CIBA RID 001194323

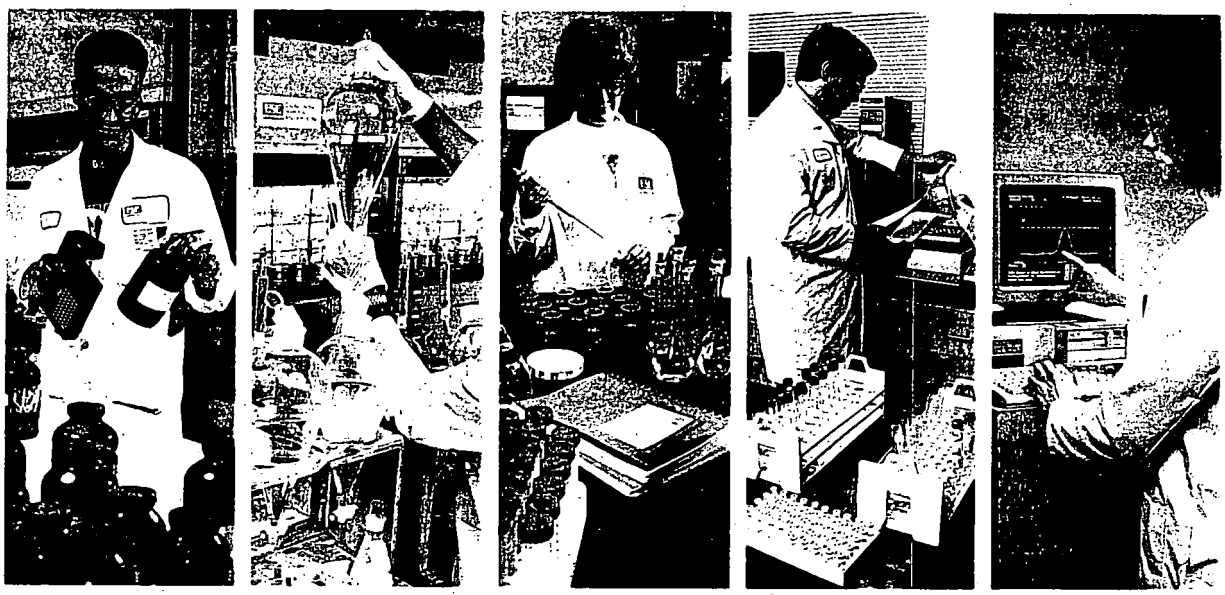
SEMS DocID 657736

ANALYTICAL DATA REPORT

submitted to

TECHLAW

SDG TL.4



May 26, 1998

QST

Gainesville, Florida Laboratory

RESULTS OF ANALYSIS

Techlaw Project #
02510-0052
CIBA

Prepared for:
TECHLAW
122 East 42nd Street
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Prepared by:
QST Environmental Inc.
404 SW 140th Terrace
Newberry, Florida 32669-3000
(352) 332-3318

May 26, 1998

QST Lab Project No. 1298524 0201

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Case Narrative

QST ENVIRONMENTAL

CASE NARRATIVE - SDG TL.4

Twenty water samples were collected on April 27 and 28, 1998. All samples were received at QST Environmental on April 28 and 29, 1998 at 4 and 5 degrees Centigrade. All samples were analyzed as requested in the traffic forms. All samples were extracted and analyzed within EPA holding time.

TECHLAW

Analysis	Lab Batch
VOCs (8260)	G90595
VOCs (8260)	G90413

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness except as detailed in this case narrative.

May 26, 1998

QST ENVIRONMENTAL

Suzanne P. Woodward
Chemistry Project Manager

P.O. Box 1703, Gainesville, FL 32602-1703, Phone 352•332•3318, FAX 352•333•6622
A CILCORP COMPANY
Formerly Environmental Science & Engineering, Inc.

Sample History Report

Lab Sample Cross Reference and Date Report

Client ID	Lab ID	Method	Collect Date	Receipt Date	Extract Date	HT Days	Analysis Date	HT Days	Batch
MW-02S	TLCEDW1*1	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
P-02D	TLCEDW1*2	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
P-35S	TLCEDW1*3	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
SW-120	TLCEDW1*4	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
P-36S	TLCEDW1*5	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
RB-1	TLCEDW1*6	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
P-34S	TLCEDW1*7	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
SW-130	TLCEDW1*8	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
P-37S	TLCEDW1*9	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
SW-110	TLCEDW1*10	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
MW-1S	TLCEDW1*11	VOCs(8260)	04/27/98	04/28/98	NA	NA	05/04/98	14(7)	G90595
TB-01	TLCEDW1*12	VOCs(8260)	04/27/98	04/28/98	NA	NA	04/30/98	14(3)	G90413
TB-02	TLCEDW1*13	VOCs(8260)	04/28/98	04/29/98	NA	NA	04/30/98	14(2)	G90413
P-38S	TLCEDW1*14	VOCs(8260)	04/28/98	04/29/98	NA	NA	05/06/98	14(8)	G90595
MW-13S	TLCEDW1*15	VOCs(8260)	04/28/98	04/29/98	NA	NA	05/06/98	14(8)	G90595
MW-12S	TLCEDW1*16	VOCs(8260)	04/28/98	04/29/98	NA	NA	05/06/98	14(8)	G90595
MW-4S	TLCEDW1*17	VOCs(8260)	04/28/98	04/29/98	NA	NA	05/05/98	14(7)	G90595
MW-4SD	TLCEDW1*18	VOCs(8260)	04/28/98	04/29/98	NA	NA	05/05/98	14(7)	G90595
MW-14S	TLCEDW1*19	VOCs(8260)	04/28/98	04/29/98	NA	NA	05/05/98	14(7)	G90595
MW-21S	TLCEDW1*20	VOCs(8260)	04/28/98	04/29/98	NA	NA	05/06/98	14(8)	G90595

Actual days in parentheses

G90595: VOCs

PROBLEM:

Standard matrix spike not within acceptance criteria:

34311*8260-G
34475*8260-G
77103*8260-G
81551*8260-G
77128*8260-G

EXPLANATION:

These LCS compounds were slightly out of criteria. Recovery ranges are still being established.

PROBLEM:

Sample matrix spike not within acceptance criteria:

34301*8260-G

EXPLANATION:

This MS/MSD compound is out of criteria due to the presence of high amounts in the sample.

PROBLEM:

Sample matrix spike duplicate not within acceptance criteria:

34301*8260-G

EXPLANATION:

See above.

PROBLEM:

Surrogate not within acceptance criteria:

95377*SUR
95378*SUR

EXPLANATION:

Surrogate out on one sample. This sample was re-analyzed at a dilution. However, the neat run was reported.

G90413: VOCs

GENERAL COMMENTS:/

C2H5CL,CS2,STYR were slightly out on SP1. These compounds were not reported as hits on any samples. GGL 05/11/98

PROBLEM:

Standard matrix spike not within acceptance criteria:

34311*8260-G
77041*8260-G
77128*8260-G

EXPLANATION:

Chains of Custody (copies)

QST ENVIRONMENTAL

404 SW 140th Terrace, Newberry, FL 32669
Telephone: (352) 332-3318 – Fax: (352) 332-0507

FOR LAB USE ONLY

Project Number: _____

02479

Chain of Custody Record

Client: TRC Environmental Corp
Address: Booth Mills
Foot of John St
Lowell, MA 01852
Phone #: (978) 970 - 5600 Fax #: (978) 453 - 1995
P.O. #:
Client Contact: Joanna Hull
Project # / Location: 02510-0052 / CIBA

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Tissue
Other :

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative:
1. None
2. H2SO4
3. HNO3
4. NaOH
5. HCl

Analyses: VOC (8260); pH; Specific Conductivity; Temperature; Comments: List = TLVW.1

Sample I.D. (10 Characters ONLY)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	Lab I.D.	VOC (8260)	pH	Specific Conductivity	Temperature	Comments
MW-02S	1	40 ml	G VOC	2x	4/27/98	1000	5	TLCEDW1#1	✓				
P-02D	1	40 ml	G VOC	2x	4/27/98	1045	5	#2	✓				
P-35S	1	40 ml	G VOC	2x	4/27/98	1115	5	#3	✓				
SW-120	1	40 ml	G VOC	2x	4/27/98	1145	5	#4	✓				
P-36S	1	40 ml	G VOC	6x	4/27/98	1215	5	#5	✓				MS/MSD
RB-1	1	40 ml	G VOC	2x	4/27/98	1210	5	#6	✓				equip. Rinsate blank
P-34S	1	40 ml	G VOC	2x	4/27/98	1345	5	#7	✓				
SW-130	1	40 ml	G VOC	2x	4/27/98	1430	5	#8	✓				
P-37S	1	40 ml	G VOC	2x	4/27/98	1530	5 pm	#9	✓				
SW-110	1	40 ml	G VOC	2x	4/27/98	1540	~~2~~ 5	#10	✓				
MW-1S	1	40 ml	G VOC	2x	4/27/98	1555	5	#11	✓				
TB-01	1	Supplied by lab						#12	✓				Trip blank

Relinquished By:	Date: 04 -- 27 -- 98 Time: 19 : 00	Received By: Rec'd by Air bill # 5507687555	Date: -- -- Time: :
Relinquished By:	Date: -- -- Time: :	Received For Lab By: QST	Date: 4/-28-98 Time: 12 : 00

FOR LAB USE ONLY
Samples Received Chilled
☐ Yes ☐ No
5-0 °C

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler

BH 4-29-98 17:12

9006

QST COOLER RECEIPT FORM

THIS FORM IS TO BE EXECUTED BY THE QST SAMPLE RECEIPT CUSTODIAN WHEN PROCESSING SHIPPING CONTAINERS. ANY *No IS TO BE DESCRIBED IN *DETAILS/COMMENTS. IMMEDIATE DOCUMENTATION OF PROBLEMS TO THE ANALYTICAL PROJECT MANAGER WILL FACILITATE COMMUNICATION WITH THE CLIENT TO RESOLVE ANY PROBLEMS. REFER TO ACTUAL CHAIN-OF-CUSTODY AND AIRBILL (IF APPLICABLE) FOR ADDITIONAL SAMPLE DOCUMENTATION.

Project: TRC ENV-Techlaw Shipping Container # (QST / Other):
Received (mm/dd/yr/hr): 4-28-98 1200 By: [signature]
Opened (if different) : 4-29-98 1200 By: [signature]

Preliminary Examination Checklist

Did the shipping container arrive with an airbill/shipping slip? . . . . . No Yes
If applicable, carrier name & airbill #: FedEx 5507687555

Were custody seals on the outside of the container? . . . . . *No Yes
If Yes, a: were custody seals intact upon arrival? . . . . . *No Yes
b: enter Seal Date and Name (or enter "NA" if not available): NA

When the container was scanned for radioactivity, were readings within criteria? . . . *No Yes

Was Chain of Custody (COC) documentation provided with the shipment? . . . . . *No Yes
If Yes, a: was COC fully executed by the shipper (in ink)? . . . . . *No Yes
b: did you sign the COC in the appropriate field? . . . . . *No Yes
c: was the project identifiable from the COC? . . . . . *No Yes
If No, how was this determined?

Were samples received within criteria of 2-6° C? . . . . . *No Yes

Sample Examination & Check-In Checklist Sample Temperature 5 °C

Were samples packaged in conformance to generally accepted practices? . . . . . *No Yes

Did all sample containers arrive intact and sealed? . . . . . *No Yes
Did all sample containers have secure and completed labels? . . . . . *No Yes
If sample containers possessed tags, circle: Tags only Tags + Labels
Were individual bottles/vials sealed with custody tape or seals? . . . . . *No Yes
Did all labels and/or tags agree with COC? . . . . . *No Yes
Did volumes, containers, & preservations seem appropriate to indicated tests? . . . . . *No Yes

Did pH checks of all preserved water samples confirm indicated preservations? . . . . *No Yes N/A
(If not document sample ID, fraction and pH below)
Were any containers for cyanide analysis (B fractions) not basified (pH>7)? . . . . . *No Yes N/A
If Yes, did they pass the lead acetate test indicating no sulfides present . . . . *No Yes N/A
Were VOA vials (waters) free from bubbles? . . . . . *No Yes N/A

Was this checklist free from deficiencies requiring notification of the Lab Project Manager?
If No, note who was contacted & when in Details/Comments below) . . . . . *No Yes

Was a Multiple Cooler Supplement form used for this shipment? . . . . . No Yes

***Details/Comments:**(note sample numbers) Samples held in sample receiving cold room overnight until S. Gomez set up.

Source: QST, September 1997 f:\admin\common\forms\1213\crf9.97

QST ENVIRONMENTAL

404 SW 140th Terrace, Newberry, FL 32669
Telephone: (352) 332-3318 – Fax: (352) 332-0507

FOR LAB USE ONLY

02480

Project Number: _____

Chain of Custody Record

Client: TRC ENVIRONMENTAL CORP
Address: BOOTT MILLS South
FOOT of John St
LOWELL, MA 01852
Phone #: (978) 970-5600 Fax #: (978) 453 1995
P.O. #:
Client Contact: JOANNA Hall
Project # / Location: 02510-0052 CIBA

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Tissue
Other : _____

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative:
1. None
2. H2SO4
3. HNO3
4. NaOH
5. HCl

Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	TLCEDW2 Lab I.D.	VOC (8260)	pH	Specific Conductivity	Temperature	Comments
TB-02	1	40 ml	G	2x	4/28/98	0745	5	*13	✓				
P-38S	1	40 ml	G	2x		0835	5	*14	✓				
MW-13S	1	40 ml	G	2x		0910	5	*15	✓				
MW-12S	1	40 ml	G	2x		0945	5	*16	✓				
MW-4S	1	40 ml	G	2x		1050	5	*17	✓				
MW-4SD	1	40 ml	G	2x		1130	5	*18	✓				
MW-14S	1	40 ml	G	2x		1115	5	*19	✓				Expect High Conc.
MW-21S	1	40 ml	G	2x		1315	5	*20	✓				

List TLV Wol

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Todd D. Mayer	4-28-98	18:30	Fed Ex 905685385930	--	:
Relinquished By:	Date: --	Time: :	Received For Lab By: [signature] QST	4-29-98	12:00

FOR LAB USE ONLY
Samples Received Chilled
☑ Yes ☐ No
4 °C

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler

8008

ESH 4-29-98 17:15

QST COOLER RECEIPT FORM

THIS FORM IS TO BE EXECUTED BY THE QST SAMPLE RECEIPT CUSTODIAN WHEN PROCESSING SHIPPING CONTAINERS. ANY *No IS TO BE DESCRIBED IN *DETAILS/COMMENTS*. IMMEDIATE DOCUMENTATION OF PROBLEMS TO THE ANALYTICAL PROJECT MANAGER WILL FACILITATE COMMUNICATION WITH THE CLIENT TO RESOLVE ANY PROBLEMS. REFER TO ACTUAL CHAIN-OF-CUSTODY AND AIRBILL (IF APPLICABLE) FOR ADDITIONAL SAMPLE DOCUMENTATION.

Project: TRC-Tech Law Shipping Container # (QST / Other): 0724
Received (mm/dd/yr/hr): 4-29-98 1200 By: [illegible]
Opened (if different) : By:

Preliminary Examination Checklist

Did the shipping container arrive with an airbill/shipping slip? . . . . . No Yes
If applicable, carrier name & airbill #: FedEx 805685385430

Were custody seals on the outside of the container? . . . . . *No Yes
If Yes, a: were custody seals intact upon arrival? . . . . . *No Yes
b: enter Seal Date and Name (or enter "NA" if not available): NA

When the container was scanned for radioactivity, were readings within criteria? . . . *No Yes

Was Chain of Custody (COC) documentation provided with the shipment? . . . . . *No Yes
If Yes, a: was COC fully executed by the shipper (in ink)? . . . . . *No Yes
b: did you sign the COC in the appropriate field? . . . . . *No Yes
c: was the project identifiable from the COC? . . . . . *No Yes
If No, how was this determined?

Were samples received within criteria of 2-6° C? . . . . . *No Yes

Sample Examination & Check-In Checklist Sample Temperature 4 °C

Were samples packaged in conformance to generally accepted practices? . . . . . *No Yes

Did all sample containers arrive intact and sealed? . . . . . *No Yes
Did all sample containers have secure and completed labels? . . . . . *No Yes
If sample containers possessed tags, circle: Tags only Tags + Labels
Were individual bottles/vials sealed with custody tape or seals? . . . . . *No Yes
Did all labels and/or tags agree with COC? . . . . . *No Yes
Did volumes, containers, & preservations seem appropriate to indicated tests? . . . . . *No Yes

Did pH checks of all preserved water samples confirm indicated preservations? . . . . *No Yes N/A
(If not document sample ID, fraction and pH below)
Were any containers for cyanide analysis (B fractions) not basified (pH > 7)? . . . . . *No Yes N/A
If Yes, did they pass the lead acetate test indicating no sulfides present . . . . *No Yes N/A
Were VOA vials (waters) free from bubbles? . . . . . *No Yes N/A

Was this checklist free from deficiencies requiring notification of the Lab Project Manager?
If No, note who was contacted & when in Details/Comments below) . . . . . *No Yes

Was a Multiple Cooler Supplement form used for this shipment? . . . . . No Yes

***Details/Comments:**(note sample numbers)

Source: QST, September 1997 f:\admin\common\forms\1213\crf9.97

Results of Analysis

PROJECT NUMBER 1298524 0201 PROJECT NAME TECH LAW-CAMP EDWARDS
FIELD GROUP TLCEDW1 LAB COORDINATOR SUZANNE WOODWARD

CLIENT SAMPLE ID'S:			MW-02S	P-02D	P-35S	SW-120	P-36S	RB-1	P-34S
QST FIELD GROUP:			TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1
QST SEQUENCE #:			1	2	3	4	5	6	7
DATE COLLECTED:			04/27/98	04/27/98	04/27/98	04/27/98	04/27/98	04/27/98	04/27/98
TIME COLLECTED:			10:00	10:45	11:15	11:45	12:15	12:10	13:45
PARAMETERS	UNITS	METHOD							
ACETONE	UG/L	EPA 8260	16	<9.0	<9.0	<9.0	<9.0	<9.0	<9.0
BENZENE	UG/L	EPA 8260	13	<1.0	5.1	<1.0	2.9	<1.0	7.9
BROMODICHLOROMETHANE	UG/L	EPA 8260	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
BROMOFORM	UG/L	EPA 8260	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
BROMOMETHANE	UG/L	EPA 8260	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
CARBON DISULFIDE	UG/L	EPA 8260	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
CARBON TETRACHLORIDE	UG/L	EPA 8260	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
CHLOROBENZENE	UG/L	EPA 8260	2000	1.9	730	79	410	<1.4	690
CHLOROETHANE	UG/L	EPA 8260	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2
CHLOROFORM	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
CHLOROMETHANE	UG/L	EPA 8260	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
DIBROMOCHLOROMETHANE	UG/L	EPA 8260	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
1,1-DICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-DICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-DICHLOROETHYLENE	UG/L	EPA 8260	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
CIS-1,2-DICHLOROETHENE	UG/L	EPA 8260	2400	<2.4	11	<2.4	<2.4	<2.4	<2.4
TRANS-1,2-DICHLOROETHENE	UG/L	EPA 8260	17	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
1,2-DICHLOROPROPANE	UG/L	EPA 8260	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
CIS-1,3-DICHLOROPROPENE	UG/L	EPA 8260	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
TRANS-1,3-DICHLOROPROPENE	UG/L	EPA 8260	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
ETHYLBENZENE	UG/L	EPA 8260	9.3	<1.3	5.8	<1.3	<1.3	<1.3	3.6
2-HEXANONE (MBK)	UG/L	EPA 8260	<21	<21	<21	<21	<21	<21	<21
METHYLENE CHLORIDE	UG/L	EPA 8260	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
METHYL ETHYL KETONE (MEK)	UG/L	EPA 8260	<10	<10	<10	<10	<10	<10	<10
METHYL ISOBUTYL KETONE	UG/L	EPA 8260	<12	<12	<12	<12	<12	<12	<12
STYRENE	UG/L	EPA 8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-TETRACHLOROETHANE	UG/L	EPA 8260	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
TETRACHLOROETHENE	UG/L	EPA 8260	8.3	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
TOLUENE	UG/L	EPA 8260	86	<1.7	2.7	<1.7	<1.7	<1.7	120
1,1,1-TRICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

PROJECT NUMBER 1298524 0201 PROJECT NAME TECH LAW-CAMP EDWARDS
FIELD GROUP TLCEDW1 LAB COORDINATOR SUZANNE WOODWARD

CLIENT SAMPLE ID'S:			MW-02S	P-02D	P-35S	SW-120	P-36S	RB-1	P-34S
QST FIELD GROUP:			TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1
QST SEQUENCE #:			1	2	3	4	5	6	7
DATE COLLECTED:			04/27/98	04/27/98	04/27/98	04/27/98	04/27/98	04/27/98	04/27/98
TIME COLLECTED:			10:00	10:45	11:15	11:45	12:15	12:10	13:45
PARAMETERS	UNITS	METHOD							
1,1,2-TRICHLOROETHANE	UG/L	EPA 8260	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
TRICHLOROETHENE	UG/L	EPA 8260	12	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
VINYL CHLORIDE	UG/L	EPA 8260	64	<4.6	5.2	<4.6	<4.6	<4.6	<4.6
VINYL ACETATE	UG/L	EPA 8260	<10	<10	<10	<10	<10	<10	<10
XYLENES,TOTAL	UG/L	EPA 8260	22	<3.7	11	<3.7	<3.7	<3.7	9.4

CLIENT SAMPLE ID'S:			SW-130	P-37S	SW-110	MW-1S	TB-01	TB-02	P-38S
QST FIELD GROUP:			TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1
QST SEQUENCE #:			8	9	10	11	12	13	14
DATE COLLECTED:			04/27/98	04/27/98	04/27/98	04/27/98	04/27/98	04/28/98	04/28/98
TIME COLLECTED:			14:30	15:30	15:40	15:55		07:45	08:35
PARAMETERS	UNITS	METHOD							
ACETONE	UG/L	EPA 8260	<9.0	<9.0	<9.0	35	<9.0	<9.0	<9.0
BENZENE	UG/L	EPA 8260	<1.0	9.0	28	3.3	<1.0	<1.0	<1.0
BROMODICHLOROMETHANE	UG/L	EPA 8260	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
BROMOFORM	UG/L	EPA 8260	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
BROMOMETHANE	UG/L	EPA 8260	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
CARBON DISULFIDE	UG/L	EPA 8260	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
CARBON TETRACHLORIDE	UG/L	EPA 8260	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
CHLOROBENZENE	UG/L	EPA 8260	17	790	1300	3800	<1.4	<1.4	<1.4
CHLOROETHANE	UG/L	EPA 8260	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2	<8.2
CHLOROFORM	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
CHLOROMETHANE	UG/L	EPA 8260	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
DIBROMOCHLOROMETHANE	UG/L	EPA 8260	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
1,1-DICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-DICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-DICHLOROETHYLENE	UG/L	EPA 8260	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
CIS-1,2-DICHLOROETHENE	UG/L	EPA 8260	<2.4	<2.4	3.4	<2.4	<2.4	<2.4	<2.4
TRANS-1,2-DICHLOROETHENE	UG/L	EPA 8260	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
1,2-DICHLOROPROPANE	UG/L	EPA 8260	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
CIS-1,3-DICHLOROPROPENE	UG/L	EPA 8260	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
TRANS-1,3-DICHLOROPROPENE	UG/L	EPA 8260	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
ETHYLBENZENE	UG/L	EPA 8260	<1.3	<1.3	2.3	4.1	<1.3	<1.3	<1.3
2-HEXANONE (MBK)	UG/L	EPA 8260	<21	<21	<21	<21	<21	<21	<21
METHYLENE CHLORIDE	UG/L	EPA 8260	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
METHYL ETHYL KETONE (MEK)	UG/L	EPA 8260	<10	<10	<10	<10	<10	<10	<10
METHYL ISOBUTYL KETONE	UG/L	EPA 8260	<12	<12	<12	<12	<12	<12	<12
STYRENE	UG/L	EPA 8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-TETRACHLOROETHANE	UG/L	EPA 8260	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
TETRACHLOROETHENE	UG/L	EPA 8260	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
TOLUENE	UG/L	EPA 8260	<1.7	<1.7	250	1.9	<1.7	<1.7	<1.7
1,1,1-TRICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

PROJECT NUMBER 1298524 0201 PROJECT NAME TECH LAW-CAMP EDWARDS
FIELD GROUP TLCEDW1 LAB COORDINATOR SUZANNE WOODWARD

CLIENT SAMPLE ID'S:			SW-130	P-37S	SW-110	MW-1S	TB-01	TB-02	P-38S
QST FIELD GROUP:			TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1
QST SEQUENCE #:			8	9	10	11	12	13	14
DATE COLLECTED:			04/27/98	04/27/98	04/27/98	04/27/98	04/27/98	04/28/98	04/28/98
TIME COLLECTED:			14:30	15:30	15:40	15:55		07:45	08:35
PARAMETERS	UNITS	METHOD							
1,1,2-TRICHLOROETHANE	UG/L	EPA 8260	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8
TRICHLOROETHENE	UG/L	EPA 8260	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
VINYL CHLORIDE	UG/L	EPA 8260	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6
VINYL ACETATE	UG/L	EPA 8260	<10	<10	<10	<10	<10	<10	<10
XYLENES,TOTAL	UG/L	EPA 8260	<3.7	<3.7	6.4	<3.7	<3.7	<3.7	<3.7

PROJECT NUMBER 1298524 0201 PROJECT NAME TECH LAW-CAMP EDWARDS
FIELD GROUP TLCEDW1 LAB COORDINATOR SUZANNE WOODWARD

CLIENT SAMPLE ID'S:			MW-13S	MW-12S	MW-4S	MW-4SD	MW-14S	MW-21S
QST FIELD GROUP:			TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1
QST SEQUENCE #:			15	16	17	18	19	20
DATE COLLECTED:			04/28/98	04/28/98	04/28/98	04/28/98	04/28/98	04/28/98
TIME COLLECTED:			09:10	09:45	10:50	11:30	11:15	13:15
PARAMETERS	UNITS	METHOD						
ACETONE	UG/L	EPA 8260	<9.0	<9.0	<45	<45	<900	<9.0
BENZENE	UG/L	EPA 8260	<1.0	<1.0	<5.0	<5.0	<100	<1.0
BROMODICHLOROMETHANE	UG/L	EPA 8260	<2.2	<2.2	<11	<11	<220	<2.2
BROMOFORM	UG/L	EPA 8260	<2.6	<2.6	<13	<13	<260	<2.6
BROMOMETHANE	UG/L	EPA 8260	<3.5	<3.5	<18	<18	<350	<3.5
CARBON DISULFIDE	UG/L	EPA 8260	<4.4	<4.4	<22	<22	<440	<4.4
CARBON TETRACHLORIDE	UG/L	EPA 8260	<2.6	<2.6	<13	<13	<260	<2.6
CHLOROBENZENE	UG/L	EPA 8260	1.9	<1.4	210	150	<140	<1.4
CHLOROETHANE	UG/L	EPA 8260	<8.2	<8.2	<41	<41	<820	<8.2
CHLOROFORM	UG/L	EPA 8260	<2.5	<2.5	<13	<13	<250	<2.5
CHLOROMETHANE	UG/L	EPA 8260	<4.4	<4.4	<22	<22	<440	<4.4
DIBROMOCHLOROMETHANE	UG/L	EPA 8260	<2.3	<2.3	<12	<12	<230	<2.3
1,1-DICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<13	<13	<250	<2.5
1,2-DICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<13	<13	<250	<2.5
1,1-DICHLOROETHYLENE	UG/L	EPA 8260	<3.2	<3.2	<16	<16	<320	<3.2
CIS-1,2-DICHLOROETHENE	UG/L	EPA 8260	<2.4	<2.4	25	<12	<240	<2.4
TRANS-1,2-DICHLOROETHENE	UG/L	EPA 8260	<2.4	<2.4	<12	<12	<240	<2.4
1,2-DICHLOROPROPANE	UG/L	EPA 8260	<2.0	<2.0	<10	<10	<200	<2.0
CIS-1,3-DICHLOROPROPENE	UG/L	EPA 8260	<2.0	<2.0	<10	<10	<200	<2.0
TRANS-1,3-DICHLOROPROPENE	UG/L	EPA 8260	<1.6	<1.6	<8.0	<8.0	<160	<1.6
ETHYLBENZENE	UG/L	EPA 8260	<1.3	61	33	41	1600	<1.3
2-HEXANONE (MBK)	UG/L	EPA 8260	<21	<21	<110	<110	<2100	<21
METHYLENE CHLORIDE	UG/L	EPA 8260	<6.4	<6.4	<32	<32	<640	<6.4
METHYL ETHYL KETONE (MEK)	UG/L	EPA 8260	<10	<10	<50	<50	<1000	<10
METHYL ISOBUTYL KETONE	UG/L	EPA 8260	<12	<12	<60	<60	<1200	<12
STYRENE	UG/L	EPA 8260	<0.50	<0.50	<2.5	<2.5	<50	<0.50
1,1,2,2-TETRACHLOROETHANE	UG/L	EPA 8260	<1.5	<1.5	<7.5	<7.5	<150	<1.5
TETRACHLOROETHENE	UG/L	EPA 8260	<1.9	<1.9	<9.5	<9.5	<190	<1.9
TOLUENE	UG/L	EPA 8260	<1.7	<1.7	1500	2100	230000	<1.7
1,1,1-TRICHLOROETHANE	UG/L	EPA 8260	<2.5	<2.5	<13	<13	<250	<2.5

PROJECT NUMBER 1298524 0201 PROJECT NAME TECH LAW-CAMP EDWARDS
FIELD GROUP TLCEDW1 LAB COORDINATOR SUZANNE WOODWARD

CLIENT SAMPLE ID'S:			MW-13S	MW-12S	MW-4S	MW-4SD	MW-14S	MW-21S
QST FIELD GROUP:			TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1	TLCEDW1
QST SEQUENCE #:			15	16	17	18	19	20
DATE COLLECTED:			04/28/98	04/28/98	04/28/98	04/28/98	04/28/98	04/28/98
TIME COLLECTED:			09:10	09:45	10:50	11:30	11:15	13:15
PARAMETERS	UNITS	METHOD						
1,1,2-TRICHLOROETHANE	UG/L	EPA 8260	<2.8	<2.8	<14	<14	<280	<2.8
TRICHLOROETHENE	UG/L	EPA 8260	<3.0	<3.0	<15	<15	<300	<3.0
VINYL CHLORIDE	UG/L	EPA 8260	<4.6	<4.6	<23	<23	<460	<4.6
VINYL ACETATE	UG/L	EPA 8260	<10	<10	<50	<50	<1000	<10
XYLENES,TOTAL	UG/L	EPA 8260	<3.7	120	120	150	7300	<3.7

VOCs - Batch G90595

COVER PAGE

Lab Name: QST Project No.1298524 SDG No: G90595 Matrix: WATER

Analysis: G90595 = EPA 8260

Client ID	Laboratory ID	Batch	Date Collected	Date Received	Analysis Date	Time
SP1	SP1*NONE*1	G90595	00/00/00	00/00/00	05/04/98	1303
P-36S	TLCEDW1*5	G90595	04/27/98	04/28/98	05/04/98	1407
P-36SMS	SPM1*TLCEDW1*5	G90595	04/27/98	04/28/98	05/04/98	1437
P-36SMSD	SPM2*TLCEDW1*5	G90595	04/27/98	04/28/98	05/04/98	1508
MW-02S	TLCEDW1*1	G90595	04/27/98	04/28/98	05/04/98	1538
P-02D	TLCEDW1*2	G90595	04/27/98	04/28/98	05/04/98	1609
P-35S	TLCEDW1*3	G90595	04/27/98	04/28/98	05/04/98	1639
SW-120	TLCEDW1*4	G90595	04/27/98	04/28/98	05/04/98	1710
RB-1	TLCEDW1*6	G90595	04/27/98	04/28/98	05/04/98	1740
P-34S	TLCEDW1*7	G90595	04/27/98	04/28/98	05/04/98	1811
SW-130	TLCEDW1*8	G90595	04/27/98	04/28/98	05/04/98	1841
P-37S	TLCEDW1*9	G90595	04/27/98	04/28/98	05/04/98	1911
SW-110	TLCEDW1*10	G90595	04/27/98	04/28/98	05/04/98	1942
MW-1S	TLCEDW1*11	G90595	04/27/98	04/28/98	05/04/98	2012
MW-4S	TLCEDW1*17	G90595	04/28/98	04/29/98	05/05/98	2126
MW-4SD	TLCEDW1*18	G90595	04/28/98	04/29/98	05/05/98	2157
MW-14S	TLCEDW1*19	G90595	04/28/98	04/29/98	05/05/98	2257
SP2	SP1*NONE*2	G90595	00/00/00	00/00/00	05/05/98	2357
SP3	SP1*NONE*3	G90595	00/00/00	00/00/00	05/06/98	1642
P-38S	TLCEDW1*14	G90595	04/28/98	04/29/98	05/06/98	1747
MW-13S	TLCEDW1*15	G90595	04/28/98	04/29/98	05/06/98	1817
MW-12S	TLCEDW1*16	G90595	04/28/98	04/29/98	05/06/98	1847
MW-21S	TLCEDW1*20	G90595	04/28/98	04/29/98	05/06/98	1917

Comments:
Full SDG: G90595-1

Updated by 1545 (WILLIAM VAN AUSDALE), 11112 (NORBERTO FERNANDEZ),

PROBLEM:
Standard matrix spike not within acceptance criteria:
34311*8260-G
34475*8260-G
77103*8260-G
81551*8260-G
77128*8260-G
EXPLANATION:
These LCS compounds were slightly out of criteria. Recovery ranges are still being established.
PROBLEM:
Sample matrix spike not within acceptance criteria:
34301*8260-G
EXPLANATION:
This MS/MSD compound is out of criteria due to the presence of high amounts in the sample.
PROBLEM:
Sample matrix spike duplicate not within acceptance criteria:
34301*8260-G
EXPLANATION:
See above.
PROBLEM:
Surrogate not within acceptance criteria:
95377*SUR
95378*SUR
EXPLANATION:
Surrogate out on one sample. This sample was re-analyzed at a dilution. However, the neat run was reported.

Sample Data

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-02S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*1

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1538 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	64.	
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	1.5	J
67-64-1	ACETONE	16.	
75-15-0	CARBON DISULFIDE	4.3	J
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	17.	
75-34-3	1,1-DICHLOROETHANE	0.96	J
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2400.	D40
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	0.64	J
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	13.	
79-01-6	TRICHLOROETHENE	12.	
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	86.	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	8.3	
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	2000.	D40
100-41-4	ETHYLBENZENE	9.3	
1330-20-7	XYLENES,TOTAL	22.	
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

P-02D

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*2

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1609 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.9	
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

P-35S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*3

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1639 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	5.2	
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	2.6	J
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	0.98	J
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	11.	
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	5.1	
79-01-6	TRICHLOROETHENE	2.0	J
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	2.7	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	730.	D5
100-41-4	ETHYLBENZENE	5.8	
1330-20-7	XYLENES,TOTAL	11.	
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

SW-120

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*4

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1710 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	1.8	J
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	0.60	J
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	0.64	J
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	79.	
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

P-36S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*5

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1407 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	1.8	J
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	0.81	J
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.0	J
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	2.9	
79-01-6	TRICHLOROETHENE	1.5	J
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	0.92	J
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	410.	D5
100-41-4	ETHYLBENZENE	0.86	J
1330-20-7	XYLENES,TOTAL	0.96	J
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

RB-1

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*6

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1740 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

P-34S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*7

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1811 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	0.66	J
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	7.9	
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	120.	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	690.	D5
100-41-4	ETHYLBENZENE	3.6	
1330-20-7	XYLENES,TOTAL	9.4	
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

SW-130

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*8

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1841 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	2.5	J
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	17.	
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

P-37S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*9

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1911 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	1.3	J
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	1.1	J
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	9.0	
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	0.57	J
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	790.	D5
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

SW-110

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*10

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1942 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	3.4	J
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	1.7	J
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	3.4	
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	28.	
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	250.	D20
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1300.	D20
100-41-4	ETHYLBENZENE	2.3	
1330-20-7	XYLENES,TOTAL	6.4	
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-1S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*11

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 2012 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	35.	
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	3.3	
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.9	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	3800.	D20
100-41-4	ETHYLBENZENE	4.1	
1330-20-7	XYLENES,TOTAL	2.6	J
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

P-38S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*14

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 1747 Date Analyzed: 05/06/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-13S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*15

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 1817 Date Analyzed: 05/06/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.9	
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-12S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*16

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 1847 Date Analyzed: 05/06/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	61.	
1330-20-7	XYLENES,TOTAL	120.	
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-4S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*17

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 5.00

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 2126 Date Analyzed: 05/05/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	22.	UD5
75-01-4	VINYL CHLORIDE	23.	UD5
74-83-9	BROMOMETHANE	18.	UD5
75-00-3	CHLOROETHANE	41.	UD5
75-35-4	1,1-DICHLOROETHYLENE	16.	UD5
67-64-1	ACETONE	45.	UD5
75-15-0	CARBON DISULFIDE	22.	UD5
75-09-2	METHYLENE CHLORIDE	32.	UD5
156-60-5	TRANS-1,2-DICHLOROETHENE	12.	UD5
75-34-3	1,1-DICHLOROETHANE	1.7	JD5
108-05-4	VINYL ACETATE	50.	UD5
156-59-2	CIS-1,2-DICHLOROETHENE	25.	D5
78-93-3	METHYL ETHYL KETONE (MEK)	50.	UD5
67-66-3	CHLOROFORM	13.	UD5
71-55-6	1,1,1-TRICHLOROETHANE	1.5	JD5
107-06-2	1,2-DICHLOROETHANE	13.	UD5
56-23-5	CARBON TETRACHLORIDE	13.	UD5
71-43-2	BENZENE	1.7	JD5
79-01-6	TRICHLOROETHENE	15.	UD5
78-87-5	1,2-DICHLOROPROPANE	10.	UD5
75-27-4	BROMODICHLOROMETHANE	11.	UD5
10061-01-5	CIS-1,3-DICHLOROPROPENE	10.	UD5
108-10-1	METHYL ISOBUTYL KETONE	60.	UD5
108-88-3	TOLUENE	1500.	D40
10061-02-6	TRANS-1,3-DICHLOROPROPENE	8.0	UD5
79-00-5	1,1,2-TRICHLOROETHANE	14.	UD5
127-18-4	TETRACHLOROETHENE	9.5	UD5
591-78-6	2-HEXANONE (MBK)	110.	UD5
124-48-1	DIBROMOCHLOROMETHANE	12.	UD5
108-90-7	CHLOROBENZENE	210.	D5
100-41-4	ETHYLBENZENE	33.	D5
1330-20-7	XYLENES,TOTAL	120.	D5
100-42-5	STYRENE	2.5	UD5
75-25-2	BROMOFORM	13.	UD5
79-34-5	1,1,2,2-TETRACHLOROETHANE	7.5	UD5

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-4SD

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*18

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 5.00

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 2157 Date Analyzed: 05/05/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	22.	UD5
75-01-4	VINYL CHLORIDE	23.	UD5
74-83-9	BROMOMETHANE	18.	UD5
75-00-3	CHLOROETHANE	41.	UD5
75-35-4	1,1-DICHLOROETHYLENE	16.	UD5
67-64-1	ACETONE	45.	UD5
75-15-0	CARBON DISULFIDE	22.	UD5
75-09-2	METHYLENE CHLORIDE	32.	UD5
156-60-5	TRANS-1,2-DICHLOROETHENE	12.	UD5
75-34-3	1,1-DICHLOROETHANE	13.	UD5
108-05-4	VINYL ACETATE	50.	UD5
156-59-2	CIS-1,2-DICHLOROETHENE	12.	UD5
78-93-3	METHYL ETHYL KETONE (MEK)	50.	UD5
67-66-3	CHLOROFORM	1.5	JD5
71-55-6	1,1,1-TRICHLOROETHANE	13.	UD5
107-06-2	1,2-DICHLOROETHANE	13.	UD5
56-23-5	CARBON TETRACHLORIDE	13.	UD5
71-43-2	BENZENE	1.4	JD5
79-01-6	TRICHLOROETHENE	15.	UD5
78-87-5	1,2-DICHLOROPROPANE	10.	UD5
75-27-4	BROMODICHLOROMETHANE	11.	UD5
10061-01-5	CIS-1,3-DICHLOROPROPENE	10.	UD5
108-10-1	METHYL ISOBUTYL KETONE	60.	UD5
108-88-3	TOLUENE	2100.	D40
10061-02-6	TRANS-1,3-DICHLOROPROPENE	8.0	UD5
79-00-5	1,1,2-TRICHLOROETHANE	14.	UD5
127-18-4	TETRACHLOROETHENE	2.3	JD5
591-78-6	2-HEXANONE (MBK)	110.	UD5
124-48-1	DIBROMOCHLOROMETHANE	12.	UD5
108-90-7	CHLOROBENZENE	150.	D5
100-41-4	ETHYLBENZENE	41.	D5
1330-20-7	XYLENES,TOTAL	150.	D5
100-42-5	STYRENE	2.5	UD5
75-25-2	BROMOFORM	13.	UD5
79-34-5	1,1,2,2-TETRACHLOROETHANE	7.5	UD5

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-14S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*19

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 100

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 2257 Date Analyzed: 05/05/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	440.	UD100
75-01-4	VINYL CHLORIDE	460.	UD100
74-83-9	BROMOMETHANE	350.	UD100
75-00-3	CHLOROETHANE	820.	UD100
75-35-4	1,1-DICHLOROETHYLENE	320.	UD100
67-64-1	ACETONE	900.	UD100
75-15-0	CARBON DISULFIDE	440.	UD100
75-09-2	METHYLENE CHLORIDE	640.	UD100
156-60-5	TRANS-1,2-DICHLOROETHENE	240.	UD100
75-34-3	1,1-DICHLOROETHANE	250.	UD100
108-05-4	VINYL ACETATE	1000.	UD100
156-59-2	CIS-1,2-DICHLOROETHENE	240.	UD100
78-93-3	METHYL ETHYL KETONE (MEK)	1000.	UD100
67-66-3	CHLOROFORM	250.	UD100
71-55-6	1,1,1-TRICHLOROETHANE	250.	UD100
107-06-2	1,2-DICHLOROETHANE	250.	UD100
56-23-5	CARBON TETRACHLORIDE	260.	UD100
71-43-2	BENZENE	14.	JD100
79-01-6	TRICHLOROETHENE	300.	UD100
78-87-5	1,2-DICHLOROPROPANE	200.	UD100
75-27-4	BROMODICHLOROMETHANE	220.	UD100
10061-01-5	CIS-1,3-DICHLOROPROPENE	200.	UD100
108-10-1	METHYL ISOBUTYL KETONE	1200.	UD100
108-88-3	TOLUENE	230000.	D2000
10061-02-6	TRANS-1,3-DICHLOROPROPENE	160.	UD100
79-00-5	1,1,2-TRICHLOROETHANE	280.	UD100
127-18-4	TETRACHLOROETHENE	130.	JD100
591-78-6	2-HEXANONE (MBK)	2100.	UD100
124-48-1	DIBROMOCHLOROMETHANE	230.	UD100
108-90-7	CHLOROBENZENE	130.	JD100
100-41-4	ETHYLBENZENE	1600.	D100
1330-20-7	XYLENES,TOTAL	7300.	D100
100-42-5	STYRENE	50.	UD100
75-25-2	BROMOFORM	260.	UD100
79-34-5	1,1,2,2-TETRACHLOROETHANE	150.	UD100

FORM 1
ANALYSIS DATA SHEET

Client ID

MW-21S

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*20

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 1917 Date Analyzed: 05/06/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

QC Data

Client ID

P-36SMS

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: QST Project No.: 1298524 SDG No.: G90595

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC	#	QC LIMITS REC.
1,1-DICHLOROETHYLENE	50	0.0	46	92.0		59-155
BENZENE	50	2.9	52	98.0		78-124
TRICHLOROETHENE	50	1.5	44	86.0		77-127
TOLUENE	50	0.92	49	96.0		79-127
CHLOROBENZENE	50	410	450	80.0	*	85-125

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-DICHLOROETHYLENE	50	47	94.0		2.2		20	59-155
BENZENE	50	51	96.0		2.1		23	78-124
TRICHLOROETHENE	50	44	86.0		0.0		25	77-127
TOLUENE	50	49	96.0		0.0		24	79-127
CHLOROBENZENE	50	450	80.0	*	0.0		20	85-125

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: 2 out of 10 outside limits

COMMENT:

FORM 1
ANALYSIS DATA SHEET

Client ID

P-36SMS

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: SPM1*TLCEDW1*5

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1437 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
75-35-4	1,1-DICHLOROETHYLENE	46.	
71-43-2	BENZENE	52.	
79-01-6	TRICHLOROETHENE	44.	
108-88-3	TOLUENE	49.	
108-90-7	CHLOROBENZENE	450.	

FORM 1
ANALYSIS DATA SHEET

Client ID

P-36SMSD

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: SPM2*TLCEDW1*5

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1508 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
75-35-4	1,1-DICHLOROETHYLENE	47.	
71-43-2	BENZENE	51.	
79-01-6	TRICHLOROETHENE	44.	
108-88-3	TOLUENE	49.	
108-90-7	CHLOROBENZENE	450.	

Client ID

BLK1

QST METHOD BLANK SUMMARY

Lab Name: QST Project No: 1298524 SDG No.: G90595

Lab Sample ID: MB*NONE*1 Lab File ID: G90595

Matrix: WATER Instrument ID: VOA8

Date Analyzed: 05/04/98 Date Extracted:

Time Analysed: 1226

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
P-36S	TLCEDW1*5	05/04/98
P-36SMS	SPM1*TLCEDW1*5	05/04/98
P-36SMSD	SPM2*TLCEDW1*5	05/04/98
MW-02S	TLCEDW1*1	05/04/98
P-02D	TLCEDW1*2	05/04/98
P-35S	TLCEDW1*3	05/04/98
SW-120	TLCEDW1*4	05/04/98
RB-1	TLCEDW1*6	05/04/98
P-34S	TLCEDW1*7	05/04/98
SW-130	TLCEDW1*8	05/04/98
P-37S	TLCEDW1*9	05/04/98
SW-110	TLCEDW1*10	05/04/98
MW-1S	TLCEDW1*11	05/04/98

COMMENTS:

FORM IV QST

FORM 1
ANALYSIS DATA SHEET

Client ID

BLK1

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: MB*NONE*1

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1226 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	5.4	J
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	1.6	J
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

Client ID

BLK2

QST METHOD BLANK SUMMARY

Lab Name: QST Project No: 1298524 SDG No.: G90595

Lab Sample ID: MB*NONE*2 Lab File ID: G90595

Matrix: WATER Instrument ID: VOA8

Date Analyzed: 05/05/98 Date Extracted:

Time Analysed: 1453

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
MW-4S	TLCEDW1*17	05/05/98
MW-4SD	TLCEDW1*18	05/05/98
MW-14S	TLCEDW1*19	05/05/98

COMMENTS:

FORM IV QST

FORM 1
ANALYSIS DATA SHEET

Client ID

BLK2

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: MB*NONE*2

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1453 Date Analyzed: 05/05/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	4.9	J
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	1.5	J
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

Client ID

BLK3

QST METHOD BLANK SUMMARY

Lab Name: QST Project No: 1298524 SDG No.: G90595

Lab Sample ID: MB*STORAGE*2 Lab File ID: G90595

Matrix: WATER Instrument ID: VOA8

Date Analyzed: 05/05/98 Date Extracted:

Time Analysed: 2327

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED

COMMENTS: No samples associated with this MB!

FORM IV QST

FORM 1
ANALYSIS DATA SHEET

Client ID

BLK3

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: MB*STORAGE*2

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 2327 Date Analyzed: 05/05/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	3.6	J
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

Client ID

BLK4

QST METHOD BLANK SUMMARY

Lab Name: QST Project No: 1298524 SDG No.: G90595

Lab Sample ID: MB*NONE*3 Lab File ID: G90595

Matrix: WATER Instrument ID: VOA8

Date Analyzed: 05/06/98 Date Extracted:

Time Analysed: 1612

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
P-38S	TLCEDW1*14	05/06/98
MW-13S	TLCEDW1*15	05/06/98
MW-12S	TLCEDW1*16	05/06/98
MW-21S	TLCEDW1*20	05/06/98

COMMENTS:

FORM IV QST

FORM 1
ANALYSIS DATA SHEET

Client ID

BLK4

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: MB*NONE*3

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1612 Date Analyzed: 05/06/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	3.9	J
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	1.8	J
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

Client ID

SP1

REFERENCE STANDARD

Lab Name: QST

SDG No: G90595

Lab Sample ID: SP1*NONE*1

Date Analyzed: 05/04/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
CHLOROMETHANE	20.	22.		110.0	0-273
VINYL CHLORIDE	20.	18.		90.0	0-251
BROMOMETHANE	20.	14.		70.0	0-242
CHLOROETHANE	20.	20.		100.0	30-130
1,1-DICHLOROETHYLENE	20.	19.		95.0	56-144
ACETONE	20.	12.		60.0	56-162
CARBON DISULFIDE	20.	20.		100.0	81-109
METHYLENE CHLORIDE	20.	18.		90.0	0-221
TRANS-1,2-DICHLOROETHENE	20.	20.		100.0	54-156
1,1-DICHLOROETHANE	20.	18.		90.0	59-155
VINYL ACETATE	20.	19.		95.0	57-131
CIS-1,2-DICHLOROETHENE	20.	16.		80.0	54-156
METHYL ETHYL KETONE (MEK)	20.	15.		75.0	61-145
CHLOROFORM	20.	18.		90.0	51-138
1,1,1-TRICHLOROETHANE	20.	19.		95.0	52-162
1,2-DICHLOROETHANE	20.	18.		90.0	80-120
CARBON TETRACHLORIDE	20.	18.		90.0	86-118
BENZENE	20.	18.		90.0	49-155
TRICHLOROETHENE	20.	17.		85.0	70-140

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

Client ID

REFERENCE STANDARD

SP1

Lab Name: QST

SDG No: G90595

Lab Sample ID: SP1*NONE*1

Date Analyzed: 05/04/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
1,2-DICHLOROPROPANE	20.	17.		85.0	78-124
BROMODICHLOROMETHANE	20.	19.		95.0	77-127
CIS-1,3-DICHLOROPROPENE	20.	18.		90.0	0-210
METHYL ISOBUTYL KETONE	20.	16.		80.0	35-155
TOLUENE	20.	18.		90.0	0-227
TRANS-1,3-DICHLOROPROPENE	20.	18.		90.0	50-146
1,1,2-TRICHLOROETHANE	20.	16.	*	80.0	88-110
TETRACHLOROETHENE	20.	13.	*	65.0	79-127
2-HEXANONE (MBK)	20.	16.		80.0	17-183
DIBROMOCHLOROMETHANE	20.	16.		80.0	52-150
CHLOROBENZENE	20.	18.		90.0	86-115
ETHYLBENZENE	20.	18.		90.0	64-148
XYLENES,TOTAL	20.	17.	*	85.0	100-182
STYRENE	20.	16.		80.0	53-149
BROMOFORM	20.	19.		95.0	85-125
1,1,2,2-TETRACHLOROETHANE	20.	18.		90.0	77-111

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

FORM 1
ANALYSIS DATA SHEET

Client ID

SP1

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*1

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1303 Date Analyzed: 05/04/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	22.	
75-01-4	VINYL CHLORIDE	18.	
74-83-9	BROMOMETHANE	14.	
75-00-3	CHLOROETHANE	20.	
75-35-4	1,1-DICHLOROETHYLENE	19.	
67-64-1	ACETONE	17.	
75-15-0	CARBON DISULFIDE	20.	
75-09-2	METHYLENE CHLORIDE	20.	
156-60-5	TRANS-1,2-DICHLOROETHENE	20.	
75-34-3	1,1-DICHLOROETHANE	18.	
108-05-4	VINYL ACETATE	19.	
156-59-2	CIS-1,2-DICHLOROETHENE	16.	
78-93-3	METHYL ETHYL KETONE (MEK)	15.	
67-66-3	CHLOROFORM	18.	
71-55-6	1,1,1-TRICHLOROETHANE	19.	
107-06-2	1,2-DICHLOROETHANE	18.	
56-23-5	CARBON TETRACHLORIDE	18.	
71-43-2	BENZENE	18.	
79-01-6	TRICHLOROETHENE	17.	
78-87-5	1,2-DICHLOROPROPANE	17.	
75-27-4	BROMODICHLOROMETHANE	19.	
10061-01-5	CIS-1,3-DICHLOROPROPENE	18.	
108-10-1	METHYL ISOBUTYL KETONE	16.	
108-88-3	TOLUENE	18.	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	18.	
79-00-5	1,1,2-TRICHLOROETHANE	16.	
127-18-4	TETRACHLOROETHENE	13.	
591-78-6	2-HEXANONE (MBK)	16.	J
124-48-1	DIBROMOCHLOROMETHANE	16.	
108-90-7	CHLOROBENZENE	18.	
100-41-4	ETHYLBENZENE	18.	
1330-20-7	XYLENES,TOTAL	17.	
100-42-5	STYRENE	16.	
75-25-2	BROMOFORM	19.	
79-34-5	1,1,2,2-TETRACHLOROETHANE	18.	

Client ID

REFERENCE STANDARD

SP2

Lab Name: QST

SDG No: G90595

Lab Sample ID: SP1*NONE*2

Date Analyzed: 05/05/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
CHLOROMETHANE	20.	20.		100.0	0-273
VINYL CHLORIDE	20.	17.		85.0	0-251
BROMOMETHANE	20.	18.		90.0	0-242
CHLOROETHANE	20.	27.	*	135.0	30-130
1,1-DICHLOROETHYLENE	20.	18.		90.0	56-144
ACETONE	20.	19.		95.0	56-162
CARBON DISULFIDE	20.	18.		90.0	81-109
METHYLENE CHLORIDE	20.	21.		105.0	0-221
TRANS-1,2-DICHLOROETHENE	20.	20.		100.0	54-156
1,1-DICHLOROETHANE	20.	19.		95.0	59-155
VINYL ACETATE	20.	24.		120.0	57-131
CIS-1,2-DICHLOROETHENE	20.	17.		85.0	54-156
METHYL ETHYL KETONE (MEK)	20.	20.		100.0	61-145
CHLOROFORM	20.	19.		95.0	51-138
1,1,1-TRICHLOROETHANE	20.	18.		90.0	52-162
1,2-DICHLOROETHANE	20.	20.		100.0	80-120
CARBON TETRACHLORIDE	20.	16.	*	80.0	86-118
BENZENE	20.	19.		95.0	49-155
TRICHLOROETHENE	20.	16.		80.0	70-140

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

Client ID

SP2

REFERENCE STANDARD

Lab Name: QST

SDG No: G90595

Lab Sample ID: SP1*NONE*2

Date Analyzed: 05/05/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
1,2-DICHLOROPROPANE	20.	18.		90.0	78-124
BROMODICHLOROMETHANE	20.	21.		105.0	77-127
CIS-1,3-DICHLOROPROPENE	20.	19.		95.0	0-210
METHYL ISOBUTYL KETONE	20.	20.		100.0	35-155
TOLUENE	20.	18.		90.0	0-227
TRANS-1,3-DICHLOROPROPENE	20.	20.		100.0	50-146
1,1,2-TRICHLOROETHANE	20.	19.		95.0	88-110
TETRACHLOROETHENE	20.	12.	*	60.0	79-127
2-HEXANONE (MBK)	20.	19.		95.0	17-183
DIBROMOCHLOROMETHANE	20.	18.		90.0	52-150
CHLOROBENZENE	20.	18.		90.0	86-115
ETHYLBENZENE	20.	17.		85.0	64-148
XYLENES,TOTAL	20.	16.	*	80.0	100-182
STYRENE	20.	15.		75.0	53-149
BROMOFORM	20.	22.		110.0	85-125
1,1,2,2-TETRACHLOROETHANE	20.	23.	*	115.0	77-111

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

FORM 1
ANALYSIS DATA SHEET

Client ID

SP2

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*2

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 2357 Date Analyzed: 05/05/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	20.	
75-01-4	VINYL CHLORIDE	17.	
74-83-9	BROMOMETHANE	18.	
75-00-3	CHLOROETHANE	27.	
75-35-4	1,1-DICHLOROETHYLENE	18.	
67-64-1	ACETONE	24.	
75-15-0	CARBON DISULFIDE	18.	
75-09-2	METHYLENE CHLORIDE	22.	
156-60-5	TRANS-1,2-DICHLOROETHENE	20.	
75-34-3	1,1-DICHLOROETHANE	19.	
108-05-4	VINYL ACETATE	24.	
156-59-2	CIS-1,2-DICHLOROETHENE	17.	
78-93-3	METHYL ETHYL KETONE (MEK)	20.	
67-66-3	CHLOROFORM	19.	
71-55-6	1,1,1-TRICHLOROETHANE	18.	
107-06-2	1,2-DICHLOROETHANE	20.	
56-23-5	CARBON TETRACHLORIDE	16.	
71-43-2	BENZENE	19.	
79-01-6	TRICHLOROETHENE	16.	
78-87-5	1,2-DICHLOROPROPANE	18.	
75-27-4	BROMODICHLOROMETHANE	21.	
10061-01-5	CIS-1,3-DICHLOROPROPENE	19.	
108-10-1	METHYL ISOBUTYL KETONE	20.	
108-88-3	TOLUENE	18.	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20.	
79-00-5	1,1,2-TRICHLOROETHANE	19.	
127-18-4	TETRACHLOROETHENE	12.	
591-78-6	2-HEXANONE (MBK)	19.	J
124-48-1	DIBROMOCHLOROMETHANE	18.	
108-90-7	CHLOROBENZENE	18.	
100-41-4	ETHYLBENZENE	17.	
1330-20-7	XYLENES,TOTAL	16.	
100-42-5	STYRENE	15.	
75-25-2	BROMOFORM	22.	
79-34-5	1,1,2,2-TETRACHLOROETHANE	23.	

Client ID

REFERENCE STANDARD

SP3

Lab Name: QST

SDG No: G90595

Lab Sample ID: SP1*NONE*3

Date Analyzed: 05/06/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
CHLOROMETHANE	20.	22.		110.0	0-273
VINYL CHLORIDE	20.	20.		100.0	0-251
BROMOMETHANE	20.	19.		95.0	0-242
CHLOROETHANE	20.	31.	*	155.0	30-130
1,1-DICHLOROETHYLENE	20.	19.		95.0	56-144
ACETONE	20.	20.		100.0	56-162
CARBON DISULFIDE	20.	21.		105.0	81-109
METHYLENE CHLORIDE	20.	19.		95.0	0-221
TRANS-1,2-DICHLOROETHENE	20.	22.		110.0	54-156
1,1-DICHLOROETHANE	20.	20.		100.0	59-155
VINYL ACETATE	20.	25.		125.0	57-131
CIS-1,2-DICHLOROETHENE	20.	18.		90.0	54-156
METHYL ETHYL KETONE (MEK)	20.	22.		110.0	61-145
CHLOROFORM	20.	18.		90.0	51-138
1,1,1-TRICHLOROETHANE	20.	21.		105.0	52-162
1,2-DICHLOROETHANE	20.	19.		95.0	80-120
CARBON TETRACHLORIDE	20.	18.		90.0	86-118
BENZENE	20.	19.		95.0	49-155
TRICHLOROETHENE	20.	17.		85.0	70-140

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

Client ID

REFERENCE STANDARD

SP3

Lab Name: QST

SDG No: G90595

Lab Sample ID: SP1*NONE*3

Date Analyzed: 05/06/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
1,2-DICHLOROPROPANE	20.	18.		90.0	78-124
BROMODICHLOROMETHANE	20.	20.		100.0	77-127
CIS-1,3-DICHLOROPROPENE	20.	20.		100.0	0-210
METHYL ISOBUTYL KETONE	20.	20.		100.0	35-155
TOLUENE	20.	19.		95.0	0-227
TRANS-1,3-DICHLOROPROPENE	20.	19.		95.0	50-146
1,1,2-TRICHLOROETHANE	20.	19.		95.0	88-110
TETRACHLOROETHENE	20.	13.	*	65.0	79-127
2-HEXANONE (MBK)	20.	20.		100.0	17-183
DIBROMOCHLOROMETHANE	20.	18.		90.0	52-150
CHLOROBENZENE	20.	18.		90.0	86-115
ETHYLBENZENE	20.	18.		90.0	64-148
XYLENES,TOTAL	20.	17.	*	85.0	100-182
STYRENE	20.	16.		80.0	53-149
BROMOFORM	20.	22.		110.0	85-125
1,1,2,2-TETRACHLOROETHANE	20.	23.	*	115.0	77-111

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

FORM 1
ANALYSIS DATA SHEET

Client ID

SP3

Lab Name: QST Project No.: 1298524 SDG No.: G90595

Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*3

Sample wt/vol: . Lab File ID: G90595

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1642 Date Analyzed: 05/06/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	22.	
75-01-4	VINYL CHLORIDE	20.	
74-83-9	BROMOMETHANE	19.	
75-00-3	CHLOROETHANE	31.	
75-35-4	1,1-DICHLOROETHYLENE	19.	
67-64-1	ACETONE	24.	
75-15-0	CARBON DISULFIDE	21.	
75-09-2	METHYLENE CHLORIDE	21.	
156-60-5	TRANS-1,2-DICHLOROETHENE	22.	
75-34-3	1,1-DICHLOROETHANE	20.	
108-05-4	VINYL ACETATE	25.	
156-59-2	CIS-1,2-DICHLOROETHENE	18.	
78-93-3	METHYL ETHYL KETONE (MEK)	22.	
67-66-3	CHLOROFORM	18.	
71-55-6	1,1,1-TRICHLOROETHANE	21.	
107-06-2	1,2-DICHLOROETHANE	19.	
56-23-5	CARBON TETRACHLORIDE	18.	
71-43-2	BENZENE	19.	
79-01-6	TRICHLOROETHENE	17.	
78-87-5	1,2-DICHLOROPROPANE	18.	
75-27-4	BROMODICHLOROMETHANE	20.	
10061-01-5	CIS-1,3-DICHLOROPROPENE	20.	
108-10-1	METHYL ISOBUTYL KETONE	20.	
108-88-3	TOLUENE	19.	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	19.	
79-00-5	1,1,2-TRICHLOROETHANE	19.	
127-18-4	TETRACHLOROETHENE	13.	
591-78-6	2-HEXANONE (MBK)	20.	J
124-48-1	DIBROMOCHLOROMETHANE	18.	
108-90-7	CHLOROBENZENE	18.	
100-41-4	ETHYLBENZENE	18.	
1330-20-7	XYLENES,TOTAL	17.	
100-42-5	STYRENE	16.	
75-25-2	BROMOFORM	22.	
79-34-5	1,1,2,2-TETRACHLOROETHANE	23.	

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90595

Analyte: 1,2-DICHLOROETHANE-D(4)(8260 Limits: 80 - 120

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90595	100
SP1	SP1*NONE*1	G90595	92
P-36S	TLCEDW1*5	G90595	104
P-36SMS	SPM1*TLCEDW1*5	G90595	98
P-36SMSD	SPM2*TLCEDW1*5	G90595	98
MW-02S	TLCEDW1*1	G90595	102
P-02D	TLCEDW1*2	G90595	104
P-35S	TLCEDW1*3	G90595	106
SW-120	TLCEDW1*4	G90595	106
RB-1	TLCEDW1*6	G90595	102
P-34S	TLCEDW1*7	G90595	104
SW-130	TLCEDW1*8	G90595	102
P-37S	TLCEDW1*9	G90595	102
SW-110	TLCEDW1*10	G90595	112
MW-1S	TLCEDW1*11	G90595	102
BLK2	MB*NONE*2	G90595	92
MW-4S	TLCEDW1*17	G90595	96
MW-4SD	TLCEDW1*18	G90595	98
MW-14S	TLCEDW1*19	G90595	104
BLK3	MB*STORAGE*2	G90595	114
SP2	SP1*NONE*2	G90595	100
BLK4	MB*NONE*3	G90595	92
SP3	SP1*NONE*3	G90595	102
P-38S	TLCEDW1*14	G90595	98
MW-13S	TLCEDW1*15	G90595	96
MW-12S	TLCEDW1*16	G90595	94
MW-21S	TLCEDW1*20	G90595	98

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90595

Analyte: DIBROMOFLUOROMETHANE (8260) Limits: 86 - 118

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90595	94
SP1	SP1*NONE*1	G90595	94
P-36S	TLCEDW1*5	G90595	98
P-36SMS	SPM1*TLCEDW1*5	G90595	90
P-36SMSD	SPM2*TLCEDW1*5	G90595	94
MW-02S	TLCEDW1*1	G90595	98
P-02D	TLCEDW1*2	G90595	98
P-35S	TLCEDW1*3	G90595	100
SW-120	TLCEDW1*4	G90595	102
RB-1	TLCEDW1*6	G90595	96
P-34S	TLCEDW1*7	G90595	98
SW-130	TLCEDW1*8	G90595	96
P-37S	TLCEDW1*9	G90595	96
SW-110	TLCEDW1*10	G90595	104
MW-1S	TLCEDW1*11	G90595	100
BLK2	MB*NONE*2	G90595	88
MW-4S	TLCEDW1*17	G90595	90
MW-4SD	TLCEDW1*18	G90595	88
MW-14S	TLCEDW1*19	G90595	94
BLK3	MB*STORAGE*2	G90595	106
SP2	SP1*NONE*2	G90595	94
BLK4	MB*NONE*3	G90595	86
SP3	SP1*NONE*3	G90595	96
P-38S	TLCEDW1*14	G90595	94
MW-13S	TLCEDW1*15	G90595	92
MW-12S	TLCEDW1*16	G90595	90
MW-21S	TLCEDW1*20	G90595	94

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90595

Analyte: TOLUENE-D8 (8260) Limits: 88 - 110

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90595	98
SP1	SP1*NONE*1	G90595	98
P-36S	TLCEDW1*5	G90595	104
P-36SMS	SPM1*TLCEDW1*5	G90595	90
P-36SMSD	SPM2*TLCEDW1*5	G90595	98
MW-02S	TLCEDW1*1	G90595	100
P-02D	TLCEDW1*2	G90595	104
P-35S	TLCEDW1*3	G90595	102
SW-120	TLCEDW1*4	G90595	106
RB-1	TLCEDW1*6	G90595	98
P-34S	TLCEDW1*7	G90595	100
SW-130	TLCEDW1*8	G90595	102
P-37S	TLCEDW1*9	G90595	102
SW-110	TLCEDW1*10	G90595	108
MW-1S	TLCEDW1*11	G90595	102
BLK2	MB*NONE*2	G90595	96
MW-4S	TLCEDW1*17	G90595	96
MW-4SD	TLCEDW1*18	G90595	86 *
MW-14S	TLCEDW1*19	G90595	90
BLK3	MB*STORAGE*2	G90595	98
SP2	SP1*NONE*2	G90595	98
BLK4	MB*NONE*3	G90595	92
SP3	SP1*NONE*3	G90595	100
P-38S	TLCEDW1*14	G90595	98
MW-13S	TLCEDW1*15	G90595	98
MW-12S	TLCEDW1*16	G90595	100
MW-21S	TLCEDW1*20	G90595	100

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90595

Analyte: BROMOFLUOROBENZENE (8260) Limits: 86 - 115

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90595	92
SP1	SP1*NONE*1	G90595	96
P-36S	TLCEDW1*5	G90595	104
P-36SMS	SPM1*TLCEDW1*5	G90595	90
P-36SMSD	SPM2*TLCEDW1*5	G90595	96
MW-02S	TLCEDW1*1	G90595	108
P-02D	TLCEDW1*2	G90595	104
P-35S	TLCEDW1*3	G90595	106
SW-120	TLCEDW1*4	G90595	104
RB-1	TLCEDW1*6	G90595	94
P-34S	TLCEDW1*7	G90595	100
SW-130	TLCEDW1*8	G90595	98
P-37S	TLCEDW1*9	G90595	100
SW-110	TLCEDW1*10	G90595	114
MW-1S	TLCEDW1*11	G90595	110
BLK2	MB*NONE*2	G90595	92
MW-4S	TLCEDW1*17	G90595	94
MW-4SD	TLCEDW1*18	G90595	84 *
MW-14S	TLCEDW1*19	G90595	102
BLK3	MB*STORAGE*2	G90595	104
SP2	SP1*NONE*2	G90595	96
BLK4	MB*NONE*3	G90595	88
SP3	SP1*NONE*3	G90595	96
P-38S	TLCEDW1*14	G90595	94
MW-13S	TLCEDW1*15	G90595	94
MW-12S	TLCEDW1*16	G90595	100
MW-21S	TLCEDW1*20	G90595	96

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90595
Lab File ID: G90595 Date Analyzed: 05/04/98
Instrument ID: Time Analyzed: 1145
Matrix: WATER Lab Samp ID: CCS*50STD*1

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	720785	6.94	1360692	8.05	1222851	12.76
	UPPER LIMIT	1441570	7.44	2721384	8.55	2445702	13.26
	LOWER LIMIT	360393	6.44	680346	7.55	611426	12.26
	EPA SAMPLE No.						
01	MB_NONE_1	752632	6.92	1395352	8.04	1191553	12.76
02	SP1_NONE_1	776657	6.93	1477615	8.04	1297826	12.76
03	TLCEDW1_5	737269	6.92	1407603	8.04	1274956	12.76
04	SPM1_TLCEDW1	764087	6.92	1438006	8.04	1303499	12.76
05	SPM2_TLCEDW1	741186	6.93	1400423	8.04	1260175	12.76
06	TLCEDW1_1	721002	6.93	1333565	8.05	1363510	12.77
07	TLCEDW1_2	699644	6.93	1334436	8.04	1170895	12.75
08	TLCEDW1_3	648927	6.93	1220722	8.04	1135564	12.77
09	TLCEDW1_4	660333	6.93	1284448	8.05	1151117	12.75
10	TLCEDW1_6	671382	6.93	1277491	8.05	1124962	12.75
11	TLCEDW1_7	649124	6.93	1254641	8.04	1178552	12.77
12	TLCEDW1_8	633008	6.93	1269620	8.05	1144830	12.76
13	TLCEDW1_9	658989	6.93	1253662	8.05	1179340	12.77
14	TLCEDW1_10	576486	6.93	1135929	8.05	1135607	12.77
15	TLCEDW1_11	621768	6.94	1215364	8.05	1420970	12.80
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = 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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90595
Lab File ID: G90595 Date Analyzed: 05/04/98
Instrument ID: Time Analyzed: 1145
Matrix: WATER Lab Samp ID: CCS*50STD*1

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	644953	16.82				
	UPPER LIMIT	1289906	17.32				
	LOWER LIMIT	322477	16.32				
	EPA SAMPLE No.						
01	MB_NONE_1	539535	16.82				
02	SP1_NONE_1	603123	16.82				
03	TLCEDW1_5	600243	16.82				
04	SPM1_TLCEDW1	609219	16.82				
05	SPM2_TLCEDW1	574037	16.82				
06	TLCEDW1_1	611999	16.82				
07	TLCEDW1_2	634421	16.82				
08	TLCEDW1_3	545287	16.82				
09	TLCEDW1_4	542954	16.83				
10	TLCEDW1_6	526879	16.82				
11	TLCEDW1_7	519969	16.82				
12	TLCEDW1_8	545610	16.82				
13	TLCEDW1_9	526826	16.82				
14	TLCEDW1_10	490665	16.82				
15	TLCEDW1_11	551679	16.82				
16							
17							
18							
19							
20							
21							
22							

IS4 = 1,4-DICHLOROBENZENE-D4
IS5 =
IS6 =

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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90595
Lab File ID: G90595 Date Analyzed: 05/05/98
Instrument ID: Time Analyzed: 1407
Matrix: WATER Lab Samp ID: CCS*50STD*2

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	712418	6.92	1286996	8.03	1119652	12.75
	UPPER LIMIT	1424836	7.42	2573992	8.53	2239304	13.25
	LOWER LIMIT	356209	6.42	643498	7.53	559826	12.25
	EPA SAMPLE No.						
01	MB_NONE_2	736269	6.92	1396042	8.04	1196270	12.75
02	TLCEDW1_17	607554	6.93	1177863	8.04	1055870	12.76
03	TLCEDW1_18	562966	6.92	1141327	8.03	1010313	12.75
04	TLCEDW1_19	461128	6.92	1063528	8.04	1069370	12.75
05	MB_STORAGE_2	404639	6.93	930736	8.04	817049	12.74
06	SP1_NONE_2	549492	6.93	1086730	8.04	965977	12.75
07							
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20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = 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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90595
Lab File ID: G90595 Date Analyzed: 05/05/98
Instrument ID: Time Analyzed: 1407
Matrix: WATER Lab Samp ID: CCS*50STD*2

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	593098	16.82				
	UPPER LIMIT	1186196	17.32				
	LOWER LIMIT	296549	16.32				
	EPA SAMPLE No.						
01	MB_NONE_2	545687	16.82				
02	TLCEDW1_17	495670	16.82				
03	TLCEDW1_18	478878	16.81				
04	TLCEDW1_19	488592	16.81				
05	MB_STORAGE_2	415805	16.82				
06	SP1_NONE_2	442809	16.81				
07							
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19							
20							
21							
22							

IS4 = 1,4-DICHLOROBENZENE-D4
IS5 =
IS6 =

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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90595
Lab File ID: G90595 Date Analyzed: 05/06/98
Instrument ID: Time Analyzed: 1542
Matrix: WATER Lab Samp ID: CCS*50STD*3

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	538979	6.92	1014361	8.04	906244	12.75
	UPPER LIMIT	1077958	7.42	2028722	8.54	1812488	13.25
	LOWER LIMIT	269490	6.42	507181	7.54	453122	12.25
	EPA SAMPLE No.						
01	MB_NONE_3	492226	6.92	1001113	8.04	870527	12.75
02	SP1_NONE_3	450904	6.93	899539	8.04	787655	12.76
03	TLCEDW1_14	485718	6.93	972094	8.04	851818	12.75
04	TLCEDW1_15	481628	6.93	967575	8.05	833090	12.75
05	TLCEDW1_16	503377	6.93	971026	8.05	887359	12.75
06	TLCEDW1_20	484621	6.94	949974	8.05	824962	12.75
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21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = 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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90595
Lab File ID: G90595 Date Analyzed: 05/06/98
Instrument ID: Time Analyzed: 1542
Matrix: WATER Lab Samp ID: CCS*50STD*3

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	482377	16.82				
	UPPER LIMIT	964754	17.32				
	LOWER LIMIT	241189	16.32				
	EPA SAMPLE No.						
01	MB_NONE_3	397133	16.82				
02	SP1_NONE_3	361941	16.82				
03	TLCEDW1_14	394316	16.82				
04	TLCEDW1_15	378189	16.82				
05	TLCEDW1_16	422691	16.82				
06	TLCEDW1_20	384520	16.82				
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 = 1,4-DICHLOROBENZENE-D4
IS5 =
IS6 =

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.

Raw Data

SOP# GLM 1241-006

REV# 2 DATE 06/17/97

Qst Environmental Laboratory GC/MS Instrument Logsheet

Project Name 8260 Std Curve Instrument ID VOA8 GC Program 35°C t=4min to 180°C at 8°C/min

Date	4/17/98
Operator	WSK
Mass Range	35:500
Threshold	100
Scan Delay	0.9
Tape Date	
Column	DB624 20.7/0.18
A/D	2.3
E.M.	2553
SURR	SSWSR21 CB
Int Std	IS82634 CE
Standard	Freon-1,1,3 1487-78-1 VSBM13 CB
CAL File	W8260PLL
ID File	W8260PLL
ID File Units	µg/L
Data Uploaded	
Upload Name	
Data Sign	

FRN	Sample ID	Purge Vol	Als Pos	Dil Fact	Comments	Sample check
03547	BFB 50 ng inj	—	—	—	(168, 169, 170) - 163	—
03548	VSTD 50	5.0	9	1.0	5 µl/50	—
03549	VSTD 10		10		data not used, standards prepared improperly	—
03550	VSTD 20		11			—
03551	VSTD 50		12			—
03552	VSTD 10		13		1.0 µl/50	—
03553	VSTD 20		14		2.0 µl/50	—
03554	VSTD 50		15		5 µl/50	—
03555	VSTD 100		16		10 µl/50	—
03556	VSTD 200		1		20 µl/50	—
03557	System blank	5.0	2	1.0		—

Book# 1571

[signature] 4/17/98
Signed/Date

Read and Understood By
Daniel C. Luson 04.17.98
Signed/Date

00020

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00071

SOP# SOPGCMS124/006

Qst Environmental Laboratory GC/MS Instrument Logsheet

REV# 2 DATE 6/17/97

Project Name Tech Law Instrument ID VOA8 GC Program 35°C x 4 min; 180°C @ 8°/min

Date	5/4/98
Operator	KAM
Mass Range	35-300
Threshold	100
Scan Delay	0.9 min
Tape Date	
Column	DB624 20m 0.18mm
A/D	23
E.M.	2553V
SURR	1582-32-1 SSWSP 229A
Int Std	FS8263 4ng D 1582-31-1
Standard	1582-33-1 VSBM14 4C
CAL File	W8260ALL
ID File	W8260ALL
ID File Units	µg/l
Data Uploaded	
Upload Name	
Data Sign	

FRN	Sample ID	Purge Vol	Als Pos	Dil Fact	Comments	Sample check
03645	BFB 50ng im	—	—	—		✓
03646	VSTD50	5ml	1	1.0	5ul/50	✓
03647	MB4NONE01		2			✓
03648	SP1@NONE01		3		1582-35-1 CLPVS112@A PL	✓
03649	TLCEDW1@1		4		CB2>UCL	✓
03650	SPM1@TLCEDW1@1		5		1582-35-1 MATSPIK30@A	✓
03651	SPM2@TLCEDW1@1		6			✓
03652	TLCEDW1@1		7		CB2, CIS12DCE>UCL	✓
03653	TLCEDW1@2		8			✓
03654	TLCEDW1@3		9		CB2>UCL	✓
03655	TLCEDW1@4		10			✓
03656	TLCEDW1@6		11			✓
03657	TLCEDW1@7		12		CB2>UCL	✓
03658	TLCEDW1@8		13			✓
03659	TLCEDW1@9		14		CB2>UCL	✓
03660	TLCEDW1@10		15		Tol, CB2>UCL	✓
03661	TLCEDW1@11	↓	16	↓	CB2>UCL	✓

05/05/98

Book# 1571

Signed/Date 5/4/98

Read and Understood By

Signed/Date 05/05/98

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00072

00026

SOP# GLM 10.4 1000.5

Qst Environmental Laboratory GC/MS Instrument Logsheet

REV# 2 DATE 6/17/97

Project Name Tech Law 8260 Waters Instrument ID VOA8 GC Program 35° for 4min to 180°C @ 8°C/min

Date 05/05/98
Operator GGL
Mass Range 35-300
Threshold 100
Scan Delay 0.9min
Tape Date
Column DB624 20m/0.18mm
A/D 23
E.M. 2553V
SURR SSWSR224A
Int Std IS82636*D
Standard VSBM14*C
CAL File W8260ALL
ID File W8260ALL
ID File Units ug/L
Data Uploaded
Upload Name
Data Sign

FRN	Sample ID	Purge Vol	Als Pos	Dil Fact	Comments	Sample check
03662	BFB 50ng	—	—	—	(170-172)/3 -162 1335 hrs	✓
03663	VSTD50	5ml	9	1.0	5ul/50	✓
03664	MB*NONE*1	5ml	10	1.0		✓
03665	SPH*NONE*1	5ml	11	1.0	NOT USED PL	✓
03666	TLCEDW1*5	1ml	12	5.0	Reported w/ 5/4 data CZ	✓
03667	TLCEDW1*1	1ml	13	5.0	Need 20X	
03668	TLCEDW1*3	1ml	14	5.0		✓
03669	TLCEDW1*7	1ml	15	5.0		✓
03670	TLCEDW1*9	1ml	16	5.0	Reported w/ 5/4 data	✓
03671	TLCEDW1*10 250ml	0.5ml	1	~~10~~ 20	overdilutedd → NA	✓
03672	TLCEDW1*11 250ml	0.5ml	2	~~10~~ 20		✓
03673	TLCEDW1*1	125ml	3	~~20~~ 40		✓
03674	TLCEDW1*14	1ml	4	5.0	RERUN NEAT } NOT REPORTED OVER DILUTE	✓
03675	TLCEDW1*15	1ml	5	5.0		✓
03676	TLCEDW1*16	1ml	6	5.0		✓
03677	TLCEDW1*17	1ml	7	5.0	Need 20X	✓
03678	TLCEDW1*18	1ml	8	5.0	Need 20X	✓
03679	TLCEDW1*20	1ml	9	5.0	RERUN NEAT } NOT REPORTED OVER DILUTE	✓
03680	TLCEDW1*19	50ml	10	100	Need ~~x~~ 2000X	✓
03681	MB*STORAGE*1	5ml	11	1.0		✓
03682	SPI*NONE*1	5ml	12	1.0	CLPVS112*A	✓
	05/06/98					

Book# 1571

05/06/98
Signed/Date

Read and Understood By
5/7/98
Signed/Date

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SOP# GLM/1241.006

Qst Environmental Laboratory GC/MS Instrument Logsheet

REV# 2 DATE 6/17/97

Project Name Tech Law 8260 Waters Instrument ID V018 GC Program 35° t=4min to 180°C @ 8°C/min

Date 05/06/98
Operator GGL
Mass Range 35-300
Threshold 100
Scan Delay 0.9min
Tape Date
Column DB624 20m/0.18m
A/D 23
E.M. 2553V
SURR SSWSR22*A
Int Std IS82636*D
Standard VSBM14*C
CAL File W8260ALL
ID File W8260ALL
ID File Units ug/L
Data Uploaded
Upload Name
Data Sign

FRN	Sample ID	Purge Vol	Als Pos	Dil Fact	Comments	Sample check
03683	BFB.50ng inj	—	—	—	(170-172)/3 -160 1520 hrs	✓
03684	VSTD50	5ml	9	1.0	5ul/50	✓
03685	MB*NONE*1	5ml	10	1.0		✓
03686	SPK*NONE*1	5ml	11	1.0	CLPVS112*A	✓
03687	TLCEDW1*14	5ml	12	1.0		✓
03688	TLCEDW1*15	5ml	13	1.0		✓
03689	TLCEDW1*16	5ml	14	1.0		✓
03690	TLCEDW1*20	5ml	15	1.0		✓
03691	TLCEDW1*10	250ul	16	20	Not Needed 1st run OK 05/13/98	✓
03692	TLCEDW1*17	125ul	1	40		✓
03693	TLCEDW1*18	125ul	2	40		✓
03694	TLCEDW1*19	2.5ul	3	2000		✓
03695	MB*STORAGE*1	5ml	4	1.0		✓

05/07/98

Book# 1571

05/07/98
Signed/Date

Read and Understood By
5/26/98
Signed/Date

F:/admin/common/forms/1241/voalnd.xls

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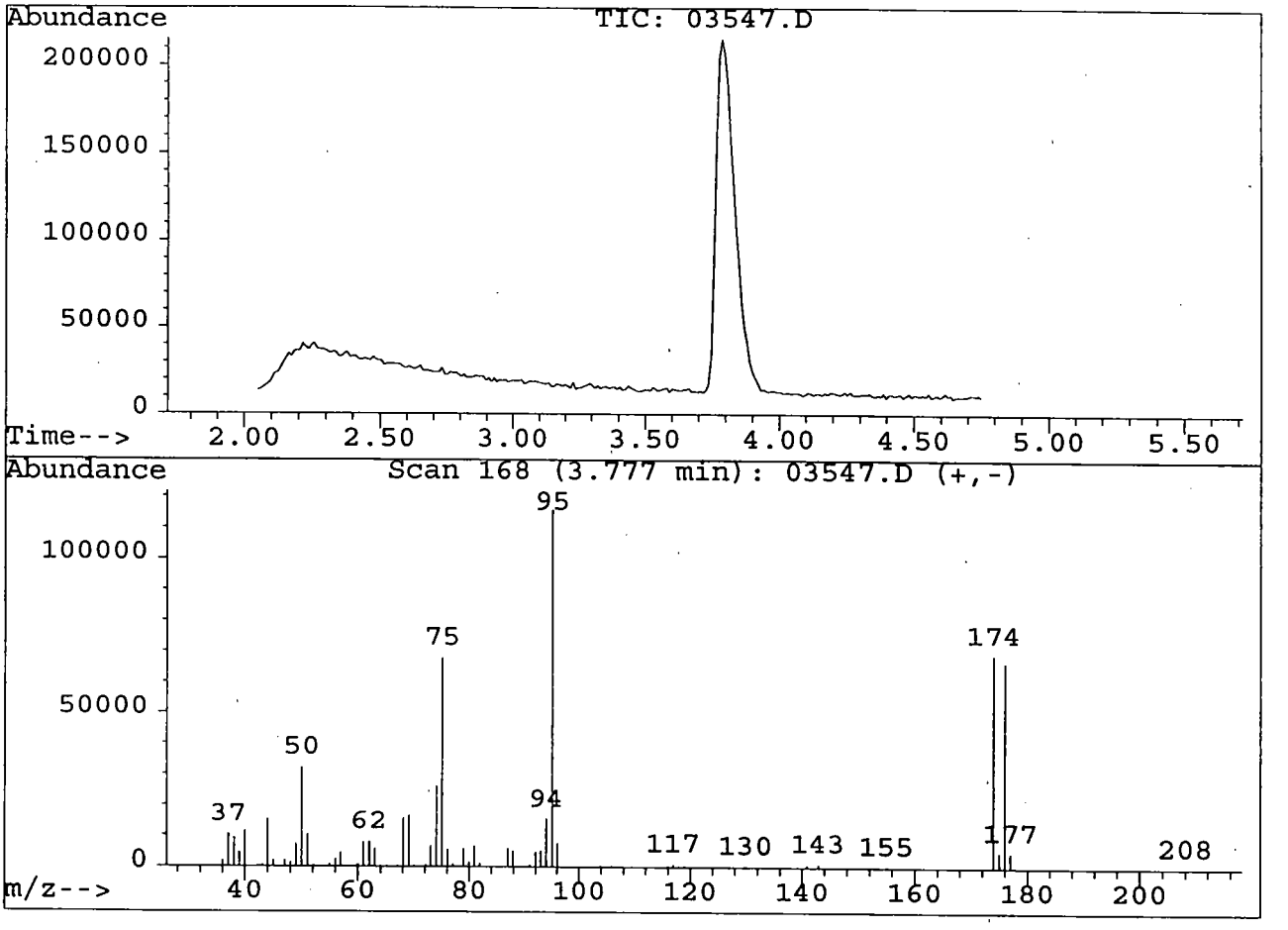
00028

BFB 3/90

Data File : C:\HPCHEM\1\DATA\04_17_98\03547.D
Acq On : 17 Apr 98 9:14 am
Sample : BFB 50NG INJ
Misc :

Vial: 1
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB90.M
Title :



Peak Apex is scan: 162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.9	32292	PASS
75	95	30	66	58.6	67888	PASS
95	95	100	100	100.0	115792	PASS
96	95	5	9	6.4	7431	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	59.7	69184	PASS
175	174	4	9	7.1	4896	PASS
176	174	93	101	96.4	66720	PASS
177	176	5	9	7.0	4657	PASS

03547.D BFB90.M Fri Apr 17 15:06:54 1998 RP1

Modified:added subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1947	47.05	2045	57.80	156	68.05	15671
37.05	10375	48.00	1403	58.10	203	69.05	16658
38.10	9239	49.00	7163	59.90	681	69.95	524
39.00	4531	50.00	32292	60.05	897	70.15	340
40.00	11249	51.05	10245	61.00	7736	72.10	820
42.00	111	52.10	586	62.00	7964	73.05	6552
43.10	734	53.00	242	63.00	5644	74.05	26268
44.00	15415	53.90	196	63.90	304	75.05	67888
45.00	2161	54.95	984	64.05	310	76.05	5416
46.00	199	56.05	2392	65.10	586	77.05	942
46.30	113	56.95	4491	67.00	613	78.00	439

Scan 168 (3.777 min): 03547.D

Modified:added subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.95	5675	94.00	15398	117.90	415	160.90	116
79.90	1526	95.05	115792	118.90	627	169.65	108
80.90	6611	96.05	7431	127.90	138	171.65	150
81.90	1206	96.95	125	129.90	282	171.95	133
86.05	162	103.90	589	134.90	257	172.25	178
87.00	5927	105.85	623	136.90	155	172.55	142
87.90	4969	106.75	102	140.90	741	173.95	69184
90.55	136	112.90	262	142.90	1033	174.95	4896
91.00	700	114.85	104	146.90	164	175.95	66720
92.00	4683	116.00	453	147.95	253	176.95	4657
92.95	4929	116.90	928	155.00	276	207.05	110

Scan 168 (3.777 min): 03547.D

Modified:added subtracted

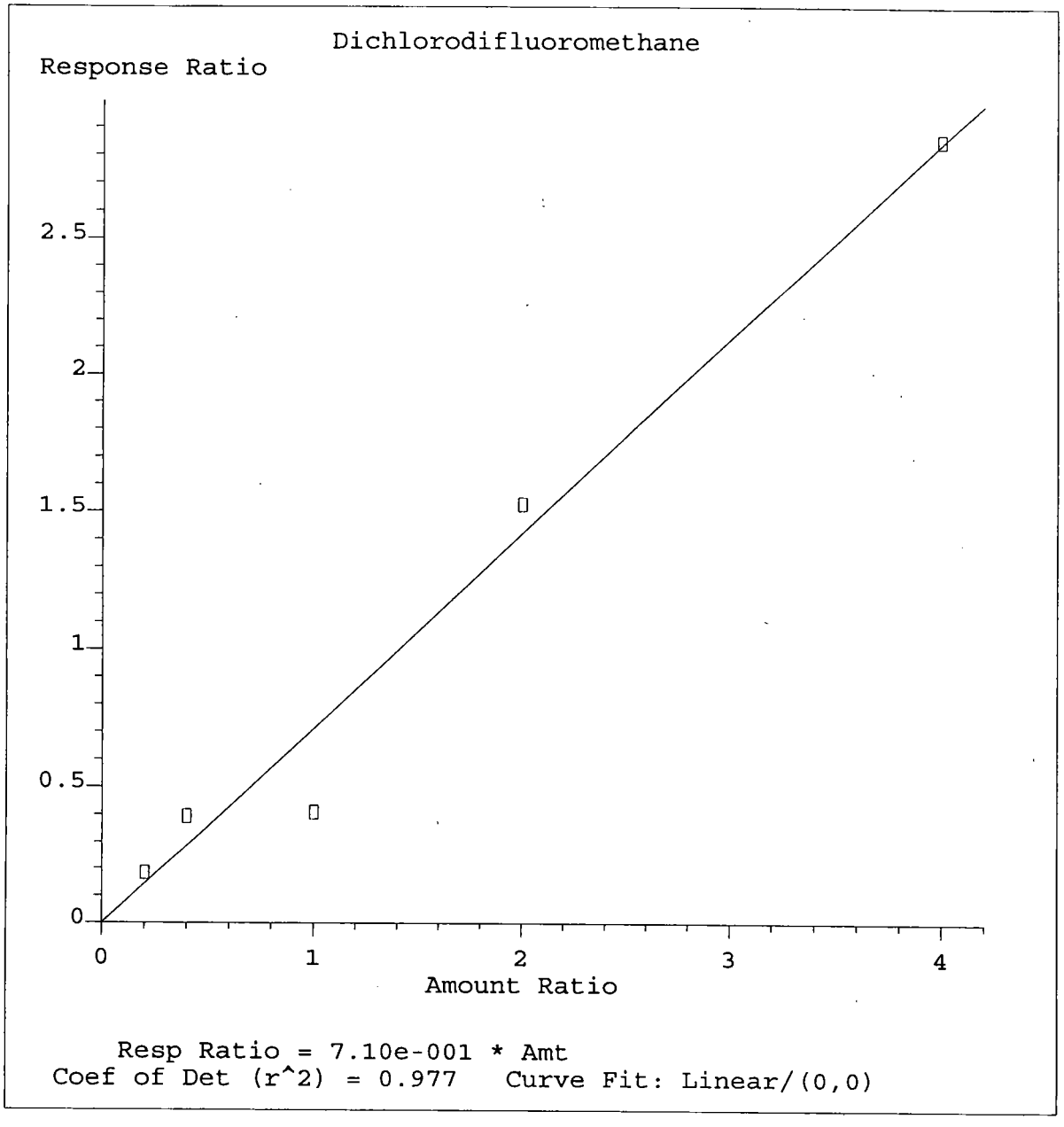
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
208.05	114						

