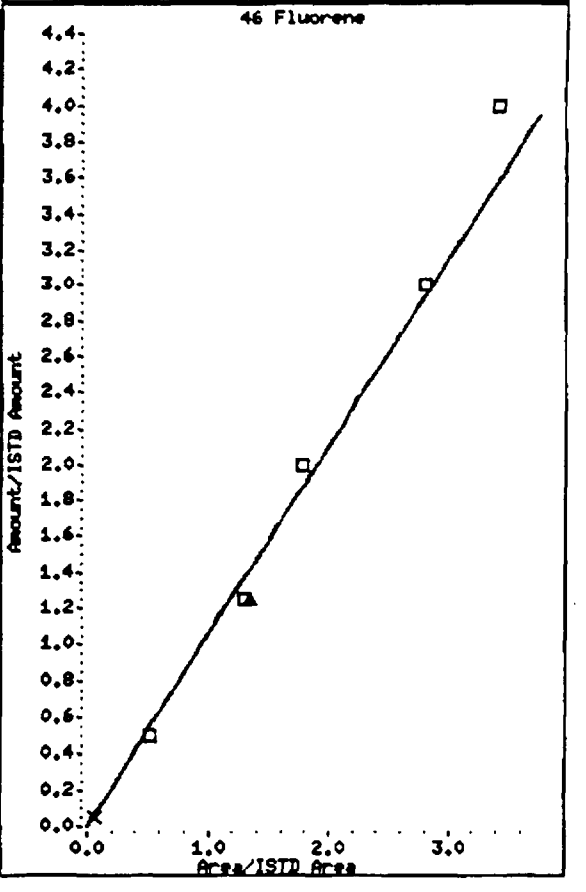

Scan 2069 (13.743 min) of SL82RE.D
Y (x10^3)
m/z
165
182
82
115
139
55
91
196


Scan 2069 (13.743 min) of SL82RE.D (Subtracted)
Y (x10^3)
m/z
166
82
139
39
98
111
182
196


46 Fluorene (Reference Spectrum)
Y (x10^3)
m/z
82
51
87
115
139


Scan 2069 (13.743 min) of SL82RE.D (% DIFFERENCE)
Normal
m/z
42
83
90
110
155
170


Mass 166.00
Mass 165.00
Mass 167.00
Y (x10^3)
Min


46 Fluorene
Amount/ISTD Amount
Area/ISTD Area

STL - North Canton

Semivolatile REPORT CLP90

Data file : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D
Lab Smp Id: DPJFJ2AH Client Smp ID: SL-82-9.0'
Inj Date : 04-DEC-2000 17:22
Operator : 001574 Inst ID: a4hp9.i
Smp Info : dpjfj2ah,01204a.b,clp31,1-clp90.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\clp31.m
Meth Date : 05-Dec-2000 13:31 gruberj Quant Type: ISTD
Cal Date : 04-DEC-2000 12:12 Cal File: 9SML1204.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-clp90.sub
Target Version: 4.04
Processing Host: CANPMSSV02

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	30.140	Weight of sample extracted (g)
M	0.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	6.862	700650	40.000
* 2 Naphthalene-d8	9.186	966303	40.000
* 3 Acenaphthene-d10	12.659	1100563	40.000
* 4 Phenanthrene-d10	15.624	986559	40.000
* 6 Perylene-d12	23.631	533812	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					CAS #:		
3.492	138189	7.88920192	130	0		0	1
Unknown Aldol Condensate					CAS #:		
4.539	20721990	1183.01521	20000	99		0	1
Unknown Aromatic					CAS #:		
7.429	104290	5.95389995	99	99		0	1
Unknown Aromatic					CAS #:		
8.246	116176	4.80909197	80	99		0	2
Unknown Aromatic					CAS #:		
8.294	100079	4.14275853	69	99		0	2
Unknown Aromatic					CAS #:		
8.716	242527	10.0393769	170	99		0	2
Unknown Aromatic					CAS #:		
8.796	144755	5.99211634	99	99		0	2
Unknown Aromatic					CAS #:		
8.892	118869	4.92056839	82	99		0	2
Unknown Aromatic					CAS #:		
8.983	159705	6.61096985	110	99		0	2
Unknown Aromatic					CAS #:		
9.272	253927	10.5112786	170	99		0	2
Unknown Aromatic					CAS #:		
9.416	106518	4.40930019	73	99		0	2
Unknown Aromatic					CAS #:		
9.747	165775	6.86223679	110	99		0	2
Unknown Aromatic					CAS #:		
9.966	130804	5.41461633	90	99		0	2
Unknown Aromatic					CAS #:		
10.126	203191	8.41106775	140	99		0	2
Unknown Aromatic					CAS #:		
10.319	264953	10.9676985	180	99		0	2

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown PAH					CAS #:		
10.778	942284	39.0057363	650	99		0	2
Unknown PAH					CAS #:		
11.628	114333	4.15543681	69	99		0	3
Unknown PAH					CAS #:		
11.702	184433	6.70322371	110	99		0	3
Unknown PAH					CAS #:		
11.831	467305	16.9842163	280	99		0	3
Unknown PAH					CAS #:		
11.991	703183	25.5572103	420	99		0	3
Unknown PAH					CAS #:		
12.034	324760	11.8034133	200	99		0	3
Unknown PAH					CAS #:		
12.215	486557	17.6839309	290	99		0	3
Unknown PAH					CAS #:		
12.381	439102	15.9591773	260	99		0	3
Unknown PAH					CAS #:		
12.883	121735	4.42446275	73	99		0	3
Unknown PAH					CAS #:		
13.086	170268	6.18839630	100	99		0	3
Unknown PAH					CAS #:		
13.161	165433	6.01266806	100	99		0	3
Unknown PAH					CAS #:		
13.316	162939	5.92202355	98	99		0	3
Unknown Hydrocarbon					CAS #:		
14.090	118483	4.30626870	71	99		0	3
Unknown Hydrocarbon					CAS #:		
14.630	156854	6.35963992	100	99		0	4
Unknown					CAS #:		
15.880	125221	5.07708105	84	0		0	4

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
---	---	---	---	---	---	---	---
Unknown				CAS #:			
28.017	249314	18.6817831	310	0		0	6

Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,clp31,1-clp90.sub

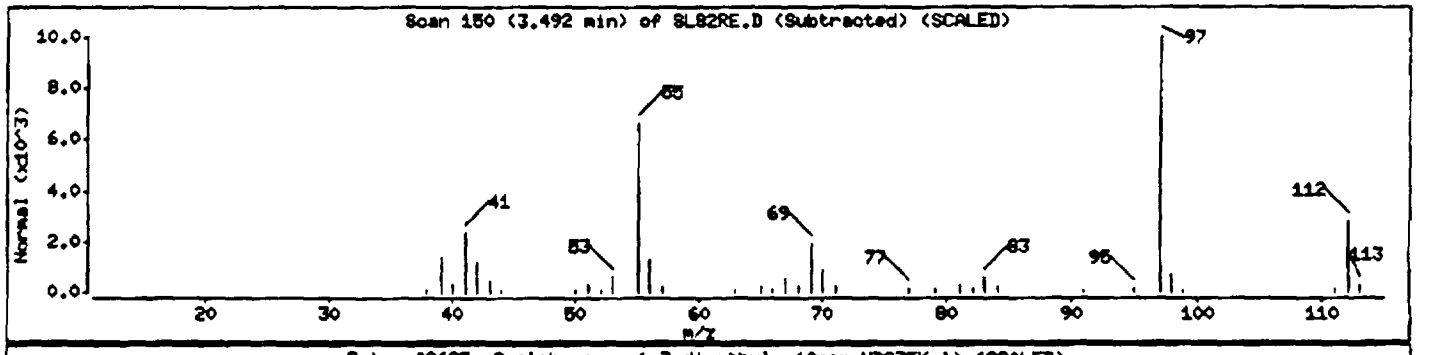
Volume Injected (uL): 2.0

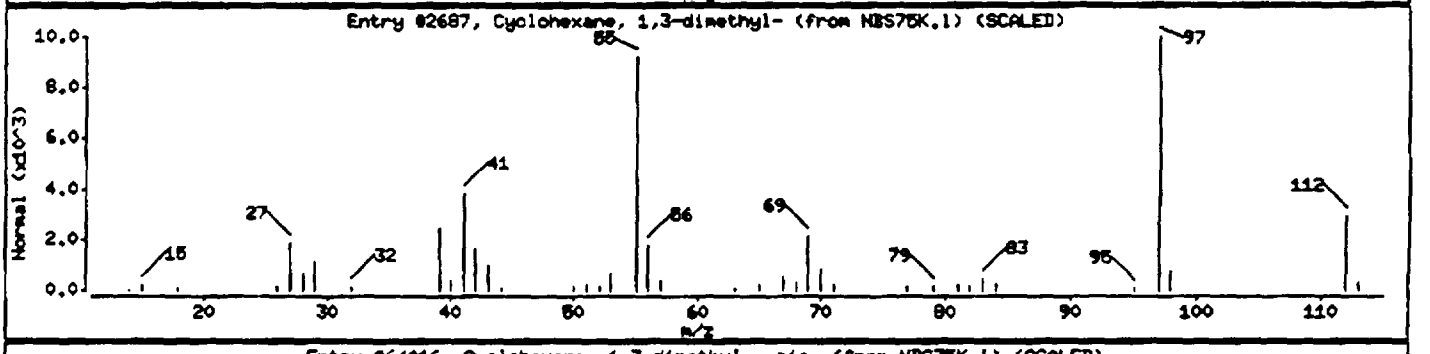
Operator: 001574

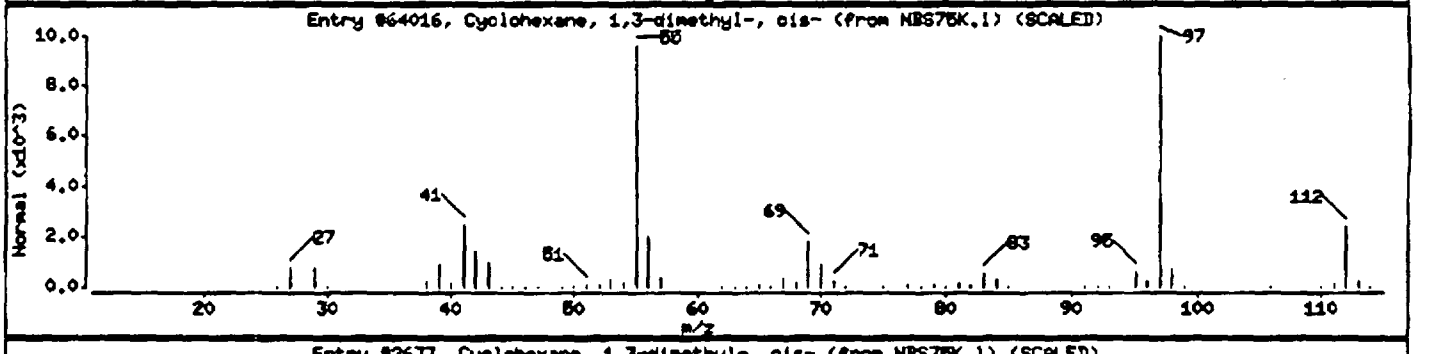
Column phase:

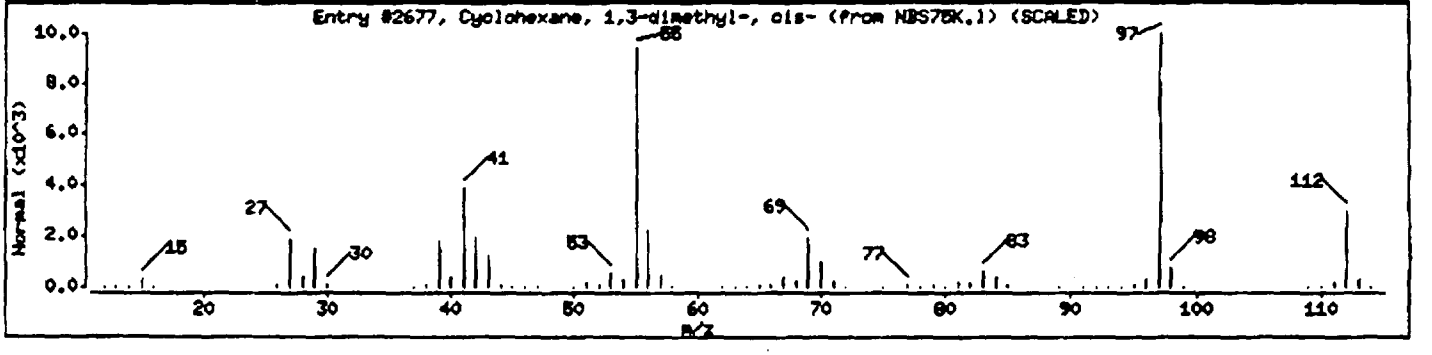
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,3-dimethyl-	591-21-9	NBS75K.l	2687	95	C8H16	112
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NBS75K.l	64016	91	C8H16	112
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	NBS75K.l	2677	86	C8H16	112









Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

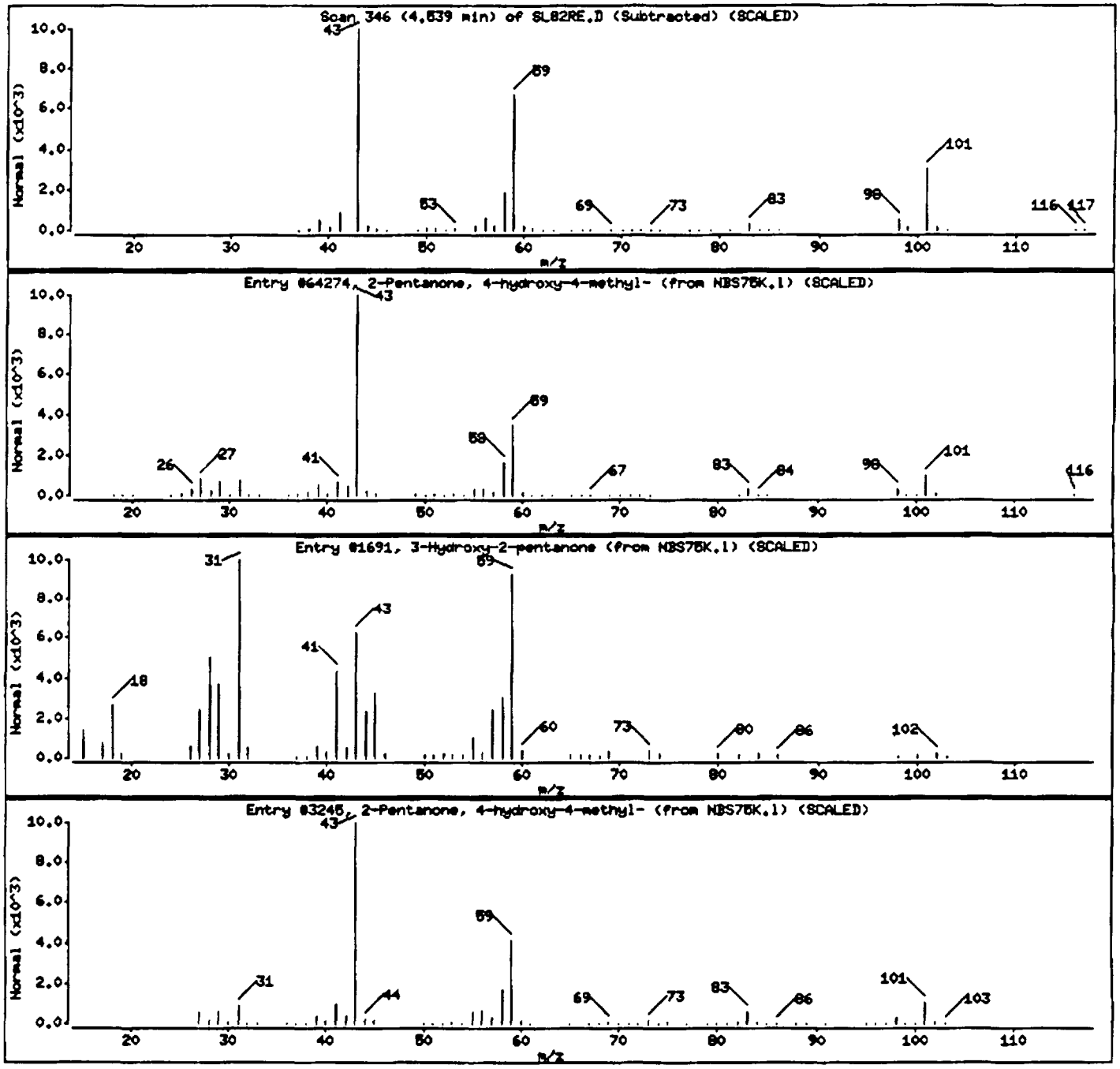
Volume Injected (uL): 2.0

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	64274	50	C6H12O2	116
3-Hydroxy-2-pentanone	3142-66-3	NBS75K.1	1691	32	C5H10O2	102
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NBS75K.1	3245	28	C6H12O2	116



Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,C1204a.b,olp31,i-olp90.sub

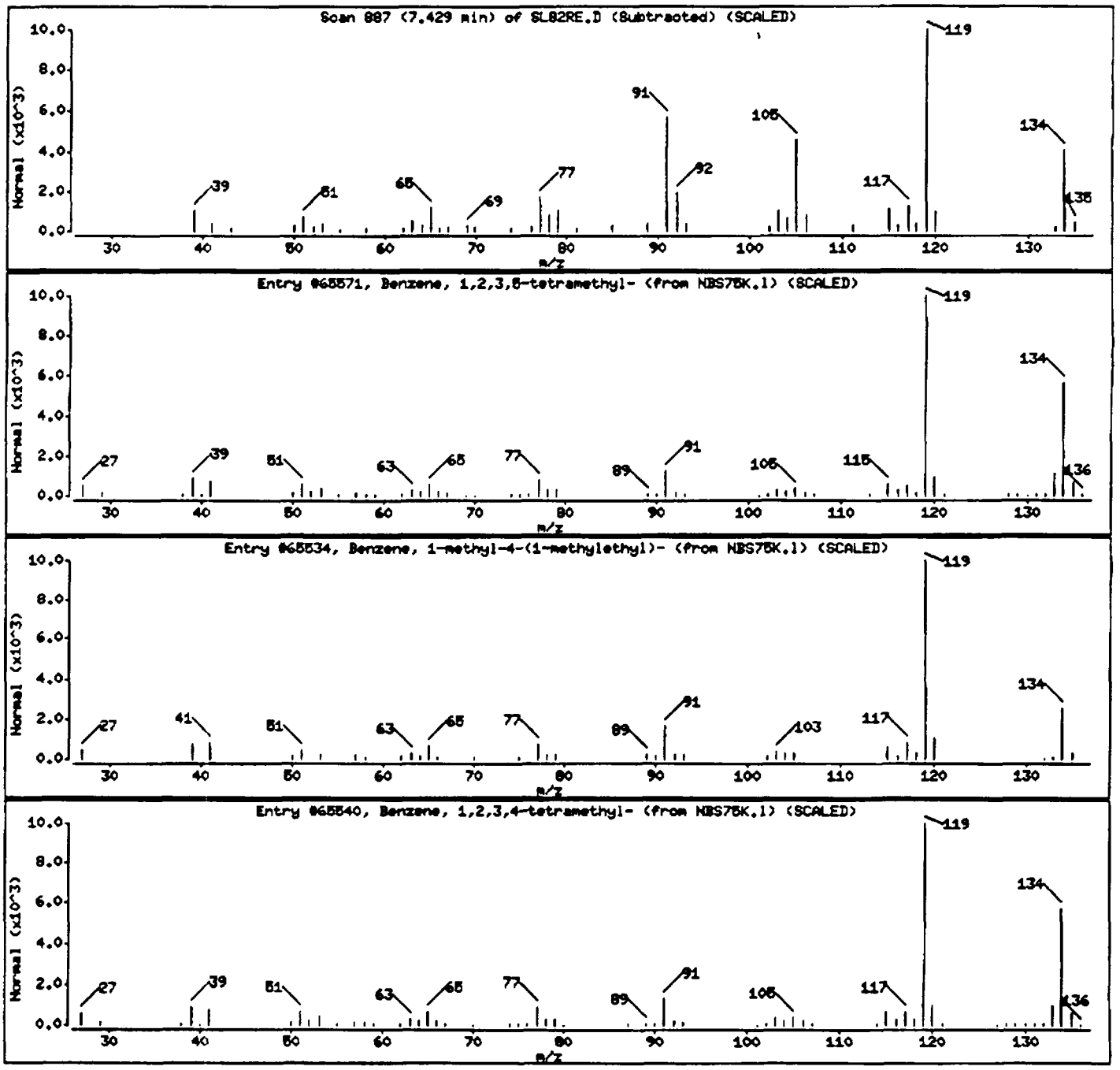
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.l	65571	93	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65534	93	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.l	65540	93	C10H14	134



Data File: \\qcanoh06\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,i-olp90.sub

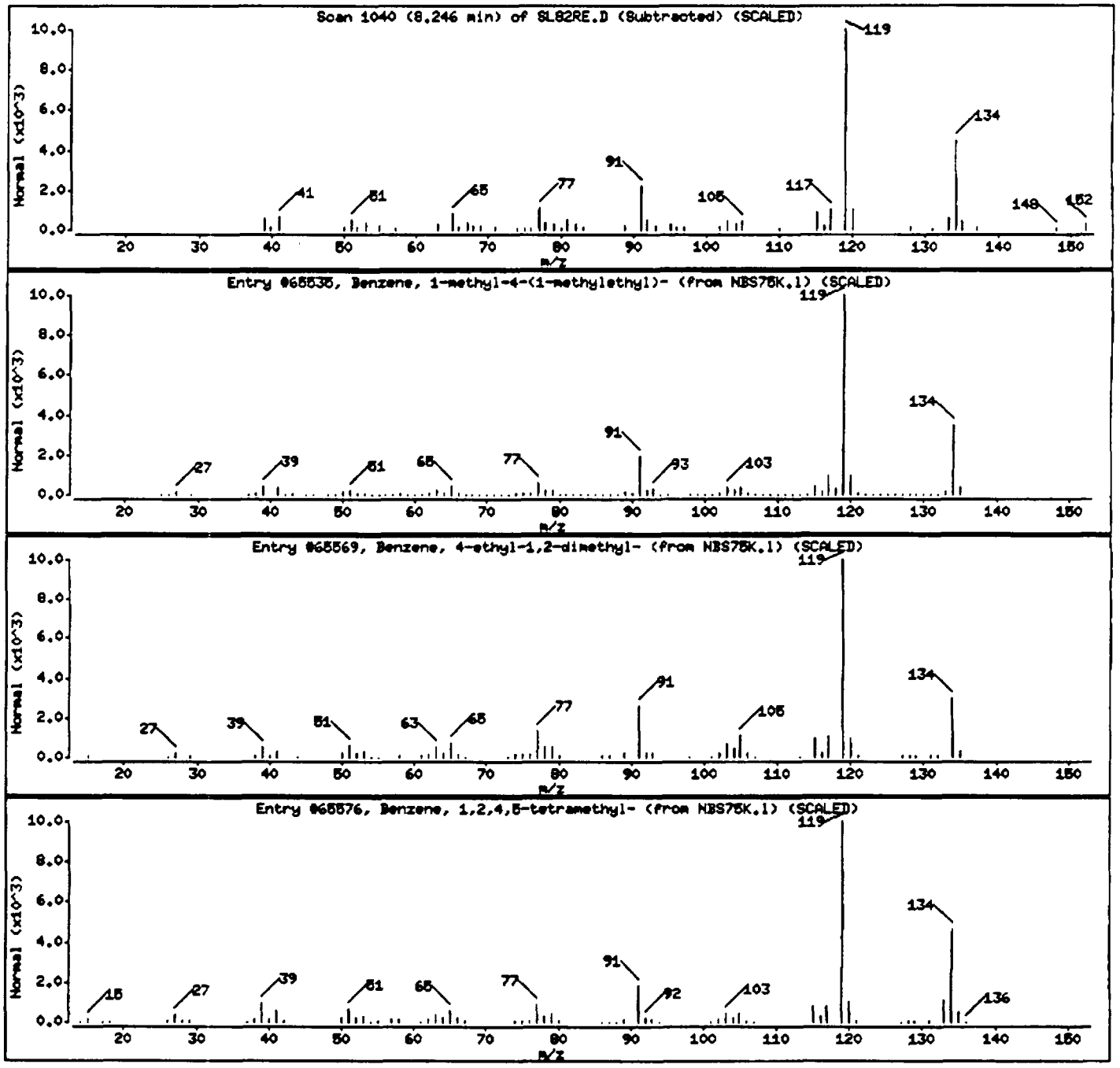
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.l	65535	94	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	91	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65576	91	C10H14	134



Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: d=jfj2ah,01204a.b,olp31,1-olp90.sub

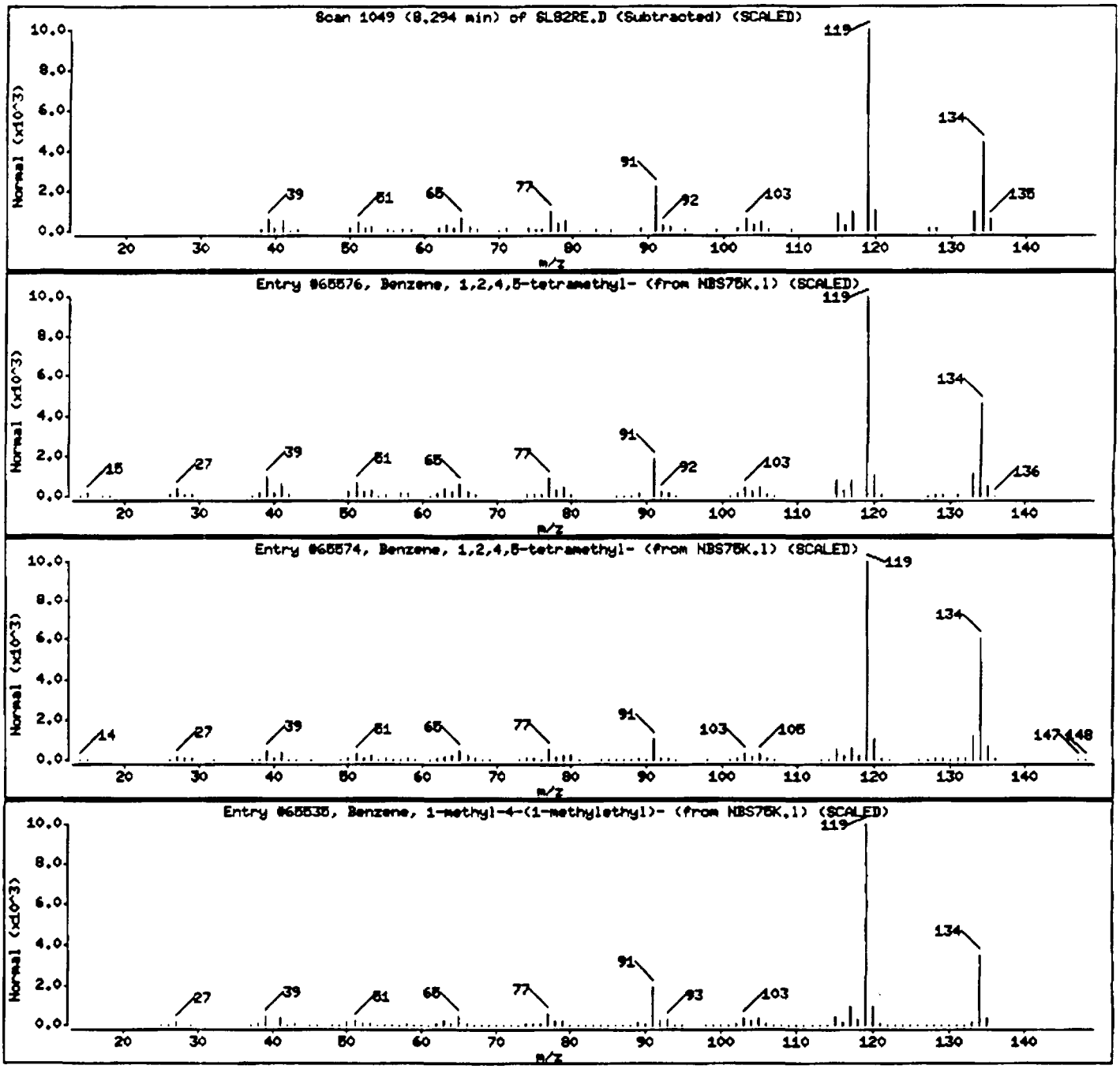
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.1	65576	96	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.1	65574	94	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.1	65535	93	C10H14	134



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Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,i-olp90.sub

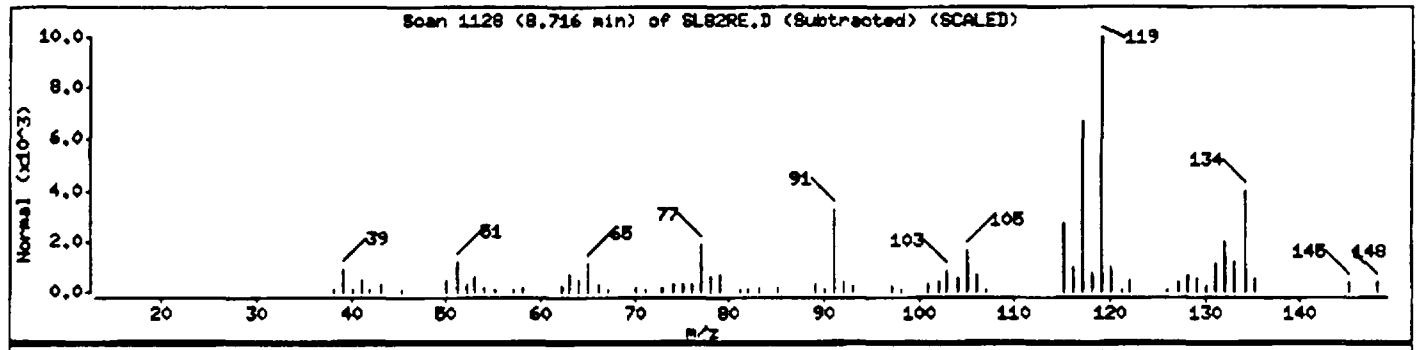
Volume Injected (uL): 2.0

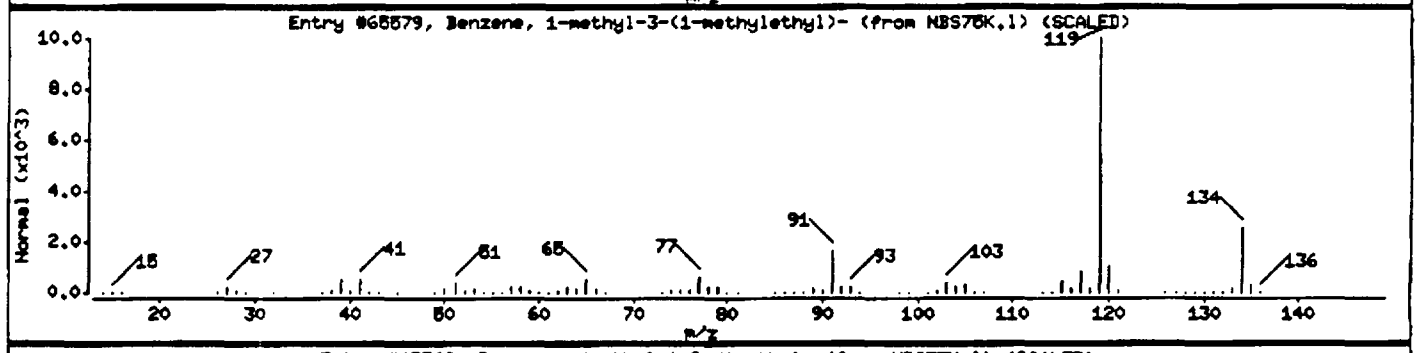
Operator: 001574

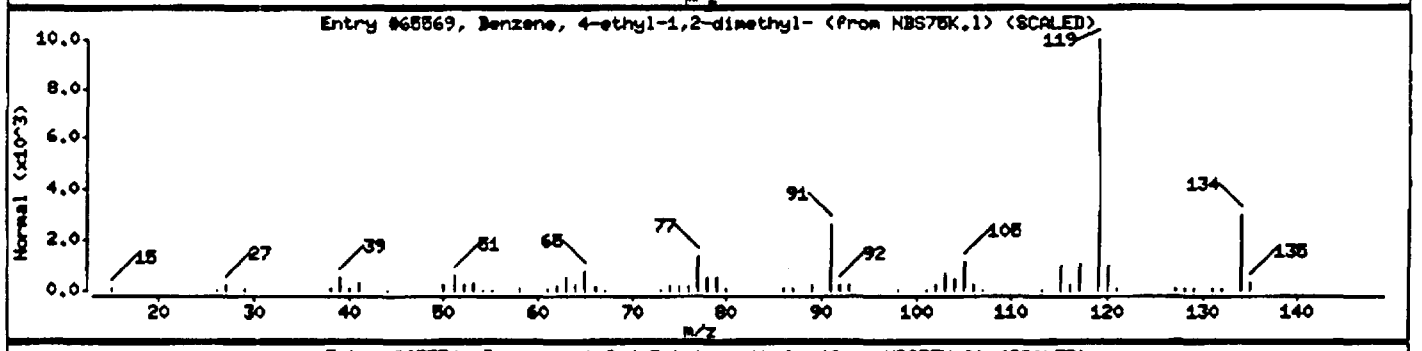
Column phase:

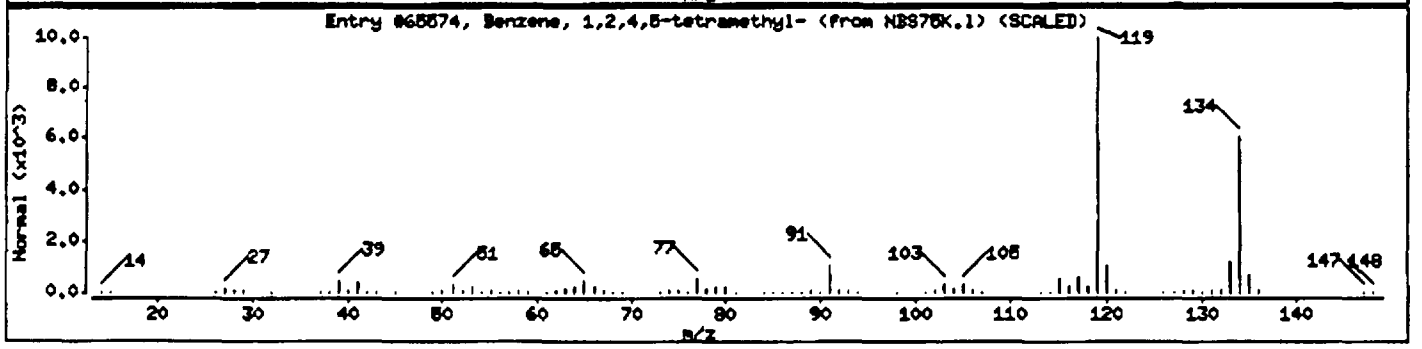
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.l	65579	60	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.l	65569	60	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.l	65574	60	C10H14	134









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Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,i-olp90.sub