Response Factor Report VOA8

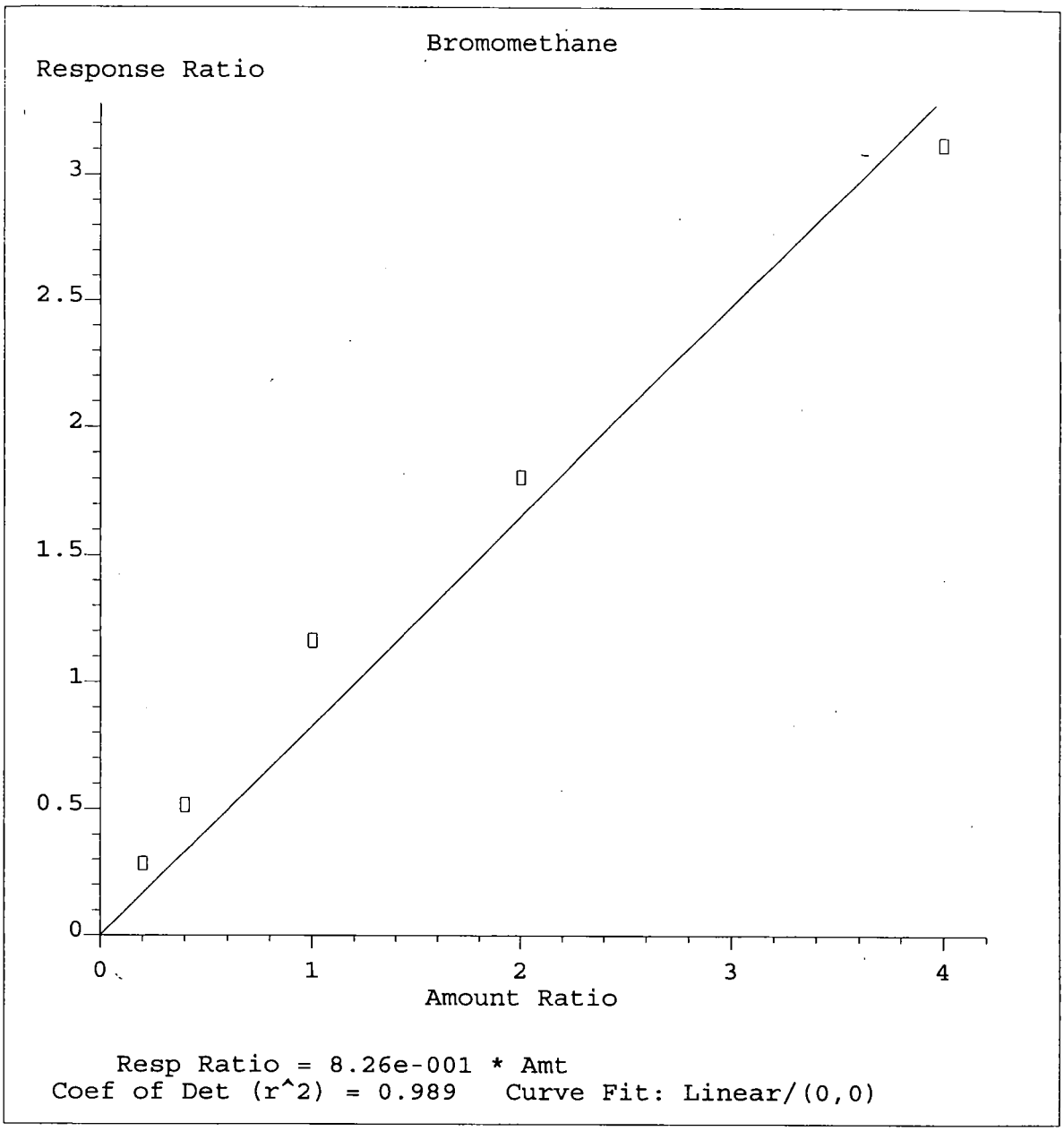
Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Initial Calibration

Calibration Files
10 =03552.D 20 =03553.D 50 =03554.D
100 =03555.D 200 =03556.D

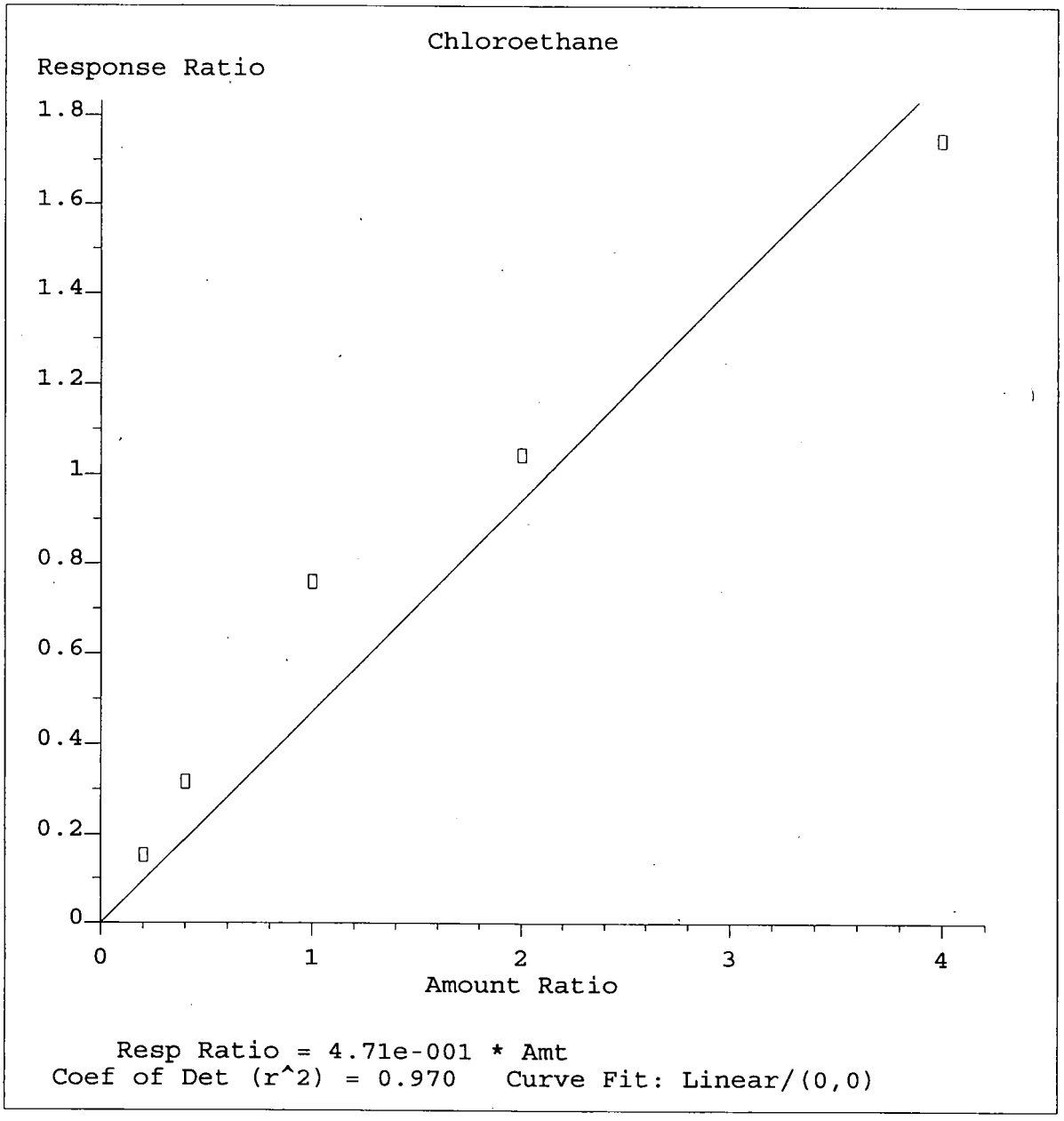
		Compound	10	20	50	100	200	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluorometha	0.917	0.981	0.408	0.763	0.713	0.756	29.53
3)	TP	Chloromethane	1.152	1.052	0.965	0.869	0.903	0.988	11.64#
4)	TC	Vinyl Chloride	1.052	1.055	0.805	0.809	0.809	0.906	14.86
5)	T	Bromomethane	1.416	1.286	1.162	0.903	0.780	1.109	23.82
6)	T	Chloroethane	0.759	0.791	0.760	0.521	0.436	0.653	24.90
7)	T	Trichlorofluoromethan	1.124	1.211	0.697	1.069	1.126	1.046	19.25
8)	TC	1,1-Dichloroethene	0.615	0.642	0.510	0.558	0.585	0.582	8.77
9)	T	Acrolein	0.129	0.132	0.112	0.115	0.128	0.123	7.38
10)	T	Iodomethane	0.616	0.777	0.765	0.726	0.665	0.710	9.60
11)	T	Acetone	0.313	0.552	0.210	0.193	0.200	0.293	51.90
12)	T	Carbon Disulfide	2.601	2.639	2.266	2.284	2.309	2.420	7.60
13)	T	Acetonitrile	0.255	0.257	0.231	0.224	0.237	0.241	6.10
14)	T	3-Chloropropene	0.482	0.472	0.436	0.420	0.435	0.449	5.95
15)	T	112-Trichl-122-Trifl-	0.603	0.591	0.419	0.603	0.597	0.563	14.26
16)	T	Methylene Chloride	0.845	0.906	0.815	0.759	0.766	0.818	7.41
17)	T	Acrylonitrile	0.226	0.218	0.190	0.192	0.226	0.210	8.59
18)	T	trans-1,2-Dichloroeth	0.685	0.696	0.618	0.616	0.663	0.655	5.68
19)	TP	1,1-Dichloroethane	1.447	1.429	1.340	1.244	1.302	1.352	6.32#
20)	T	Chloroprene	1.292	1.414	1.242	1.332	1.316	1.319	4.79
21)	T	Vinyl Acetate	0.781	1.230	1.205	1.231	1.339	1.157	18.74
22)	T	2,2-Dichloropropane	1.099	1.151	1.069	1.083	1.120	1.104	2.93
23)	T	cis-1,2-Dichloroethen	1.325	1.356	1.291	1.283	1.308	1.312	2.21
24)	T	2-Butanone	0.078	0.074	0.062	0.064	0.065	0.069	10.32
25)	T	Propionitrile	0.085	0.085	0.072	0.076	0.086	0.081	7.75
26)	T	Bromochloromethane	0.336	0.366	0.338	0.334	0.354	0.346	4.02
27)	T	Methacrylonitrile	0.528	0.560	0.489	0.486	0.543	0.521	6.27
28)	TC	Chloroform	1.582	1.444	1.355	1.344	1.338	1.413	7.34
29)	T	1,1,1-Trichloroethane	1.013	1.070	0.939	0.999	1.038	1.012	4.83
30)	I	1,4-Difluorobenzene	----------ISTD----------						
31)	S	1,2-Dichloroethane-d4	0.461	0.463	0.427	0.439	0.459	0.450	3.58
32)	S	Dibromofluoromethane	0.296	0.318	0.299	0.327	0.345	0.317	6.42
33)	T	Isobutanol	0.012	0.012	0.011	0.012	0.014	0.012	8.37
34)	T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.003	0.003	13.36
35)	T	1,2-Dichloroethane	0.579	0.604	0.583	0.578	0.611	0.591	2.58
36)	T	Carbon Tetrachloride	0.401	0.431	0.354	0.425	0.448	0.412	8.84
37)	T	1,1-Dichloropropene	0.571	0.603	0.522	0.600	0.622	0.584	6.69
38)	T	Benzene	1.615	1.667	1.703	1.708	1.773	1.693	3.43
39)	T	Trichloroethene	0.345	0.327	0.310	0.328	0.357	0.333	5.49
40)	T	Dibromomethane	0.223	0.222	0.204	0.206	0.227	0.216	4.88
41)	TC	1,2-Dichloropropane	0.435	0.443	0.424	0.426	0.459	0.438	3.30
42)	T	Methyl Methacrylate	0.206	0.209	0.197	0.207	0.245	0.213	8.72
43)	T	Bromodichloromethane	0.538	0.522	0.496	0.492	0.522	0.514	3.77
44)	T	2-Chloroethyl-vinyl-e	0.0	0.000	0.000	0.000	0.000	0.000	0.00
45)	T	cis-1,3-Dichloroprope	0.598	0.614	0.600	0.627	0.683	0.624	5.57
46)	T	4-Methyl-2-pentanone	0.319	0.319	0.289	0.318	0.367	0.322	8.65
47)	S	Toluene-d8	1.189	1.276	1.293	1.419	1.382	1.312	6.93
48)	TC	Toluene	1.596	1.696	1.732	1.829	1.895	1.750	6.66



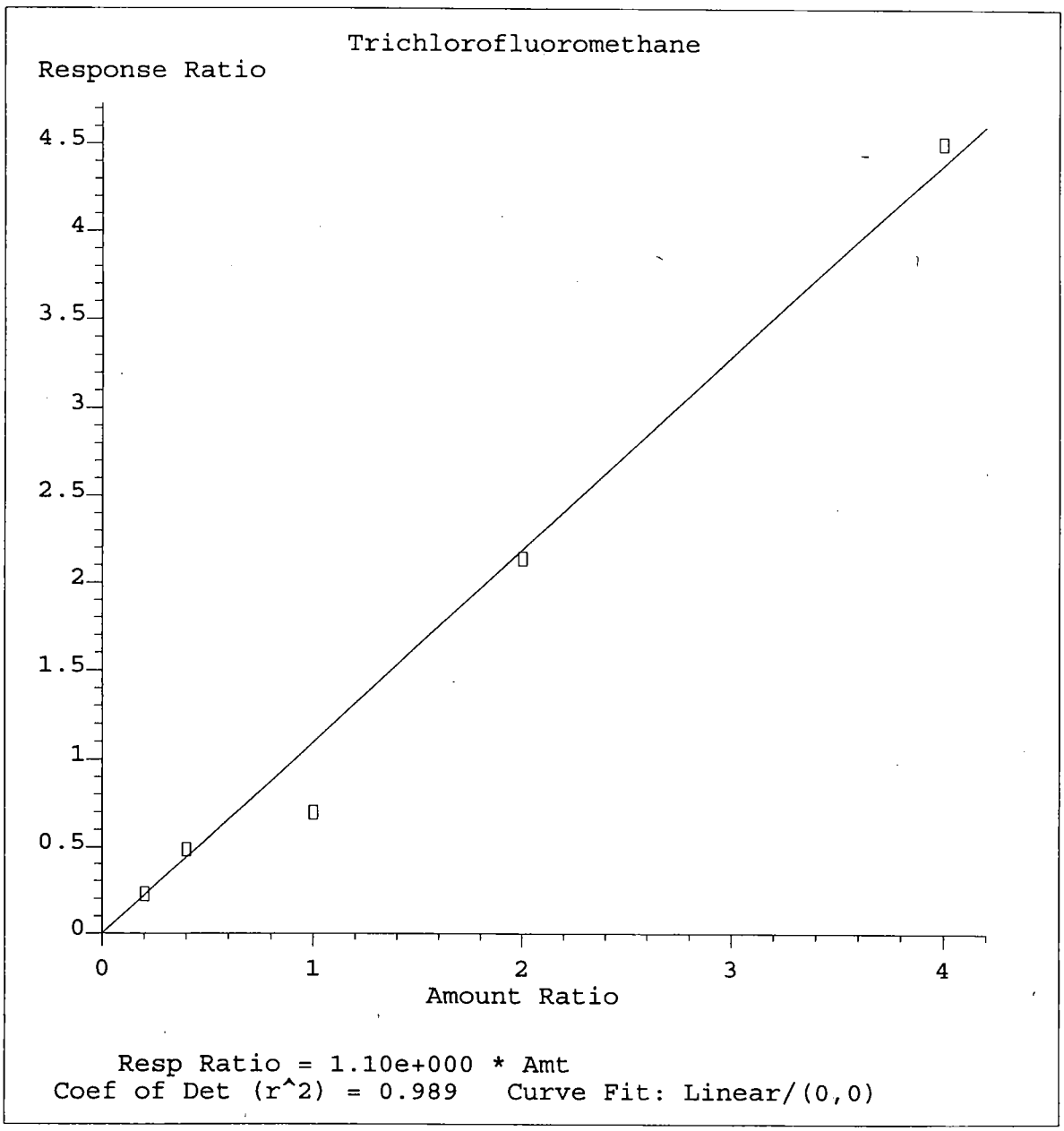
Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



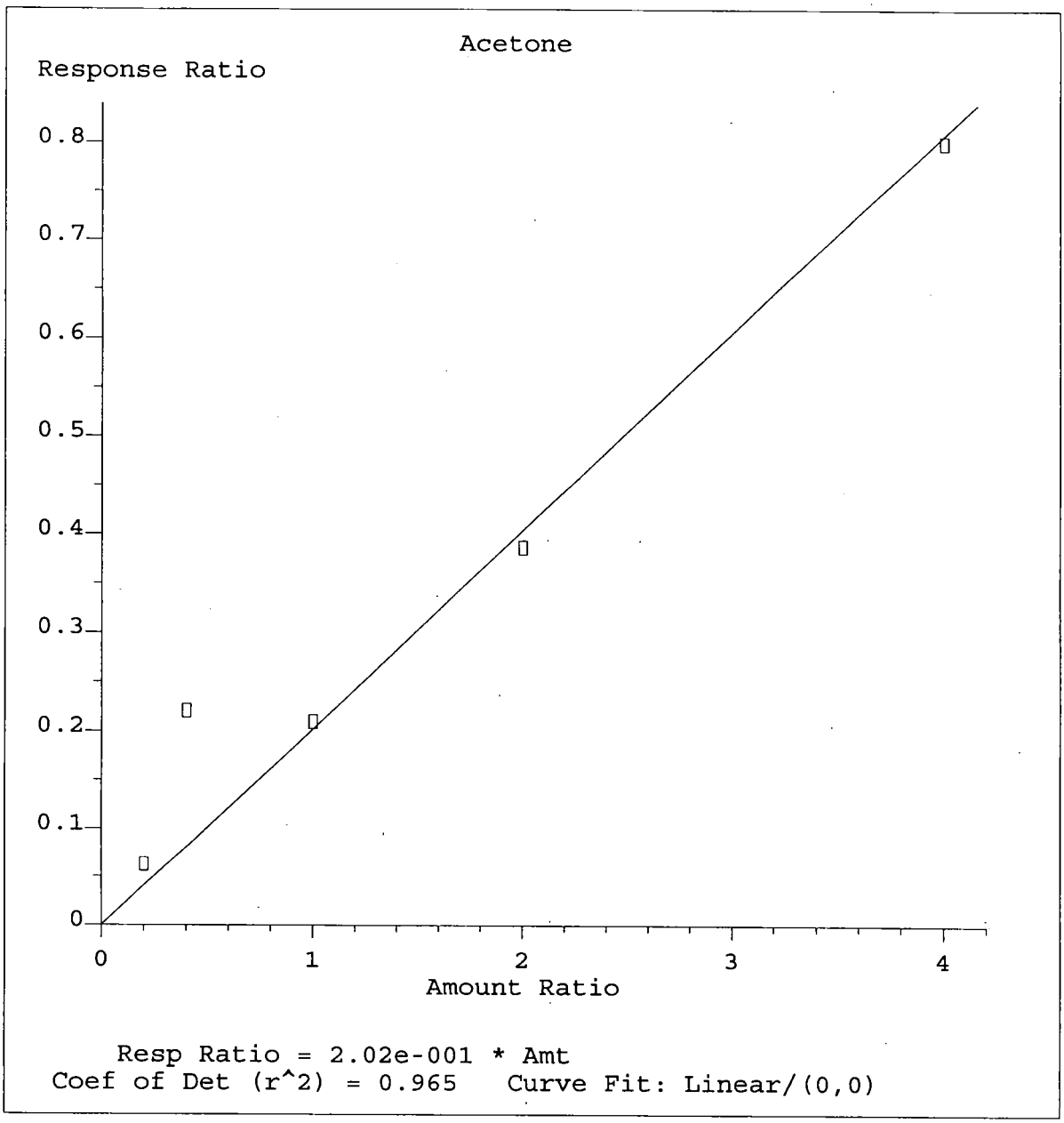
Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



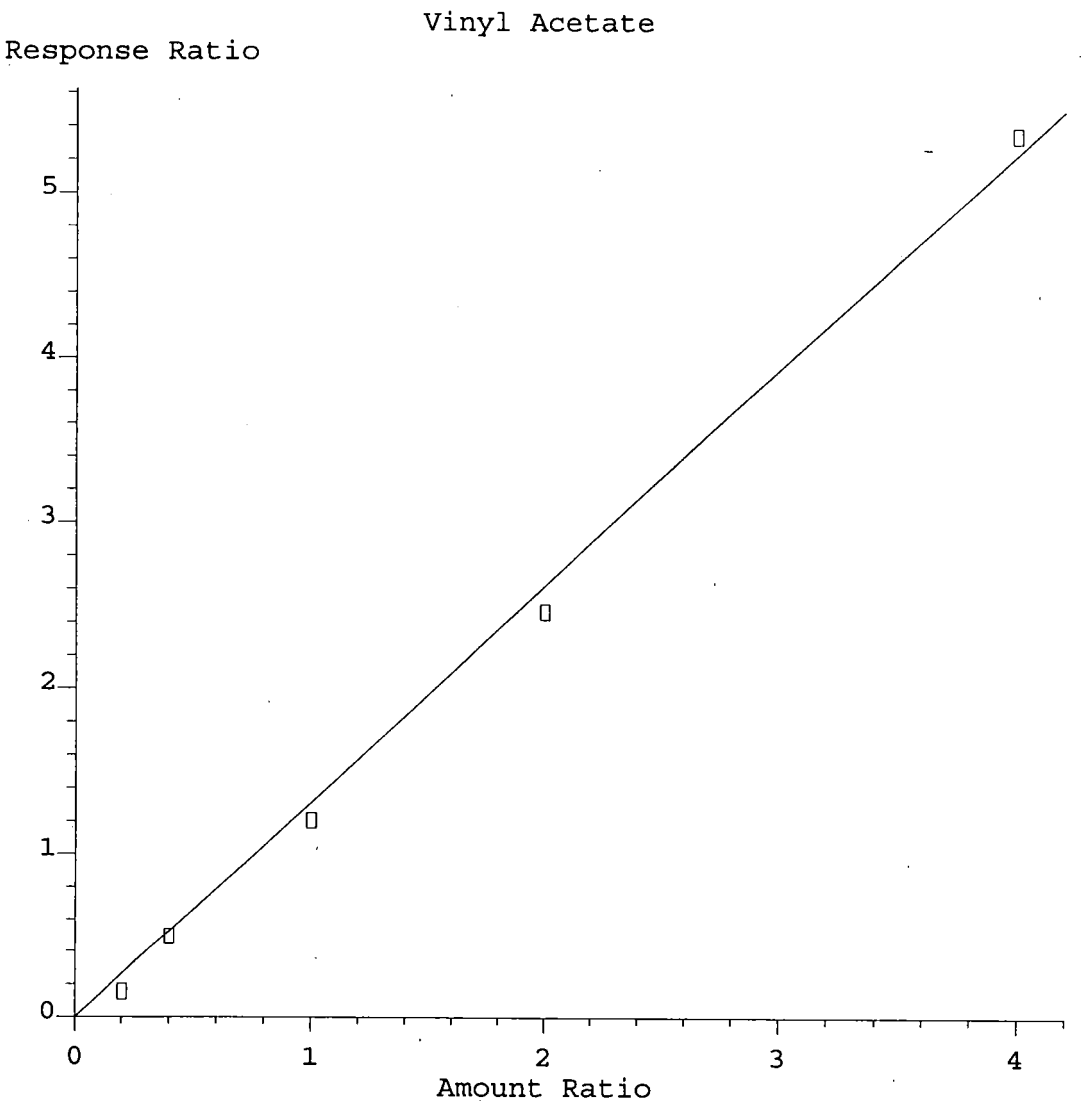
Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998

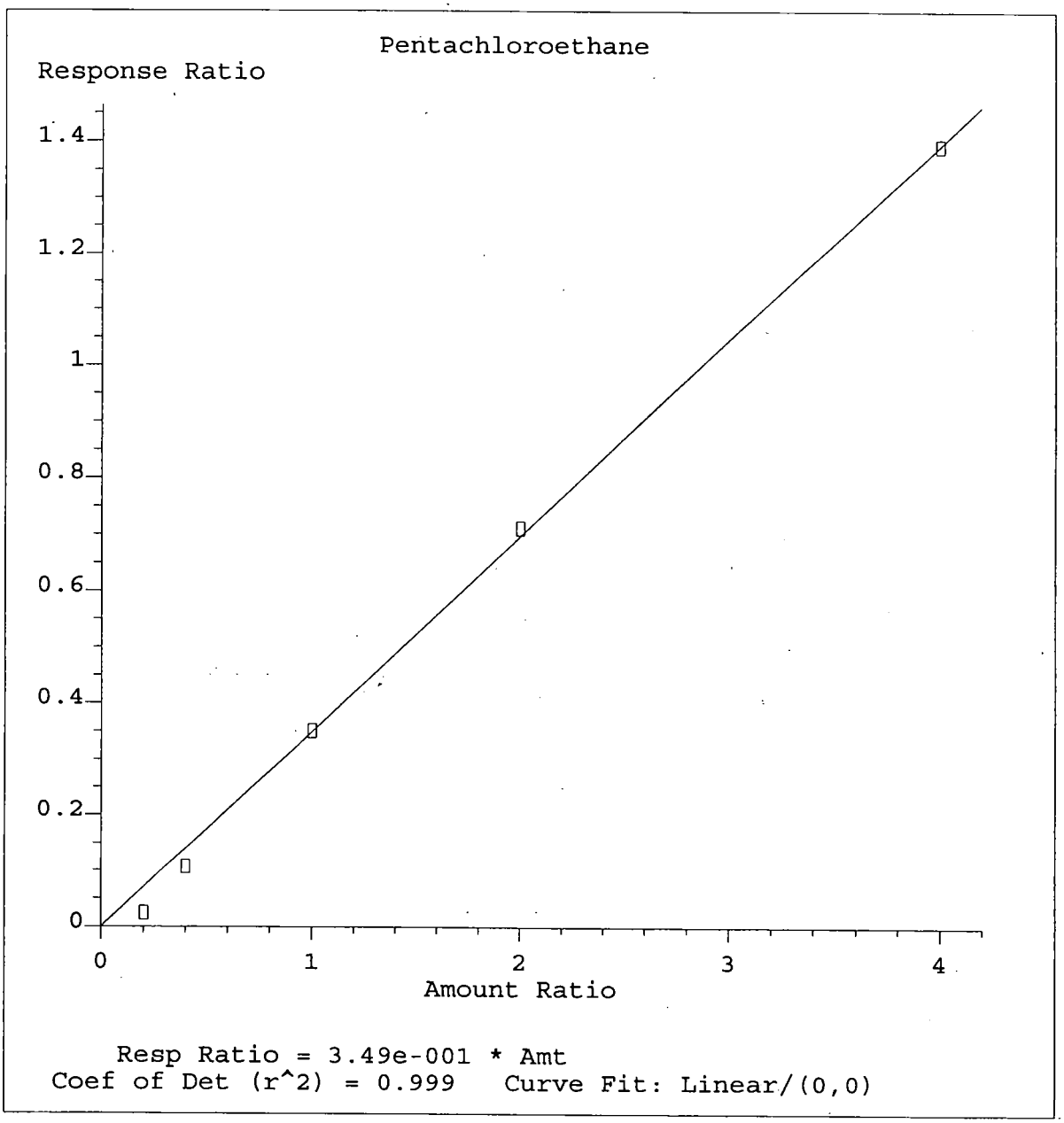


Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



Resp Ratio = 1.31e+000 * Amt
Coef of Det (r^2) = 0.999 Curve Fit: Linear/(0,0)

Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	618814	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1209168	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.74	1104	1052584	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	498107	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.26	574	111576	10.25	ug/L	20.50%
32) Dibromofluoromethane	6.77	527	71594	9.33	ug/L	18.66%
47) Toluene-d8	10.36	874	287591	9.07	ug/L	18.13%
51) Bromofluorobenzene	14.77	1300	108974	9.08	ug/L	18.17%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	31	113452	12.90	ug/L	99
3) Chloromethane	1.82	48	142552	11.66	ug/L	100
4) Vinyl Chloride	1.92	58	130238	11.61	ug/L	100
5) Bromomethane	2.24	89	175287	17.14	ug/L	94
6) Chloroethane	2.38	102	93934	16.12	ug/L	94
7) Trichlorofluoromethane	2.67	130	139135	10.26	ug/L	97
8) 1,1-Dichloroethene	3.29	190	76082	10.56	ug/L	97
9) Acrolein	3.15	177	15968	10.48	ug/L	94
10) Iodomethane	3.47	208	76267	8.68	ug/L	97
11) Acetone	3.37	198	38706	15.47	ug/L	99
12) Carbon Disulfide	3.55	215	321936	10.75	ug/L	100
13) Acetonitrile	3.78	238	315608	105.91	ug/L	100
14) 3-Chloropropene	3.78	238	59695	10.74	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.33	194	74572	10.71	ug/L	100
16) Methylene Chloride	3.98	257	104578	10.33	ug/L	98
17) Acrylonitrile	4.35	293	27956	10.74	ug/L	97
18) trans-1,2-Dichloroethene	4.43	300	84742	10.45	ug/L	96
19) 1,1-Dichloroethane	5.07	362	179091	10.70	ug/L	98
20) Chloroprene	5.22	377	159939	9.80	ug/L	99
21) Vinyl Acetate	5.22	377	96601	5.96	ug/L	97
22) 2,2-Dichloropropane	5.99	451	135963	9.95	ug/L	99
23) cis-1,2-Dichloroethene	6.00	452	163929	10.09	ug/L	100
24) 2-Butanone	6.04	456	9653	11.36	ug/L	88
25) Propionitrile	6.10	462	105194	105.39	ug/L	97
26) Bromochloromethane	6.36	487	41640	9.73	ug/L	97
27) Methacrylonitrile	6.35	486	652938	101.21	ug/L	99
28) Chloroform	6.54	504	195739	11.20	ug/L	99
29) 1,1,1-Trichloroethane	6.79	528	125321	10.01	ug/L	97
33) Isobutanol	7.40	587	59063	199.53	ug/L #	96
34) 1,4-Dioxane	9.02	744	12252	190.51	ug/L #	83
35) 1,2-Dichloroethane	7.39	586	140142	9.81	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc Unit	Qvalue
36)	Carbon Tetrachloride	7.05	554	96949	9.74 ug/L	98
37)	1,1-Dichloropropene	7.05	554	138132	9.79 ug/L	99
38)	Benzene	7.36	584	390630	9.54 ug/L	100
39)	Trichloroethene	8.42	686	83386	10.34 ug/L	99
40)	Dibromomethane	8.92	734	53938	10.31 ug/L	96
41)	1,2-Dichloropropane	8.74	717	105242	9.95 ug/L	98
42)	Methyl Methacrylate	9.03	745	49913	9.70 ug/L	97
43)	Bromodichloromethane	9.22	763	130057	10.47 ug/L	100
44)	2-Chloroethyl-vinyl-ether	0.00			Not Detected	
45)	cis-1,3-Dichloropropene	9.94	833	144517	9.57 ug/L	99
46)	4-Methyl-2-pentanone	10.22	860	77038	9.89 ug/L	99
48)	Toluene	10.47	884	385898	9.12 ug/L	100
49)	trans-1,3-Dichloropropene	10.86	922	122451	9.41 ug/L	100
50)	1,1,2-Trichloroethane	11.14	949	66533	9.89 ug/L	88
53)	Dibromoethane	11.92	1024	63040	10.22 ug/L #	96
54)	Ethyl Methacrylate	11.09	944	96581	9.07 ug/L #	99
55)	Tetrachloroethene	11.38	972	84541	11.57 ug/L	99
56)	1,3-Dichloropropane	11.40	974	136170	9.77 ug/L	100
57)	2-Hexanone	11.61	994	50679	10.00 ug/L	98
58)	Dibromochloromethane	11.77	1010	70932	10.09 ug/L	99
59)	Chlorobenzene	12.79	1108	217257	9.53 ug/L	100
60)	1,1,1,2-Tetrachloroethane	12.94	1123	66118	9.57 ug/L	99
61)	Ethylbenzene	13.01	1130	109503	8.98 ug/L	98
62)	Meta + Para Xylene	13.22	1150	291411	17.45 ug/L	99
63)	Ortho Xylene	13.89	1215	133714	8.69 ug/L	100
64)	Xylene (total)	13.22	1150	425495	26.15 ug/L m	98
65)	Styrene	13.91	1217	246787	8.53 ug/L	98
67)	Bromoform	14.17	1242	39197	10.97 ug/L	97
68)	Isopropylbenzene	14.54	1278	346659	9.56 ug/L	99
69)	Bromobenzene	15.00	1322	76285	10.01 ug/L	98
70)	1,1,2,2-Tetrachloroethane	15.07	1329	73237	10.39 ug/L	100
71)	1,2,3-Trichloropropane	15.11	1333	22649	11.47 ug/L	93
72)	trans-1,4-dichloro-2-buten	15.16	1338	28198	10.79 ug/L	98
73)	n-Propylbenzene	15.27	1348	475763	9.80 ug/L	100
74)	2-Chlorotoluene	15.37	1358	280050	9.87 ug/L	99
75)	4-Chlorotoluene	15.57	1377	323987	9.68 ug/L	100
76)	1,3,5-Trimethylbenzene	15.60	1380	296604	9.54 ug/L	99
77)	tert-Butylbenzene	16.16	1434	228061	8.81 ug/L	91
78)	Pentachloroethane	16.15	1433	12084	3.48 ug/L #	90
79)	1,2,4-Trimethylbenzene	16.24	1442	294650	9.58 ug/L	98
80)	sec-Butylbenzene	16.55	1472	368112	9.35 ug/L	100
81)	1,3-Dichlorobenzene	16.69	1485	150227	9.98 ug/L	99
82)	p-Isopropyltoluene	16.83	1499	325259	9.68 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc	Unit	Qvalue
83) 1,4-Dichlorobenzene	16.84	1500	170019	9.79	ug/L	97
84) 1,2-Dichlorobenzene	17.48	1562	131592	9.85	ug/L	98
85) n-Butylbenzene	17.55	1569	332742	9.32	ug/L	99
86) DBCP	18.87	1696	14810	11.67	ug/L	95
87) 1,2,4-Trichlorobenzene	20.39	1843	71097	9.34	ug/L	98
88) Hexachlorobutadiene	20.76	1879	27789	8.79	ug/L	99
89) Naphthalene	20.79	1882	176695	10.32	ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	65227	9.73	ug/L	100

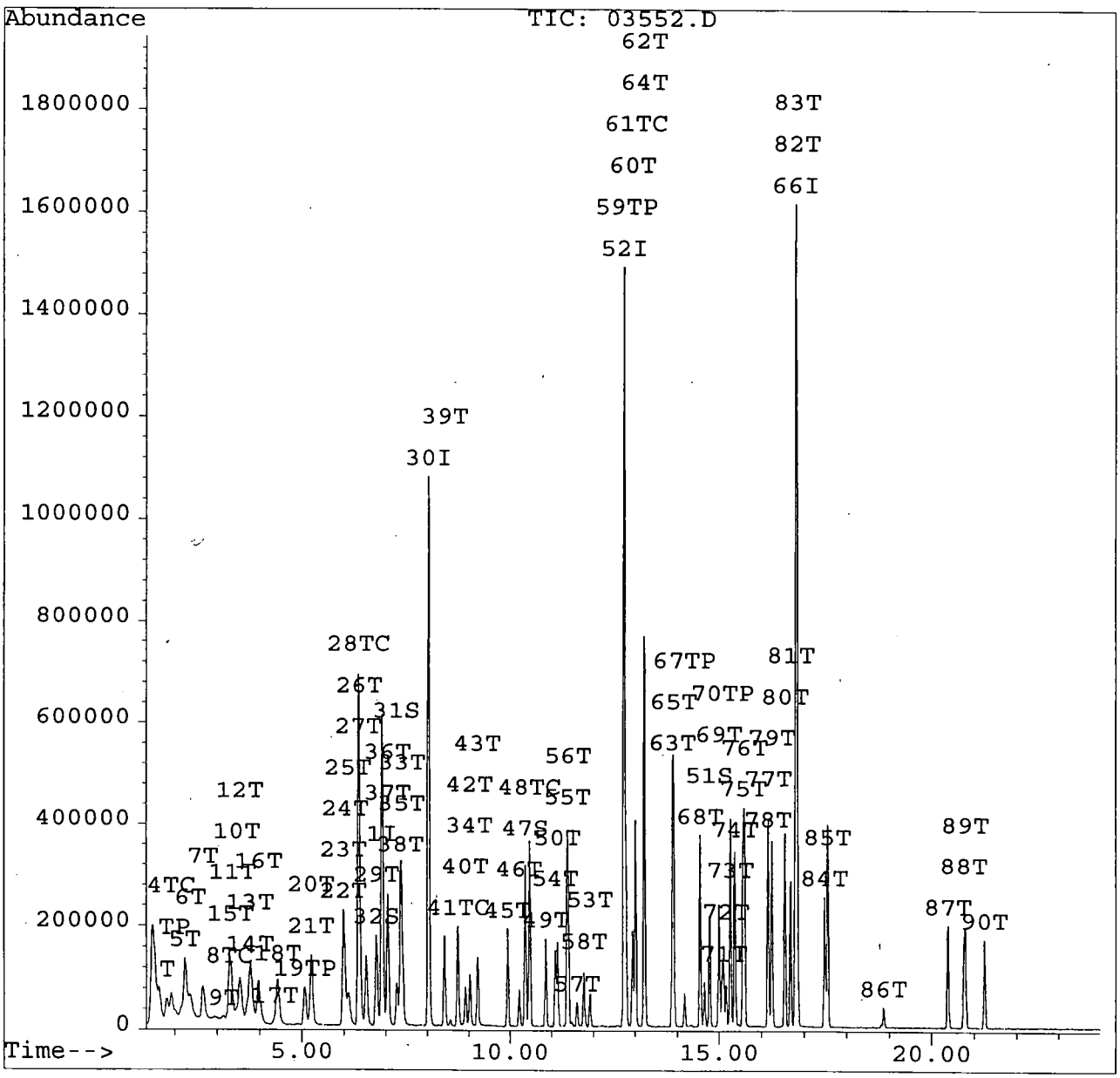
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

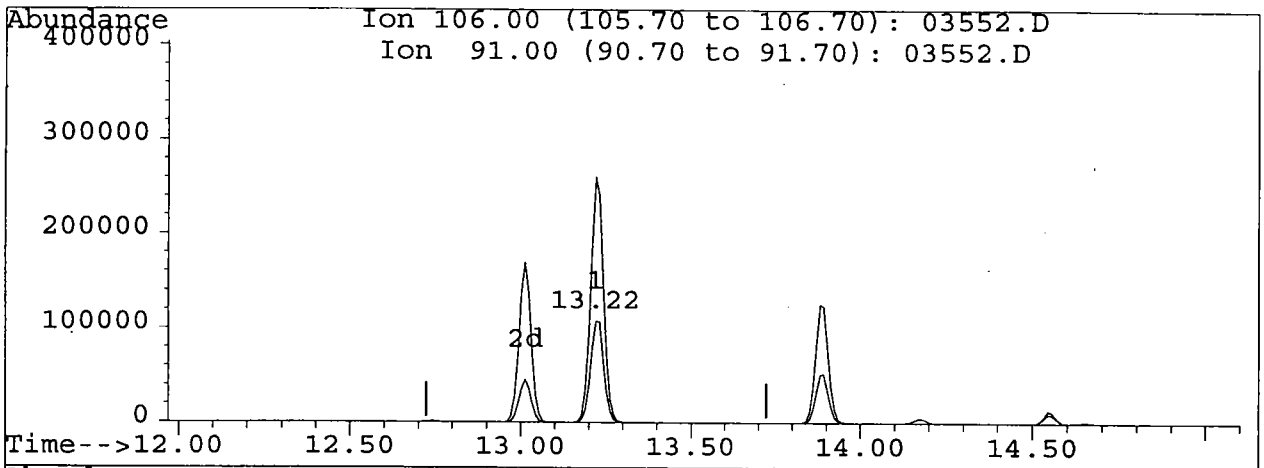


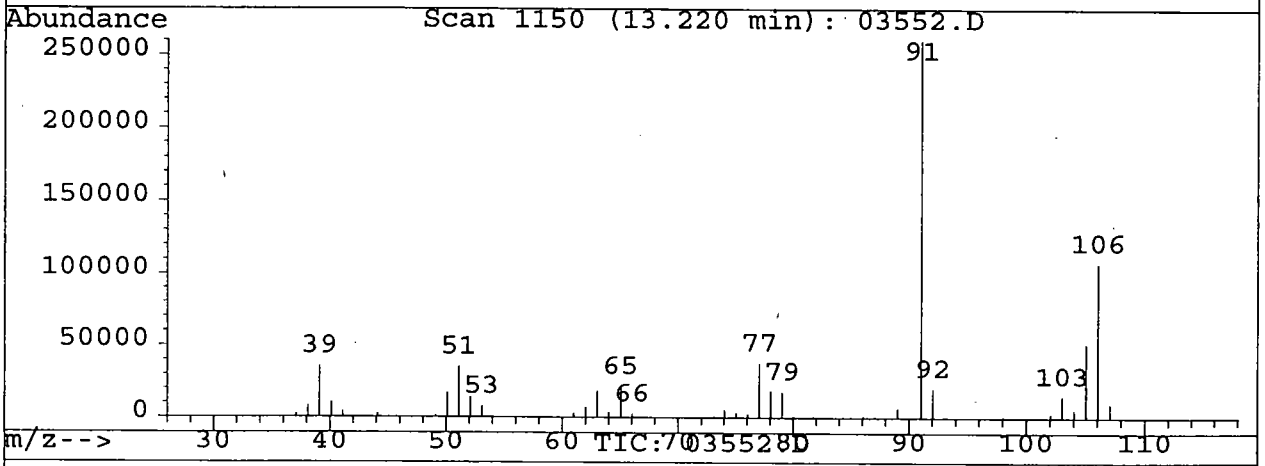
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03552.D
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.22min 26.15ug/L m
response 425495

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	242.35
0.00	0.00	0.00
0.00	0.00	0.00

03552.D W8260ALL.M Fri Apr 24 15:24:55 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	603106	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1199503	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.74	1104	1055271	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	522919	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	222359	20.60	ug/L	41.19%
32) Dibromofluoromethane	6.78	527	152672	20.06	ug/L	40.12%
47) Toluene-d8	10.37	874	612407	19.46	ug/L	38.92%
51) Bromofluorobenzene	14.77	1300	226439	19.03	ug/L	38.05%
Target Compounds						**Qvalue**
2) Dichlorodifluoromethane	1.64	31	236642	27.62	ug/L	99
3) Chloromethane	1.81	47	253892	21.30	ug/L	100
4) Vinyl Chloride	1.92	58	254467	23.28	ug/L	100
5) Bromomethane	2.24	89	310251	31.13	ug/L	98
6) Chloroethane	2.36	100	190810	33.59	ug/L	99
7) Trichlorofluoromethane	2.67	130	292211	22.11	ug/L	100
8) 1,1-Dichloroethene	3.29	190	154967	22.07	ug/L	98
9) Acrolein	3.14	176	31876	21.46	ug/L	98
10) Iodomethane	3.47	207	187453	21.89	ug/L	99
11) Acetone	3.37	198	133054	54.58	ug/L	100
12) Carbon Disulfide	3.55	215	636548	21.81	ug/L	99
13) Acetonitrile	3.79	238	620353	213.60	ug/L	100
14) 3-Chloropropene	3.80	239	113927	21.03	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.33	194	142575	21.00	ug/L	99
16) Methylene Chloride	3.98	257	218638	22.15	ug/L	98
17) Acrylonitrile	4.35	293	52689	20.77	ug/L m	1
18) trans-1,2-Dichloroethene	4.42	299	167890	21.24	ug/L	100
19) 1,1-Dichloroethane	5.07	362	344713	21.13	ug/L	98
20) Chloroprene	5.22	377	341216	21.44	ug/L	99
21) Vinyl Acetate	5.21	376	296836	18.78	ug/L	100
22) 2,2-Dichloropropane	5.98	450	277696	20.85	ug/L	99
23) cis-1,2-Dichloroethene	6.00	452	327008	20.66	ug/L	99
24) 2-Butanone	6.05	457	17909	21.63	ug/L	99
25) Propionitrile	6.10	462	204292	210.01	ug/L	98
26) Bromochloromethane	6.36	487	88280	21.17	ug/L	99
27) Methacrylonitrile	6.35	486	1351524	214.95	ug/L	99
28) Chloroform	6.54	504	348267	20.44	ug/L	100
29) 1,1,1-Trichloroethane	6.79	528	258238	21.16	ug/L	100
33) Isobutanol	7.42	589	112908	384.51	ug/L #	97
34) 1,4-Dioxane	9.00	742	25073	393.02	ug/L #	91
35) 1,2-Dichloroethane	7.39	586	289829	20.45	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
36)	Carbon Tetrachloride	7.05	554	206839	20.94	ug/L		99
37)	1,1-Dichloropropene	7.05	554	289356	20.67	ug/L		98
38)	Benzene	7.37	584	799697	19.69	ug/L		100
39)	Trichloroethene	8.41	685	156911	19.61	ug/L		98
40)	Dibromomethane	8.92	734	106298	20.48	ug/L		98
41)	1,2-Dichloropropane	8.74	717	212480	20.24	ug/L		99
42)	Methyl Methacrylate	9.03	745	100301	19.65	ug/L		95
43)	Bromodichloromethane	9.22	763	250427	20.32	ug/L		99
44)	2-Chloroethyl-vinyl-ether	9.95	834	2081	50.04	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.94	833	294633	19.67	ug/L		100
46)	4-Methyl-2-pentanone	10.22	860	153240	19.82	ug/L		99
48)	Toluene	10.47	884	813651	19.39	ug/L		100
49)	trans-1,3-Dichloropropene	10.86	922	254593	19.72	ug/L		100
50)	1,1,2-Trichloroethane	11.14	949	131581	19.71	ug/L		99
53)	Dibromoethane	11.92	1024	123925	20.04	ug/L		100
54)	Ethyl Methacrylate	11.09	944	205258	19.23	ug/L	#	99
55)	Tetrachloroethene	11.38	972	146445	20.00	ug/L		98
56)	1,3-Dichloropropane	11.40	974	275165	19.68	ug/L		97
57)	2-Hexanone	11.61	994	99821	19.65	ug/L		99
58)	Dibromochloromethane	11.77	1010	139846	19.84	ug/L		100
59)	Chlorobenzene	12.79	1108	449721	19.68	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.94	1123	137726	19.89	ug/L		99
61)	Ethylbenzene	13.01	1130	240034	19.62	ug/L		97
62)	Meta + Para Xylene	13.22	1150	644012	38.46	ug/L		99
63)	Ortho Xylene	13.89	1215	294832	19.12	ug/L		100
64)	Xylene (total)	13.22	1150	939526	57.59	ug/L	m	98
65)	Styrene	13.91	1217	569554	19.65	ug/L		99
67)	Bromoform	14.18	1243	75869	20.23	ug/L		98
68)	Isopropylbenzene	14.55	1278	763872	20.07	ug/L		99
69)	Bromobenzene	15.00	1322	160183	20.02	ug/L		99
70)	1,1,2,2-Tetrachloroethane	15.07	1329	160316	21.66	ug/L		100
71)	1,2,3-Trichloropropane	15.10	1332	43645	21.06	ug/L		100
72)	trans-1,4-dichloro-2-buten	15.17	1338	56465	20.59	ug/L		98
73)	n-Propylbenzene	15.27	1348	1040502	20.42	ug/L		100
74)	2-Chlorotoluene	15.37	1358	605784	20.34	ug/L		99
75)	4-Chlorotoluene	15.57	1377	712955	20.29	ug/L		99
76)	1,3,5-Trimethylbenzene	15.60	1380	665625	20.40	ug/L		100
77)	tert-Butylbenzene	16.16	1434	549613	20.22	ug/L		96
78)	Pentachloroethane	16.15	1433	55444	15.20	ug/L		96
79)	1,2,4-Trimethylbenzene	16.24	1442	653612	20.23	ug/L		99
80)	sec-Butylbenzene	16.55	1472	855481	20.70	ug/L		100
81)	1,3-Dichlorobenzene	16.69	1485	315970	19.99	ug/L		100
82)	p-Isopropyltoluene	16.83	1499	725078	20.56	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit	Qvalue
83)	1,4-Dichlorobenzene	16.84	1500	375190	20.58	ug/L	98
84)	1,2-Dichlorobenzene	17.48	1562	285110	20.33	ug/L	100
85)	n-Butylbenzene	17.56	1569	782760	20.88	ug/L	100
86)	DBCP	18.87	1696	28879	21.67	ug/L	96
87)	1,2,4-Trichlorobenzene	20.39	1843	158784	19.87	ug/L	100
88)	Hexachlorobutadiene	20.76	1879	68808	20.73	ug/L	99
89)	Naphthalene	20.79	1882	360612	20.06	ug/L	100
90)	1,2,3-Trichlorobenzene	21.25	1926	142986	20.32	ug/L	100

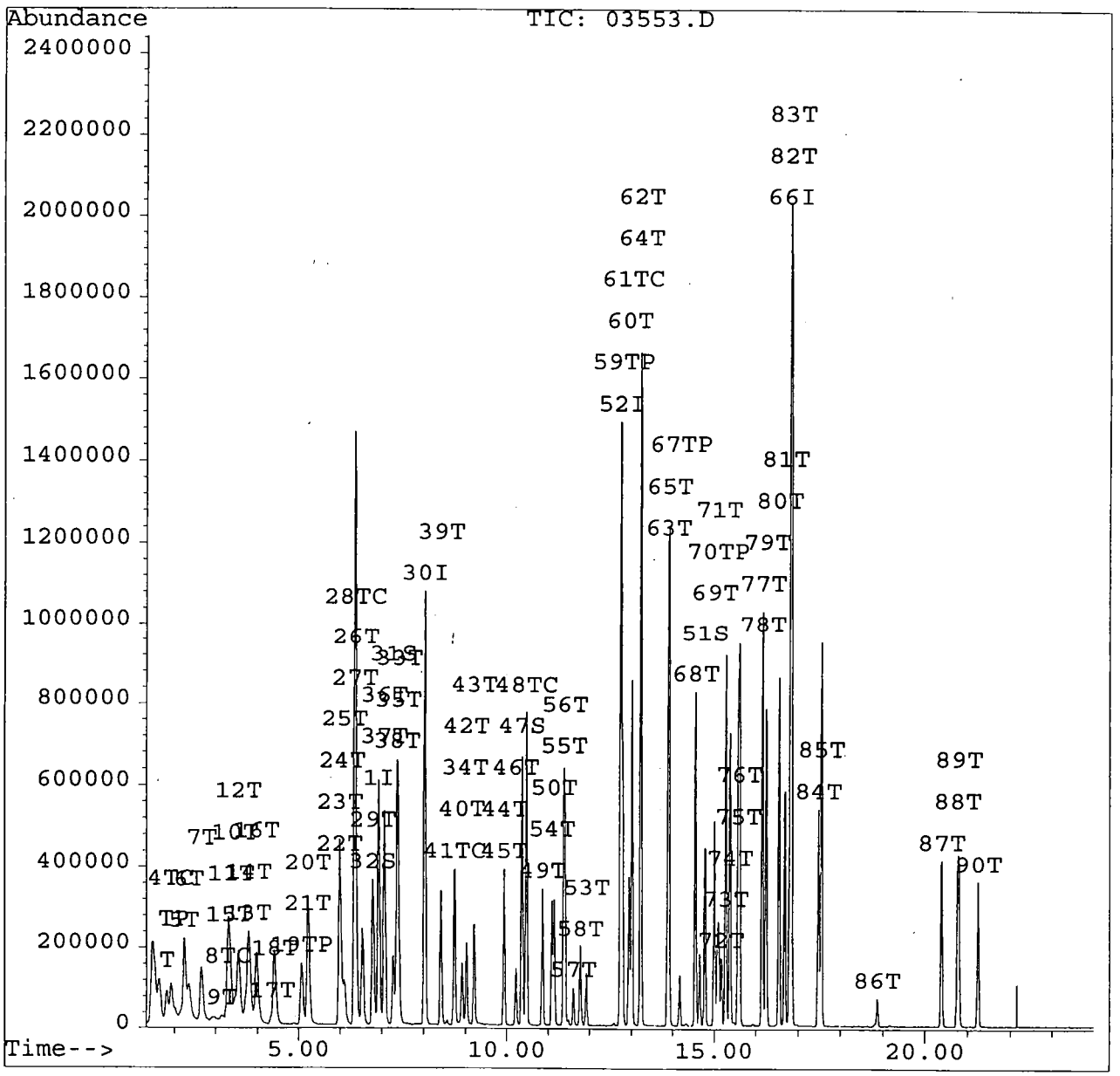
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

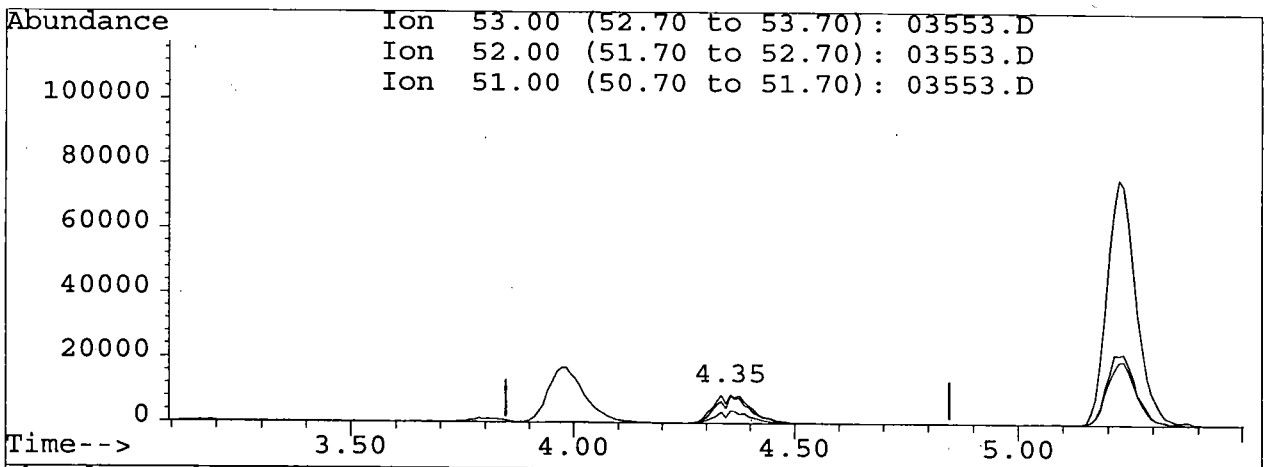


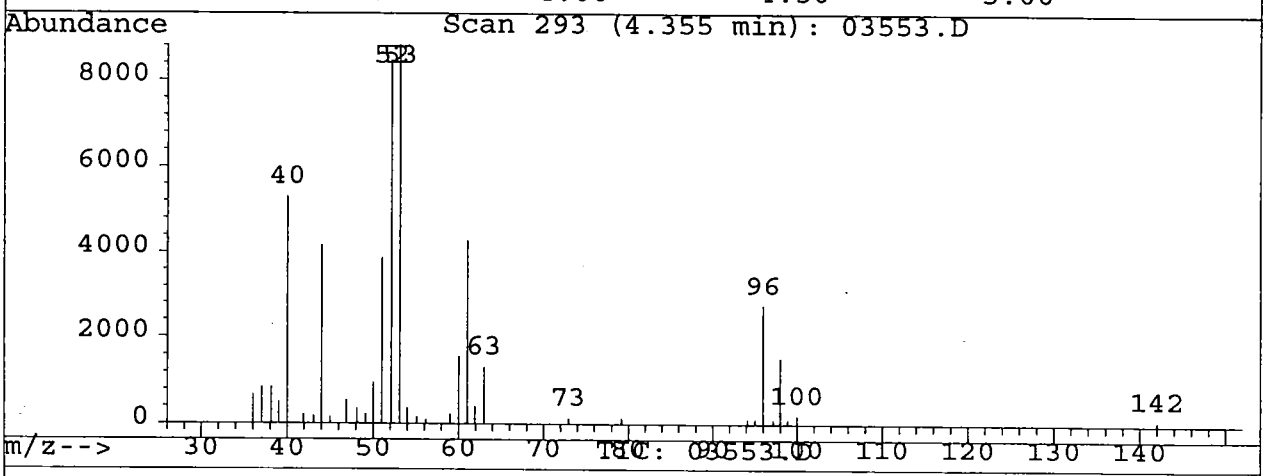
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03553.D
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(17) Acrylonitrile (T)
4.35min 20.77ug/L m
response 52689

Ion	Exp%	Act%
53.00	100	100
52.00	83.90	96.15
51.00	37.20	43.93
0.00	0.00	0.00

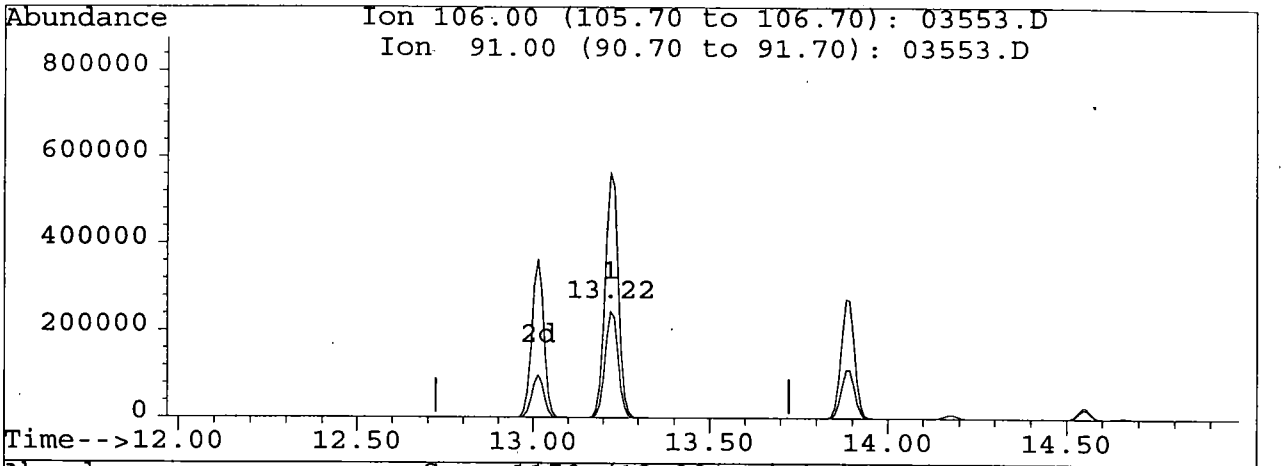
03553.D W8260ALL.M Fri Apr 24 15:25:20 1998 RP1

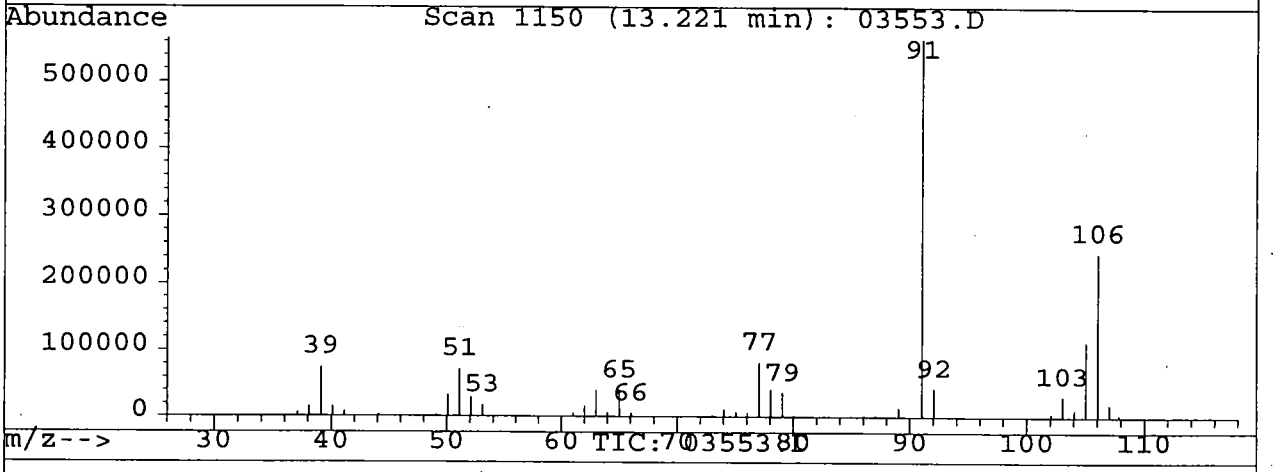
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03553.D
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.22min 57.59ug/L m
response 939526

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	229.79
0.00	0.00	0.00
0.00	0.00	0.00

03553.D W8260ALL.M Fri Apr 24 15:25:37 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	664756	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1283524	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	1125966	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	598118	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.26	574	548160	47.45	ug/L	94.90%
32) Dibromofluoromethane	6.78	527	384110	47.17	ug/L	94.33%
47) Toluene-d8	10.37	874	1659361	49.28	ug/L	98.55%
51) Bromofluorobenzene	14.77	1300	613807	48.20	ug/L	96.40%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	30	271121	28.71	ug/L	100
3) Chloromethane	1.81	47	641562	48.83	ug/L	100
4) Vinyl Chloride	1.93	58	535428	44.45	ug/L	100
5) Bromomethane	2.24	88	772693	70.35	ug/L	100
6) Chloroethane	2.35	99	505018	80.67	ug/L	100
7) Trichlorofluoromethane	2.65	128	463504	31.82	ug/L	100
8) 1,1-Dichloroethene	3.28	189	339250	43.84	ug/L	100
9) Acrolein	3.17	178	74576	45.56	ug/L	100
10) Iodomethane	3.47	207	508576	53.88	ug/L	100
11) Acetone	3.36	197	139304	51.84	ug/L	100
12) Carbon Disulfide	3.54	214	1506155	46.82	ug/L	100
13) Acetonitrile	3.78	237	1535229	479.59	ug/L	100
14) 3-Chloropropene	3.80	239	289787	48.54	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.32	193	278847	37.27	ug/L	100
16) Methylene Chloride	3.97	256	542030	49.82	ug/L	100
17) Acrylonitrile	4.35	292	126467	45.23	ug/L	100
18) trans-1,2-Dichloroethene	4.41	298	410815	47.15	ug/L	100
19) 1,1-Dichloroethane	5.07	362	890538	49.53	ug/L	100
20) Chloroprene	5.23	377	825392	47.06	ug/L	100
21) Vinyl Acetate	5.22	376	801041	45.98	ug/L	100
22) 2,2-Dichloropropane	5.98	450	710512	48.39	ug/L	100
23) cis-1,2-Dichloroethene	5.99	451	858118	49.18	ug/L	100
24) 2-Butanone	6.04	456	40935	44.85	ug/L	100
25) Propionitrile	6.11	462	477581	445.42	ug/L	100
26) Bromochloromethane	6.36	487	224838	48.91	ug/L	100
27) Methacrylonitrile	6.35	486	3253570	469.46	ug/L	100
28) Chloroform	6.53	503	901003	47.97	ug/L	100
29) 1,1,1-Trichloroethane	6.78	527	624218	46.40	ug/L	100
33) Isobutanol	7.41	588	281678	896.46	ug/L #	100
34) 1,4-Dioxane	9.01	743	58402	855.52	ug/L	100
35) 1,2-Dichloroethane	7.39	586	748139	49.32	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
36)	Carbon Tetrachloride	7.05	553	454366	42.99	ug/L		100
37)	1,1-Dichloropropene	7.06	554	669582	44.70	ug/L		100
38)	Benzene	7.36	583	2185653	50.28	ug/L		100
39)	Trichloroethene	8.41	685	397443	46.43	ug/L		100
40)	Dibromomethane	8.92	734	261989	47.17	ug/L		100
41)	1,2-Dichloropropane	8.74	717	543754	48.42	ug/L		100
42)	Methyl Methacrylate	9.03	745	252641	46.26	ug/L		100
43)	Bromodichloromethane	9.21	762	636202	48.23	ug/L		100
44)	2-Chloroethyl-vinyl-ether	9.66	806	2212	49.71	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.94	833	769659	48.03	ug/L		100
46)	4-Methyl-2-pentanone	10.22	860	370922	44.84	ug/L		100
48)	Toluene	10.47	884	2223659	49.51	ug/L		100
49)	trans-1,3-Dichloropropene	10.86	922	665010	48.13	ug/L		100
50)	1,1,2-Trichloroethane	11.14	949	327303	45.82	ug/L		100
53)	Dibromoethane	11.92	1024	307206	46.55	ug/L		100
54)	Ethyl Methacrylate	11.09	944	523229	45.94	ug/L	#	100
55)	Tetrachloroethene	11.38	972	311174	39.83	ug/L		100
56)	1,3-Dichloropropane	11.40	974	696853	46.72	ug/L		100
57)	2-Hexanone	11.61	994	241641	44.58	ug/L		100
58)	Dibromochloromethane	11.77	1010	355818	47.32	ug/L		100
59)	Chlorobenzene	12.79	1108	1202436	49.31	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.94	1123	347428	47.03	ug/L		100
61)	Ethylbenzene	13.02	1130	644890	49.41	ug/L		100
62)	Meta + Para Xylene	13.22	1150	1723426	96.46	ug/L		100
63)	Ortho Xylene	13.90	1215	808190	49.13	ug/L		100
64)	Xylene (total)	13.22	1150	2533934	145.56	ug/L	m	99
65)	Styrene	13.92	1217	1531147	49.50	ug/L		100
67)	Bromoform	14.17	1242	191819	44.71	ug/L		100
68)	Isopropylbenzene	14.55	1278	2088791	47.99	ug/L		100
69)	Bromobenzene	15.00	1322	438943	47.97	ug/L		100
70)	1,1,2,2-Tetrachloroethane	15.07	1329	389363	45.99	ug/L		100
71)	1,2,3-Trichloropropane	15.11	1332	105779	44.61	ug/L		100
72)	trans-1,4-dichloro-2-buten	15.17	1338	146024	46.54	ug/L		100
73)	n-Propylbenzene	15.27	1348	2824625	48.45	ug/L		100
74)	2-Chlorotoluene	15.37	1358	1689870	49.62	ug/L		100
75)	4-Chlorotoluene	15.57	1377	1962453	48.84	ug/L		100
76)	1,3,5-Trimethylbenzene	15.60	1380	1822336	48.84	ug/L		100
77)	tert-Butylbenzene	16.16	1434	1519216	48.86	ug/L		100
78)	Pentachloroethane	16.15	1433	209753	50.26	ug/L		100
79)	1,2,4-Trimethylbenzene	16.24	1442	1824065	49.37	ug/L		100
80)	sec-Butylbenzene	16.55	1472	2201176	46.56	ug/L		100
81)	1,3-Dichlorobenzene	16.69	1485	867676	47.98	ug/L		100
82)	p-Isopropyltoluene	16.83	1499	1857831	46.06	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc	Unit	Qvalue
83) 1,4-Dichlorobenzene	16.84	1500	995478	47.74	ug/L	100
84) 1,2-Dichlorobenzene	17.49	1562	762265	47.53	ug/L	100
85) n-Butylbenzene	17.56	1569	2030107	47.34	ug/L	100
86) DBCP	18.87	1696	64847	42.54	ug/L	100
87) 1,2,4-Trichlorobenzene	20.39	1843	422690	46.25	ug/L	100
88) Hexachlorobutadiene	20.76	1879	162522	42.82	ug/L	100
89) Naphthalene	20.80	1882	935236	45.49	ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	370465	46.04	ug/L	100

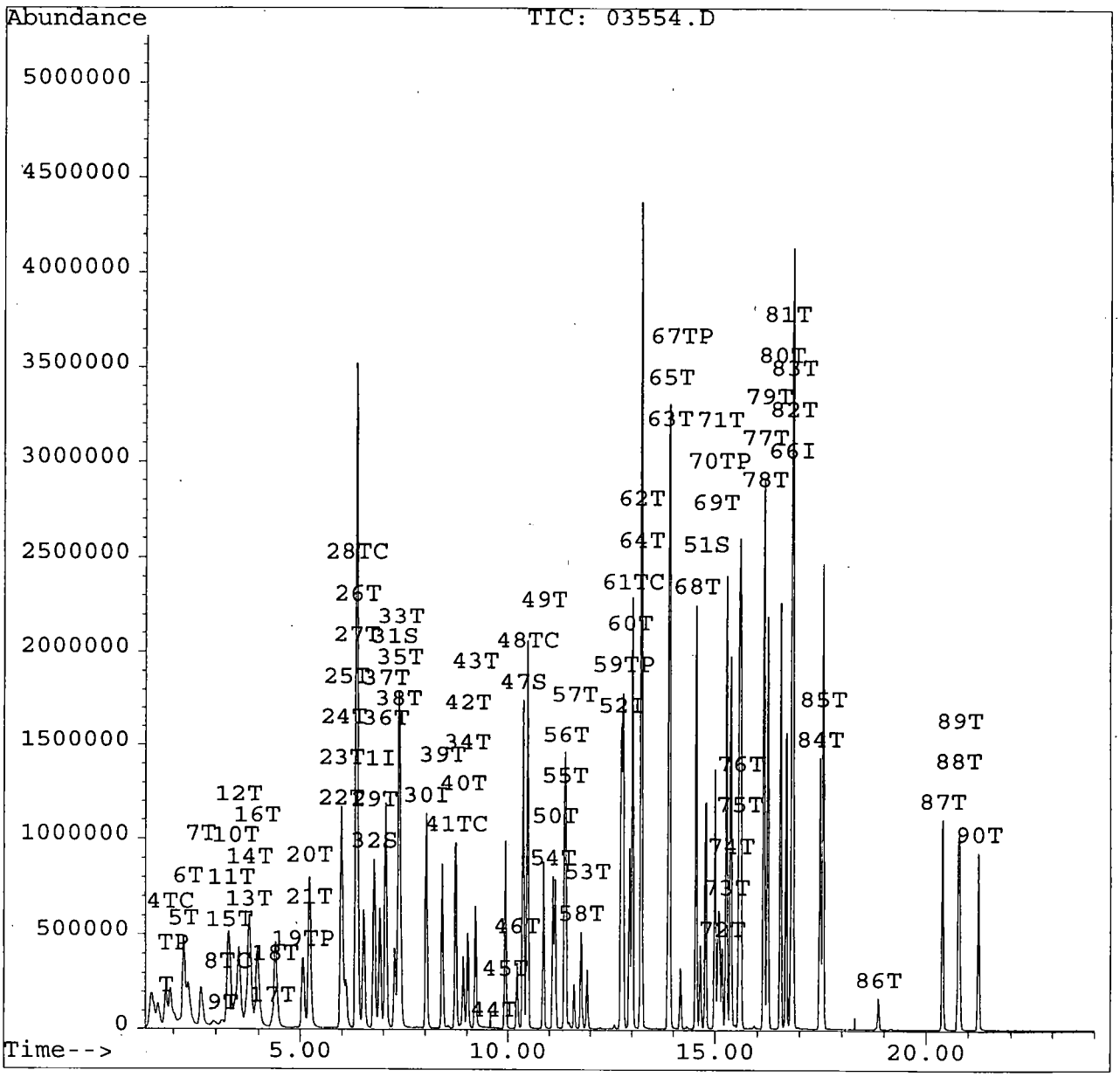
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

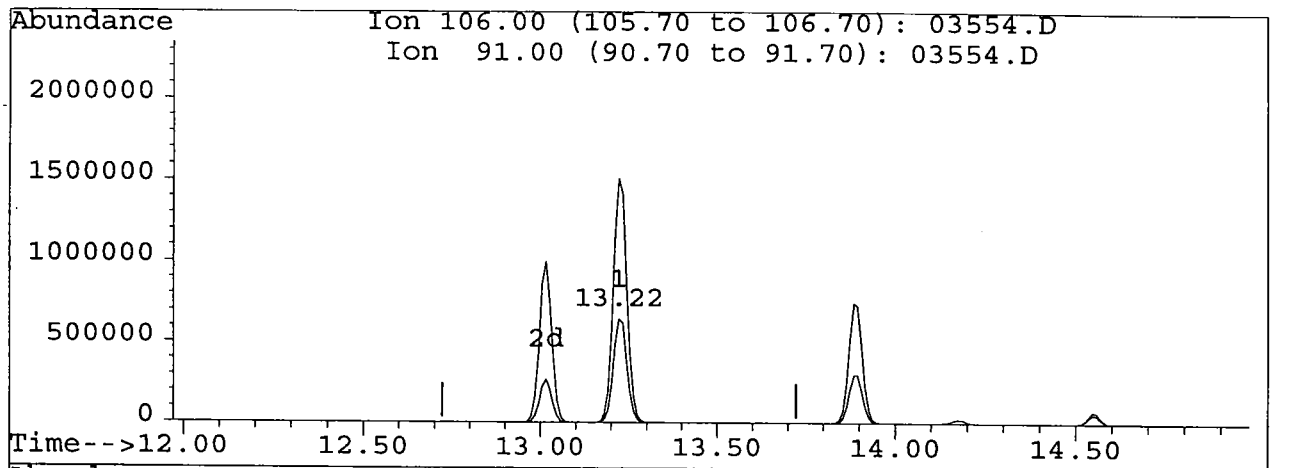


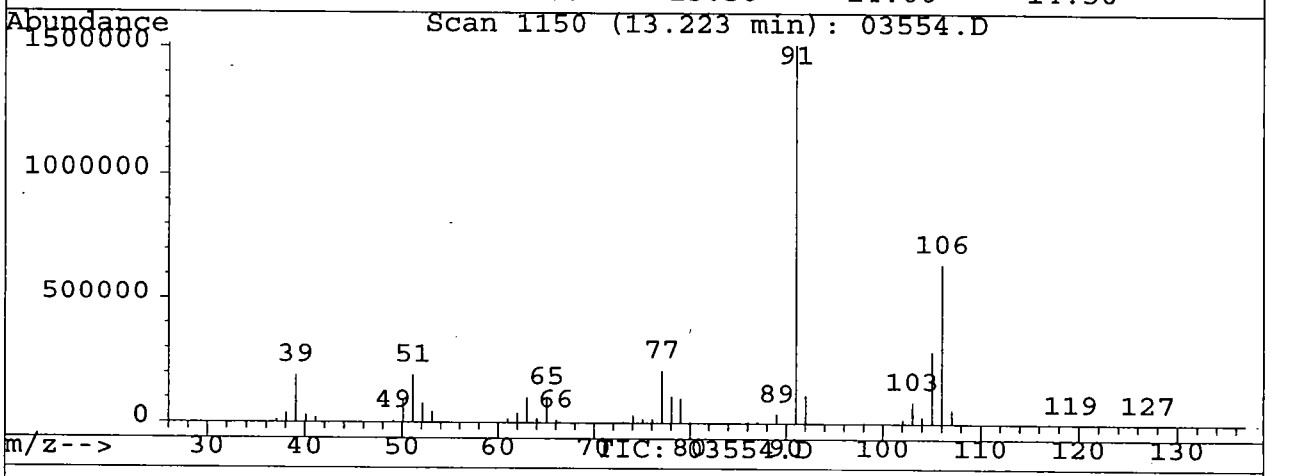
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03554.D
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.22min 145.56ug/L m
response 2533934

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	234.71
0.00	0.00	0.00
0.00	0.00	0.00

03554.D W8260ALL.M Fri Apr 24 15:26:27 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	750516	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1389022	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	1235895	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	682383	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.26	574	1219896	97.57	ug/L	195.14%
32) Dibromofluoromethane	6.78	527	909767	103.23	ug/L	206.46%
47) Toluene-d8	10.37	874	3942284	108.18	ug/L	216.36%
51) Bromofluorobenzene	14.78	1301	1545332	112.13	ug/L	224.27%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.65	31	1145026	107.38	ug/L	99
3) Chloromethane	1.82	48	1304387	87.94	ug/L	99
4) Vinyl Chloride	1.93	58	1213974	89.26	ug/L	100
5) Bromomethane	2.24	88	1355143	109.28	ug/L	99
6) Chloroethane	2.35	99	782779	110.75	ug/L	97
7) Trichlorofluoromethane	2.63	126	1605126	97.60	ug/L	99
8) 1,1-Dichloroethene	3.27	188	838071	95.92	ug/L	99
9) Acrolein	3.16	177	171937	93.03	ug/L	97
10) Iodomethane	3.46	206	1090010	102.28	ug/L	99
11) Acetone	3.38	199	290171	95.65	ug/L	100
12) Carbon Disulfide	3.53	213	3428682	94.40	ug/L	99
13) Acetonitrile	3.78	237	3363652	930.70	ug/L	100
14) 3-Chloropropene	3.78	237	630926	93.60	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.31	192	905802	107.23	ug/L	99
16) Methylene Chloride	3.97	256	1139226	92.74	ug/L	100
17) Acrylonitrile	4.36	293	287468	91.05	ug/L	98
18) trans-1,2-Dichloroethene	4.41	298	923911	93.92	ug/L	99
19) 1,1-Dichloroethane	5.06	361	1867783	92.01	ug/L	99
20) Chloroprene	5.22	376	1998951	100.95	ug/L	99
21) Vinyl Acetate	5.22	376	1847861	93.94	ug/L	98
22) 2,2-Dichloropropane	5.98	450	1625296	98.05	ug/L	100
23) cis-1,2-Dichloroethene	5.99	451	1925741	97.75	ug/L	99
24) 2-Butanone	6.05	457	95998	93.16	ug/L	94
25) Propionitrile	6.12	463	1143761	944.85	ug/L	99
26) Bromochloromethane	6.36	487	500775	96.49	ug/L	96
27) Methacrylonitrile	6.36	487	7298195	932.73	ug/L	99
28) Chloroform	6.53	503	2017871	95.16	ug/L	100
29) 1,1,1-Trichloroethane	6.78	527	1500067	98.77	ug/L	99
33) Isobutanol	7.44	591	694068	2041.14	ug/L #	98
34) 1,4-Dioxane	9.01	743	146344	1980.94	ug/L	97
35) 1,2-Dichloroethane	7.39	586	1604471	97.74	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
36)	Carbon Tetrachloride	7.05	553	1180221	103.18	ug/L		99
37)	1,1-Dichloropropene	7.06	554	1667411	102.85	ug/L		98
38)	Benzene	7.36	583	4744934	100.87	ug/L		100
39)	Trichloroethene	8.41	685	912292	98.48	ug/L		98
40)	Dibromomethane	8.92	734	572222	95.20	ug/L		98
41)	1,2-Dichloropropane	8.74	717	1184513	97.46	ug/L		99
42)	Methyl Methacrylate	9.03	745	574016	97.12	ug/L		99
43)	Bromodichloromethane	9.22	763	1367158	95.78	ug/L		100
44)	2-Chloroethyl-vinyl-ether	9.67	807	3945	81.92	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.94	833	1742566	100.48	ug/L		100
46)	4-Methyl-2-pentanone	10.23	861	882604	98.60	ug/L		100
48)	Toluene	10.48	885	5079875	104.52	ug/L		100
49)	trans-1,3-Dichloropropene	10.86	922	1495902	100.04	ug/L		100
50)	1,1,2-Trichloroethane	11.14	949	755896	97.79	ug/L		99
53)	Dibromoethane	11.93	1025	683652	94.39	ug/L		99
54)	Ethyl Methacrylate	11.09	944	1258822	100.69	ug/L	#	98
55)	Tetrachloroethene	11.38	972	799097	93.17	ug/L		98
56)	1,3-Dichloropropane	11.40	974	1615321	98.66	ug/L		98
57)	2-Hexanone	11.61	994	575944	96.80	ug/L		99
58)	Dibromochloromethane	11.77	1010	799305	96.83	ug/L		99
59)	Chlorobenzene	12.79	1108	2677280	100.02	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.95	1124	796847	98.26	ug/L		99
61)	Ethylbenzene	13.02	1130	1478202	103.19	ug/L		99
62)	Meta + Para Xylene	13.23	1151	4088619	208.48	ug/L		99
63)	Ortho Xylene	13.90	1215	1890938	104.72	ug/L		99
64)	Xylene (total)	13.23	1151	5983658	313.15	ug/L	m	98
65)	Styrene	13.92	1217	3537490	104.19	ug/L		98
67)	Bromoform	14.18	1243	449433	91.82	ug/L		99
68)	Isopropylbenzene	14.56	1279	5043741	101.57	ug/L		100
69)	Bromobenzene	15.01	1323	1043453	99.95	ug/L		99
70)	1,1,2,2-Tetrachloroethane	15.07	1329	903499	93.54	ug/L		100
71)	1,2,3-Trichloropropane	15.12	1333	246471	91.12	ug/L		92
72)	trans-1,4-dichloro-2-buten	15.18	1339	333221	93.09	ug/L		98
73)	n-Propylbenzene	15.28	1349	6743768	101.40	ug/L		100
74)	2-Chlorotoluene	15.37	1358	3895246	100.25	ug/L		99
75)	4-Chlorotoluene	15.57	1377	4590826	100.14	ug/L		99
76)	1,3,5-Trimethylbenzene	15.60	1380	4279772	100.53	ug/L		99
77)	tert-Butylbenzene	16.16	1434	3719159	104.83	ug/L		99
78)	Pentachloroethane	16.15	1433	485534	101.98	ug/L		99
79)	1,2,4-Trimethylbenzene	16.25	1443	4260232	101.06	ug/L		99
80)	sec-Butylbenzene	16.55	1472	5620558	104.21	ug/L		100
81)	1,3-Dichlorobenzene	16.69	1485	2088603	101.24	ug/L		100
82)	p-Isopropyltoluene	16.83	1499	4630523	100.63	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
83) 1,4-Dichlorobenzene	16.85	1501	2338338	98.29 ug/L	99
84) 1,2-Dichlorobenzene	17.50	1563	1820418	99.48 ug/L	99
85) n-Butylbenzene	17.56	1569	5085096	103.94 ug/L	99
86) DBCP	18.87	1696	150789	86.70 ug/L	99
87) 1,2,4-Trichlorobenzene	20.39	1843	1056219	101.29 ug/L	100
88) Hexachlorobutadiene	20.76	1879	454817	105.03 ug/L	99
89) Naphthalene	20.80	1882	2261437	96.41 ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	897064	97.71 ug/L	99

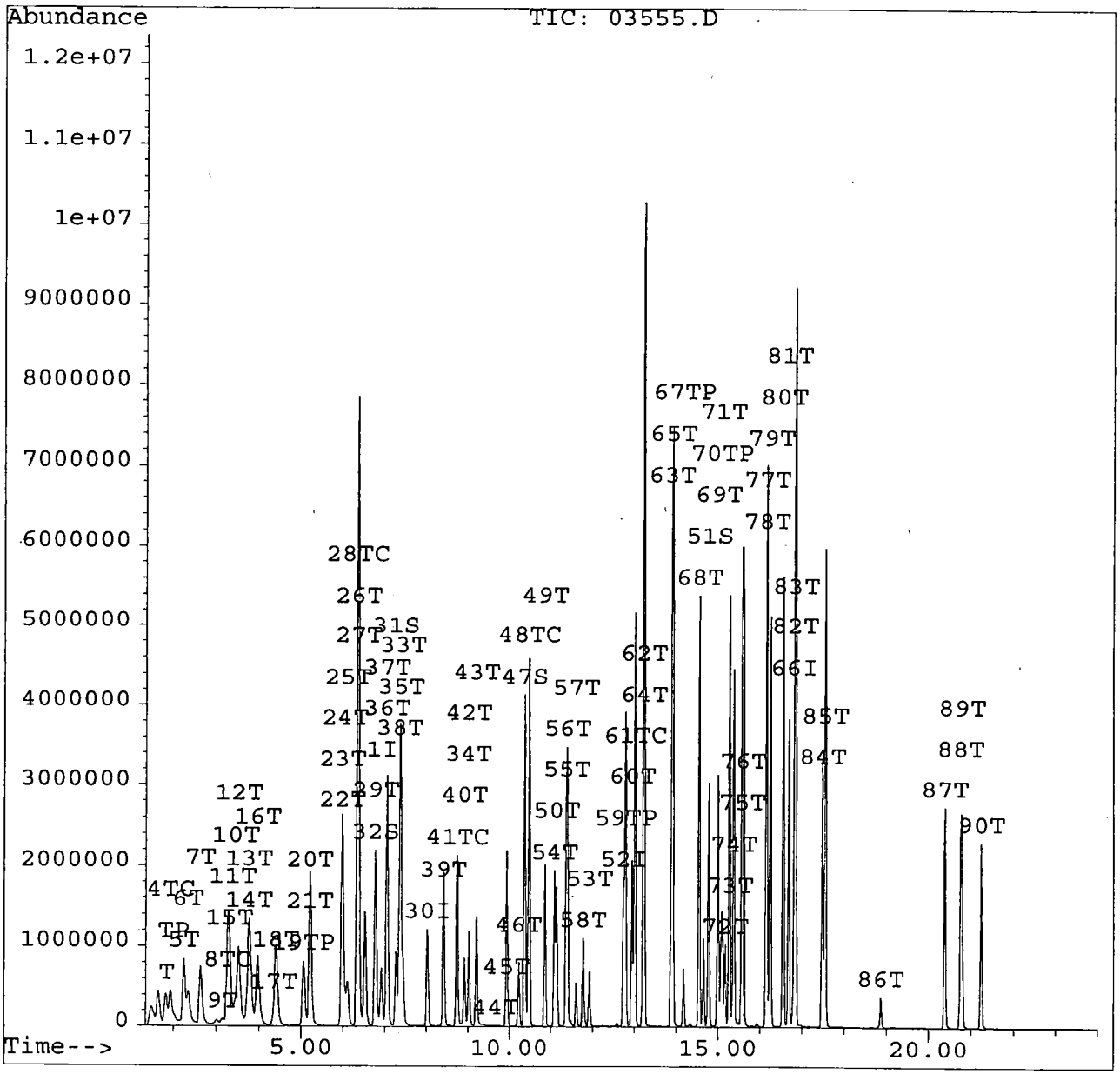
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

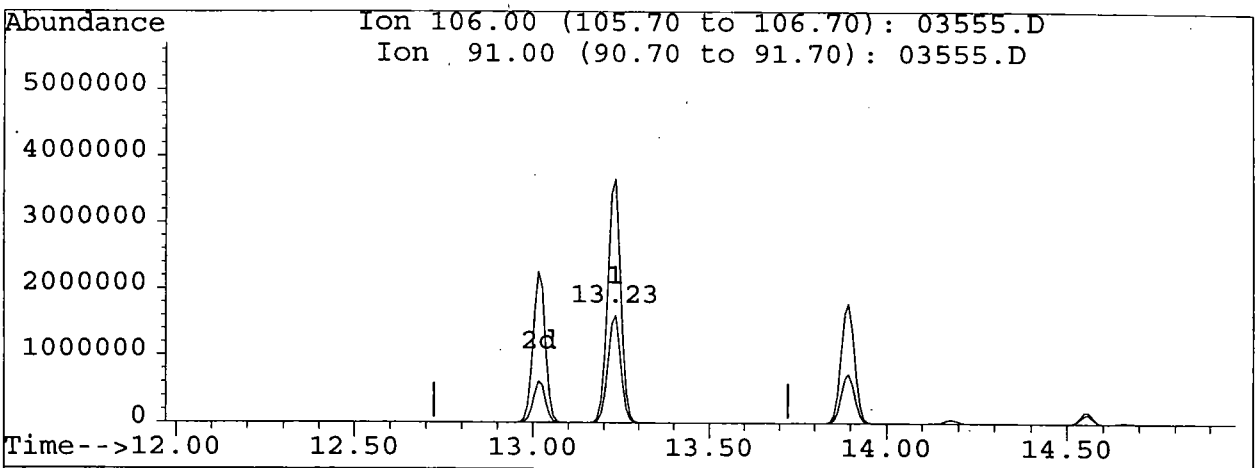


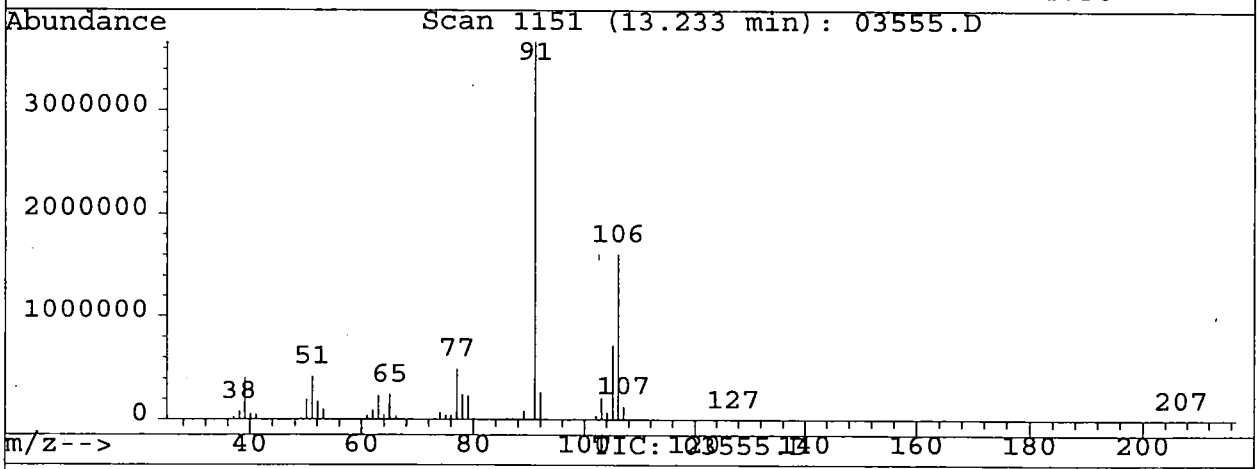
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03555.D
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.23min 313.15ug/L m
response 5983658

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	228.39
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	838047	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1512433	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1105	1301097	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	732137	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.27	575	2778220	204.08	ug/L	408.16%
32) Dibromofluoromethane	6.77	527	2088390	217.63	ug/L	435.26%
47) Toluene-d8	10.37	875	8358088	210.63	ug/L	421.27%
51) Bromofluorobenzene	14.79	1302	3166079	210.99	ug/L	421.98%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	31	2389934	200.72	ug/L	99
3) Chloromethane	1.81	47	3025899	182.69	ug/L	100
4) Vinyl Chloride	1.93	59	2711578	178.55	ug/L	100
5) Bromomethane	2.23	88	2614356	188.80	ug/L	100
6) Chloroethane	2.35	99	1462474	185.30	ug/L	98
7) Trichlorofluoromethane	2.58	122	3774158	205.52	ug/L	97
8) 1,1-Dichloroethene	3.25	186	1959803	200.88	ug/L	97
9) Acrolein	3.15	177	428252	207.51	ug/L	95
10) Iodomethane	3.45	206	2230368	187.43	ug/L	97
11) Acetone	3.41	202	670661	197.98	ug/L	100
12) Carbon Disulfide	3.51	211	7741218	190.87	ug/L	100
13) Acetonitrile	3.76	236	7933784	1965.95	ug/L	100
14) 3-Chloropropene	3.77	237	1456793	193.54	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.28	189	2002834	212.33	ug/L	99
16) Methylene Chloride	3.97	256	2568596	187.26	ug/L	96
17) Acrylonitrile	4.37	295	758253	215.09	ug/L	99
18) trans-1,2-Dichloroethene	4.40	297	2221581	202.24	ug/L	97
19) 1,1-Dichloroethane	5.06	361	4364878	192.56	ug/L	100
20) Chloroprene	5.21	376	4410169	199.47	ug/L	98
21) Vinyl Acetate	5.22	377	4488596	204.36	ug/L	98
22) 2,2-Dichloropropane	5.98	450	3754805	202.87	ug/L	100
23) cis-1,2-Dichloroethene	5.99	451	4386067	199.38	ug/L	97
24) 2-Butanone	6.09	461	219526	190.78	ug/L	90
25) Propionitrile	6.16	468	2866432	2120.61	ug/L #	96
26) Bromochloromethane	6.36	487	1188294	205.06	ug/L	92
27) Methacrylonitrile	6.39	490	18200128	2083.08	ug/L	98
28) Chloroform	6.54	504	4485929	189.46	ug/L	100
29) 1,1,1-Trichloroethane	6.77	527	3478926	205.13	ug/L	97
33) Isobutanol	7.50	597	1664734	4496.23	ug/L #	97
34) 1,4-Dioxane	9.05	747	392192	4875.60	ug/L	96
35) 1,2-Dichloroethane	7.38	586	3693694	206.65	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
36)	Carbon Tetrachloride	7.04	553	2709297	217.54	ug/L		99
37)	1,1-Dichloropropene	7.05	554	3761865	213.10	ug/L		97
38)	Benzene	7.36	584	10727289	209.45	ug/L		100
39)	Trichloroethene	8.42	686	2162737	214.40	ug/L		98
40)	Dibromomethane	8.93	735	1374478	210.00	ug/L		97
41)	1,2-Dichloropropane	8.74	717	2779713	210.04	ug/L		99
42)	Methyl Methacrylate	9.05	747	1481311	230.18	ug/L		98
43)	Bromodichloromethane	9.23	764	3155167	203.01	ug/L		100
44)	2-Chloroethyl-vinyl-ether	9.67	807	10834	206.61	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.95	834	4129947	218.72	ug/L		99
46)	4-Methyl-2-pentanone	10.26	864	2217327	227.49	ug/L		99
48)	Toluene	10.48	885	11464652	216.64	ug/L		99
49)	trans-1,3-Dichloropropene	10.87	923	3616943	222.14	ug/L		100
50)	1,1,2-Trichloroethane	11.16	951	1904258	226.25	ug/L		97
53)	Dibromoethane	11.94	1026	1679419	220.25	ug/L		100
54)	Ethyl Methacrylate	11.11	946	3173703	241.14	ug/L	#	97
55)	Tetrachloroethene	11.38	972	2012395	222.89	ug/L		98
56)	1,3-Dichloropropane	11.42	976	3854639	223.64	ug/L		99
57)	2-Hexanone	11.64	997	1450537	231.58	ug/L		98
58)	Dibromochloromethane	11.80	1013	1884442	216.86	ug/L		99
59)	Chlorobenzene	12.80	1109	6069874	215.39	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.96	1125	1920981	225.01	ug/L		100
61)	Ethylbenzene	13.02	1131	3321070	220.22	ug/L		99
62)	Meta + Para Xylene	13.24	1152	9573044	463.67	ug/L		83
63)	Ortho Xylene	13.90	1216	4351715	228.92	ug/L		99
64)	Xylene (total)	13.24	1152	13930444	692.51	ug/L	m	82
65)	Styrene	13.93	1219	8095073	226.47	ug/L		96
67)	Bromoform	14.19	1244	1133740	215.87	ug/L		99
68)	Isopropylbenzene	14.56	1280	11343453	212.91	ug/L		99
69)	Bromobenzene	15.02	1324	2327470	207.79	ug/L		97
70)	1,1,2,2-Tetrachloroethane	15.09	1331	2120693	204.63	ug/L		99
71)	1,2,3-Trichloropropane	15.12	1334	578541	199.34	ug/L		96
72)	trans-1,4-dichloro-2-buten	15.19	1340	790940	205.95	ug/L		97
73)	n-Propylbenzene	15.29	1350	14501535	203.23	ug/L		100
74)	2-Chlorotoluene	15.39	1360	8342483	200.11	ug/L		99
75)	4-Chlorotoluene	15.59	1379	10222829	207.83	ug/L		100
76)	1,3,5-Trimethylbenzene	15.62	1382	9531702	208.68	ug/L		99
77)	tert-Butylbenzene	16.17	1435	8245268	216.62	ug/L		99
78)	Pentachloroethane	16.17	1435	1020431	199.75	ug/L		98
79)	1,2,4-Trimethylbenzene	16.26	1444	9343189	206.58	ug/L		99
80)	sec-Butylbenzene	16.56	1473	12229982	211.35	ug/L		100
81)	1,3-Dichlorobenzene	16.70	1486	4564290	206.21	ug/L		100
82)	p-Isopropyltoluene	16.84	1500	10623178	215.18	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
83) 1,4-Dichlorobenzene	16.86	1502	5382836	210.88 ug/L	99
84) 1,2-Dichlorobenzene	17.49	1563	4134203	210.57 ug/L	100
85) n-Butylbenzene	17.56	1570	10900065	207.65 ug/L	99
86) DBCP	18.88	1697	385148	206.41 ug/L	96
87) 1,2,4-Trichlorobenzene	20.40	1844	2538555	226.90 ug/L	100
88) Hexachlorobutadiene	20.77	1880	1094199	235.50 ug/L	99
89) Naphthalene	20.80	1883	5491552	218.21 ug/L	100
90) 1,2,3-Trichlorobenzene	21.26	1927	2191553	222.50 ug/L	99

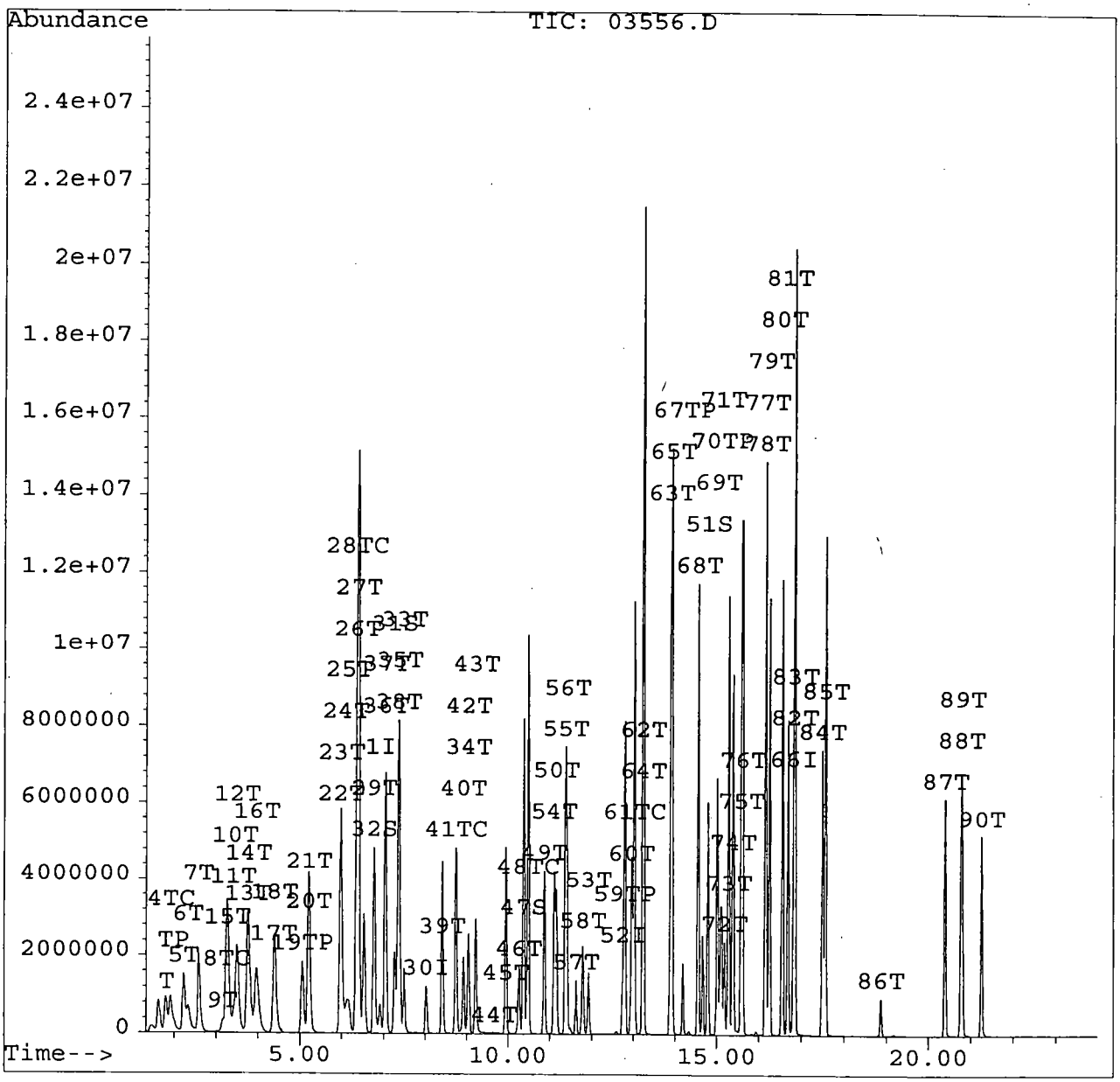
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

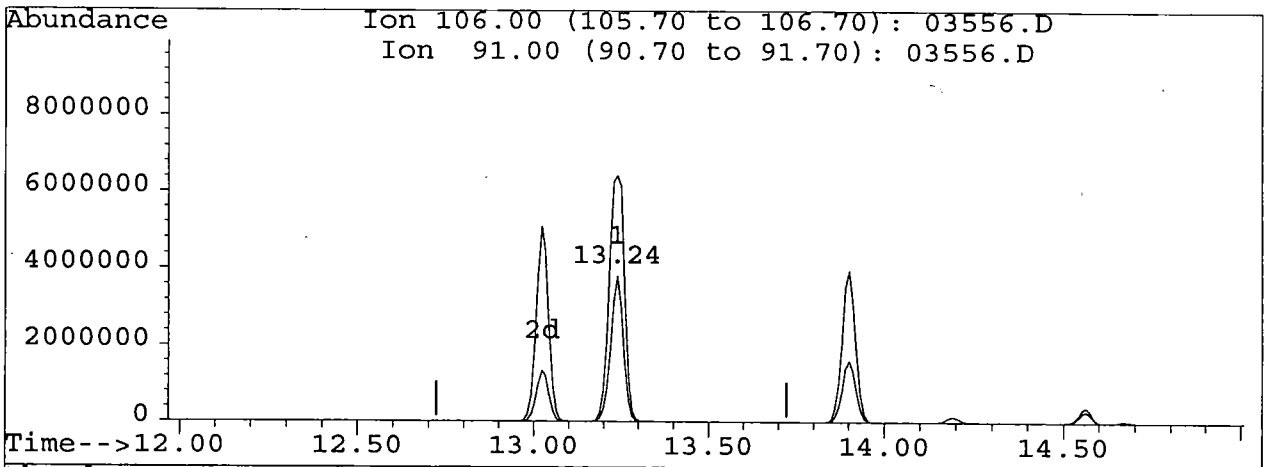


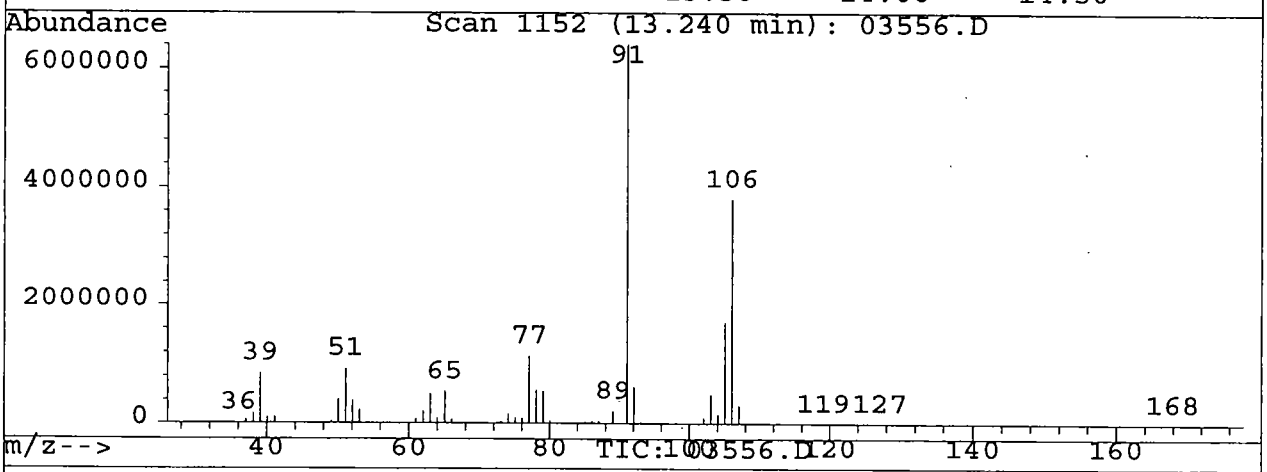
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03556.D
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



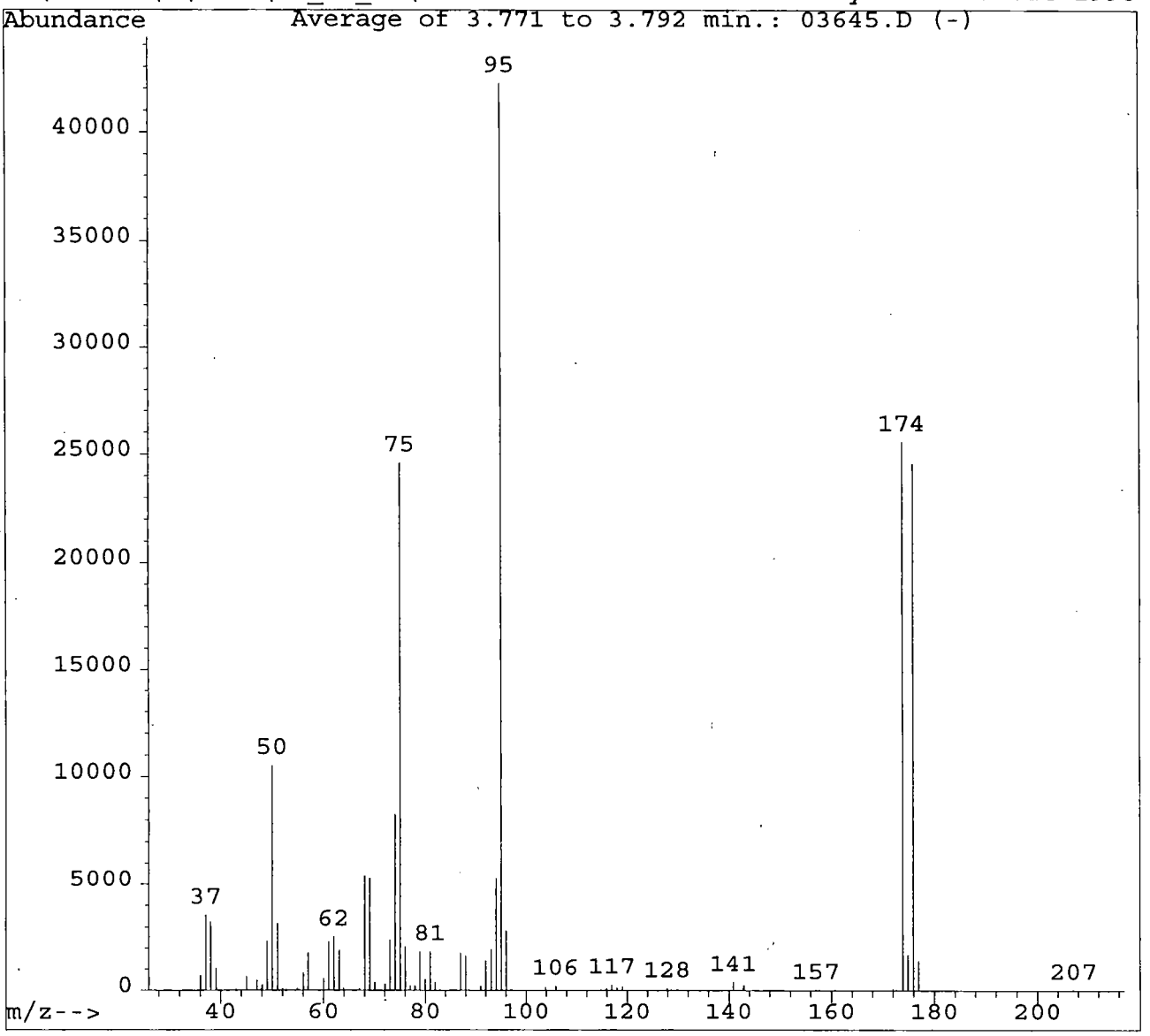


(64) Xylene (total) (T)
13.24min 692.51ug/L m
response 13930444

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	168.68
0.00	0.00	0.00
0.00	0.00	0.00

CLP 3/90 BFB TUNE CHECK Results

C:\HPCHEM\1\DATA\05_04_98\03645.D Mon May 04 14:37:24 1998



Peak Apex is scan: 168
Average of 3 scans: 167,168,169 minus background scan 159

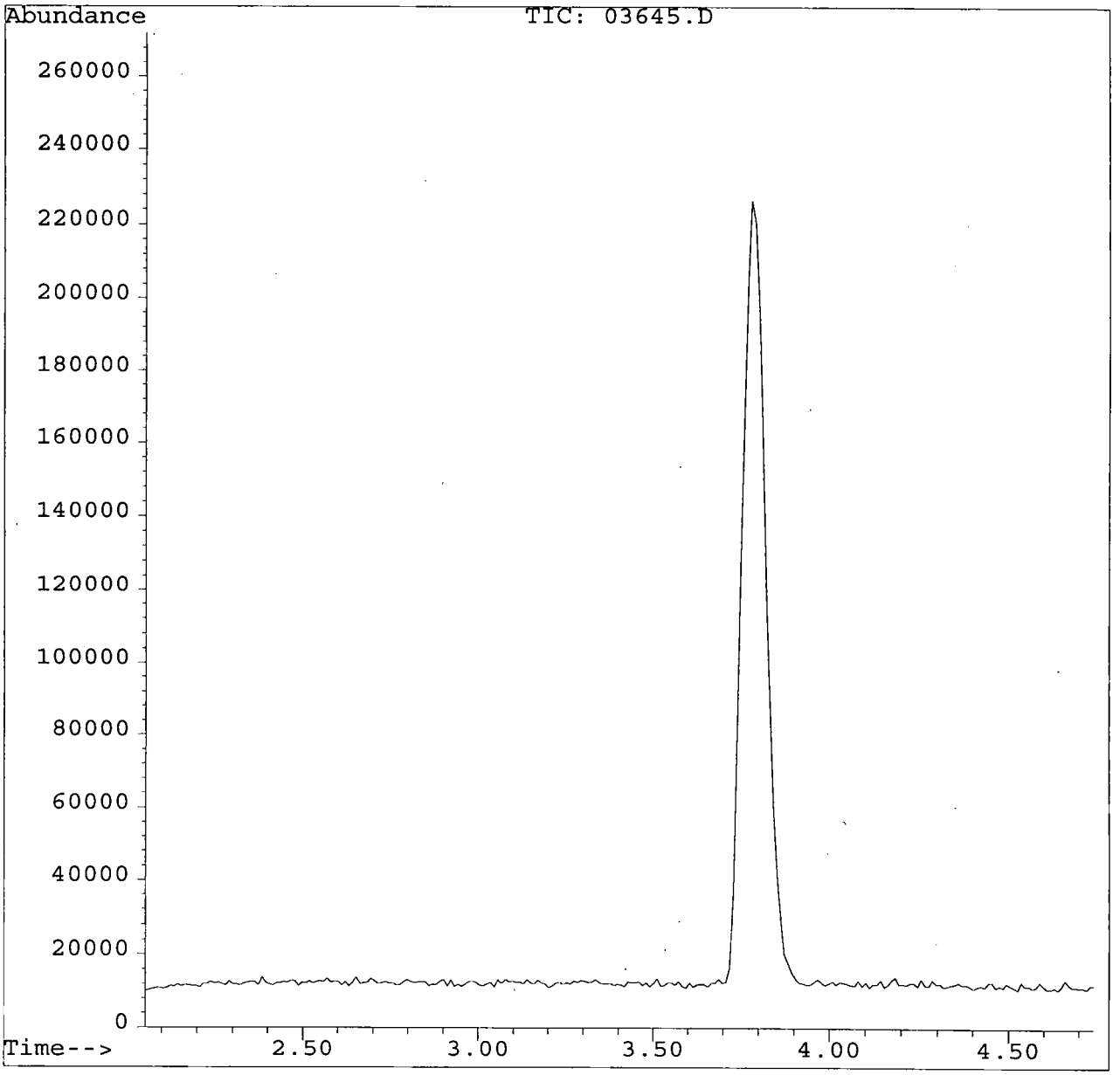
Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
50	95	8	40	24.9	PASS
75	95	30	66	58.2	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.8	PASS
173	174	0	2	0.0	PASS
174	95	50	120	60.5	PASS
175	174	4	9	6.7	PASS
176	174	93	101	96.2	PASS
177	176	5	9	5.7	PASS

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_04_98\03645.D
Acq On : 4 May 98 11:34 am
Sample : BFB 50NG INJ
Misc :
Quant Time: May 4 14:37 1998

Vial: 1
Operator: KAR
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\BFB90.M
Title :
Last Update : Thu Mar 27 14:30:20 1997
Response via : Single Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\05_04_98\03646.D
Acq On : 4 May 98 11:45 am
Sample : VSTD50
Misc :

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	108	0.02
2	T	Dichlorodifluoromethane	0.756	0.605	20.0	161#	0.04
3	TP	Chloromethane	0.988	1.102	-11.5	124	0.03
4	TC	Vinyl Chloride	0.906	0.789	12.9	106	0.04
5	T	Bromomethane	1.109	0.794	28.5#	74	0.03
6	T	Chloroethane	0.653	0.434	33.5#	62	0.04
7	T	Trichlorofluoromethane	1.046	0.893	14.6	139	0.02
8	TC	1,1-Dichloroethene	0.582	0.522	10.4	111	0.03
9	T	Acrolein	0.123	0.114	7.0	111	0.02
10	T	Iodomethane	0.710	0.405	43.0#	57	0.03
11	T	Acetone	0.293	0.194	33.9#	100	0.05
12	T	Carbon Disulfide	2.420	2.211	8.6	106	0.03
13	T	Acetonitrile	0.241	0.229	5.0	107	0.04
14	T	3-Chloropropene	0.449	0.415	7.5	103	0.03
15	T	112-Trichl-122-Trifl-Ethane	0.563	0.000	100.0#	0#	-3.32#
16	T	Methylene Chloride	0.818	0.739	9.7	98	0.03
17	T	Acrylonitrile	0.210	0.203	3.6	116	0.04
18	T	trans-1,2-Dichloroethene	0.655	0.610	6.9	107	0.04
19	TP	1,1-Dichloroethane	1.352	1.260	6.8	102	0.03
20	T	Chloroprene	1.319	1.193	9.6	104	0.03
21	T	Vinyl Acetate	1.157	1.519	-31.2#	137	0.03
22	T	2,2-Dichloropropane	1.104	1.039	5.9	105	0.03
23	T	cis-1,2-Dichloroethene	1.312	1.239	5.6	104	0.03
24	T	2-Butanone	0.069	0.062	9.8	109	0.05
25	T	Propionitrile	0.081	0.074	8.2	112	0.03
26	T	Bromochloromethane	0.346	0.314	9.2	101	0.02
27	T	Methacrylonitrile	0.521	0.487	6.5	108	0.03
28	TC	Chloroform	1.413	1.265	10.4	101	0.03
29	T	1,1,1-Trichloroethane	1.012	0.926	8.5	107	0.03
30	I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.02
31	S	1,2-Dichloroethane-d4	0.450	0.431	4.2	107	0.03
32	S	Dibromofluoromethane	0.317	0.312	1.5	111	0.02
33	T	Isobutanol	0.012	0.011	6.8	110	0.05
34	T	1,4-Dioxane	0.003	0.003	2.2	121	0.02
35	T	1,2-Dichloroethane	0.591	0.572	3.3	104	0.02
36	T	Carbon Tetrachloride	0.412	0.377	8.5	113	0.03
37	T	1,1-Dichloropropene	0.584	0.529	9.3	108	0.02
38	T	Benzene	1.693	1.614	4.7	100	0.03
39	T	Trichloroethene	0.333	0.297	11.0	102	0.02
40	T	Dibromomethane	0.216	0.205	5.3	106	0.02
41	TC	1,2-Dichloropropane	0.438	0.421	3.8	105	0.01
42	T	Methyl Methacrylate	0.213	0.208	2.3	112	0.02
43	T	Bromodichloromethane	0.514	0.489	4.9	105	0.02
44	T	2-Chloroethyl-vinyl-ether	0.002	0.002	-2.9	117	0.03
45	T	cis-1,3-Dichloropropene	0.624	0.592	5.2	105	0.02

46	T	4-Methyl-2-pentanone	0.322	0.301	6.5	111	0.02
47	S	Toluene-d8	1.312	1.269	3.2	104	0.02
48	TC	Toluene	1.750	1.645	6.0#	101	0.02
49	T	trans-1,3-Dichloropropene	0.538	0.512	5.0	105	0.01
50	T	1,1,2-Trichloroethane	0.278	0.260	6.4	108	0.02
51	S	Bromofluorobenzene	0.496	0.486	2.0	108	0.02
52	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.01
53	T	Dibromoethane	0.293	0.269	8.3	107	0.02
54	T	Ethyl Methacrylate	0.506	0.450	11.1	105	0.01
55	T	Tetrachloroethene	0.347	0.245	29.3#	96	0.01
56	T	1,3-Dichloropropane	0.662	0.601	9.3	105	0.02
57	T	2-Hexanone	0.241	0.218	9.4	110	0.02
58	T	Dibromochloromethane	0.334	0.308	7.7	106	0.02
59	TP	Chlorobenzene	1.083	1.025	5.4	104	0.01
60	T	1,1,1,2-Tetrachloroethane	0.328	0.298	9.2	105	0.02
61	TC	Ethylbenzene	0.580	0.546	5.9	103	0.01
62	T	Meta + Para Xylene	0.793	0.725	8.7	103	0.02
63	T	Ortho Xylene	0.731	0.687	6.0	104	0.01
64	T	Xylene (total)	0.773	0.712	7.9	103	0.02
65	T	Styrene	1.374	1.285	6.4	103	0.01
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.01
67	TP	Bromoform	0.359	0.329	8.2	111	0.02
68	T	Isopropylbenzene	3.639	3.412	6.2	105	0.02
69	T	Bromobenzene	0.765	0.726	5.0	107	0.02
70	TP	1,1,2,2-Tetrachloroethane	0.708	0.700	1.2	116	0.01
71	T	1,2,3-Trichloropropane	0.198	0.179	9.7	109	0.01
72	T	trans-1,4-dichloro-2-buten	0.262	0.245	6.5	108	0.02
73	T	n-Propylbenzene	4.873	4.635	4.9	106	0.02
74	T	2-Chlorotoluene	2.847	2.714	4.7	104	0.01
75	T	4-Chlorotoluene	3.359	3.200	4.7	105	0.01
76	T	1,3,5-Trimethylbenzene	3.119	2.986	4.3	106	0.01
77	T	tert-Butylbenzene	2.599	2.564	1.4	109	0.01
78	T	Pentachloroethane	0.288	0.353	-22.6	109	0.01
79	T	1,2,4-Trimethylbenzene	3.089	3.005	2.7	106	0.02
80	T	sec-Butylbenzene	3.952	3.822	3.3	112	0.01
81	T	1,3-Dichlorobenzene	1.512	1.419	6.1	106	0.01
82	T	p-Isopropyltoluene	3.372	3.132	7.1	109	0.01
83	T	1,4-Dichlorobenzene	1.743	1.601	8.2	104	0.02
84	T	1,2-Dichlorobenzene	1.341	1.281	4.4	108	0.02
85	T	n-Butylbenzene	3.585	3.550	1.0	113	0.01
86	T	DBCP	0.127	0.118	7.6	117	0.01
87	T	1,2,4-Trichlorobenzene	0.764	0.767	-0.4	117	0.01
88	T	Hexachlorobutadiene	0.317	0.343	-8.0	136	0.01
89	T	Naphthalene	1.719	1.578	8.2	109	0.01
90	T	1,2,3-Trichlorobenzene	0.673	0.671	0.3	117	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1

03554.D W8260ALL.M Mon May 04 14:34:50 1998 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_04_98\03646.D
Acq On : 4 May 98 11:45 am
Sample : VSTD50
Misc :
Quant Time: May 4 14:31 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.94	168	720785	50.00 ug/L	0.02
30) 1,4-Difluorobenzene	8.05	114	1360692	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.76	117	1222851	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	152	644953	50.00 ug/L	0.01
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.29	65	586946	47.92 ug/L	95.85%
32) Dibromofluoromethane	6.80	113	425065	49.24 ug/L	98.47%
47) Toluene-d8	10.39	98	1727101	48.38 ug/L	96.76%
51) Bromofluorobenzene	14.80	95	661310	48.99 ug/L	97.97%
Target Compounds					**Qvalue**
2) Dichlorodifluoromethane	1.68	85	436146	42.59 ug/L	100
3) Chloromethane	1.84	50	793973	55.73 ug/L	100
4) Vinyl Chloride	1.97	62	568921	43.56 ug/L	100
5) Bromomethane	2.27	94	571981	48.03 ug/L	96
6) Chloroethane	2.39	64	313107	46.12 ug/L	98
7) Trichlorofluoromethane	2.67	101	643829	40.76 ug/L	98
8) 1,1-Dichloroethene	3.31	96	376062	44.82 ug/L	99
9) Acrolein	3.19	56	82505	46.48 ug/L	97
10) Iodomethane	3.50	142	291722	28.50 ug/L	100
11) Acetone	3.42	43	139804	47.99 ug/L	99
12) Carbon Disulfide	3.57	76	1593558	45.68 ug/L	100
13) Acetonitrile	3.82	41	1648306	474.89 ug/L	100
14) 3-Chloropropene	3.83	76	299477	46.26 ug/L	100
16) Methylene Chloride	4.00	84	532871	45.17 ug/L	98
17) Acrylonitrile	4.39	53	146109	48.19 ug/L	100
18) trans-1,2-Dichloroethene	4.45	96	439836	46.55 ug/L	98
19) 1,1-Dichloroethane	5.10	63	908221	46.59 ug/L	100
20) Chloroprene	5.26	53	859824	45.22 ug/L	100
21) Vinyl Acetate	5.25	43	1094713	57.95 ug/L	99
22) 2,2-Dichloropropane	6.01	77	749017	47.05 ug/L	99
23) cis-1,2-Dichloroethene	6.02	61	892886	47.19 ug/L	100
24) 2-Butanone	6.09	72	44625	45.09 ug/L	99
25) Propionitrile	6.14	54	533641	459.02 ug/L	99
26) Bromochloromethane	6.38	128	226205	45.38 ug/L	100
27) Methacrylonitrile	6.38	41	3512817	467.47 ug/L	100
28) Chloroform	6.56	83	912007	44.79 ug/L	99
29) 1,1,1-Trichloroethane	6.81	97	667522	45.76 ug/L	99
33) Isobutanol	7.46	43	310366	931.74 ug/L #	98
34) 1,4-Dioxane	9.03	88	70800	978.32 ug/L	96
35) 1,2-Dichloroethane	7.41	62	777785	48.37 ug/L	99
36) Carbon Tetrachloride	7.08	117	512685	45.76 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_04_98\03646.D Vial: 1
Acq On : 4 May 98 11:45 am Operator:
Sample : VSTD50 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: May 4 14:31 1998

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
37)	1,1-Dichloropropene	7.08	75	719966	45.33 ug/L		99
38)	Benzene	7.39	78	2195502	47.65 ug/L		100
39)	Trichloroethene	8.43	130	403624	44.48 ug/L		99
40)	Dibromomethane	8.94	93	278867	47.36 ug/L		98
41)	1,2-Dichloropropane	8.75	63	572442	48.08 ug/L		100
42)	Methyl Methacrylate	9.05	69	282767	48.84 ug/L		99
43)	Bromodichloromethane	9.23	83	665021	47.56 ug/L		99
44)	2-Chloroethyl-vinyl-ether	9.69	63	2597	55.05 ug/L	#	100
45)	cis-1,3-Dichloropropene	9.96	75	804865	47.38 ug/L		100
46)	4-Methyl-2-pentanone	10.24	43	409917	46.75 ug/L		99
48)	Toluene	10.49	91	2238196	47.01 ug/L		100
49)	trans-1,3-Dichloropropene	10.87	75	696050	47.52 ug/L		100
50)	1,1,2-Trichloroethane	11.16	97	354202	46.78 ug/L		99
53)	Dibromoethane	11.94	107	328464	45.83 ug/L		98
54)	Ethyl Methacrylate	11.10	69	549685	44.44 ug/L	#	98
55)	Tetrachloroethene	11.39	164	300064	35.36 ug/L		98
56)	1,3-Dichloropropane	11.42	76	734642	45.35 ug/L		99
57)	2-Hexanone	11.63	43	266551	45.28 ug/L		99
58)	Dibromochloromethane	11.80	129	376862	46.14 ug/L		99
59)	Chlorobenzene	12.80	112	1253277	47.32 ug/L		99
60)	1,1,1,2-Tetrachloroethane	12.96	131	364359	45.41 ug/L		100
61)	Ethylbenzene	13.03	106	667112	47.07 ug/L		99
62)	Meta + Para Xylene	13.24	106	1772070	91.32 ug/L		99
63)	Ortho Xylene	13.91	106	839820	47.01 ug/L		99
64)	Xylene (total)	13.24	106	2611565	138.13 ug/L	m	98
65)	Styrene	13.93	104	1571379	46.78 ug/L		100
67)	Bromoform	14.20	173	212370	45.90 ug/L		100
68)	Isopropylbenzene	14.57	105	2200851	46.89 ug/L		99
69)	Bromobenzene	15.02	156	468447	47.48 ug/L		100
70)	1,1,2,2-Tetrachloroethane	15.08	83	451186	49.42 ug/L		99
71)	1,2,3-Trichloropropane	15.12	77	115425	45.15 ug/L		99
72)	trans-1,4-dichloro-2-buten	15.19	53	158183	46.76 ug/L		98
73)	n-Propylbenzene	15.29	91	2989046	47.55 ug/L		100
74)	2-Chlorotoluene	15.38	91	1750525	47.67 ug/L		100
75)	4-Chlorotoluene	15.58	91	2064117	47.64 ug/L		100
76)	1,3,5-Trimethylbenzene	15.61	105	1926121	47.87 ug/L		100
77)	tert-Butylbenzene	16.17	119	1653683	49.32 ug/L		98
78)	Pentachloroethane	16.16	167	227842	50.63 ug/L		99
79)	1,2,4-Trimethylbenzene	16.26	105	1937853	48.64 ug/L		99
80)	sec-Butylbenzene	16.56	105	2465221	48.36 ug/L		100
81)	1,3-Dichlorobenzene	16.70	146	915462	46.95 ug/L		99
82)	p-Isopropyltoluene	16.84	119	2020241	46.45 ug/L		100
83)	1,4-Dichlorobenzene	16.86	146	1032651	45.92 ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_04_98\03646.D
Acq On : 4 May 98 11:45 am
Sample : VSTD50
Misc :
Quant Time: May 4 14:31 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
84)	1,2-Dichlorobenzene	17.51	146	826284	47.78 ug/L	98
85)	n-Butylbenzene	17.57	91	2289808	49.52 ug/L	100
86)	DBCP	18.88	75	75935	46.20 ug/L	99
87)	1,2,4-Trichlorobenzene	20.40	180	494937	50.22 ug/L	98
88)	Hexachlorobutadiene	20.77	225	221047	54.01 ug/L	99
89)	Naphthalene	20.81	128	1017983	45.92 ug/L	100
90)	1,2,3-Trichlorobenzene	21.26	180	432497	49.84 ug/L	100

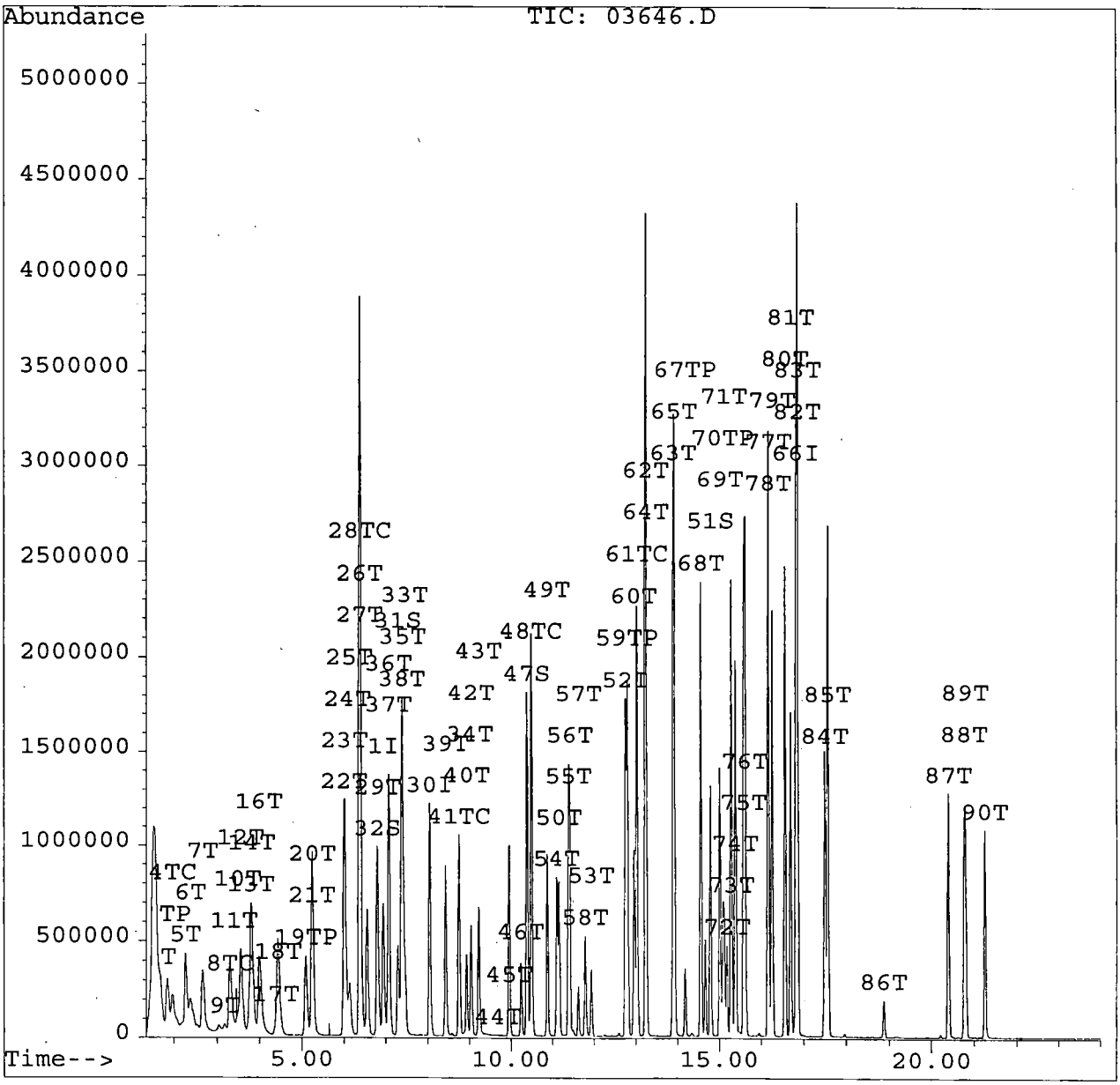
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_04_98\03646.D
Acq On : 4 May 98 11:45 am
Sample : VSTD50
Misc :
Quant Time: May 4 14:31 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

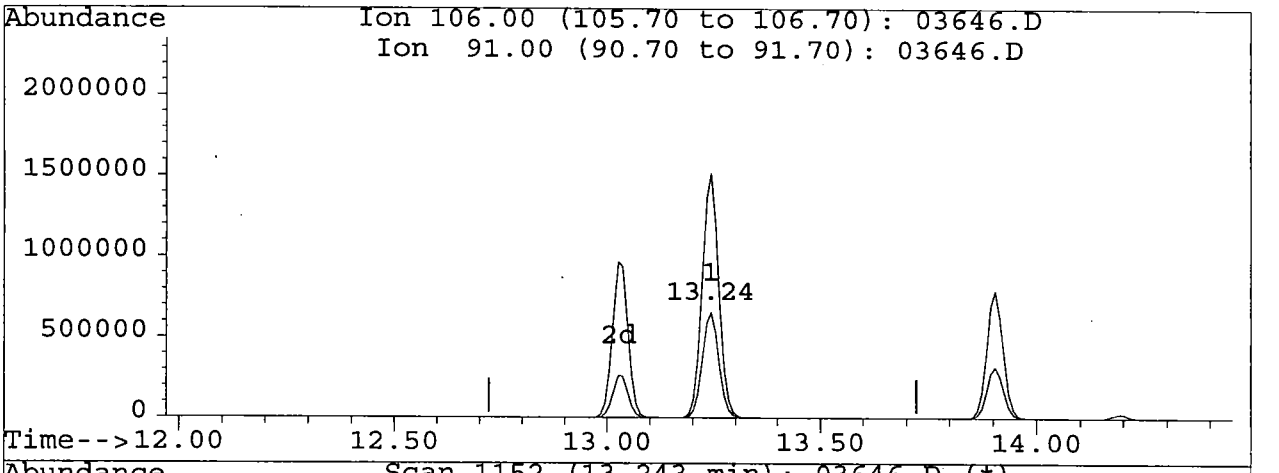


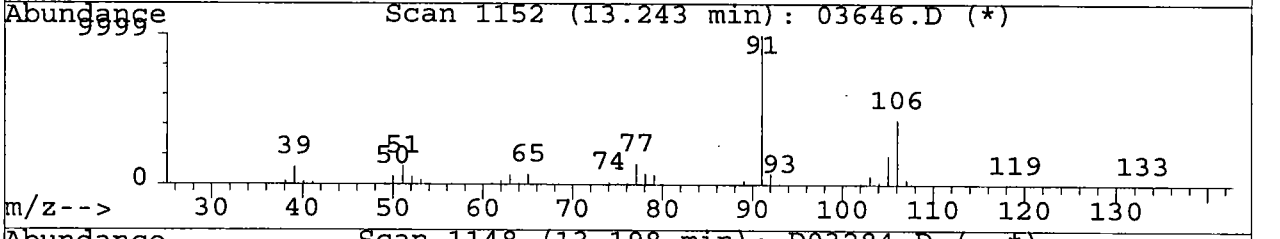
Quantitation Report

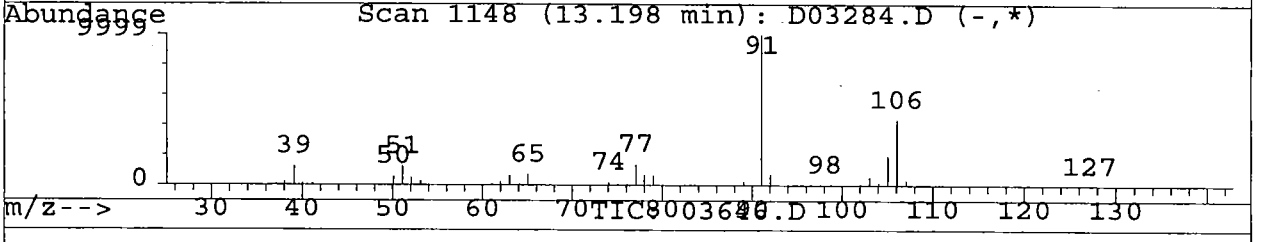
Data File : C:\HPCHEM\1\DATA\05_04_98\03646.D
Acq On : 4 May 98 11:45 am
Sample : VSTD50
Misc :
Quant Time: May 4 14:31 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration







(64) Xylene (total) (T)
13.24min 138.13ug/L m
response 2611565

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	227.53
0.00	0.00	0.00
0.00	0.00	0.00

MM 5/4/98

03646.D W8260ALL.M Mon May 04 14:31:50 1998 RP1

Quantitation Report

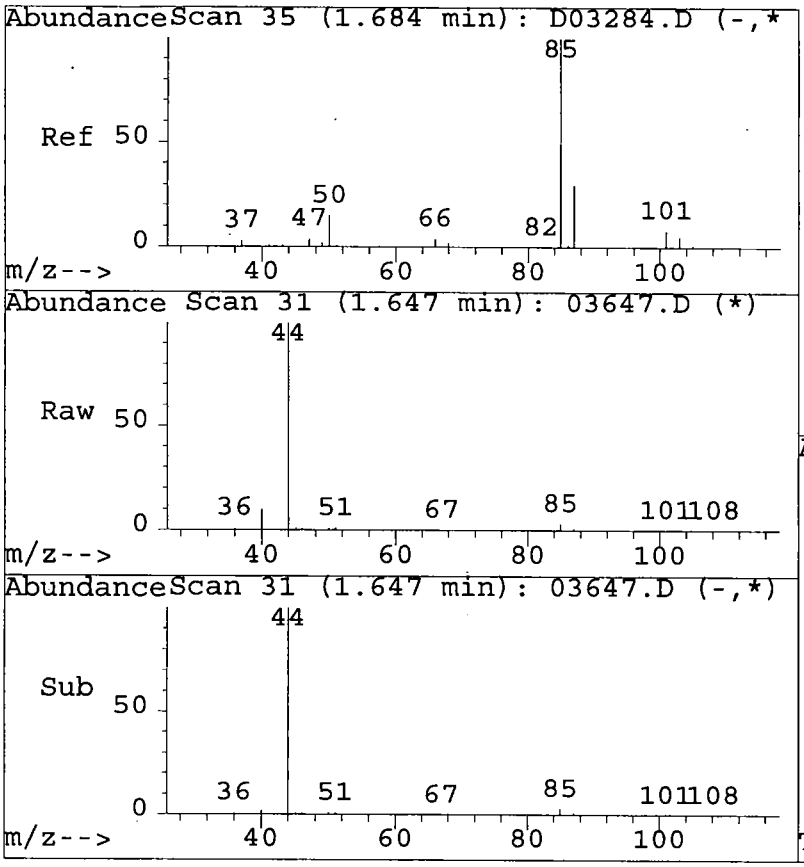
Data File : c:\hpchem\1\data\05_04_98\03647.d
Acq On : 4 May 98 12:26 pm
Sample : MB*NONE*1
Misc :
Quant Time: May 4 14:43 1998

Vial: 2
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.92	168	752632	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	114	1395352	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.76	117	1191553	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	152	539535	50.00 ug/L	0.01
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	65	632613	50.37 ug/L	100.74%
32) Dibromofluoromethane	6.78	113	415801	46.97 ug/L	93.93%
47) Toluene-d8	10.38	98	1809493	49.43 ug/L	98.86%
51) Bromofluorobenzene	14.80	95	636773	46.00 ug/L	91.99%
Target Compounds					**Qvalue**
2) Dichlorodifluoromethane	1.65	85	8915	0.83 ug/L	97
11) Acetone	3.37	43	16546	5.44 ug/L	96
16) Methylene Chloride	3.97	84	20191	1.64 ug/L	96
89) Naphthalene	20.82	128	12212	0.66 ug/L	100

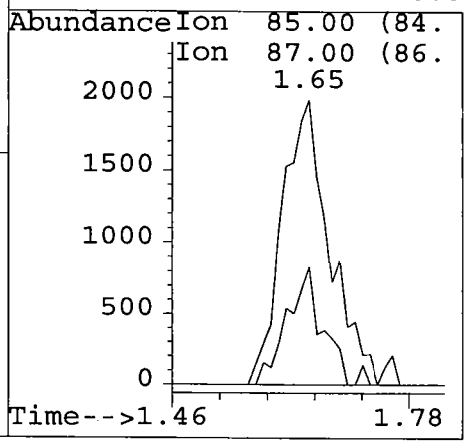
(#) = qualifier out of range (m) = manual integration

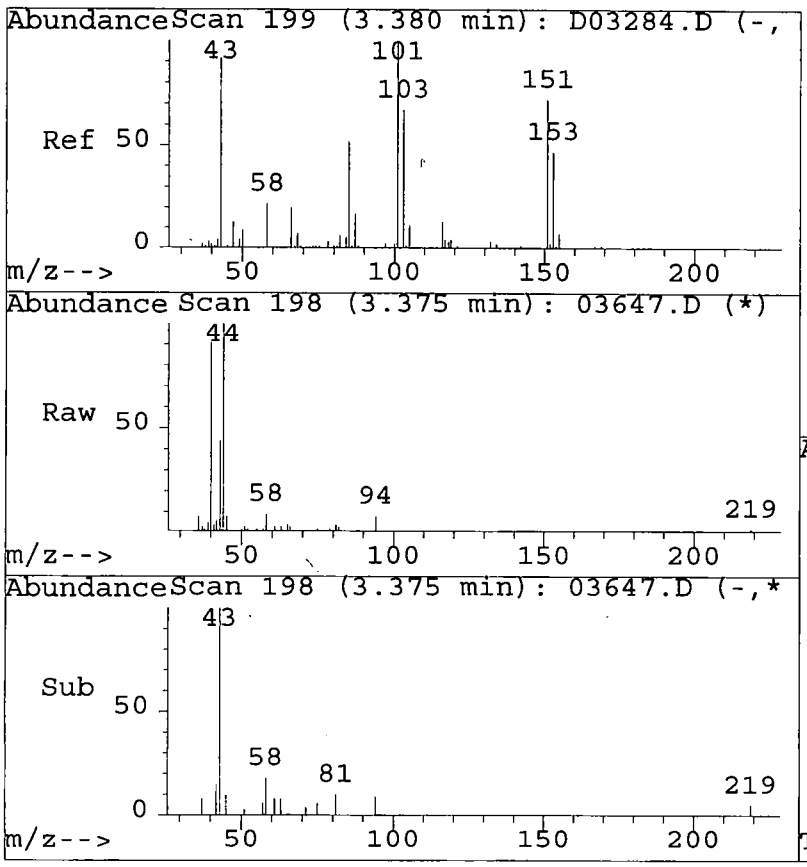


#2
Dichlorodifluoromethane
Concen: 0.83 ug/L
RT: 1.65 min Scan# 31
Delta R.T. 0.01 min
Lab File: 03647.d
Acq: 4 May 98 12:26 pm

Tgt Ion:85 Resp: 8915

Ion	Ratio	Lower	Upper
85	100		
87	30.7	25.9	38.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

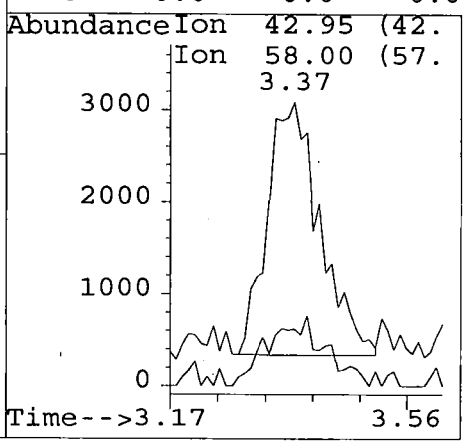


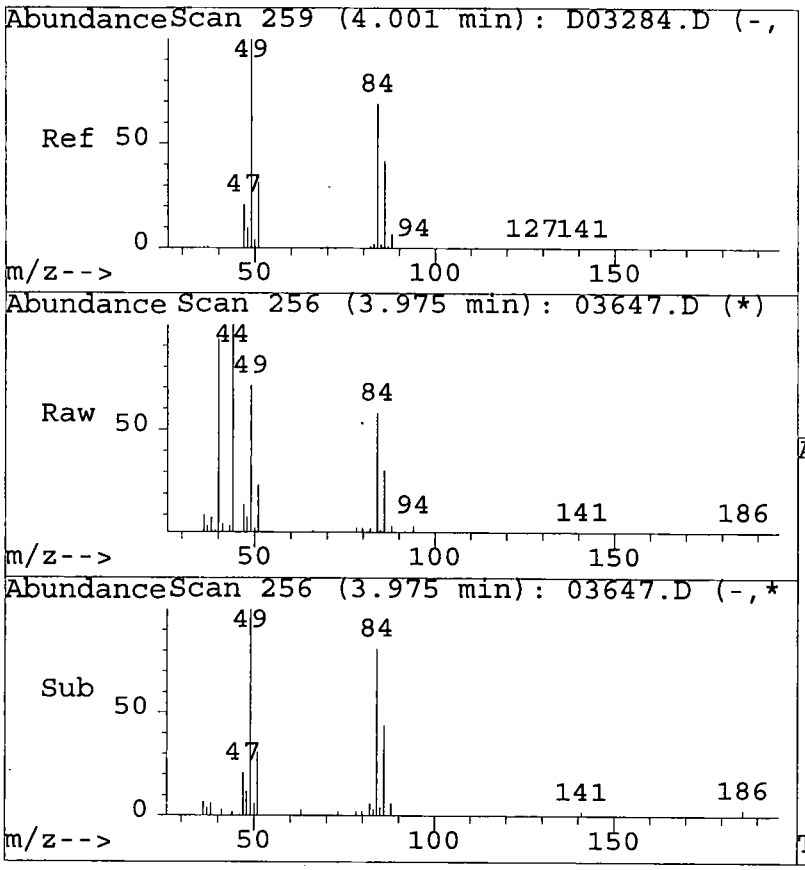


#11
Acetone
Concen: 5.44 ug/L
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: 03647.d
Acq: 4 May 98 12:26 pm

Tgt Ion:42.95 Resp: 16546

Ion	Ratio	Lower	Upper
43	100		
58	28.3	0.0	126.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

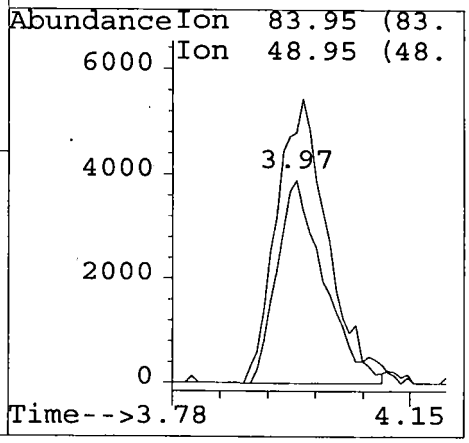


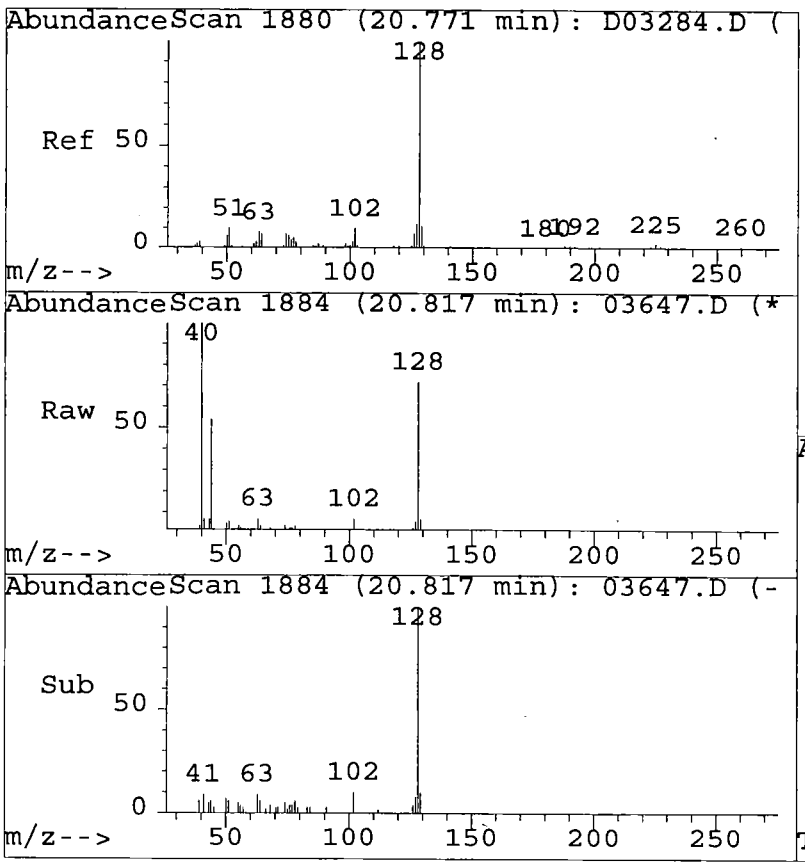


#16
Methylene Chloride
Concen: 1.64 ug/L
RT: 3.97 min Scan# 256
Delta R.T. 0.00 min
Lab File: 03647.d
Acq: 4 May 98 12:26 pm

Tgt Ion:83.95 Resp: 20191

Ion	Ratio	Lower	Upper
84	100		
49	152.6	47.6	247.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

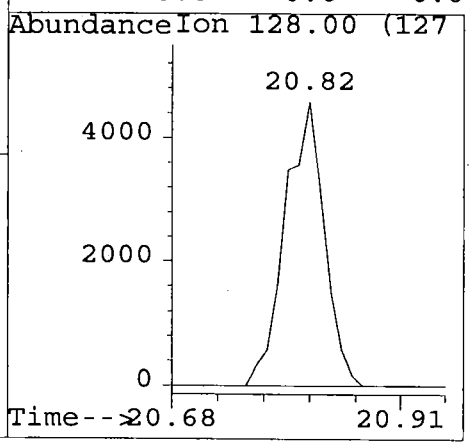




#89
Naphthalene
Concen: 0.66 ug/L
RT: 20.82 min Scan# 1884
Delta R.T. 0.02 min
Lab File: 03647.d
Acq: 4 May 98 12:26 pm

Tgt Ion:128 Resp: 12212

Ion	Ratio	Lower	Upper
128	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

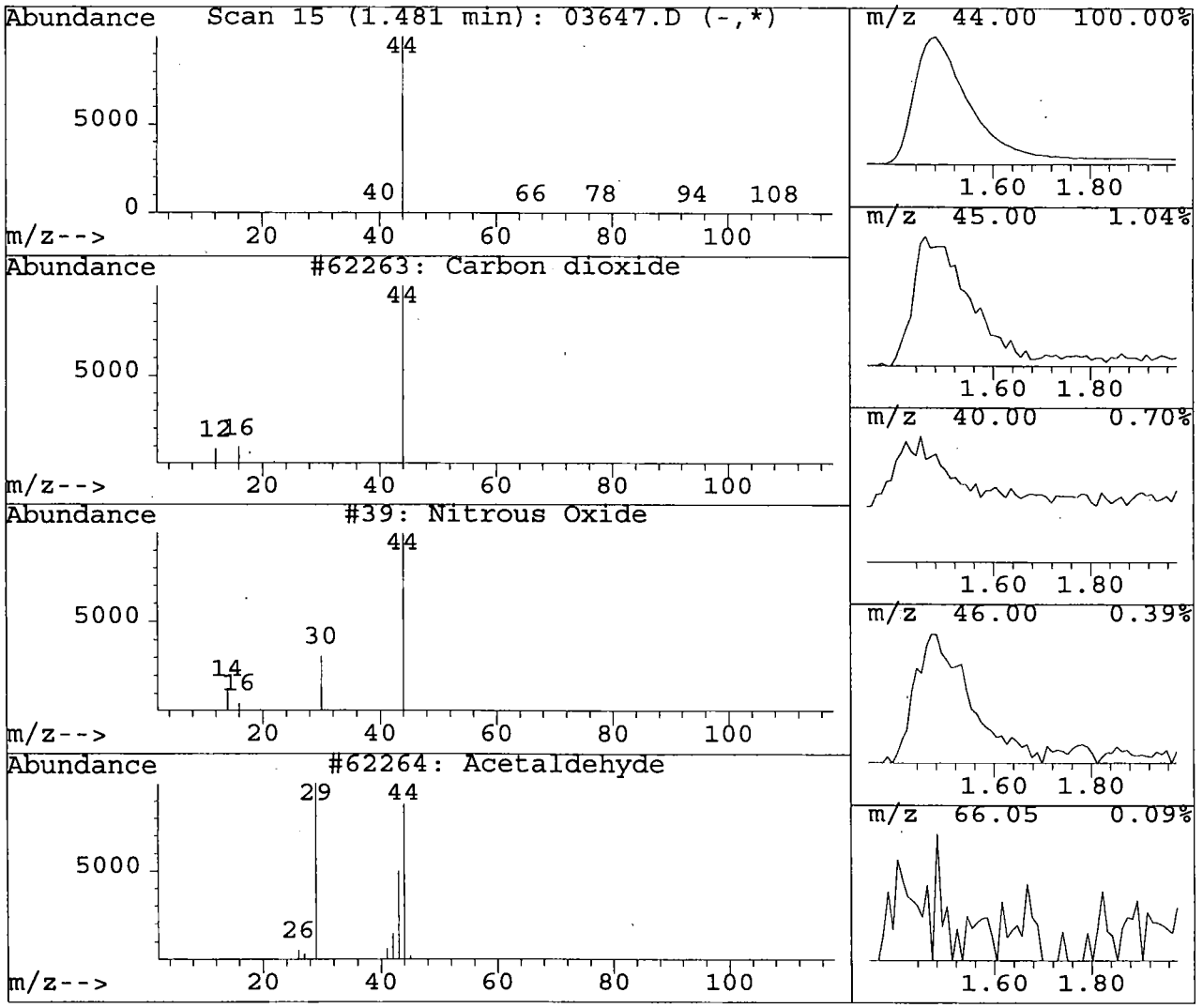
Data File : c:\hpchem\1\data\05_04_98\03647.d
Acq On : 4 May 98 12:26 pm
Sample : MB*NONE*1
Misc :

Vial: 2
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.48	96.27 ug/L	4959469	Pentafluorobenzen	2575756	6.92

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	39	010024-97-2	3
3	Acetaldehyde	62264	000075-07-0	3
4	Ethylene oxide	62267	000075-21-8	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03648.d Vial: 3
Acq On : 4 May 98 1:03 pm Operator:
Sample : SP1*NONE*1 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: May 4 14:46 1998

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	776657	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	114	1477615	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.76	117	1297826	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	152	603123	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	65	606364	45.59 ug/L	91.18%
32) Dibromofluoromethane	6.79	113	436970	46.61 ug/L	93.22%
47) Toluene-d8	10.39	98	1911989	49.32 ug/L	98.64%
51) Bromofluorobenzene	14.79	95	706657	48.20 ug/L	96.40%
Target Compounds					**Qvalue**
3) Chloromethane	1.81	50	342979	22.34 ug/L	98
4) Vinyl Chloride	1.93	62	255032	18.12 ug/L	99
5) Bromomethane	2.24	94	180028	14.03 ug/L	92
6) Chloroethane	2.35	64	148084	20.25 ug/L	95
7) Trichlorofluoromethane	2.64	101	306418	18.00 ug/L	100
8) 1,1-Dichloroethene	3.28	96	174539	19.30 ug/L	98
11) Acetone	3.39	43	54803	17.46 ug/L	95
12) Carbon Disulfide	3.54	76	742706	19.76 ug/L	98
16) Methylene Chloride	3.98	84	251095	19.75 ug/L	97
18) trans-1,2-Dichloroethene	4.43	96	203786	20.02 ug/L	98
19) 1,1-Dichloroethane	5.07	63	384198	18.29 ug/L	99
21) Vinyl Acetate	5.22	43	382776	18.80 ug/L	99
23) cis-1,2-Dichloroethene	6.00	61	327712	16.07 ug/L	90
24) 2-Butanone	6.07	72	15988	14.99 ug/L	80
28) Chloroform	6.54	83	384054	17.50 ug/L	99
29) 1,1,1-Trichloroethane	6.79	97	297142	18.91 ug/L	100
35) 1,2-Dichloroethane	7.40	62	307577	17.61 ug/L	99
36) Carbon Tetrachloride	7.06	117	215741	17.73 ug/L	99
38) Benzene	7.38	78	906867	18.12 ug/L	100
39) Trichloroethene	8.43	130	163846	16.63 ug/L	99
41) 1,2-Dichloropropane	8.75	63	220530	17.06 ug/L	99
43) Bromodichloromethane	9.23	83	293722	19.34 ug/L	99
45) cis-1,3-Dichloropropene	9.95	75	331762	17.98 ug/L	99
46) 4-Methyl-2-pentanone	10.24	43	150690	15.82 ug/L	99
48) Toluene	10.49	91	922362	17.84 ug/L	100
49) trans-1,3-Dichloropropene	10.87	75	282065	17.73 ug/L	100
50) 1,1,2-Trichloroethane	11.15	97	133346	16.22 ug/L	89
55) Tetrachloroethene	11.39	164	114473	12.71 ug/L	98
57) 2-Hexanone	11.63	43	98872	15.82 ug/L	99
58) Dibromochloromethane	11.79	129	140485	16.21 ug/L	99
59) Chlorobenzene	12.80	112	507652	18.06 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03648.d
Acq On : 4 May 98 1:03 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 4 14:46 1998

Vial: 3
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
61)	Ethylbenzene	13.02	106	269321	17.90 ug/L	97
62)	Meta + Para Xylene	13.24	106	346968	16.85 ug/L	100
64)	Xylene (total)	13.24	106	346968	17.29 ug/L	99
65)	Styrene	13.92	104	579880	16.26 ug/L	87
67)	Bromoform	14.19	173	80994	18.72 ug/L	98
70)	1,1,2,2-Tetrachloroethane	15.08	83	154128	18.05 ug/L	99

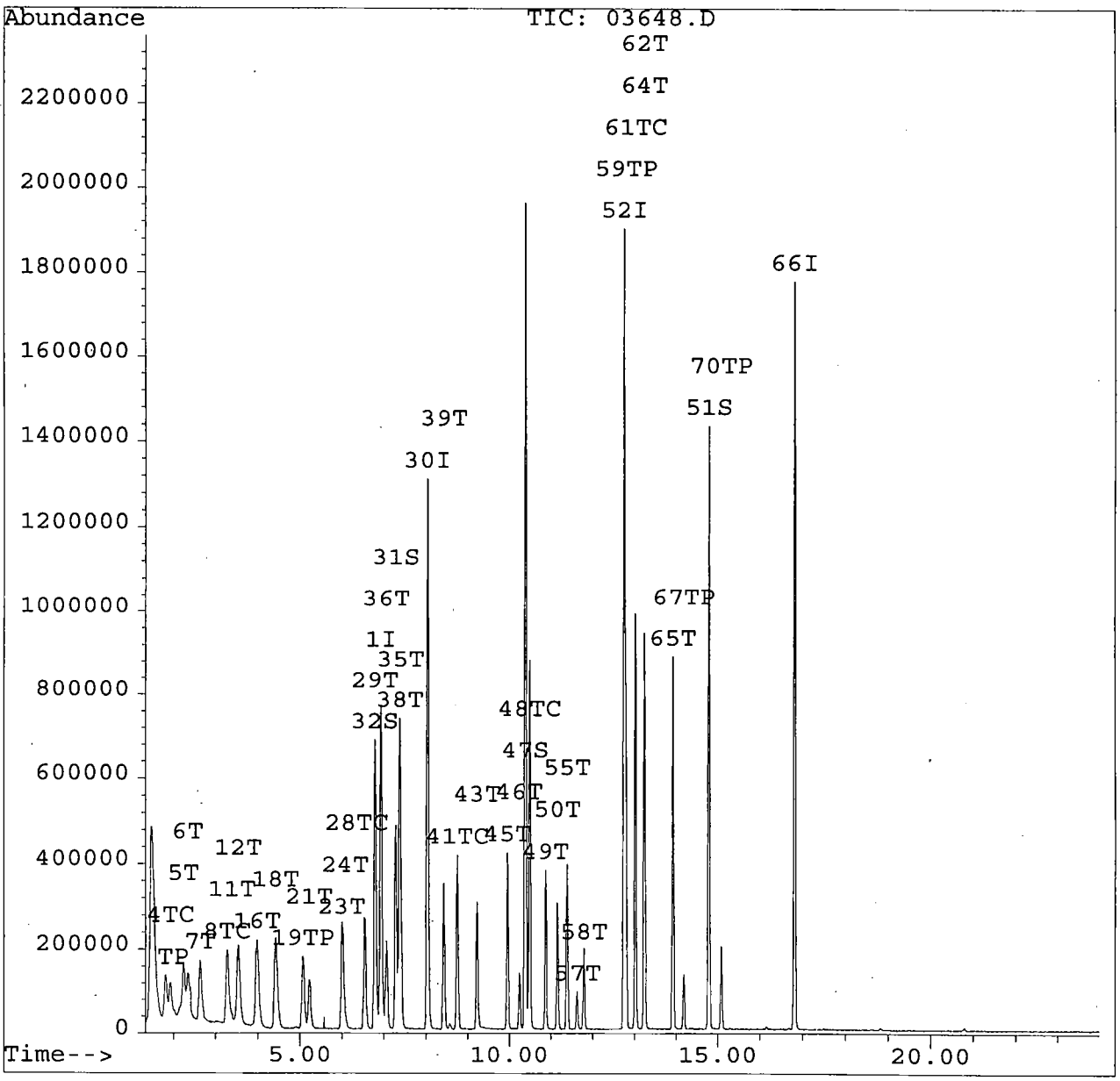
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03648.d
Acq On : 4 May 98 1:03 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 4 14:46 1998

Vial: 3
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03649.d
Acq On : 4 May 98 2:07 pm
Sample : TLCEDW1*5
Misc :
Quant Time: May 13 11:47 1998

Vial: 4
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.92	168	737269	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	114	1407603	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.76	117	1274956	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	152	600243	50.00 ug/L	0.01
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.27	65	656816	51.84 ug/L	103.68%
32) Dibromofluoromethane	6.78	113	436172	48.84 ug/L	97.68%
47) Toluene-d8	10.38	98	1916055	51.88 ug/L	103.77%
51) Bromofluorobenzene	14.79	95	732609	52.46 ug/L	104.92%
Target Compounds					Qvalue
4) Vinyl Chloride	1.92	62	23771	1.78 ug/L	99
19) 1,1-Dichloroethane	5.08	63	16179	0.81 ug/L	96
23) cis-1,2-Dichloroethene	6.00	61	38558	1.99 ug/L	90
38) Benzene	7.38	78	138133	2.90 ug/L	100
39) Trichloroethene	8.42	130	14253	1.52 ug/L	97
48) Toluene	10.48	91	45379	0.92 ug/L	95
59) Chlorobenzene	12.81	112	10977047	~~397.51~~ ug/L	99
61) Ethylbenzene	13.03	106	12778	0.86 ug/L	96
62) Meta + Para Xylene	13.23	106	19340	0.96 ug/L	100

59) Chlorobenzene – 405.51 ug/L reported from 5x d.l. 03666

Xylene (total) – 0.96 ug/L

data included
05/13/98

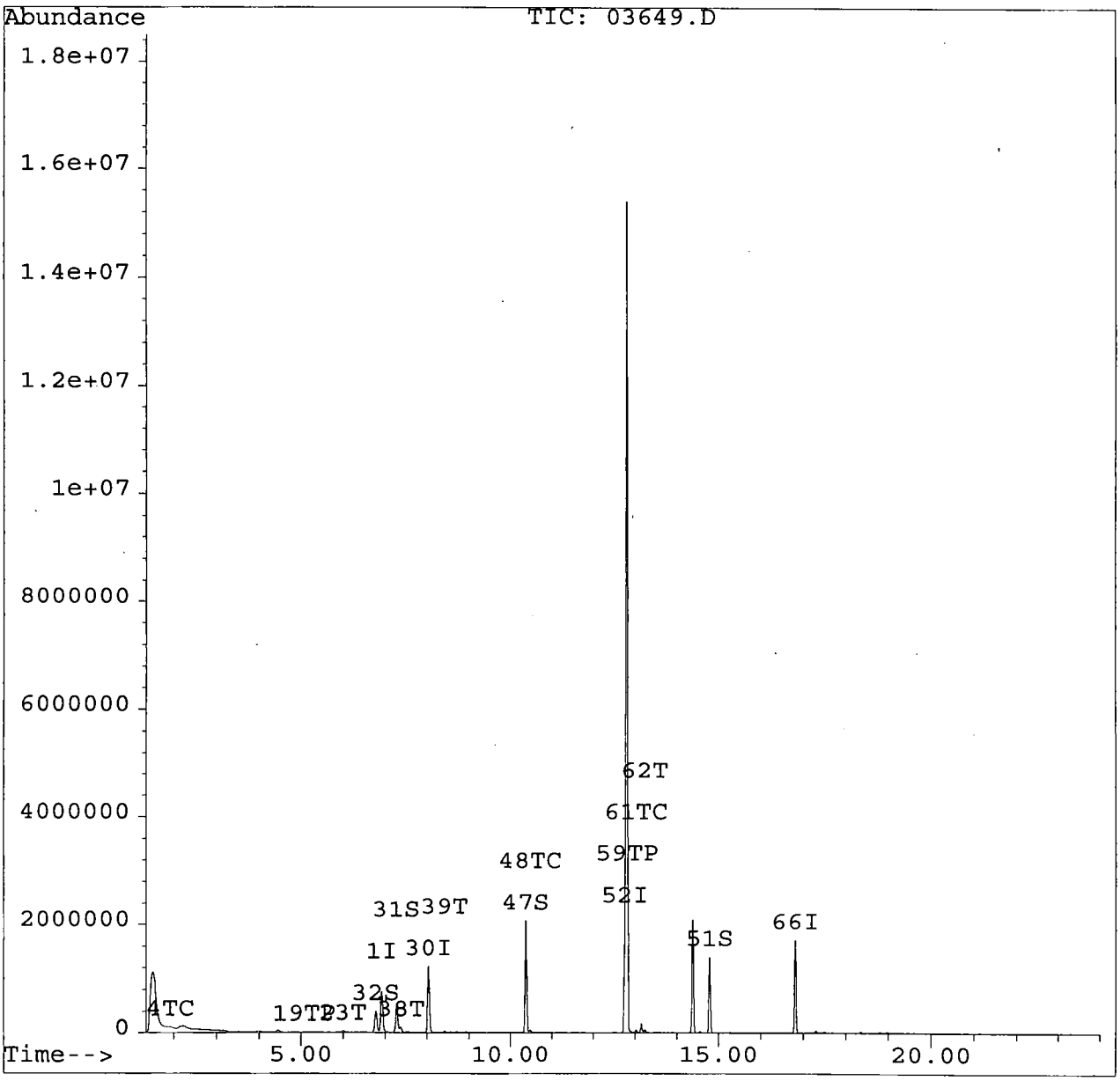
(#) = qualifier out of range (m) = manual integration
03649.d W8260ALL.M Wed May 13 11:49:45 1998 RP1 Page 1

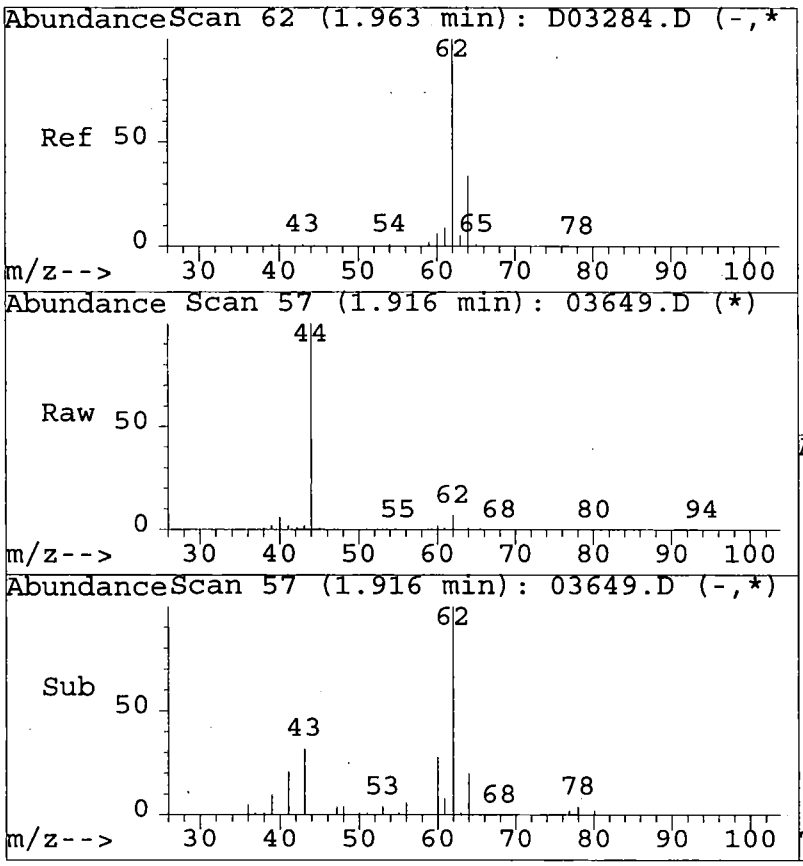
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03649.d
Acq On : 4 May 98 2:07 pm
Sample : TLCEDW1*5
Misc :
Quant Time: May 13 11:47 1998

Vial: 4
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

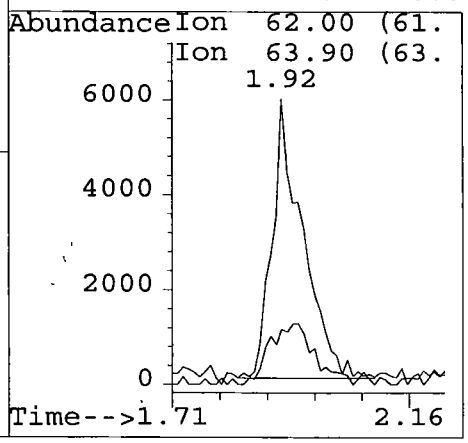


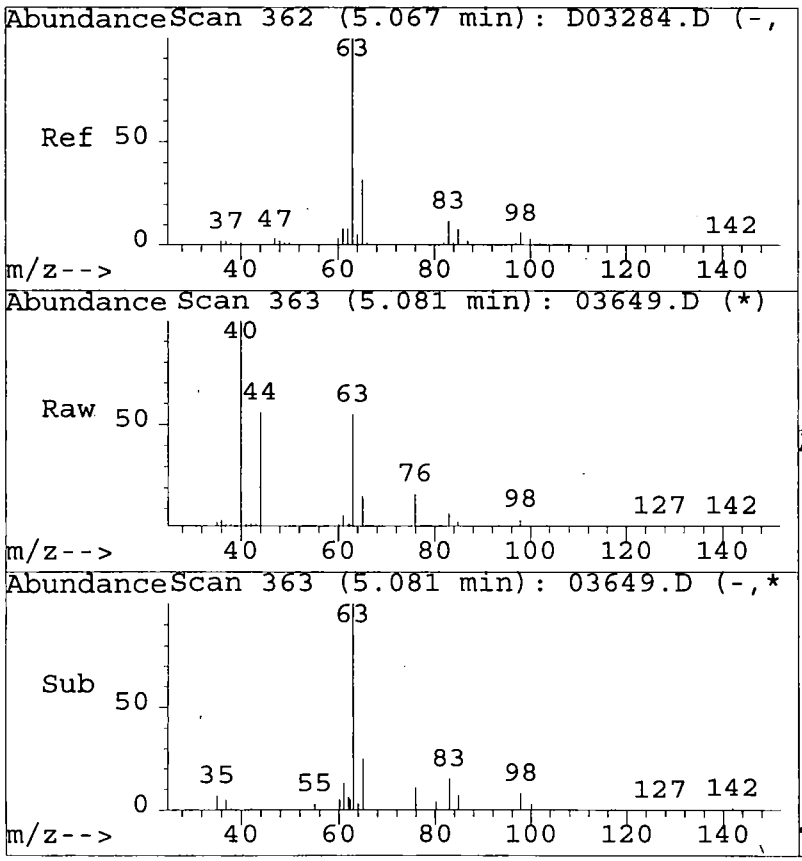


#4
Vinyl Chloride
Concen: 1.78 ug/L
RT: 1.92 min Scan# 57
Delta R.T. -0.01 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:62 Resp: 23771

Ion	Ratio	Lower	Upper
62	100		
64	32.1	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

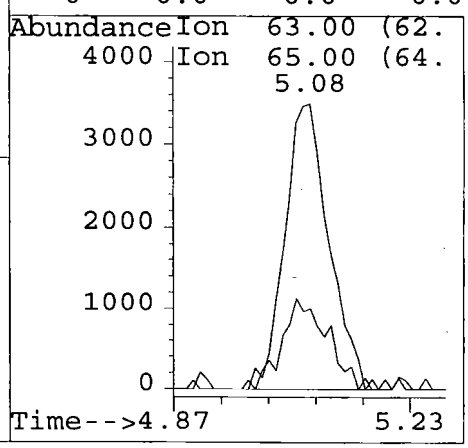


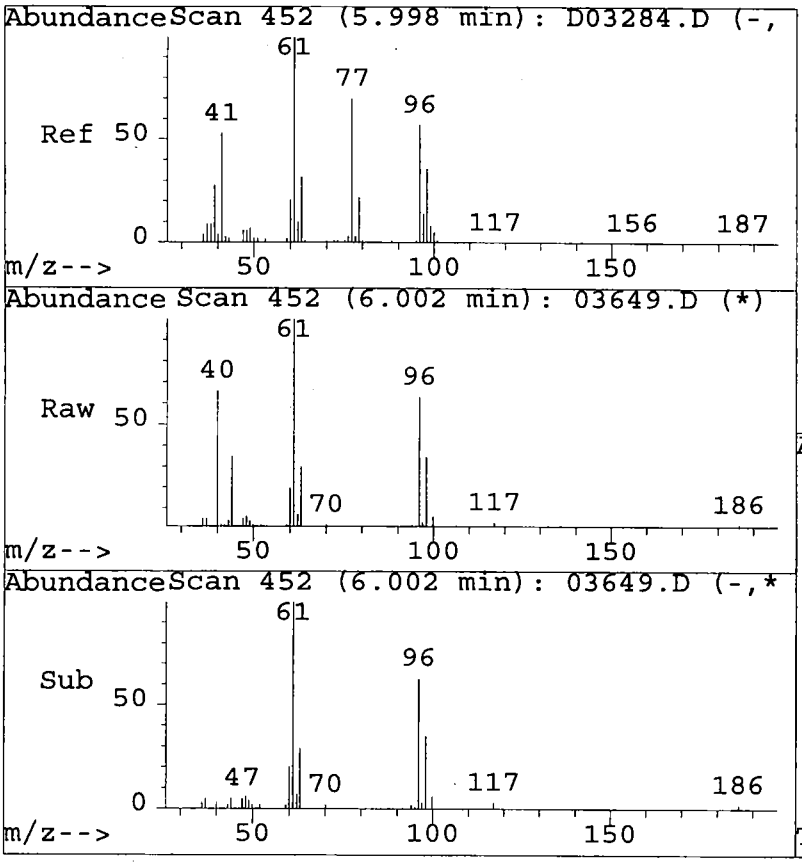


#19
1,1-Dichloroethane
Concen: 0.81 ug/L
RT: 5.08 min Scan# 363
Delta R.T. 0.01 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:63 Resp: 16179

Ion	Ratio	Lower	Upper
63	100		
65	33.3	0.0	131.2
0	0.0	0.0	0.0
0	0.0	0.0	0.0

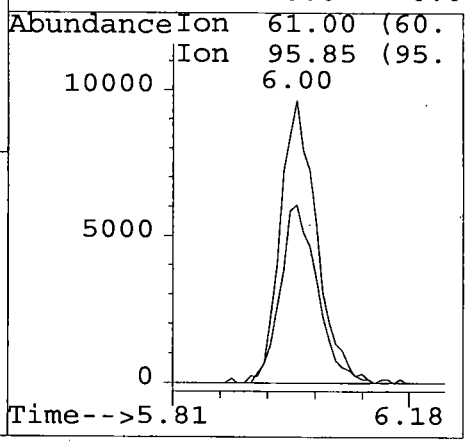


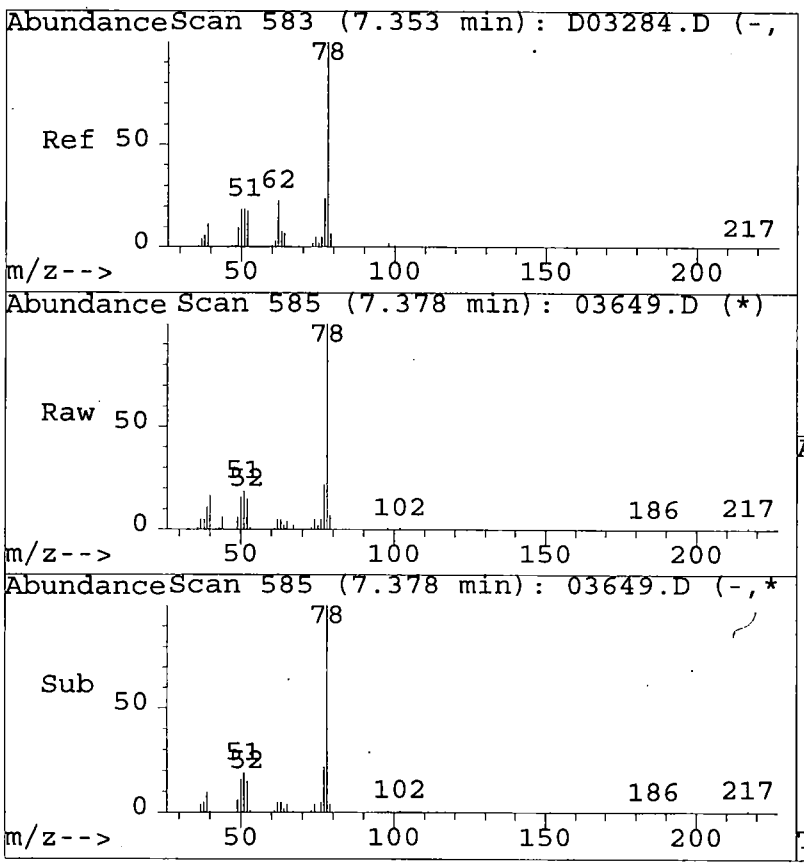


#23
cis-1,2-Dichloroethene
Concen: 1.99 ug/L
RT: 6.00 min Scan# 452
Delta R.T. 0.01 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:61 Resp: 38558

Ion	Ratio	Lower	Upper
61	100		
96	64.3	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

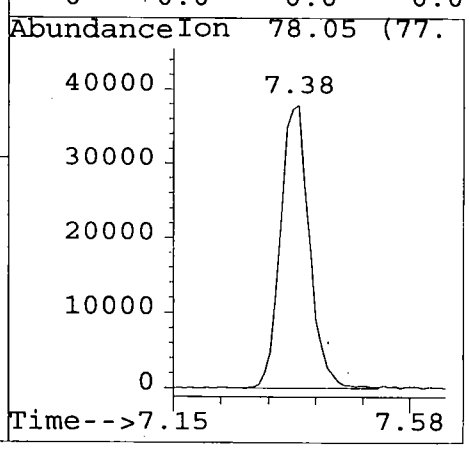


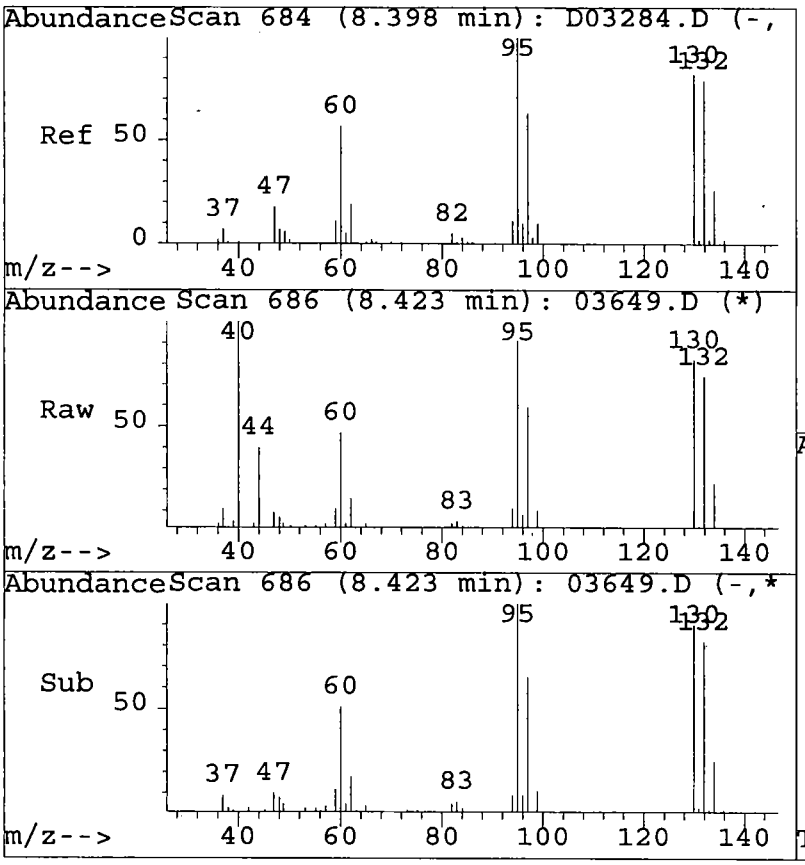


#38
Benzene
Concen: 2.90 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:78.05 Resp: 138133

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

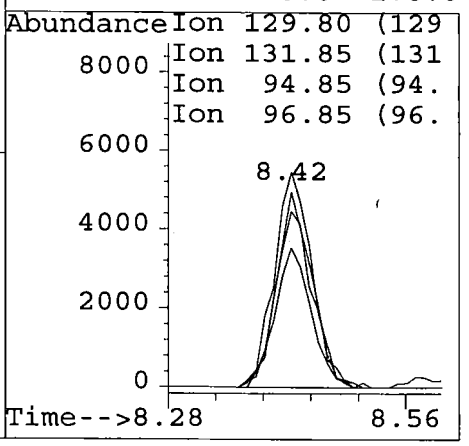


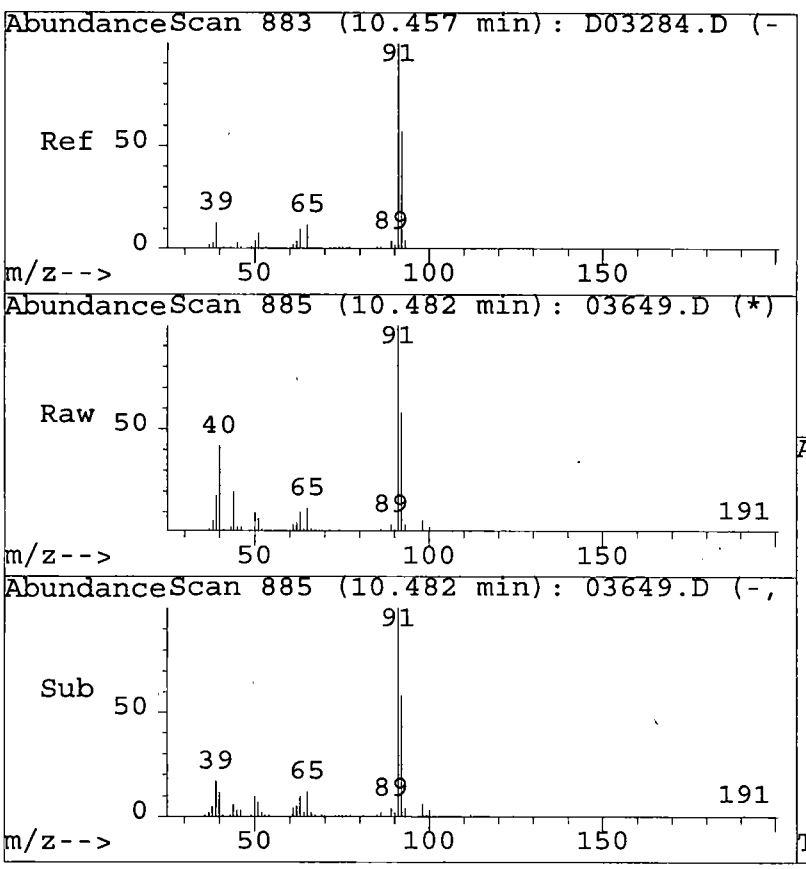


#39
Trichloroethene
Concen: 1.52 ug/L
RT: 8.42 min Scan# 686
Delta R.T. 0.01 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:129.8 Resp: 14253

Ion	Ratio	Lower	Upper
130	100		
132	93.3	0.0	195.8
95	116.5	19.7	219.7
97	73.8	0.0	176.0

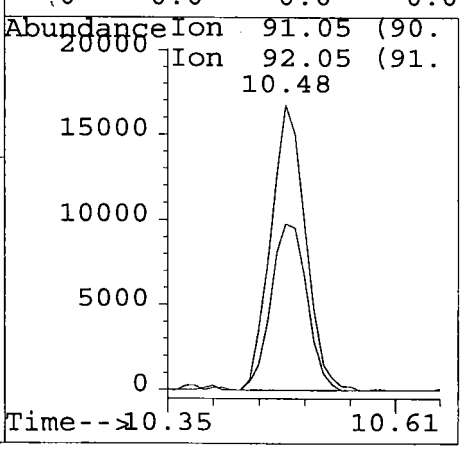


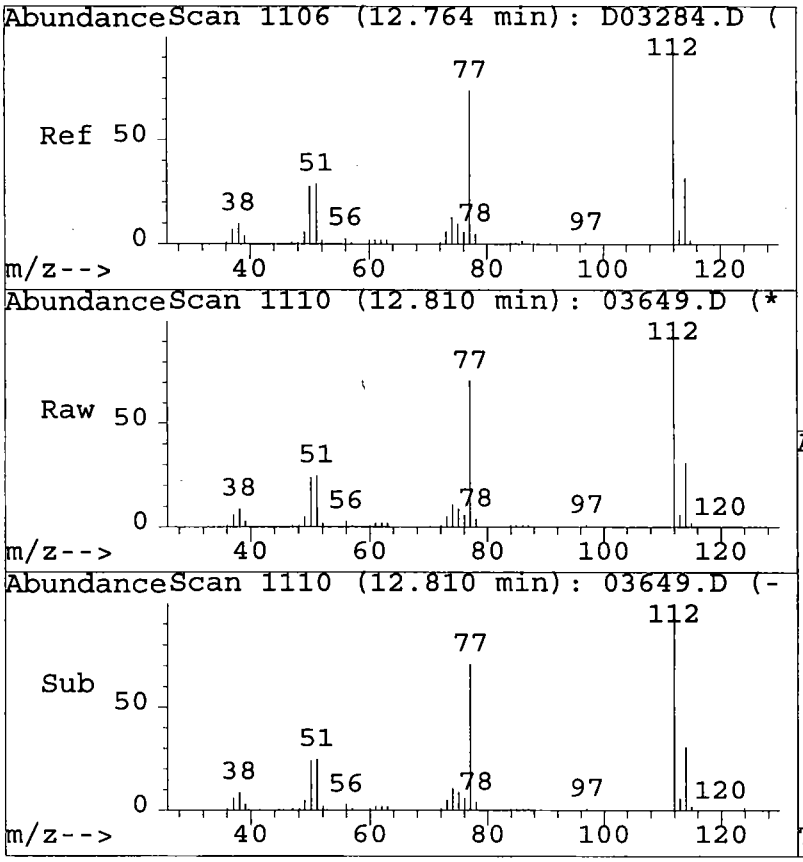


#48
Toluene
Concen: 0.92 ug/L
RT: 10.48 min Scan# 885
Delta R.T. 0.01 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:91.05 Resp: 45379

Ion	Ratio	Lower	Upper
91	100		
92	60.6	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

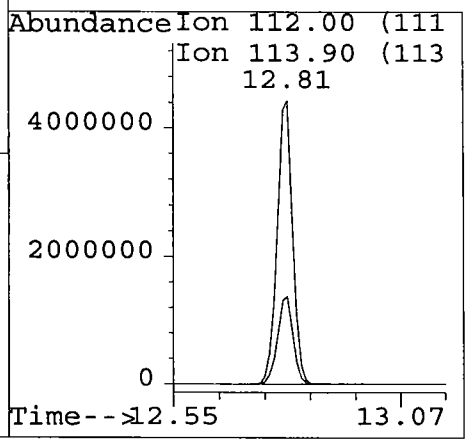


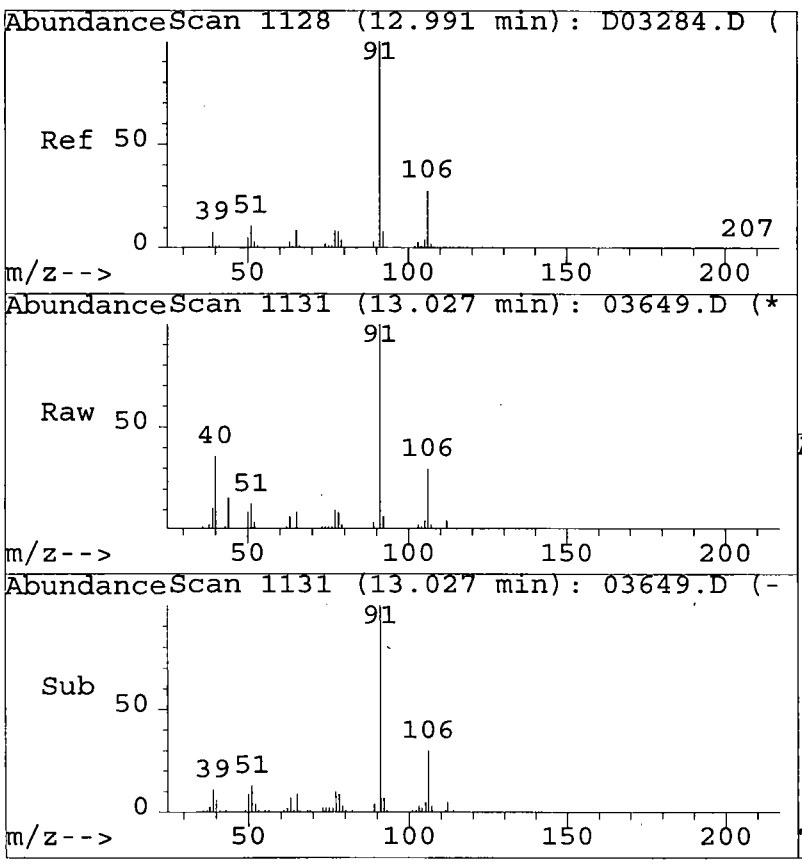


#59
Chlorobenzene
Concen: 397.51 ug/L
RT: 12.81 min Scan# 1110
Delta R.T. 0.02 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:112 Resp:10977047