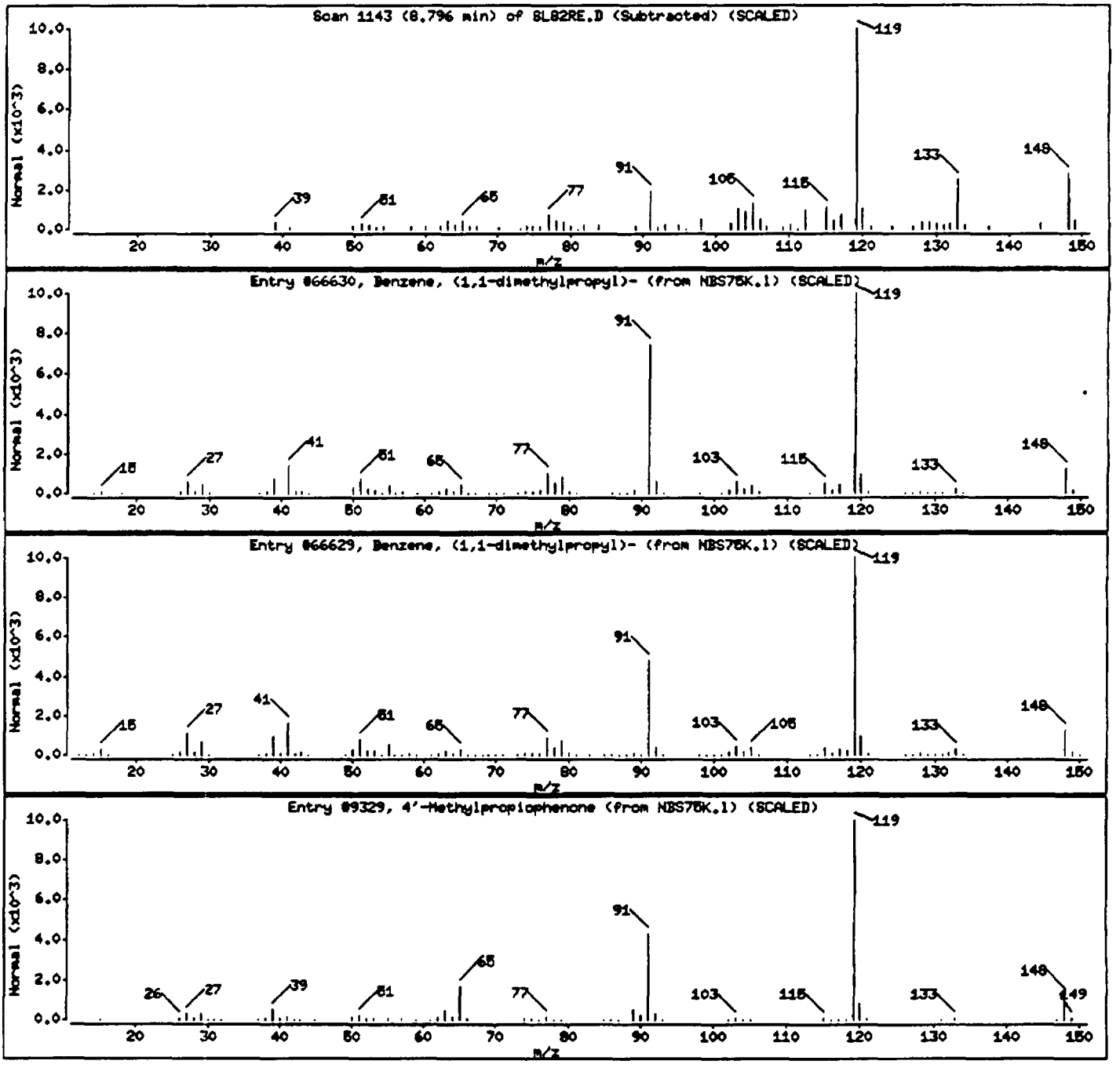
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, (1,1-dimethylpropyl)-	2049-96-8	NBS75K.l	66630	53	C11H16	148
Benzene, (1,1-dimethylpropyl)-	2049-96-8	NBS75K.l	66629	53	C11H16	148
4'-Methylpropiophenone	5337-93-9	NBS75K.l	9329	52	C10H12O	148



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpj#j2ah,01204a.b,olp31,1-olp90.sub

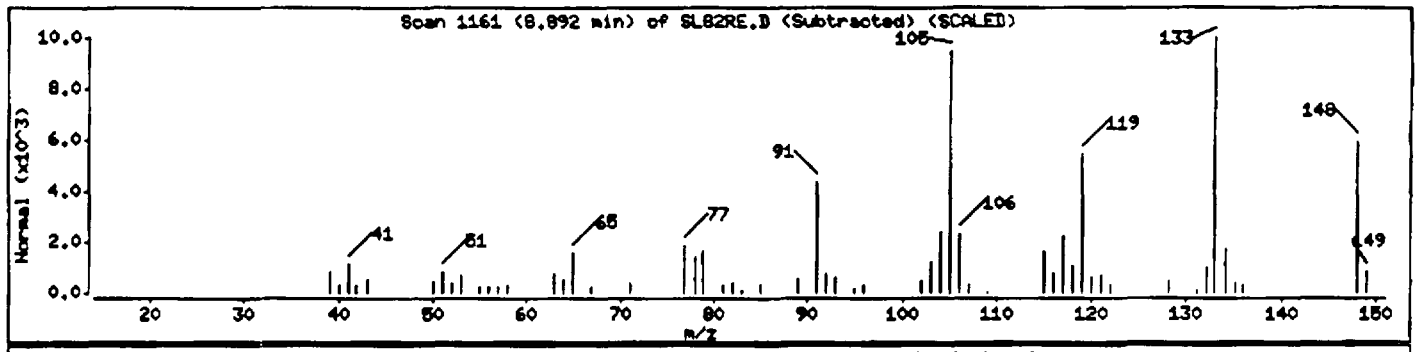
Volume Injected (uL): 2.0

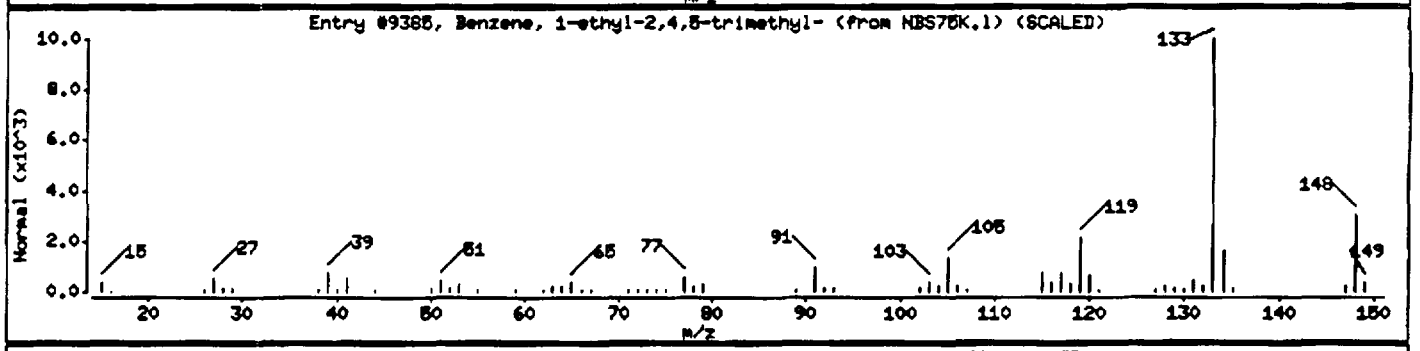
Operator: 001574

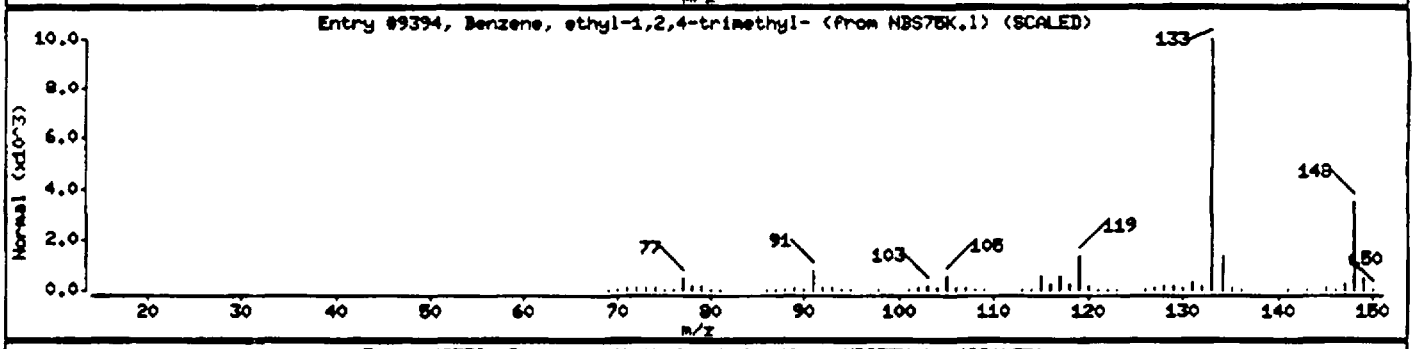
Column phase:

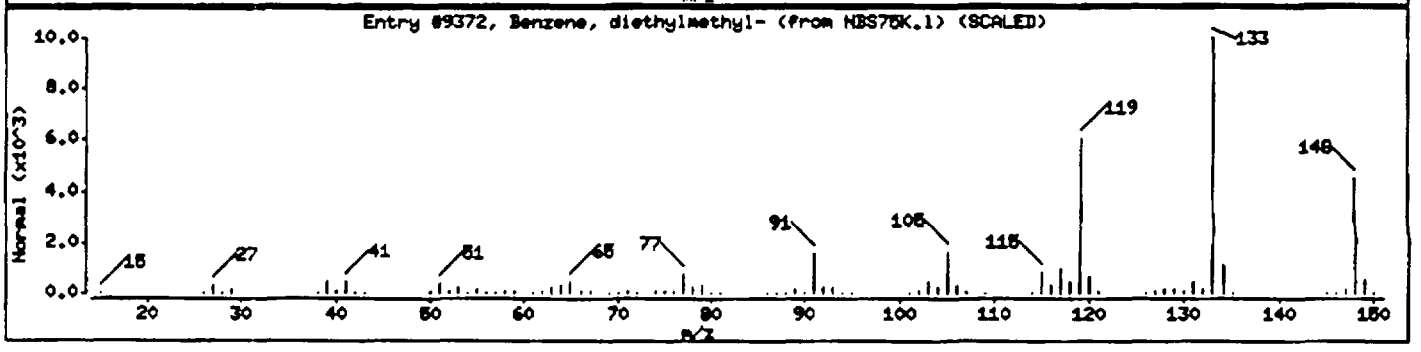
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-2,4,5-trimethyl-	17851-27-3	NBS75K.l	9385	68	C11H16	148
Benzene, ethyl-1,2,4-trimethyl-	54120-62-6	NBS75K.l	9394	68	C11H16	148
Benzene, diethylmethyl-	25550-13-4	NBS75K.l	9372	64	C11H16	148









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

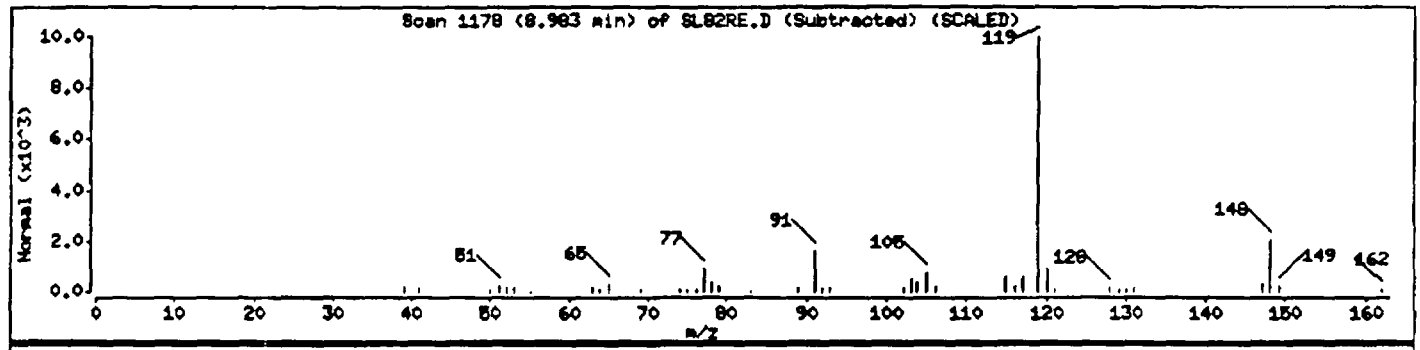
Volume Injected (uL): 2.0

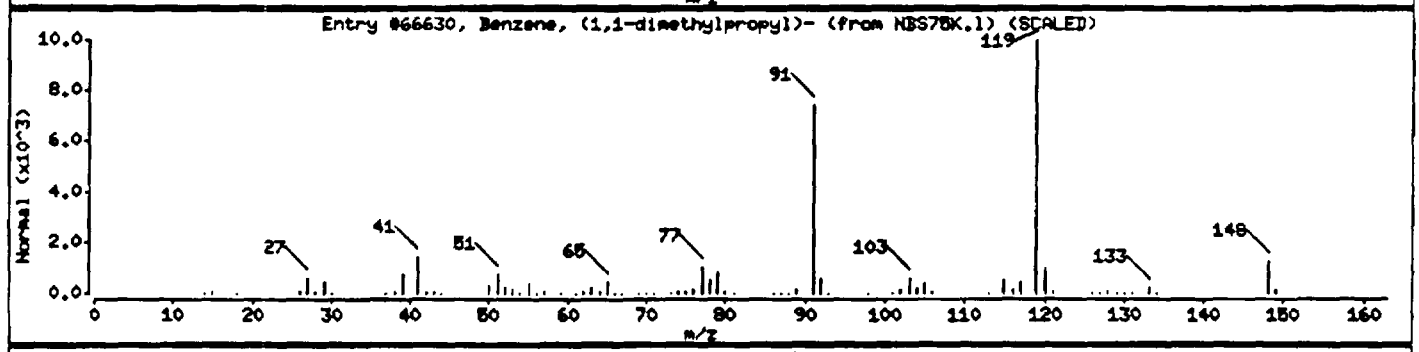
Operator: 001574

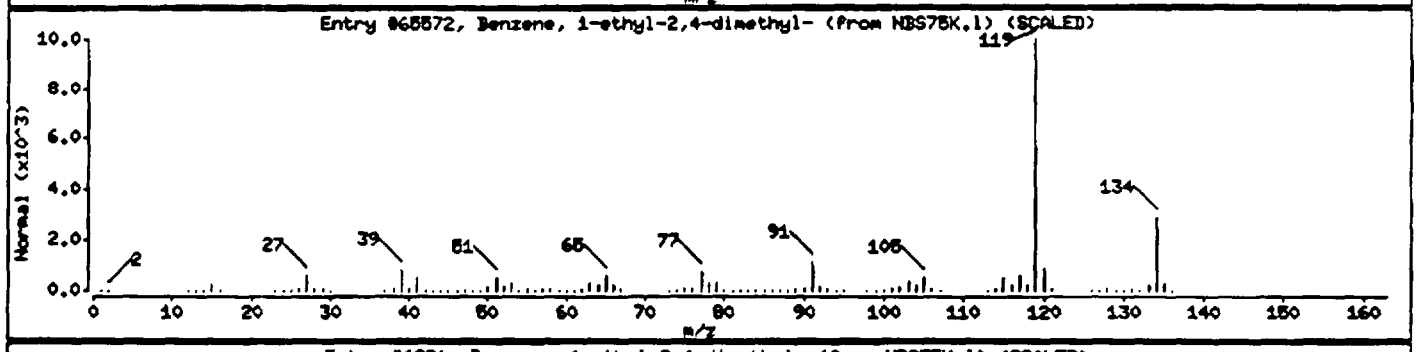
Column phase:

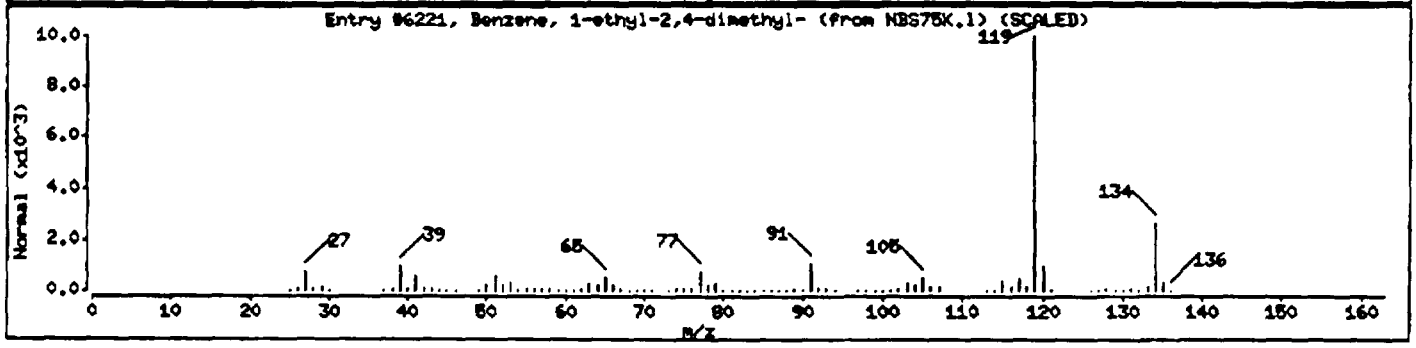
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, (1,1-dimethylpropyl)-	2049-95-8	NBS75K.l	66630	86	C11H16	148
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	65572	72	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.l	6221	64	C10H14	134









Data File: \\qoanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,i-olp90.sub

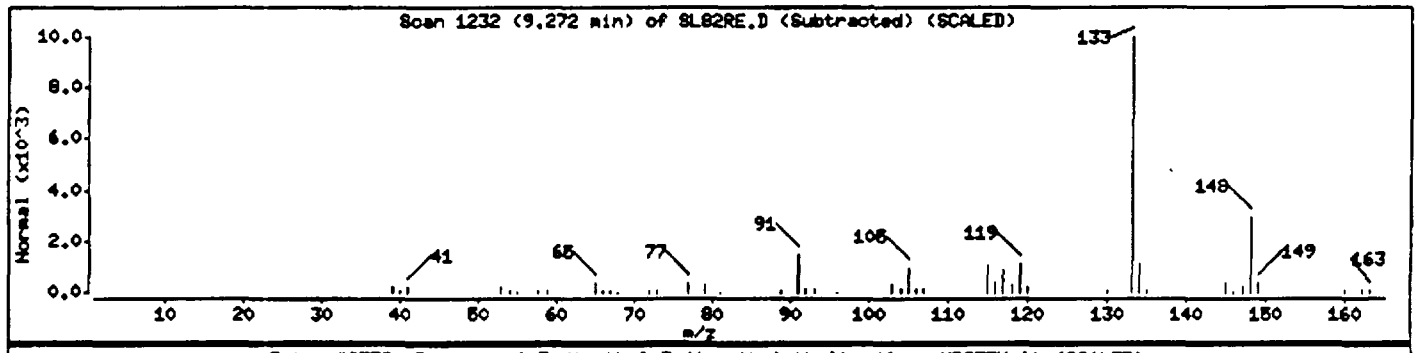
Volume Injected (uL): 2.0

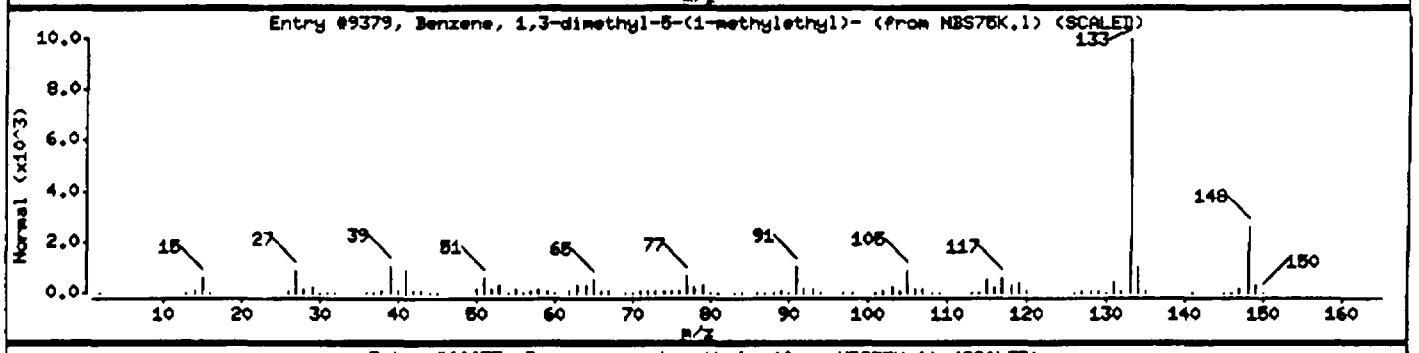
Operator: 001574

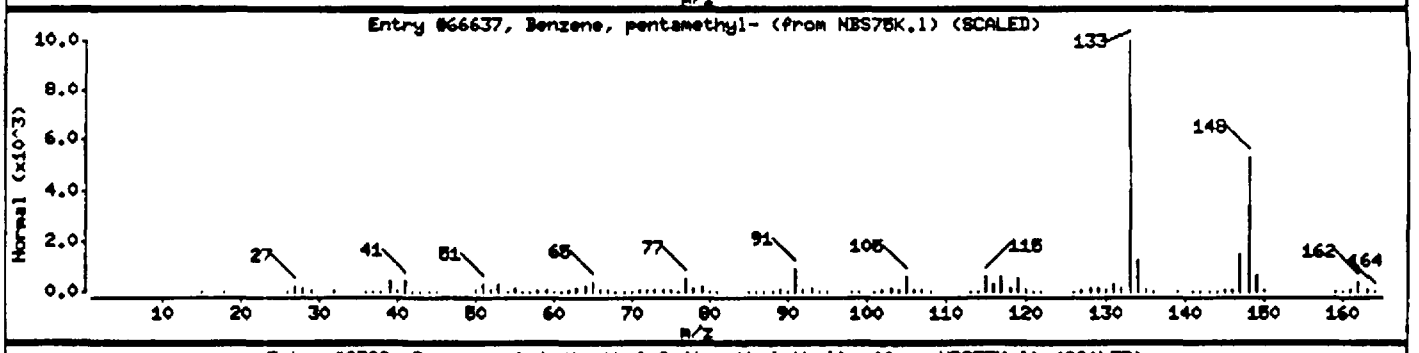
Column phase:

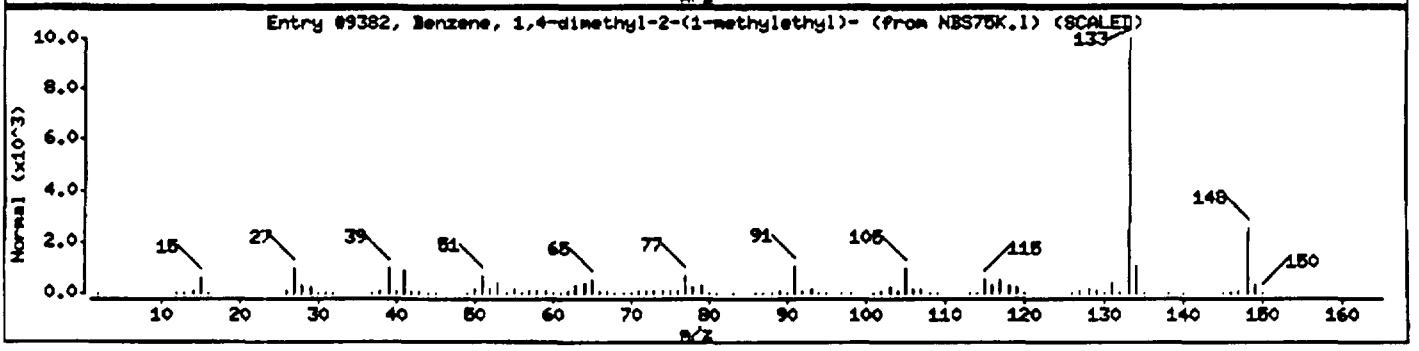
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NBS75K.l	9379	91	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66637	91	C11H16	148
Benzene, 1,4-dimethyl-2-(1-methylethyl)-	4132-72-3	NBS75K.l	9382	90	C11H16	148









Data File: \\qoanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,i-olp90.sub

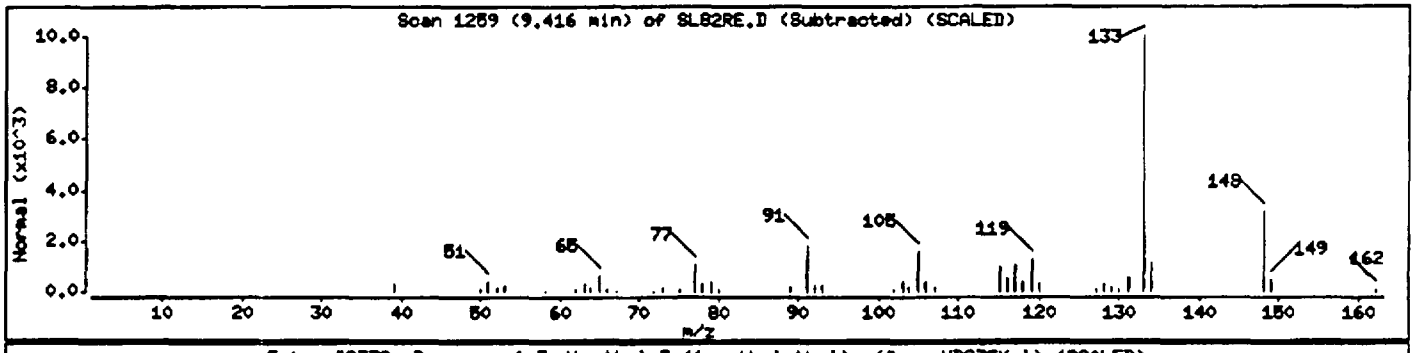
Volume Injected (uL): 2.0

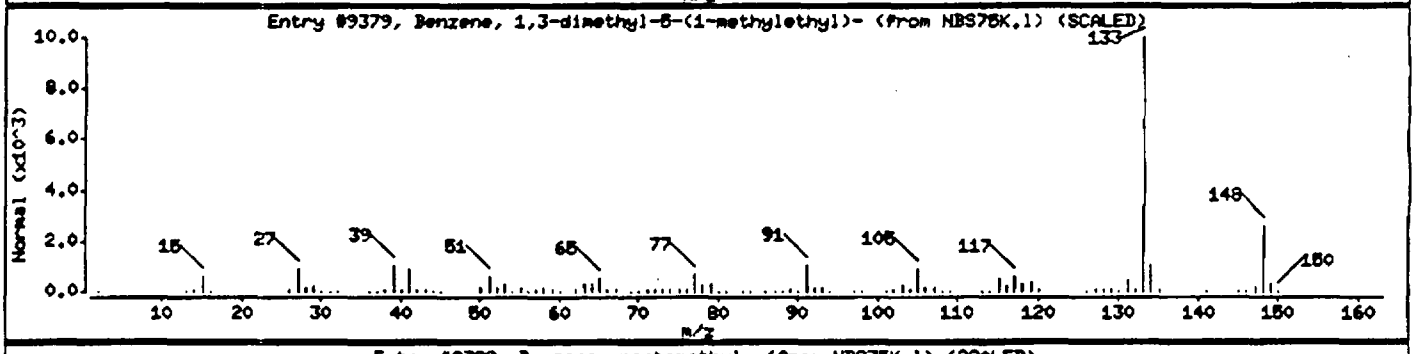
Operator: 001574

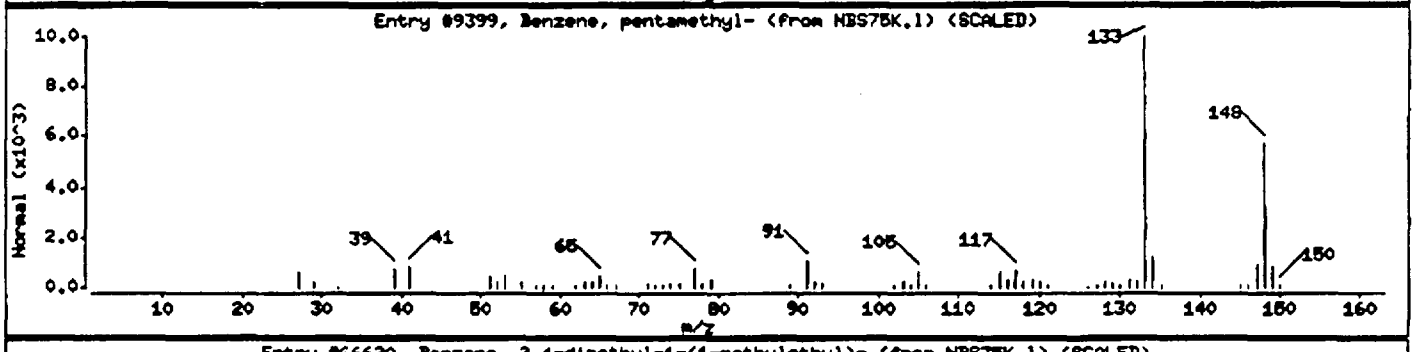
Column phase:

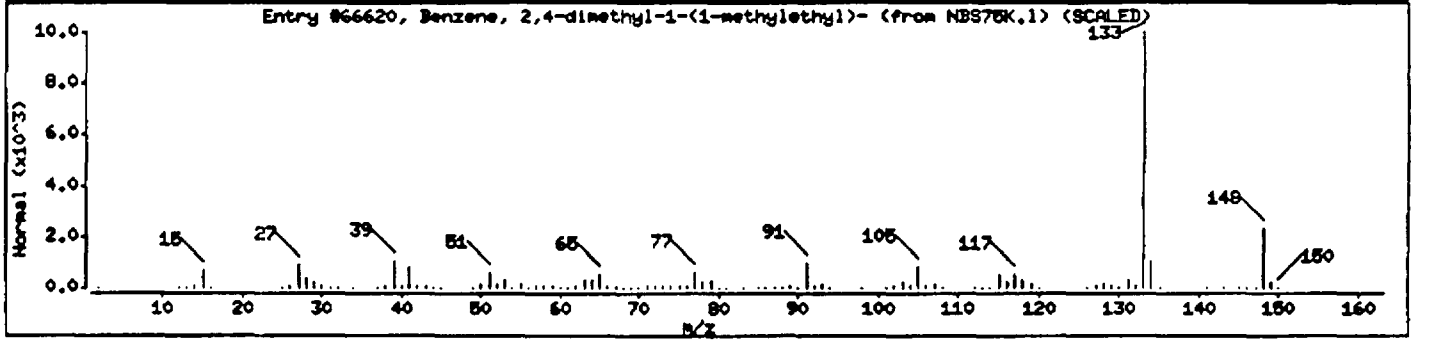
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NBS75K.l	9379	91	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	9399	91	C11H16	148
Benzene, 2,4-dimethyl-1-(1-methylethyl)-	4706-89-2	NBS75K.l	66620	91	C11H16	148









Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjPj2ah,01204a.b,olp31,i-olp90.sub

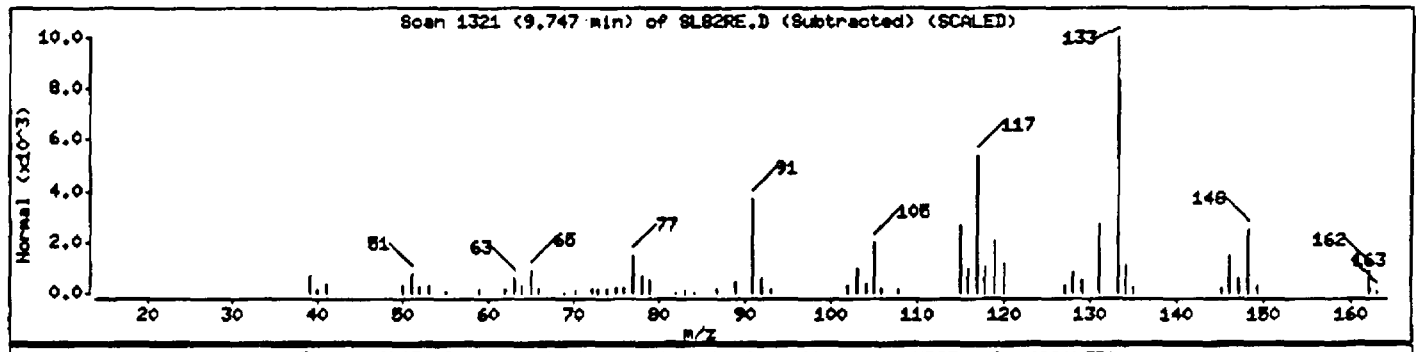
Volume Injected (uL): 2.0

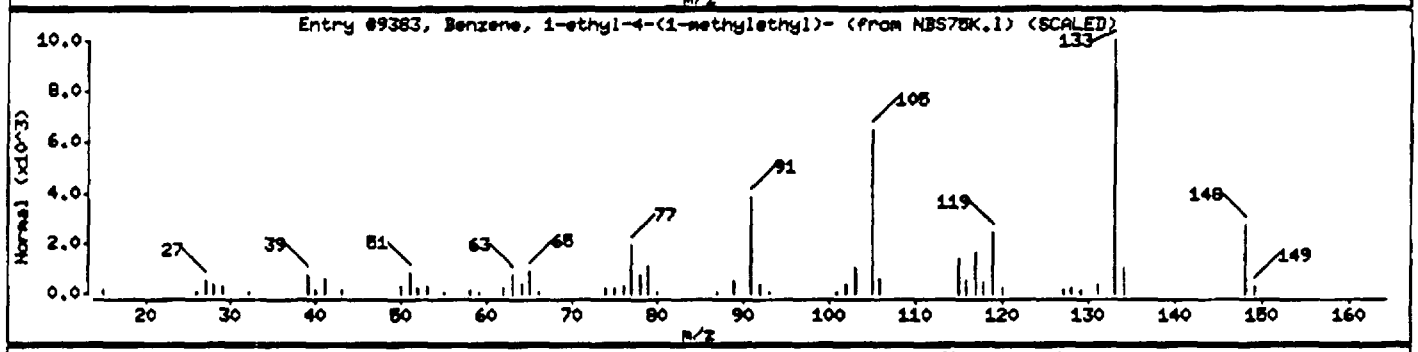
Operator: 001574

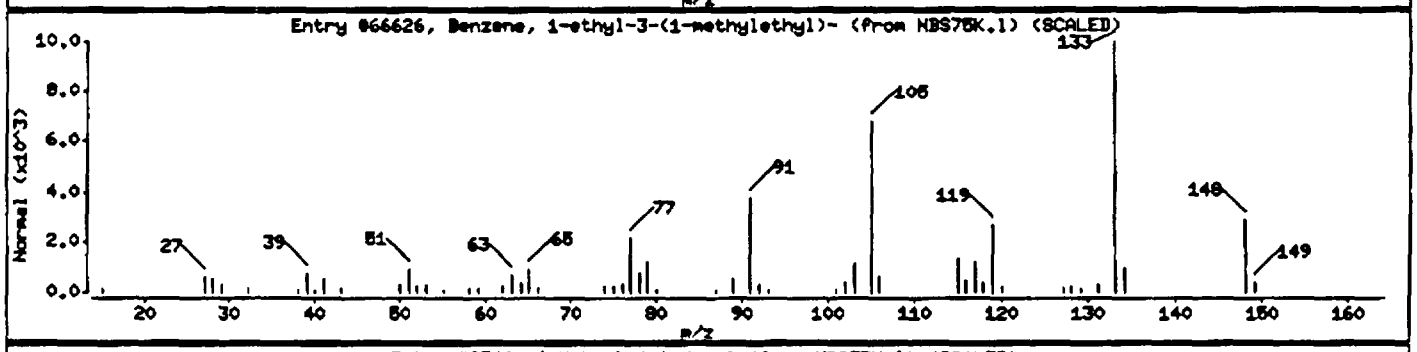
Column phase:

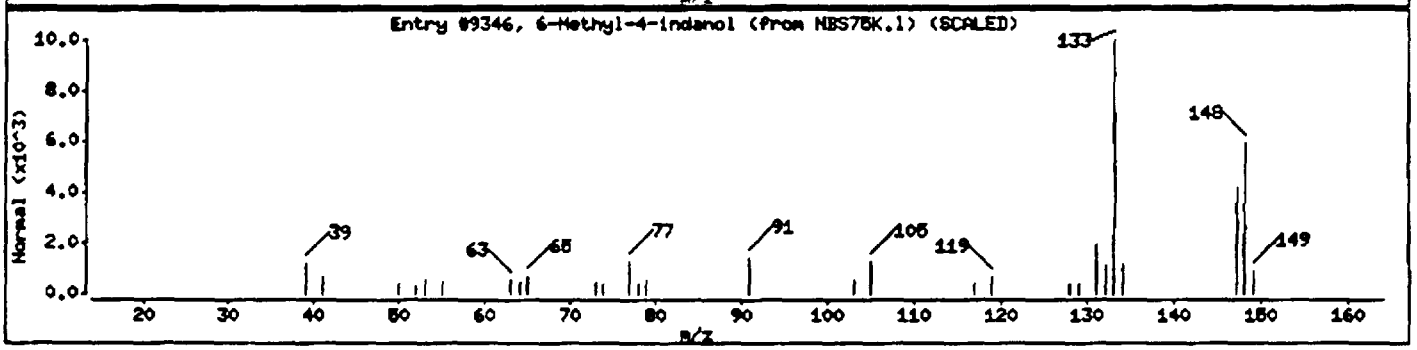
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, 1-ethyl-4-(1-methylethyl)-	4218-48-8	NBS75K.l	9383	64	C11H16	148
Benzene, 1-ethyl-3-(1-methylethyl)-	4920-99-4	NBS75K.l	66626	53	C11H16	148
6-Methyl-4-indanol	20294-32-0	NBS75K.l	9346	49	C10H12O	148