Ion	Ratio	Lower	Upper
112	100		
114	31.2	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

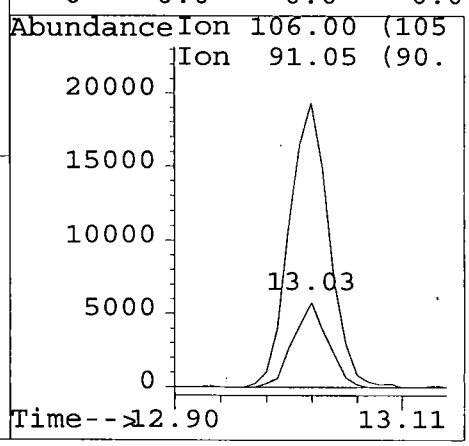


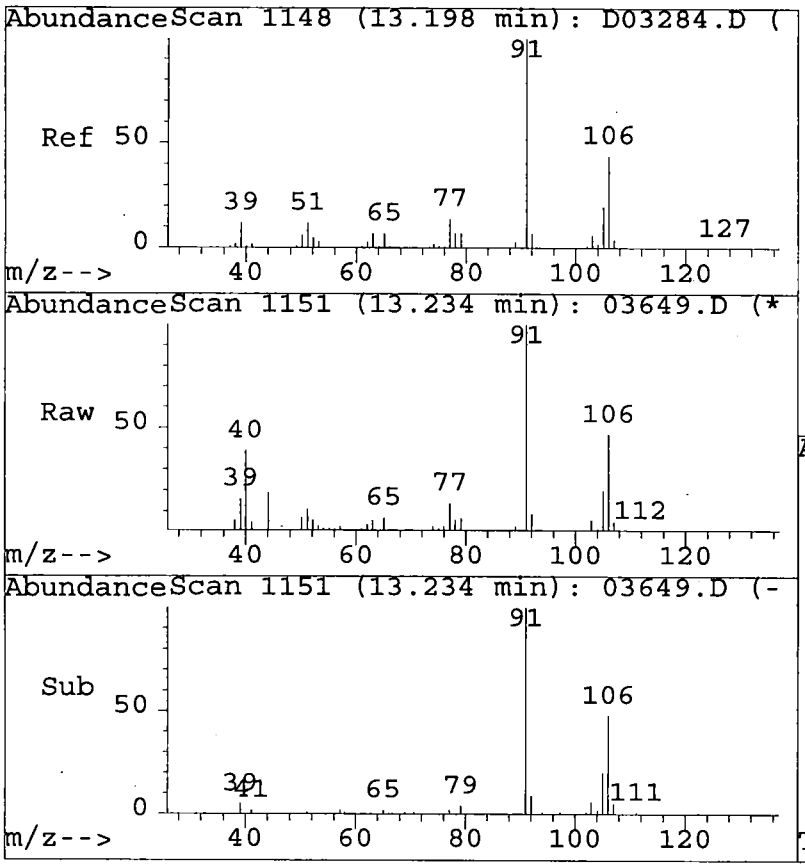


#61
Ethylbenzene
Concen: 0.86 ug/L
RT: 13.03 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:106 Resp: 12778

Ion	Ratio	Lower	Upper
106	100		
91	381.3	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

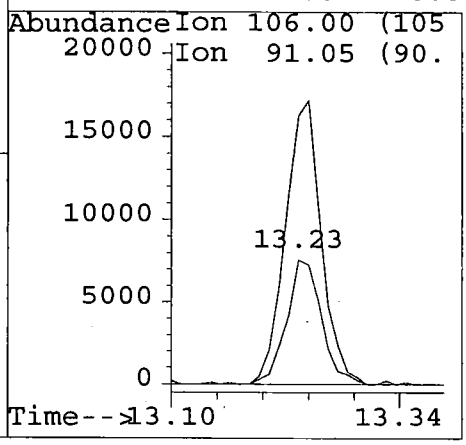




#62
Meta + Para Xylene
Concen: 0.96 ug/L
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03649.d
Acq: 4 May 98 2:07 pm

Tgt Ion:106 Resp: 19340

Ion	Ratio	Lower	Upper
106	100		
91	233.5	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03650.d
Acq On : 4 May 98 2:37 pm
Sample : SPM1*TLCEDW1*5
Misc :
Quant Time: May 13 11:48 1998

Vial: 5
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.92	168	764087	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	114	1438006	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.76	117	1303499	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	152	609219	50.00 ug/L	0.01
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	65	629034	48.60 ug/L	97.20%
32) Dibromofluoromethane	6.79	113	412192	45.18 ug/L	90.35%
47) Toluene-d8	10.38	98	1707608	45.26 ug/L	90.52%
51) Bromofluorobenzene	14.80	95	640173	44.87 ug/L	89.74%
Target Compounds					**Qvalue**
4) Vinyl Chloride	1.94	62	23774	1.72 ug/L	95
8) 1,1-Dichloroethene	3.29	96	413118	46.44 ug/L	99
12) Carbon Disulfide	3.54	76	41503	1.12 ug/L	96
19) 1,1-Dichloroethane	5.07	63	14451	0.70 ug/L	86
23) cis-1,2-Dichloroethene	6.01	61	35960	1.79 ug/L	86
38) Benzene	7.37	78	2517389	51.69 ug/L	100
39) Trichloroethene	8.42	130	423615	44.17 ug/L	99
48) Toluene	10.49	91	2456247	48.82 ug/L	100
59) Chlorobenzene	12.81	112	12703245	449.95 ug/L	99
61) Ethylbenzene	13.03	106	13035	0.86 ug/L	98
62) Meta + Para Xylene	13.24	106	19313	0.93 ug/L	99

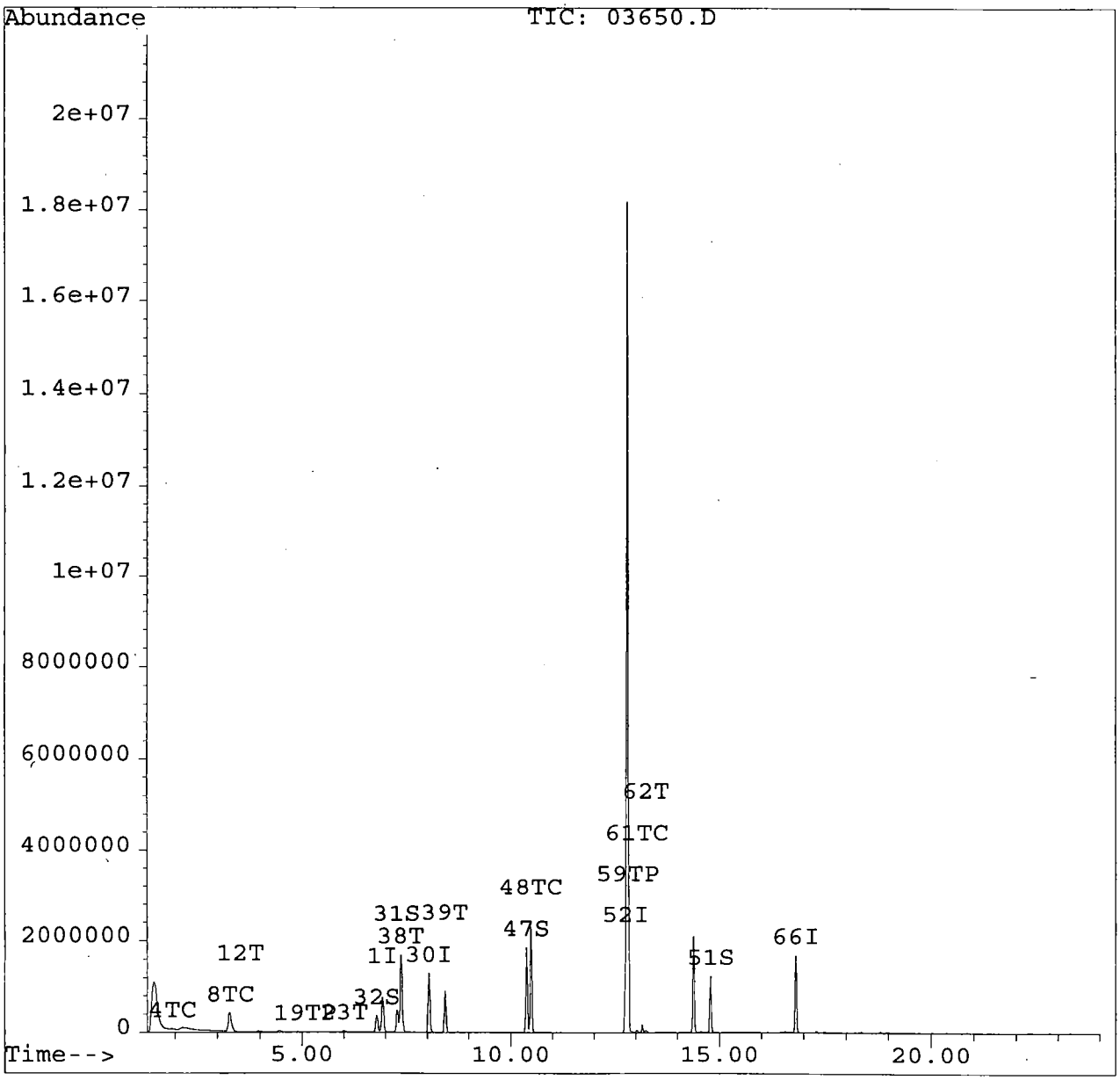
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03650.d
Acq On : 4 May 98 2:37 pm
Sample : SPM1*TLCEDW1*5
Misc :
Quant Time: May 13 11:48 1998

Vial: 5
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03651.d
Acq On : 4 May 98 3:08 pm
Sample : SPM2*TLCEDW1*5
Misc :
Quant Time: May 13 11:48 1998

Vial: 6
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	741186	50.00 ug/L	0.01
30) 1,4-Difluorobenzene	8.04	114	1400423	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.76	117	1260175	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	152	574037	50.00 ug/L	0.01
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	65	613913	48.70 ug/L	97.41%
32) Dibromofluoromethane	6.79	113	413881	46.58 ug/L	93.16%
47) Toluene-d8	10.38	98	1799452	48.98 ug/L	97.95%
51) Bromofluorobenzene	14.80	95	669575	48.19 ug/L	96.38%
Target Compounds					**Qvalue**
4) Vinyl Chloride	1.92	62	21429	1.60 ug/L	97
8) 1,1-Dichloroethene	3.29	96	401191	46.50 ug/L	99
12) Carbon Disulfide	3.54	76	44631	1.24 ug/L	97
19) 1,1-Dichloroethane	5.06	63	14998	0.75 ug/L	97
23) cis-1,2-Dichloroethene	6.00	61	35214	1.81 ug/L	87
28) Chloroform	6.54	83	15274	0.73 ug/L	98
38) Benzene	7.38	78	2430176	51.24 ug/L	100
39) Trichloroethene	8.43	130	413741	44.30 ug/L	99
48) Toluene	10.49	91	2380840	48.59 ug/L	99
59) Chlorobenzene	12.81	112	12204851	447.16 ug/L	99
61) Ethylbenzene	13.04	106	12249	0.84 ug/L	98
62) Meta + Para Xylene	13.24	106	19074	0.95 ug/L	94

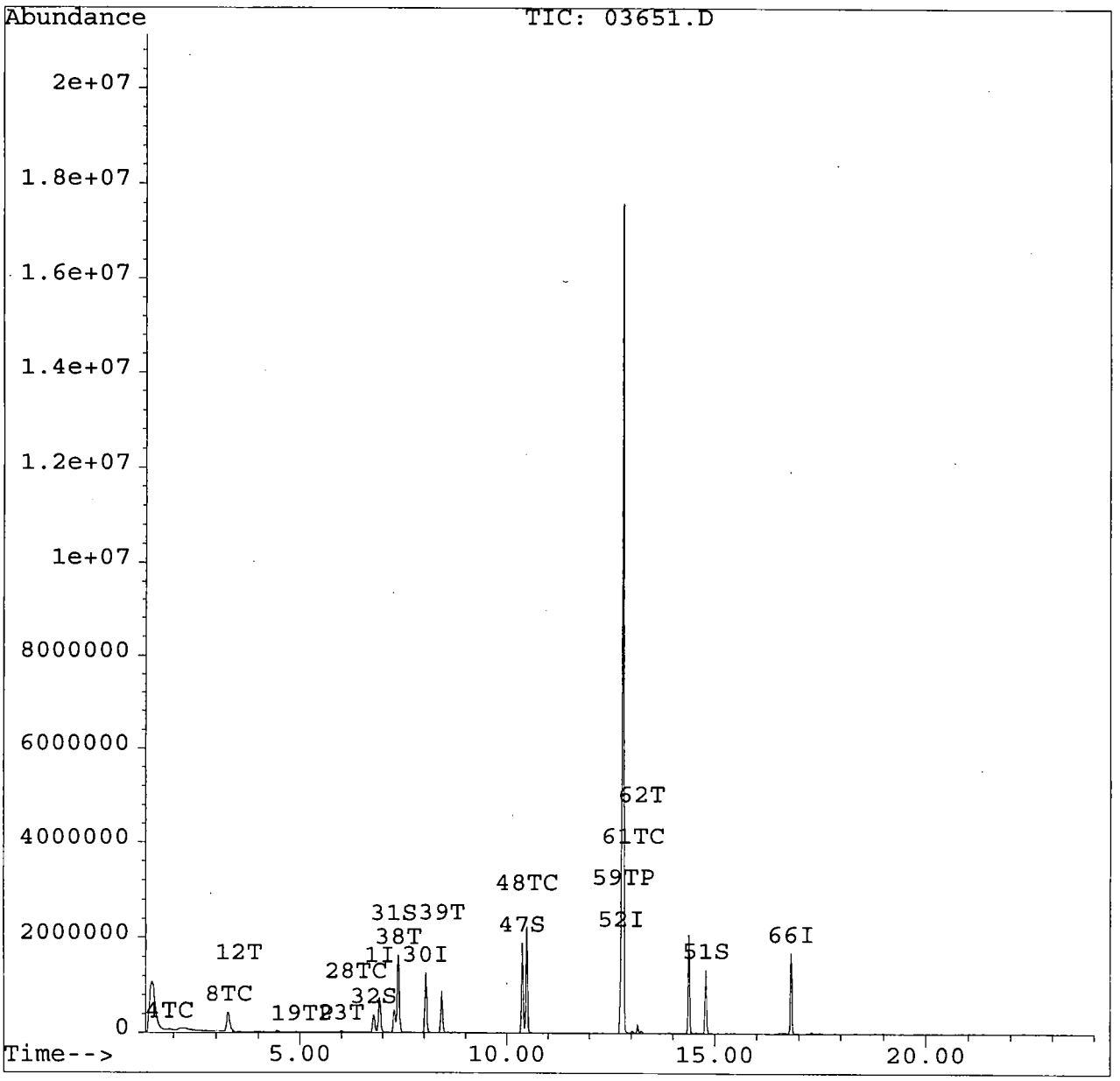
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03651.d
Acq On : 4 May 98 3:08 pm
Sample : SPM2*TLCEDW1*5
Misc :
Quant Time: May 13 11:48 1998

Vial: 6
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03652.d
Acq On : 4 May 98 3:38 pm
Sample : TLCEDW1*1
Misc :
Quant Time: May 12 15:39 1998

Vial: 7
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	721002	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.05	114	1333565	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.77	117	1363510	50.00 ug/L	0.03
66) 1,4-Dichlorobenzene-d4	16.82	152	611999	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.28	65	614978	51.23 ug/L	102.47%
32) Dibromofluoromethane	6.79	113	411143	48.59 ug/L	97.18%
47) Toluene-d8	10.38	98	1741800	49.78 ug/L	99.57%
51) Bromofluorobenzene	14.79	95	717732	54.25 ug/L	108.49%
Target Compounds					Qvalue
4) Vinyl Chloride	1.93	62	837873	64.13 ug/L	100
8) 1,1-Dichloroethene	3.29	96	12692	1.51 ug/L	96
11) Acetone	3.37	43	46319	15.89 ug/L	91
12) Carbon Disulfide	3.56	76	148371	4.25 ug/L	98
18) trans-1,2-Dichloroethene	4.43	96	156008	16.51 ug/L	96
19) 1,1-Dichloroethane	5.09	63	18634	0.96 ug/L	94
28) Chloroform	6.55	83	13052	0.64 ug/L	95
38) Benzene	7.37	78	568895	12.60 ug/L	100
39) Trichloroethene	8.43	130	109224	12.28 ug/L	93
48) Toluene	10.49	91	4024214	86.24 ug/L	100
55) Tetrachloroethene	11.39	164	78841	8.33 ug/L	99
59) Chlorobenzene	12.82	112	31901387 ~~*1080.22~~	ug/L	31
61) Ethylbenzene	13.03	106	147289	9.32 ug/L	96
62) Meta + Para Xylene	13.24	106	249207	**11.52 ug/L	99
63) Ortho Xylene	13.90	106	216667	10.88 ug/L	99

~~23) cis-1,2-Dichloroethene - 2750.01 ug/L~~

*23) cis-1,2 Dichloroethene - 2415.03 From 40X dil 03673.d

*59) Chlorobenzene - 1957.63 ug/L from 40X dil 03673

** Xylene (total) - 22.40 ug/L

05/13/98

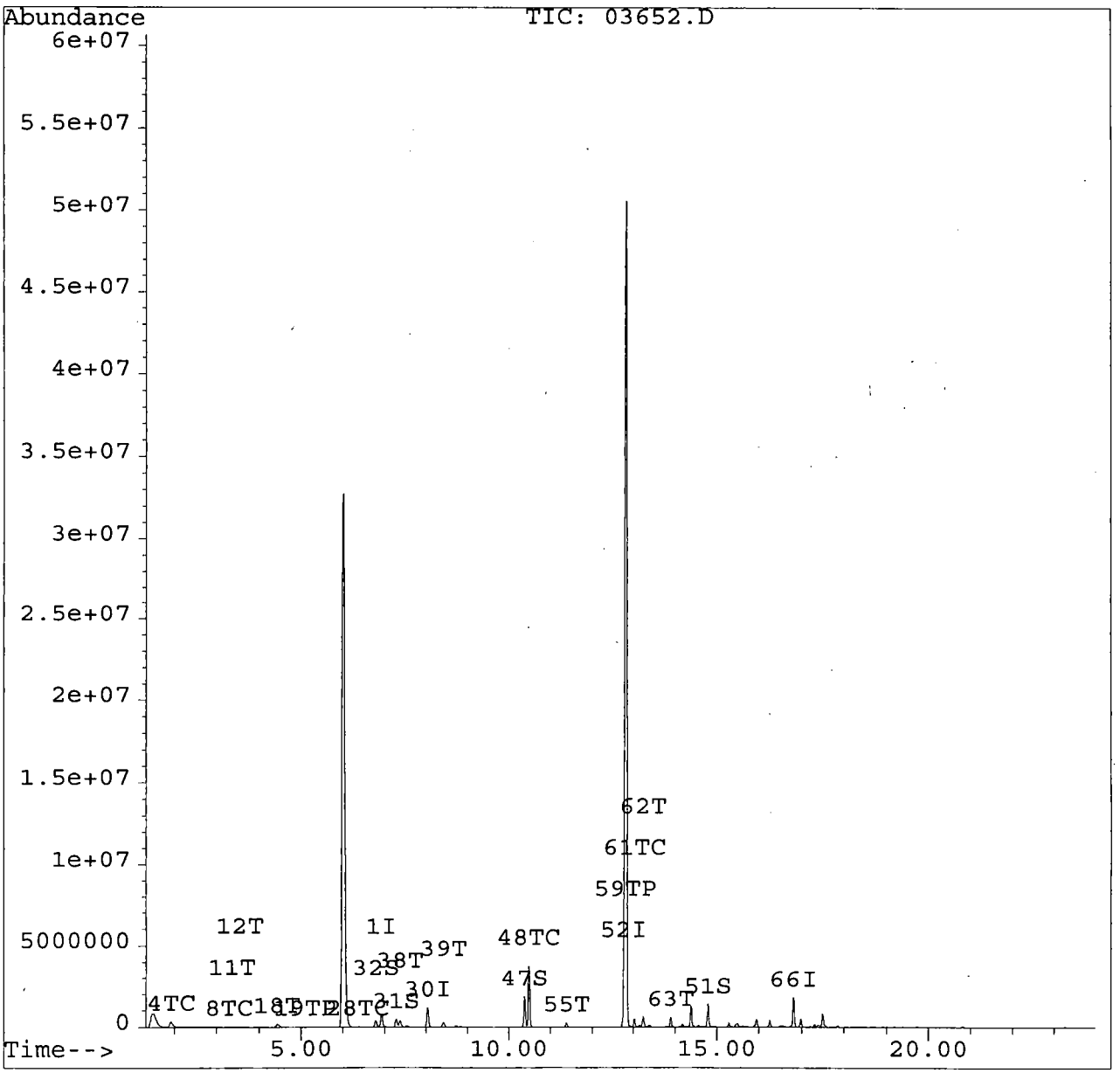
(#) = qualifier out of range (m) = manual integration
03652.d W8260ALL.M Tue May 12 15:57:01 1998 RP1 Page 1

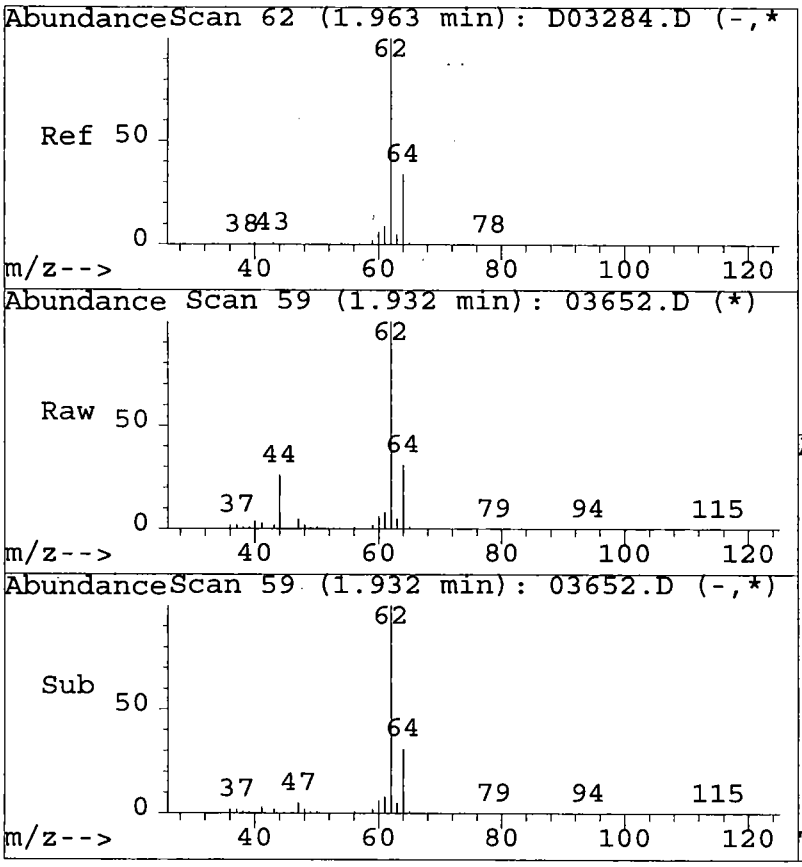
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03652.d
Acq On : 4 May 98 3:38 pm
Sample : TLCEDW1*1
Misc :
Quant Time: May 12 15:39 1998

Vial: 7
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

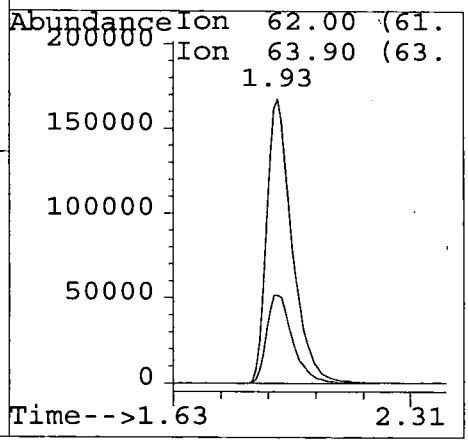


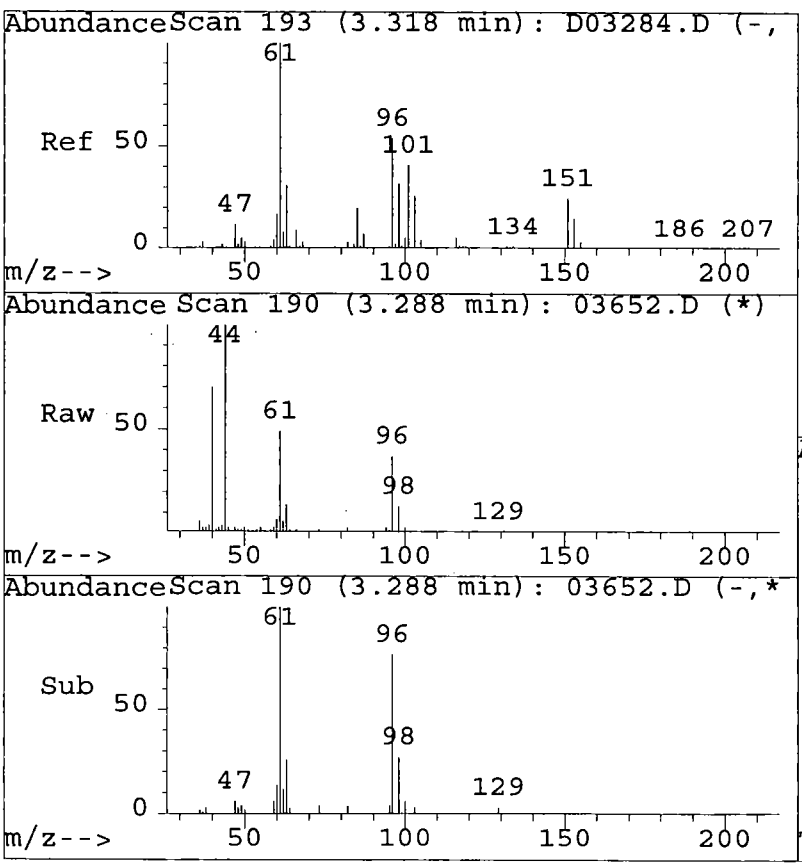


#4
Vinyl Chloride
Concen: 64.13 ug/L
RT: 1.93 min Scan# 59
Delta R.T. 0.01 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:62 Resp: 837873

Ion	Ratio	Lower	Upper
62	100		
64	31.9	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

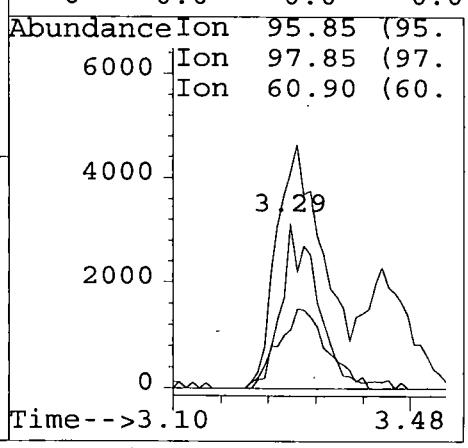


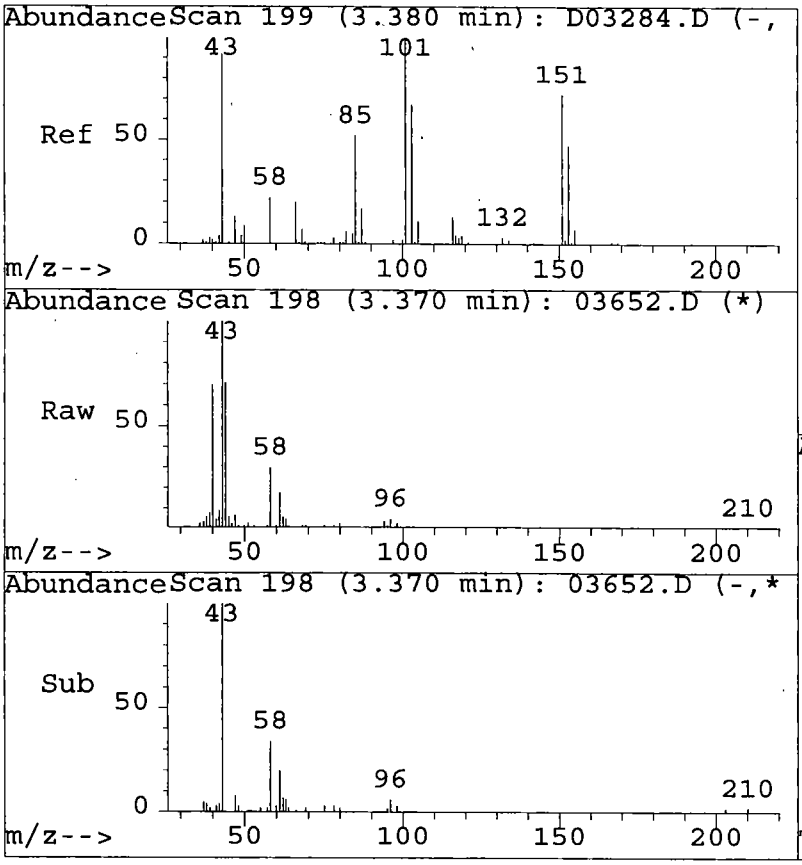


#8
1,1-Dichloroethene
Concen: 1.51 ug/L
RT: 3.29 min Scan# 190
Delta R.T. 0.01 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:95.85 Resp: 12692

Ion	Ratio	Lower	Upper
96	100		
98	60.9	0.0	163.7
61	184.4	91.3	291.3
0	0.0	0.0	0.0

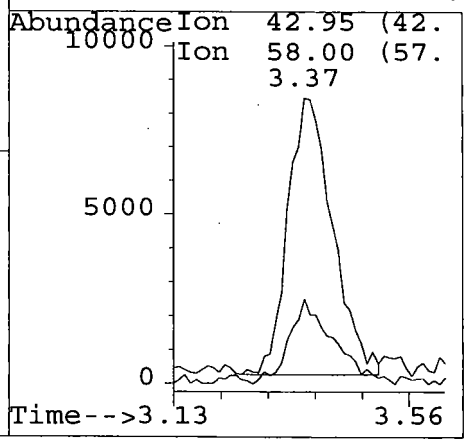


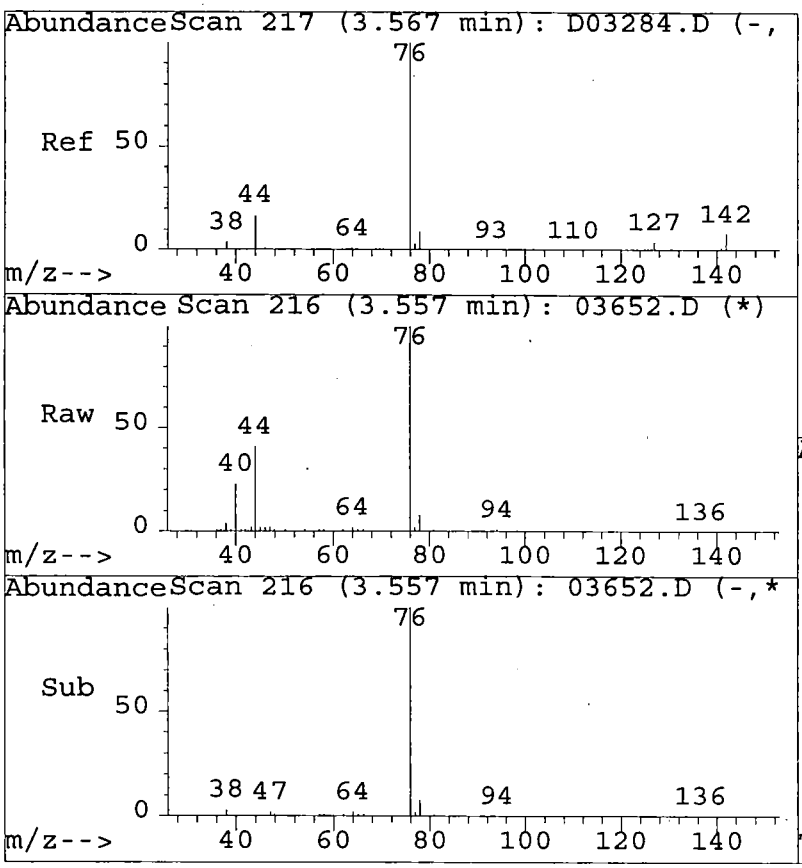


#11
Acetone
Concen: 15.89 ug/L
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:42.95 Resp: 46319

Ion	Ratio	Lower	Upper
43	100		
58	30.8	0.0	126.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

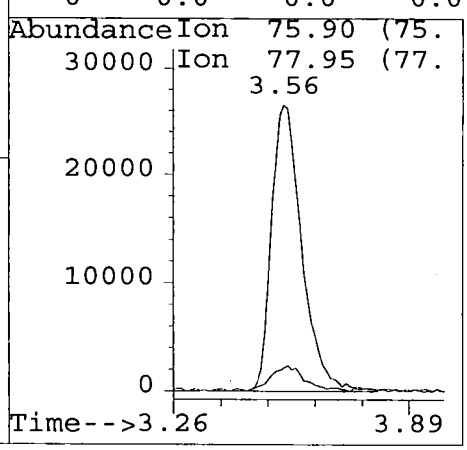


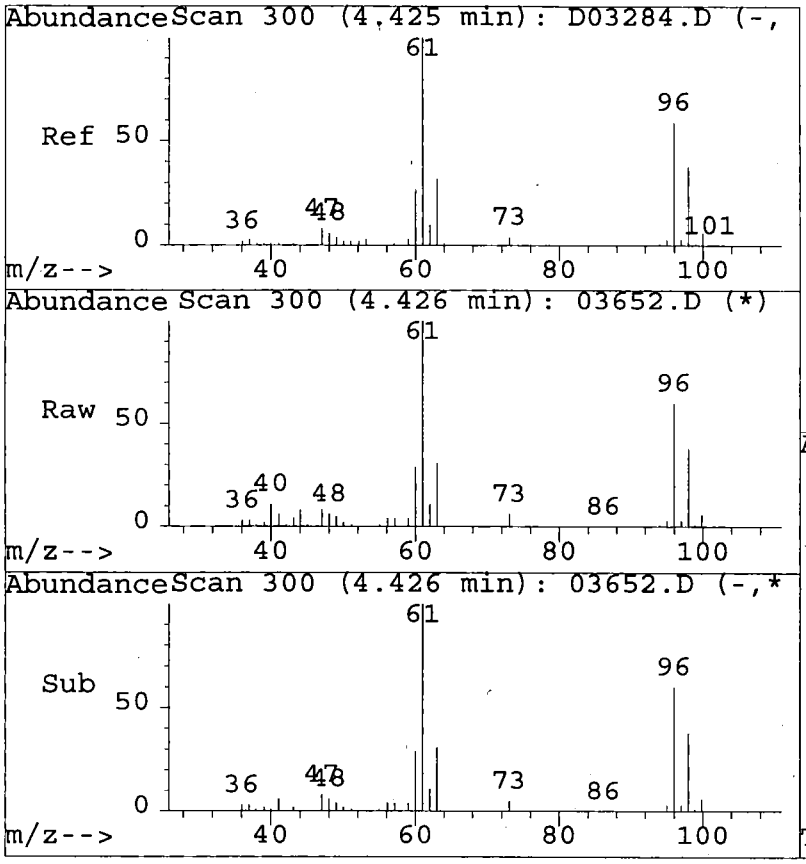


#12
Carbon Disulfide
Concen: 4.25 ug/L
RT: 3.56 min Scan# 216
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:75.9 Resp: 148371

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	208.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

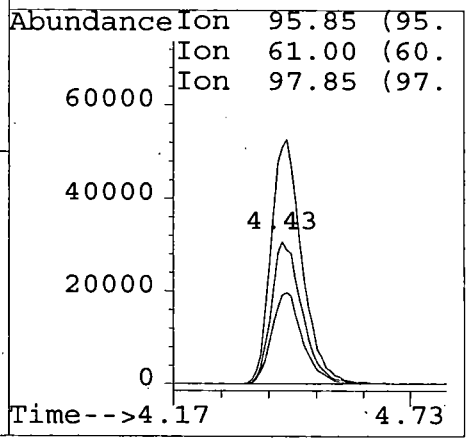


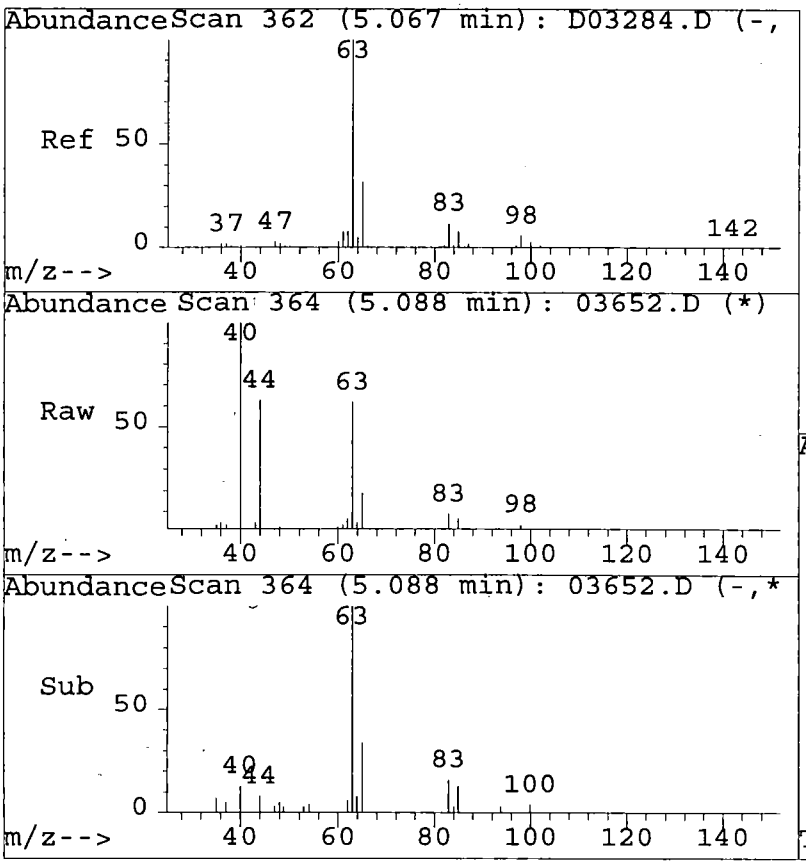


#18
trans-1,2-Dichloroethene
Concen: 16.51 ug/L
RT: 4.43 min Scan# 300
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:95.85 Resp: 156008

Ion	Ratio	Lower	Upper
96	100		
61	173.2	134.2	201.3
98	64.6	50.2	75.3
0	0.0	0.0	0.0

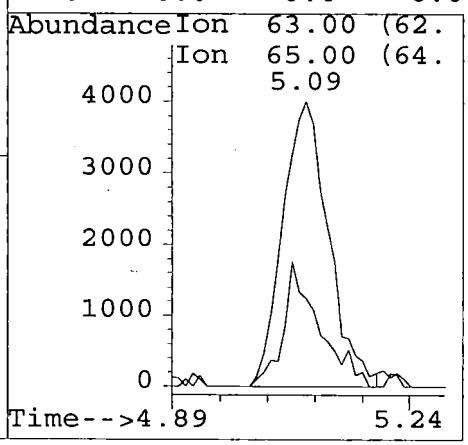


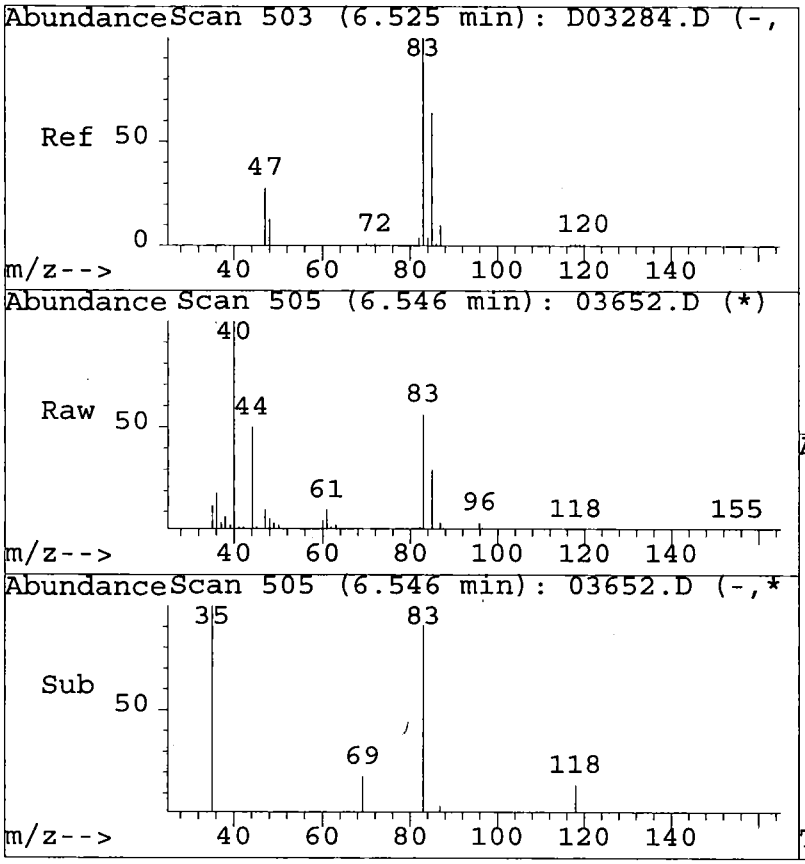


#19
1,1-Dichloroethane
Concen: 0.96 ug/L
RT: 5.09 min Scan# 364
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:63 Resp: 18634

Ion	Ratio	Lower	Upper
63	100		
65	34.7	0.0	131.2
0	0.0	0.0	0.0
0	0.0	0.0	0.0

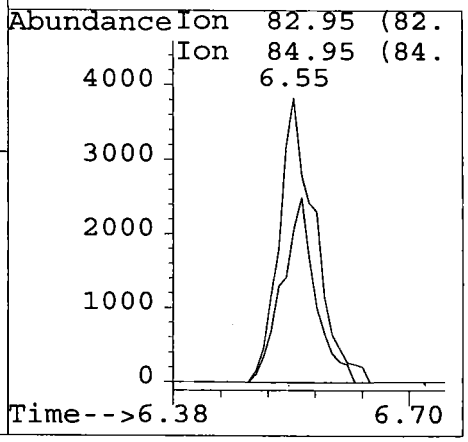


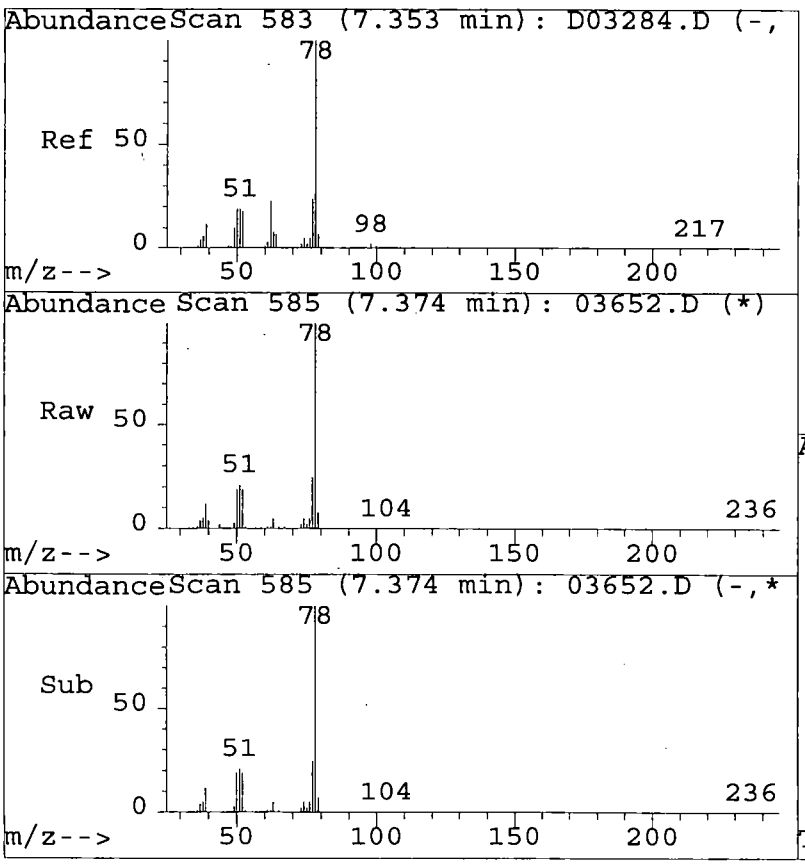


#28
Chloroform
Concen: 0.64 ug/L
RT: 6.55 min Scan# 505
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:82.95 Resp: 13052

Ion	Ratio	Lower	Upper
83	100		
85	60.2	0.0	164.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

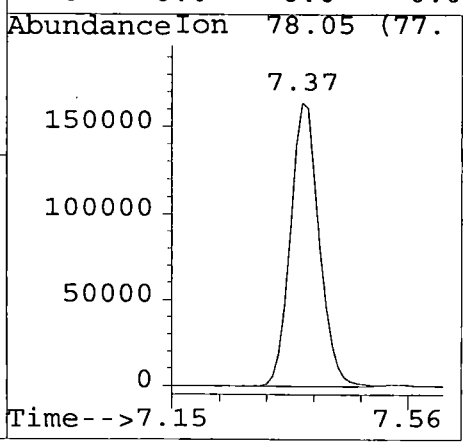


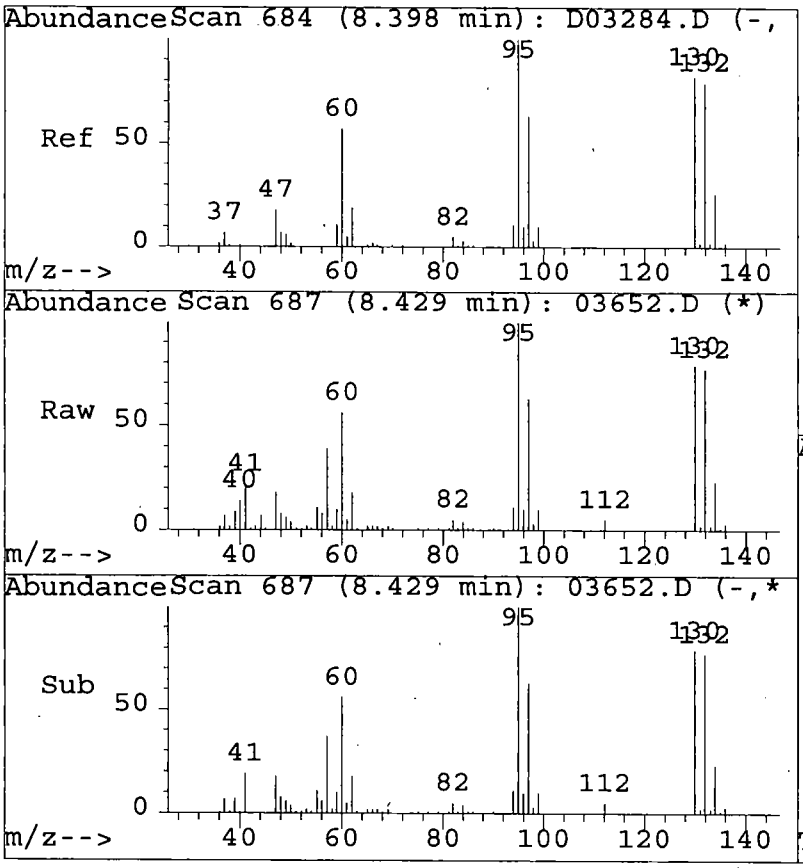


#38
Benzene
Concen: 12.60 ug/L
RT: 7.37 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:78.05 Resp: 568895

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

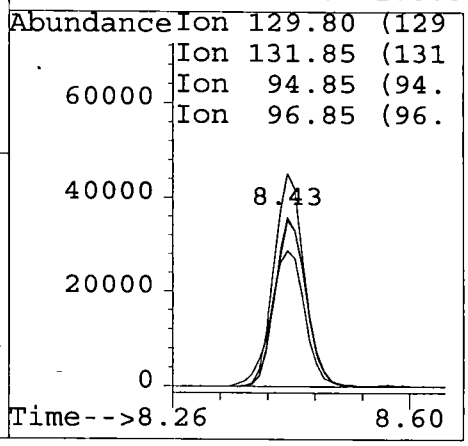


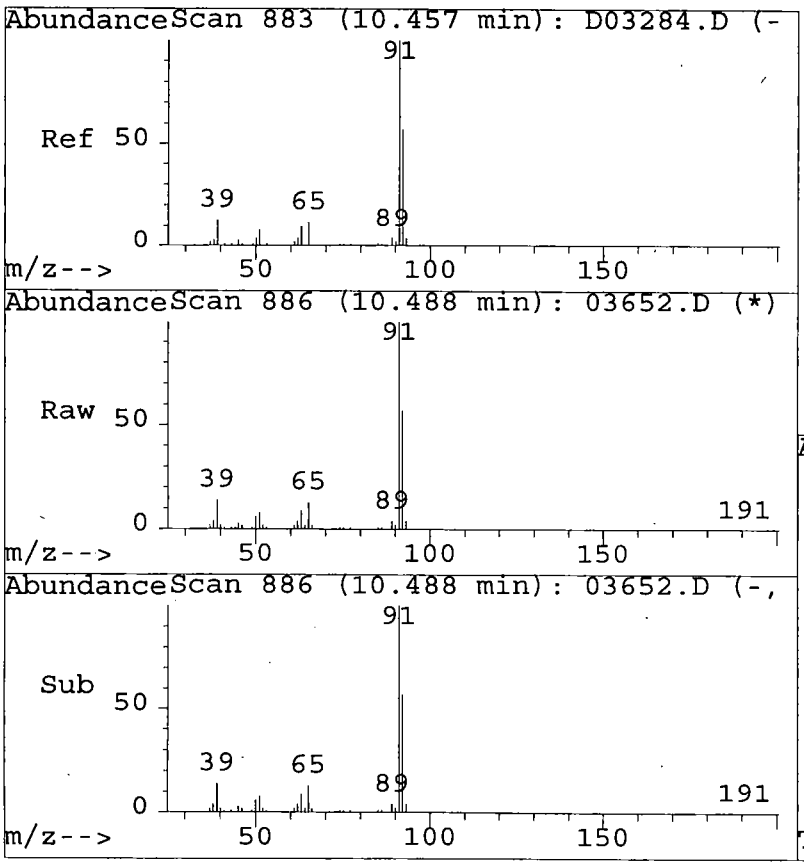


#39
Trichloroethene
Concen: 12.28 ug/L
RT: 8.43 min Scan# 687
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:129.8 Resp: 109224

Ion	Ratio	Lower	Upper
130	100		
132	99.5	0.0	195.8
95	125.2	19.7	219.7
97	89.5	0.0	176.0

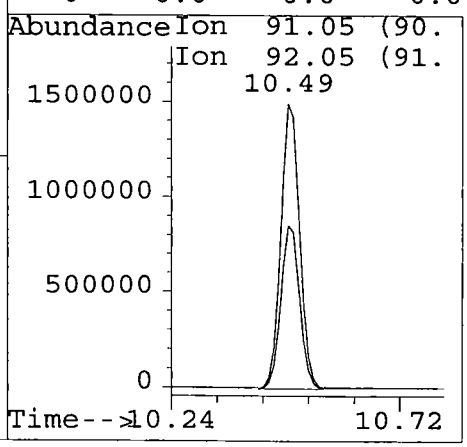


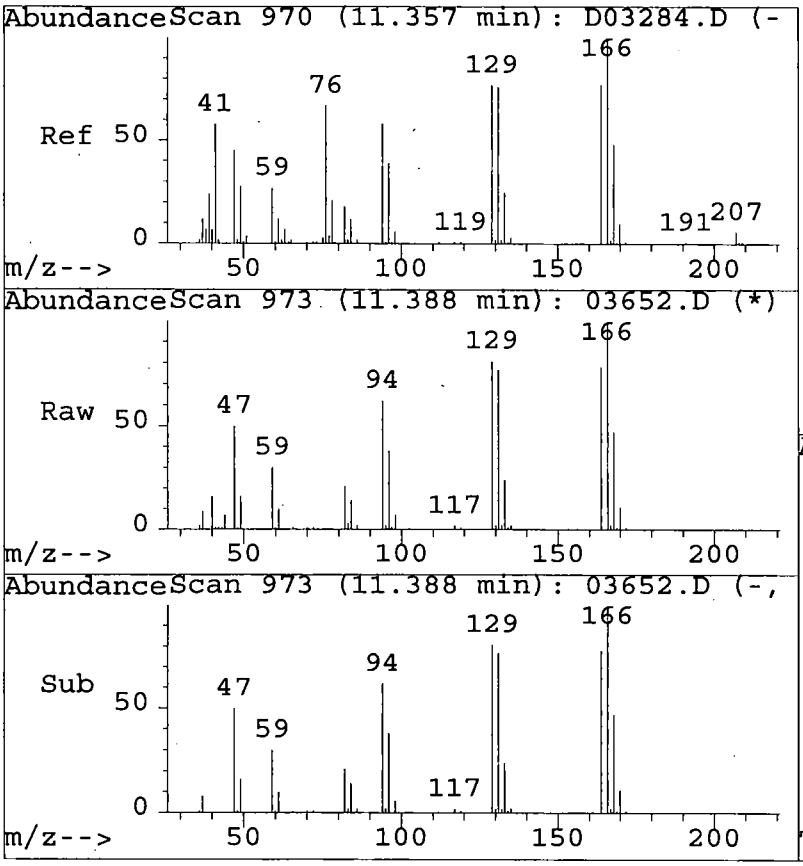


#48
Toluene
Concen: 86.24 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:91.05 Resp: 4024214

Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

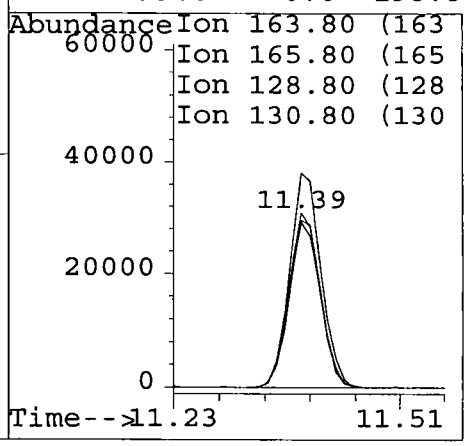


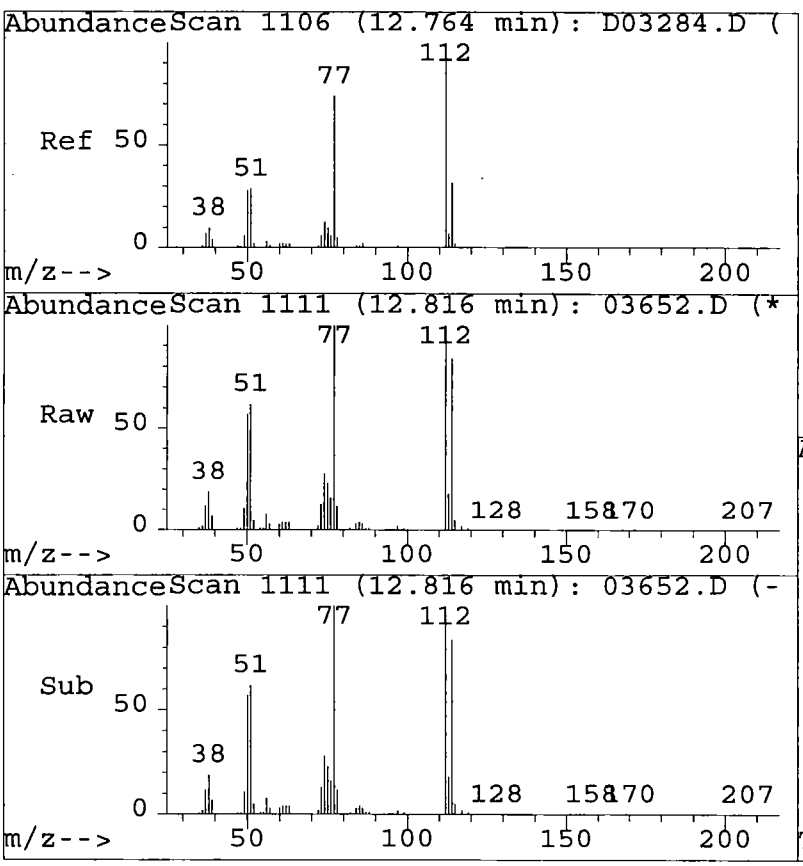


#55
Tetrachloroethene
Concen: 8.33 ug/L
RT: 11.39 min Scan# 973
Delta R.T. 0.01 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:163.8 Resp: 78841

Ion	Ratio	Lower	Upper
164	100		
166	127.7	28.6	228.6
129	102.4	3.2	203.2
131	99.0	0.0	198.8

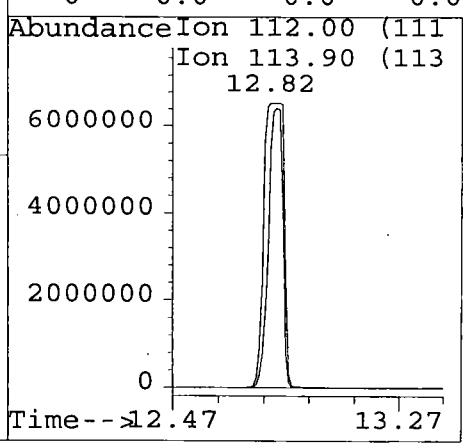


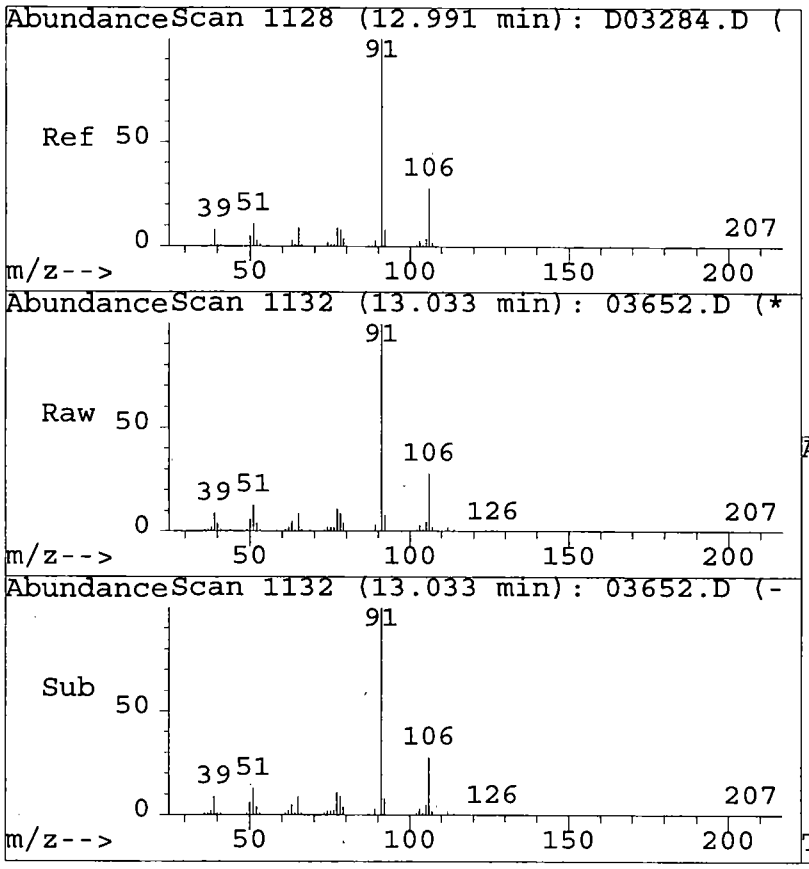


#59
Chlorobenzene
Concen: 1080.22 ug/L
RT: 12.82 min Scan# 1111
Delta R.T. 0.03 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:112 Resp:31901387

Ion	Ratio	Lower	Upper
112	100		
114	69.9	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

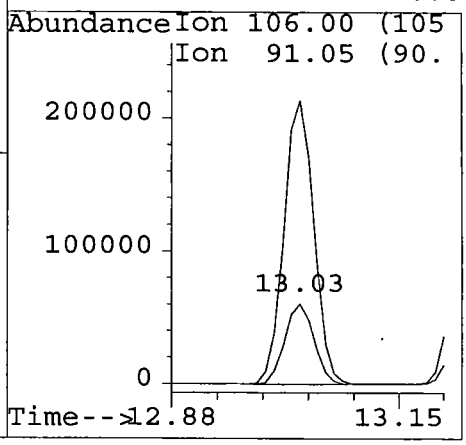


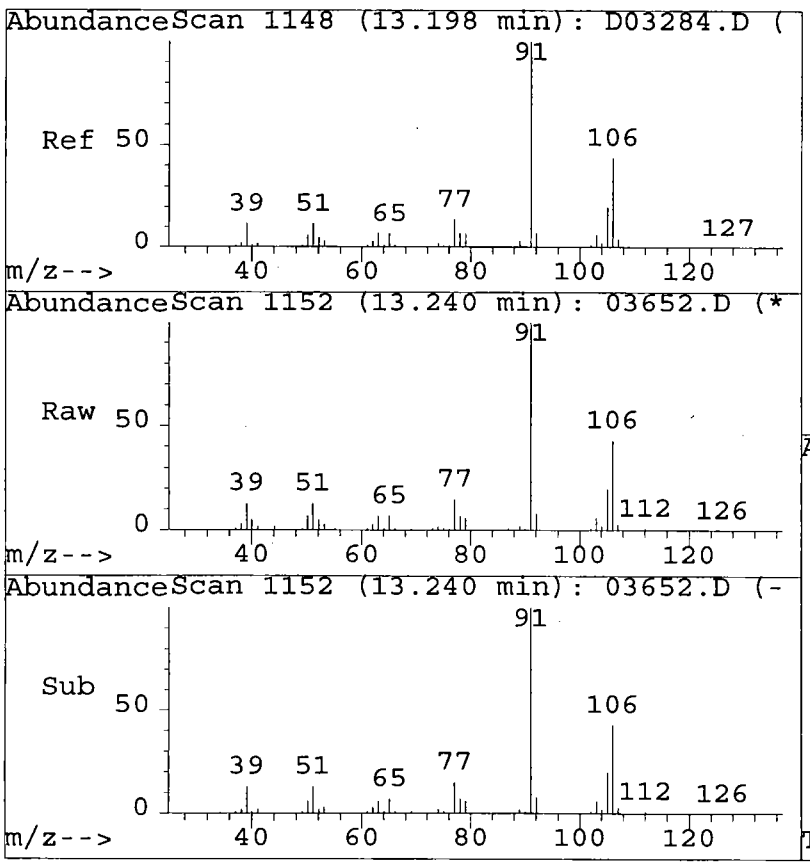


#61
Ethylbenzene
Concen: 9.32 ug/L
RT: 13.03 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:106 Resp: 147289

Ion	Ratio	Lower	Upper
106	100		
91	363.2	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

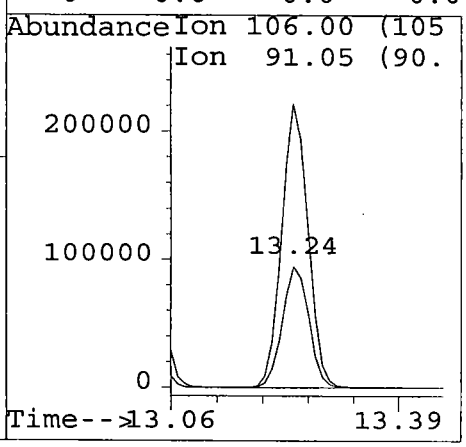


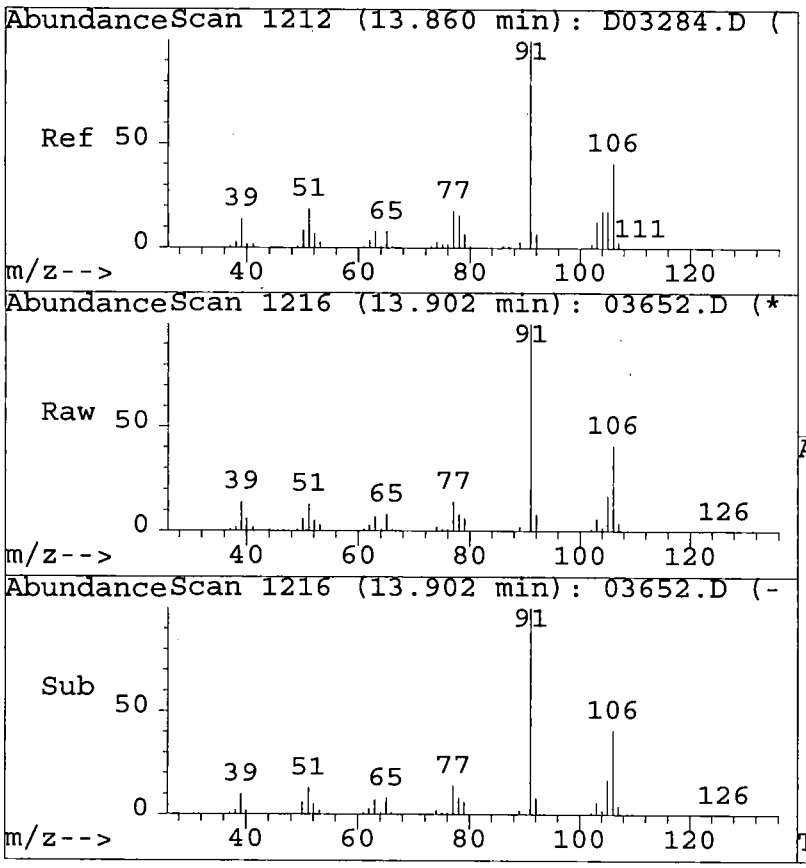


#62
Meta + Para Xylene
Concen: 11.52 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:106 Resp: 249207

Ion	Ratio	Lower	Upper
106	100		
91	231.8	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

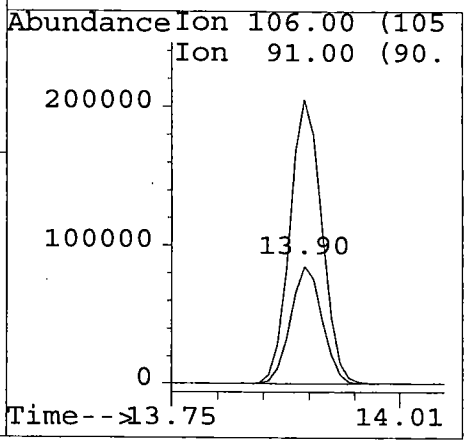




#63
Ortho Xylene
Concen: 10.88 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03652.d
Acq: 4 May 98 3:38 pm

Tgt Ion:106 Resp: 216667

Ion	Ratio	Lower	Upper
106	100		
91	244.1	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03653.d
Acq On : 4 May 98 4:09 pm
Sample : TLCEDW1*2
Misc :
Quant Time: May 12 15:40 1998

Vial: 8
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	699644	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.04	114	1334436	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	117	1170895	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	152	634421	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.28	65	625822	52.10	ug/L	104.21%
32) Dibromofluoromethane	6.79	113	418155	49.39	ug/L	98.78%
47) Toluene-d8	10.38	98	1811952	51.75	ug/L	103.51%
51) Bromofluorobenzene	14.79	95	685745	51.79	ug/L	103.59%
Target Compounds						Qvalue
59) Chlorobenzene	12.80	112	47266	1.86	ug/L	100

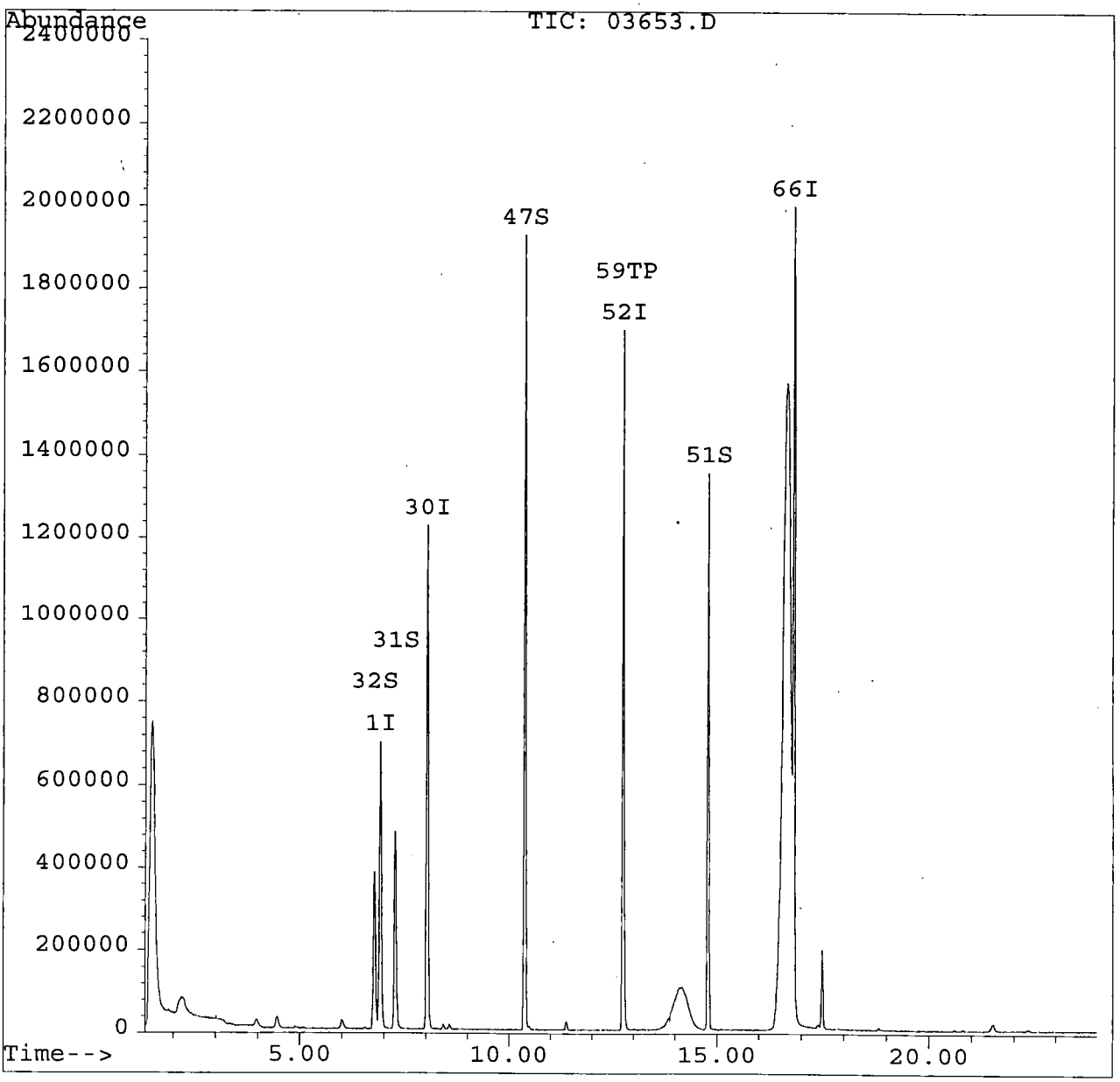
(#) = qualifier out of range (m) = manual integration

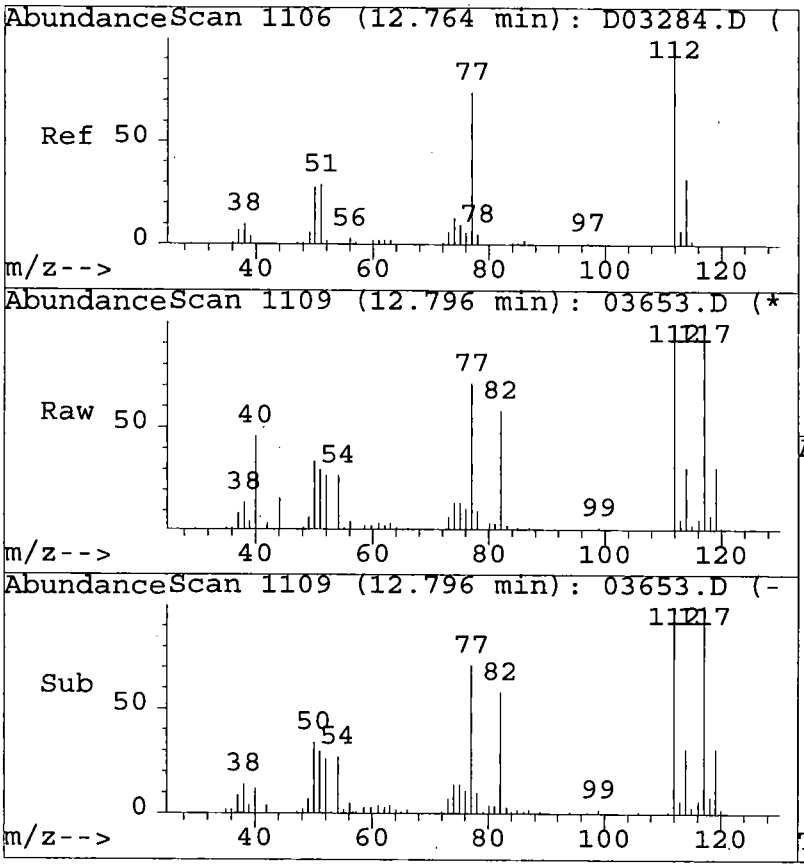
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03653.d
Acq On : 4 May 98 4:09 pm
Sample : TLCEDW1*2
Misc :
Quant Time: May 12 15:40 1998

Vial: 8
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

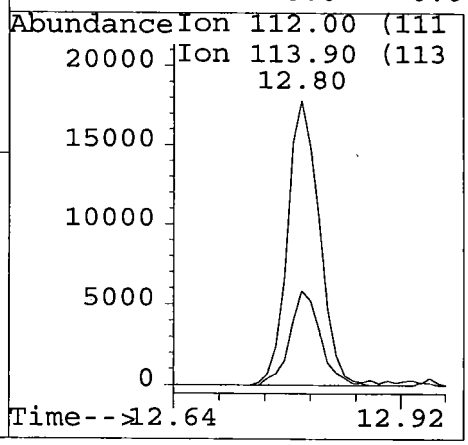




#59
Chlorobenzene
Concen: 1.86 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03653.d
Acq: 4 May 98 4:09 pm

Tgt Ion:112 Resp: 47266

Ion	Ratio	Lower	Upper
112	100		
114	31.4	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :
Quant Time: May 12 15:41 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	648927	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	114	1220722	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.77	117	1135564	50.00 ug/L	0.02
66) 1,4-Dichlorobenzene-d4	16.82	152	545287	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.28	65	579730	52.76 ug/L	105.52%
32) Dibromofluoromethane	6.79	113	383555	49.52 ug/L	99.04%
47) Toluene-d8	10.39	98	1641879	51.27 ug/L	102.53%
51) Bromofluorobenzene	14.79	95	636657	52.57 ug/L	105.13%
Target Compounds					Qvalue
4) Vinyl Chloride	1.91	62	60601	5.15 ug/L	97
12) Carbon Disulfide	3.55	76	79969	2.55 ug/L	100
18) trans-1,2-Dichloroethene	4.43	96	8305	0.98 ug/L	93
23) cis-1,2-Dichloroethene	6.01	61	190356	11.18 ug/L	92
38) Benzene	7.38	78	208679	5.05 ug/L	100
39) Trichloroethene	8.42	130	16079	1.97 ug/L	95
48) Toluene	10.49	91	115682	2.71 ug/L	100
59) Chlorobenzene	12.82	112	17980919	* ~~731.07~~ ug/L	94
61) Ethylbenzene	13.03	106	76620	5.82 ug/L	98
62) Meta + Para Xylene	13.24	106	147868	** 8.21 ug/L	97
63) Ortho Xylene	13.90	106	47279	2.85 ug/L	95

59) Chlorobenzene - 729.98 ug/L reported from 5x
dil 03668.d

** Xylene (total) - 11.06 ug/L
05/13/98

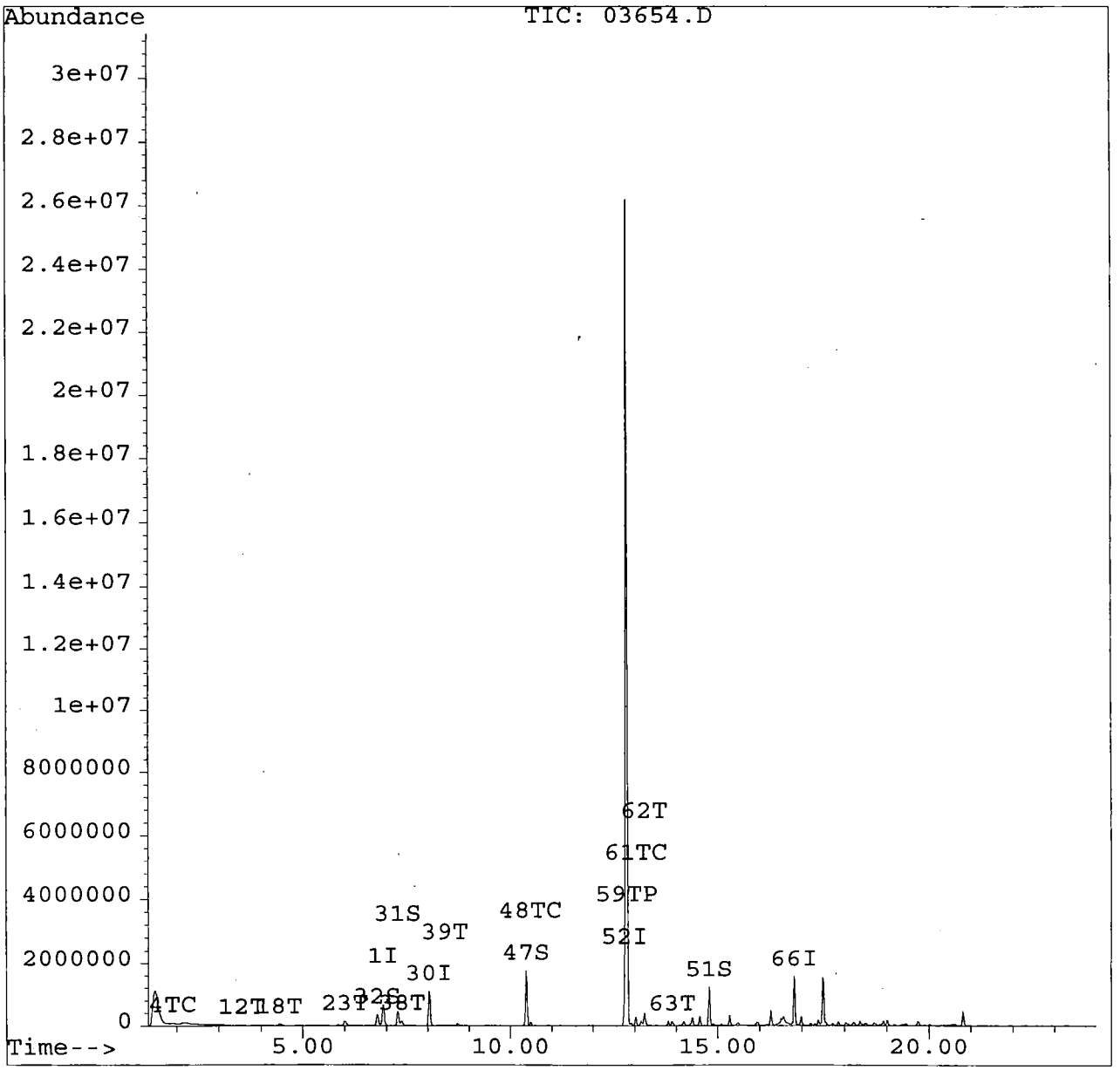
(#) = qualifier out of range (m) = manual integration
03654.d W8260ALL.M Tue May 12 15:59:12 1998 RP1 Page 1

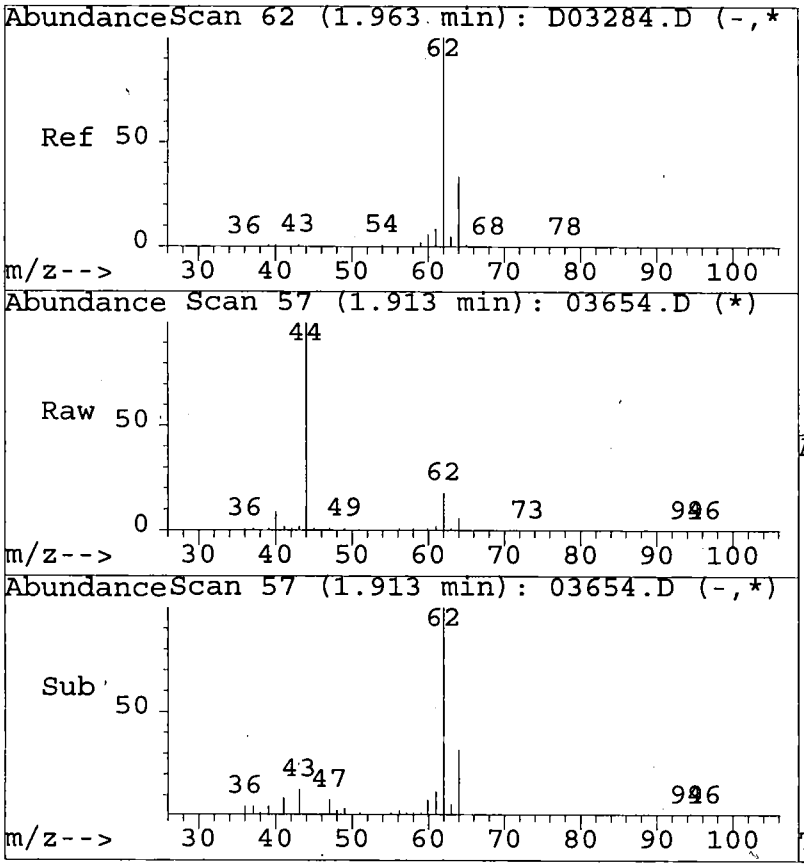
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :
Quant Time: May 12 15:41 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

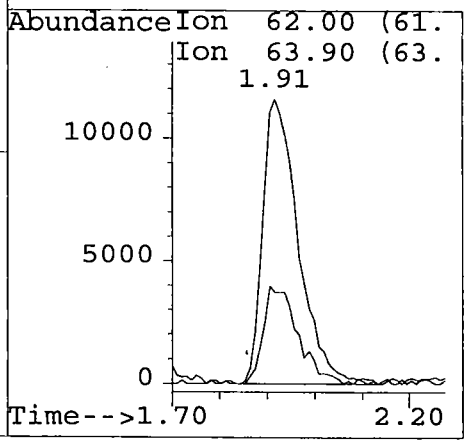


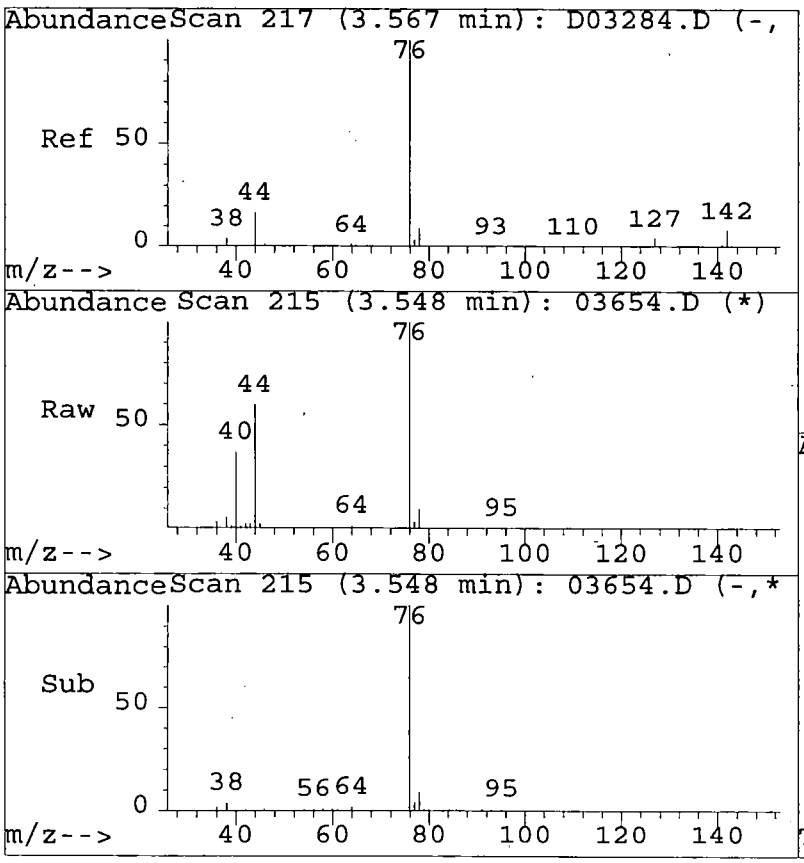


#4
Vinyl Chloride
Concen: 5.15 ug/L
RT: 1.91 min Scan# 57
Delta R.T. -0.01 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:62 Resp: 60601

Ion	Ratio	Lower	Upper
62	100		
64	33.2	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

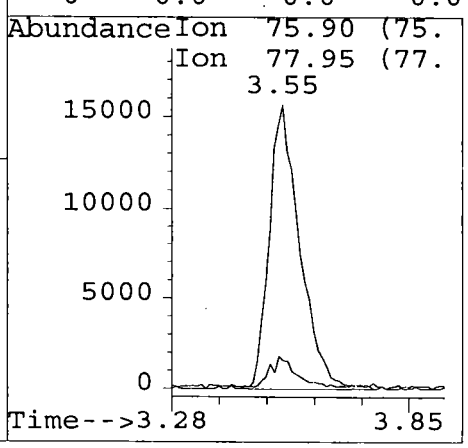


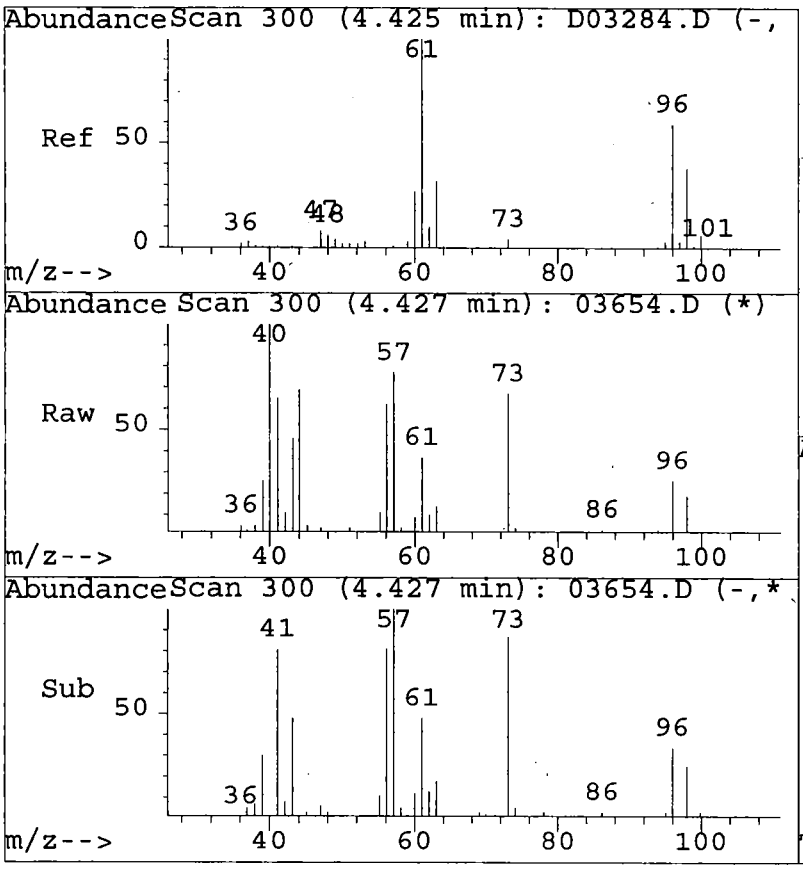


#12
Carbon Disulfide
Concen: 2.55 ug/L
RT: 3.55 min Scan# 215
Delta R.T. 0.01 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:75.9 Resp: 79969

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	208.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

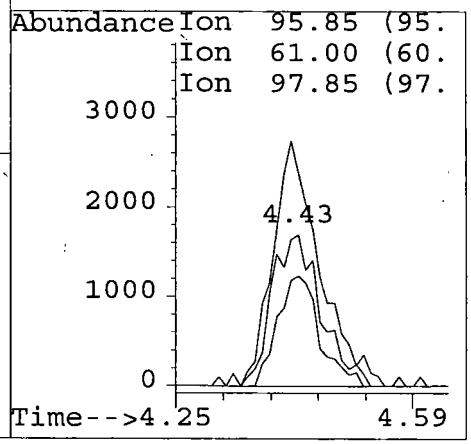


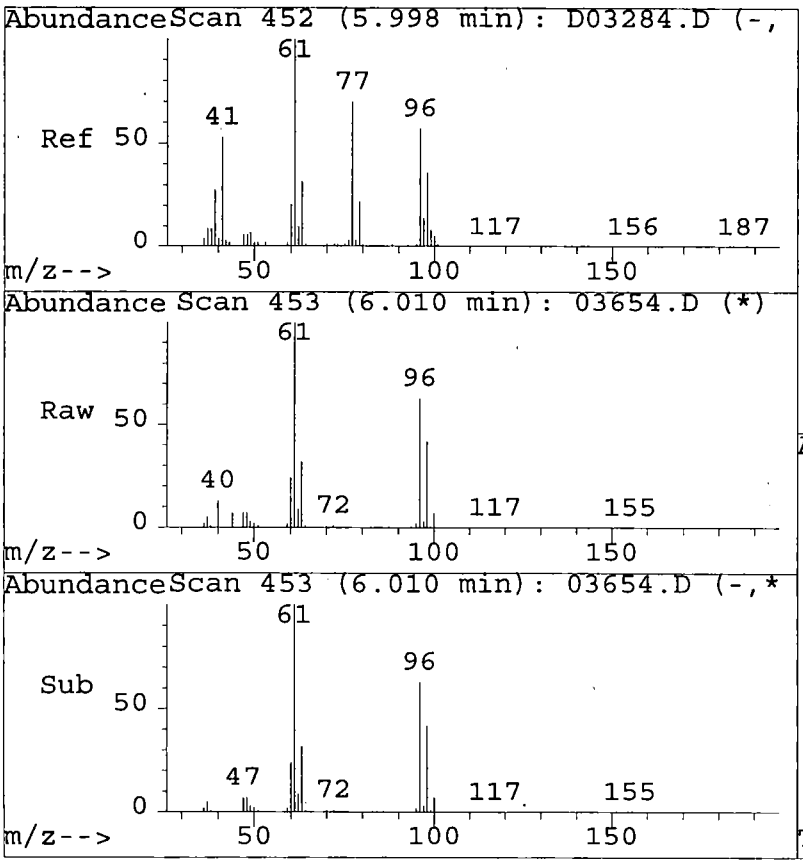


#18
trans-1,2-Dichloroethene
Concen: 0.98 ug/L
RT: 4.43 min Scan# 300
Delta R.T. 0.02 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:95.85 Resp: 8305

Ion	Ratio	Lower	Upper
96	100		
61	154.7	134.2	201.3
98	62.6	50.2	75.3
0	0.0	0.0	0.0

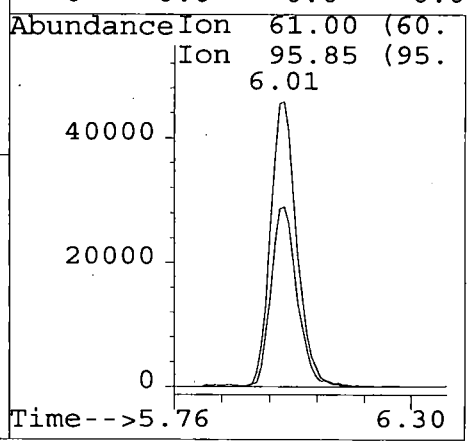


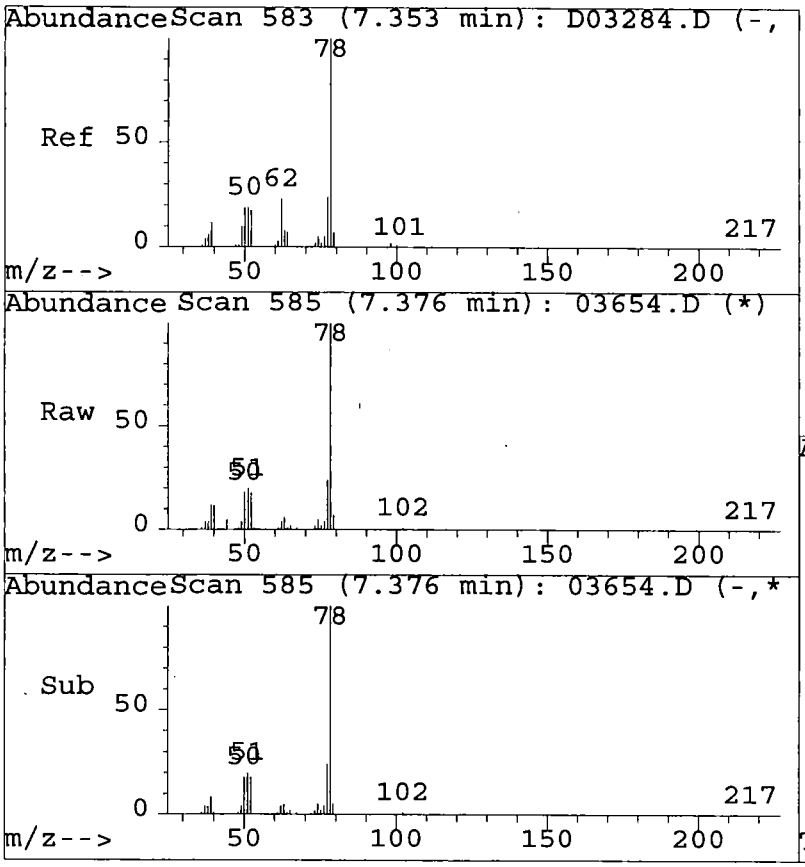


#23
cis-1,2-Dichloroethene
Concen: 11.18 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:61 Resp: 190356

Ion	Ratio	Lower	Upper
61	100		
96	62.8	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

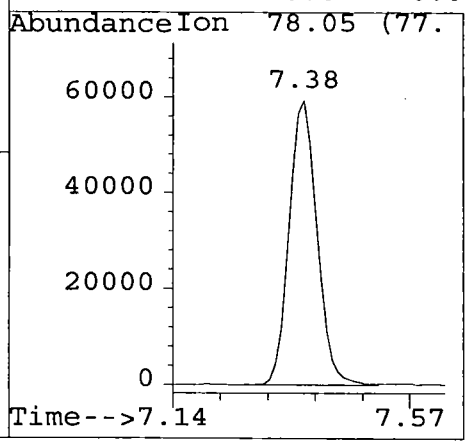


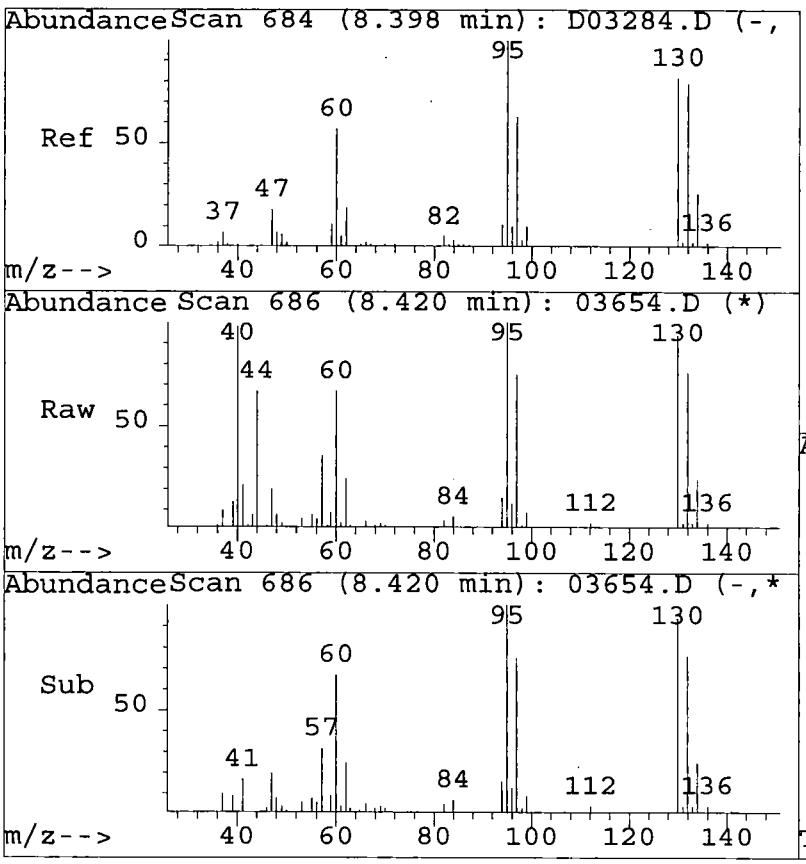


#38
Benzene
Concen: 5.05 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:78.05 Resp: 208679

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

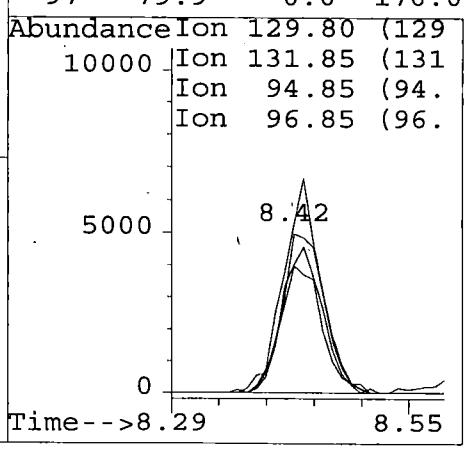


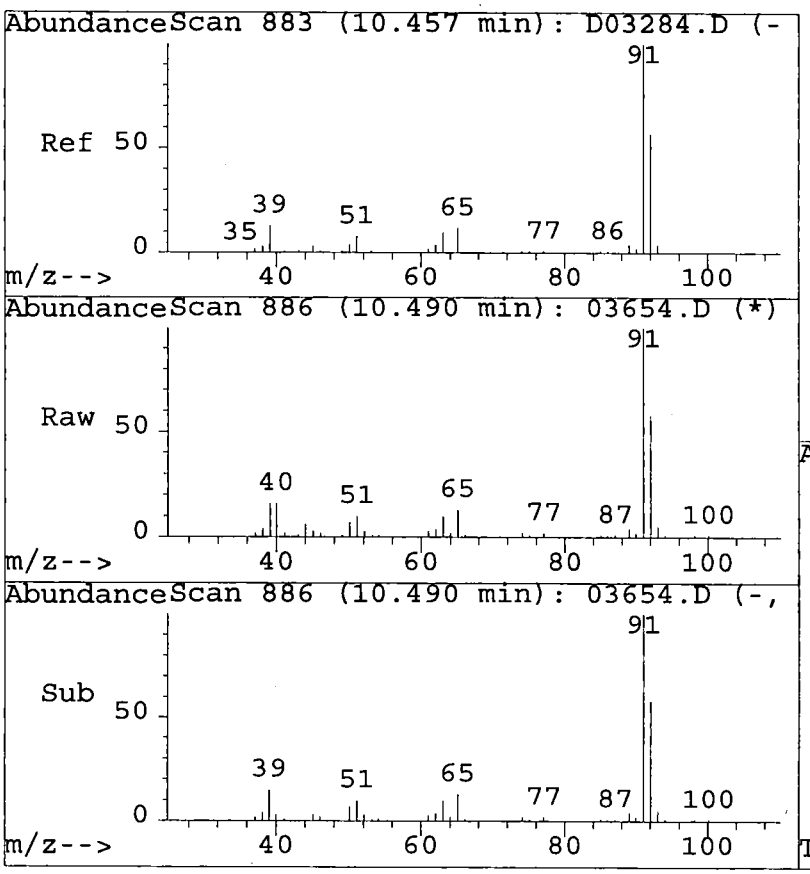


#39
Trichloroethene
Concen: 1.97 ug/L
RT: 8.42 min Scan# 686
Delta R.T. 0.01 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:129.8 Resp: 16079

Ion	Ratio	Lower	Upper
130	100		
132	87.4	0.0	195.8
95	117.4	19.7	219.7
97	79.9	0.0	176.0

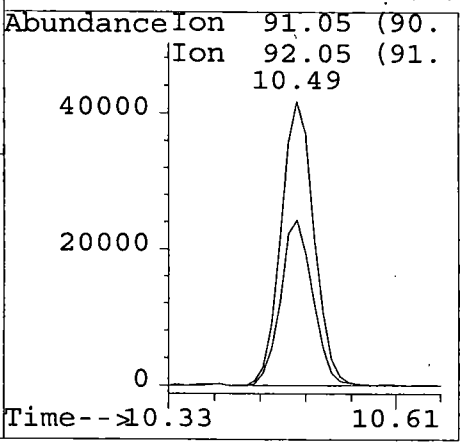


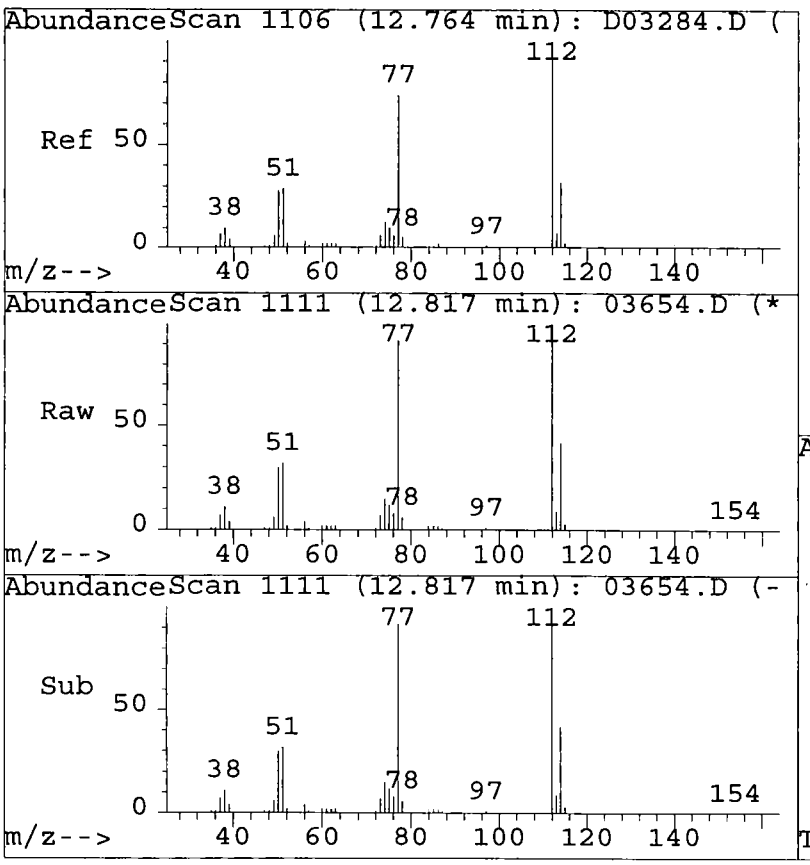


#48
Toluene
Concen: 2.71 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:91.05 Resp: 115682

Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

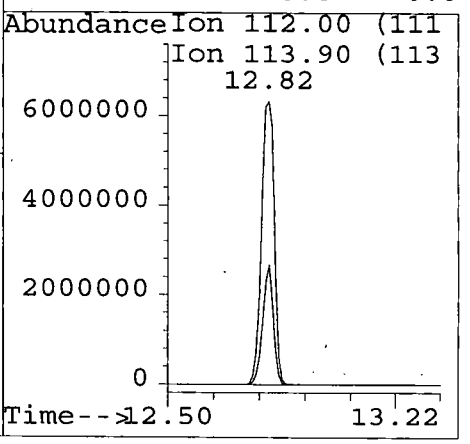


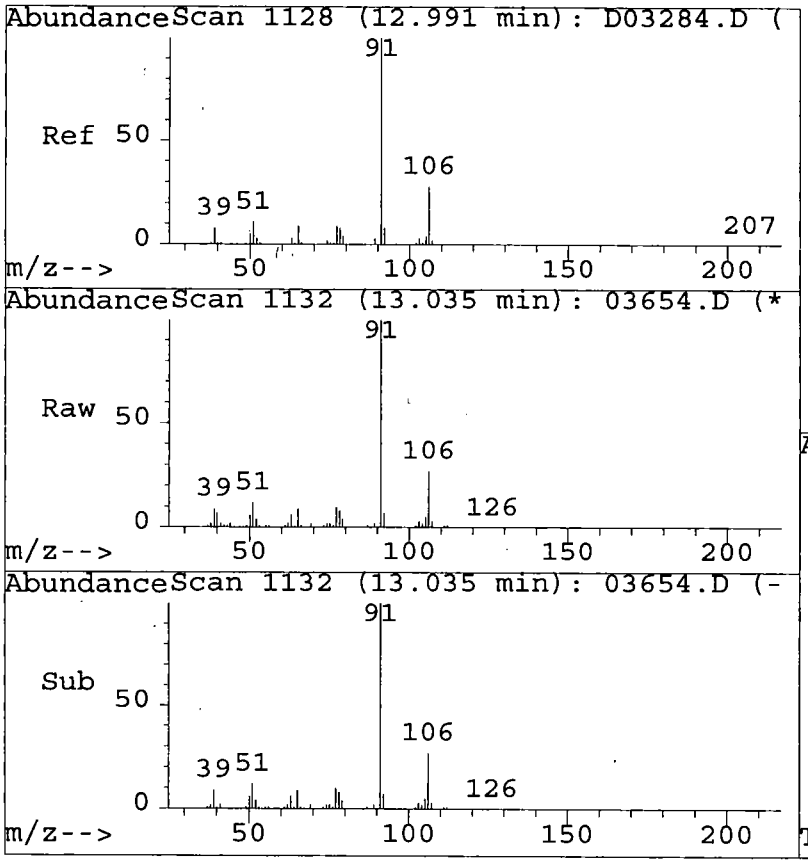


#59
Chlorobenzene
Concen: 731.07 ug/L
RT: 12.82 min Scan# 1111
Delta R.T. 0.03 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:112 Resp:17980919

Ion	Ratio	Lower	Upper
112	100		
114	35.1	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

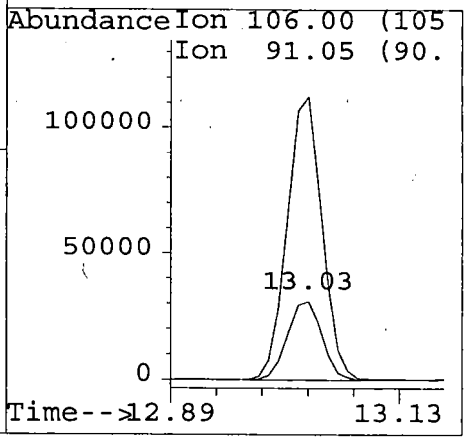


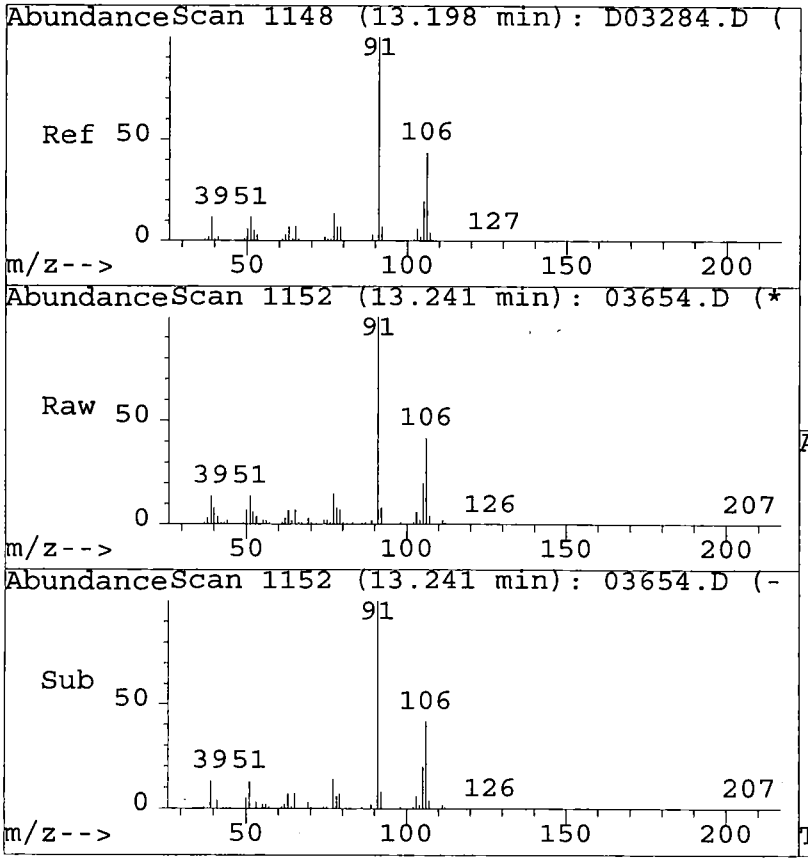


#61
Ethylbenzene
Concen: 5.82 ug/L
RT: 13.03 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:106 Resp: 76620

Ion	Ratio	Lower	Upper
106	100		
91	367.7	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

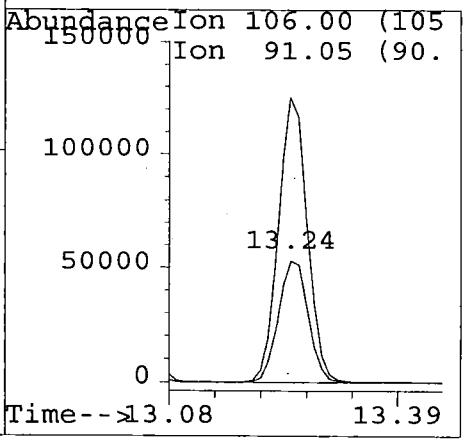


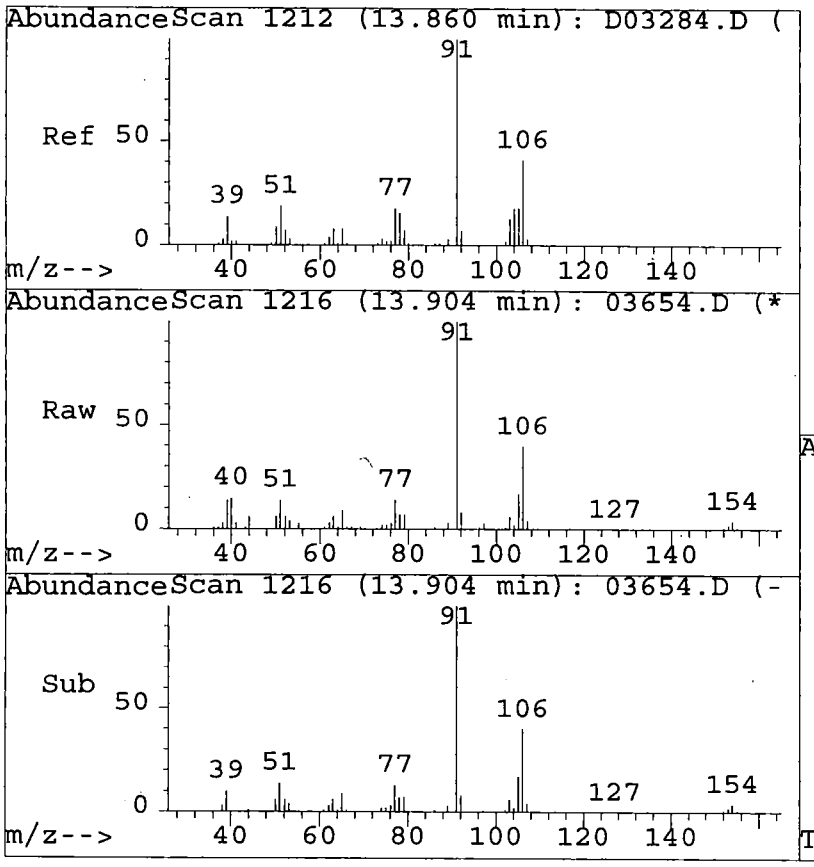


#62
Meta + Para Xylene
Concen: 8.21 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:106 Resp: 147868

Ion	Ratio	Lower	Upper
106	100		
91	227.6	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

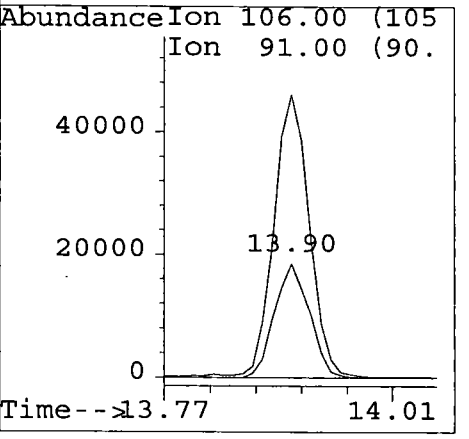




#63
Ortho Xylene
Concen: 2.85 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03654.d
Acq: 4 May 98 4:39 pm

Tgt Ion:106 Resp: 47279

Ion	Ratio	Lower	Upper
106	100		
91	250.7	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

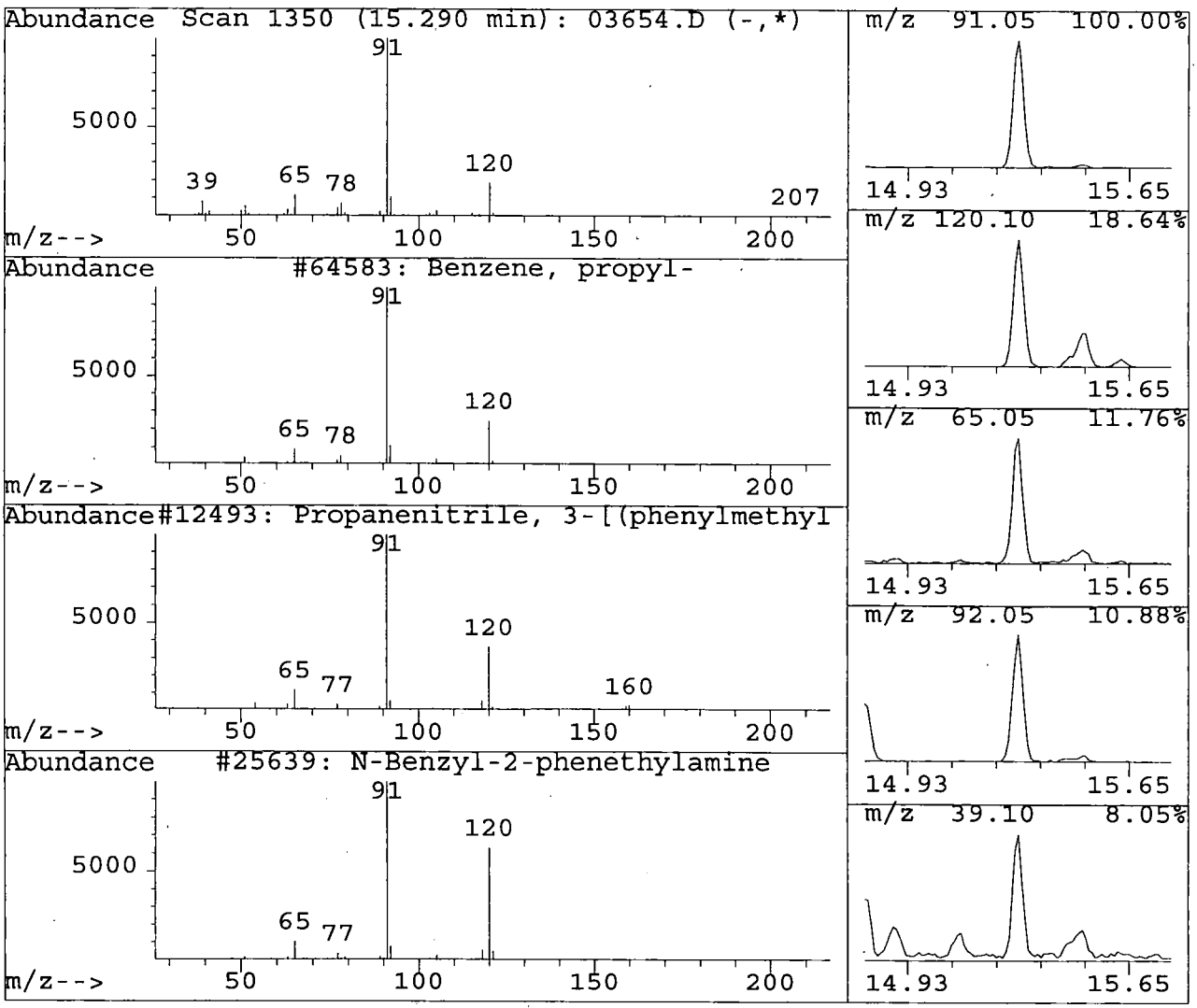
Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.29	9.62 ug/L	806445	1,4-Dichlorobenze	4192492	16.82

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Benzene, propyl-	64583	000103-65-1	91
2	Propanenitrile, 3-[(phenylmethyl)am	12493	000706-03-6	64
3	N-Benzyl-2-phenethylamine	25639	003647-71-0	59
4	Benzaldehyde, 3-benzyloxy-2,6-diflu	33479	000000-00-0	47
5	Bicyclo[3.2.1]oct-2-ene, 3-methylen	3782	022819-81-4	43



Library Search Compound Report

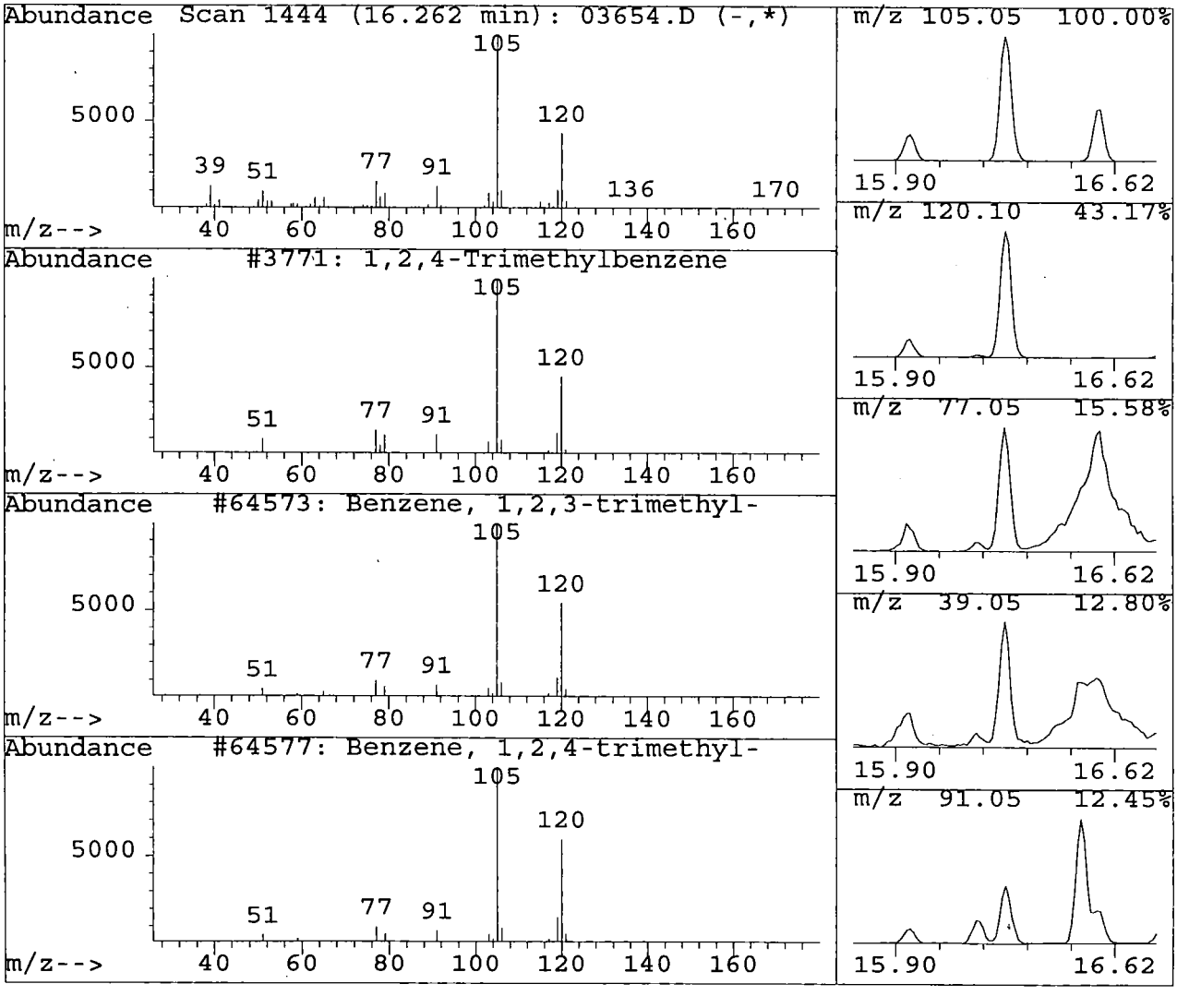
Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
16.26	14.07 ug/L	1179539	1,4-Dichlorobenze	4192492	16.82

Hit 3	Tentative ID	Ref#	CAS#	Qual
1	1,2,4-Trimethylbenzene	3771	000095-36-3	97
2	Benzene, 1,2,3-trimethyl-	64573	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	64577	000095-63-6	94
4	Benzene, 1,3,5-trimethyl-	64570	000108-67-8	93
5	Benzene, 1-ethyl-3-methyl-	3769	000620-14-4	93



Library Search Compound Report

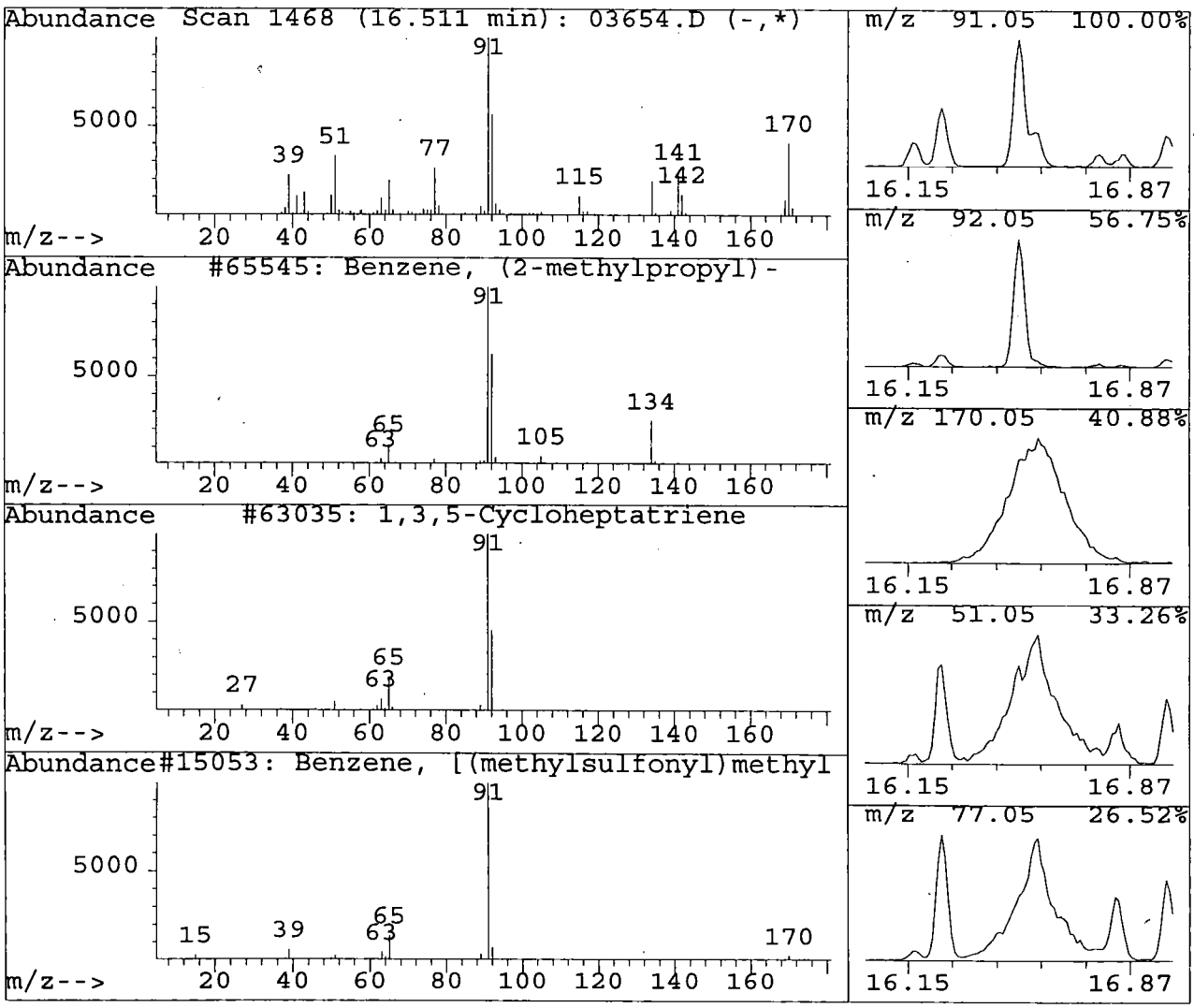
Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
16.51	10.27 ug/L	861295	1,4-Dichlorobenze	4192492	16.82

Hit 4	Tentative ID	Ref#	CAS#	Qual
1	Benzene, (2-methylpropyl)-	65545	000538-93-2	38
2	1,3,5-Cycloheptatriene	63035	000544-25-2	38
3	Benzene, [(methylsulfonyl)methyl]-	15053	003112-90-1	35
4	Cyclobutene, 2-propenylidene-	964	052097-85-5	35
5	Toluene	63031	000108-88-3	30



Library Search Compound Report

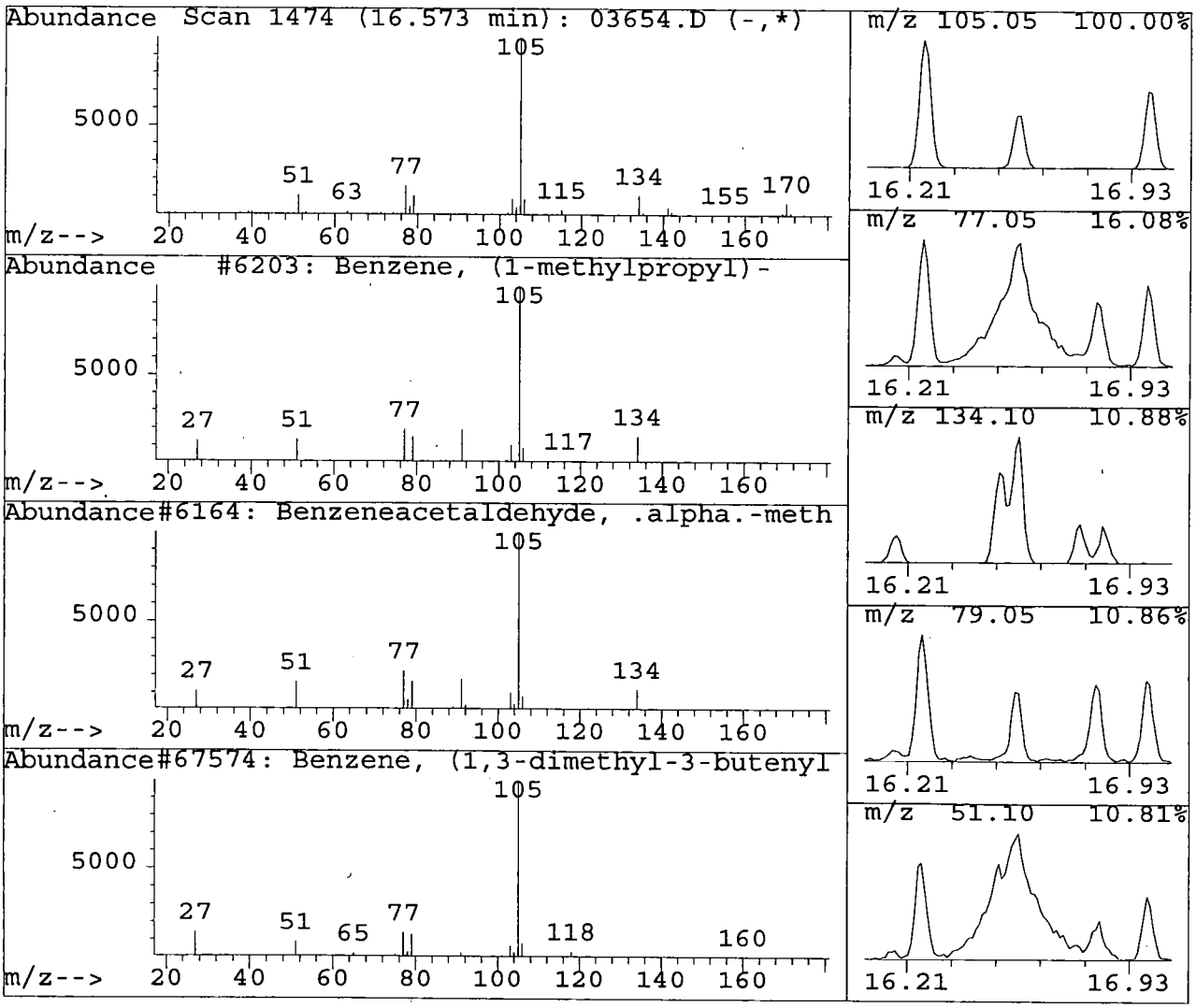
Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
16.57	16.68 ug/L	1398361	1,4-Dichlorobenze	4192492	16.82

Hit 5	Tentative ID	Ref#	CAS#	Qual
1	Benzene, (1-methylpropyl)-	6203	000135-98-8	72
2	Benzeneacetaldehyde, .alpha.-methyl	6164	000093-53-8	64
3	Benzene, (1,3-dimethyl-3-butenyl)-	67574	056851-51-5	59
4	Benzene, (1-methyl-3-butenyl)-	8966	010340-49-5	59
5	Benzene, 1,1'-(1-methyl-1,2-ethaned	21991	005814-85-7	53



Library Search Compound Report

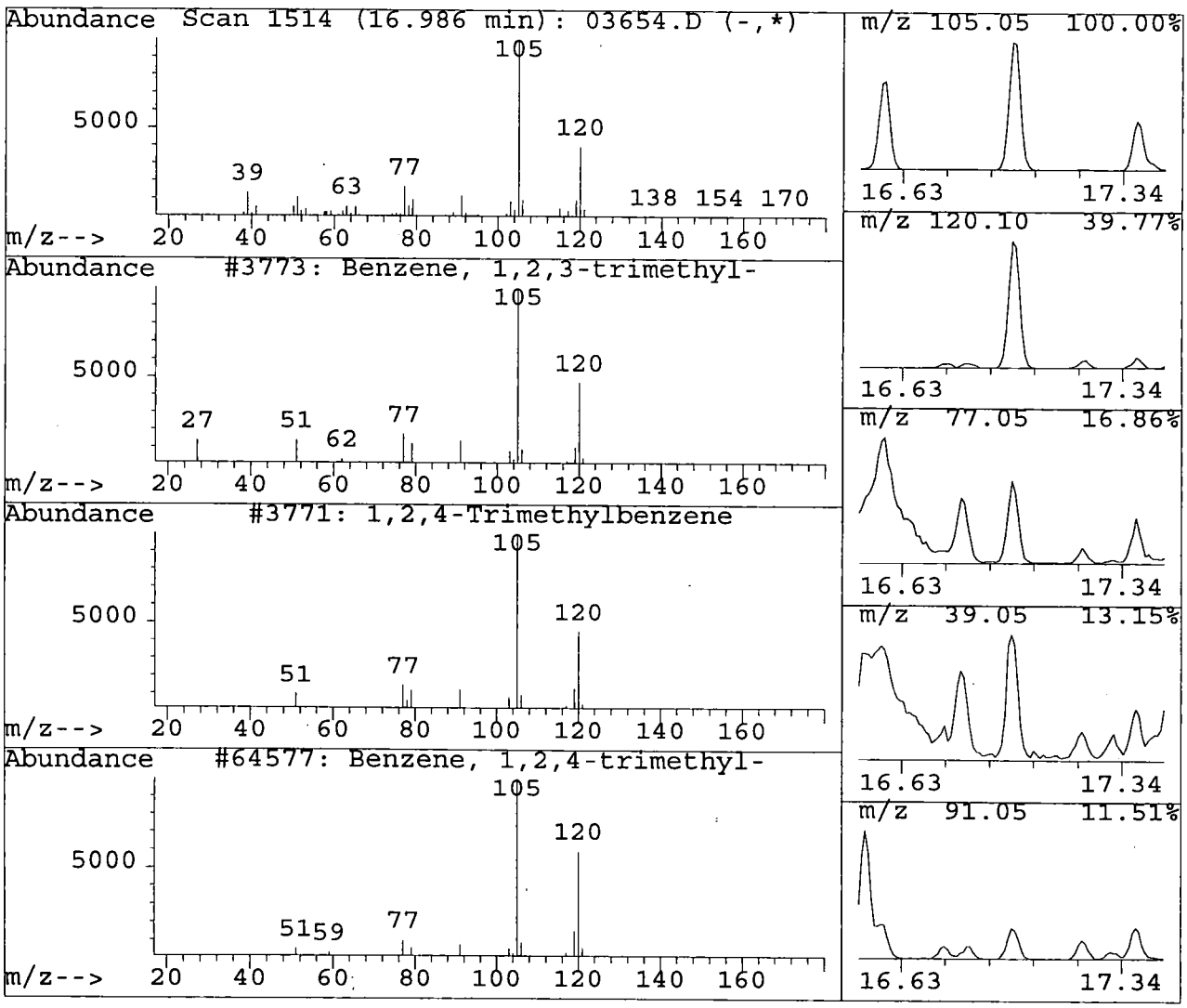
Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
16.99	8.88 ug/L	744545	1,4-Dichlorobenze	4192492	16.82

Hit 6	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	3773	000526-73-8	97
2	1,2,4-Trimethylbenzene	3771	000095-36-3	96
3	Benzene, 1,2,4-trimethyl-	64577	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	64562	000620-14-4	91
5	Benzene, 1,3,5-trimethyl-	64571	000108-67-8	91



Library Search Compound Report

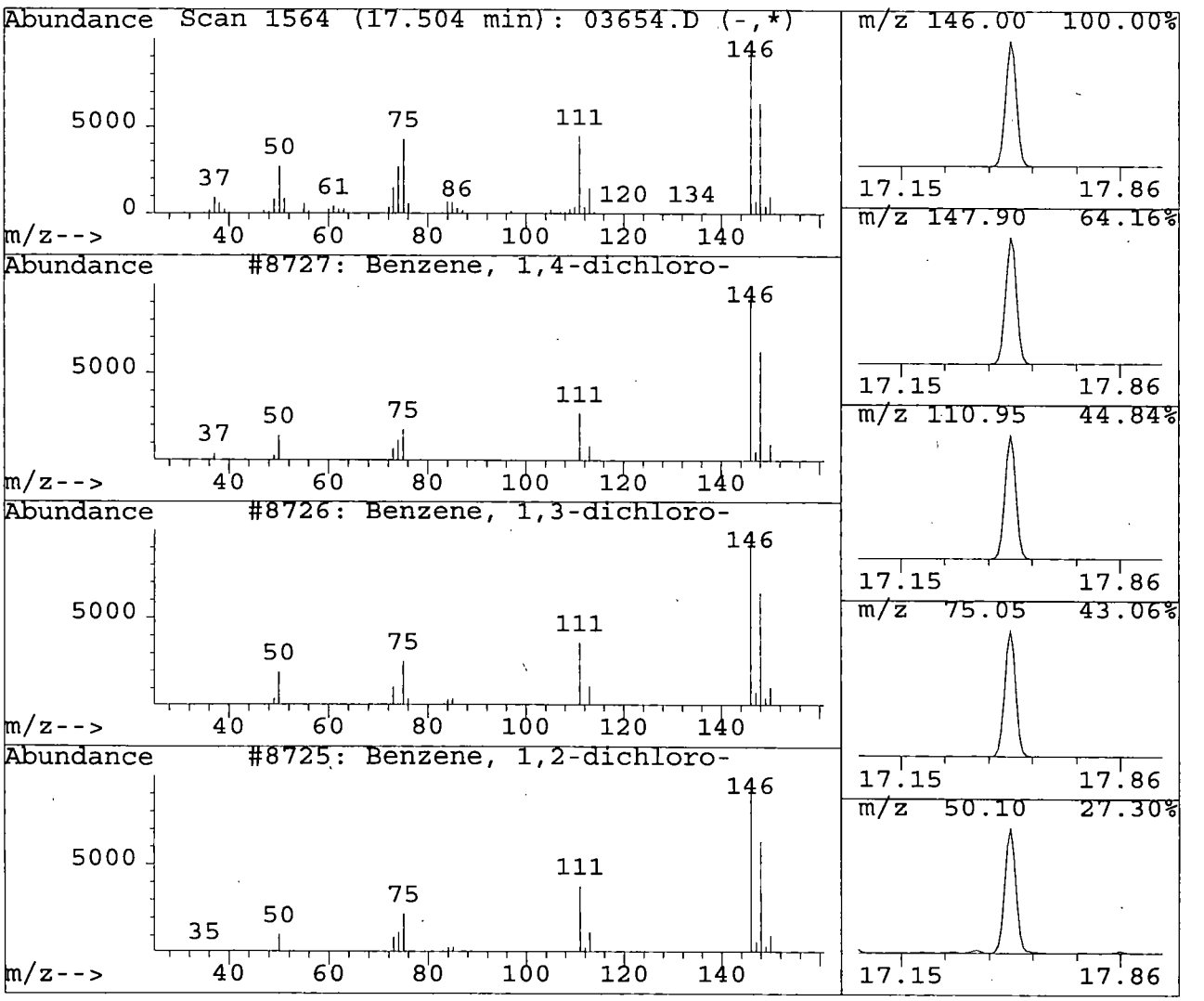
Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
17.50	52.77 ug/L	4424487	1,4-Dichlorobenze	4192492	16.82

Hit 7	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1,4-dichloro-	8727	000106-46-7	96
2	Benzene, 1,3-dichloro-	8726	000541-73-1	96
3	Benzene, 1,2-dichloro-	8725	000095-50-1	95
4	Ethene, 1,2-bis(ethylthio)-	9195	013105-10-7	9
5	3H-1,2-Dithiol-3-one, 4,5-dimethyl-	8717	035659-69-9	9



Library Search Compound Report

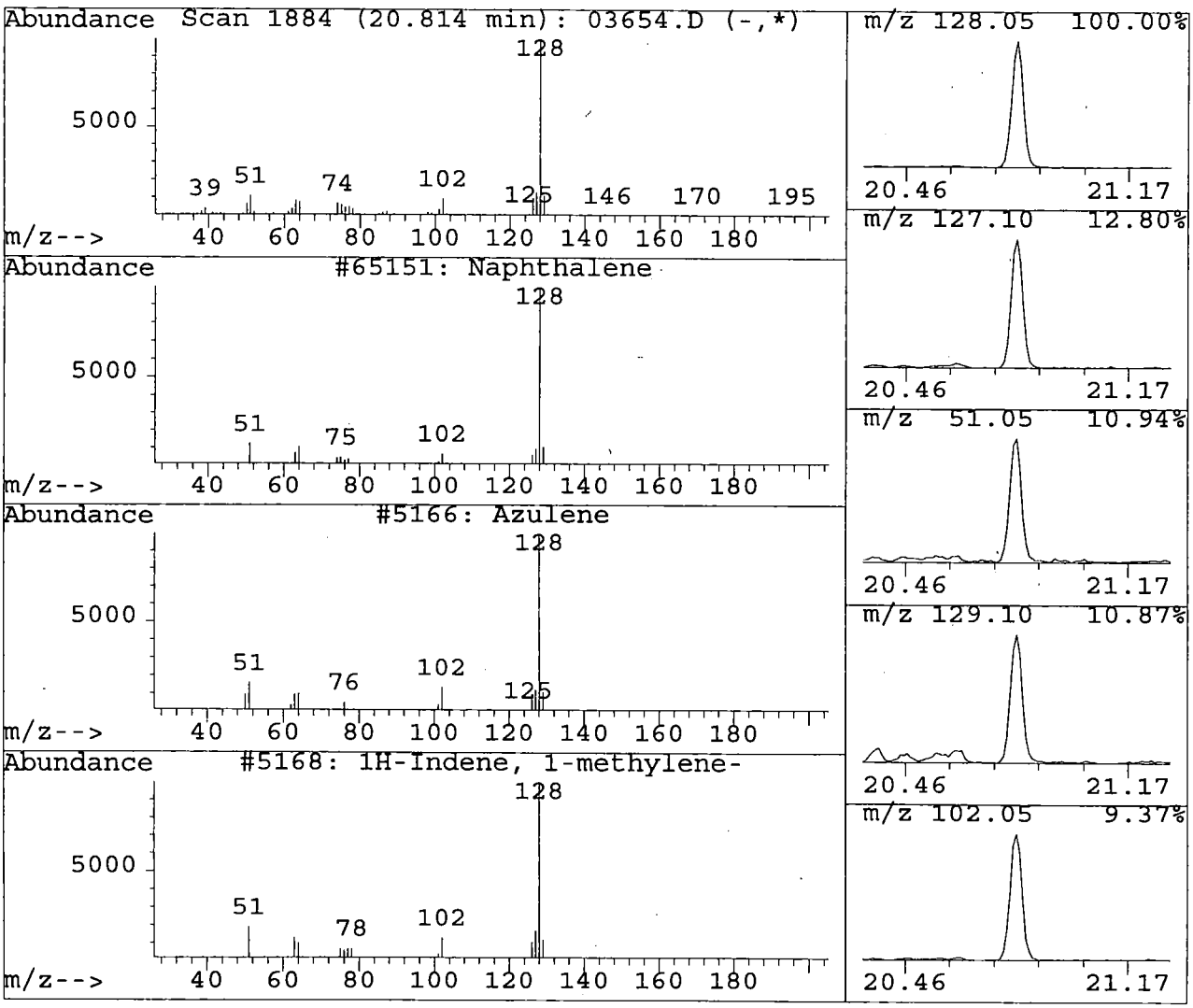
Data File : c:\hpchem\1\data\05_04_98\03654.d
Acq On : 4 May 98 4:39 pm
Sample : TLCEDW1*3
Misc :

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
20.81	14.87 ug/L	1246931	1,4-Dichlorobenze	4192492	16.82

Hit 8	Tentative ID	Ref#	CAS#	Qual
1	Naphthalene	65151	000091-20-3	94
2	Azulene	5166	000275-51-4	94
3	1H-Indene, 1-methylene-	5168	002471-84-3	86
4	[4.2.2]Propella-2,4,7,9-tetraene	5169	088090-34-0	56
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-pent	11595	036628-80-5	45



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03655.d
Acq On : 4 May 98 5:10 pm
Sample : TLCEDW1*4
Misc :
Quant Time: May 12 15:42 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	660333	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.05	114	1284448	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.75	117	1151117	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.83	152	542954	50.00 ug/L	0.02
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	65	611100	52.86 ug/L	105.72%
32) Dibromofluoromethane	6.80	113	411982	50.55 ug/L	101.11%
47) Toluene-d8	10.39	98	1796810	53.32 ug/L	106.64%
51) Bromofluorobenzene	14.80	95	658509	51.67 ug/L	103.35%
Target Compounds					**Qvalue**
4) Vinyl Chloride	1.93	62	21918	1.83 ug/L	95
19) 1,1-Dichloroethane	5.09	63	10647	0.60 ug/L	93
38) Benzene	7.38	78	28050	0.64 ug/L	100
59) Chlorobenzene	12.81	112	1959184	78.58 ug/L	100

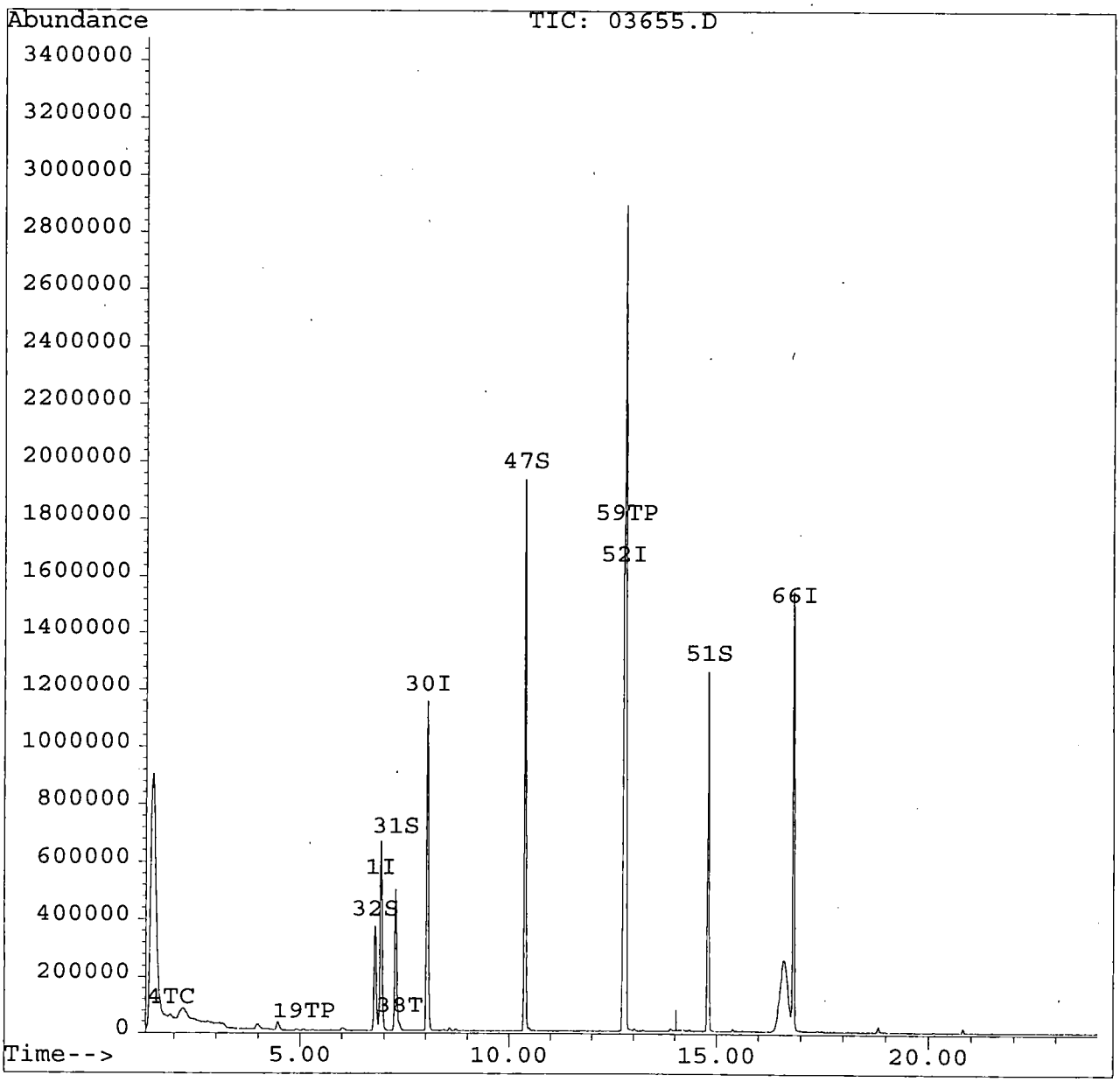
(#) = qualifier out of range (m) = manual integration

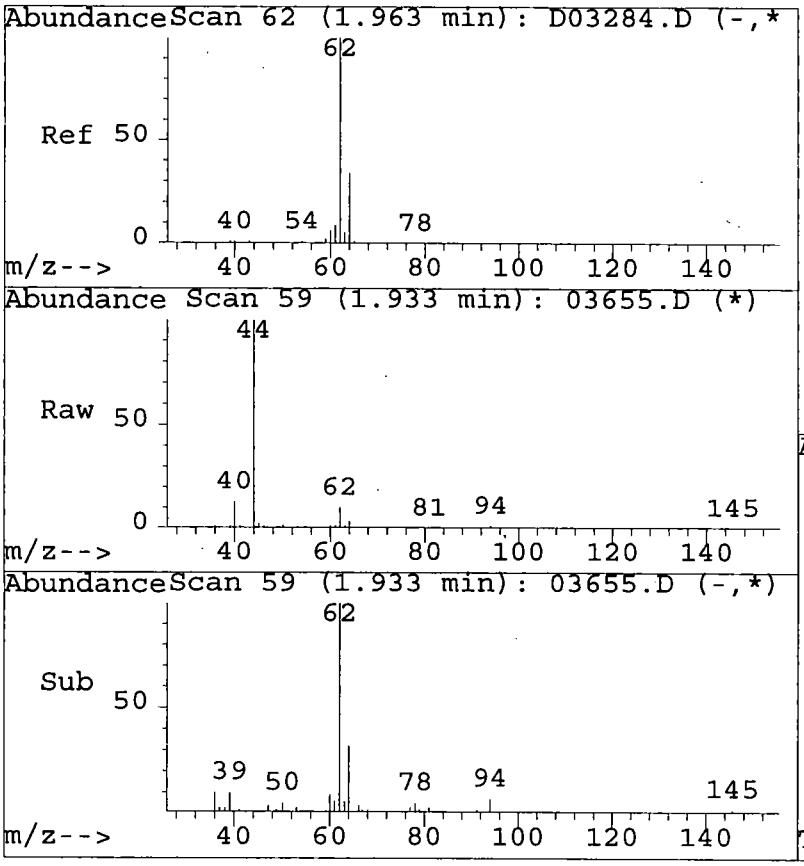
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03655.d
Acq On : 4 May 98 5:10 pm
Sample : TLCEDW1*4
Misc :
Quant Time: May 12 15:42 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

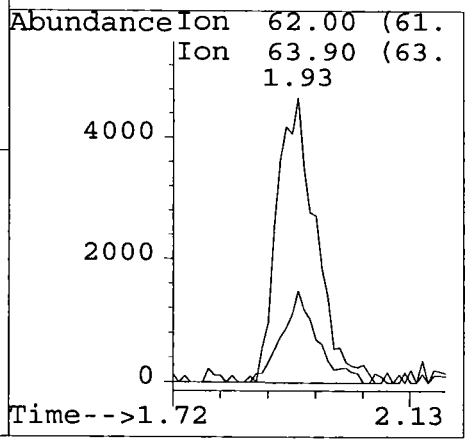


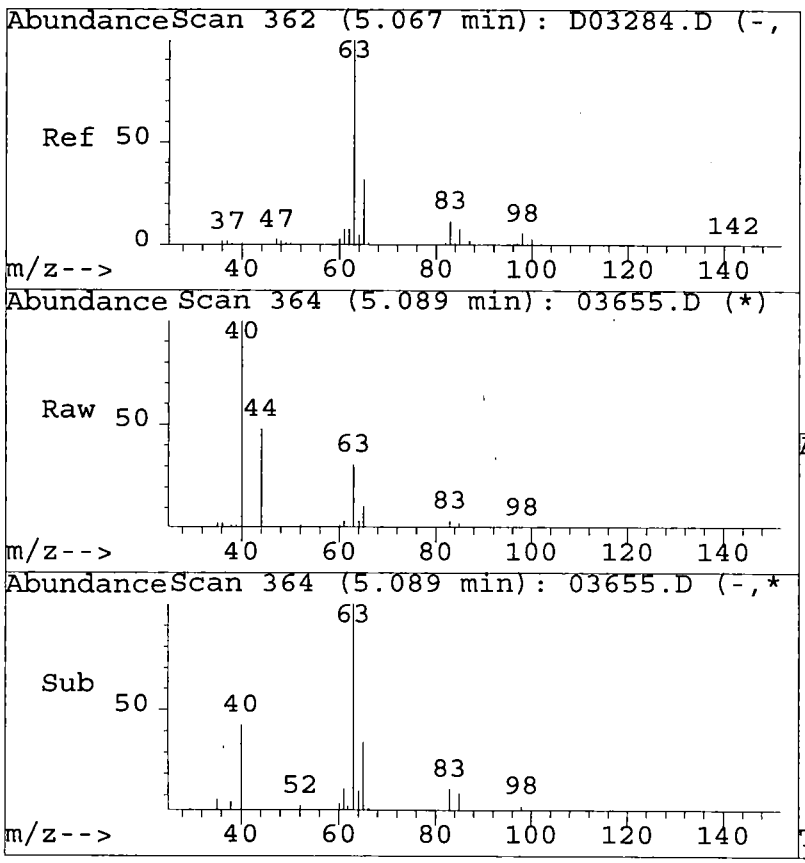


#4
Vinyl Chloride
Concen: 1.83 ug/L
RT: 1.93 min Scan# 59
Delta R.T. 0.01 min
Lab File: 03655.d
Acq: 4 May 98 5:10 pm

Tgt Ion:62 Resp: 21918

Ion	Ratio	Lower	Upper
62	100		
64	29.2	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

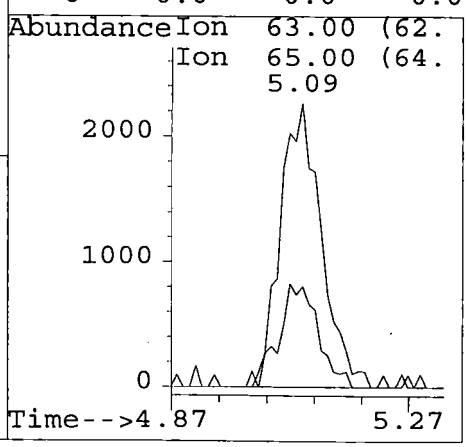


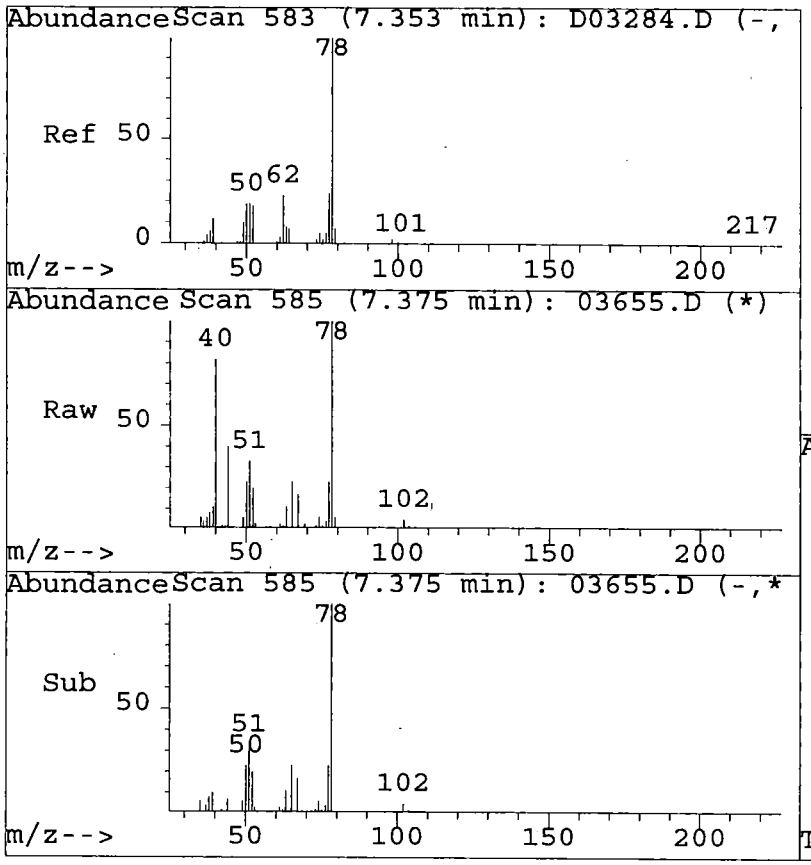


#19
1,1-Dichloroethane
Concen: 0.60 ug/L
RT: 5.09 min Scan# 364
Delta R.T. 0.02 min
Lab File: 03655.d
Acq: 4 May 98 5:10 pm

Tgt Ion:63 Resp: 10647

Ion	Ratio	Lower	Upper
63	100		
65	35.3	0.0	131.2
0	0.0	0.0	0.0
0	0.0	0.0	0.0

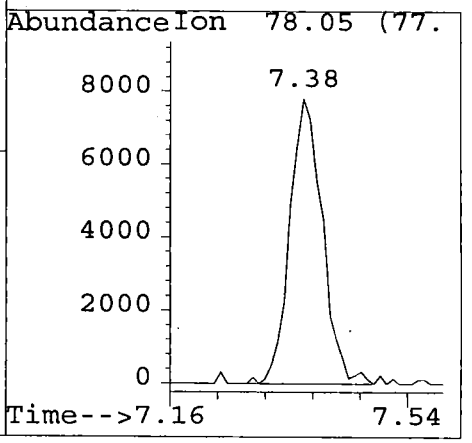


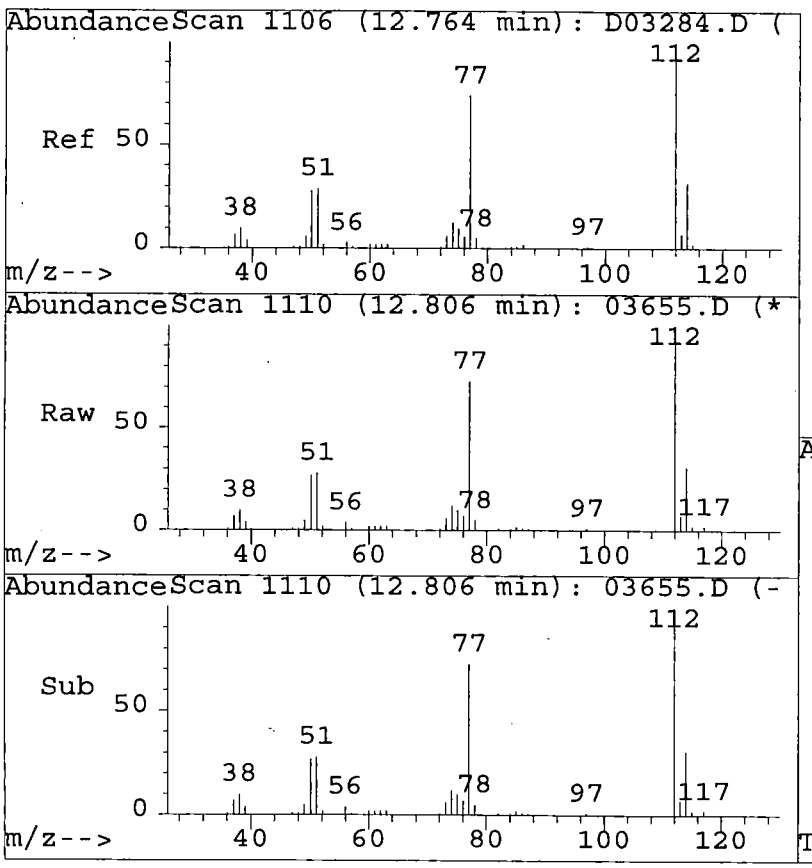


#38
Benzene
Concen: 0.64 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03655.d
Acq: 4 May 98 5:10 pm

Tgt Ion:78.05 Resp: 28050

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

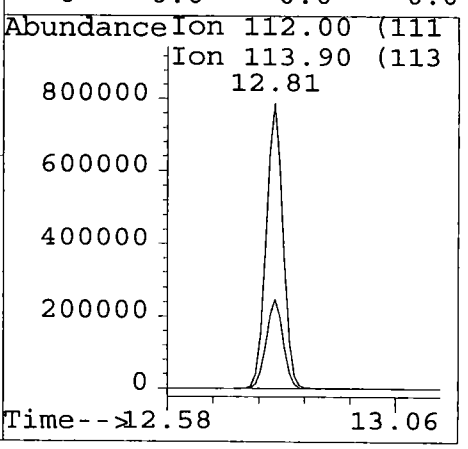




#59
Chlorobenzene
Concen: 78.58 ug/L
RT: 12.81 min Scan# 1110
Delta R.T. 0.02 min
Lab File: 03655.d
Acq: 4 May 98 5:10 pm

Tgt Ion:112 Resp: 1959184

Ion	Ratio	Lower	Upper
112	100		
114	31.7	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

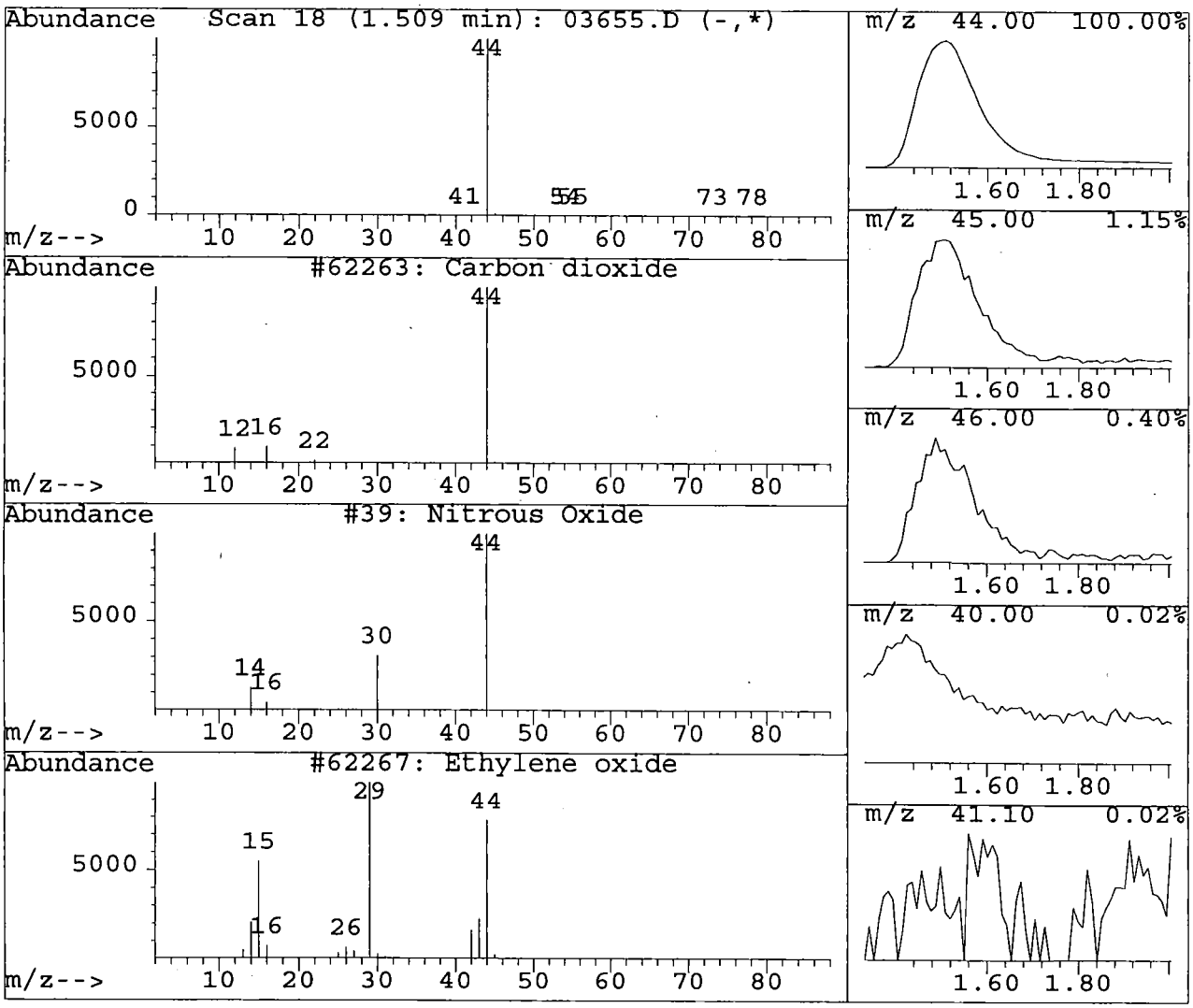
Data File : c:\hpchem\1\data\05_04_98\03655.d
Acq On : 4 May 98 5:10 pm
Sample : TLCEDW1*4
Misc :

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.51	185.20 ug/L	8472034	Pentafluorobenzen	2287292	6.93

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	39	010024-97-2	3
3	Ethylene oxide	62267	000075-21-8	2
4	Acetaldehyde	62265	000075-07-0	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03656.d
Acq On : 4 May 98 5:40 pm
Sample : TLCEDW1*6
Misc :
Quant Time: May 12 15:43 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	671382	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.05	114	1277491	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.75	117	1124962	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	152	526879	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.28	65	586859	51.04 ug/L	102.07%
32) Dibromofluoromethane	6.78	113	391464	48.30 ug/L	96.59%
47) Toluene-d8	10.39	98	1648904	49.20 ug/L	98.39%
51) Bromofluorobenzene	14.79	95	597437	47.14 ug/L	94.27%
Target Compounds					Qvalue
28) Chloroform	6.55	83	47222	2.49 ug/L	99

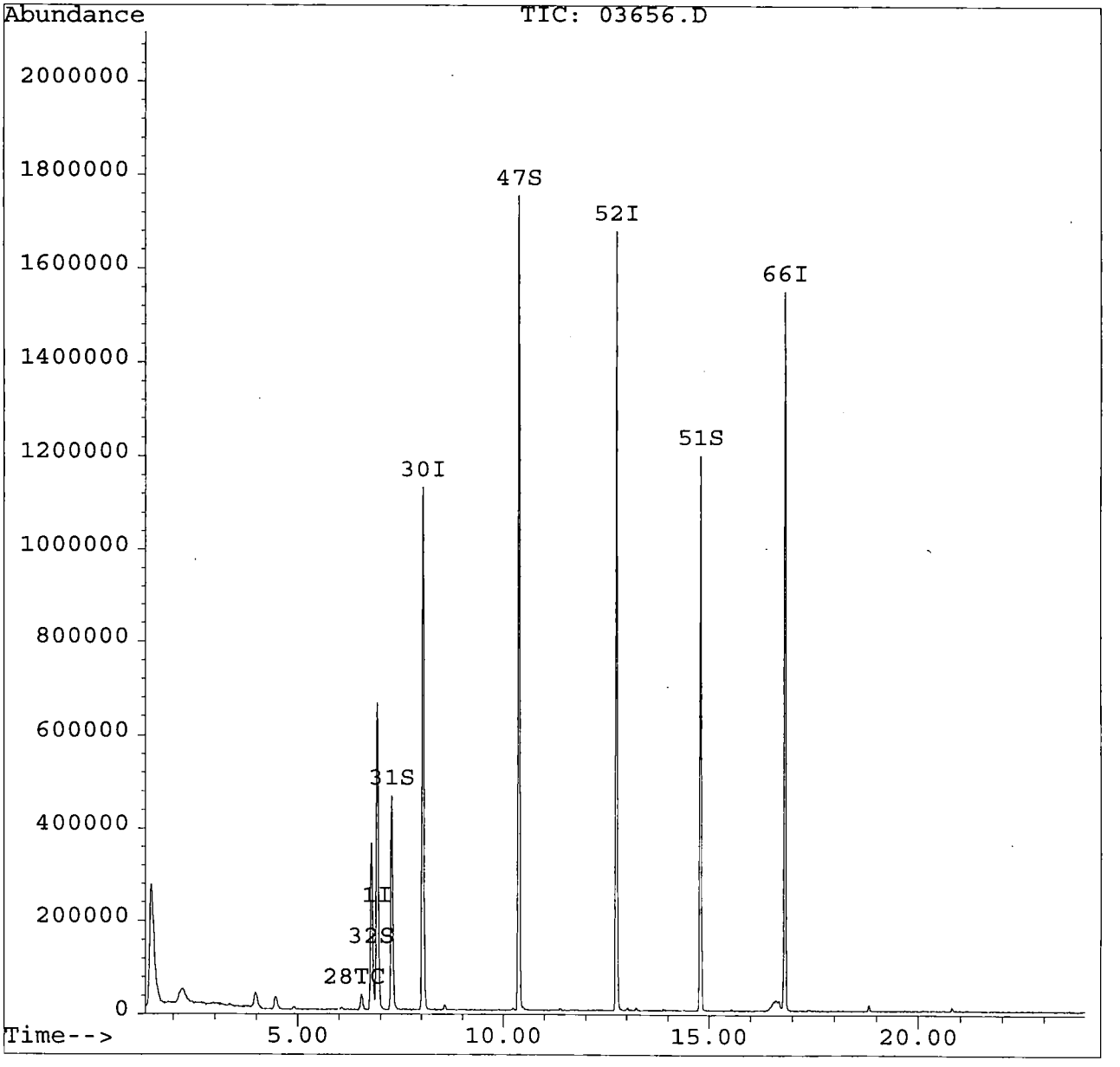
(#) = qualifier out of range (m) = manual integration

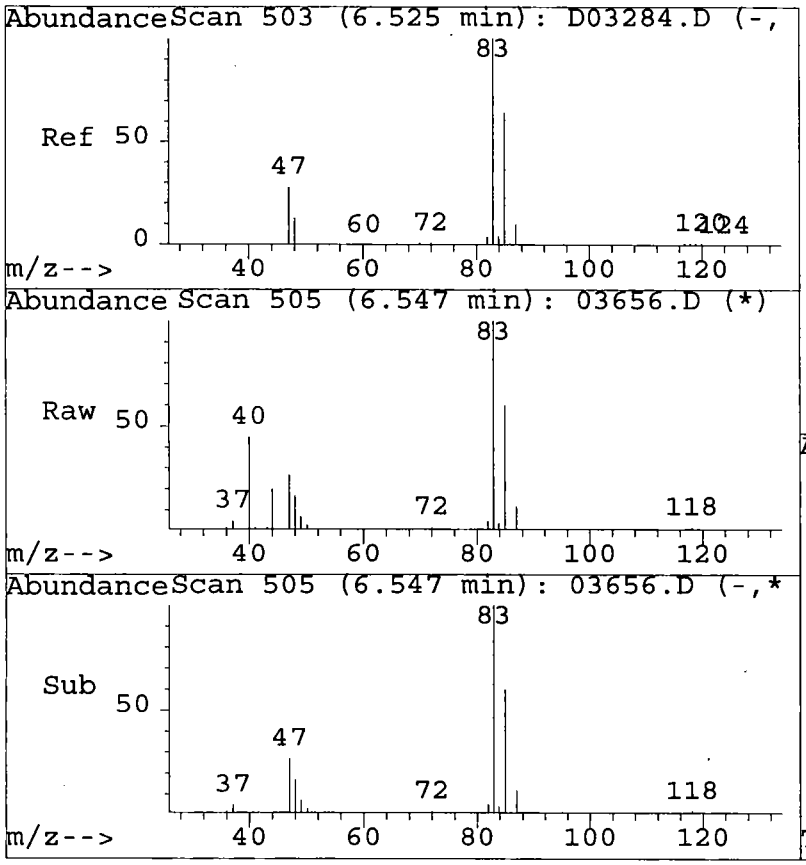
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03656.d
Acq On : 4 May 98 5:40 pm
Sample : TLCEDW1*6
Misc :
Quant Time: May 12 15:43 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

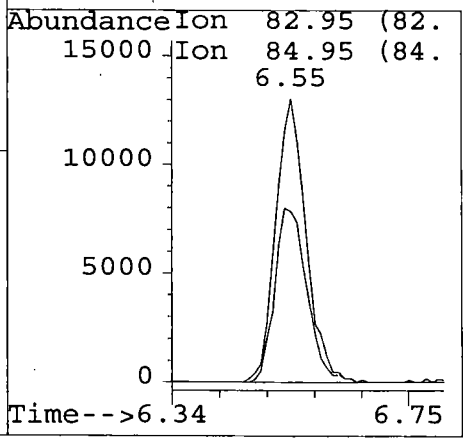




#28
Chloroform
Concen: 2.49 ug/L
RT: 6.55 min Scan# 505
Delta R.T. 0.02 min
Lab File: 03656.d
Acq: 4 May 98 5:40 pm

Tgt Ion:82.95 Resp: 47222

Ion	Ratio	Lower	Upper
83	100		
85	65.1	0.0	164.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

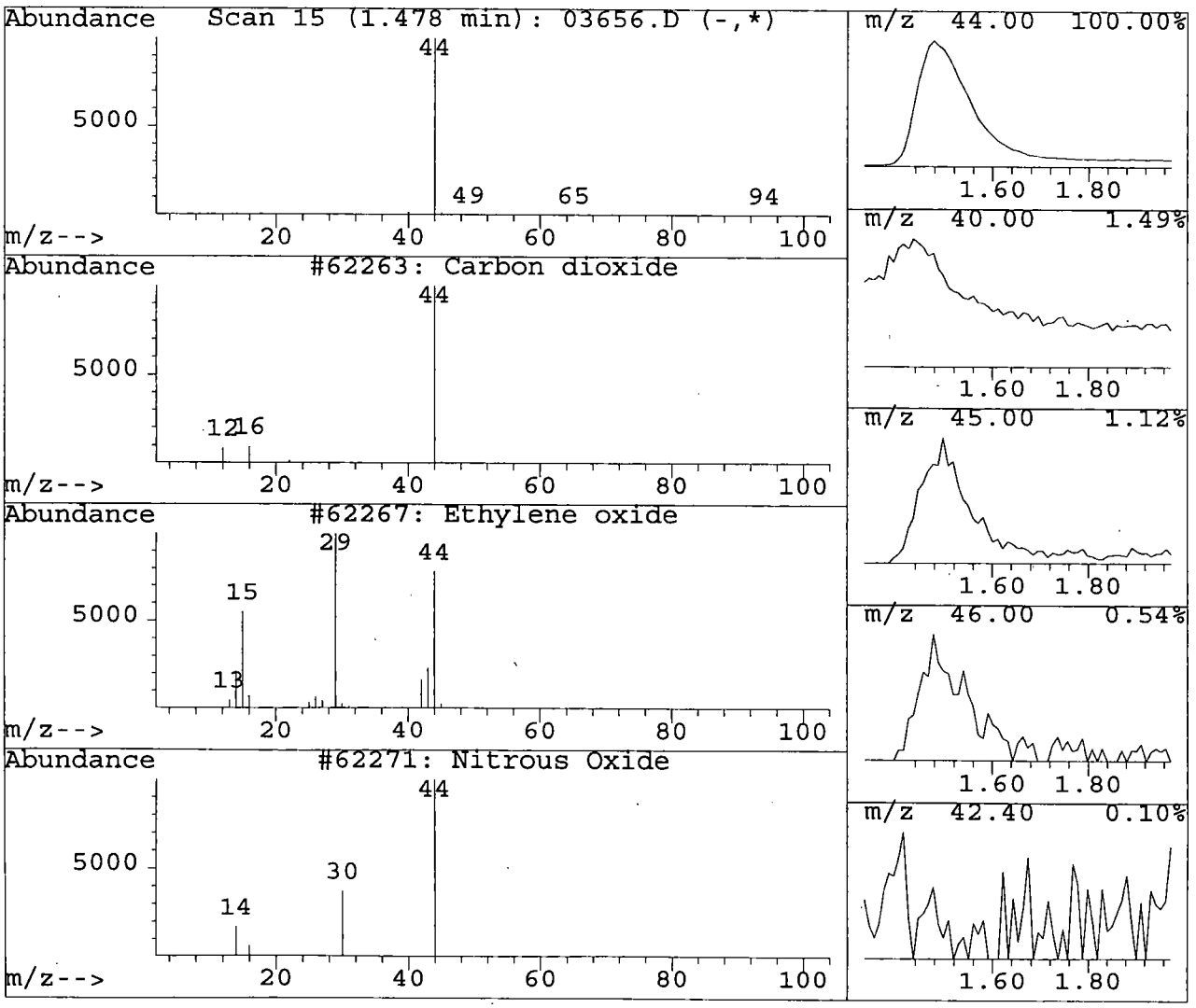
Data File : c:\hpchem\1\data\05_04_98\03656.d
Acq On : 4 May 98 5:40 pm
Sample : TLCEDW1*6
Misc :

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.48	43.82 ug/L	2037192	Pentafluorobenzen	2324623	6.93

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Ethylene oxide	62267	000075-21-8	3
3	Nitrous Oxide	62271	010024-97-2	3
4	Acetaldehyde	62264	000075-07-0	3
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03657.d
Acq On : 4 May 98 6:11 pm
Sample : TLCEDW1*7
Misc :
Quant Time: May 12 15:46 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	649124	50.00 ug/L	0.01
30) 1,4-Difluorobenzene	8.04	114	1254641	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.77	117	1178552	50.00 ug/L	0.02
66) 1,4-Dichlorobenzene-d4	16.82	152	519969	50.00 ug/L	0.01
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.27	65	589049	52.16 ug/L	104.32%
32) Dibromofluoromethane	6.79	113	387533	48.68 ug/L	97.36%
47) Toluene-d8	10.39	98	1657733	50.36 ug/L	100.72%
51) Bromofluorobenzene	14.80	95	625848	50.28 ug/L	100.55%
Target Compounds					Qvalue
19) 1,1-Dichloroethane	5.08	63	11586	0.66 ug/L	94
38) Benzene	7.38	78	334143	7.86 ug/L	100
48) Toluene	10.49	91	5262263	119.87 ug/L	100
59) Chlorobenzene	12.82	112	18814237	* ~~737.05~~ ug/L	92
61) Ethylbenzene	13.03	106	49565	3.63 ug/L	91
62) Meta + Para Xylene	13.24	106	116938	** 6.25 ug/L	100
63) Ortho Xylene	13.91	106	53943	3.13 ug/L	100

59) Chlorobenzene - 690.68 ug/L reported from 5x dil 03669.d

** Xylene (total) - 9.38 ug/L

05/13/98

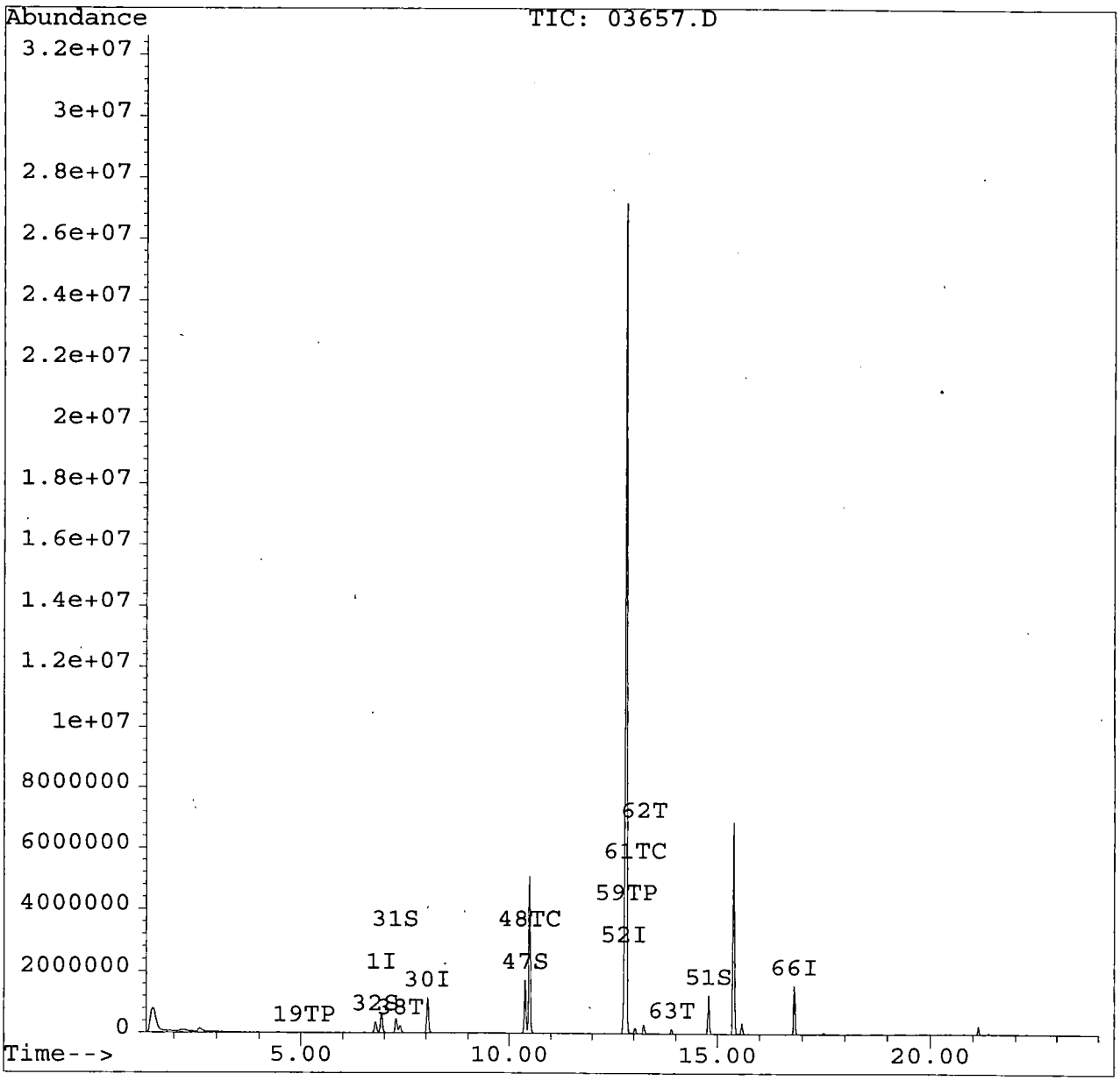
(#) = qualifier out of range (m) = manual integration
03657.d W8260ALL.M Tue May 12 16:01:50 1998 RP1 Page 1

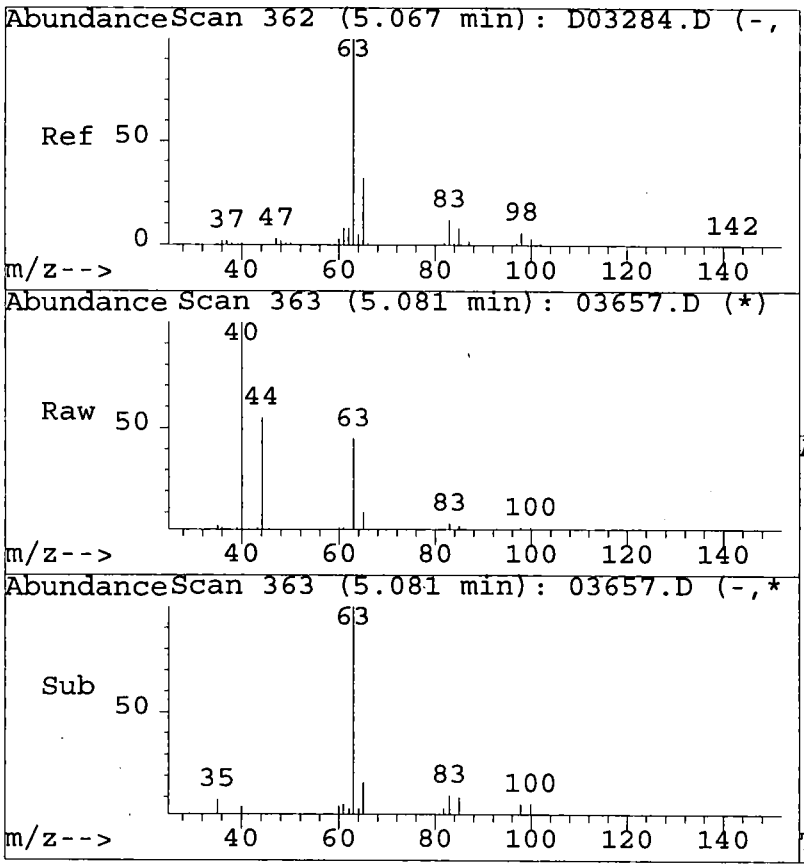
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03657.d
Acq On : 4 May 98 6:11 pm
Sample : TLCEDW1*7
Misc :
Quant Time: May 12 15:46 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

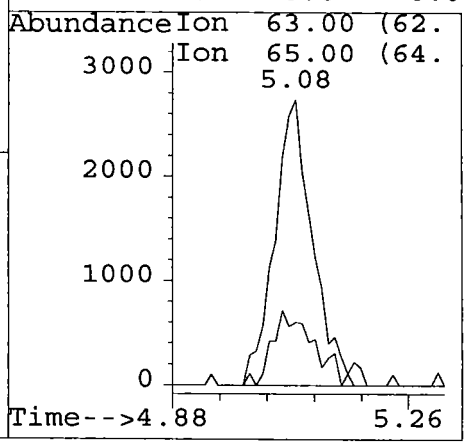


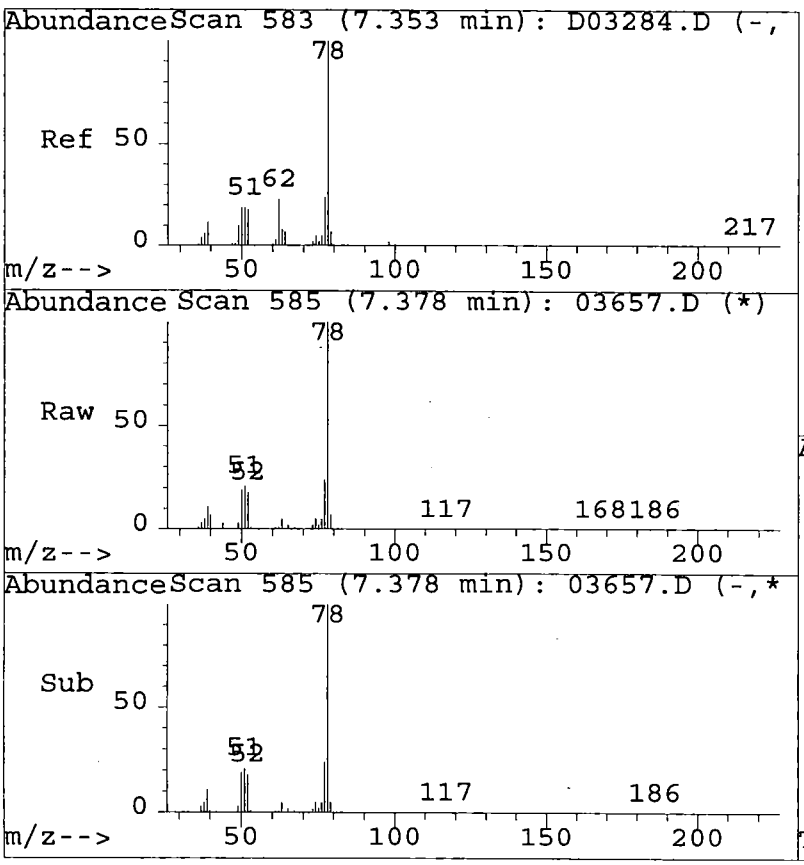


#19
1,1-Dichloroethane
Concen: 0.66 ug/L
RT: 5.08 min Scan# 363
Delta R.T. 0.01 min
Lab File: 03657.d
Acq: 4 May 98 6:11 pm