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,clp31,i-clp90.sub

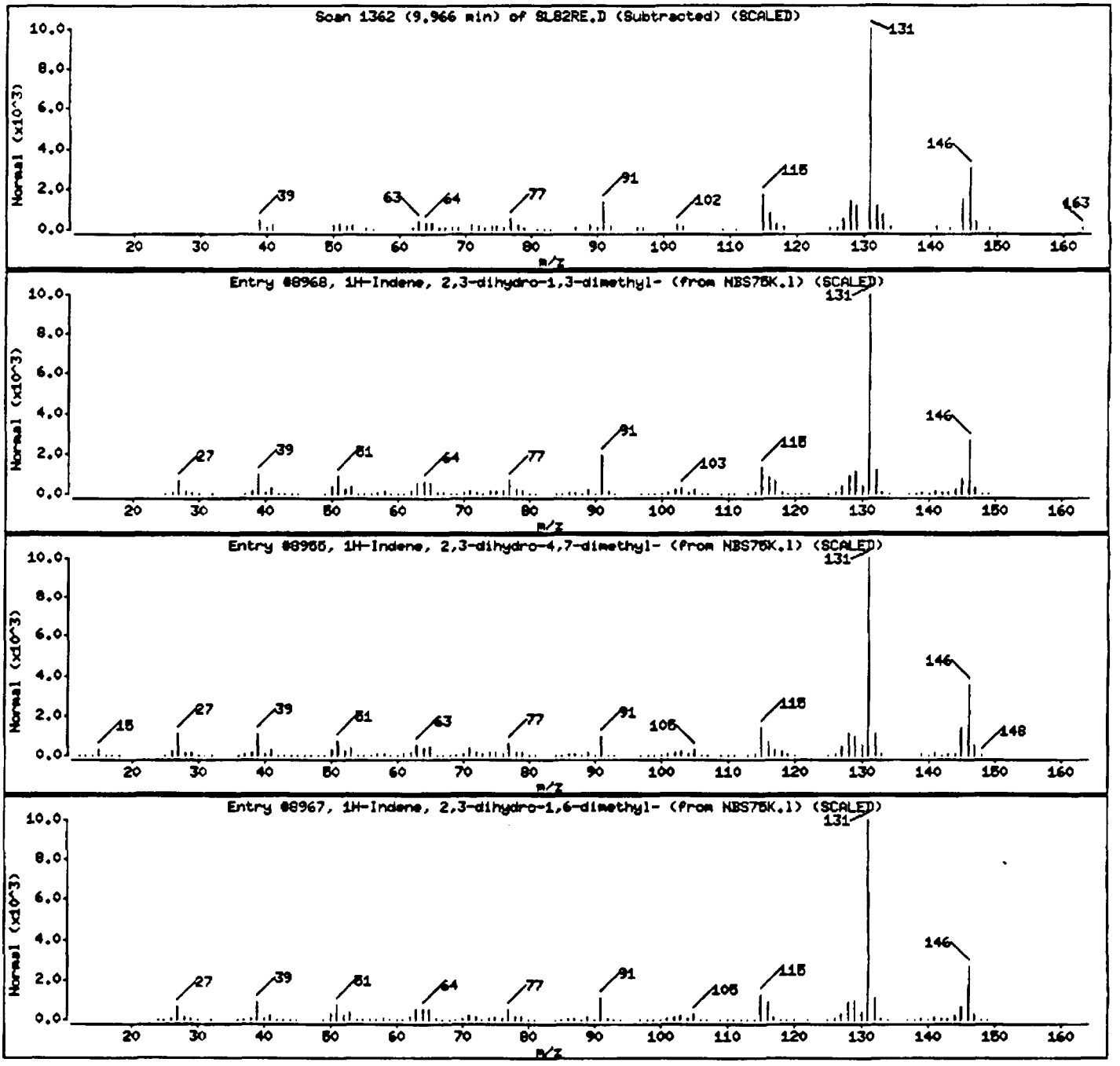
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1H-Indene, 2,3-dihydro-1,3-dimethyl-	4175-53-5	NBS75K.l	8968	91	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	91	C11H14	146
1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	NBS75K.l	8967	90	C11H14	146



Data File: \\qcanoh05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

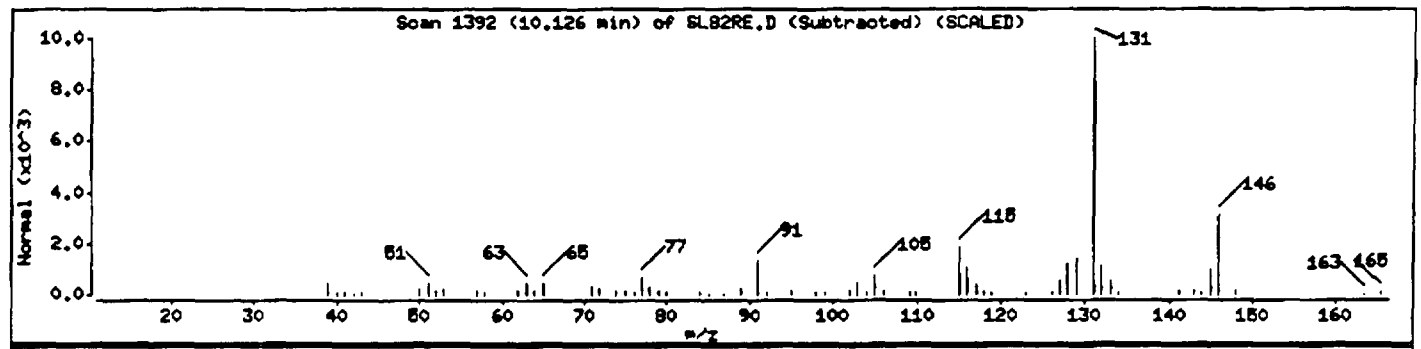
Client ID: SL-82-9.0' Instrument: a4hp9.i

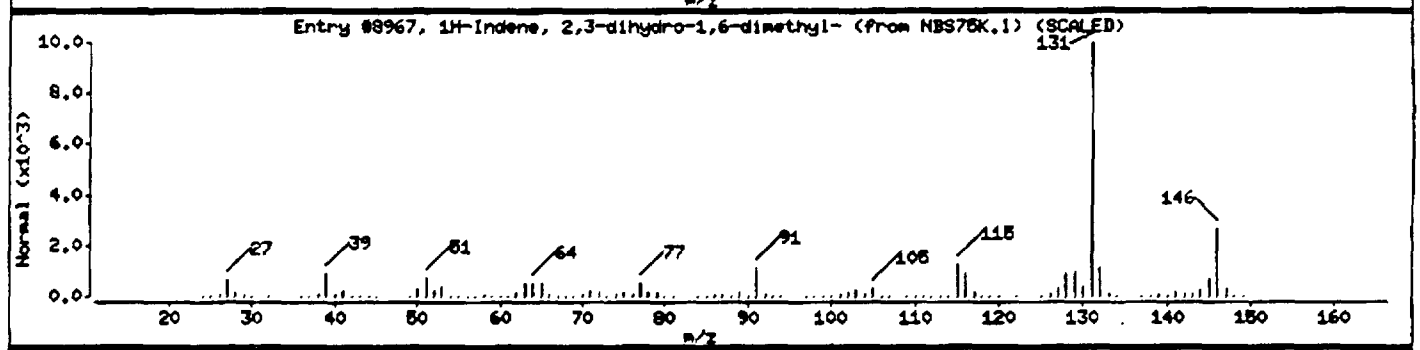
Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

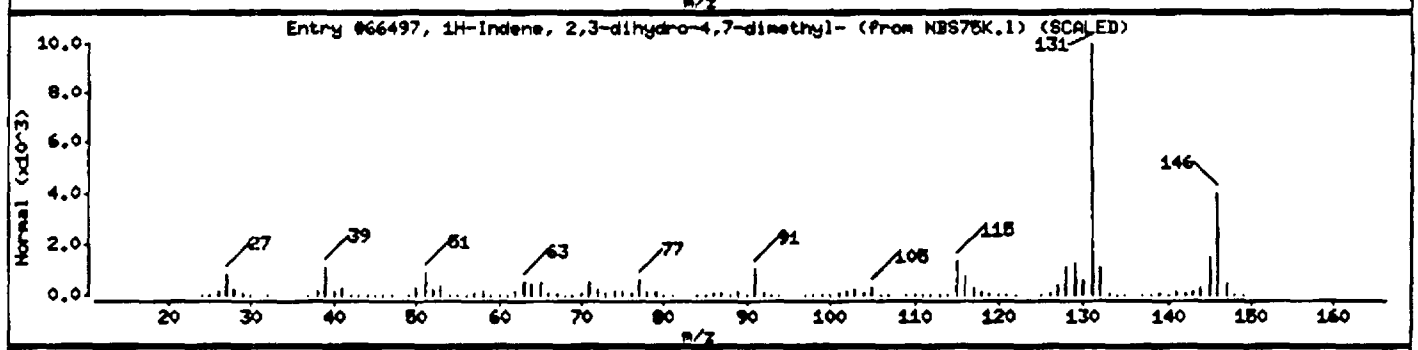
Volume Injected (uL): 2.0 Operator: 001574

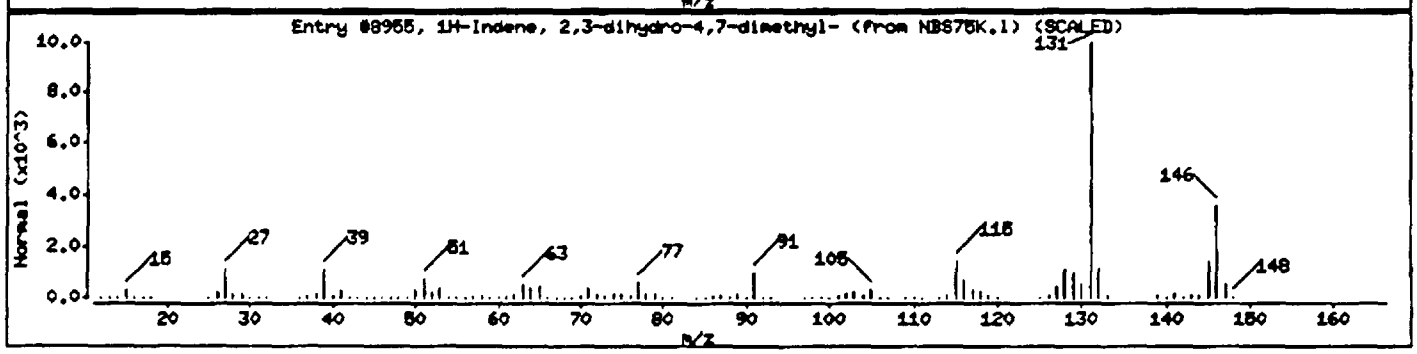
Column phase: Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	NBS75K.l	8967	91	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	66497	90	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	NBS75K.l	8955	90	C11H14	146









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

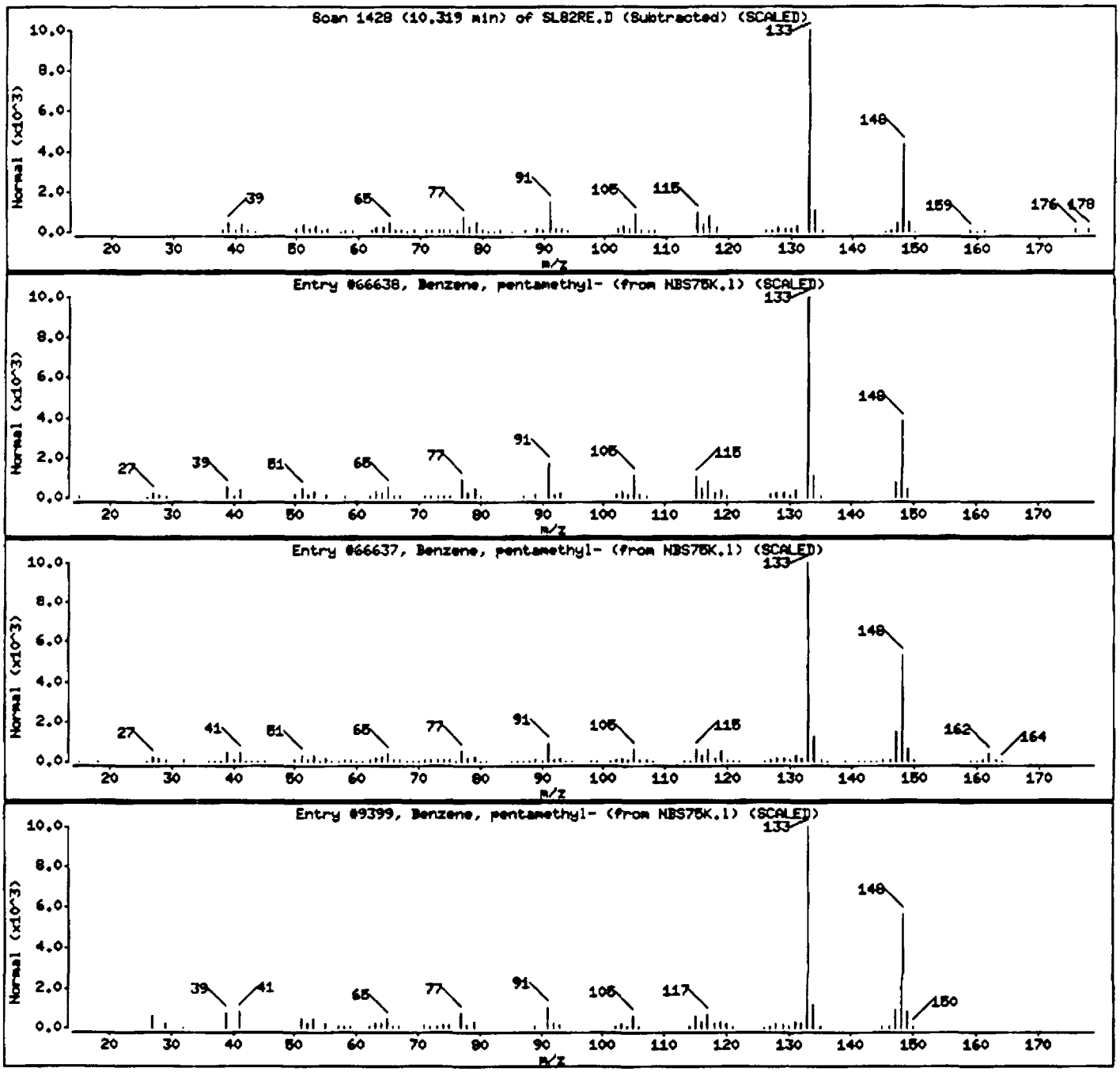
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzene, pentamethyl-	700-12-9	NBS75K.l	66638	91	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	66637	91	C11H16	148
Benzene, pentamethyl-	700-12-9	NBS75K.l	9399	91	C11H16	148



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Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,clp31,1-clp90.sub

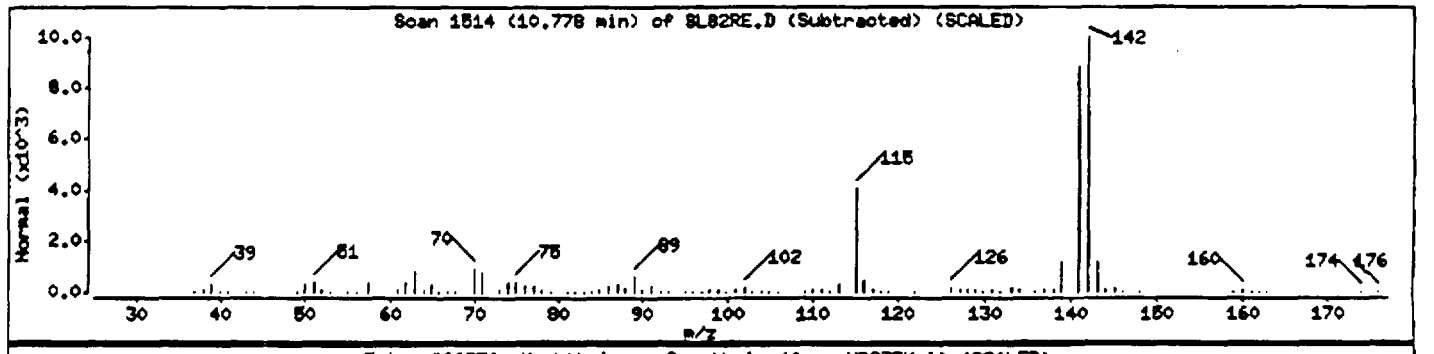
Volume Injected (uL): 2.0

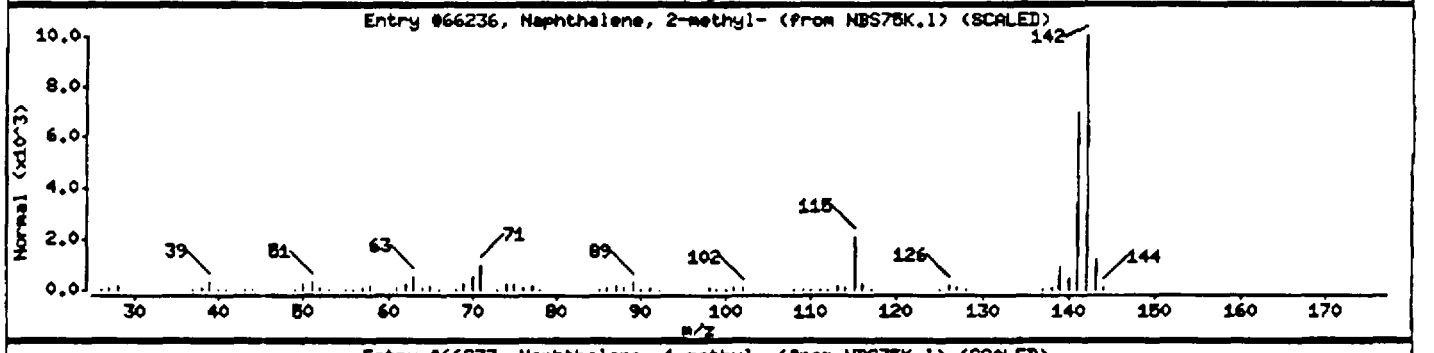
Operator: 001574

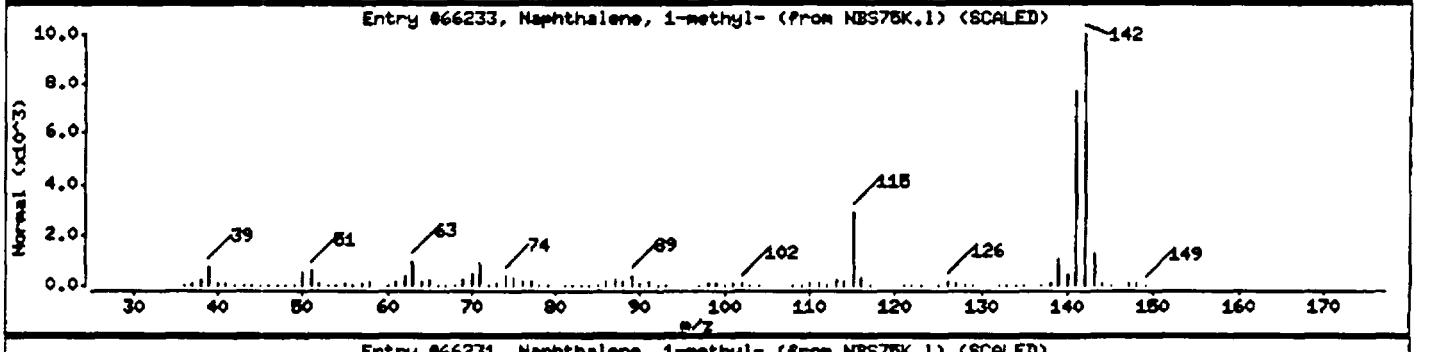
Column phase:

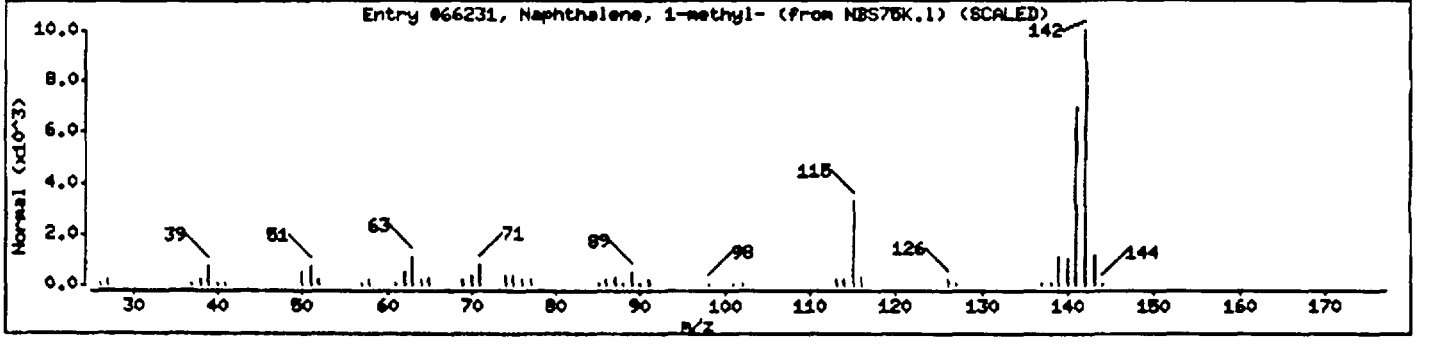
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2-methyl-	91-57-6	NBS75K.l	66236	94	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66233	93	C11H10	142
Naphthalene, 1-methyl-	90-12-0	NBS75K.l	66231	91	C11H10	142









Data File: \\moanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

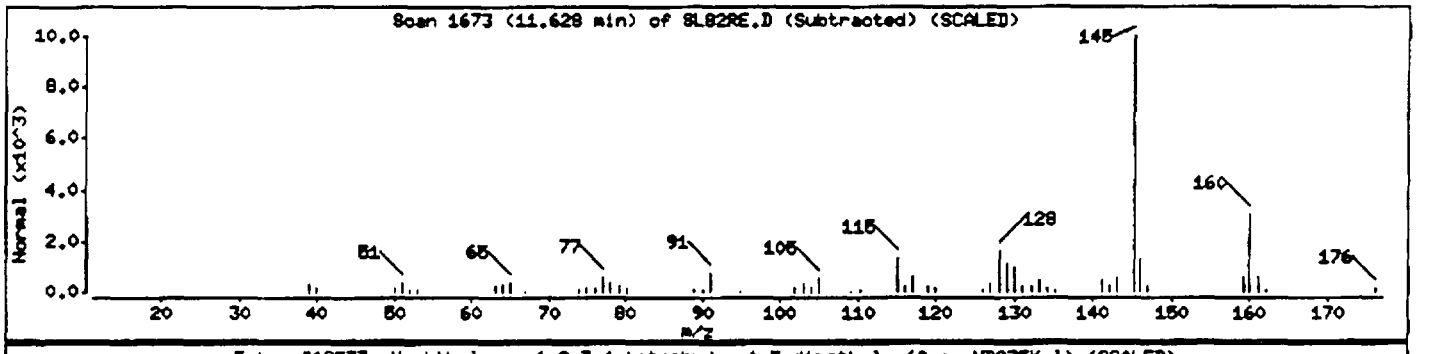
Volume Injected (uL): 2.0

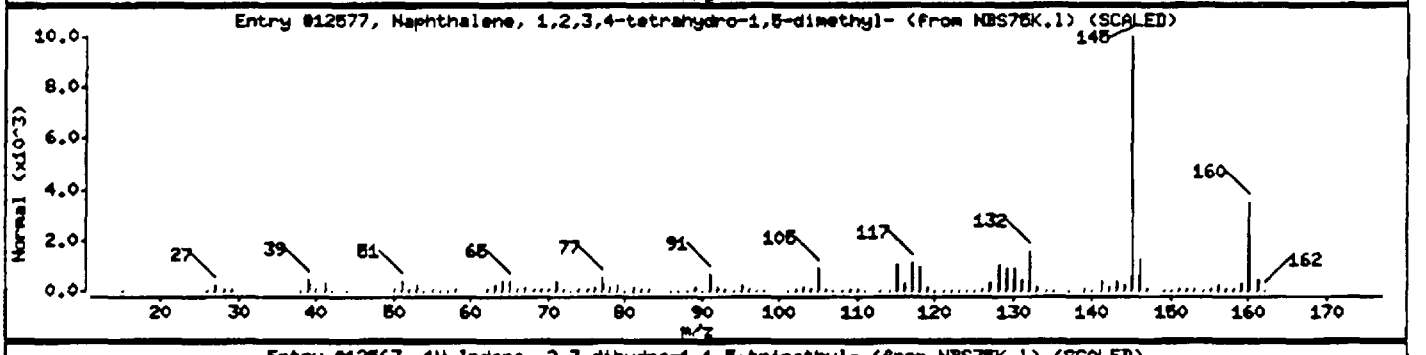
Operator: 001874

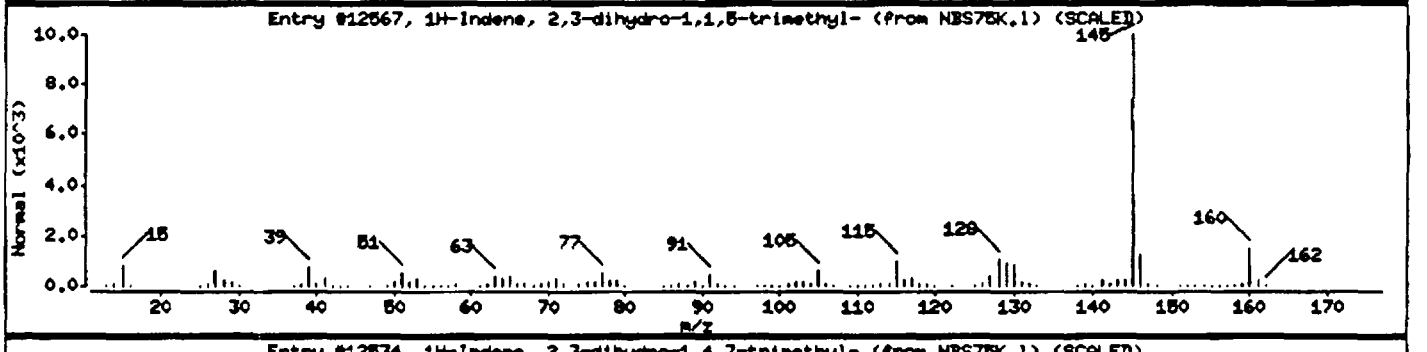
Column phase:

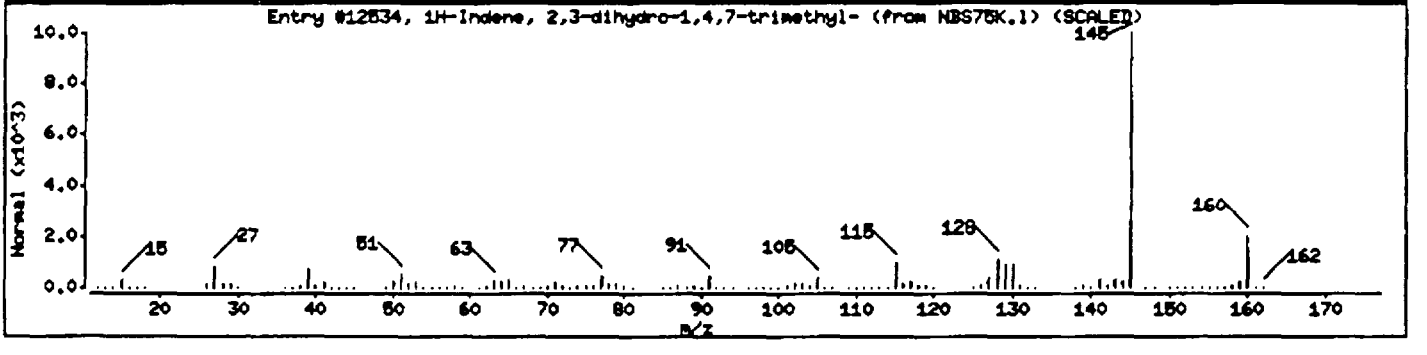
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,2,3,4-tetrahydro-1,5-dime	21564-91-0	NBS75K.l	12577	91	C12H16	160
1H-Indene, 2,3-dihydro-1,1,5-trimethyl-	40650-41-7	NBS75K.l	12567	90	C12H16	160
1H-Indene, 2,3-dihydro-1,4,7-trimethyl-	54340-87-3	NBS75K.l	12534	90	C12H16	160









Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

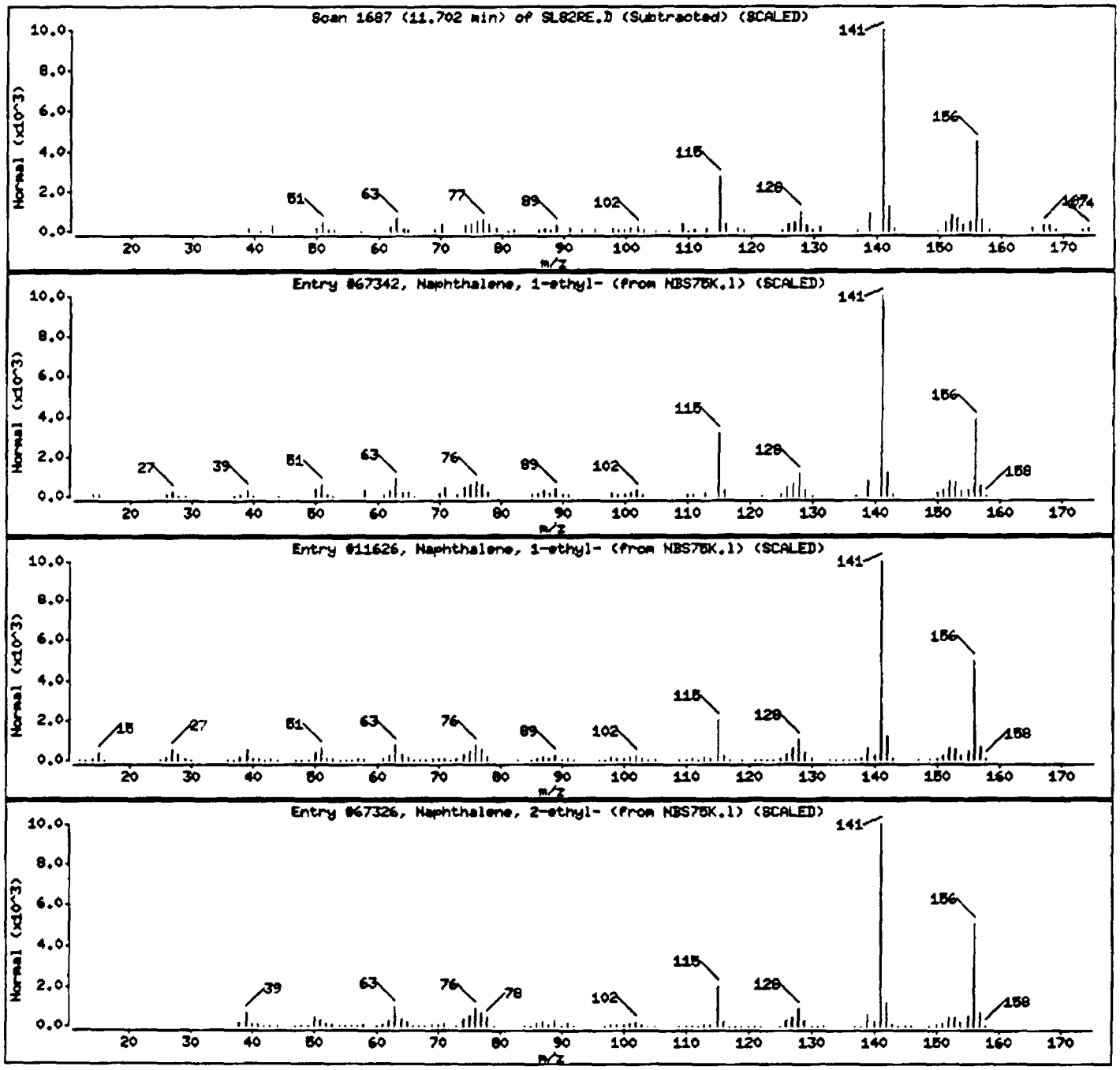
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	67342	95	C12H12	156
Naphthalene, 1-ethyl-	1127-76-0	NBS75K.l	11626	94	C12H12	156
Naphthalene, 2-ethyl-	939-27-5	NBS75K.l	67326	91	C12H12	156



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Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,clp31,1-clp90,sub

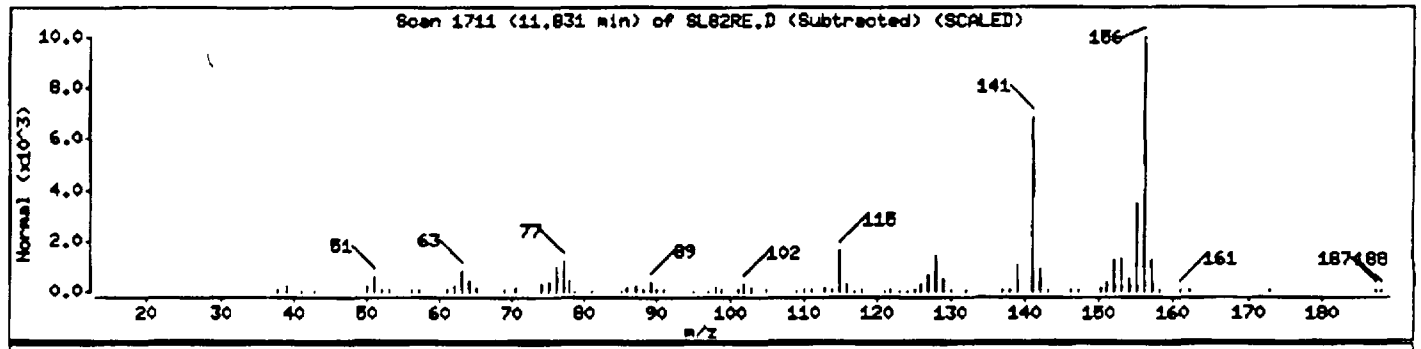
Volume Injected (uL): 2.0

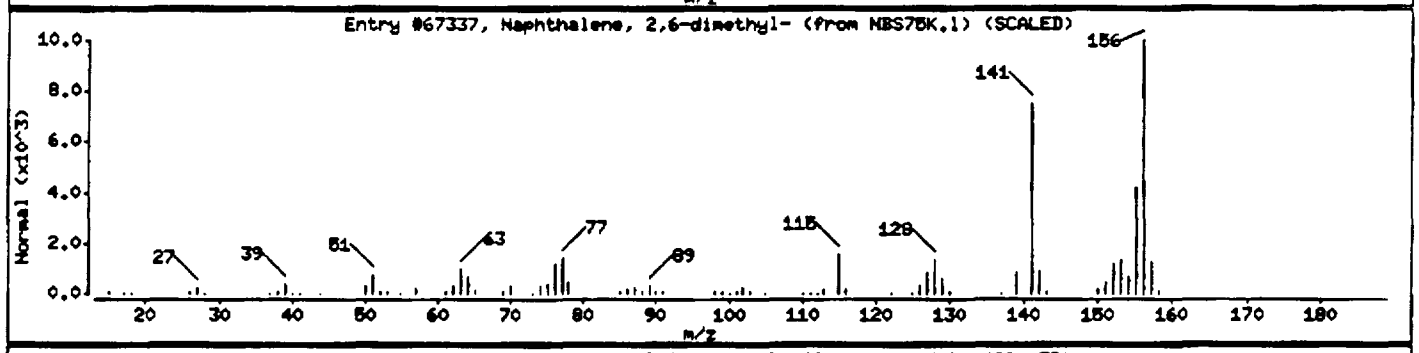
Operator: 001574

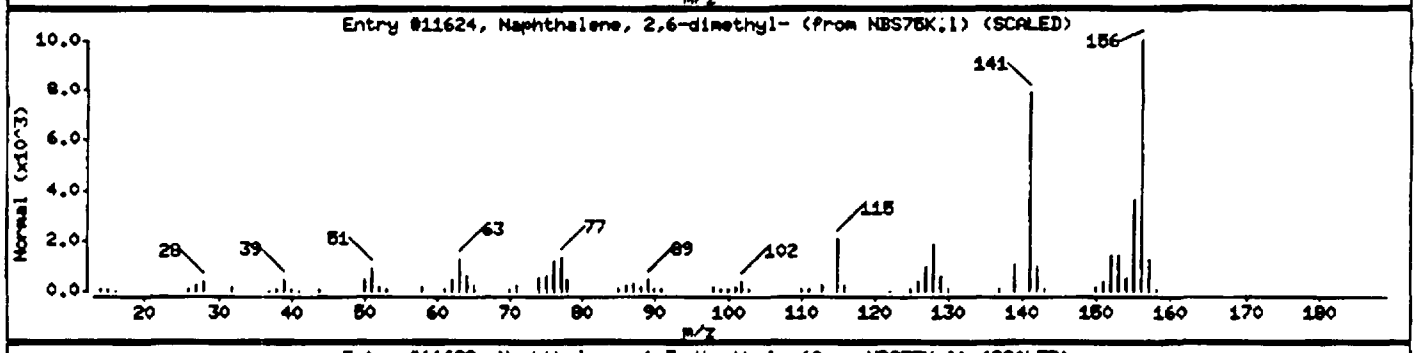
Column phase:

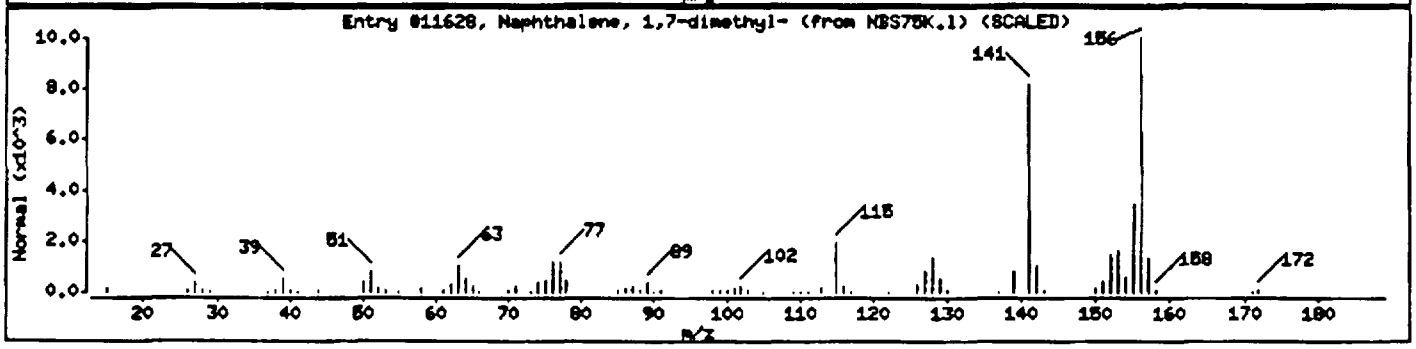
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67337	98	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	11624	98	C12H12	156
Naphthalene, 1,7-dimethyl-	575-37-1	NBS75K.l	11628	98	C12H12	156