Tgt Ion:63 Resp: 11586

Ion	Ratio	Lower	Upper
63	100		
65	28.0	0.0	131.2
0	0.0	0.0	0.0
0	0.0	0.0	0.0

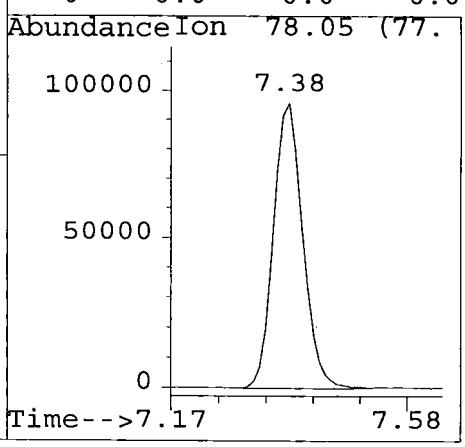


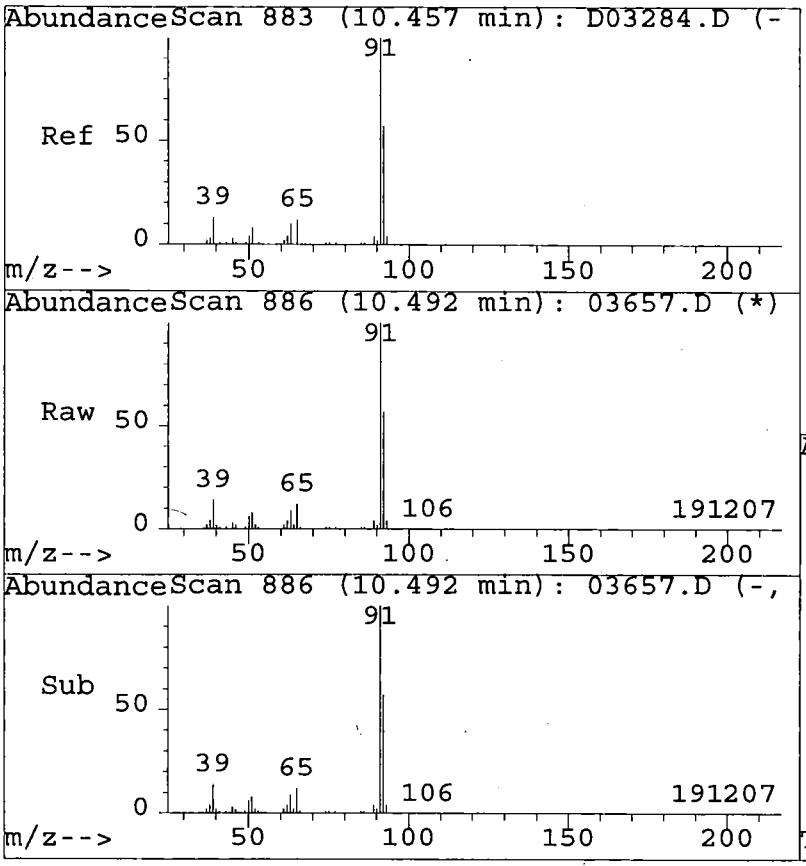


#38
Benzene
Concen: 7.86 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03657.d
Acq: 4 May 98 6:11 pm

Tgt Ion:78.05 Resp: 334143

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

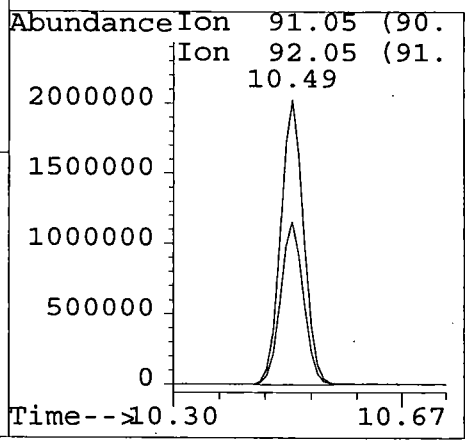


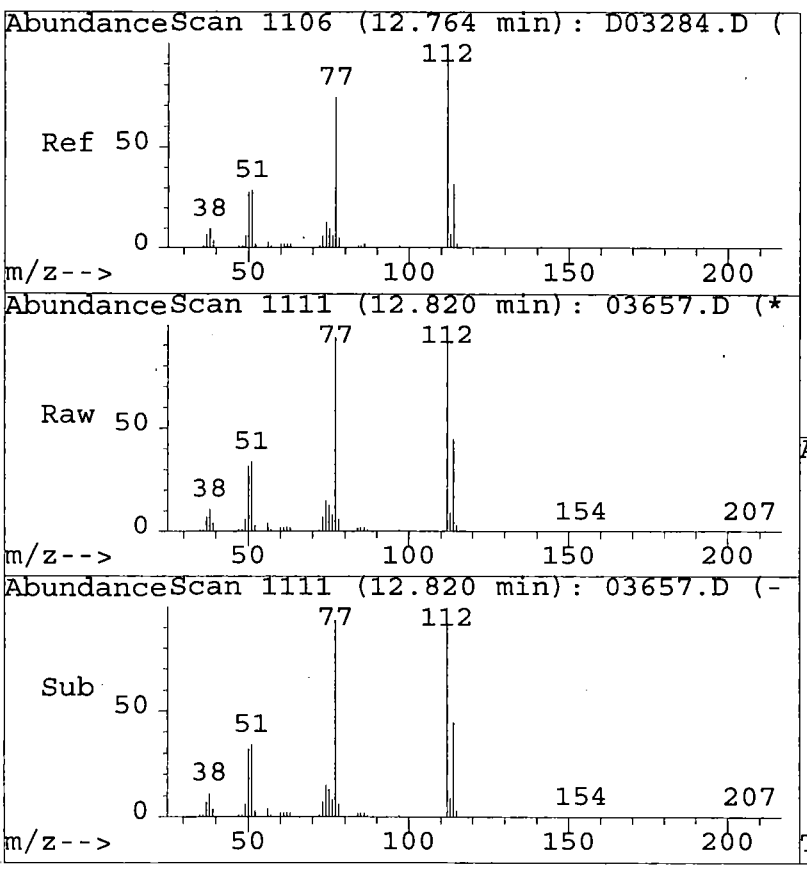


#48
Toluene
Concen: 119.87 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03657.d
Acq: 4 May 98 6:11 pm

Tgt Ion:91.05 Resp: 5262263

Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

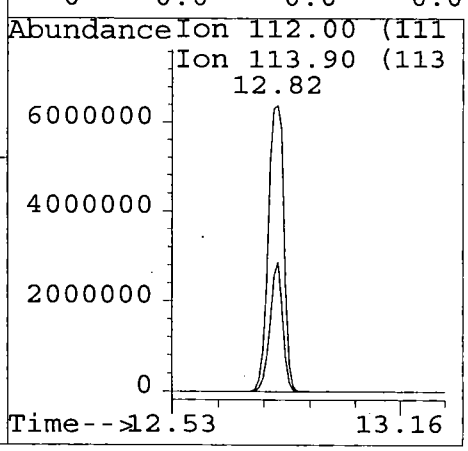


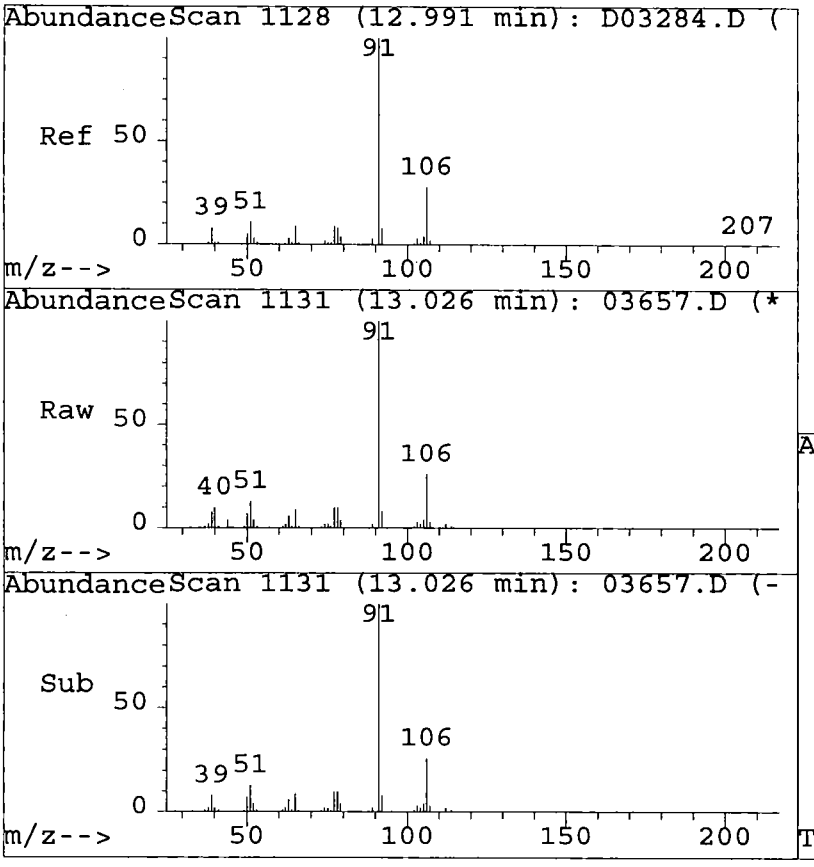


#59
Chlorobenzene
Concen: 737.05 ug/L
RT: 12.82 min Scan# 1111
Delta R.T. 0.03 min
Lab File: 03657.d
Acq: 4 May 98 6:11 pm

Tgt Ion:112 Resp:18814237

Ion	Ratio	Lower	Upper
112	100		
114	36.2	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

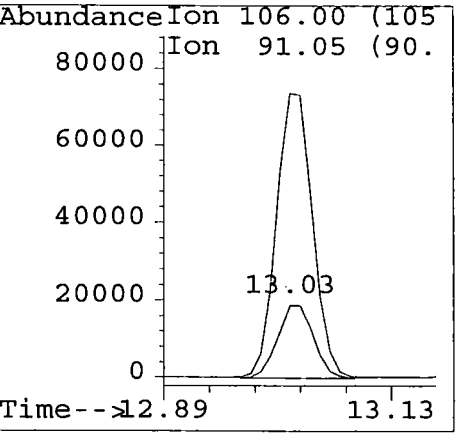


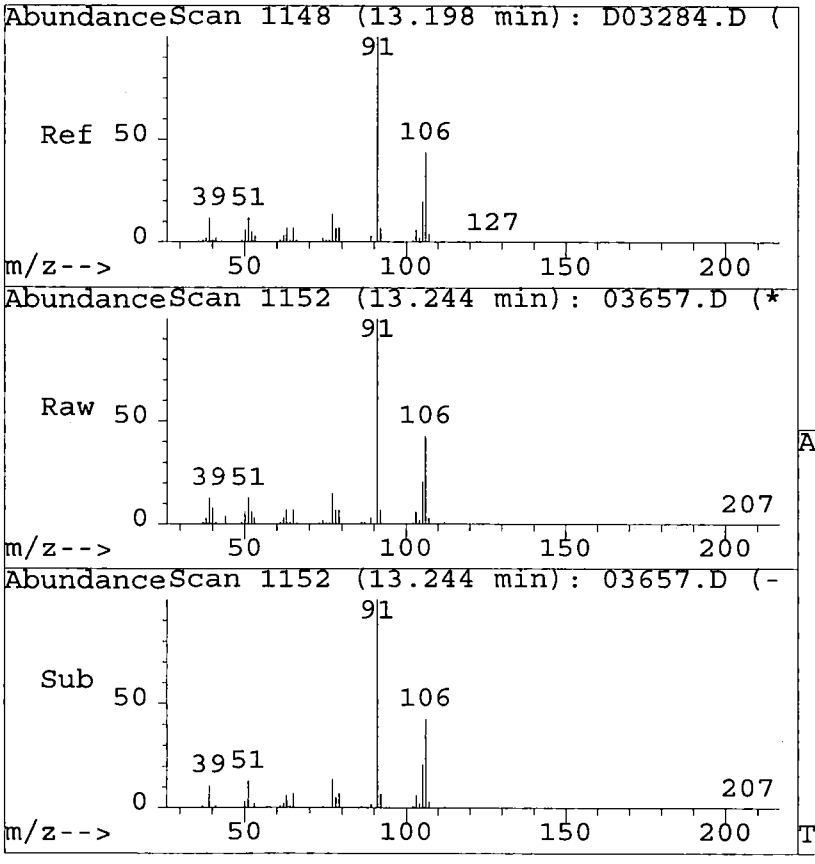


#61
Ethylbenzene
Concen: 3.63 ug/L
RT: 13.03 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03657.d
Acq: 4 May 98 6:11 pm

Tgt Ion:106 Resp: 49565

Ion	Ratio	Lower	Upper
106	100		
91	391.2	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

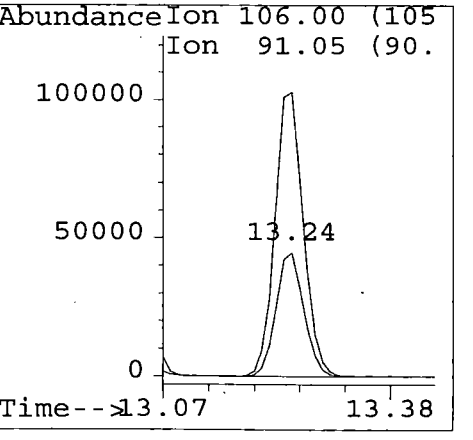


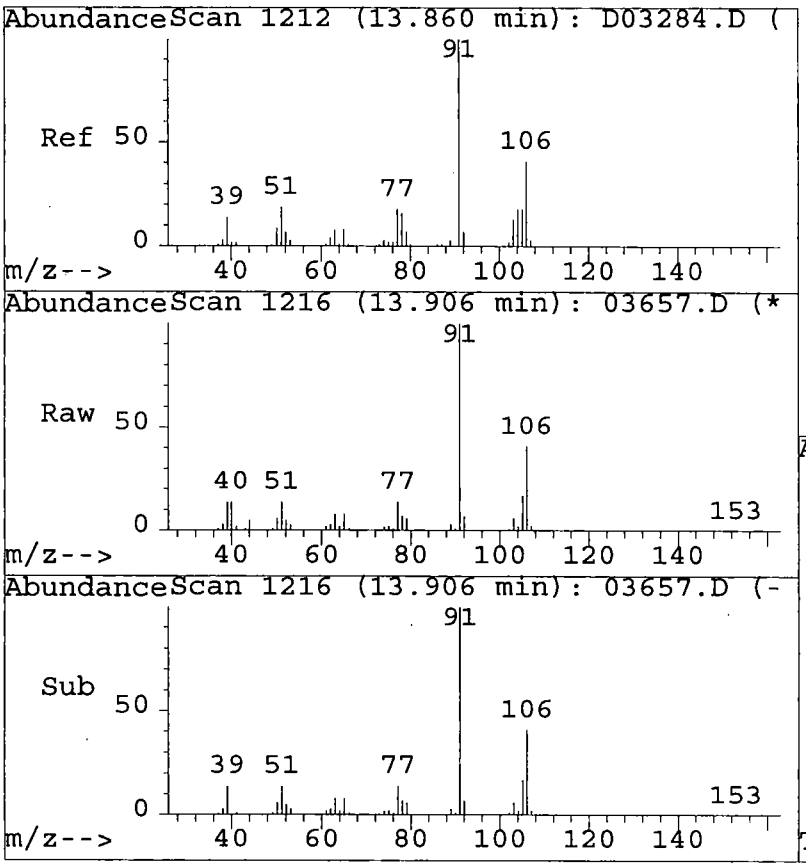


#62
Meta + Para Xylene
Concen: 6.25 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03657.d
Acq: 4 May 98 6:11 pm

Tgt Ion:106 Resp: 116938

Ion	Ratio	Lower	Upper
106	100		
91	233.3	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

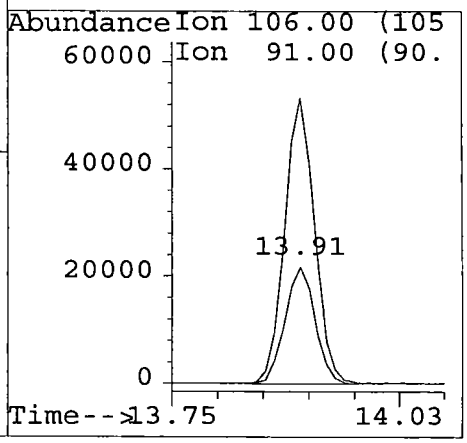




#63
Ortho Xylene
Concen: 3.13 ug/L
RT: 13.91 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03657.d
Acq: 4 May 98 6:11 pm

Tgt Ion:106 Resp: 53943

Ion	Ratio	Lower	Upper
106	100		
91	242.4	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

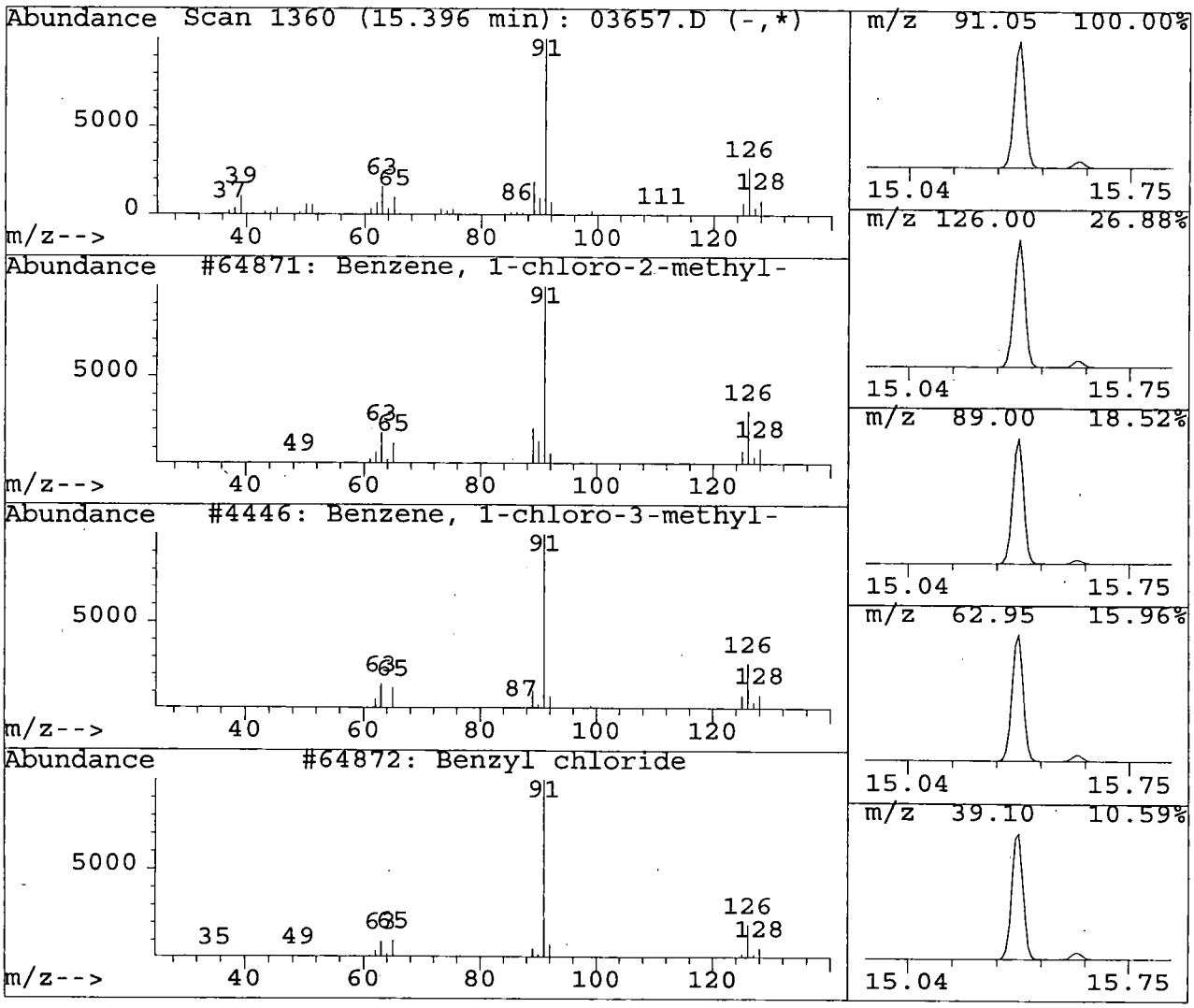
Data File : c:\hpchem\1\data\05_04_98\03657.d
Acq On : 4 May 98 6:11 pm
Sample : TLCEDW1*7
Misc :

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.40	220.32 ug/L	16723503	1,4-Dichlorobenze	3795255	16.82

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	64871	000095-49-8	96
2	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	94
3	Benzyl chloride	64872	000100-44-7	87
4	Benzene, 1-chloro-4-methyl-	64879	000106-43-4	64
5	1,3,5-Cycloheptatriene, 1-chloro-	4450	032743-66-1	47



Library Search Compound Report

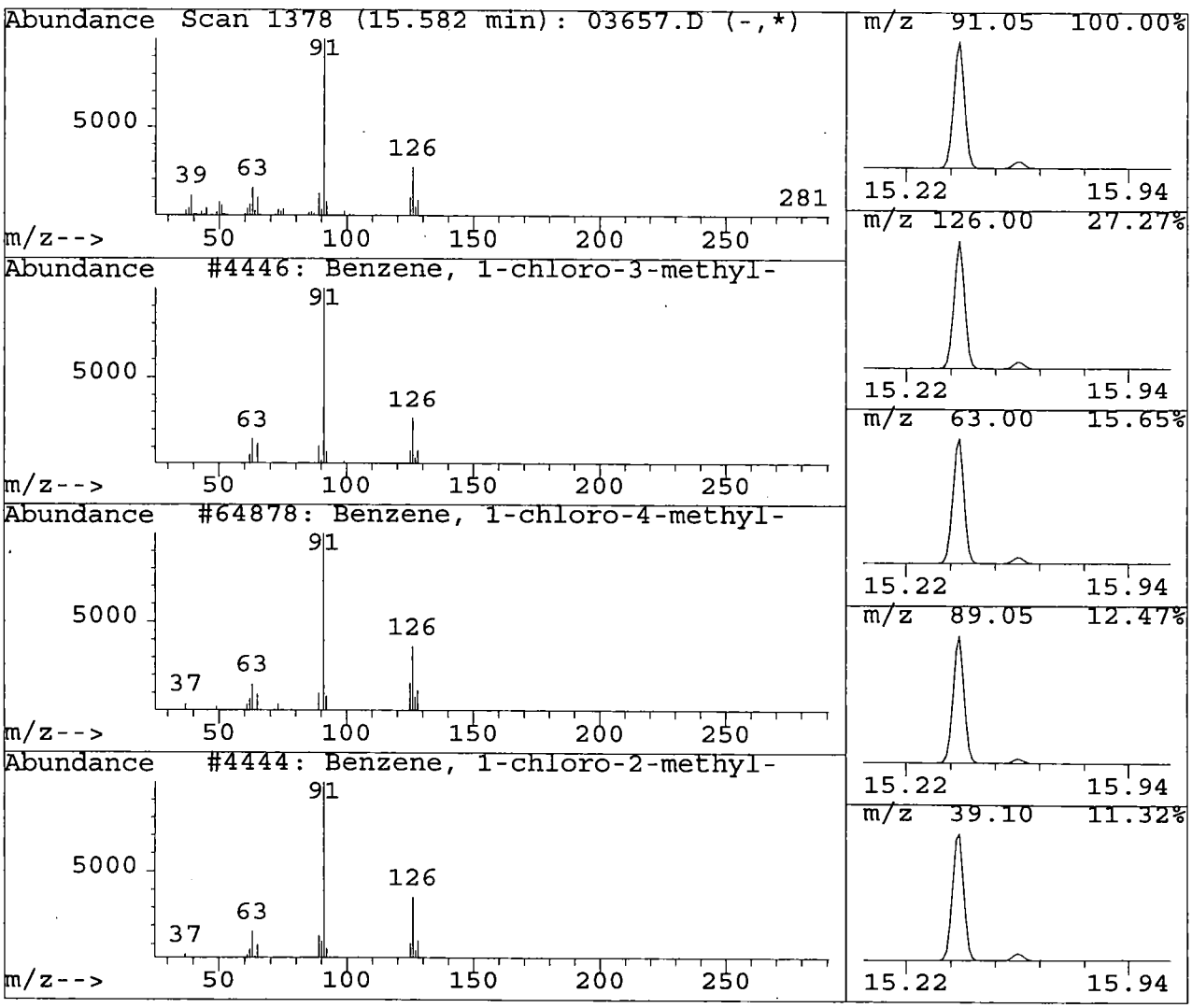
Data File : c:\hpchem\1\data\05_04_98\03657.d
Acq On : 4 May 98 6:11 pm
Sample : TLCEDW1*7
Misc :

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.58	12.06 ug/L	915473	1,4-Dichlorobenze	3795255	16.82

Hit 3	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	97
2	Benzene, 1-chloro-4-methyl-	64878	000106-43-4	96
3	Benzene, 1-chloro-2-methyl-	4444	000095-49-8	93
4	Benzyl chloride	64872	000100-44-7	81
5	1,3,5-Cycloheptatriene, 2-chloro-	4447	034896-79-2	37



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03658.d
Acq On : 4 May 98 6:41 pm
Sample : TLCEDW1*8
Misc :
Quant Time: May 12 15:46 1998

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	633008	50.00 ug/L	0.01
30) 1,4-Difluorobenzene	8.05	114	1269620	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.76	117	1144830	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	152	545610	50.00 ug/L	0.01
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.29	65	579203	50.68 ug/L	101.37%
32) Dibromofluoromethane	6.79	113	390025	48.42 ug/L	96.83%
47) Toluene-d8	10.39	98	1693716	50.85 ug/L	101.69%
51) Bromofluorobenzene	14.80	95	616071	48.91 ug/L	97.82%
Target Compounds					Qvalue
4) Vinyl Chloride	1.93	62	28584	2.49 ug/L	95
59) Chlorobenzene	12.81	112	430473	17.36 ug/L	100

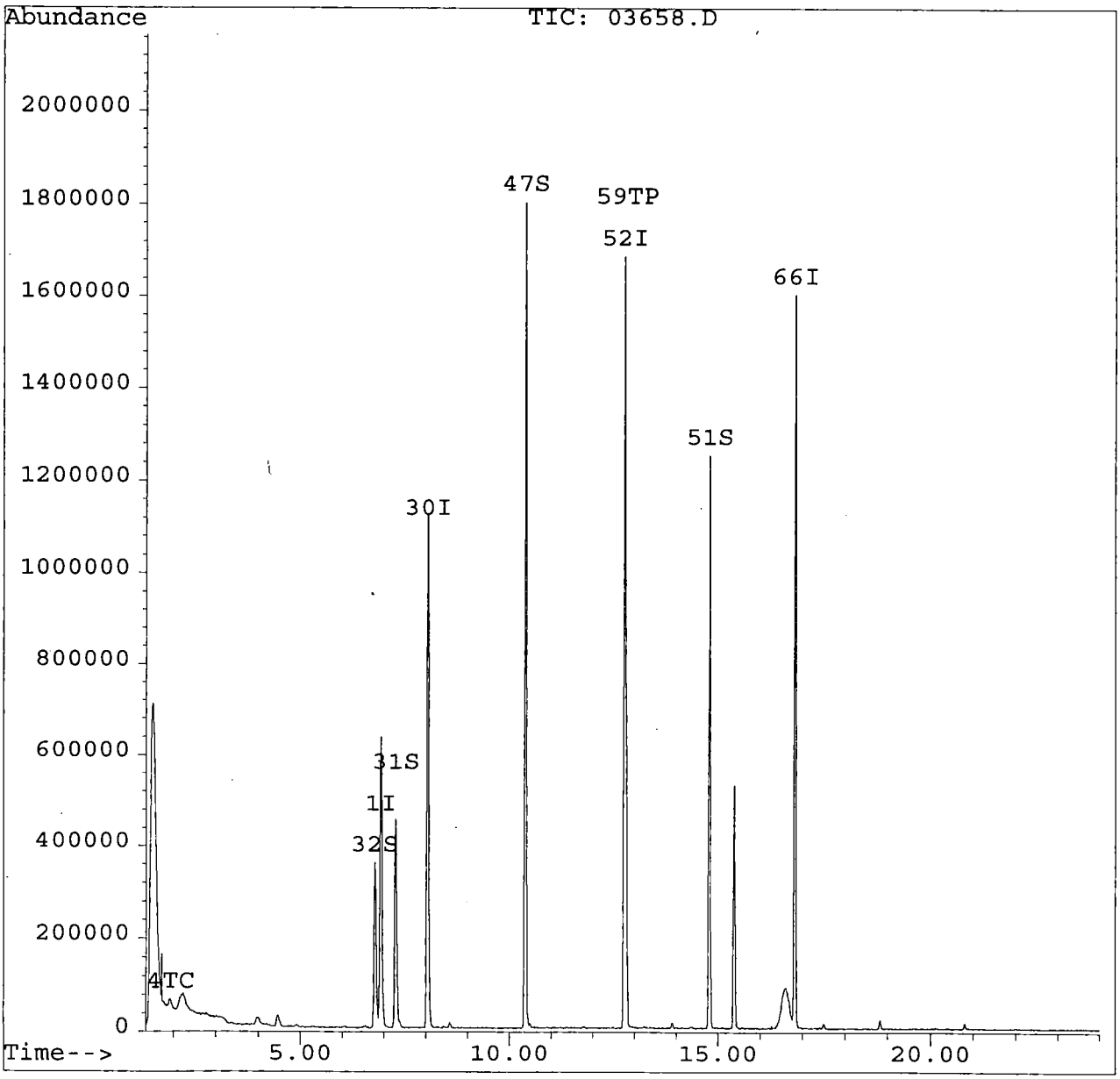
(#) = qualifier out of range (m) = manual integration

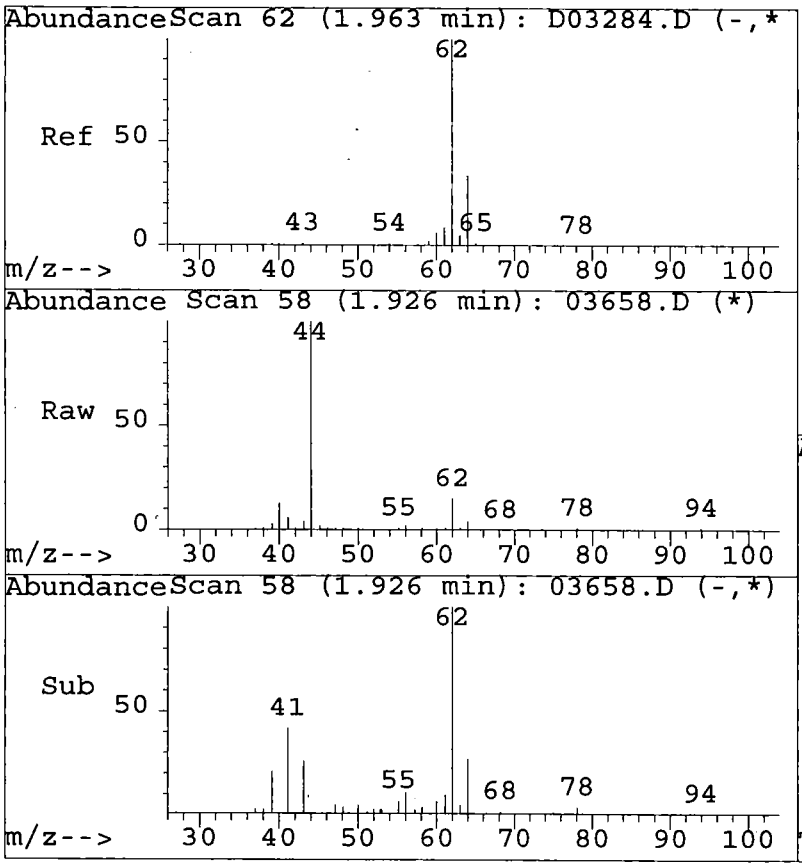
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03658.d
Acq On : 4 May 98 6:41 pm
Sample : TLCEDW1*8
Misc :
Quant Time: May 12 15:46 1998

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

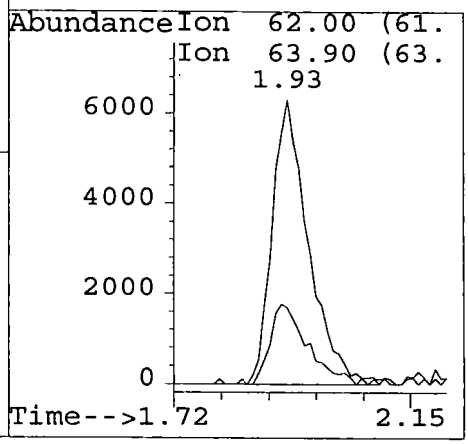


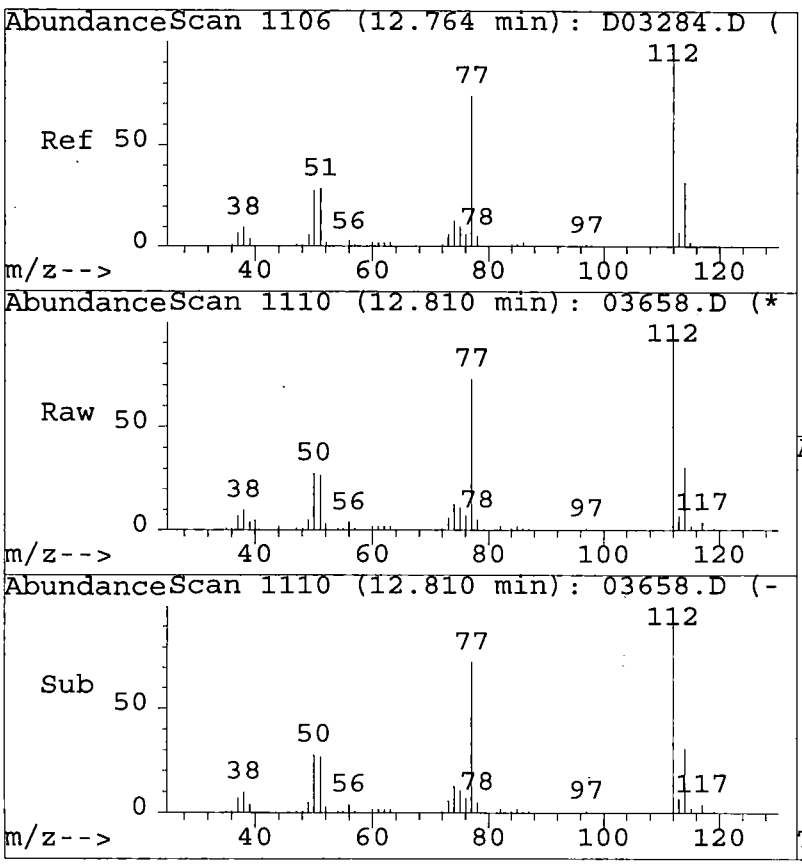


#4
Vinyl Chloride
Concen: 2.49 ug/L
RT: 1.93 min Scan# 58
Delta R.T. 0.00 min
Lab File: 03658.d
Acq: 4 May 98 6:41 pm

Tgt Ion:62 Resp: 28584

Ion	Ratio	Lower	Upper
62	100		
64	28.8	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

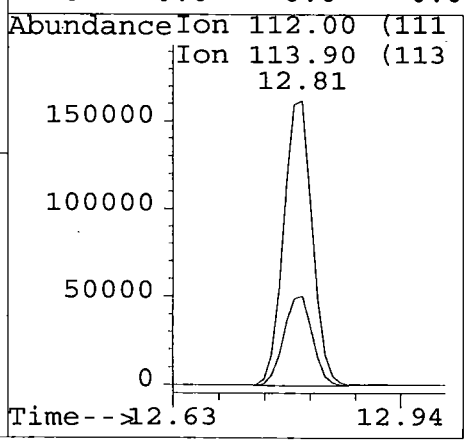




#59
Chlorobenzene
Concen: 17.36 ug/L
RT: 12.81 min Scan# 1110
Delta R.T. 0.02 min
Lab File: 03658.d
Acq: 4 May 98 6:41 pm

Tgt Ion:112 Resp: 430473

Ion	Ratio	Lower	Upper
112	100		
114	31.4	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

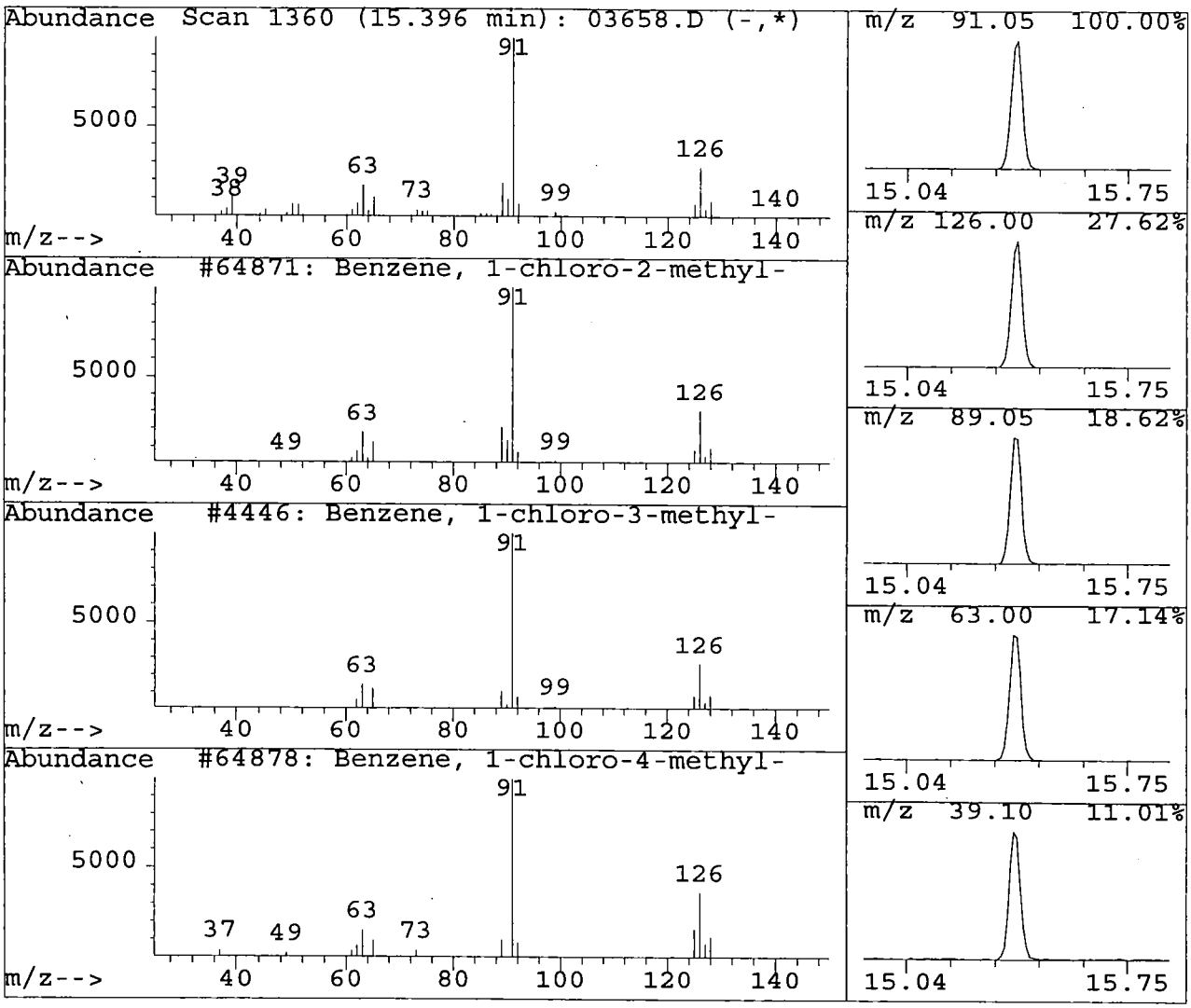
Data File : c:\hpchem\1\data\05_04_98\03658.d
Acq On : 4 May 98 6:41 pm
Sample : TLCEDW1*8
Misc :

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.40	17.28 ug/L	1348784	1,4-Dichlorobenze	3902832	16.82

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	64871	000095-49-8	96
2	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	93
3	Benzene, 1-chloro-4-methyl-	64878	000106-43-4	68
4	Benzyl chloride	64872	000100-44-7	64
5	Hydrazinecarboxylic acid, phenylmet	13889	005331-43-1	47



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03659.d
Acq On : 4 May 98 7:11 pm
Sample : TLCEDW1*9
Misc :
Quant Time: May 12 15:48 1998

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	658989	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.05	114	1253662	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.77	117	1179340	50.00 ug/L	0.02
66) 1,4-Dichlorobenzene-d4	16.82	152	526826	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.28	65	579813	51.38 ug/L	102.77%
32) Dibromofluoromethane	6.79	113	383674	48.24 ug/L	96.47%
47) Toluene-d8	10.39	98	1668279	50.72 ug/L	101.44%
51) Bromofluorobenzene	14.79	95	625943	50.32 ug/L	100.65%
Target Compounds					Qvalue
4) Vinyl Chloride	1.92	62	16040	1.34 ug/L	87
23) cis-1,2-Dichloroethene	6.01	61	19802	1.14 ug/L	95
38) Benzene	7.38	78	383139	9.02 ug/L	100
48) Toluene	10.49	91	24803	0.57 ug/L	97
59) Chlorobenzene	12.82	112	19876836	* ~~778.16~~ ug/L	87
63) Ortho Xylene	13.90	106	12431	0.72 ug/L	90

59) Chlorobenzene – 784.95 ug/L reported from 5x dil 03670.d

05/13/98

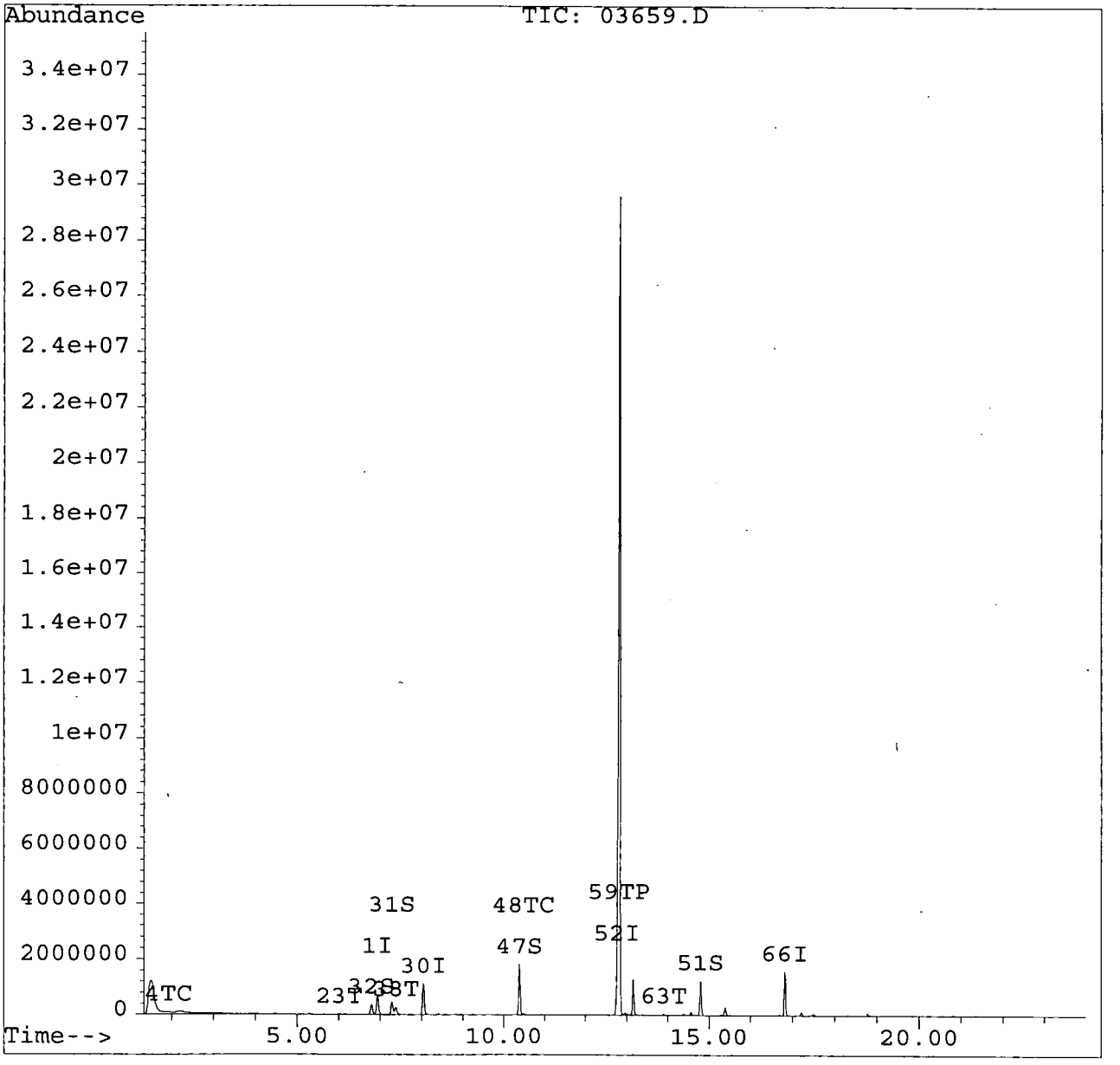
(#) = qualifier out of range (m) = manual integration
03659.d W8260ALL.M Tue May 12 16:03:30 1998 RP1 Page 1

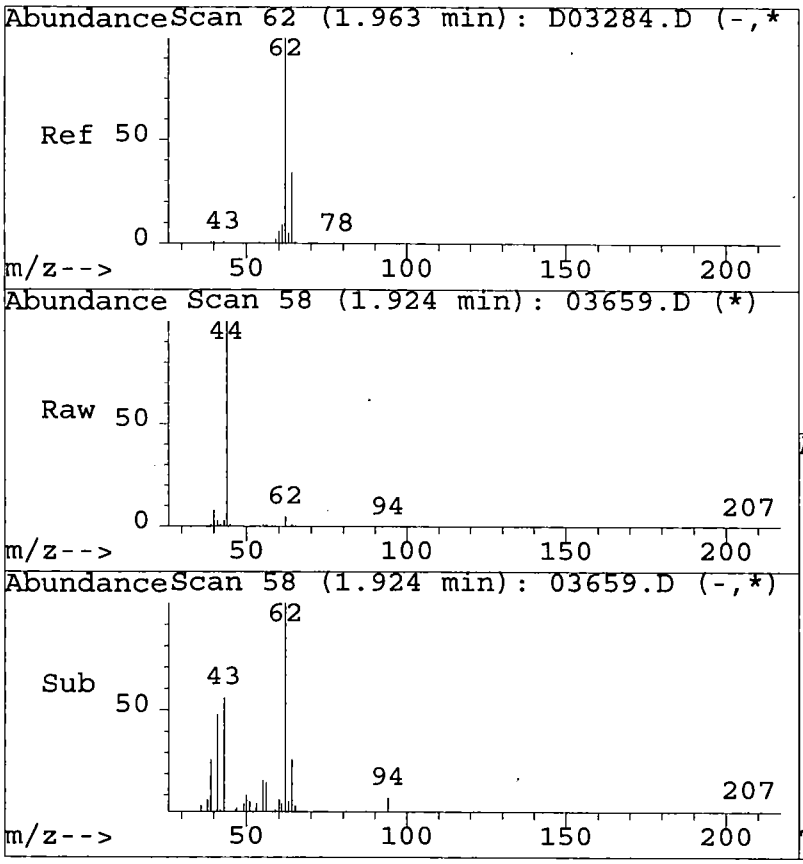
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03659.d
Acq On : 4 May 98 7:11 pm
Sample : TLCEDW1*9
Misc :
Quant Time: May 12 15:48 1998

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

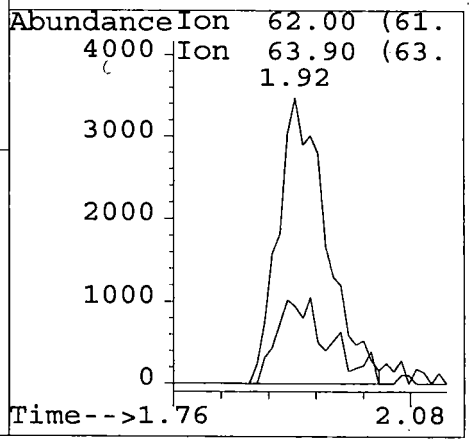


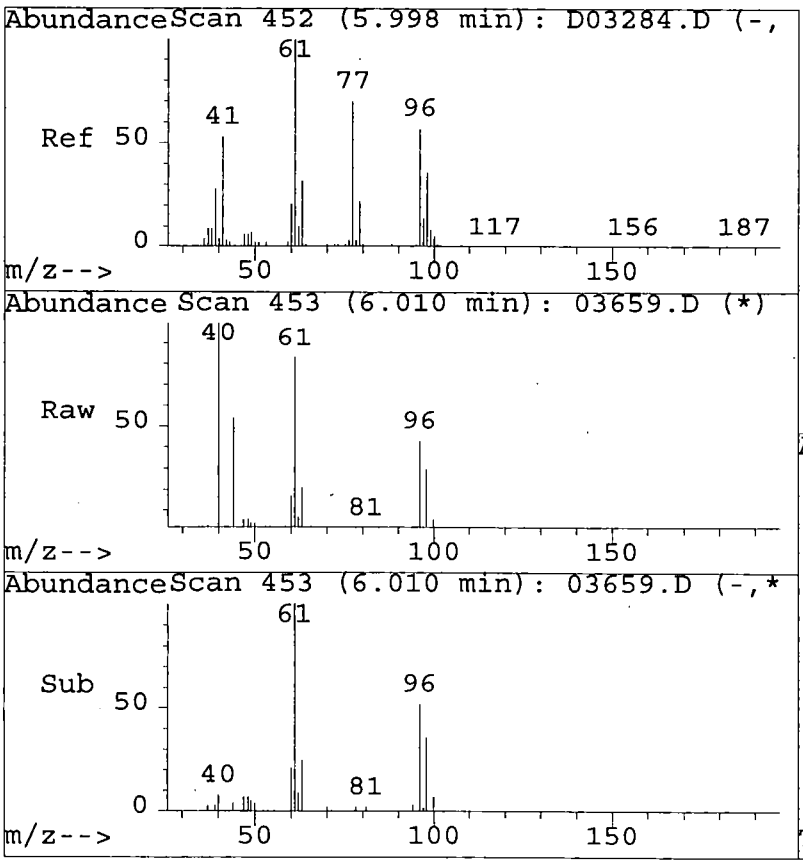


#4
Vinyl Chloride
Concen: 1.34 ug/L
RT: 1.92 min Scan# 58
Delta R.T. -0.00 min
Lab File: 03659.d
Acq: 4 May 98 7:11 pm

Tgt Ion:62 Resp: 16040

Ion	Ratio	Lower	Upper
62	100		
64	24.3	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

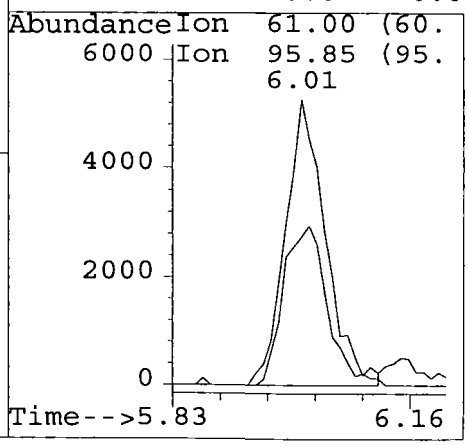


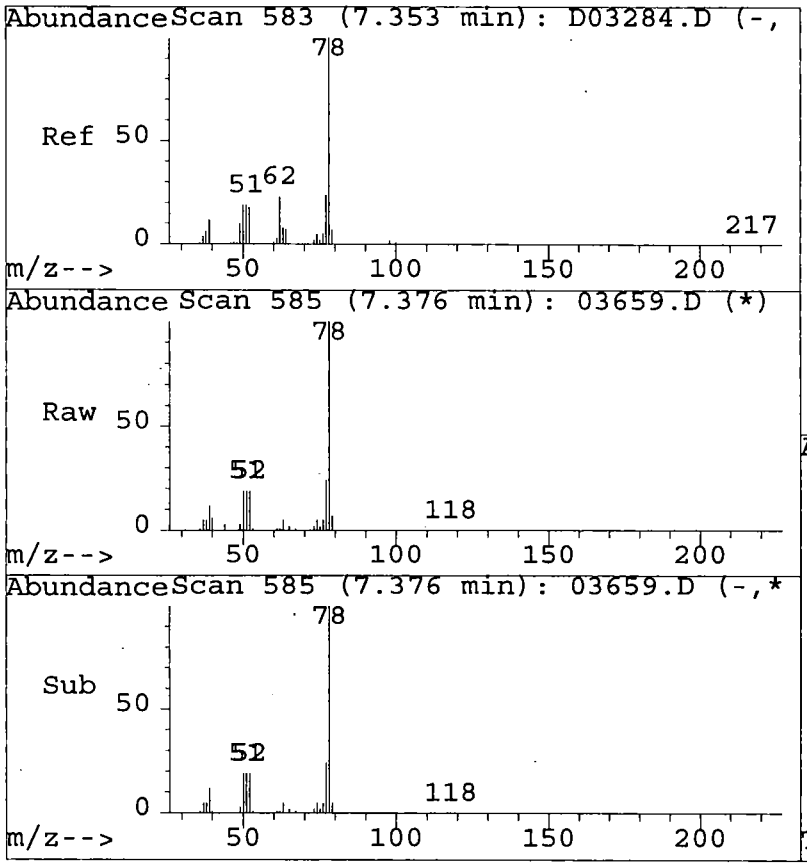


#23
cis-1,2-Dichloroethene
Concen: 1.14 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03659.d
Acq: 4 May 98 7:11 pm

Tgt Ion:61 Resp: 19802

Ion	Ratio	Lower	Upper
61	100		
96	60.9	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

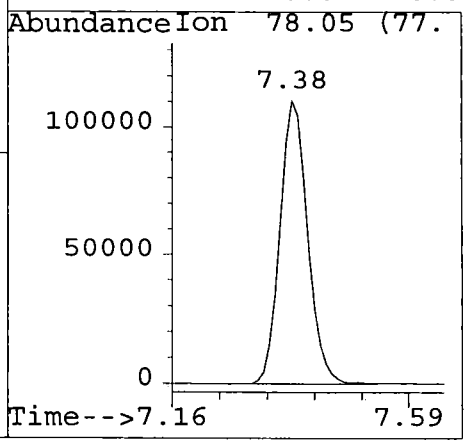


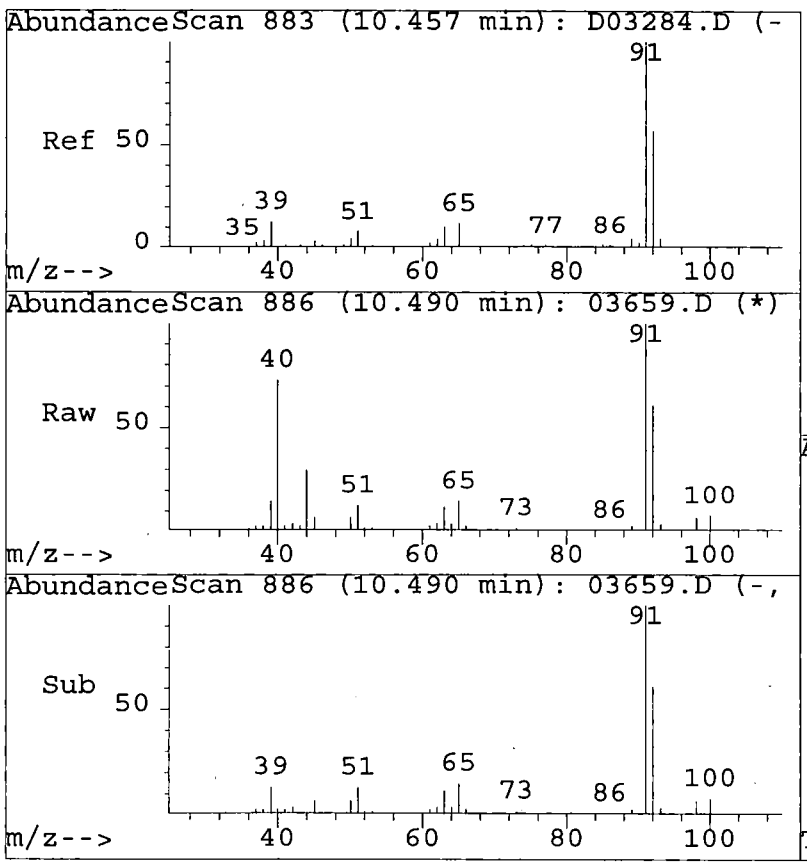


#38
Benzene
Concen: 9.02 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03659.d
Acq: 4 May 98 7:11 pm

Tgt Ion:78.05 Resp: 383139

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

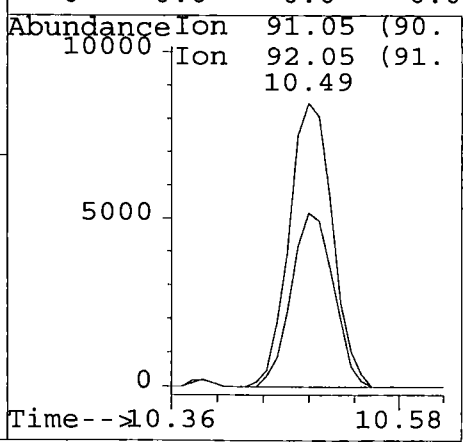


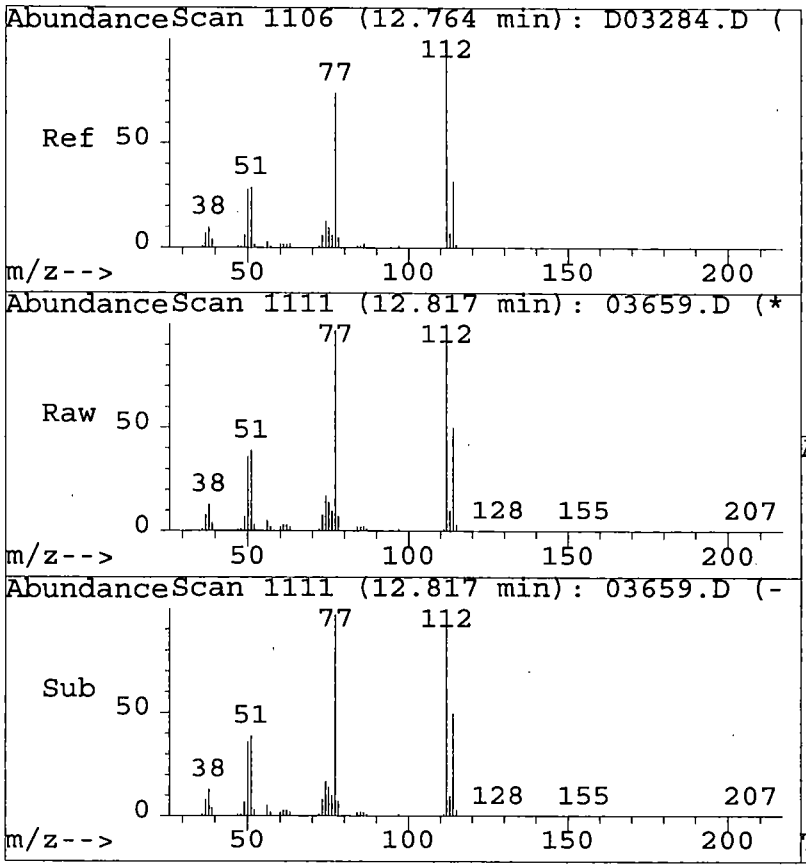


#48
Toluene
Concen: 0.57 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03659.d
Acq: 4 May 98 7:11 pm

Tgt Ion:91.05 Resp: 24803

Ion	Ratio	Lower	Upper
91	100		
92	59.5	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

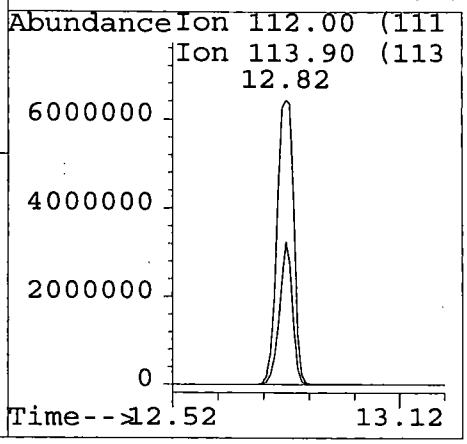


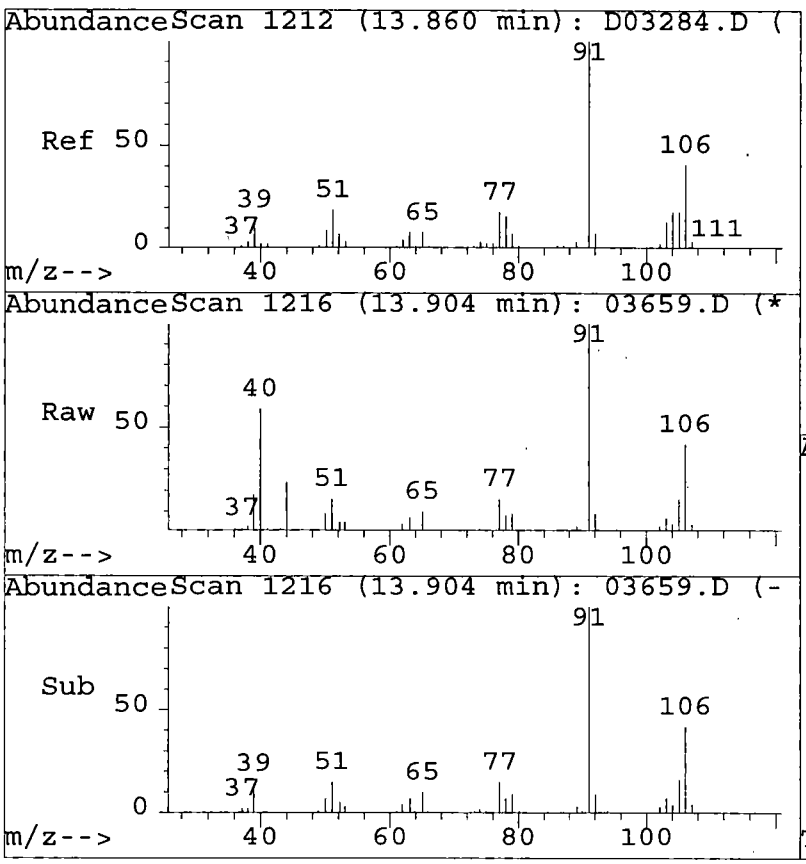


#59
Chlorobenzene
Concen: 778.16 ug/L
RT: 12.82 min Scan# 1111
Delta R.T. 0.03 min
Lab File: 03659.d
Acq: 4 May 98 7:11 pm

Tgt Ion:112 Resp:19876836

Ion	Ratio	Lower	Upper
112	100		
114	38.9	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

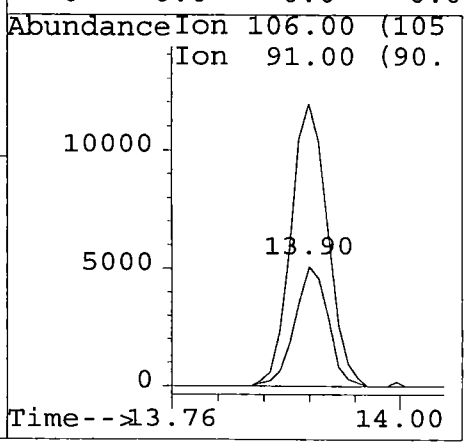




#63
Ortho Xylene
Concen: 0.72 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03659.d
Acq: 4 May 98 7:11 pm

Tgt Ion:106 Resp: 12431

Ion	Ratio	Lower	Upper
106	100		
91	259.3	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

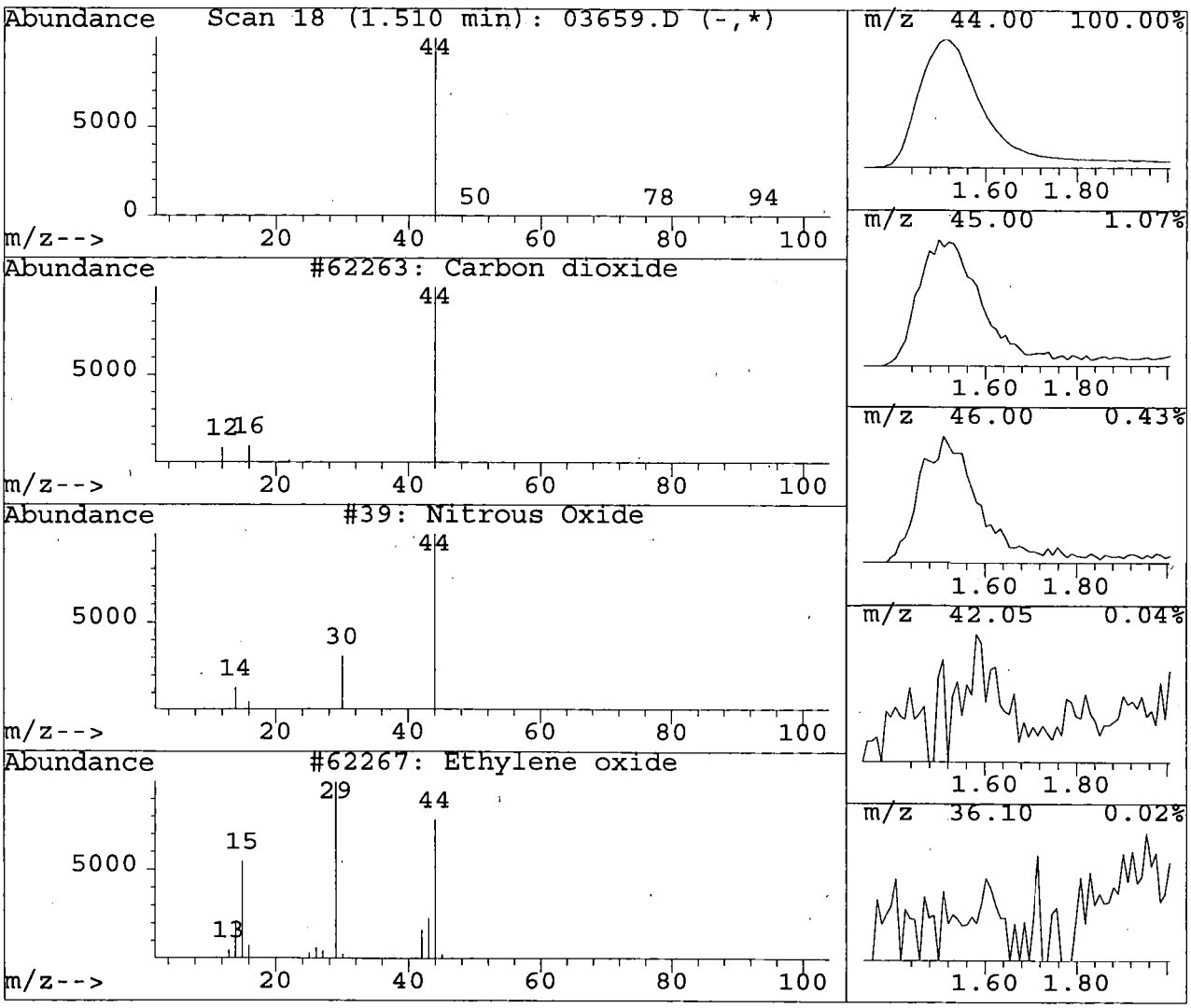
Data File : c:\hpchem\1\data\05_04_98\03659.d
Acq On : 4 May 98 7:11 pm
Sample : TLCEDW1*9
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.51	260.46 ug/L	11788460	Pentafluorobenzen	2262994	6.93

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	39	010024-97-2	3
3	Ethylene oxide	62267	000075-21-8	2
4	Acetaldehyde	62265	000075-07-0	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03660.d
Acq On : 4 May 98 7:42 pm
Sample : TLCEDW1*10
Misc :
Quant Time: May 12 15:49 1998

Vial: 15
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	168	576486	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.05	114	1135929	50.00	ug/L	0.02
52) Chlorobenzene-d5	12.77	117	1135607	50.00	ug/L	0.02
66) 1,4-Dichlorobenzene-d4	16.82	152	490665	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	65	569870	55.74	ug/L	111.47%
32) Dibromofluoromethane	6.79	113	375929	52.16	ug/L	104.32%
47) Toluene-d8	10.39	98	1621684	54.41	ug/L	108.83%
51) Bromofluorobenzene	14.79	95	641000	56.88	ug/L	113.75%
Target Compounds						**Qvalue**
4) Vinyl Chloride	1.93	62	35796	3.43	ug/L	99
19) 1,1-Dichloroethane	5.09	63	27084	1.74	ug/L	97
23) cis-1,2-Dichloroethene	6.01	61	51283	3.39	ug/L	92
38) Benzene	7.38	78	1084003	28.18	ug/L	100
48) Toluene	10.49	91	11902407	~~299.46~~	ug/L	99
59) Chlorobenzene	12.82	112	24686601	~~1003.67~~	ug/L	58
61) Ethylbenzene	13.04	106	29663	2.25	ug/L	96
62) Meta + Para Xylene	13.24	106	75437	4.19	ug/L	98
63) Ortho Xylene	13.90	106	36400	2.19	ug/L	100

48) Toluene – 248.17
59) Chlorobenzene – 1267.42 } reported from 20X dil 03671.d

Xylene (total) – 6.38 ug/L

05/13/98

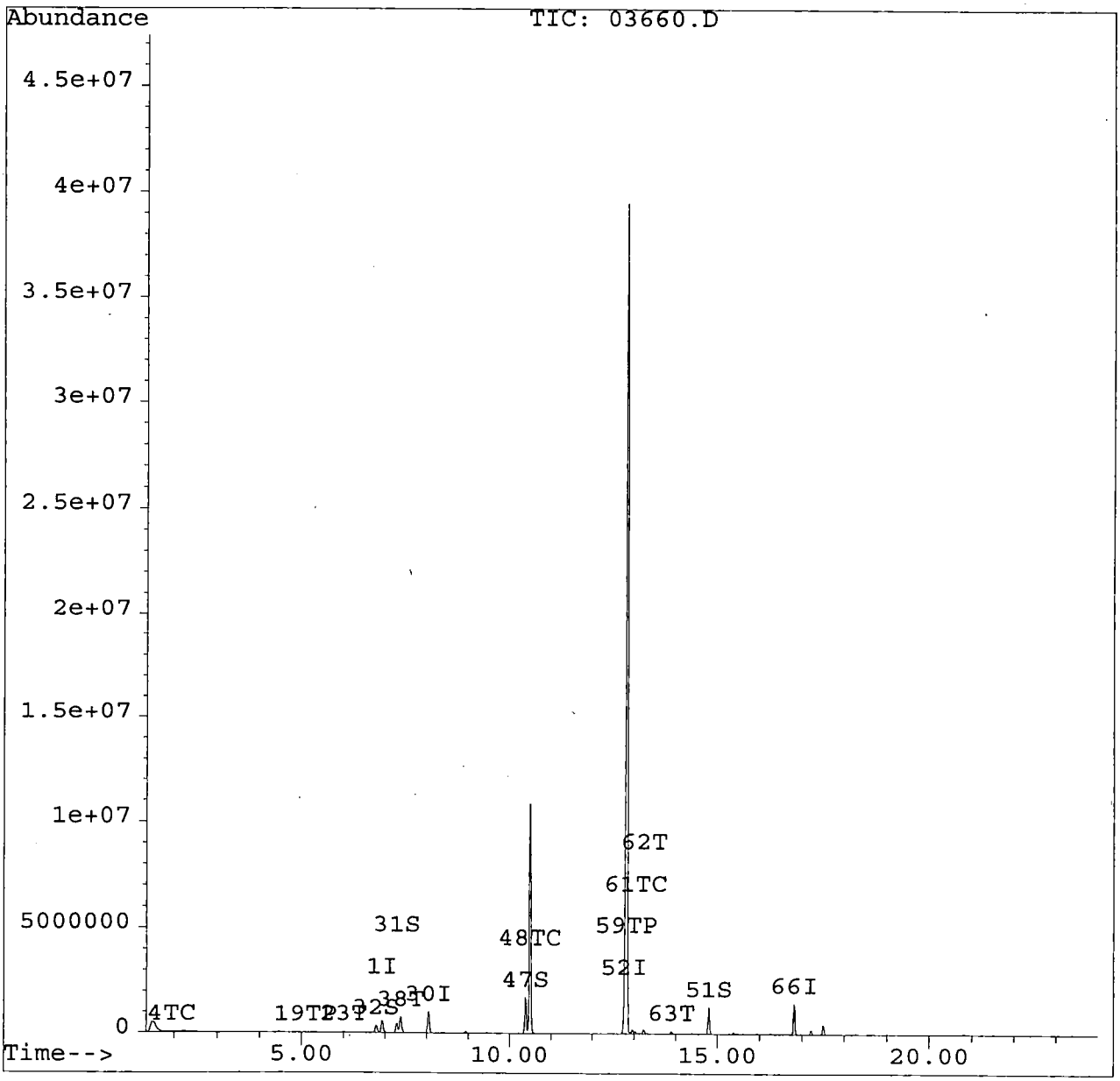
(#) = qualifier out of range (m) = manual integration
03660.d W8260ALL.M Tue May 12 16:04:25 1998 RP1 Page 1

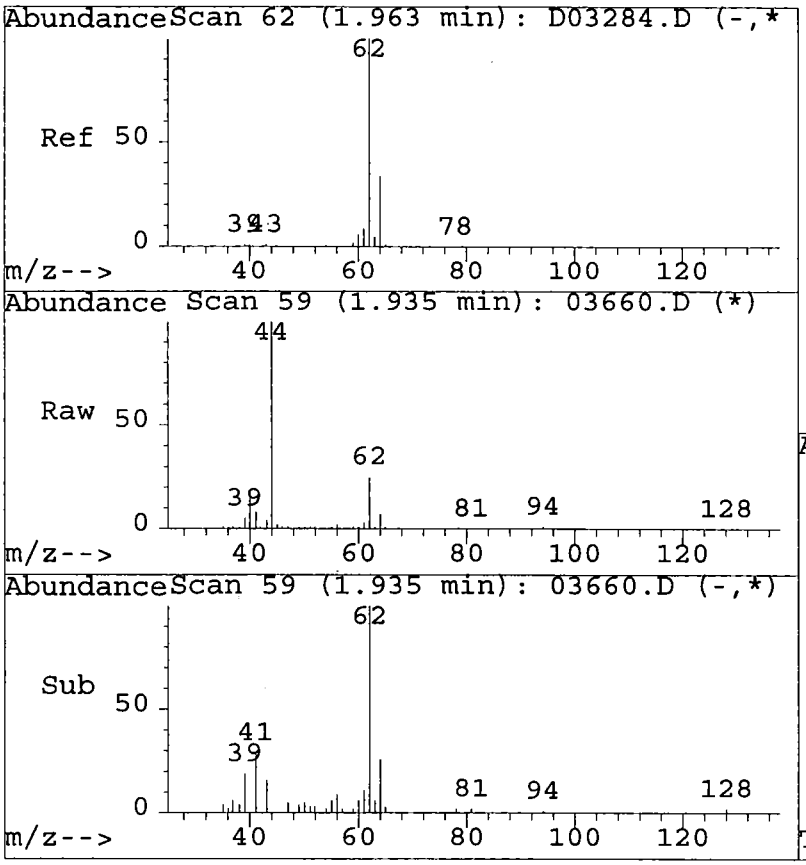
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03660.d
Acq On : 4 May 98 7:42 pm
Sample : TLCEDW1*10
Misc :
Quant Time: May 12 15:49 1998

Vial: 15
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

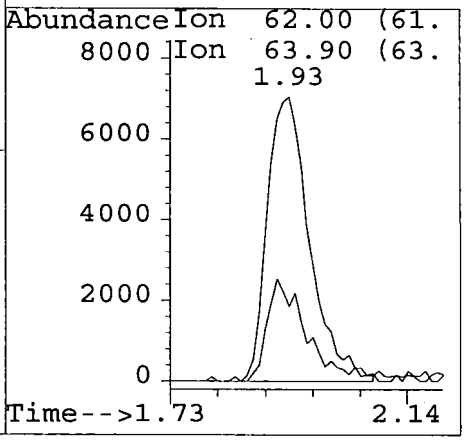


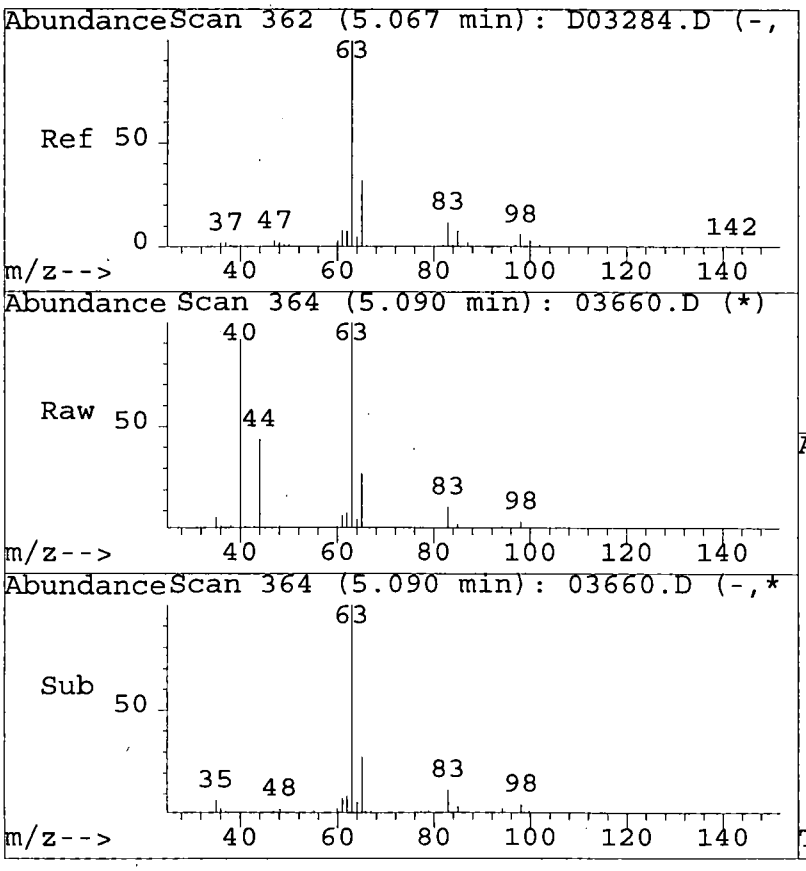


#4
Vinyl Chloride
Concen: 3.43 ug/L
RT: 1.93 min Scan# 59
Delta R.T. 0.01 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:62 Resp: 35796

Ion	Ratio	Lower	Upper
62	100		
64	32.1	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

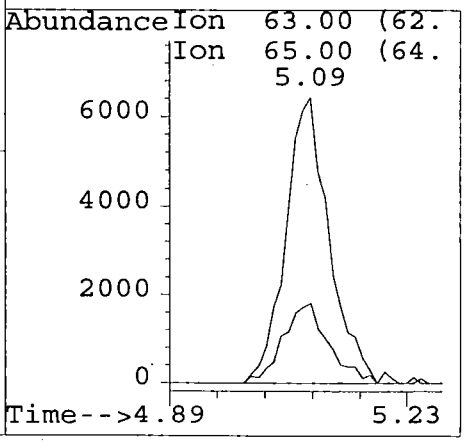


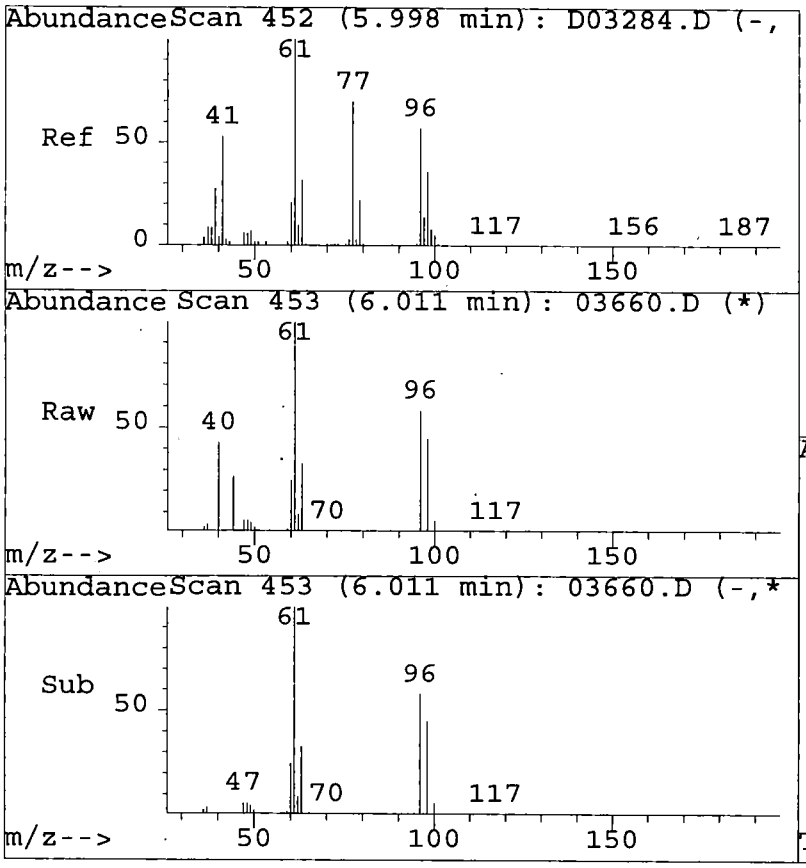


#19
1,1-Dichloroethane
Concen: 1.74 ug/L
RT: 5.09 min Scan# 364
Delta R.T. 0.02 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:63 Resp: 27084

Ion	Ratio	Lower	Upper
63	100		
65	29.7	0.0	131.2
0	0.0	0.0	0.0
0	0.0	0.0	0.0

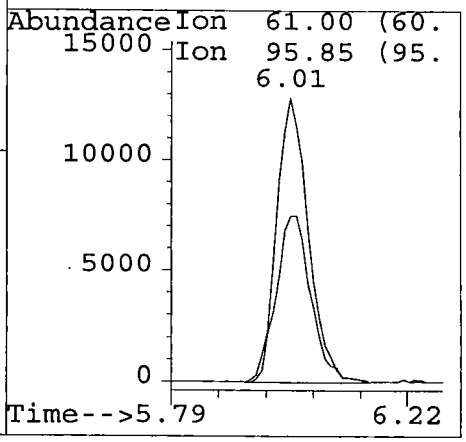


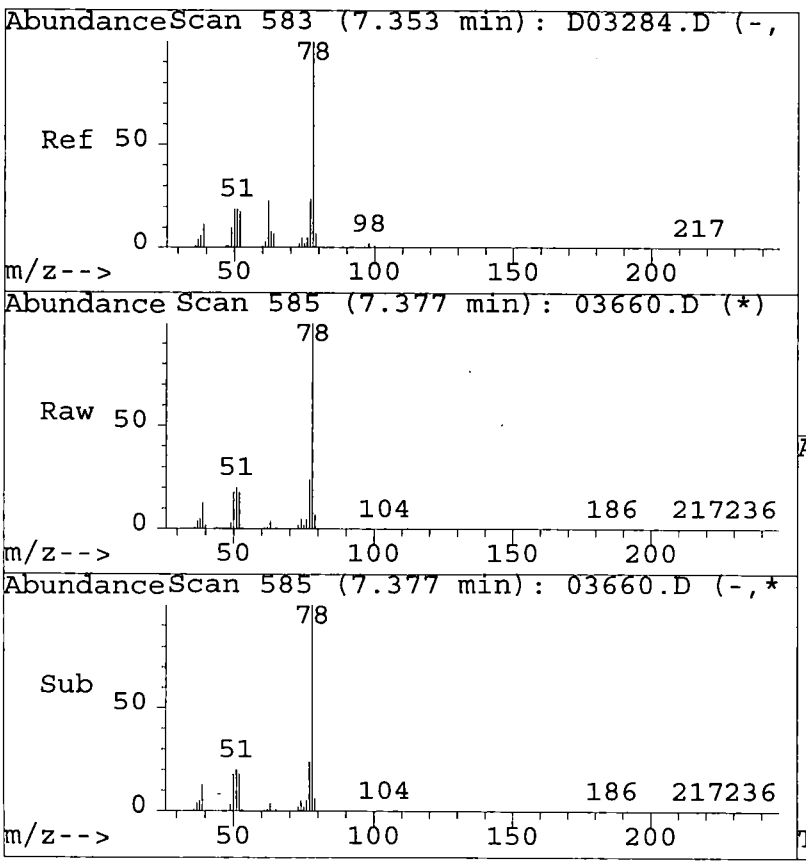


#23
cis-1,2-Dichloroethene
Concen: 3.39 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:61 Resp: 51283

Ion	Ratio	Lower	Upper
61	100		
96	62.9	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

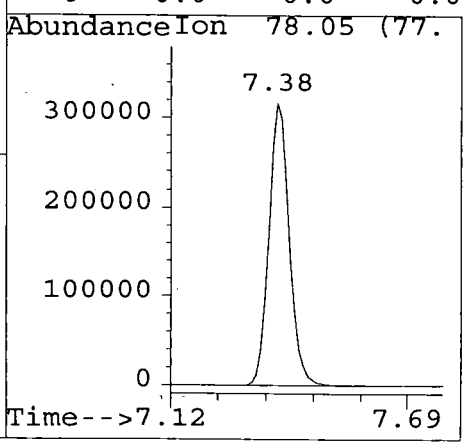


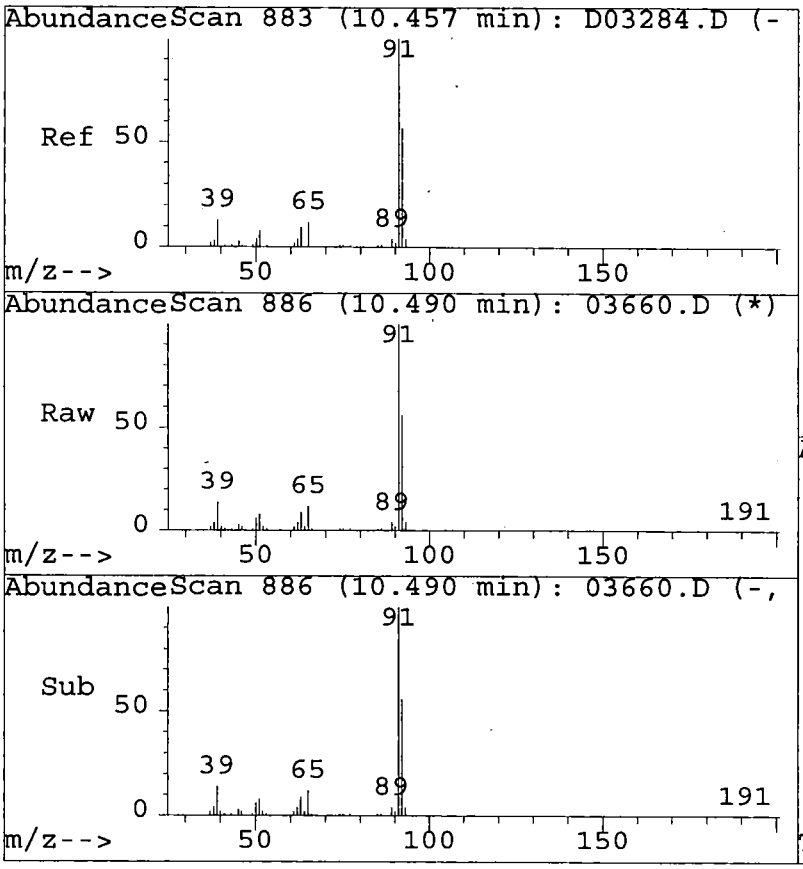


#38
Benzene
Concen: 28.18 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:78.05 Resp: 1084003

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

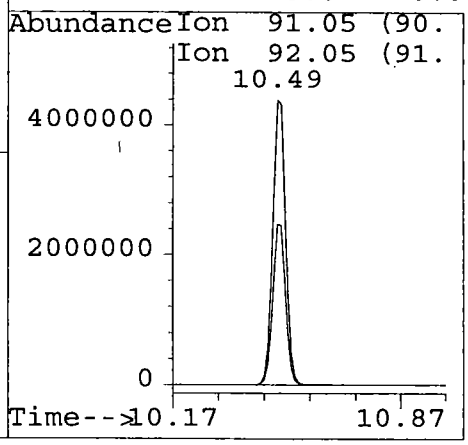


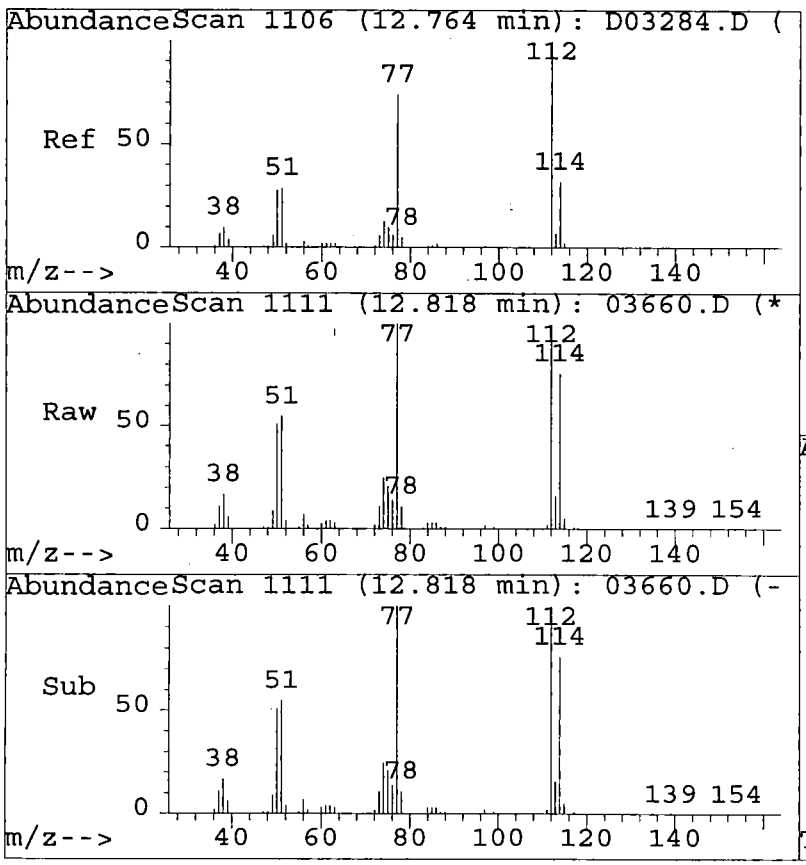


#48
Toluene
Concen: 299.46 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:91.05 Resp:11902407

Ion	Ratio	Lower	Upper
91	100		
92	56.7	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

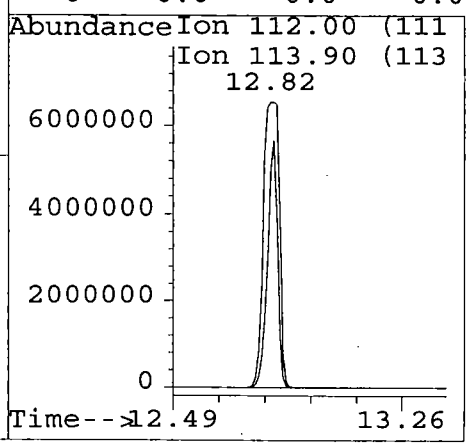


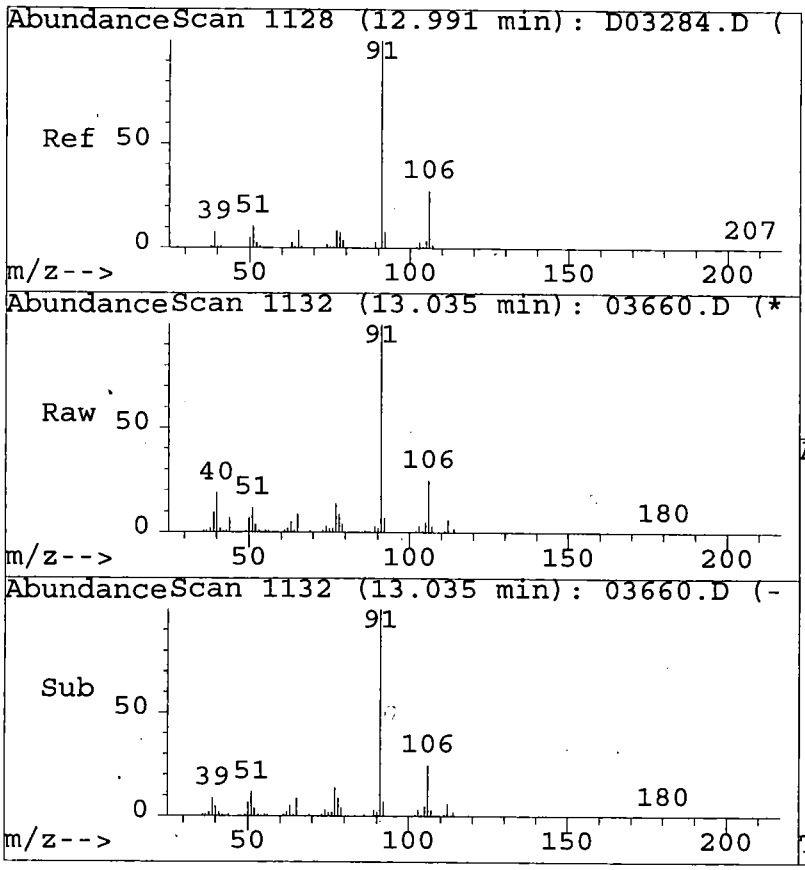


#59
Chlorobenzene
Concen: 1003.67 ug/L
RT: 12.82 min Scan# 1111
Delta R.T. 0.03 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:112 Resp:24686601

Ion	Ratio	Lower	Upper
112	100		
114	54.7	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

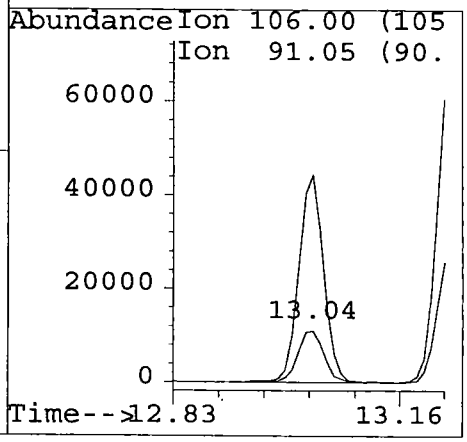


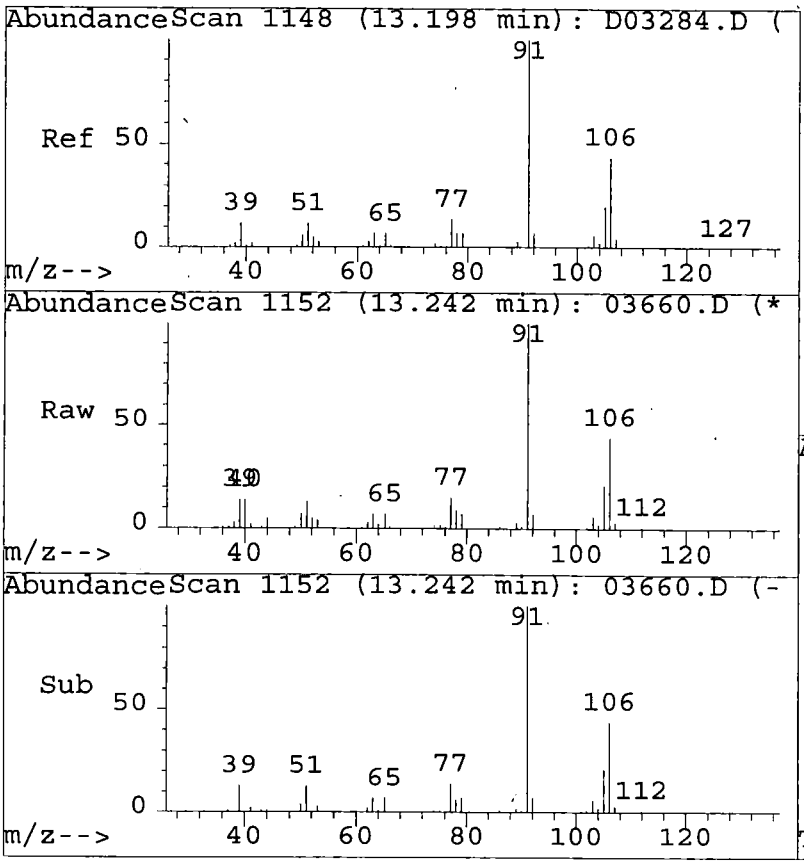


#61
Ethylbenzene
Concen: 2.25 ug/L
RT: 13.04 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:106 Resp: 29663

Ion	Ratio	Lower	Upper
106	100		
91	379.9	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

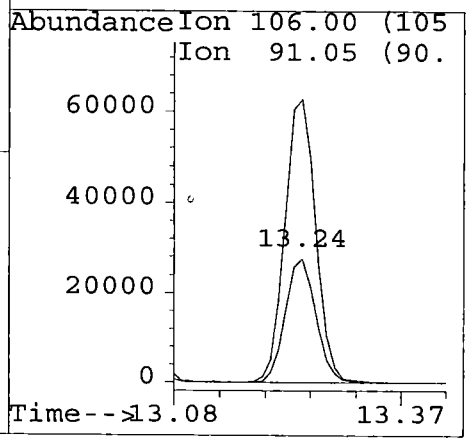


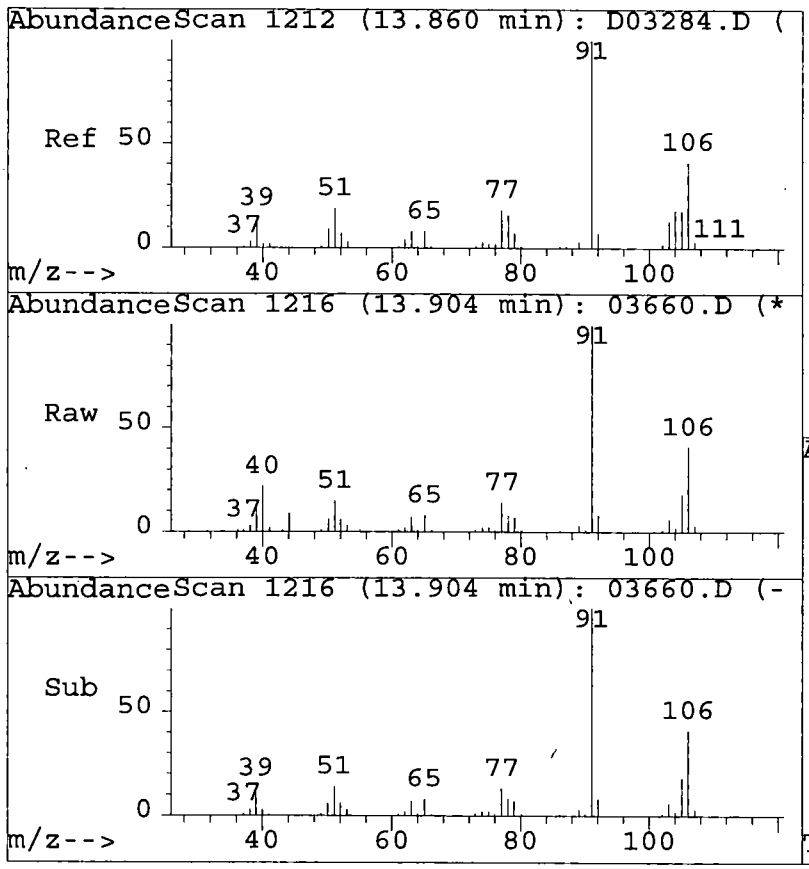


#62
Meta + Para Xylene
Concen: 4.19 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:106 Resp: 75437

Ion	Ratio	Lower	Upper
106	100		
91	229.5	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

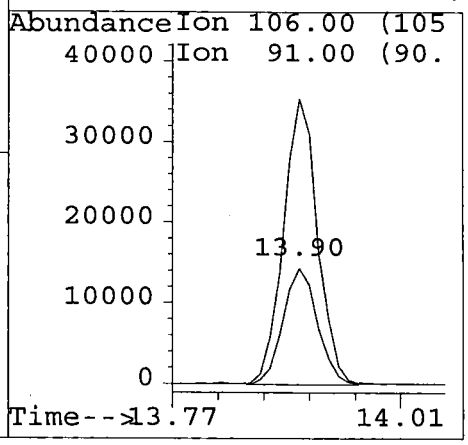




#63
Ortho Xylene
Concen: 2.19 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03660.d
Acq: 4 May 98 7:42 pm

Tgt Ion:106 Resp: 36400

Ion	Ratio	Lower	Upper
106	100		
91	242.6	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

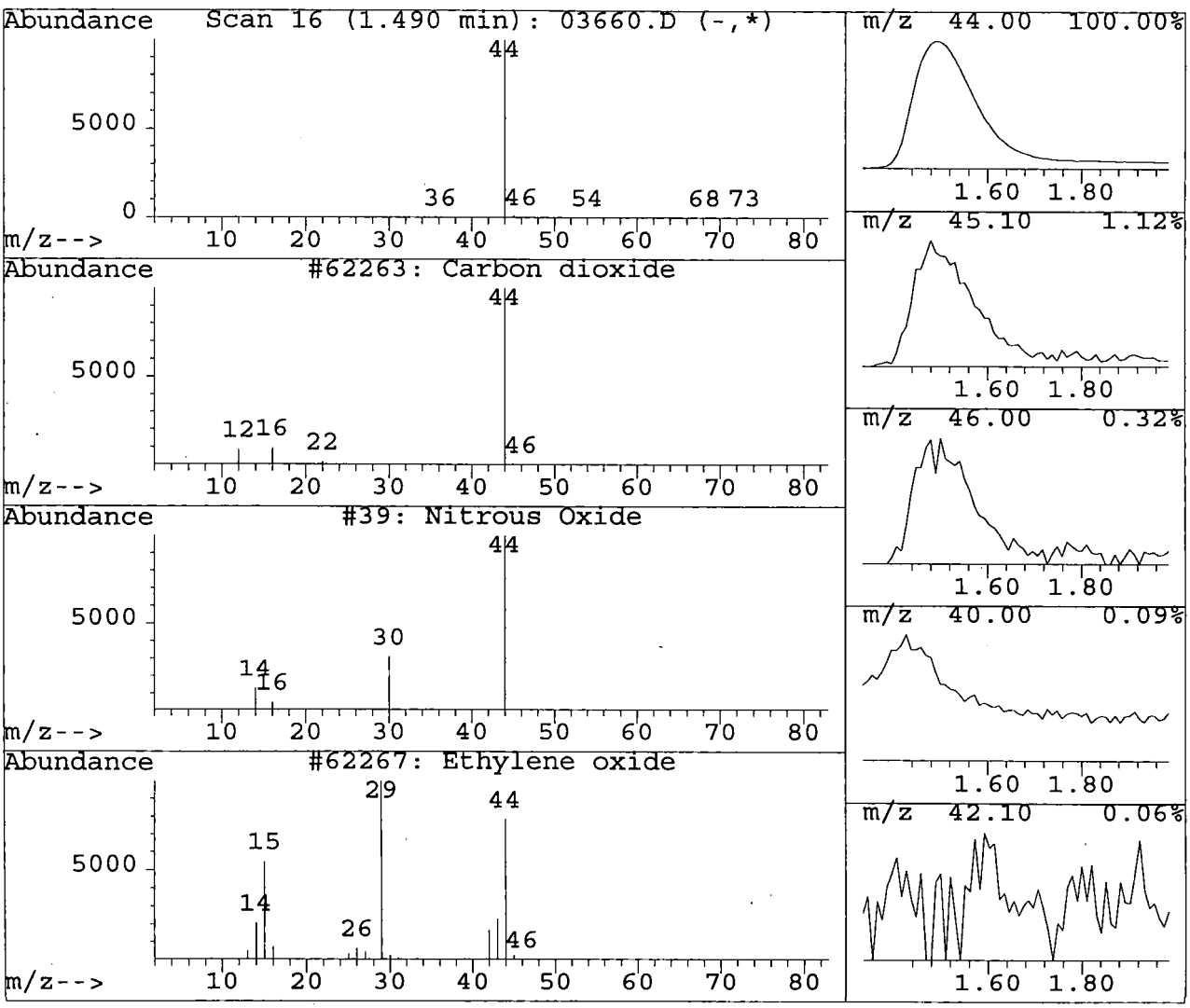
Data File : c:\hpchem\1\data\05_04_98\03660.d
Acq On : 4 May 98 7:42 pm
Sample : TLCEDW1*10
Misc :

Vial: 15
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.49	117.30 ug/L	4748504	Pentafluorobenzen	2024168	6.93

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	39	010024-97-2	3
3	Ethylene oxide	62267	000075-21-8	2
4	Acetaldehyde	62265	000075-07-0	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03661.d
Acq On : 4 May 98 8:12 pm
Sample : TLCEDW1*11
Misc :
Quant Time: May 12 15:50 1998

Vial: 16
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.94	168	621768	50.00 ug/L	0.02
30) 1,4-Difluorobenzene	8.05	114	1215364	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.80	117	1420970	50.00 ug/L	0.05
66) 1,4-Dichlorobenzene-d4	16.82	152	551679	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.29	65	558879	51.09 ug/L	102.18%
32) Dibromofluoromethane	6.79	113	382739	49.63 ug/L	99.27%
47) Toluene-d8	10.38	98	1612247	50.56 ug/L	101.12%
51) Bromofluorobenzene	14.79	95	663290	55.01 ug/L	110.01%
Target Compounds					Qvalue
11) Acetone	3.38	43	88401	35.17 ug/L	97
38) Benzene	7.38	78	137029	3.33 ug/L	100
48) Toluene	10.50	91	82460	1.94 ug/L	99
59) Chlorobenzene	12.82	112	40819527	* ~~1326.30~~ ug/L	17
61) Ethylbenzene	13.03	106	67440	4.09 ug/L	99
62) Meta + Para Xylene	13.24	106	47182	** 2.09 ug/L	95
63) Ortho Xylene	13.90	106	10431	0.50 ug/L	100

59) Chlorobenzene - 3811.97 ug/L reported from 20x d.l 03672.d

** Xylene (total) - 2.59 ug/L

05/13/98

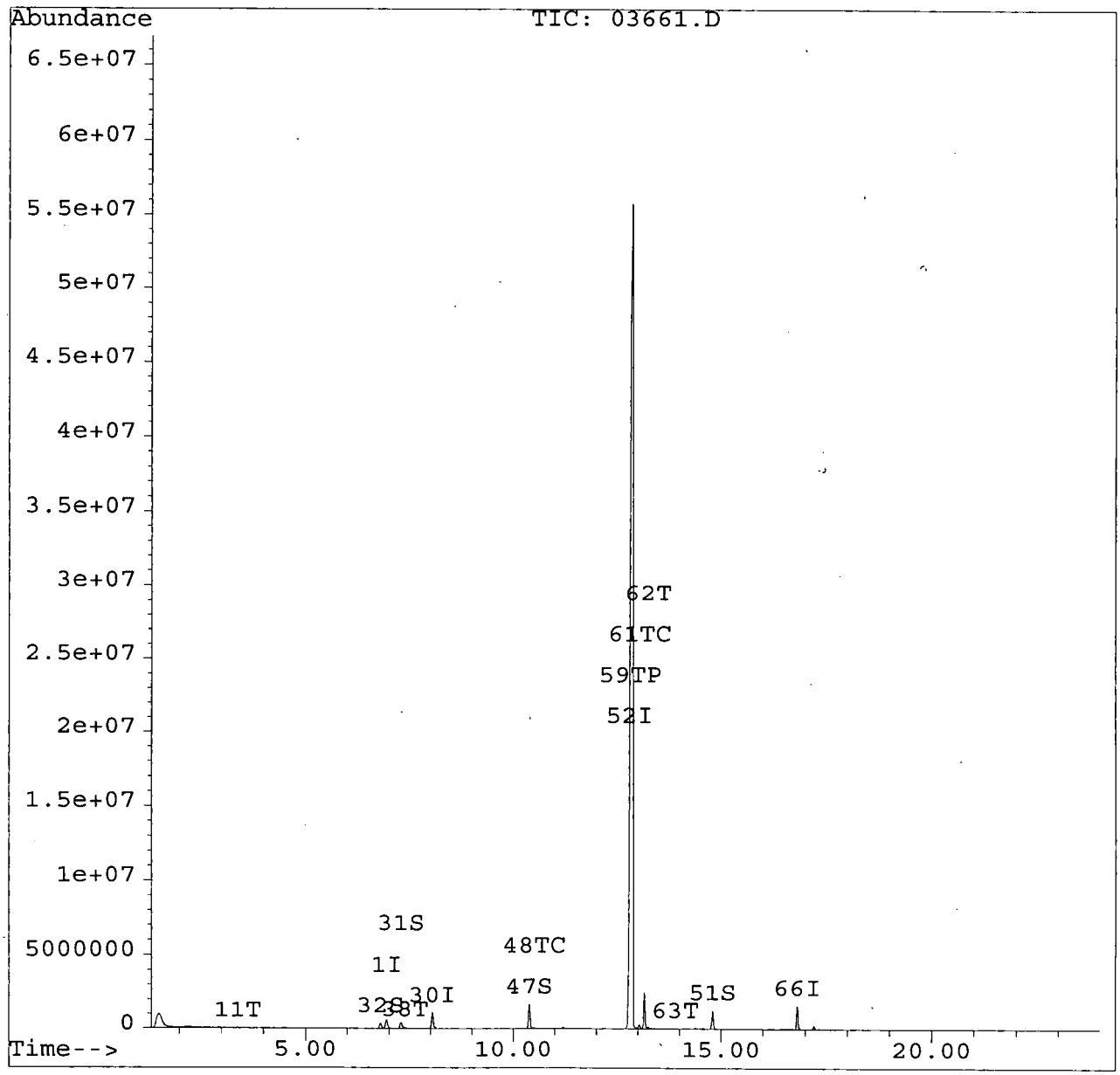
(#) = qualifier out of range (m) = manual integration
03661.d W8260ALL.M Tue May 12 16:05:29 1998 RP1 Page 1

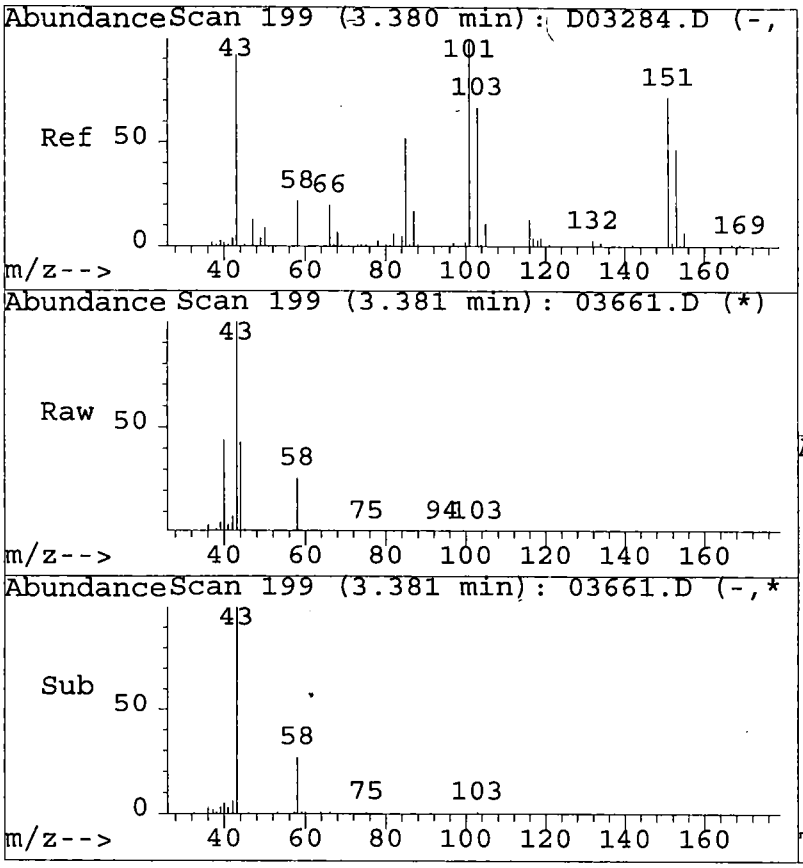
Quantitation Report

Data File : c:\hpchem\1\data\05_04_98\03661.d
Acq On : 4 May 98 8:12 pm
Sample : TLCEDW1*11
Misc :
Quant Time: May 12 15:50 1998

Vial: 16
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

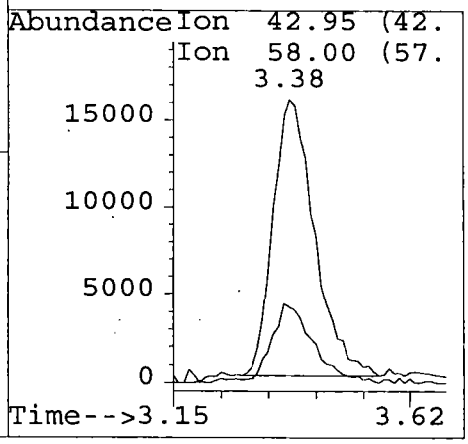


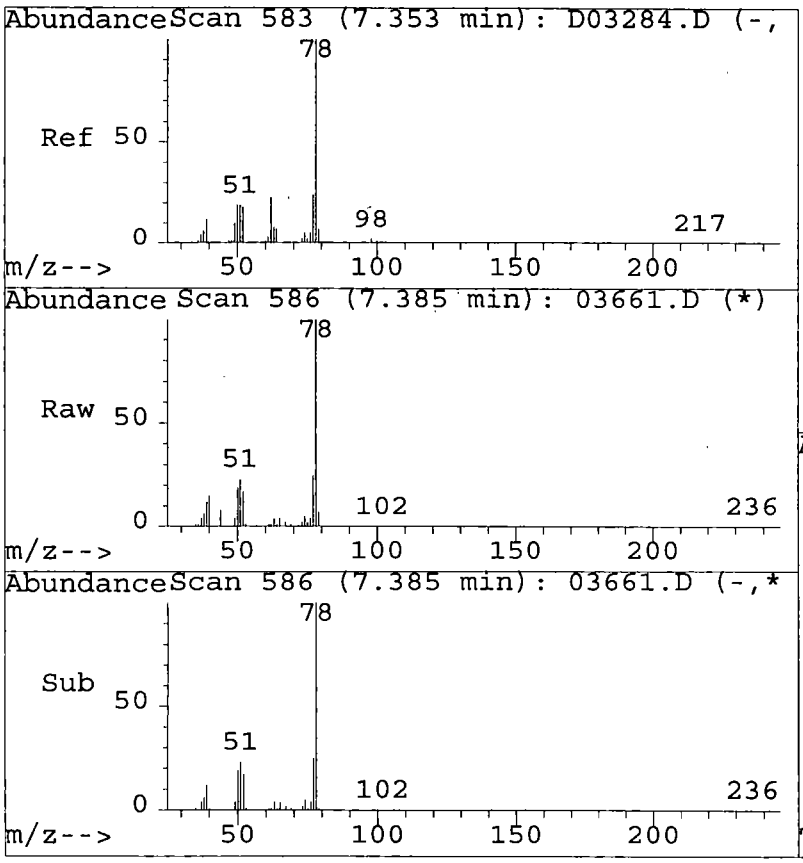


#11
Acetone
Concen: 35.17 ug/L
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: 03661.d
Acq: 4 May 98 8:12 pm

Tgt Ion:42.95 Resp: 88401

Ion	Ratio	Lower	Upper
43	100		
58	27.9	0.0	126.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

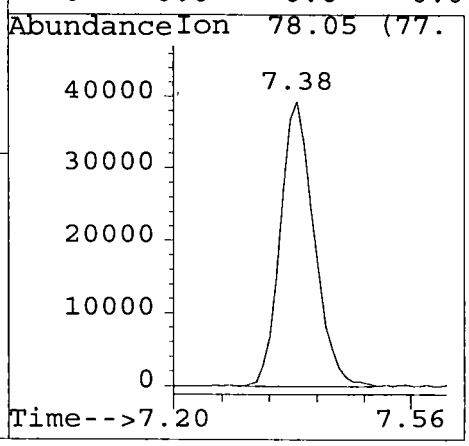


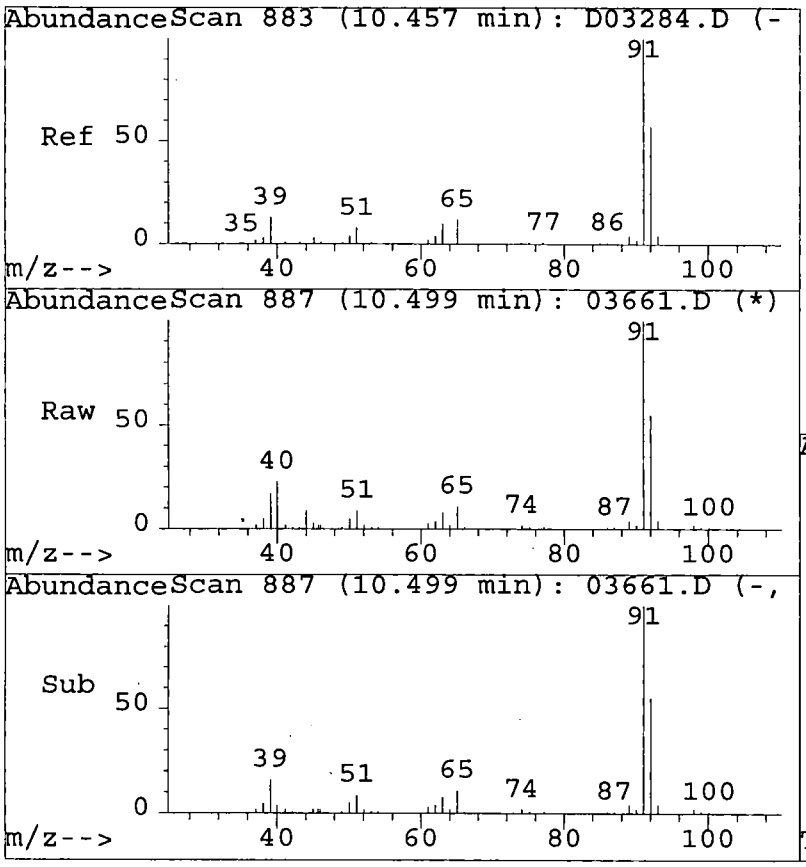


#38
Benzene
Concen: 3.33 ug/L
RT: 7.38 min Scan# 586
Delta R.T. 0.03 min
Lab File: 03661.d
Acq: 4 May 98 8:12 pm

Tgt Ion:78.05 Resp: 137029

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

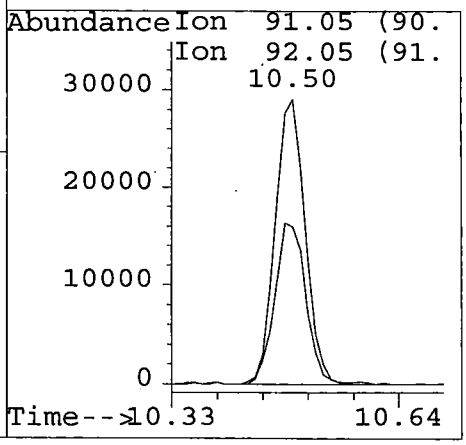


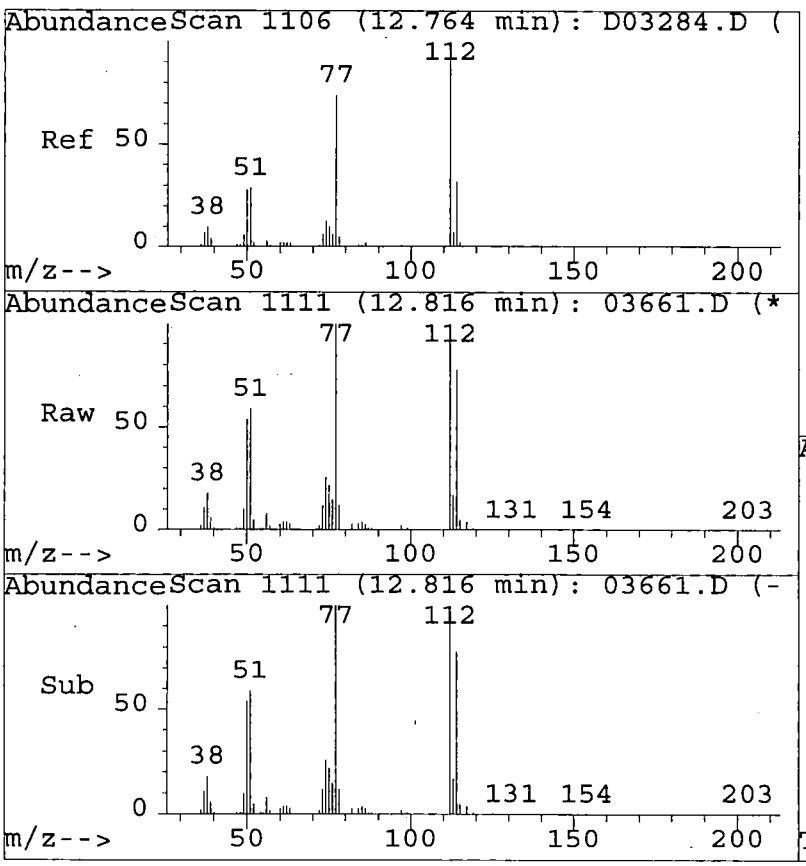


#48
Toluene
Concen: 1.94 ug/L
RT: 10.50 min Scan# 887
Delta R.T. 0.03 min
Lab File: 03661.d
Acq: 4 May 98 8:12 pm

Tgt Ion:91.05 Resp: 82460

Ion	Ratio	Lower	Upper
91	100		
92	58.0	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

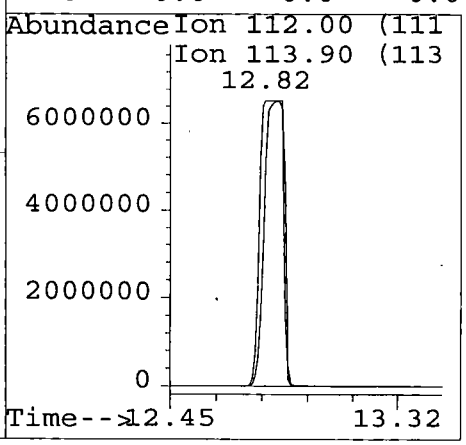


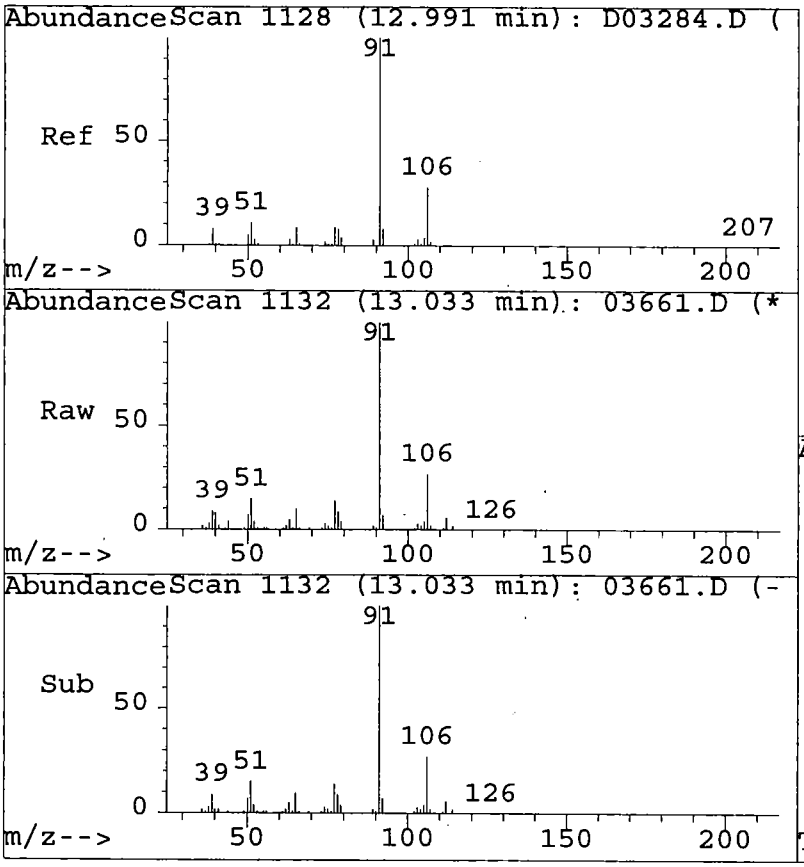


#59
Chlorobenzene
Concen: 1326.30 ug/L
RT: 12.82 min Scan# 1111
Delta R.T. 0.03 min
Lab File: 03661.d
Acq: 4 May 98 8:12 pm

Tgt Ion:112 Resp:40819527

Ion	Ratio	Lower	Upper
112	100		
114	77.6	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

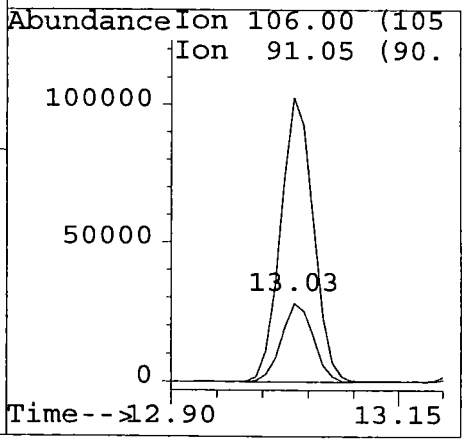


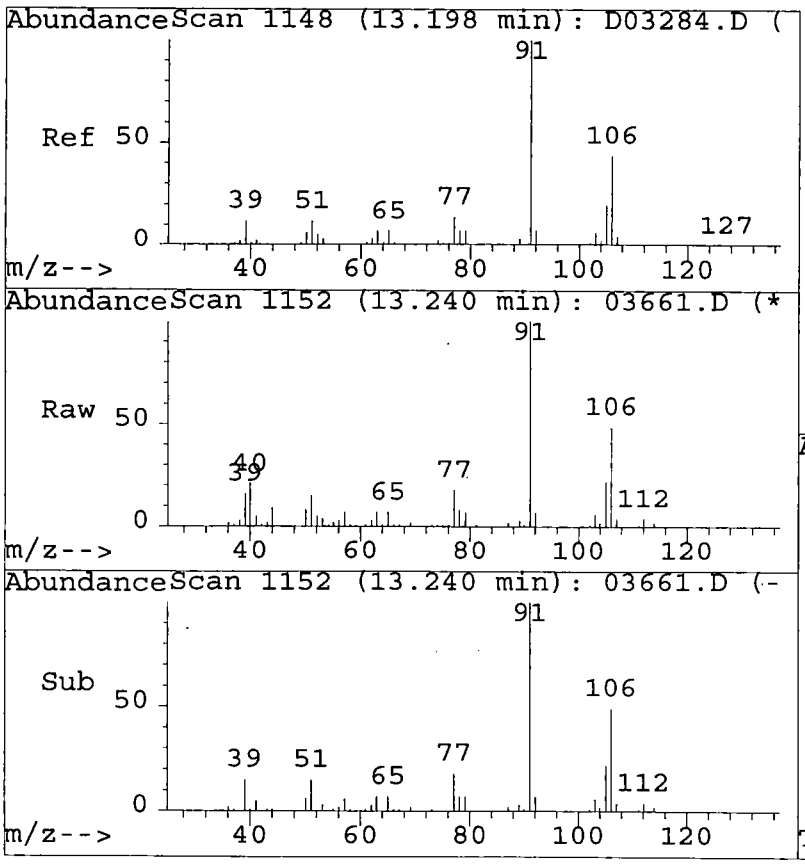


#61
Ethylbenzene
Concen: 4.09 ug/L
RT: 13.03 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03661.d
Acq: 4 May 98 8:12 pm

Tgt Ion:106 Resp: 67440

Ion	Ratio	Lower	Upper
106	100		
91	374.0	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

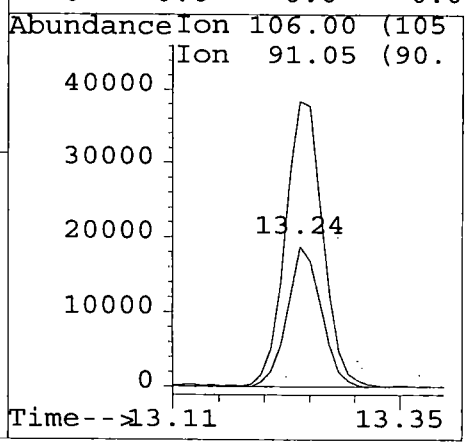




#62
Meta + Para Xylene
Concen: 2.09 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03661.d
Acq: 4 May 98 8:12 pm

Tgt Ion:106 Resp: 47182

Ion	Ratio	Lower	Upper
106	100		
91	224.4	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

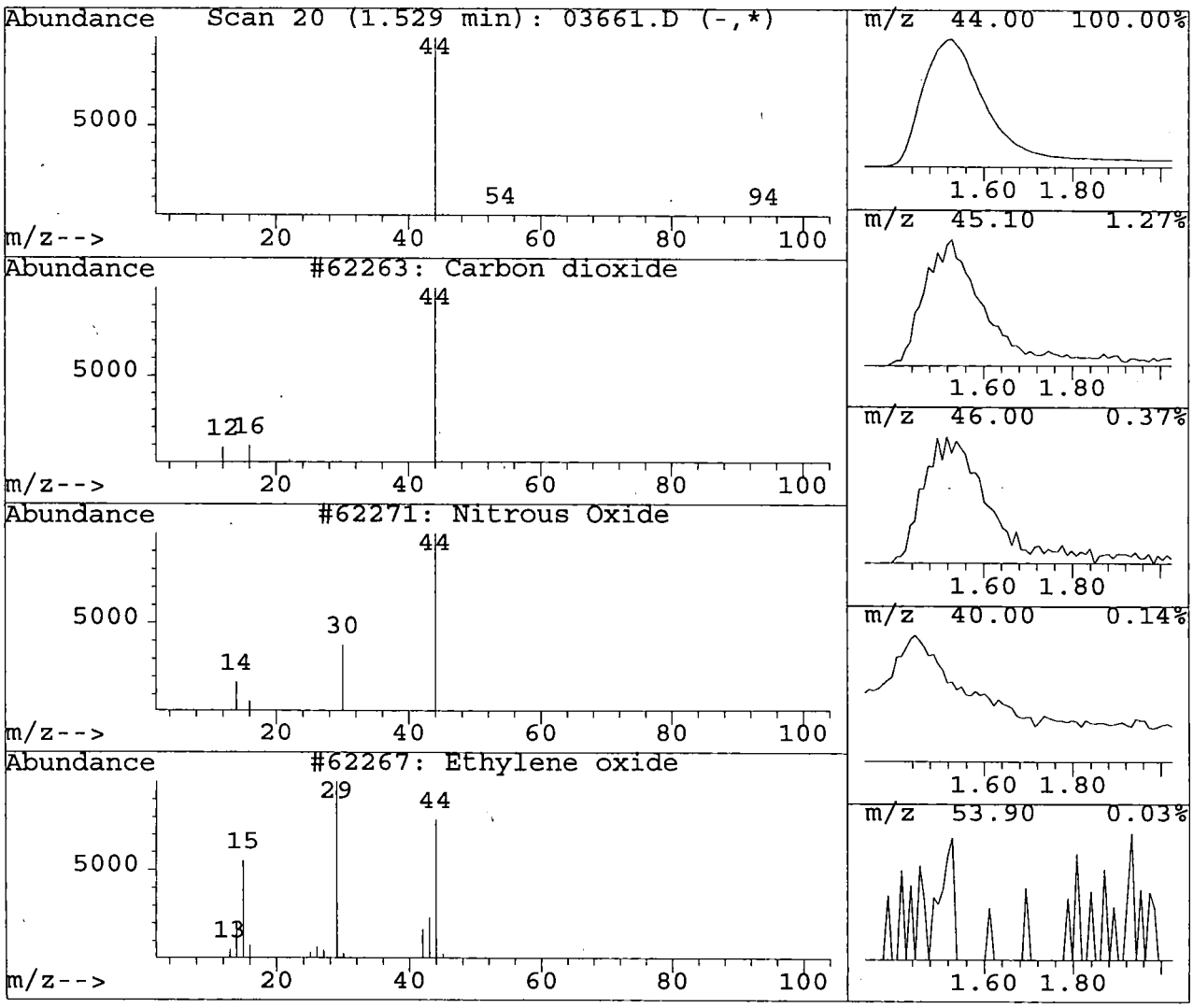
Data File : c:\hpchem\1\data\05_04_98\03661.d
Acq On : 4 May 98 8:12 pm
Sample : TLCEDW1*11
Misc :

Vial: 16
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_04_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

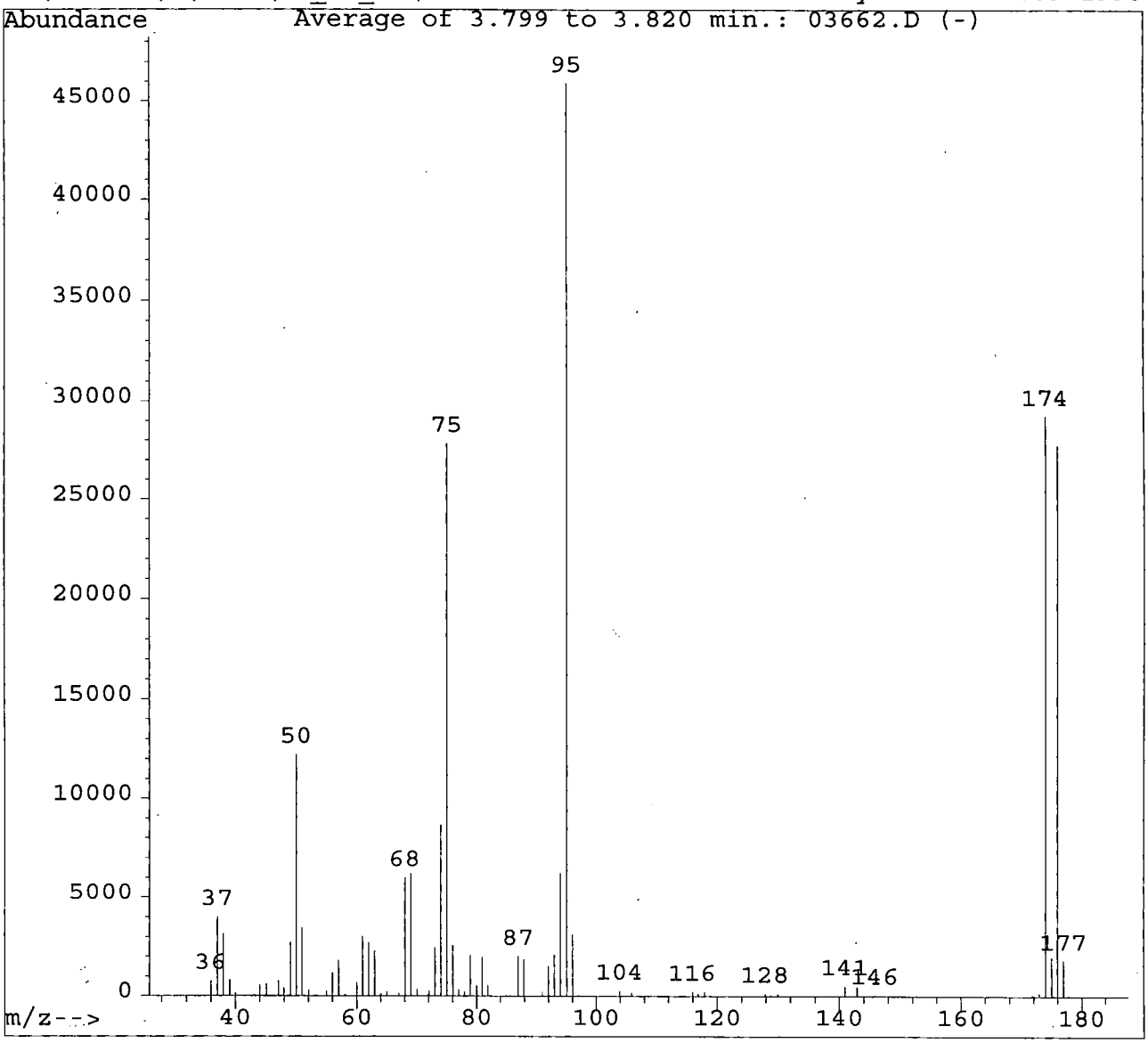
R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.53	148.83 ug/L	9791047	Pentafluorobenzen	3289281	6.94

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	62271	010024-97-2	3
3	Ethylene oxide	62267	000075-21-8	2
4	Acetaldehyde	62265	000075-07-0	2
5	Ethyne, fluoro-	35	002713-09-9	2



CLP 3/90 BFB TUNE CHECK Results

C:\HPCHEM\1\DATA\05_05_98\03662.D Tue May 05 13:41:39 1998



Peak Apex is scan: 171
Average of 3 scans: 170,171,172 minus background scan 162

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
50	95	8	40	26.6	PASS
75	95	30	66	60.7	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.8	PASS
173	174	0	2	0.6	PASS
174	95	50	120	63.7	PASS
175	174	4	9	6.8	PASS
176	174	93	101	94.8	PASS
177	176	5	9	6.5	PASS

Average of 3.799 to 3.820 min.: 03662.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	798	47.05	779	60.00	700	70.10	343
37.05	4015	47.95	410	61.00	3055	71.05	47
38.05	3179	49.05	2736	62.00	2711	71.85	101
39.10	855	50.00	12235	63.00	2305	72.10	263
40.00	160	50.95	3465	63.90	79	73.05	2476
41.05	57	52.05	303	64.05	139	74.05	8676
42.10	35	53.00	66	65.00	210	75.05	27869
43.10	92	55.00	257	66.25	42	76.05	2591
44.00	569	56.00	1193	67.05	149	77.00	345
45.05	638	57.00	1822	68.05	6007	77.95	228
45.80	44	58.05	104	69.05	6222	78.95	2065

Average of 3.799 to 3.820 min.: 03662.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.00	530	96.85	38	127.85	132	172.05	63
80.95	1971	97.05	49	128.80	82	172.90	186
81.85	529	103.90	283	129.95	130	173.95	29275
86.95	2018	105.90	198	136.80	34	175.00	1995
87.90	1860	106.85	36	140.20	37	175.95	27763
91.00	230	111.85	42	140.90	516	176.95	1808
92.00	1542	115.95	228	142.90	468	177.85	34
92.95	2097	116.80	117	145.80	67		
94.00	6221	116.95	147	148.00	52		
95.05	45939	117.90	225	154.90	34		
96.00	3144	118.90	48	171.80	88		

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\05_05_98\03663.D Vial: 9
Acq On : 5 May 98 2:07 pm Operator:
Sample : VSTD50 Inst : VOA8
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	107	0.00
2	T	Dichlorodifluoromethane	0.756	0.932	-23.3	245#	-0.01
3	TP	Chloromethane	0.988	0.978	1.0	109	-0.01
4	TC	Vinyl Chloride	0.906	0.887	2.1	118	-0.02
5	T	Bromomethane	1.109	0.762	31.3#	70	-0.01
6	T	Chloroethane	0.653	0.603	7.7	85	-0.01
7	T	Trichlorofluoromethane	1.046	0.989	5.4	152#	-0.01
8	TC	1,1-Dichloroethene	0.582	0.525	9.8	110	-0.01
9	T	Acrolein	0.123	0.092	25.2#	88	-0.02
10	T	Iodomethane	0.710	0.360	49.3#	50	-0.01
11	T	Acetone	0.293	0.207	29.6#	106	-0.02
12	T	Carbon Disulfide	2.420	2.202	9.0	104	-0.01
13	T	Acetonitrile	0.241	0.210	12.8	97	-0.01
14	T	3-Chloropropene	0.449	0.376	16.2	92	-0.02
15	T	112-Trichl-122-Trifl-Ethane	0.563	0.000	100.0#	0#	-3.32#
16	T	Methylene Chloride	0.818	0.666	18.7	87	-0.02
17	T	Acrylonitrile	0.210	0.202	4.0	114	-0.01
18	T	trans-1,2-Dichloroethene	0.655	0.590	10.0	102	0.00
19	TP	1,1-Dichloroethane	1.352	1.193	11.8	95	-0.01
20	T	Chloroprene	1.319	1.258	4.6	109	-0.01
21	T	Vinyl Acetate	1.157	1.481	-28.0#	132	-0.01
22	T	2,2-Dichloropropane	1.104	1.053	4.7	106	0.00
23	T	cis-1,2-Dichloroethene	1.312	1.173	10.6	97	0.00
24	T	2-Butanone	0.069	0.065	5.5	113	0.00
25	T	Propionitrile	0.081	0.076	5.2	114	-0.01
26	T	Bromochloromethane	0.346	0.297	14.0	94	0.00
27	T	Methacrylonitrile	0.521	0.499	4.3	109	0.00
28	TC	Chloroform	1.413	1.188	15.9	94	0.00
29	T	1,1,1-Trichloroethane	1.012	0.950	6.1	108	0.00
30	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
31	S	1,2-Dichloroethane-d4	0.450	0.436	3.0	102	0.00
32	S	Dibromofluoromethane	0.317	0.299	5.6	100	0.00
33	T	Isobutanol	0.012	0.013	-7.0	120	0.00
34	T	1,4-Dioxane	0.003	0.003	3.8	113	0.00
35	T	1,2-Dichloroethane	0.591	0.582	1.5	100	0.00
36	T	Carbon Tetrachloride	0.412	0.419	-1.7	119	0.00
37	T	1,1-Dichloropropene	0.584	0.578	0.9	111	0.00
38	T	Benzene	1.693	1.634	3.5	96	0.00
39	T	Trichloroethene	0.333	0.302	9.4	98	0.00
40	T	Dibromomethane	0.216	0.203	6.2	100	0.00
41	TC	1,2-Dichloropropane	0.438	0.418	4.4	99	0.00
42	T	Methyl Methacrylate	0.213	0.216	-1.5	110	0.00
43	T	Bromodichloromethane	0.514	0.481	6.5	97	0.00
44	T	2-Chloroethyl-vinyl-ether	0.002	0.002	5.3	102	0.00
45	T	cis-1,3-Dichloropropene	0.624	0.590	5.6	99	0.00

46	T	4-Methyl-2-pentanone	0.322	0.316	1.9	110	0.00
47	S	Toluene-d8	1.312	1.283	2.2	100	0.00
48	TC	Toluene	1.750	1.648	5.8#	95	0.00
49	T	trans-1,3-Dichloropropene	0.538	0.513	4.7	99	0.00
50	T	1,1,2-Trichloroethane	0.278	0.263	5.4	104	0.00
51	S	Bromofluorobenzene	0.496	0.491	1.0	103	0.02
52	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
53	T	Dibromoethane	0.293	0.287	1.9	105	0.00
54	T	Ethyl Methacrylate	0.506	0.490	3.1	105	0.00
55	T	Tetrachloroethene	0.347	0.281	19.1	101	0.00
56	T	1,3-Dichloropropane	0.662	0.636	3.9	102	0.00
57	T	2-Hexanone	0.241	0.241	-0.0	112	0.00
58	T	Dibromochloromethane	0.334	0.319	4.3	101	0.00
59	TP	Chlorobenzene	1.083	1.063	1.9	99	0.00
60	T	1,1,1,2-Tetrachloroethane	0.328	0.305	7.1	98	0.00
61	TC	Ethylbenzene	0.580	0.572	1.2	99	0.00
62	T	Meta + Para Xylene	0.793	0.751	5.3	98	0.00
63	T	Ortho Xylene	0.731	0.700	4.2	97	0.00
64	T	Xylene (total)	0.773	0.735	4.9	97	0.00
65	T	Styrene	1.374	1.315	4.3	96	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
67	TP	Bromoform	0.359	0.345	3.8	107	0.02
68	T	Isopropylbenzene	3.639	3.609	0.8	102	0.00
69	T	Bromobenzene	0.765	0.729	4.6	99	0.00
70	TP	1,1,2,2-Tetrachloroethane	0.708	0.716	-1.1	109	0.00
71	T	1,2,3-Trichloropropane	0.198	0.191	3.4	107	0.00
72	T	trans-1,4-dichloro-2-buten	0.262	0.246	6.1	100	0.02
73	T	n-Propylbenzene	4.873	4.940	-1.4	104	0.00
74	T	2-Chlorotoluene	2.847	2.828	0.7	99	0.00
75	T	4-Chlorotoluene	3.359	3.277	2.4	99	0.00
76	T	1,3,5-Trimethylbenzene	3.119	3.087	1.0	100	0.00
77	T	tert-Butylbenzene	2.599	2.670	-2.7	104	0.00
78	T	Pentachloroethane	0.288	0.318	-10.4	90	0.00
79	T	1,2,4-Trimethylbenzene	3.089	3.097	-0.3	101	0.00
80	T	sec-Butylbenzene	3.952	4.145	-4.9	112	0.00
81	T	1,3-Dichlorobenzene	1.512	1.442	4.6	99	0.00
82	T	p-Isopropyltoluene	3.372	3.335	1.1	106	0.00
83	T	1,4-Dichlorobenzene	1.743	1.628	6.6	97	0.02
84	T	1,2-Dichlorobenzene	1.341	1.304	2.8	101	0.00
85	T	n-Butylbenzene	3.585	3.844	-7.2	112	0.00
86	T	DBCP	0.127	0.131	-2.7	120	0.00
87	T	1,2,4-Trichlorobenzene	0.764	0.788	-3.2	111	0.00
88	T	Hexachlorobutadiene	0.317	0.372	-17.4	136	0.00
89	T	Naphthalene	1.719	1.791	-4.2	114	0.00
90	T	1,2,3-Trichlorobenzene	0.673	0.698	-3.8	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1
03554.D W8260ALL.M Wed May 13 13:17:23 1998 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_05_98\03663.D
Acq On : 5 May 98 2:07 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:16 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	712418	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1286996	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	1119652	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	593098	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.27	575	561659	48.48 ug/L	96.97%
32) Dibromofluoromethane	6.78	527	385370	47.19 ug/L	94.39%
47) Toluene-d8	10.38	875	1651369	48.91 ug/L	97.81%
51) Bromofluorobenzene	14.79	1302	631966	49.49 ug/L	98.98%
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.62	29	664305	65.63 ug/L	99
3) Chloromethane	1.80	46	696930	49.50 ug/L	100
4) Vinyl Chloride	1.90	56	631619	48.93 ug/L	100
5) Bromomethane	2.22	87	542952	46.13 ug/L	97
6) Chloroethane	2.34	98	429899	64.07 ug/L	99
7) Trichlorofluoromethane	2.64	127	704710	45.14 ug/L	98
8) 1,1-Dichloroethene	3.27	188	374135	45.11 ug/L	99
9) Acrolein	3.15	176	65594	37.39 ug/L	97
10) Iodomethane	3.46	206	256589	25.36 ug/L	99
11) Acetone	3.34	195	147166	51.11 ug/L	98
12) Carbon Disulfide	3.53	213	1568545	45.49 ug/L	99
13) Acetonitrile	3.77	236	1495651	435.97 ug/L	100
14) 3-Chloropropene	3.78	237	267995	41.88 ug/L	100
16) Methylene Chloride	3.95	254	474234	40.67 ug/L	97
17) Acrylonitrile	4.33	291	143774	47.98 ug/L	98
18) trans-1,2-Dichloroethene	4.41	298	420262	45.01 ug/L	99
19) 1,1-Dichloroethane	5.06	361	850138	44.12 ug/L	99
20) Chloroprene	5.21	376	896242	47.68 ug/L	99
21) Vinyl Acetate	5.20	375	1054982	56.50 ug/L	99
22) 2,2-Dichloropropane	5.98	450	749996	47.67 ug/L	99
23) cis-1,2-Dichloroethene	5.99	451	835989	44.70 ug/L	100
24) 2-Butanone	6.04	456	46234	47.27 ug/L	95
25) Propionitrile	6.09	461	544903	474.21 ug/L	98
26) Bromochloromethane	6.36	487	211816	43.00 ug/L	96
27) Methacrylonitrile	6.35	486	3552840	478.35 ug/L	99
28) Chloroform	6.53	503	846510	42.06 ug/L	100
29) 1,1,1-Trichloroethane	6.78	527	676914	46.95 ug/L	98
34) 1,4-Dioxane	9.01	743	65869	962.30 ug/L	95
35) 1,2-Dichloroethane	7.39	586	749267	49.26 ug/L	100
36) Carbon Tetrachloride	7.05	553	538906	50.85 ug/L	99
37) 1,1-Dichloropropene	7.06	554	744478	49.56 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_05_98\03663.D
Acq On : 5 May 98 2:07 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:16 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
38)	Benzene	7.37	584	2103534	48.26	ug/L		100
39)	Trichloroethene	8.42	686	388915	45.31	ug/L		99
40)	Dibromomethane	8.92	734	261267	46.91	ug/L		99
41)	1,2-Dichloropropane	8.74	717	538343	47.80	ug/L		99
42)	Methyl Methacrylate	9.03	745	277802	50.73	ug/L		98
43)	Bromodichloromethane	9.22	763	618466	46.76	ug/L		100
45)	cis-1,3-Dichloropropene	9.94	833	758750	47.22	ug/L		100
46)	4-Methyl-2-pentanone	10.23	861	406775	49.04	ug/L		99
48)	Toluene	10.48	885	2121368	47.11	ug/L		100
49)	trans-1,3-Dichloropropene	10.87	923	660485	47.67	ug/L		100
50)	1,1,2-Trichloroethane	11.15	950	338801	47.31	ug/L		91
53)	Dibromoethane	11.93	1025	321821	49.04	ug/L		100
55)	Tetrachloroethene	11.38	972	314474	40.47	ug/L		97
56)	1,3-Dichloropropane	11.41	975	712596	48.04	ug/L		98
57)	2-Hexanone	11.62	995	269569	50.01	ug/L		100
58)	Dibromochloromethane	11.78	1011	357655	47.83	ug/L		99
59)	Chlorobenzene	12.80	1109	1189784	49.06	ug/L		99
60)	1,1,1,2-Tetrachloroethane	12.95	1124	341314	46.46	ug/L		99
61)	Ethylbenzene	13.02	1131	640921	49.39	ug/L		99
62)	Meta + Para Xylene	13.23	1151	1682681	94.71	ug/L		100
63)	Ortho Xylene	13.90	1216	783215	47.88	ug/L		98
64)	Xylene (total)	13.23	1151	2469078	142.63	ug/L	m	99
65)	Styrene	13.92	1218	1472125	47.86	ug/L		99
67)	Bromoform	14.19	1244	204599	48.09	ug/L		99
68)	Isopropylbenzene	14.56	1279	2140698	49.60	ug/L		99
69)	Bromobenzene	15.01	1323	432656	47.68	ug/L		100
70)	1,1,2,2-Tetrachloroethane	15.08	1330	424535	50.57	ug/L		99
71)	1,2,3-Trichloropropane	15.11	1333	113549	48.30	ug/L		99
72)	trans-1,4-dichloro-2-buten	15.19	1340	146051	46.94	ug/L		99
73)	n-Propylbenzene	15.28	1349	2929623	50.68	ug/L		100
74)	2-Chlorotoluene	15.38	1359	1677341	49.67	ug/L		100
75)	4-Chlorotoluene	15.58	1378	1943836	48.78	ug/L		100
76)	1,3,5-Trimethylbenzene	15.61	1381	1831041	49.48	ug/L		99
77)	tert-Butylbenzene	16.17	1435	1583835	51.36	ug/L		97
78)	Pentachloroethane	16.16	1434	188824	45.63	ug/L		99
79)	1,2,4-Trimethylbenzene	16.25	1443	1836581	50.13	ug/L		98
80)	sec-Butylbenzene	16.56	1473	2458552	52.45	ug/L		100
81)	1,3-Dichlorobenzene	16.70	1486	854973	47.68	ug/L		99
82)	p-Isopropyltoluene	16.84	1500	1977984	49.46	ug/L		99
83)	1,4-Dichlorobenzene	16.86	1502	965653	46.70	ug/L		100
84)	1,2-Dichlorobenzene	17.49	1563	773282	48.62	ug/L		99
85)	n-Butylbenzene	17.57	1570	2279809	53.61	ug/L		100
86)	DBCP	18.88	1697	77593	51.33	ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_05_98\03663.D
Acq On : 5 May 98 2:07 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:16 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
87) 1,2,4-Trichlorobenzene	20.40	1844	467486	51.58 ug/L	99
88) Hexachlorobutadiene	20.77	1880	220882	58.69 ug/L	100
89) Naphthalene	20.80	1883	1062204	52.10 ug/L	100
90) 1,2,3-Trichlorobenzene	21.26	1927	414218	51.91 ug/L	99

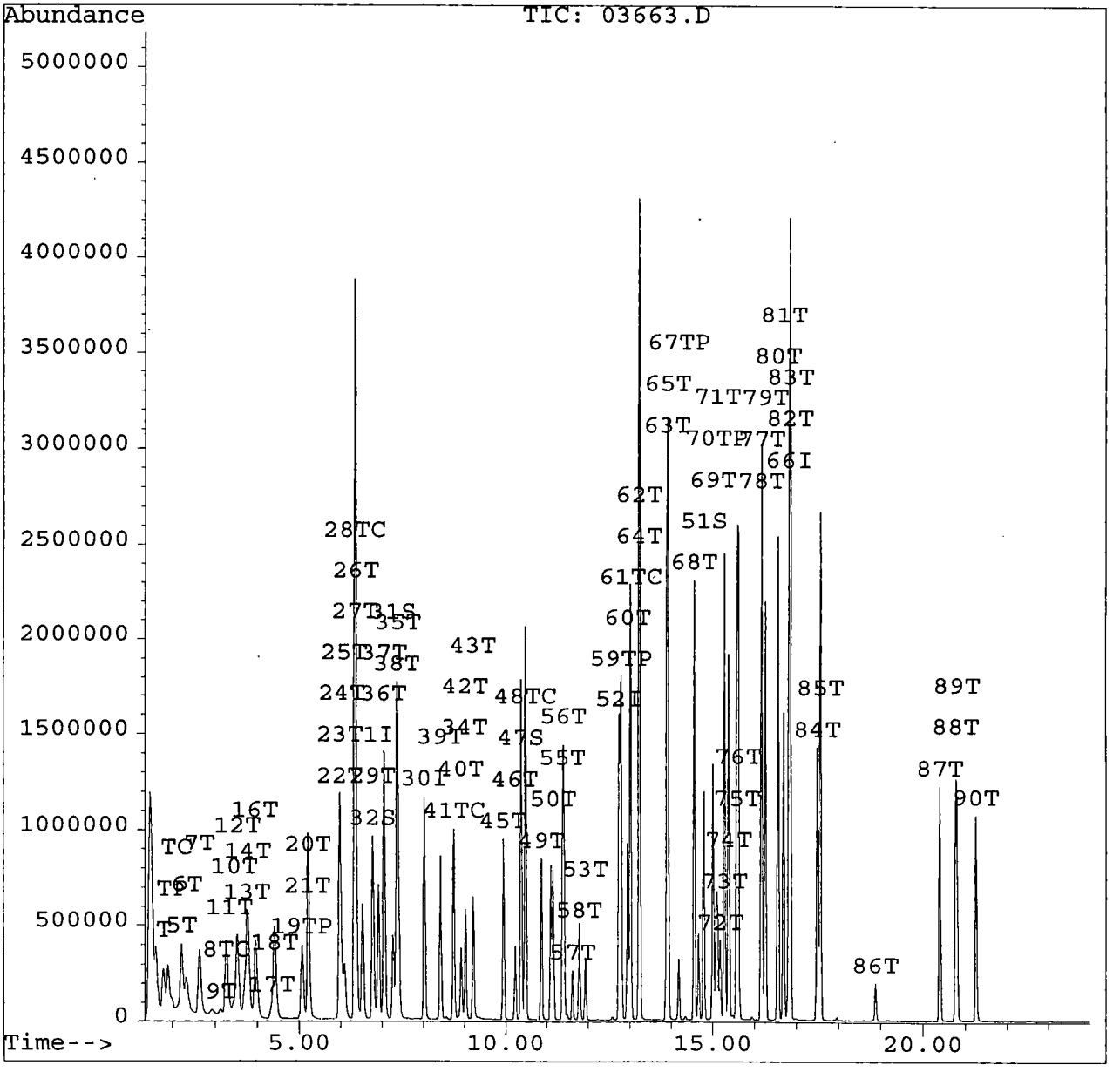
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_05_98\03663.D
Acq On : 5 May 98 2:07 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:16 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

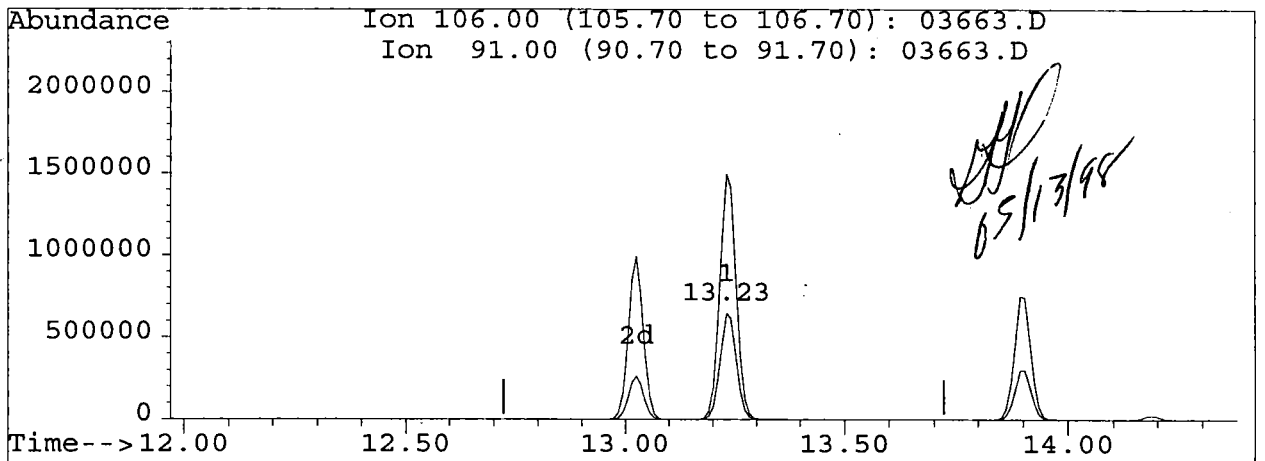


Quantitation Report

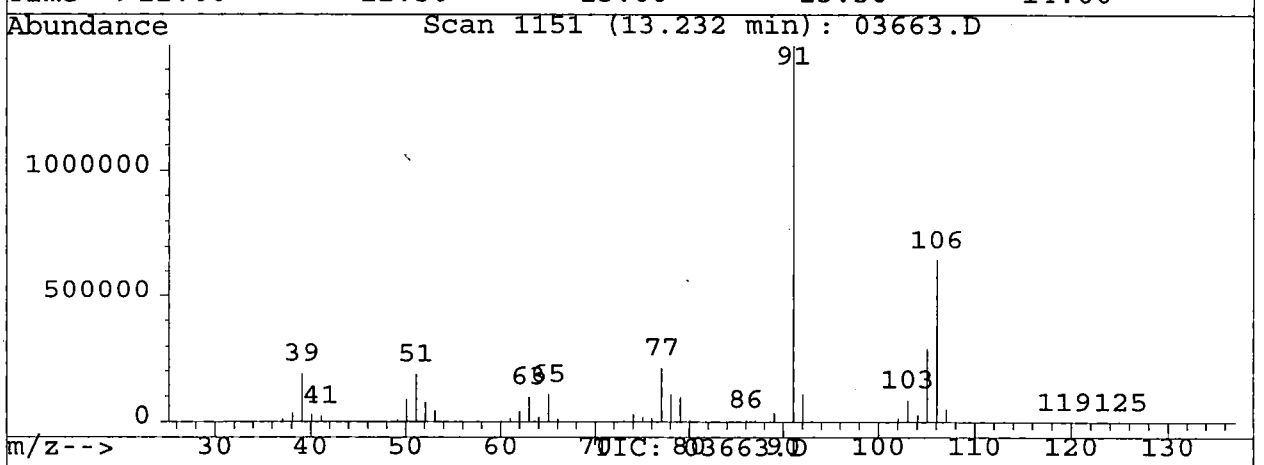
Data File : C:\HPCHEM\1\DATA\05_05_98\03663.D
Acq On : 5 May 98 2:07 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:16 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



05/13/98



(64) Xylene (total) (T)
13.23min 142.63ug/L m
response 2469078

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	231.69
0.00	0.00	0.00
0.00	0.00	0.00

03663.D W8260ALL.M Wed May 13 13:16:42 1998 RP1

Quantitation Report

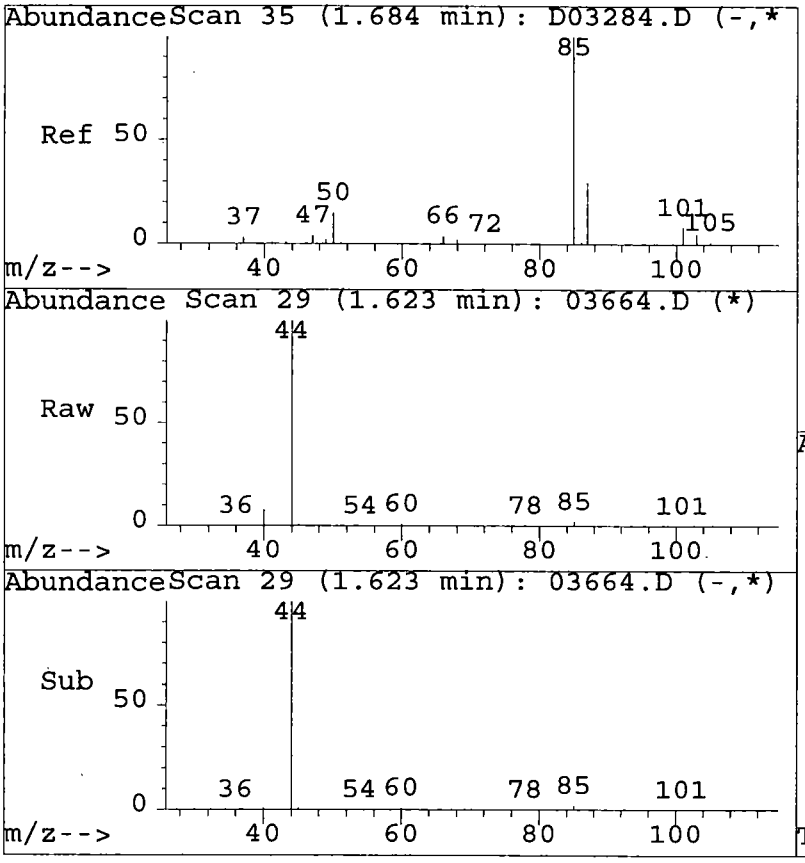
Data File : c:\hpchem\1\data\05_05_98\03664.d
Acq On : 5 May 98 2:53 pm
Sample : MB*NONE*1
Misc :
Quant Time: May 6 11:40 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min
1) Pentafluorobenzene	6.92	541	736269	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	1396042	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.75	1105	1196270	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	545687	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	581103	46.25 ug/L	92.49
32) Dibromofluoromethane	6.79	528	393220	44.39 ug/L	88.79
47) Toluene-d8	10.38	875	1751242	47.81 ug/L	95.63
51) Bromofluorobenzene	14.79	1302	630274	45.50 ug/L	91.01
Target Compounds					**Qvalue**
2) Dichlorodifluoromethane	1.62	29	8008	0.77 ug/L	96
11) Acetone	3.37	198	14463	4.86 ug/L	94
16) Methylene Chloride	3.98	257	18464	1.53 ug/L	97
89) Naphthalene	20.80	1883	11580	0.62 ug/L	100

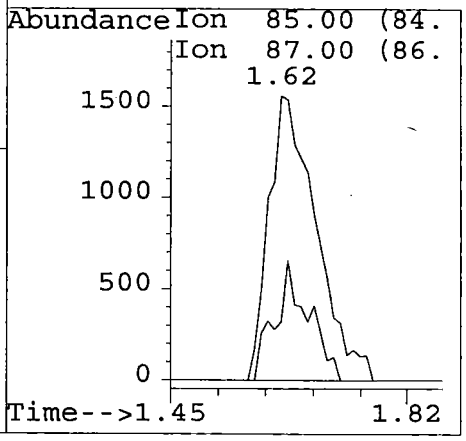
(#) = qualifier out of range (m) = manual integration

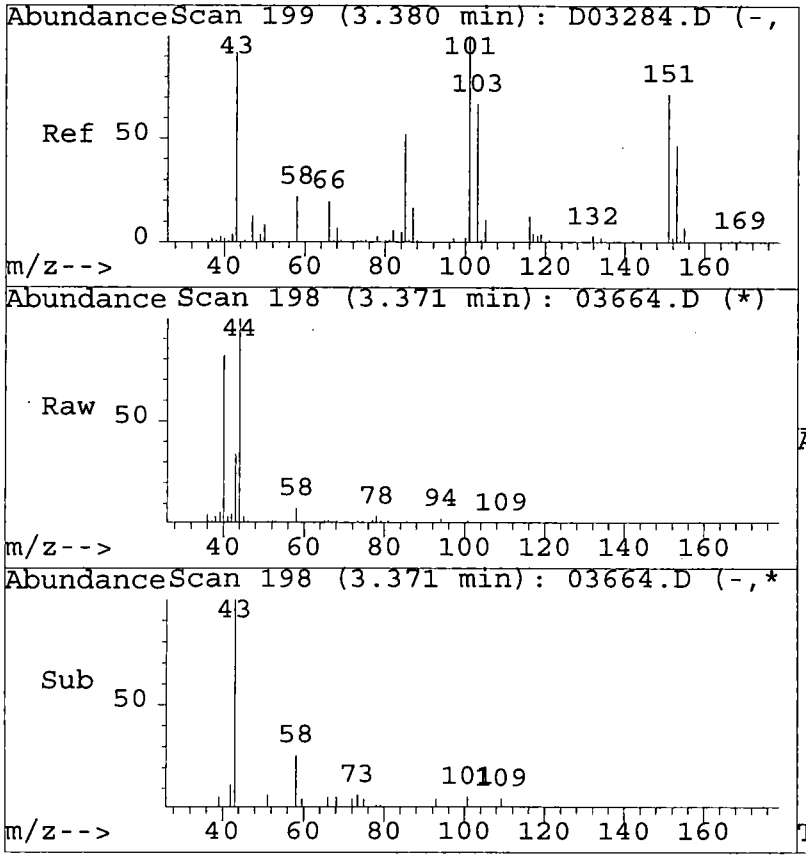


#2
Dichlorodifluoromethane
Concen: 0.77 ug/L
RT: 1.62 min Scan# 29
Delta R.T. -0.01 min
Lab File: 03664.d
Acq: 5 May 98 2:53 pm

Tgt Ion:85 Resp: 8008

Ion	Ratio	Lower	Upper
85	100		
87	30.2	25.9	38.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

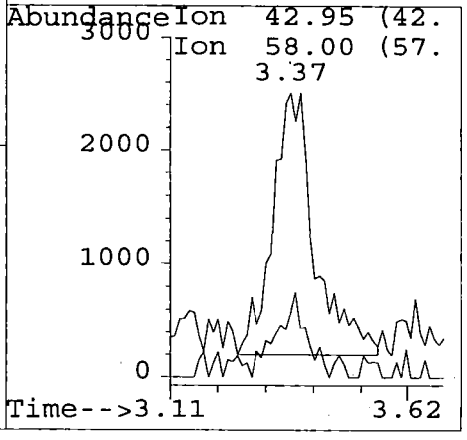


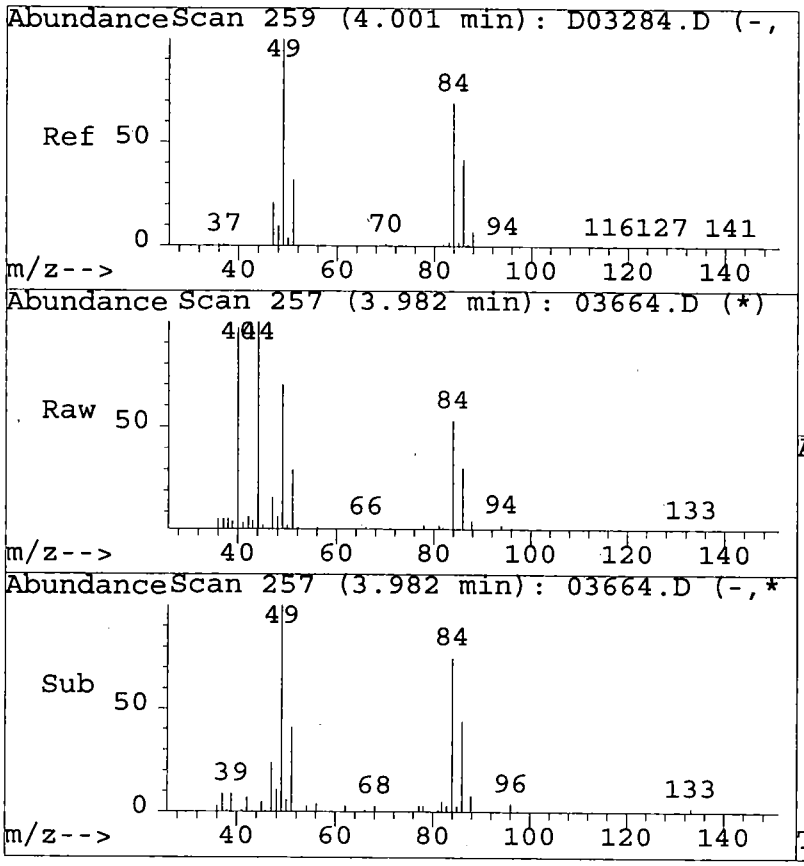


#11
Acetone
Concen: 4.86 ug/L
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: 03664.d
Acq: 5 May 98 2:53 pm

Tgt Ion:42.95 Resp: 14463

Ion	Ratio	Lower	Upper
43	100		
58	22.8	0.0	126.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

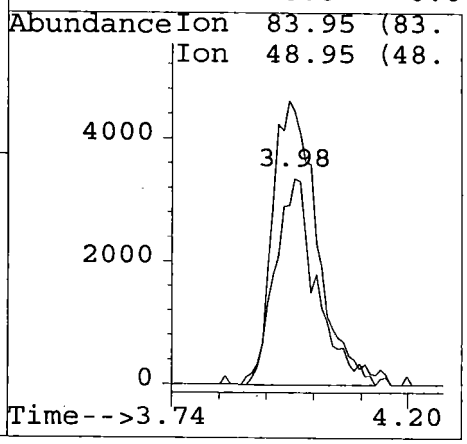


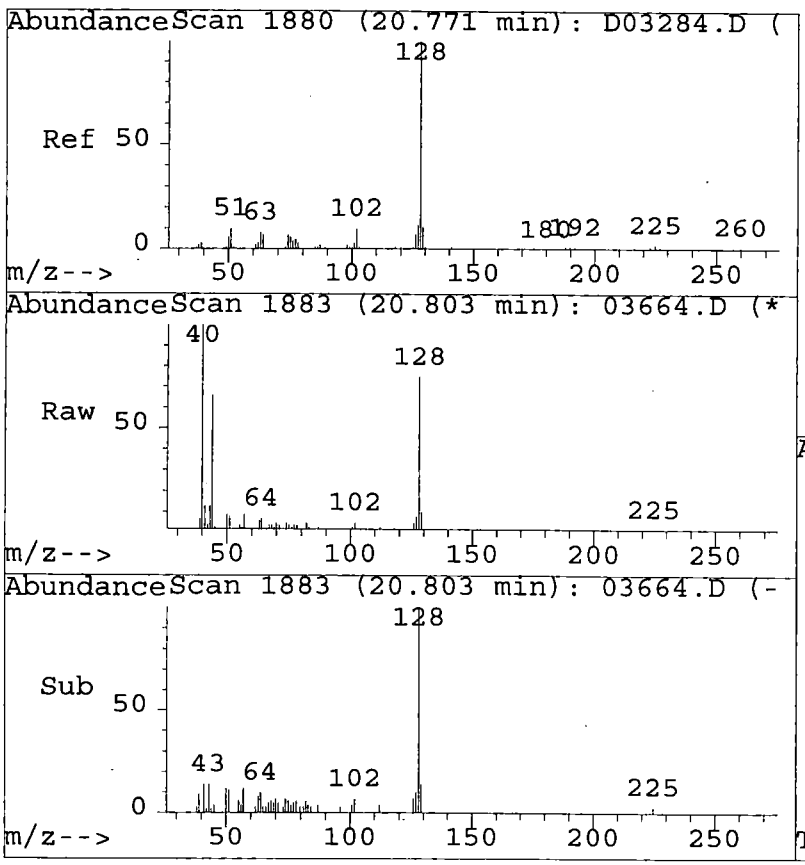


#16
Methylene Chloride
Concen: 1.53 ug/L
RT: 3.98 min Scan# 257
Delta R.T. 0.01 min
Lab File: 03664.d
Acq: 5 May 98 2:53 pm

Tgt Ion:83.95 Resp: 18464

Ion	Ratio	Lower	Upper
84	100		
49	150.8	47.6	247.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

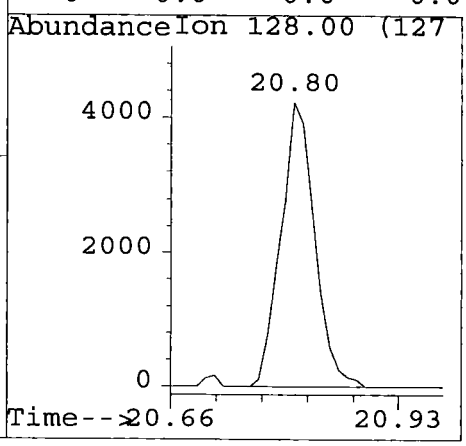




#89
Naphthalene
Concen: 0.62 ug/L
RT: 20.80 min Scan# 1883
Delta R.T. 0.01 min
Lab File: 03664.d
Acq: 5 May 98 2:53 pm

Tgt Ion:128 Resp: 11580

Ion	Ratio	Lower	Upper
128	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

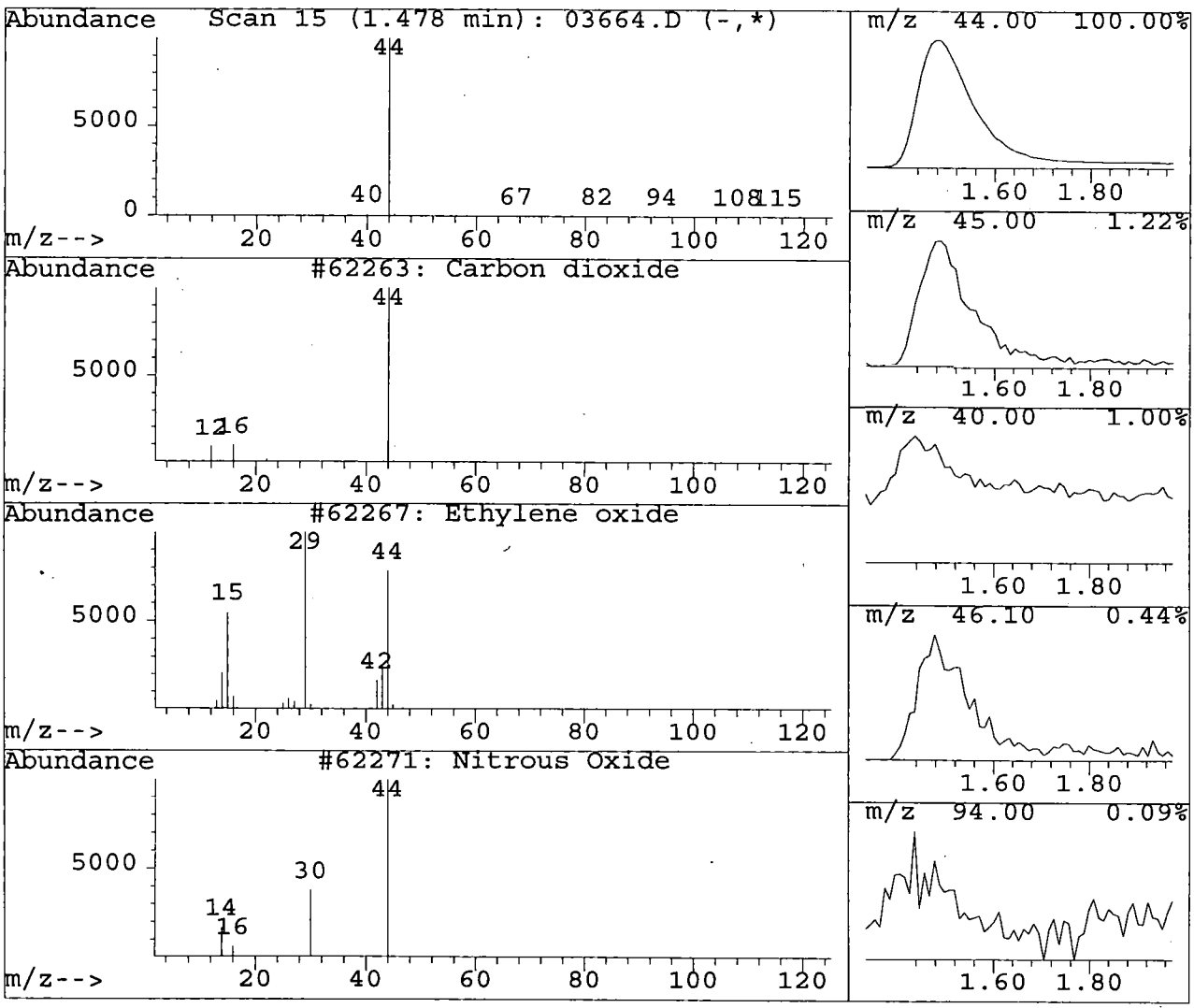
Data File : c:\hpchem\1\data\05_05_98\03664.d
Acq On : 5 May 98 2:53 pm
Sample : MB*NONE*1
Misc :

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.48	87.77 ug/L	4470908	Pentafluorobenzen	2546886	6.92

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Ethylene oxide	62267	000075-21-8	3
3	Nitrous Oxide	62271	010024-97-2	3
4	Acetaldehyde	62264	000075-07-0	3
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03666.d
Acq On : 5 May 98 3:54 pm
Sample : TLCEDW1*5
Misc : DIL5.0
Quant Time: May 12 17:43 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	642906	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	1206151	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.76	1105	1005043	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	483934	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	506530	46.66	ug/L	93.31%
32) Dibromofluoromethane	6.79	528	345989	45.21	ug/L	90.42%
47) Toluene-d8	10.38	875	1547003	48.89	ug/L	97.77%
51) Bromofluorobenzene	14.79	1302	553036	46.21	ug/L	92.43%
Target Compounds						**Qvalue**
38) Benzene	7.37	584	31888	3.90	ug/L	100
48) Toluene	10.48	885	12041	1.43	ug/L	99
59) Chlorobenzene	12.80	1109	1765446	*405.51	ug/L	99
61) Ethylbenzene	13.02	1131	2154	0.92	ug/L	72
62) Meta + Para Xylene	13.24	1152	3367	1.06	ug/L	98
~~64) Xylene (total)~~	~~13.24~~	~~1152~~	~~4224~~	~~1.36~~	~~ug/L m~~	97

* reported w/Neat run 03649

05/13/98

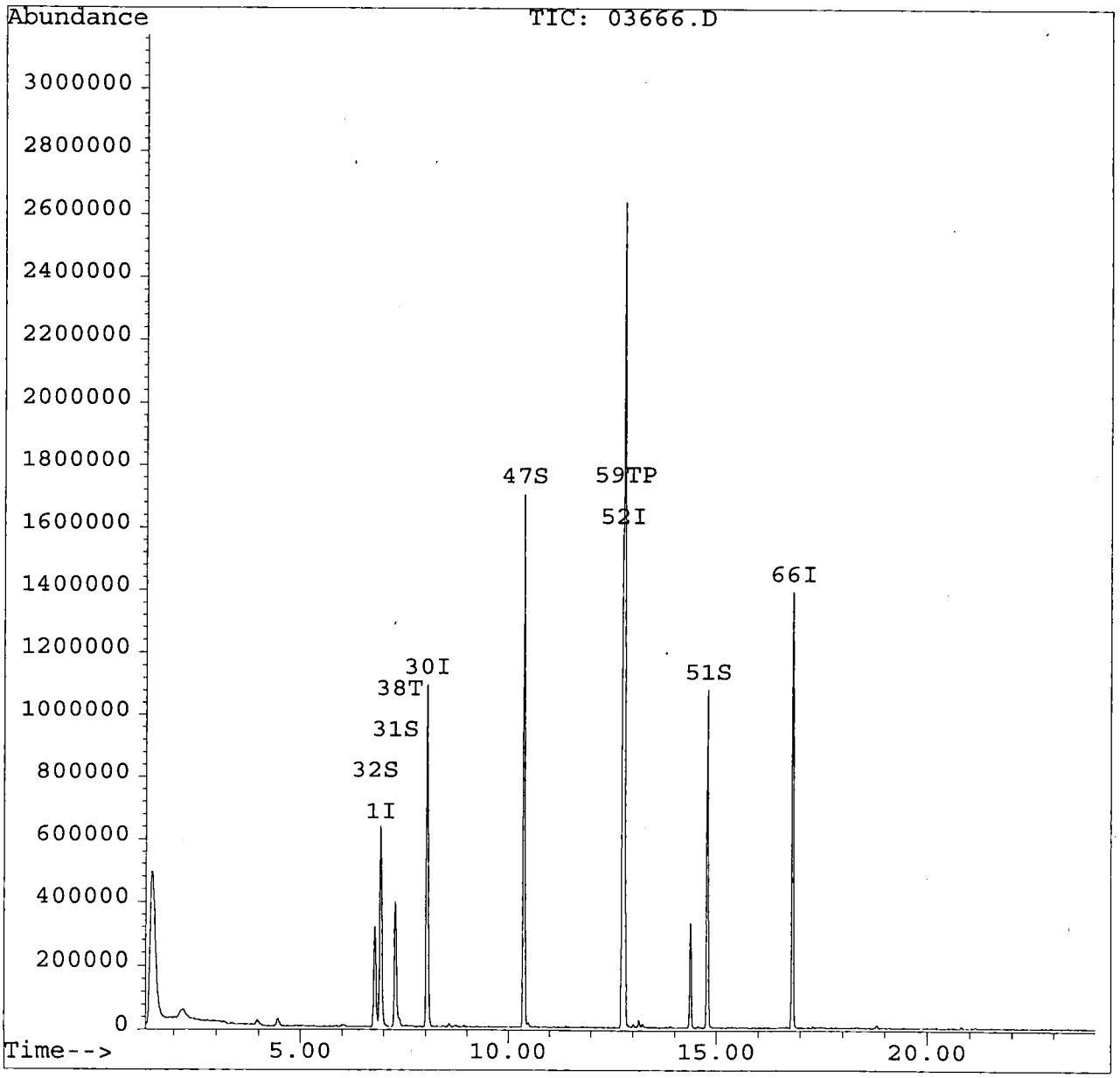
(#) = qualifier out of range (m) = manual integration

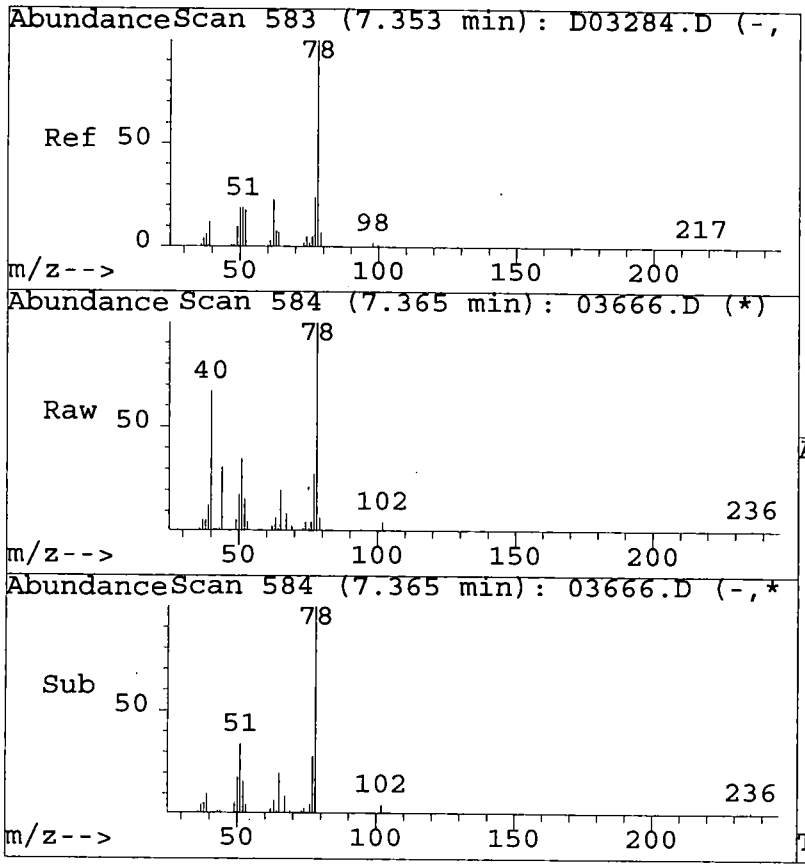
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03666.d
Acq On : 5 May 98 3:54 pm
Sample : TLCEDW1*5
Misc : DIL5.0
Quant Time: May 12 17:43 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