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

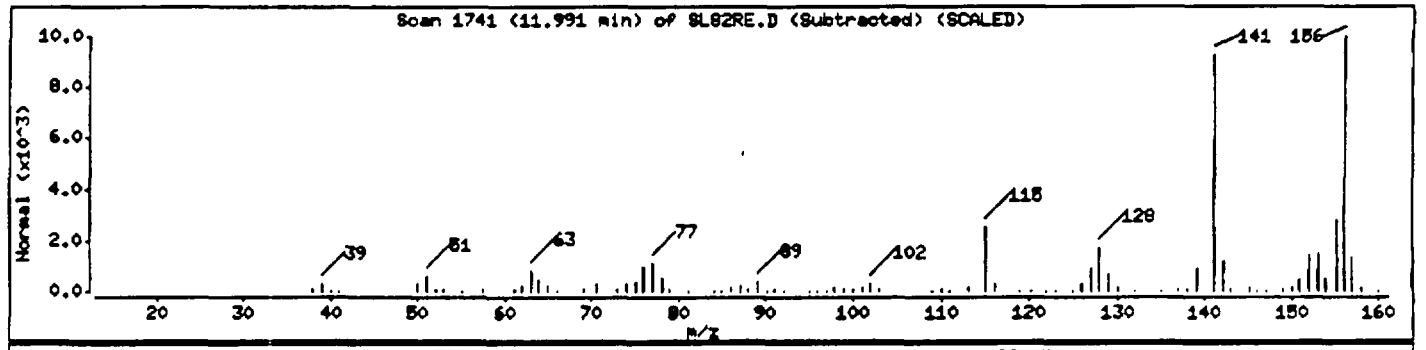
Volume Injected (uL): 2.0

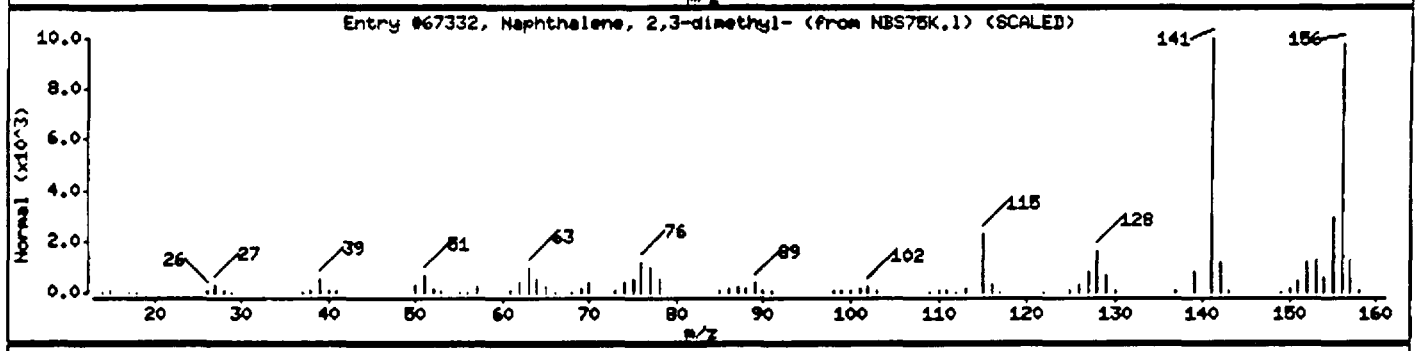
Operator: 001574

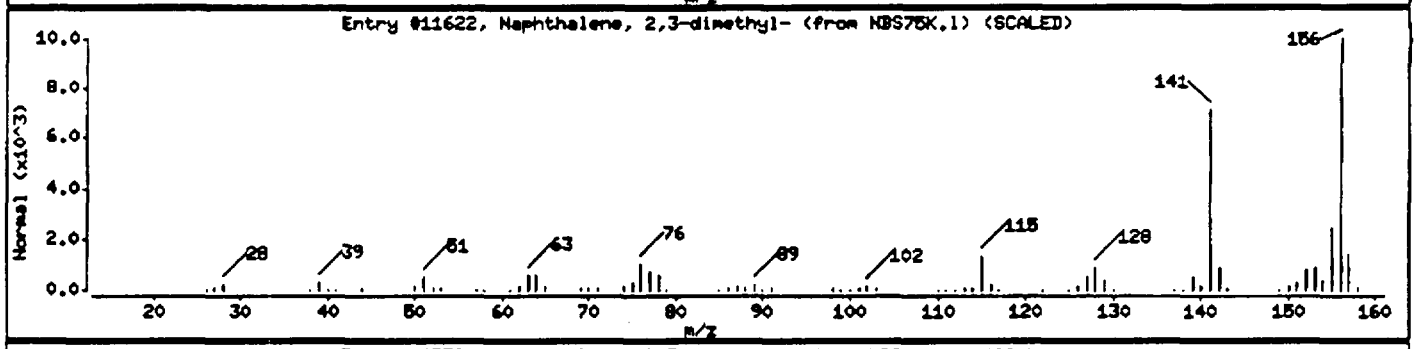
Column phase:

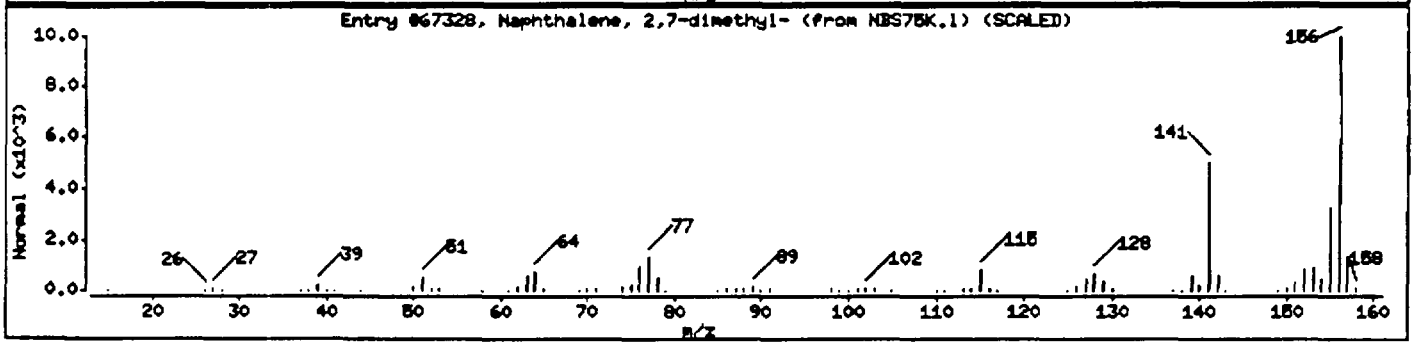
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67332	98	C12H12	156
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	11622	97	C12H12	156
Naphthalene, 2,7-dimethyl-	582-16-1	NBS75K.l	67328	97	C12H12	156









Data File: \\qcanch05\dd\chem\MSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

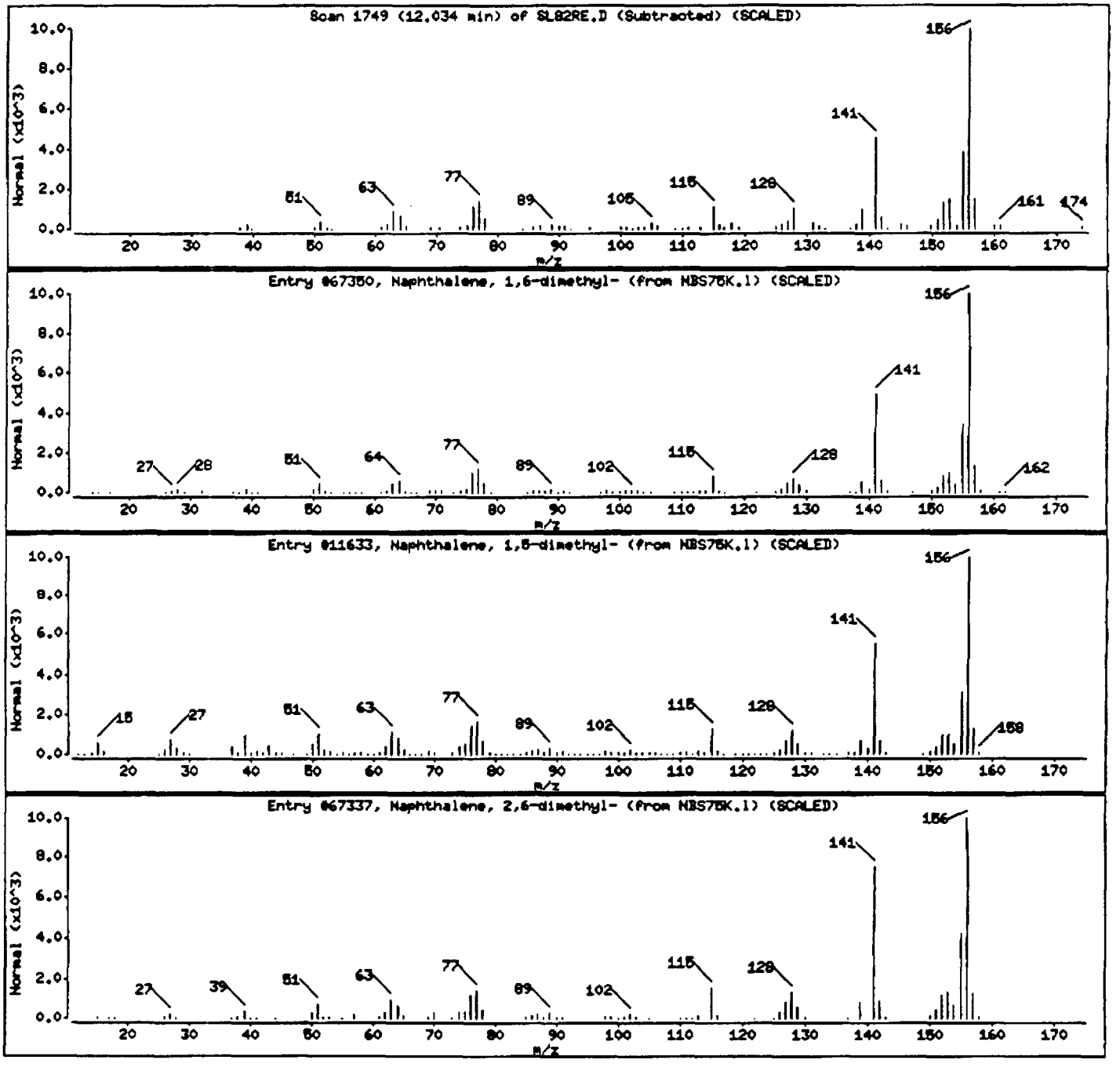
Client ID: SL-82-9.0' Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.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						
Naphthalene, 1,6-dimethyl-	575-43-9	NBS75K.l	67350	94	C12H12	156
Naphthalene, 1,5-dimethyl-	571-61-9	NBS75K.l	11633	94	C12H12	156
Naphthalene, 2,6-dimethyl-	581-42-0	NBS75K.l	67337	94	C12H12	156



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

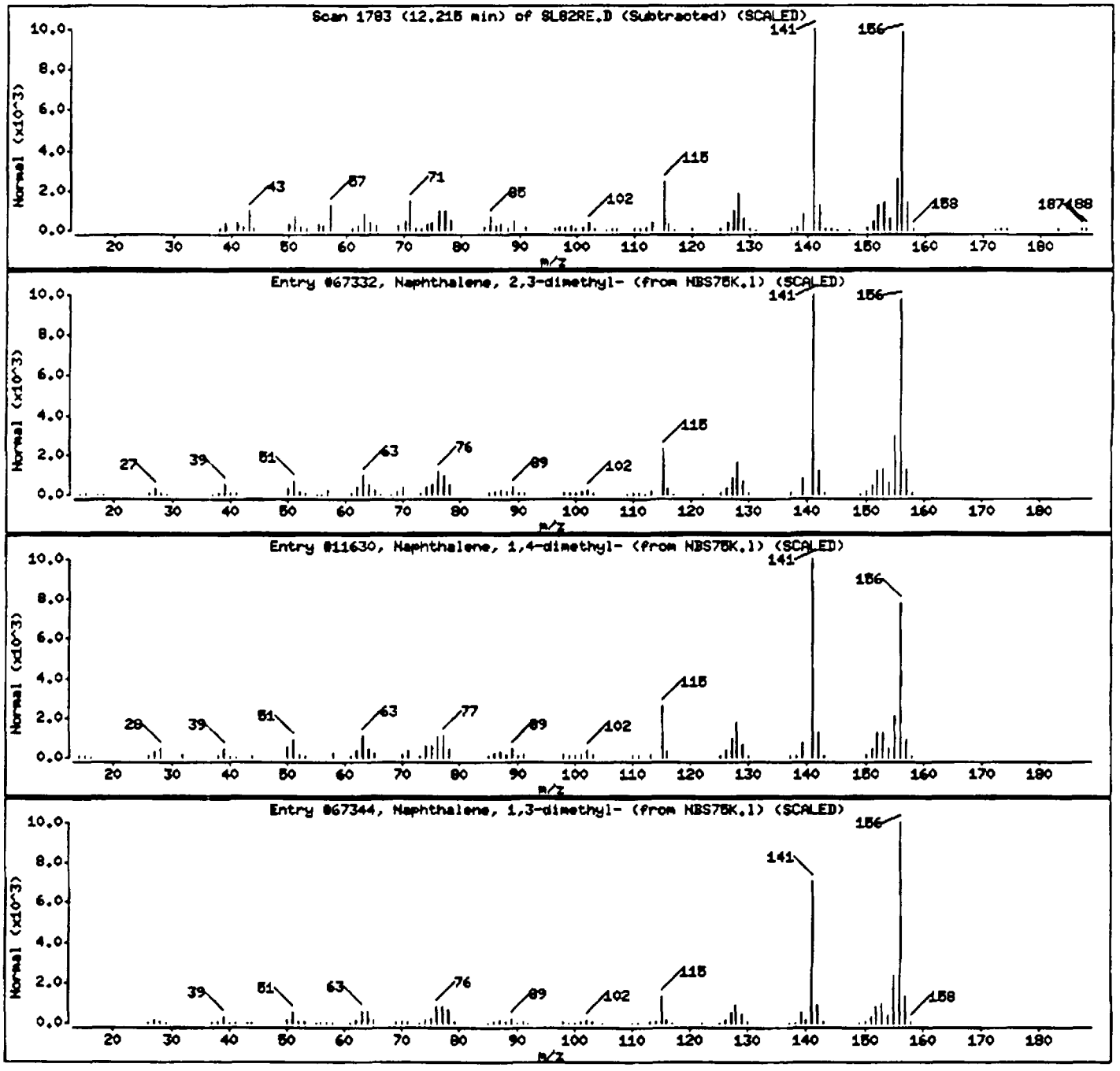
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67332	98	C12H12	156
Naphthalene, 1,4-dimethyl-	571-58-4	NBS75K.l	11630	98	C12H12	156
Naphthalene, 1,3-dimethyl-	575-41-7	NBS75K.l	67344	97	C12H12	156



Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90,sub

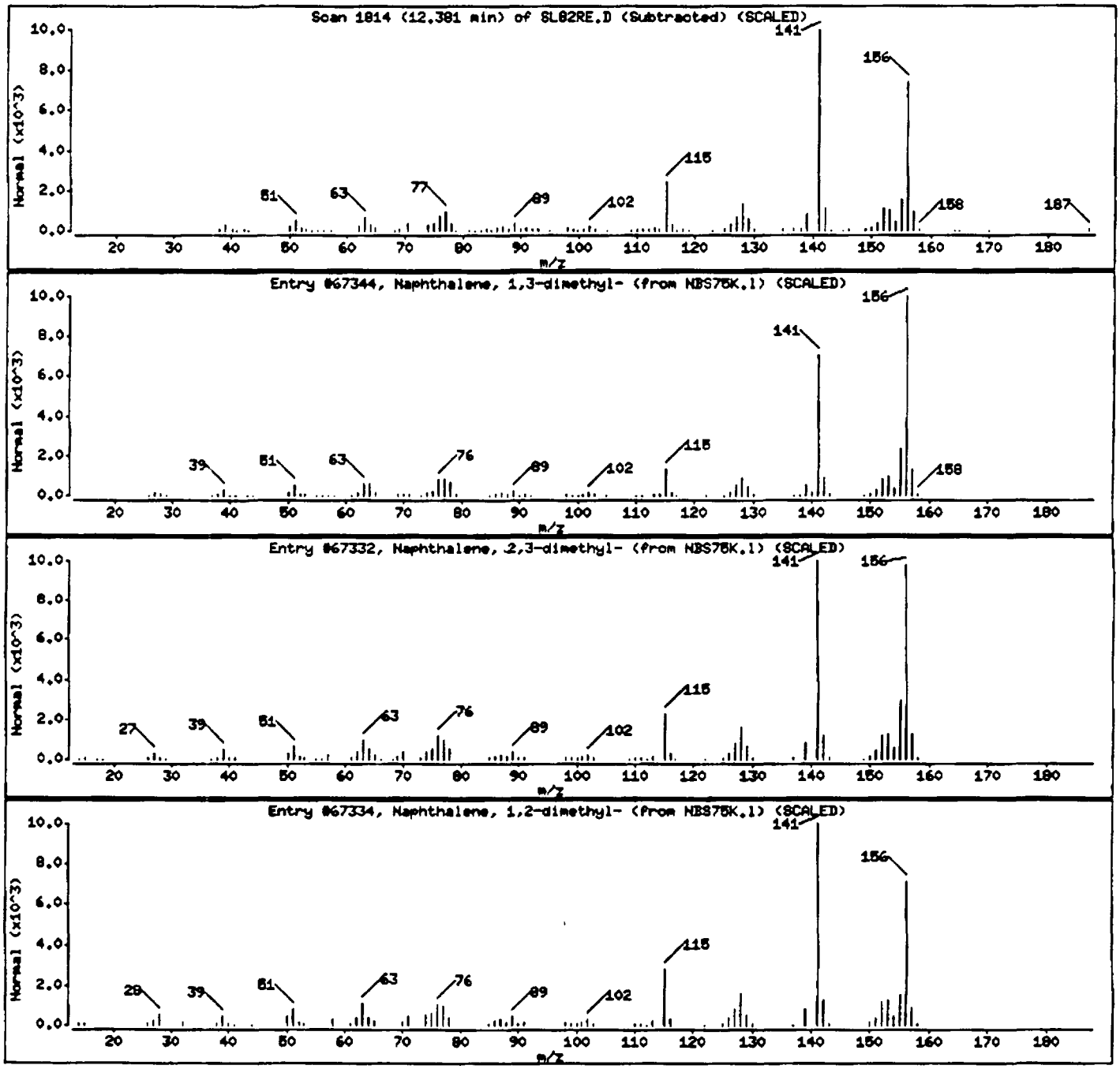
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,3-dimethyl-	575-41-7	NBS75K.l	67344	97	C12H12	156
Naphthalene, 2,3-dimethyl-	581-40-8	NBS75K.l	67332	97	C12H12	156
Naphthalene, 1,2-dimethyl-	573-98-8	NBS75K.l	67334	97	C12H12	156



Data File: \\qoanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,i-olp90.sub

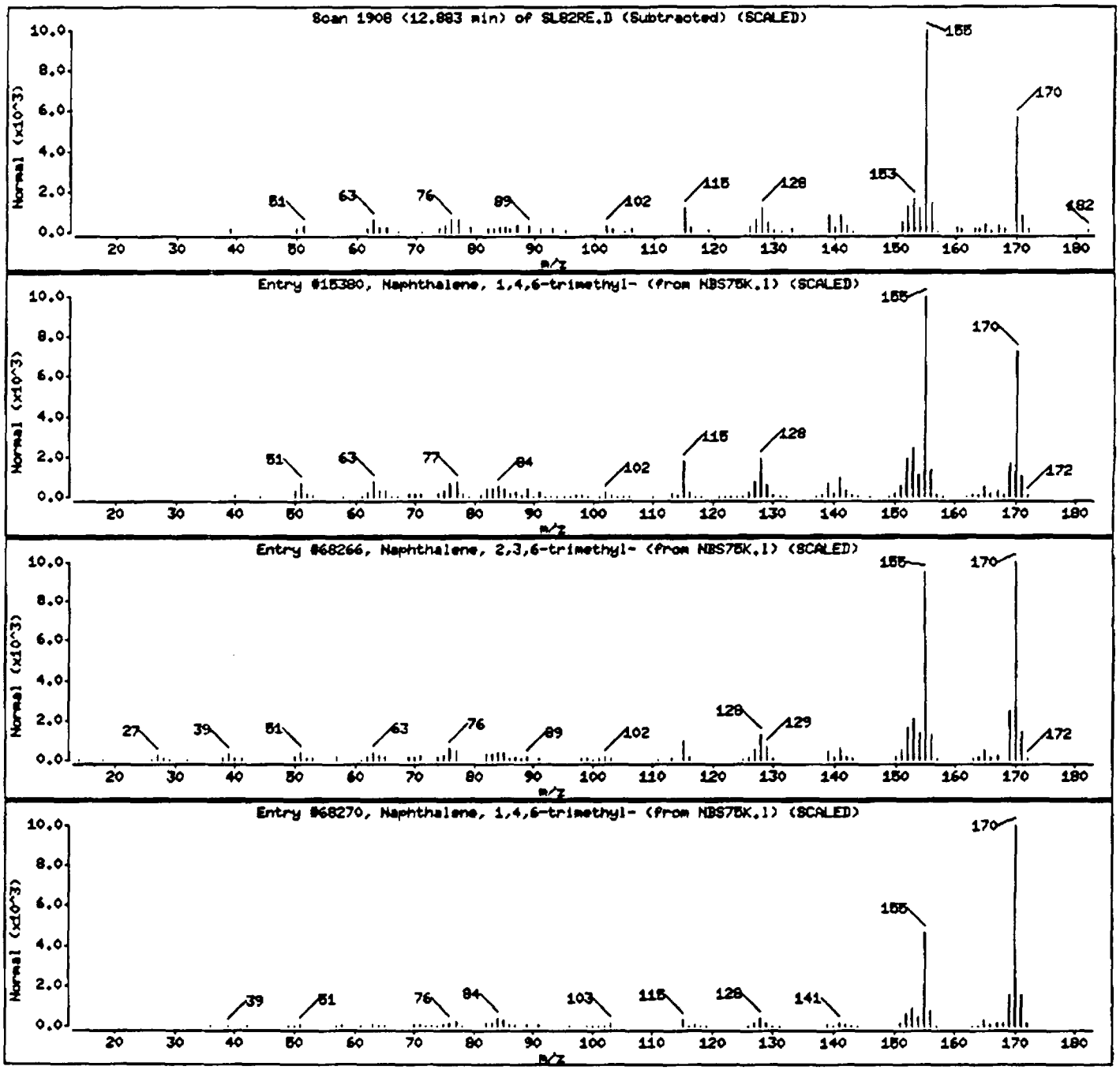
Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	96	C13H14	170
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	96	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	68270	96	C13H14	170



Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,olp31,1-olp90.sub

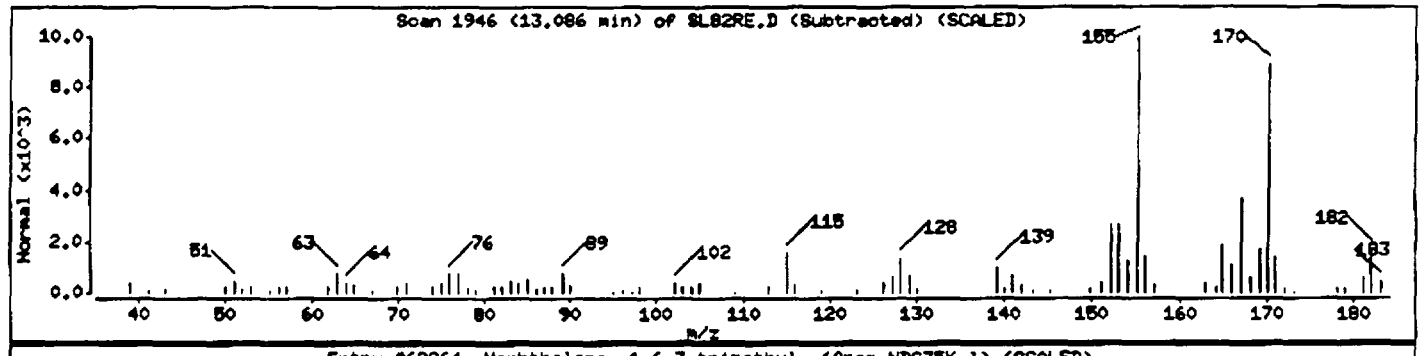
Volume Injected (uL): 2.0

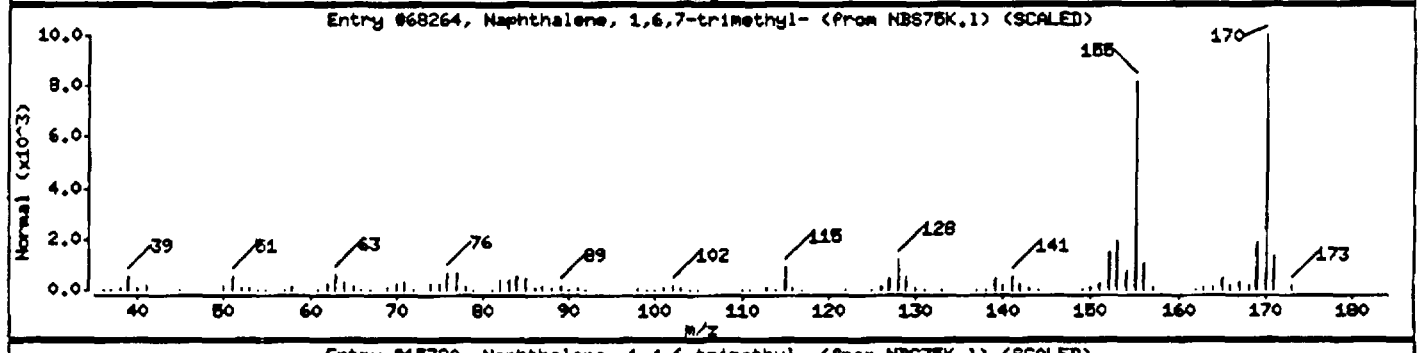
Operator: 001574

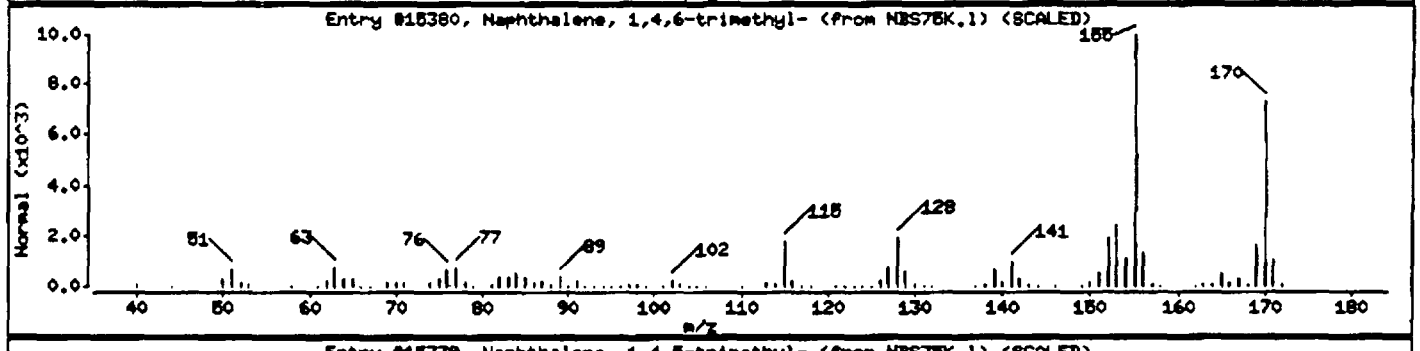
Column phase:

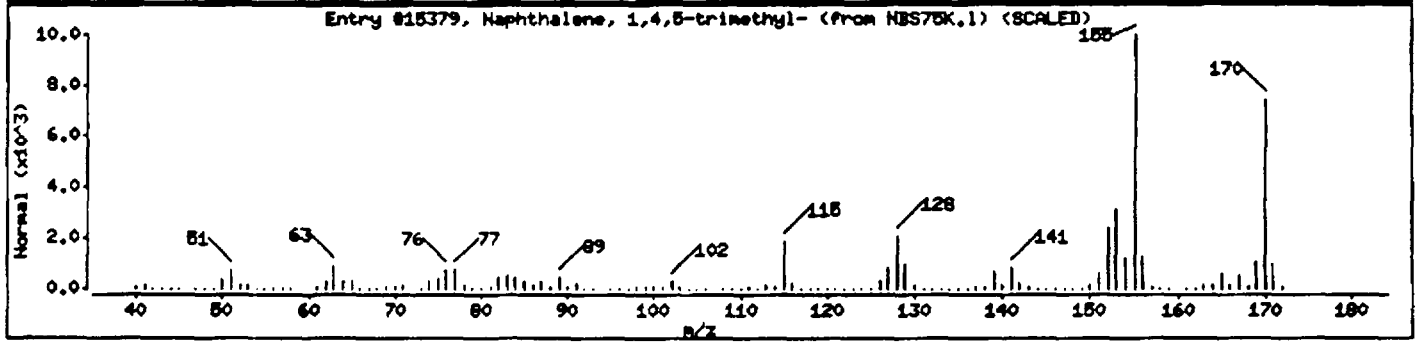
Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68264	96	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	94	C13H14	170
Naphthalene, 1,4,5-trimethyl-	2131-41-1	NBS75K.l	15379	94	C13H14	170









Data File: \\qcanoh05\dd\chem\HSS\a4hp9.i\01204a.b\SL82RE.D

Date : 04-DEC-2000 17:22

Client ID: SL-82-9.0'

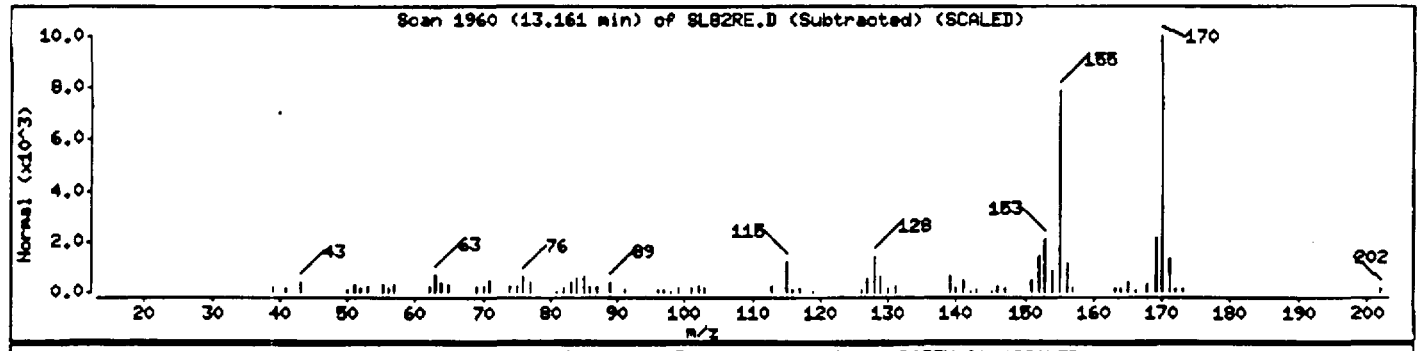
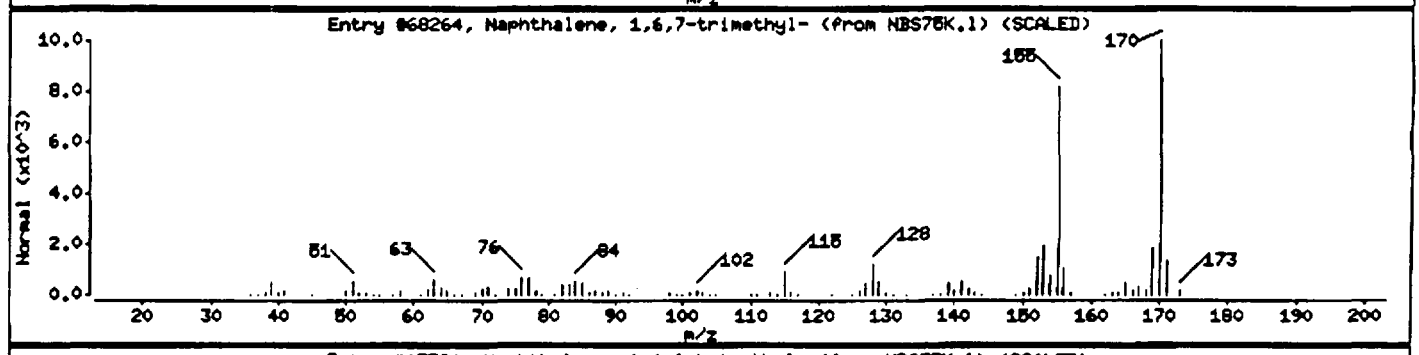
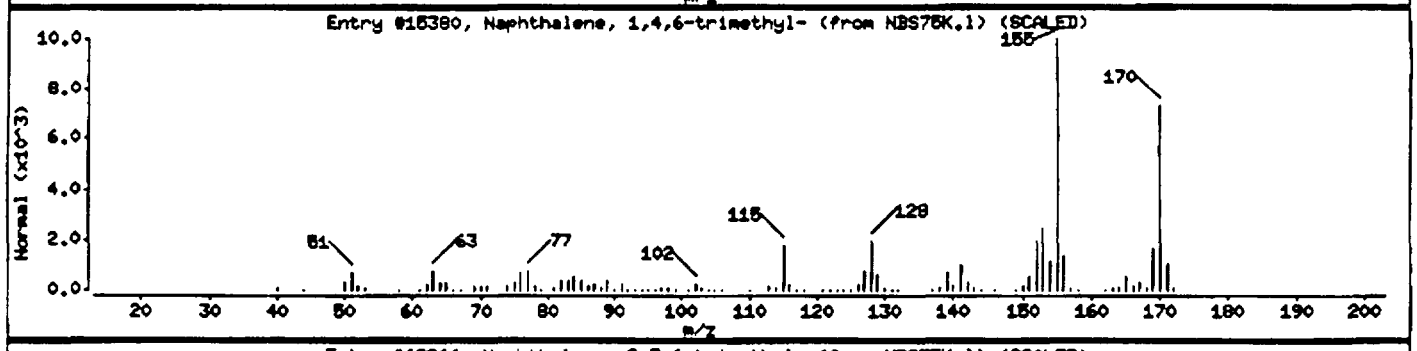
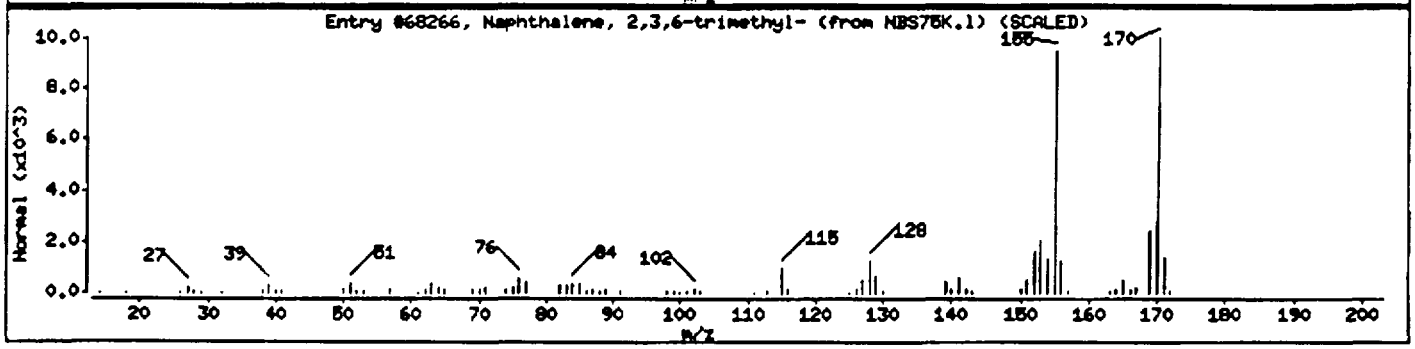
Instrument: a4hp9.i

Sample Info: dpjfj2ah,01204a.b,clp31,1-clp90.sub

Volume Injected (uL): 2.0

Operator: 001574

Column phase:

Column diameter: 2.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NBS75K.l	68264	98	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NBS75K.l	15380	97	C13H14	170
Naphthalene, 2,3,6-trimethyl-	829-26-5	NBS75K.l	68266	96	C13H14	170