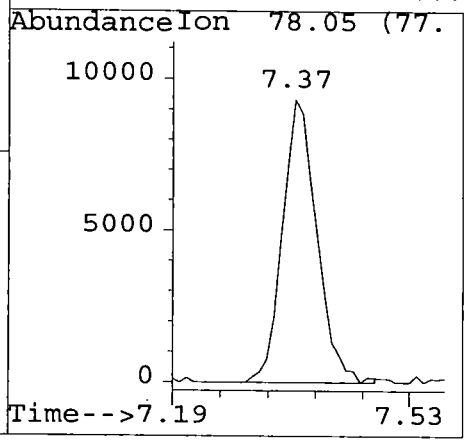


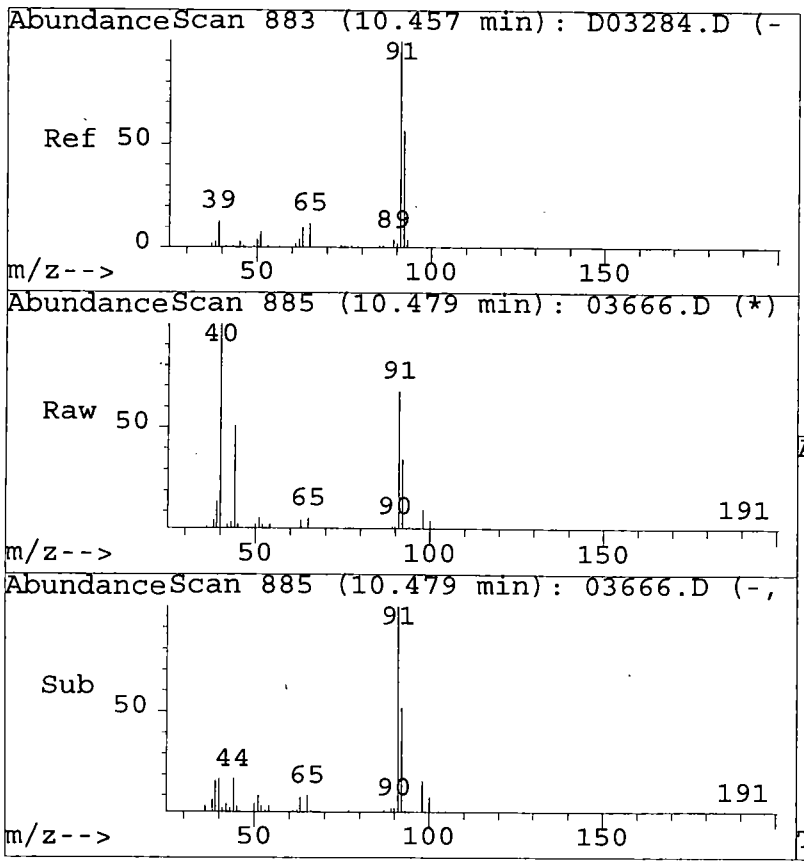


#38
Benzene
Concen: 3.90 ug/L
RT: 7.37 min Scan# 584
Delta R.T. 0.01 min
Lab File: 03666.d
Acq: 5 May 98 3:54 pm

Tgt Ion:78.05 Resp: 31888

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

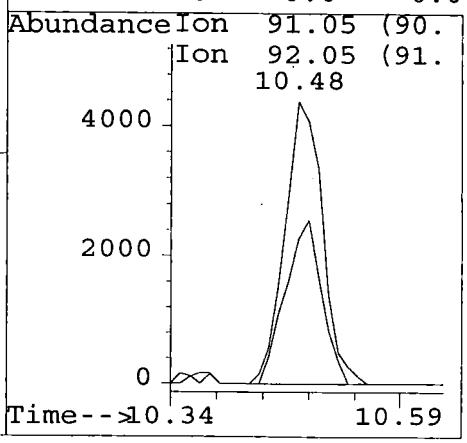


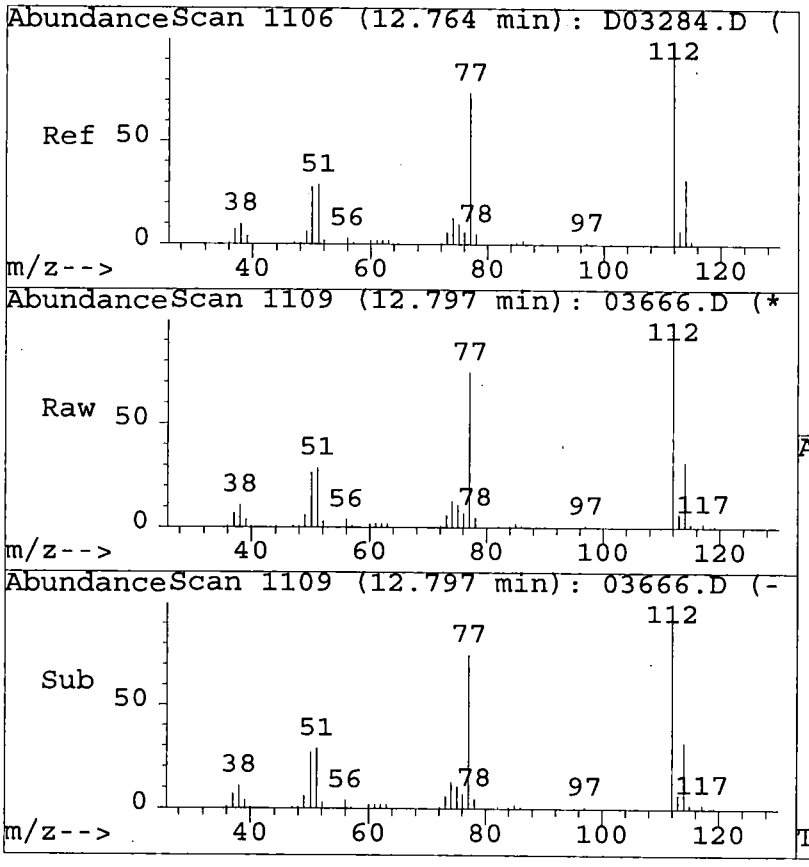


#48
Toluene
Concen: 1.43 ug/L
RT: 10.48 min Scan# 885
Delta R.T. 0.01 min
Lab File: 03666.d
Acq: 5 May 98 3:54 pm

Tgt Ion:91.05 Resp: 12041

Ion	Ratio	Lower	Upper
91	100		
92	56.4	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

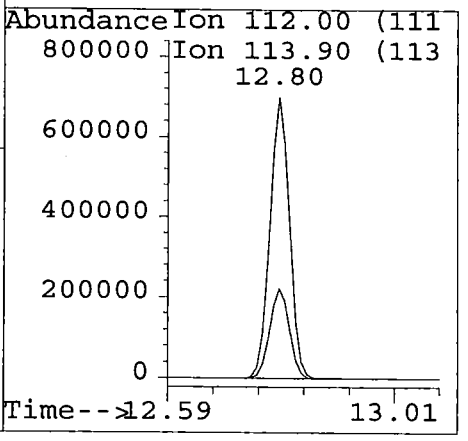


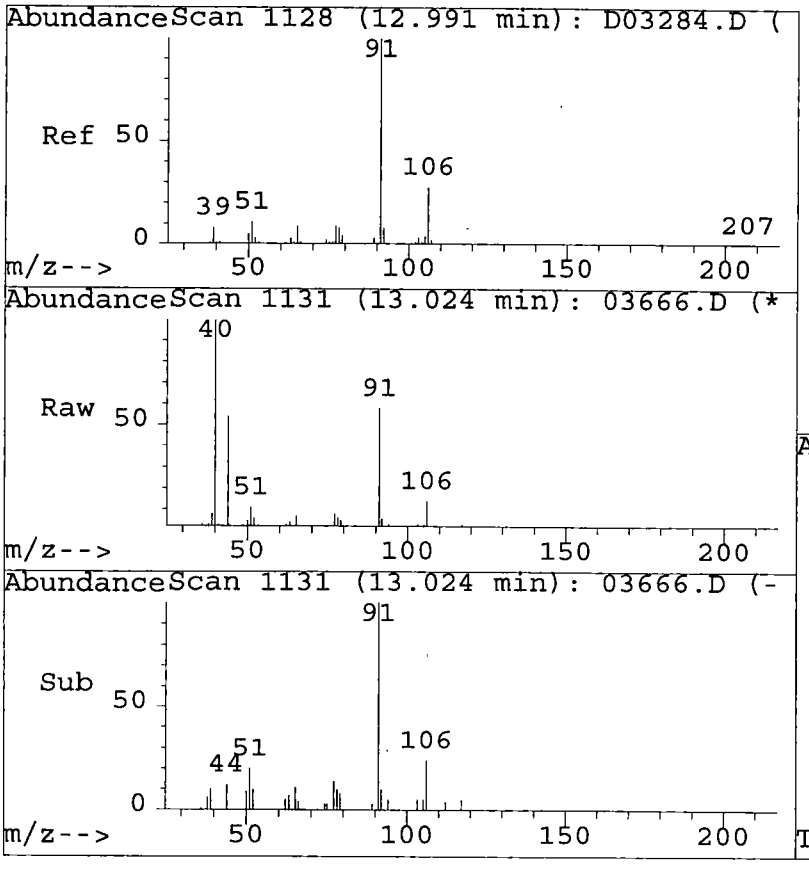


#59
Chlorobenzene
Concen: 405.51 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03666.d
Acq: 5 May 98 3:54 pm

Tgt Ion:112 Resp: 1765446

Ion	Ratio	Lower	Upper
112	100		
114	32.0	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

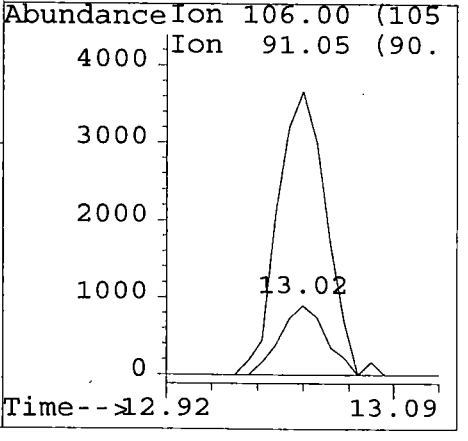


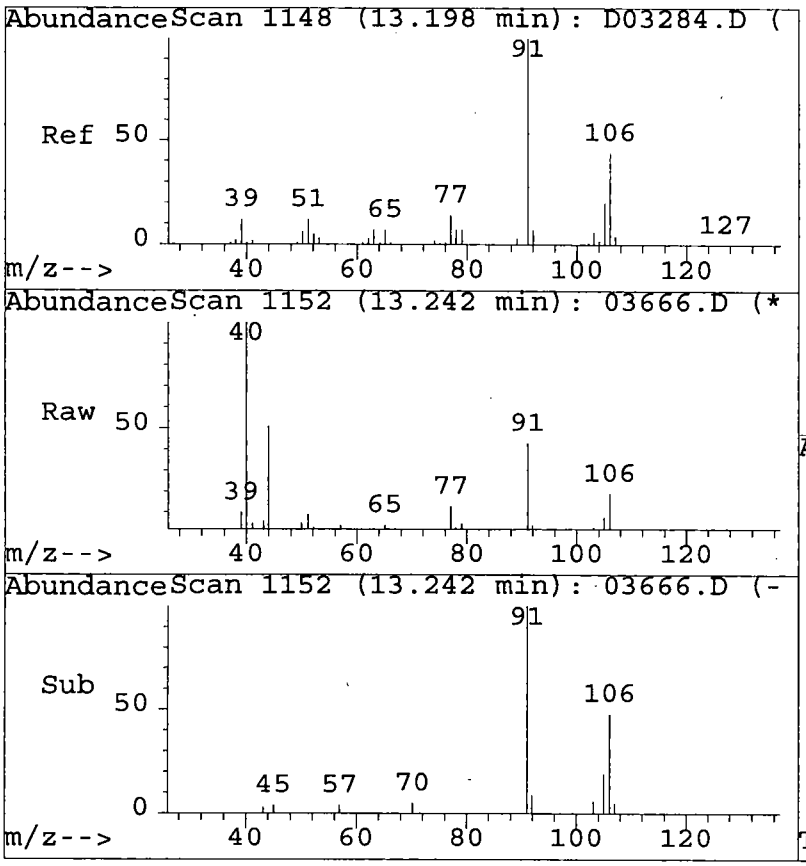


#61
Ethylbenzene
Concen: 0.92 ug/L
RT: 13.02 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03666.d
Acq: 5 May 98 3:54 pm

Tgt Ion:106 Resp: 2154

Ion	Ratio	Lower	Upper
106	100		
91	435.3	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

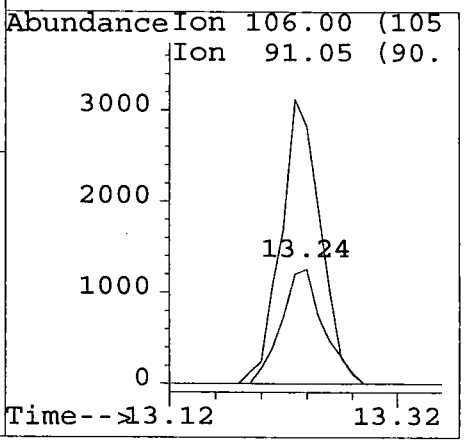


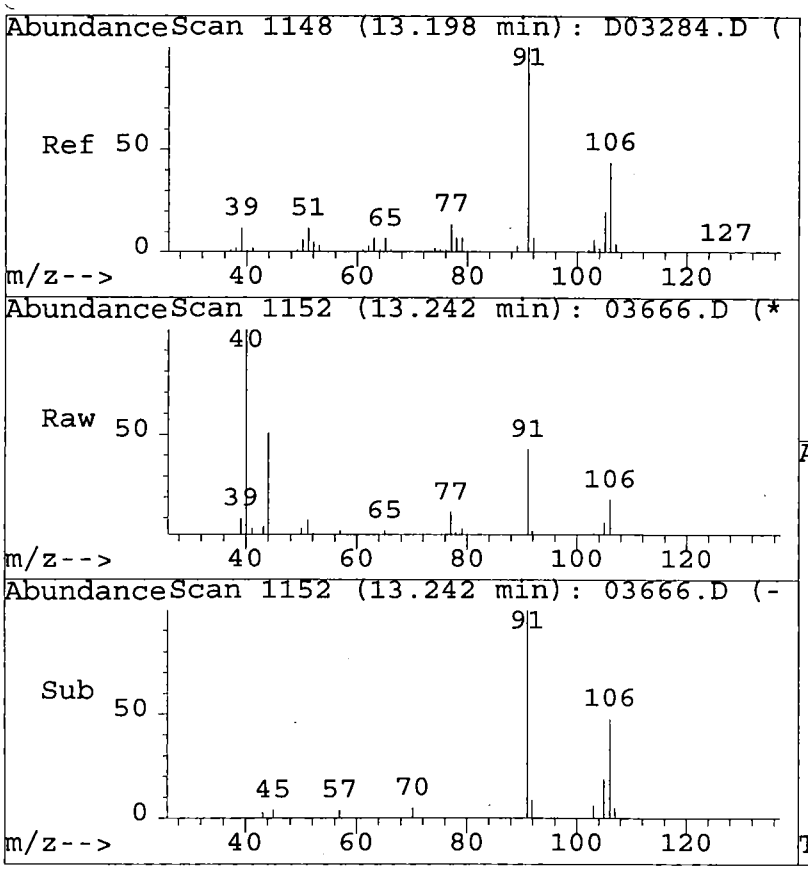


#62
Meta + Para Xylene
Concen: 1.06 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03666.d
Acq: 5 May 98 3:54 pm

Tgt Ion:106 Resp: 3367

Ion	Ratio	Lower	Upper
106	100		
91	230.0	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

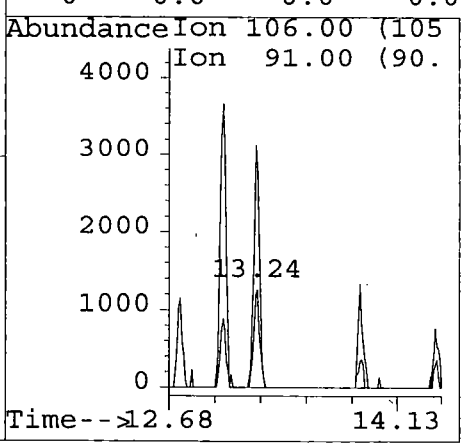




#64
Xylene (total)
Concen: 1.36 ug/L m
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03666.d
Acq: 5 May 98 3:54 pm

Tgt Ion:106 Resp: 4224

Ion	Ratio	Lower	Upper
106	100		
91	224.7	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03667.d
Acq On : 5 May 98 4:24 pm
Sample : TLCEDW1*1
Misc : DIL5.0
Quant Time: May 12 17:45 1998

Vial: 13
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	622300	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.05	650	1253874	50.00	ug/L	0.02
52) Chlorobenzene-d5	12.75	1105	1116795	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	498417	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.28	576	535517	47.45	ug/L	94.90%
32) Dibromofluoromethane	6.79	528	376655	47.34	ug/L	94.69%
47) Toluene-d8	10.39	876	1596182	48.52	ug/L	97.04%
51) Bromofluorobenzene	14.79	1302	584414	46.98	ug/L	93.95%
Target Compounds						Qvalue
4) Vinyl Chloride	1.92	58	142561	63.21	ug/L	99
12) Carbon Disulfide	3.57	217	27040	4.49	ug/L	86
18) trans-1,2-Dichloroethene	4.44	301	27887	17.09	ug/L	98
23) cis-1,2-Dichloroethene	6.01	453	8984200	2750.01	ug/L	89
38) Benzene	7.37	585	98592	11.61	ug/L	100
39) Trichloroethene	8.43	687	18834	11.26	ug/L	96
48) Toluene	10.49	886	601142	68.51	ug/L	100
55) Tetrachloroethene	11.39	973	12623	8.14	ug/L	98
59) Chlorobenzene	12.81	1110	10124001	2092.70	ug/L	99
61) Ethylbenzene	13.02	1131	19986	7.72	ug/L	83
62) Meta + Para Xylene	13.24	1152	33250	9.38	ug/L	99
63) Ortho Xylene	13.90	1216	28989	8.88	ug/L	97
~~64) Xylene (total)~~	~~13.24~~	~~1152~~	~~62304~~	~~18.04~~	~~ug/L m~~	98

Not reported needs more dilution
05/13/98

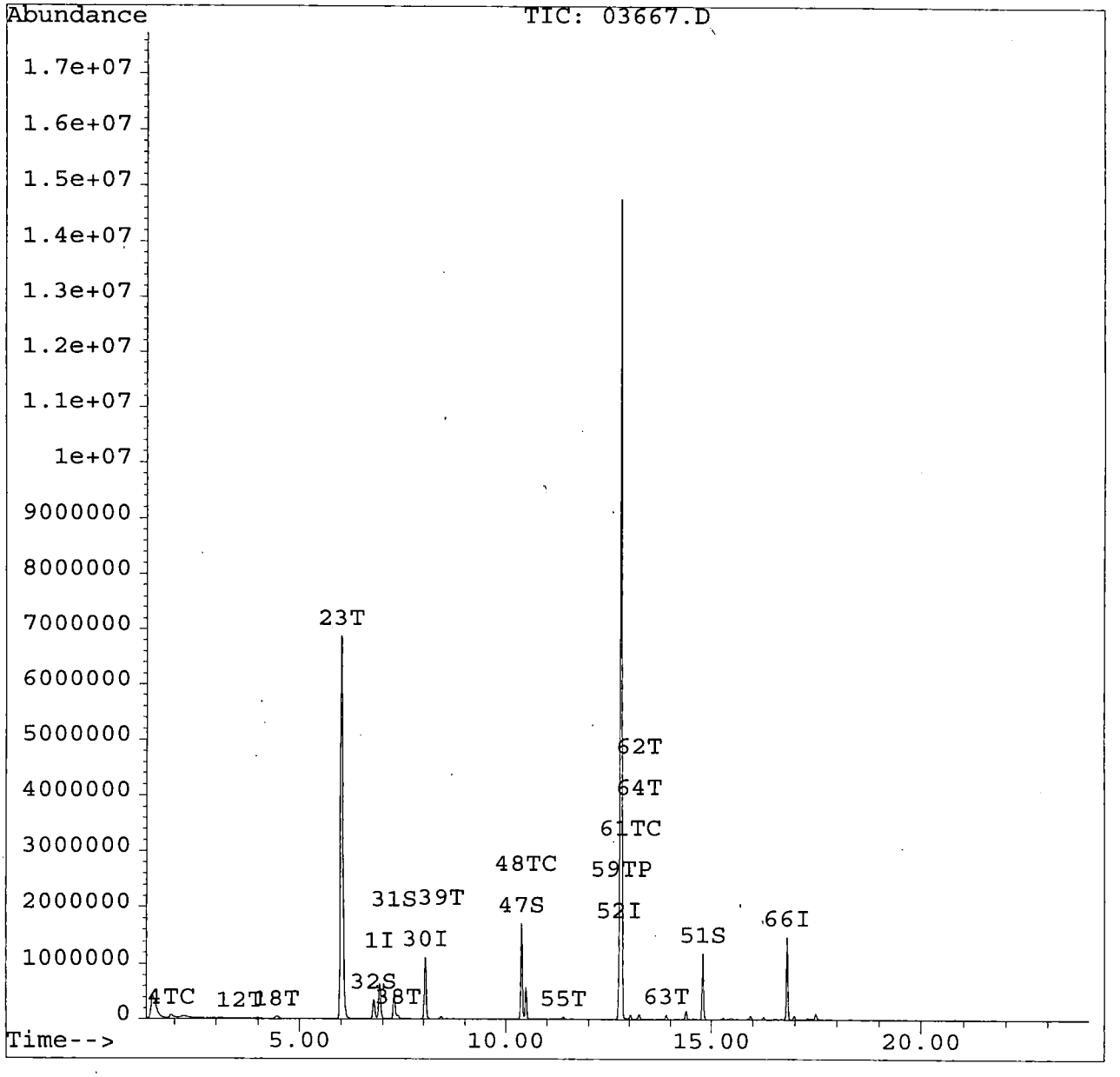
(#) = qualifier out of range (m) = manual integration

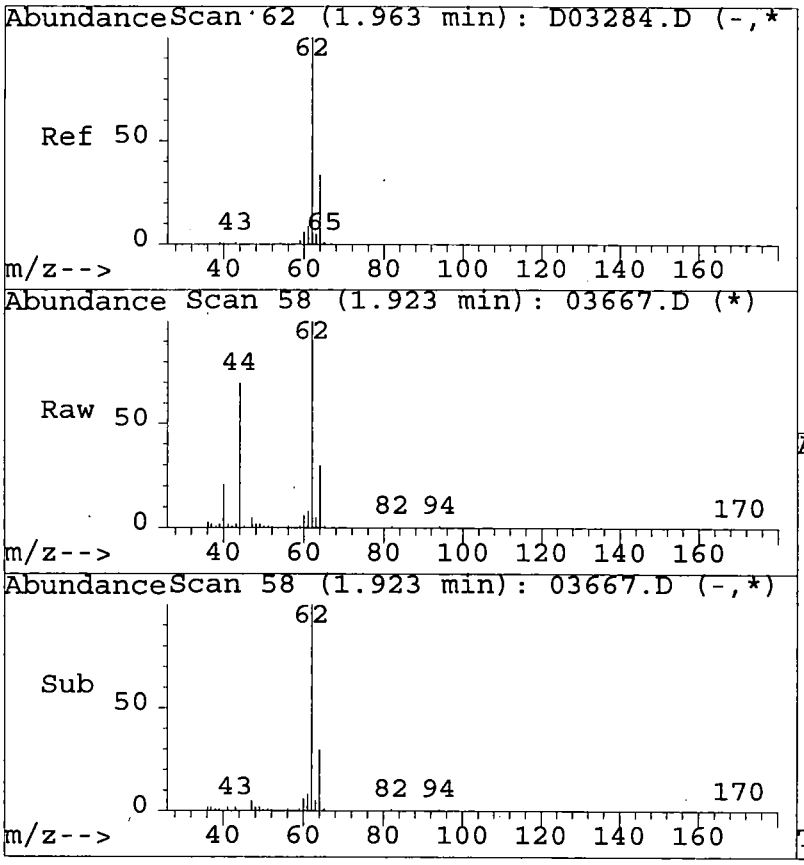
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03667.d
Acq On : 5 May 98 4:24 pm
Sample : TLCEDW1*1
Misc : DIL5.0
Quant Time: May 12 17:45 1998

Vial: 13
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

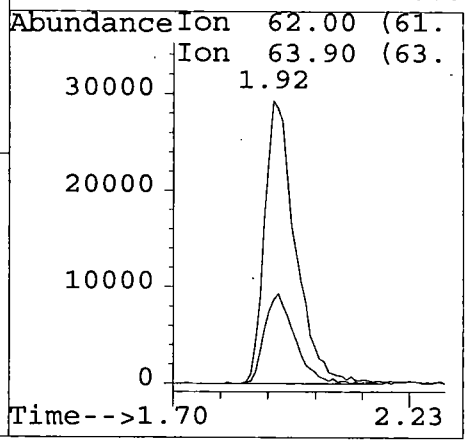


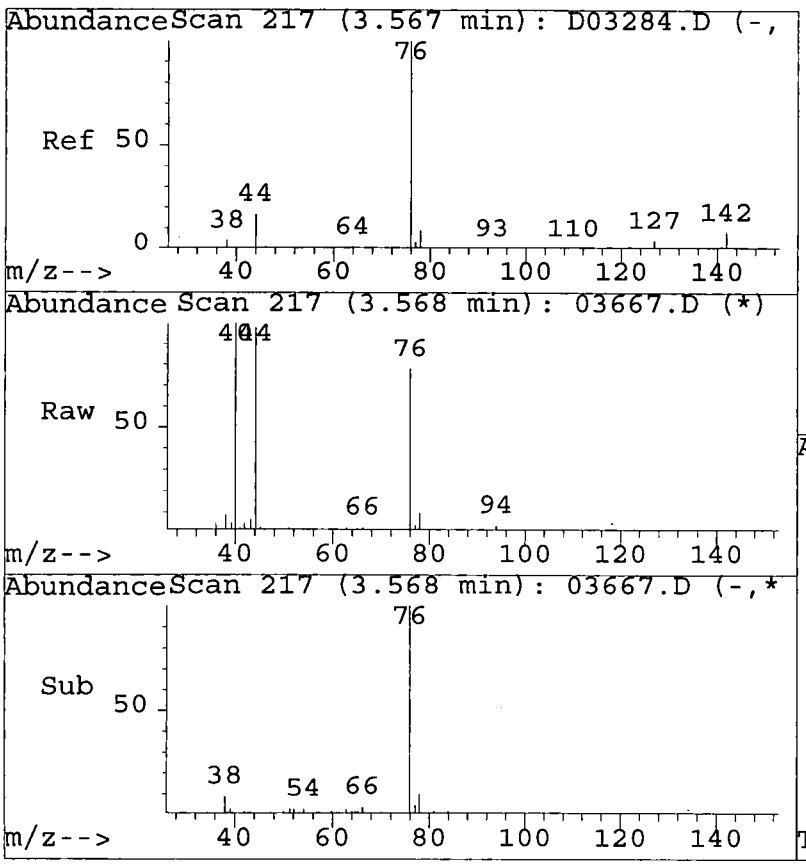


#4
Vinyl Chloride
Concen: 63.21 ug/L
RT: 1.92 min Scan# 58
Delta R.T. -0.00 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:62 Resp: 142561

Ion	Ratio	Lower	Upper
62	100		
64	31.2	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

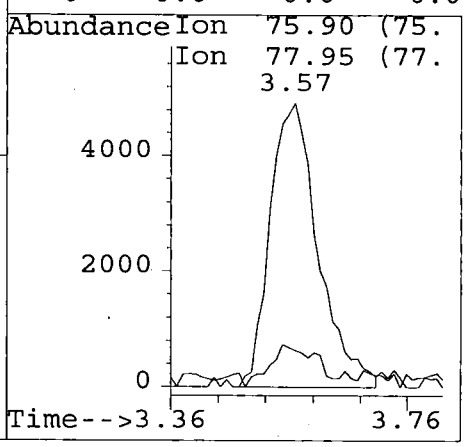


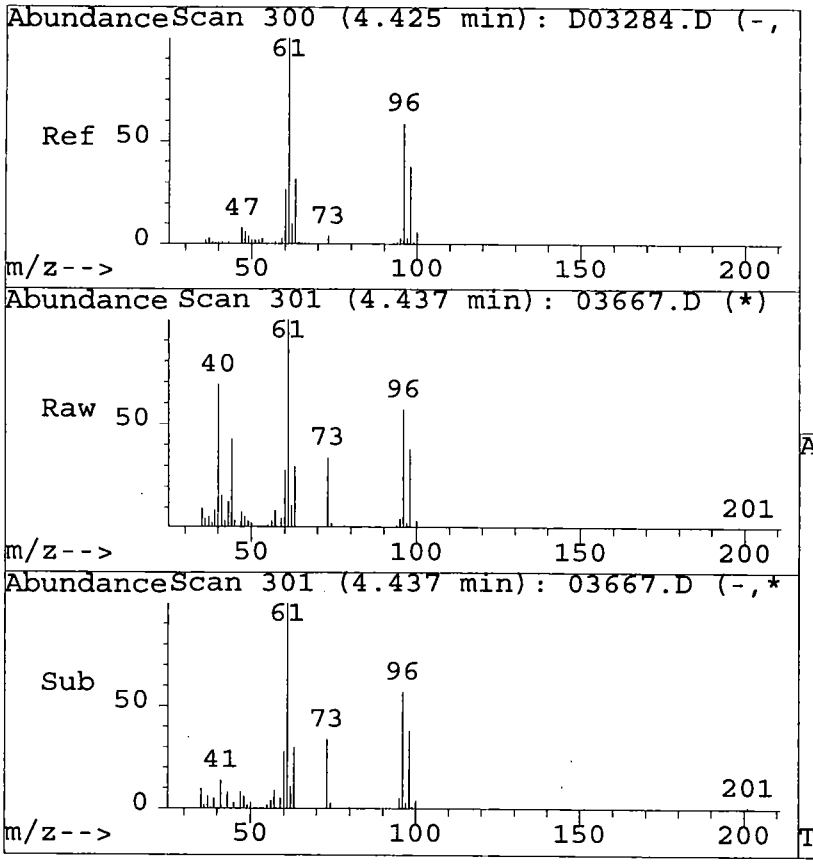


#12
Carbon Disulfide
Concen: 4.49 ug/L
RT: 3.57 min Scan# 217
Delta R.T. 0.03 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:75.9 Resp: 27040

Ion	Ratio	Lower	Upper
76	100		
78	14.0	0.0	208.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0

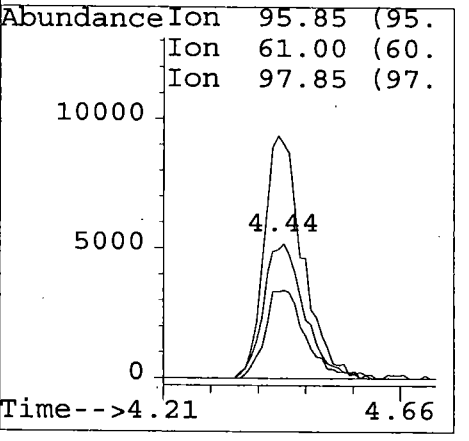


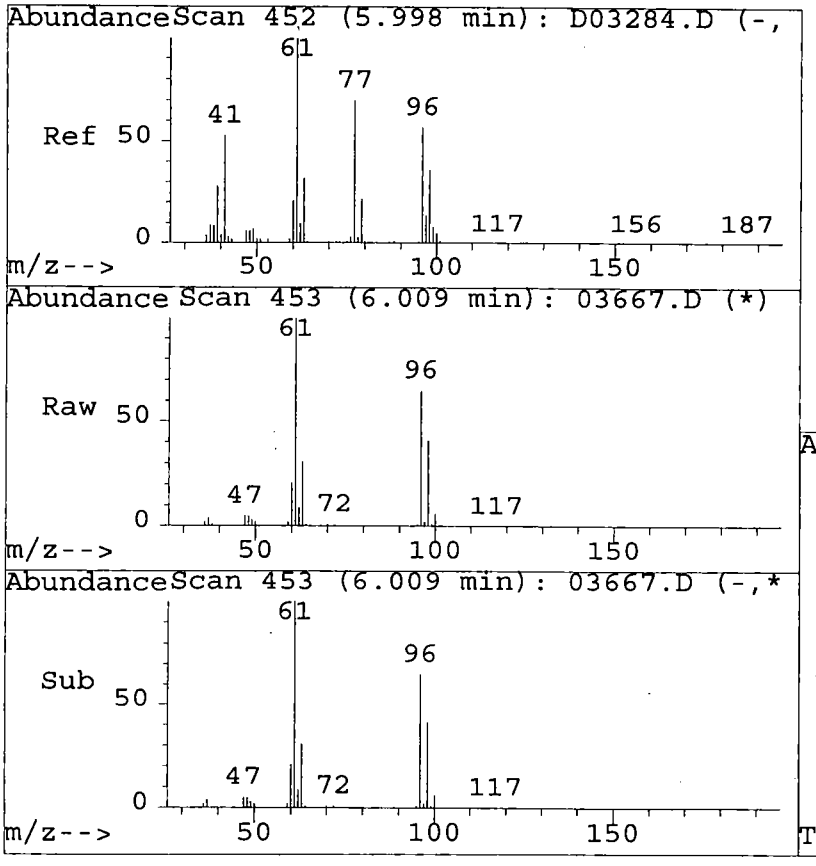


#18
trans-1,2-Dichloroethene
Concen: 17.09 ug/L
RT: 4.44 min Scan# 301
Delta R.T. 0.03 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:95.85 Resp: 27887

Ion	Ratio	Lower	Upper
96	100		
61	170.0	134.2	201.3
98	64.7	50.2	75.3
0	0.0	0.0	0.0

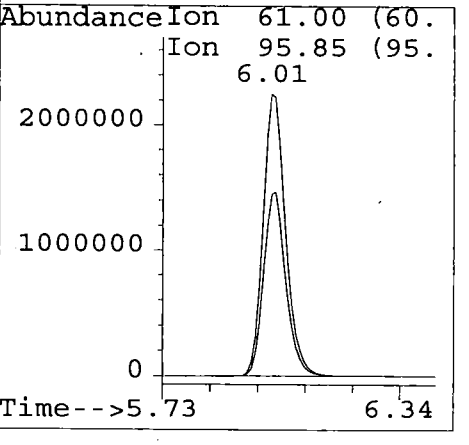


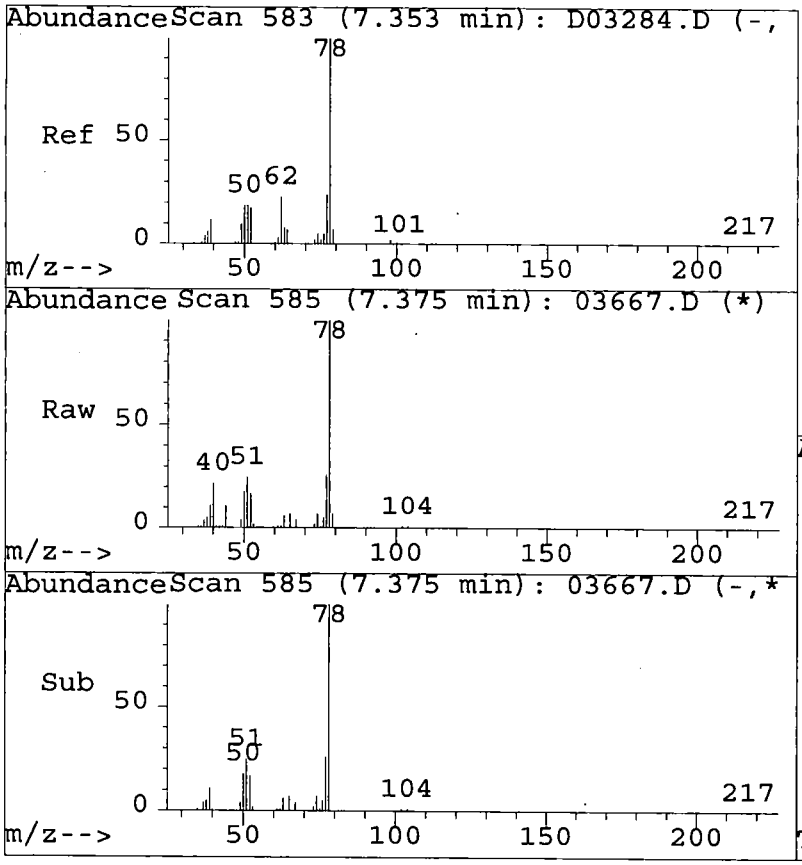


#23
cis-1,2-Dichloroethene
Concen: 2750.01 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:61 Resp: 8984200

Ion	Ratio	Lower	Upper
61	100		
96	65.0	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

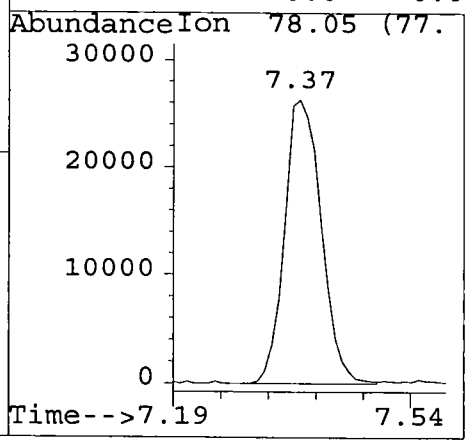


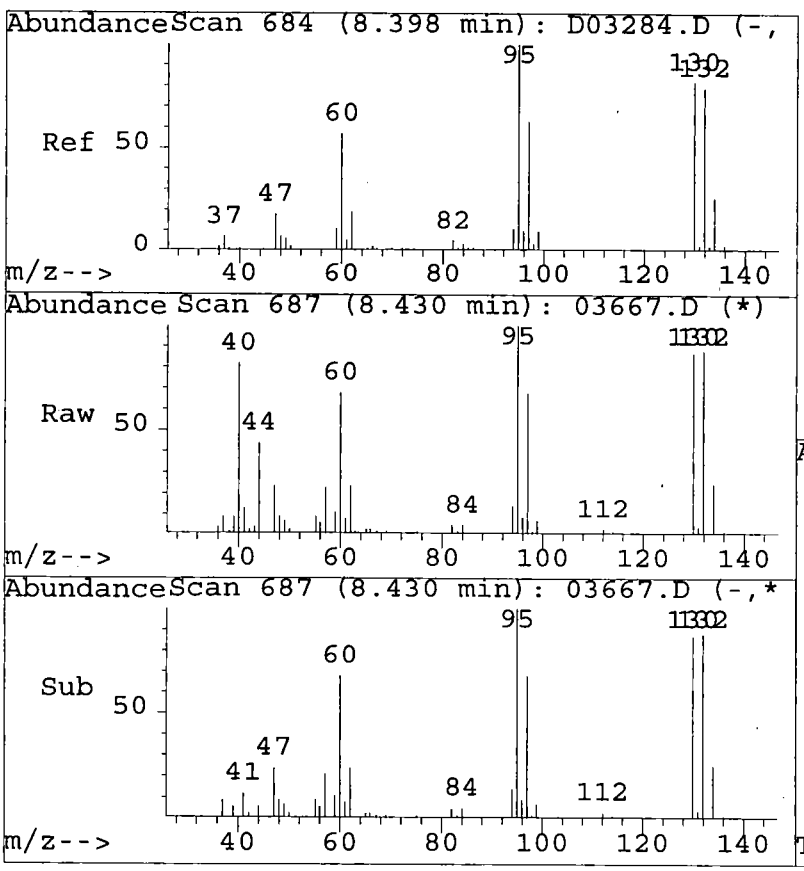


#38
Benzene
Concen: 11.61 ug/L
RT: 7.37 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:78.05 Resp: 98592

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

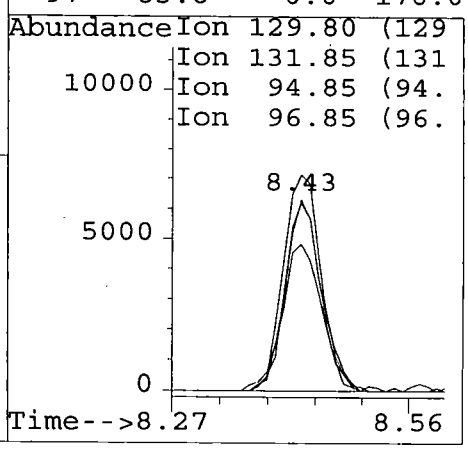


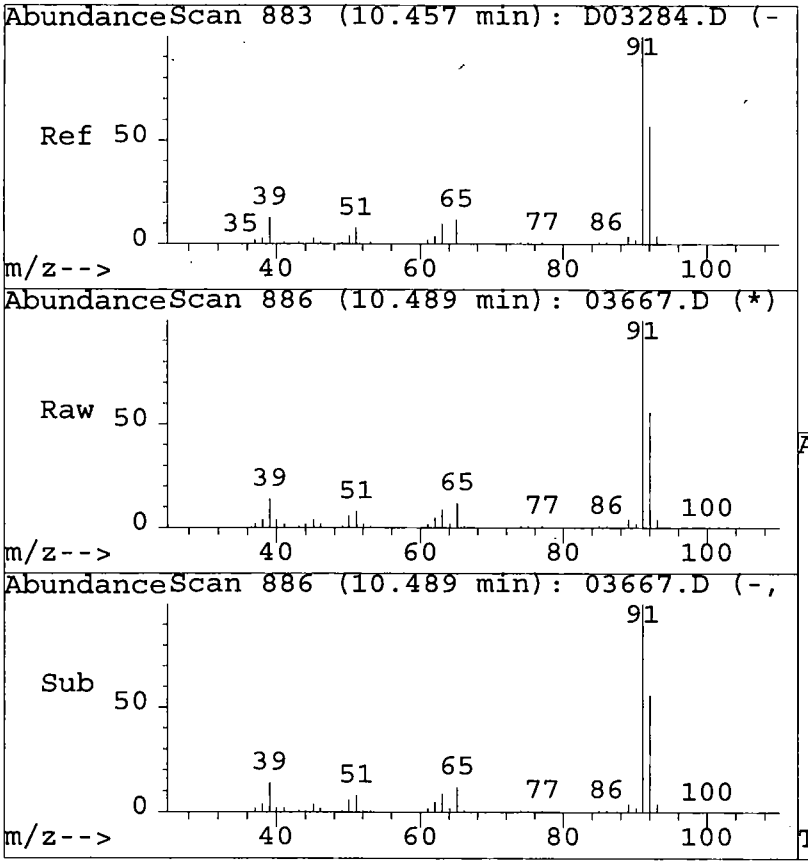


#39
Trichloroethene
Concen: 11.26 ug/L
RT: 8.43 min Scan# 687
Delta R.T. 0.02 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:129.8 Resp: 18834

Ion	Ratio	Lower	Upper
130	100		
132	98.0	0.0	195.8
95	121.2	19.7	219.7
97	83.8	0.0	176.0

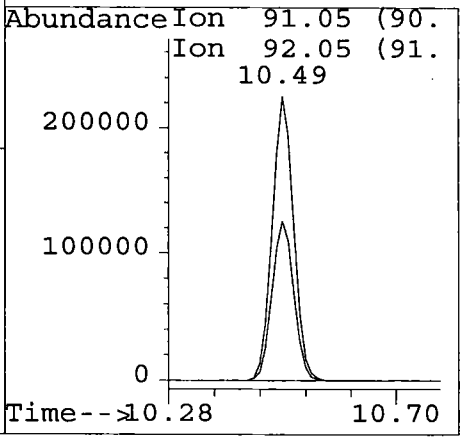


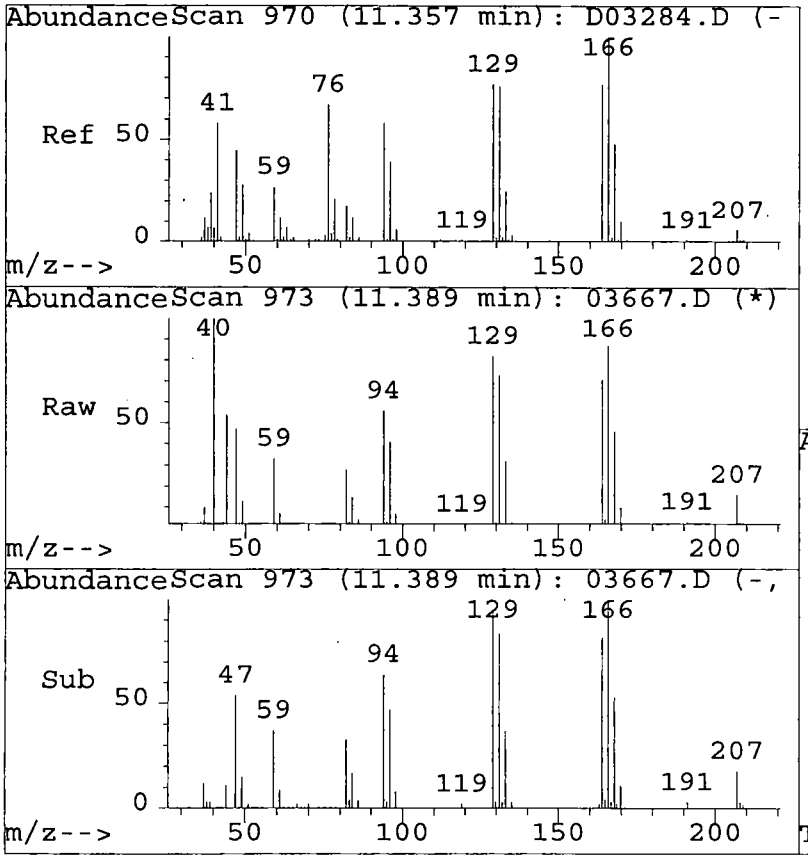


#48
Toluene
Concen: 68.51 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:91.05 Resp: 601142

Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

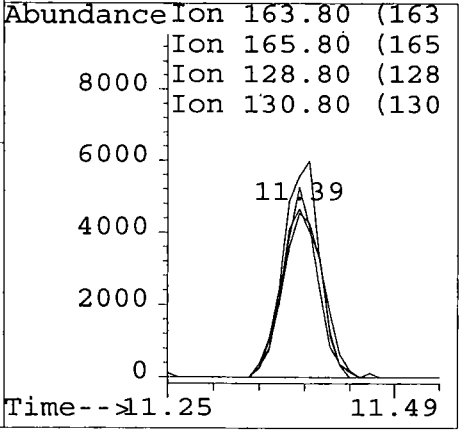


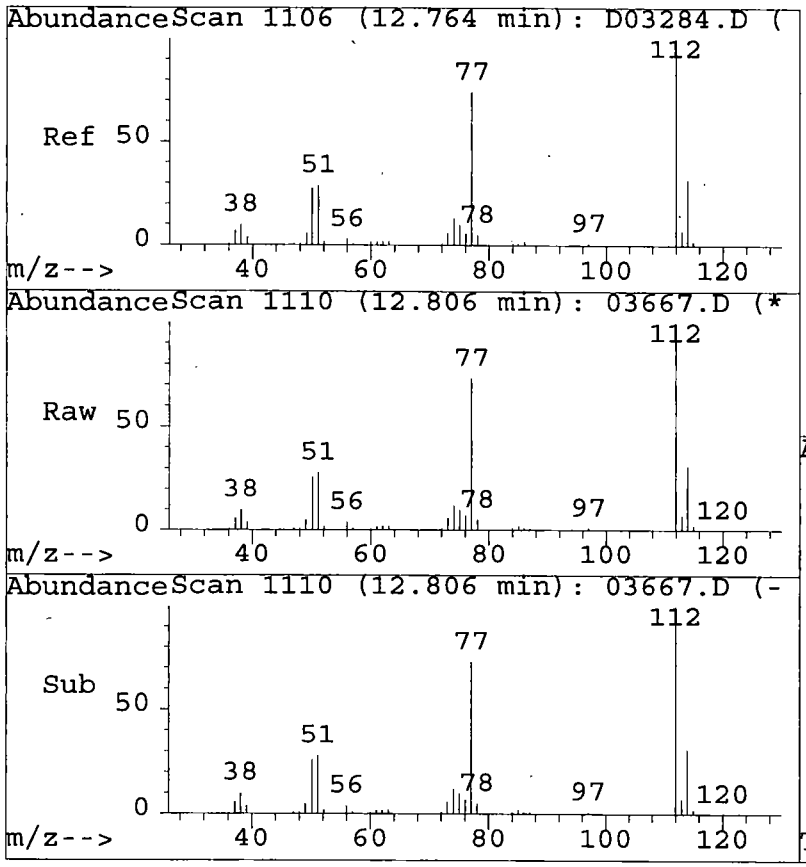


#55
Tetrachloroethene
Concen: 8.14 ug/L
RT: 11.39 min Scan# 973
Delta R.T. 0.01 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:163.8 Resp: 12623

Ion	Ratio	Lower	Upper
164	100		
166	127.9	28.6	228.6
129	100.6	3.2	203.2
131	102.6	0.0	198.8

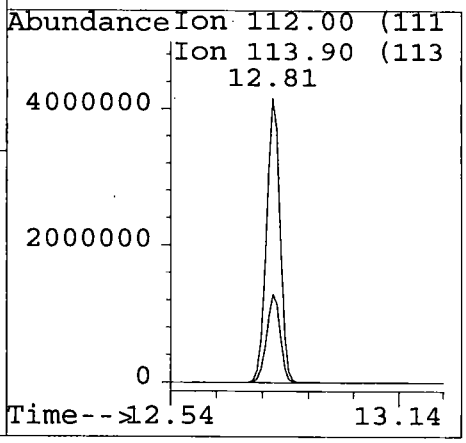


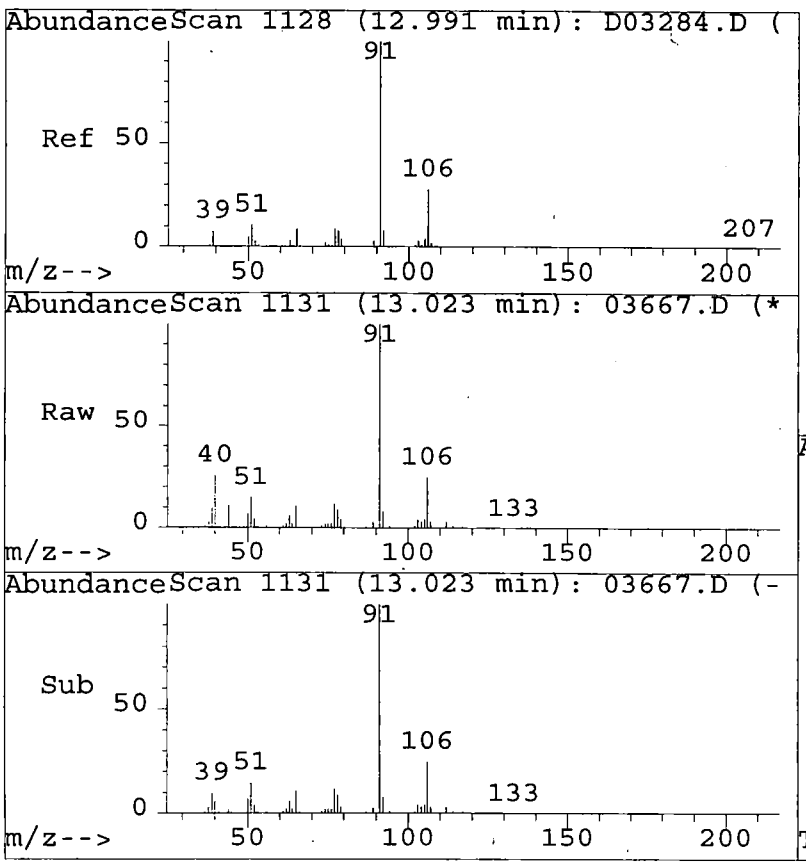


#59
Chlorobenzene
Concen: 2092.70 ug/L
RT: 12.81 min Scan# 1110
Delta R.T. 0.02 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:112 Resp:10124001

Ion	Ratio	Lower	Upper
112	100		
114	31.2	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

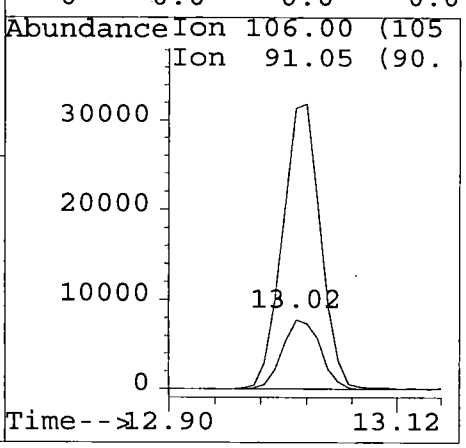


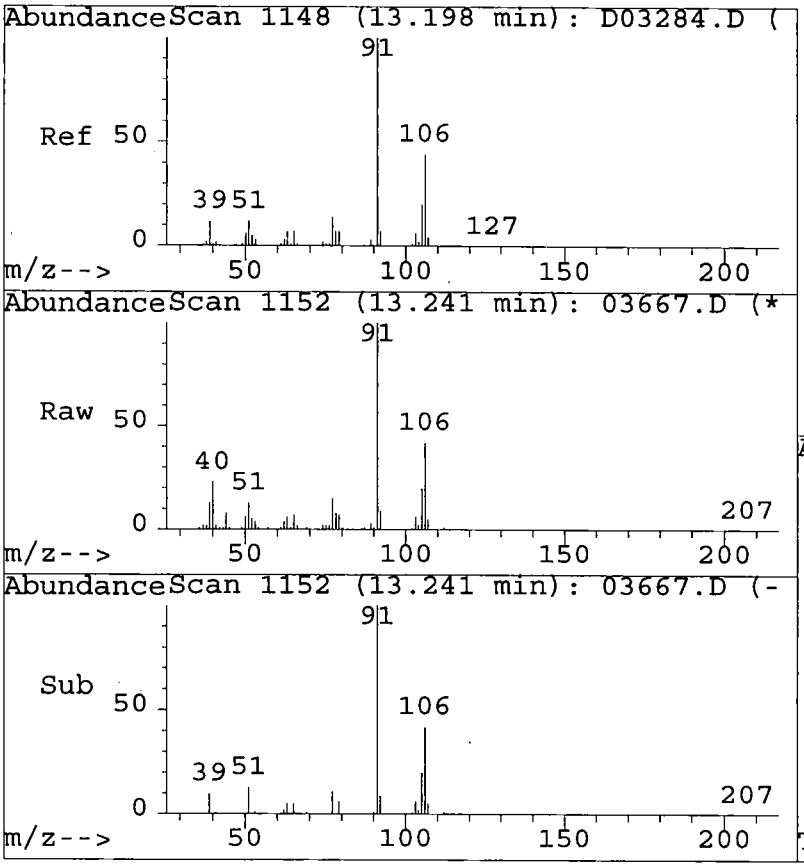


#61
Ethylbenzene
Concen: 7.72 ug/L
RT: 13.02 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:106 Resp: 19986

Ion	Ratio	Lower	Upper
106	100		
91	410.5	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

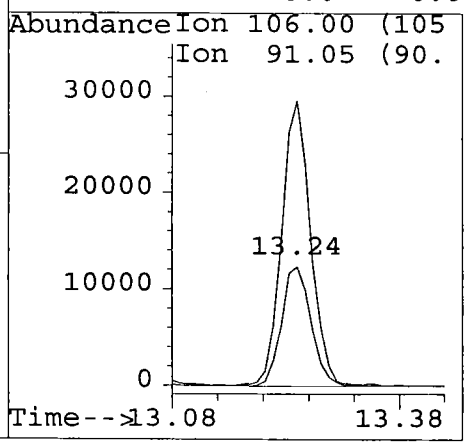


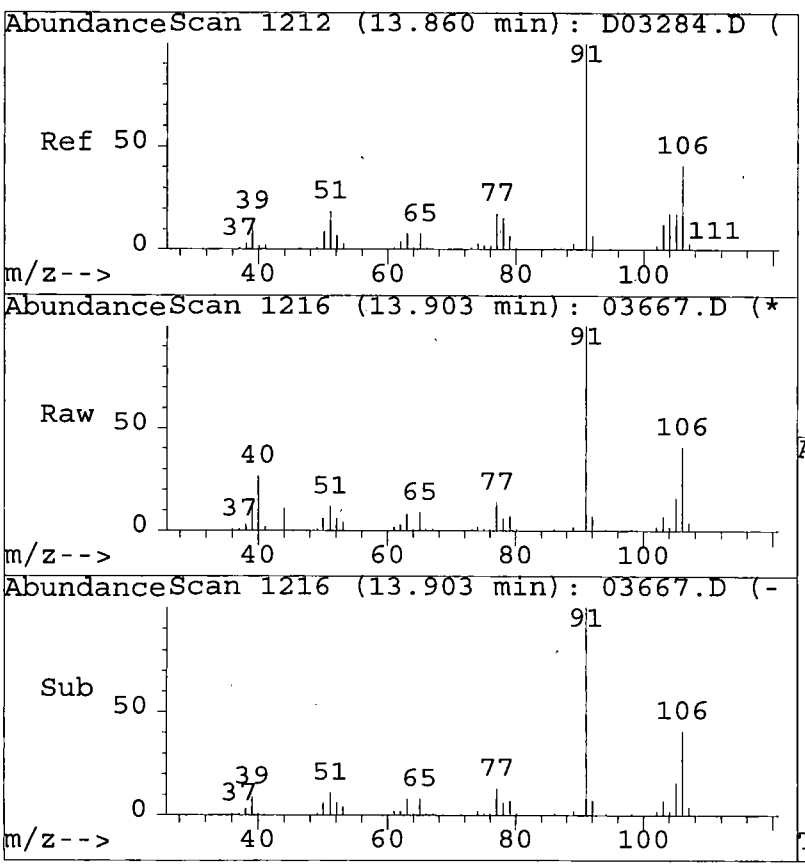


#62
Meta + Para Xylene
Concen: 9.38 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:106 Resp: 33250

Ion	Ratio	Lower	Upper
106	100		
91	231.6	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

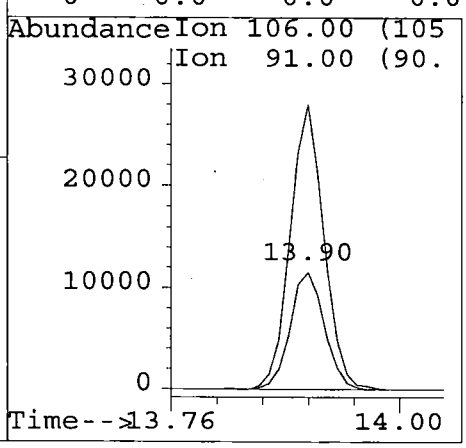


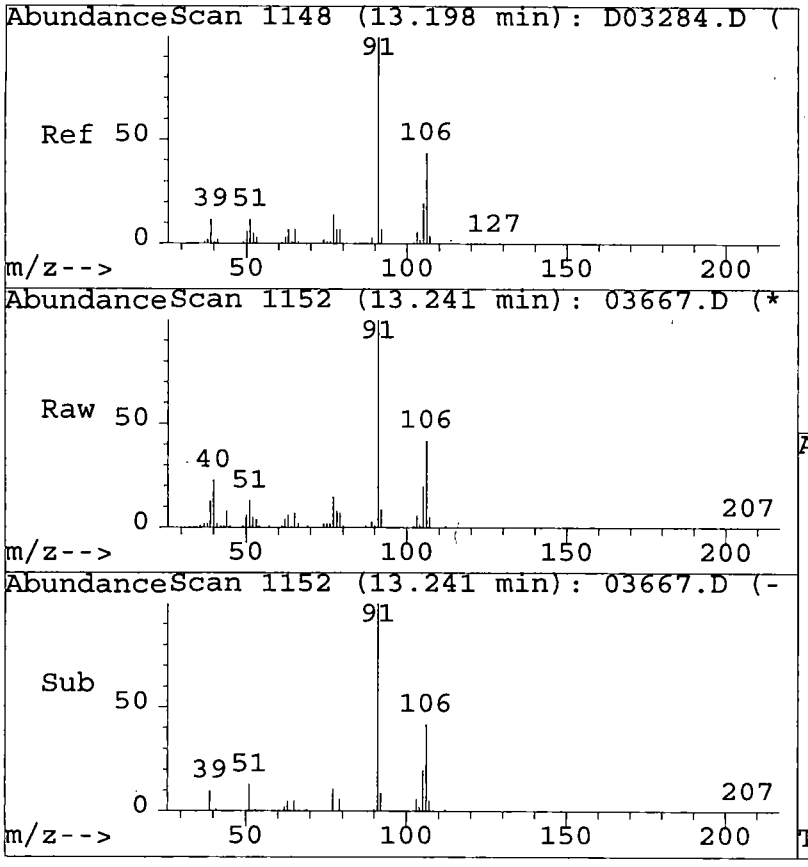


#63
Ortho Xylene
Concen: 8.88 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:106 Resp: 28989

Ion	Ratio	Lower	Upper
106	100		
91	238.3	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

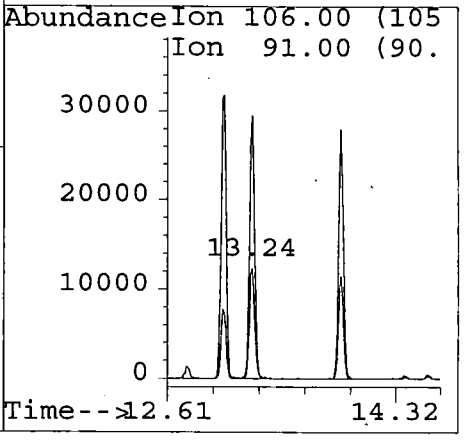




#64
Xylene (total)
Concen: 18.04 ug/L m
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03667.d
Acq: 5 May 98 4:24 pm

Tgt Ion:106 Resp: 62304

Ion	Ratio	Lower	Upper
106	100		
91	239.7	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03668.d
Acq On : 5 May 98 4:54 pm
Sample : TLCEDW1*3
Misc : DIL5.0
Quant Time: May 12 17:46 1998

Vial: 14
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	647481	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.05	650	1228170	50.00	ug/L	0.02
52) Chlorobenzene-d5	12.75	1105	1084280	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	508943	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	537833	48.65	ug/L	97.30%
32) Dibromofluoromethane	6.80	529	365503	46.90	ug/L	93.81%
47) Toluene-d8	10.39	876	1613355	50.07	ug/L	100.14%
51) Bromofluorobenzene	14.79	1302	587329	48.20	ug/L	96.40%
Target Compounds						**Qvalue**
4) Vinyl Chloride	1.94	60	12859	5.48	ug/L	95
5) Bromomethane	2.26	91	3135	1.47	ug/L	93
23) cis-1,2-Dichloroethene	6.01	453	39337	11.57	ug/L	89
38) Benzene	7.37	585	41068	4.94	ug/L	100
39) Trichloroethene	8.44	688	2770	1.69	ug/L	91
48) Toluene	10.50	887	22774	2.65	ug/L	98
59) Chlorobenzene	12.81	1110	3428641	*729.98	ug/L	100
61) Ethylbenzene	13.03	1132	11585	4.61	ug/L	88
62) Meta + Para Xylene	13.24	1152	24040	6.99	ug/L	95
63) Ortho Xylene	13.90	1216	7963	2.51	ug/L	83
~~64) Xylene (total)~~	~~13.24~~	~~1152~~	~~32001~~	~~9.54~~	~~ug/L m~~	94

* reported w/Neat data 03654.d

05/13/98

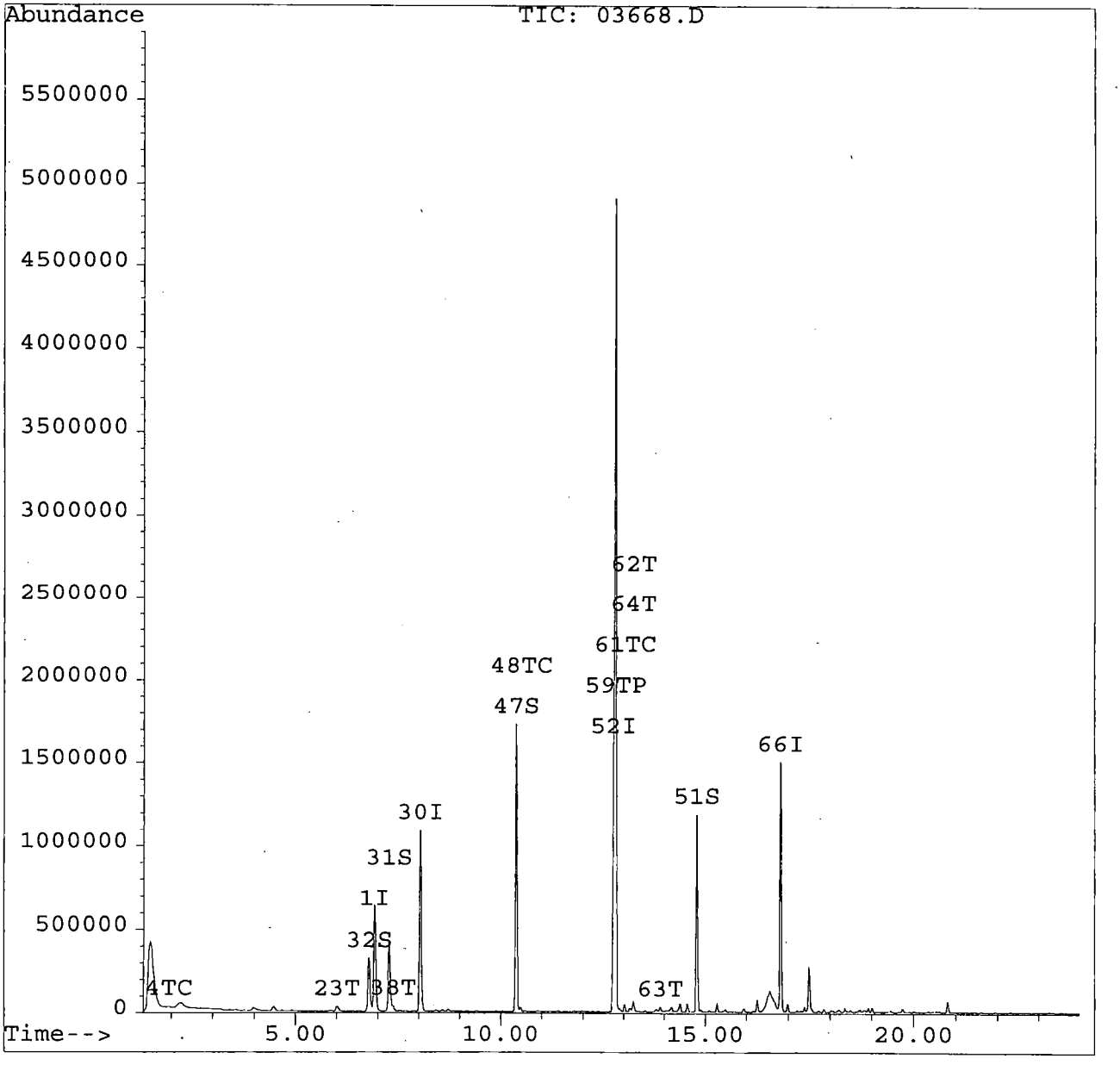
(#) = qualifier out of range (m) = manual integration

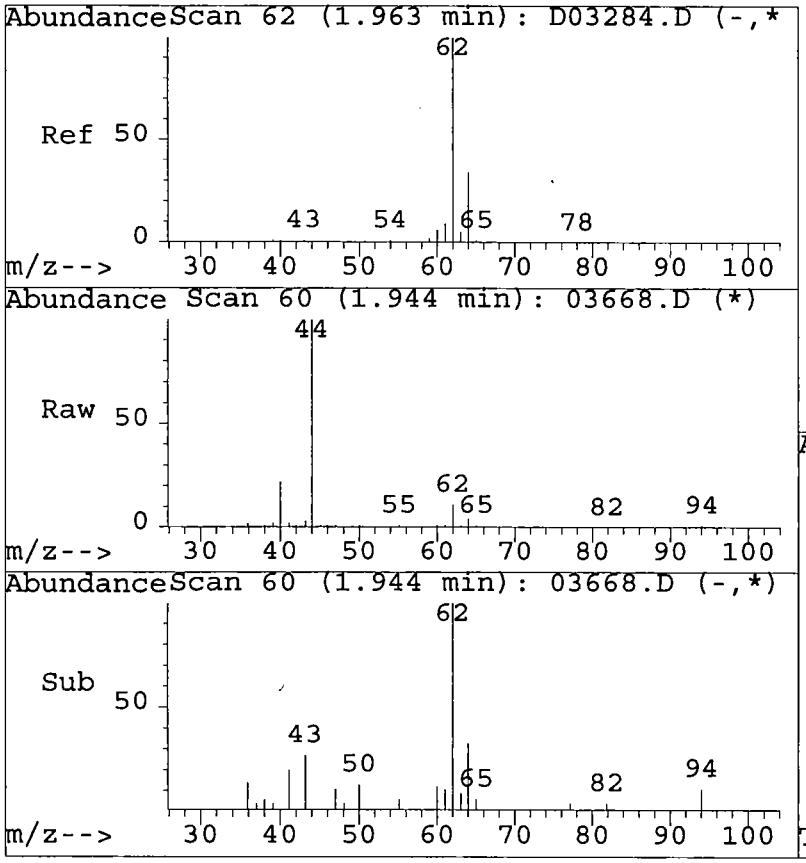
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03668.d
Acq On : 5 May 98 4:54 pm
Sample : TLCEDW1*3
Misc : DIL5.0
Quant Time: May 12 17:46 1998

Vial: 14
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

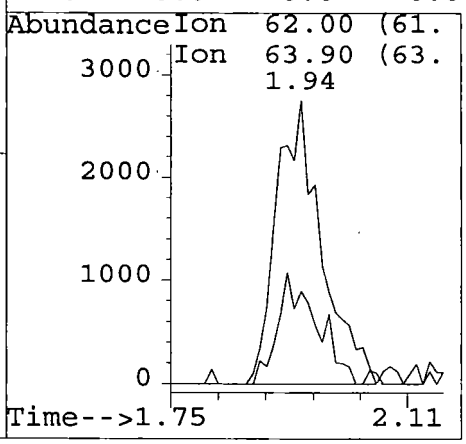


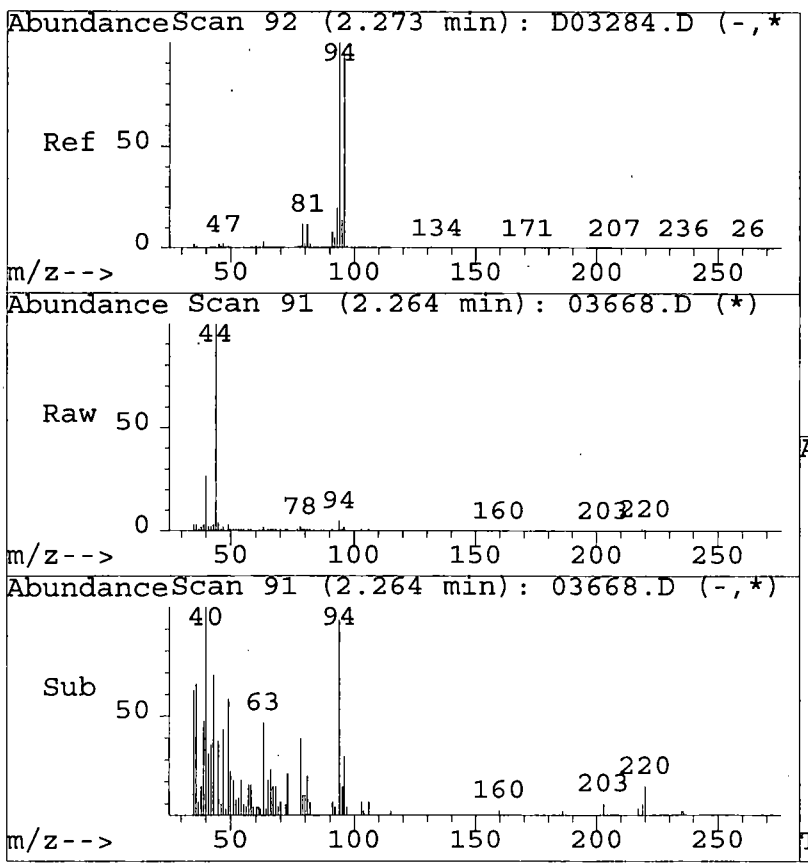


#4
Vinyl Chloride
Concen: 5.48 ug/L
RT: 1.94 min Scan# 60
Delta R.T. 0.02 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:62 Resp: 12859

Ion	Ratio	Lower	Upper
62	100		
64	34.3	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

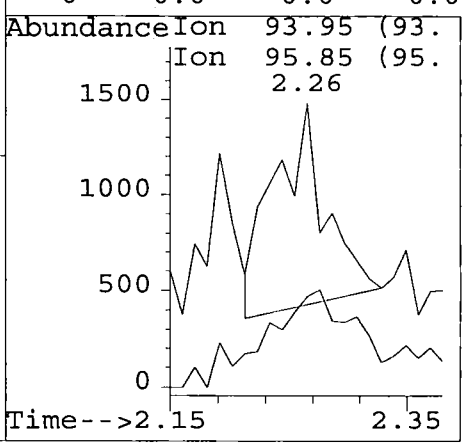


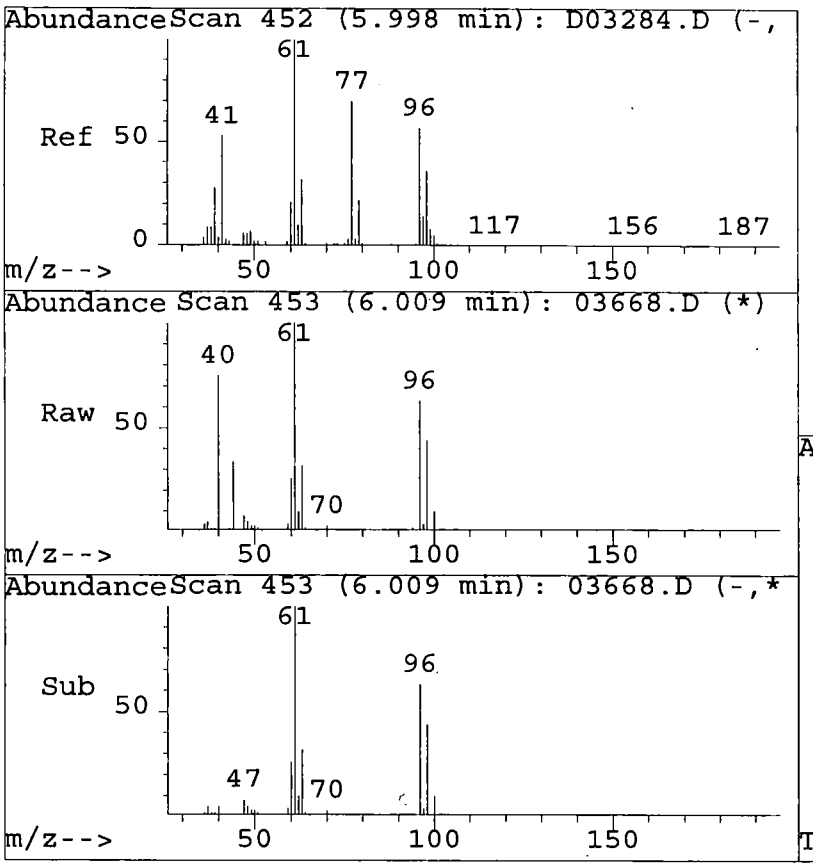


#5
Bromomethane
Concen: 1.47 ug/L
RT: 2.26 min Scan# 91
Delta R.T. 0.03 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:93.95 Resp: 3135

Ion	Ratio	Lower	Upper
94	100		
96	87.1	74.9	112.3
0	0.0	0.0	0.0
0	0.0	0.0	0.0

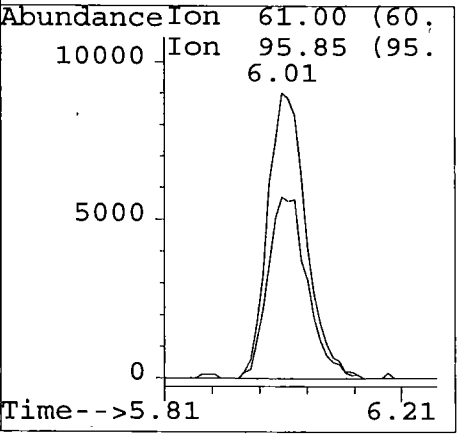


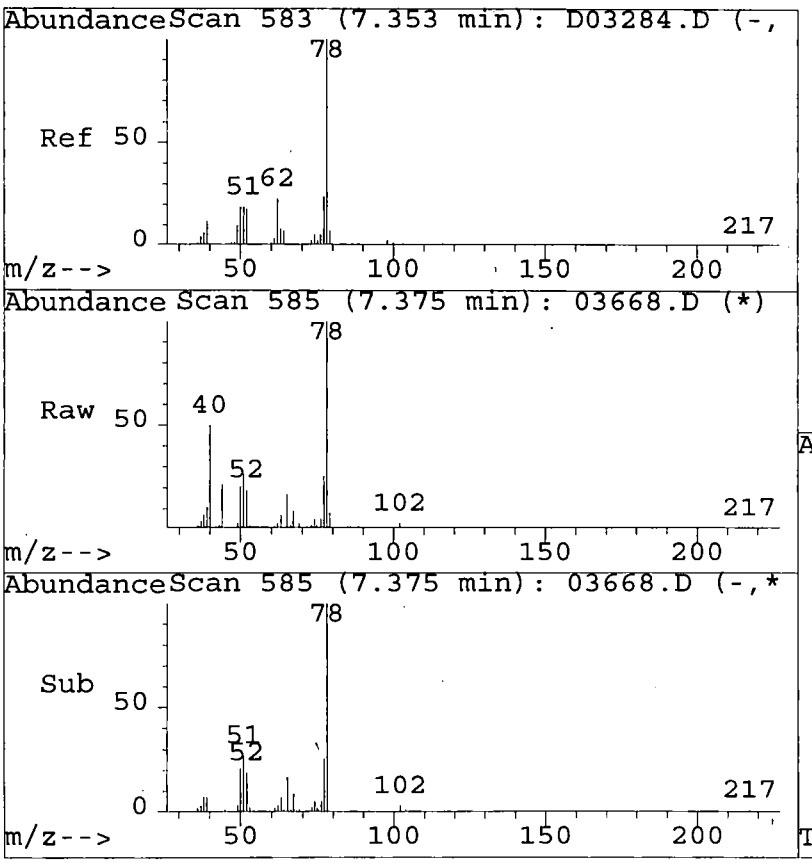


#23
cis-1,2-Dichloroethene
Concen: 11.57 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:61 Resp: 39337

Ion	Ratio	Lower	Upper
61	100		
96	65.5	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

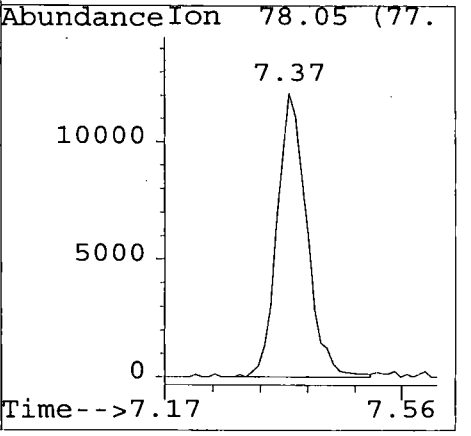


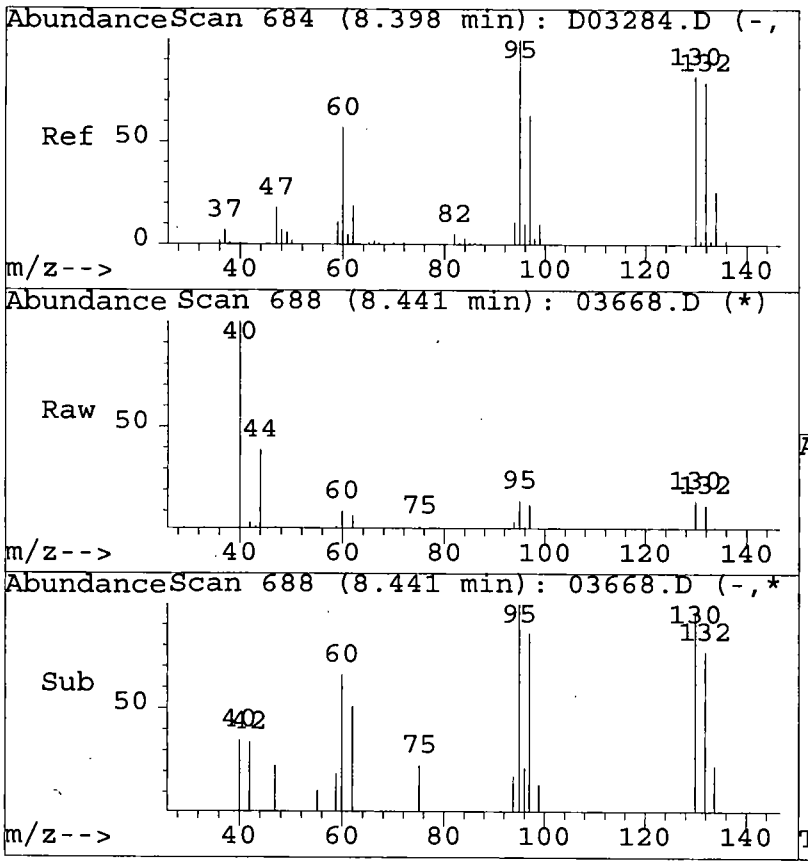


#38
Benzene
Concen: 4.94 ug/L
RT: 7.37 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:78.05 Resp: 41068

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

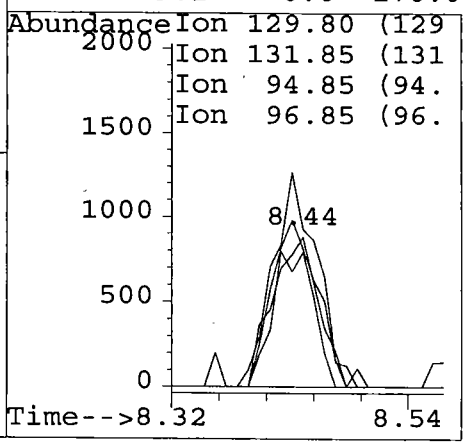


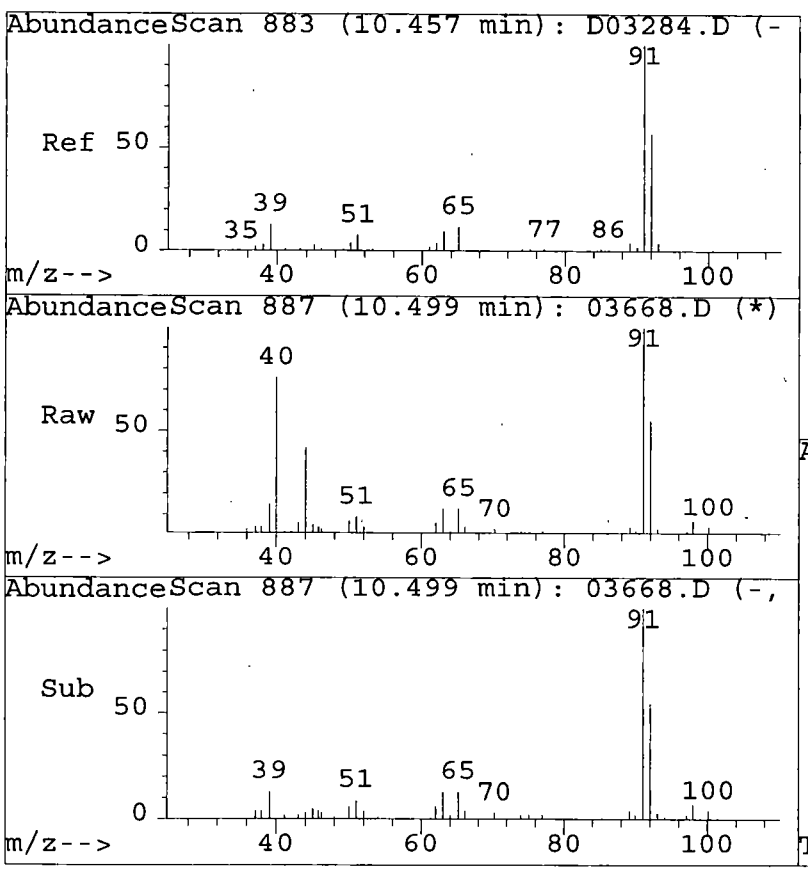


#39
Trichloroethene
Concen: 1.69 ug/L
RT: 8.44 min Scan# 688
Delta R.T. 0.03 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:129.8 Resp: 2770

Ion	Ratio	Lower	Upper
130	100		
132	108.4	0.0	195.8
95	130.0	19.7	219.7
97	79.1	0.0	176.0

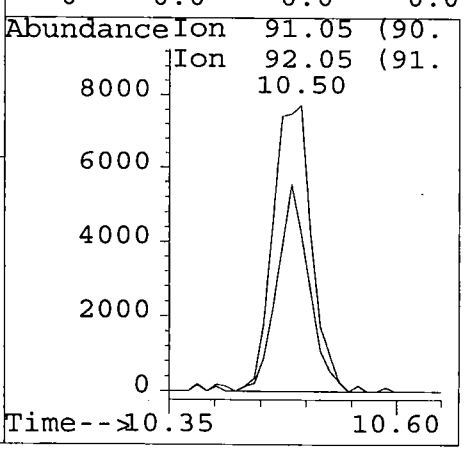


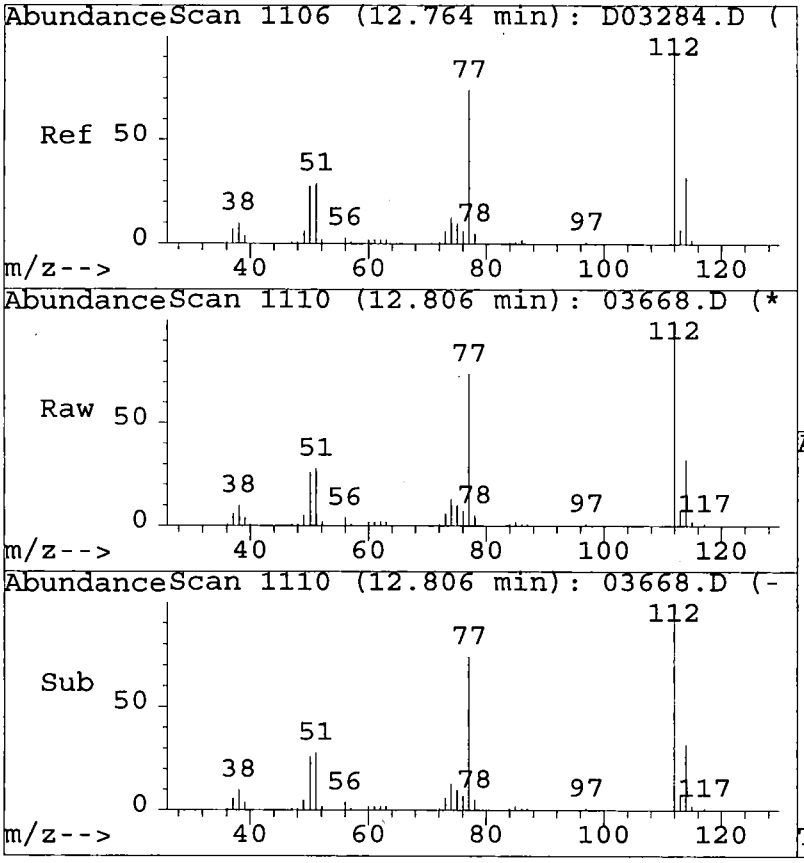


#48
Toluene
Concen: 2.65 ug/L
RT: 10.50 min Scan# 887
Delta R.T. 0.03 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:91.05 Resp: 22774

Ion	Ratio	Lower	Upper
91	100		
92	58.9	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

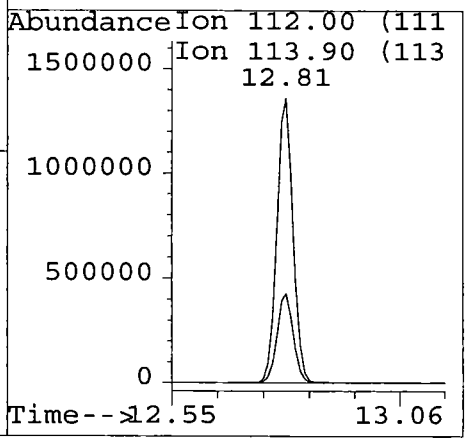


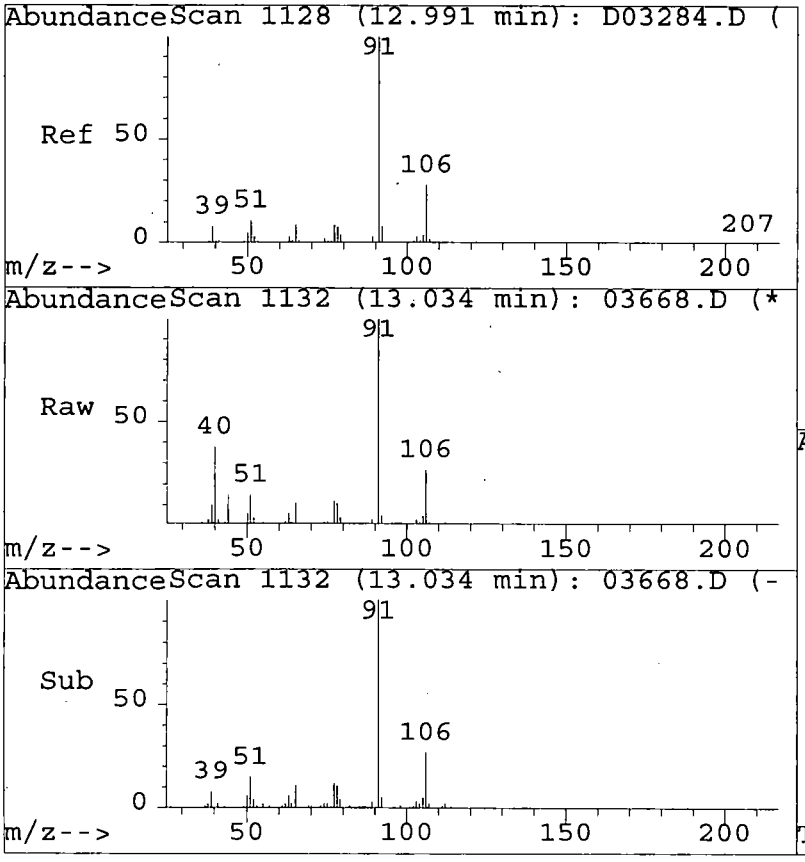


#59
Chlorobenzene
Concen: 729.98 ug/L
RT: 12.81 min Scan# 1110
Delta R.T. 0.02 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:112 Resp: 3428641

Ion	Ratio	Lower	Upper
112	100		
114	31.7	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

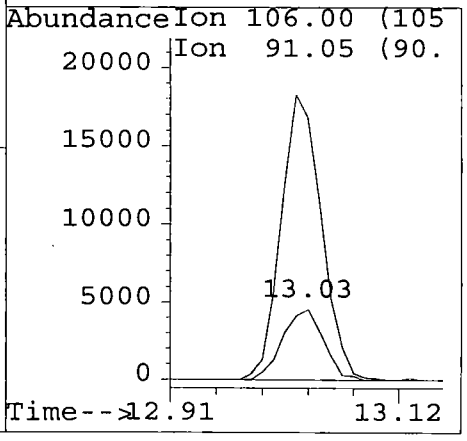


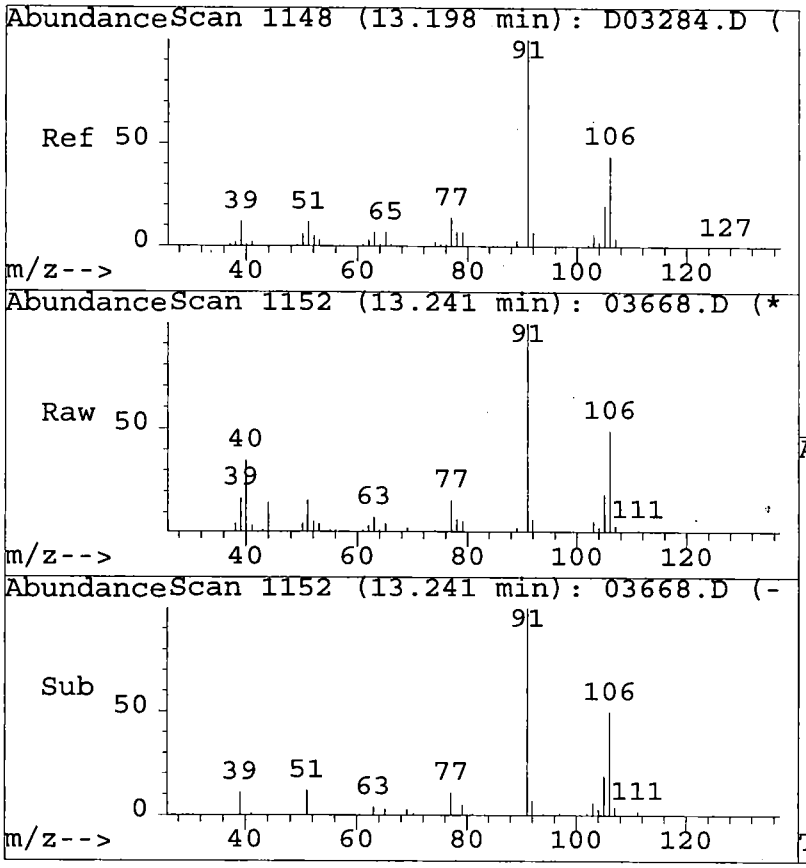


#61
Ethylbenzene
Concen: 4.61 ug/L
RT: 13.03 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:106 Resp: 11585

Ion	Ratio	Lower	Upper
106	100		
91	397.7	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

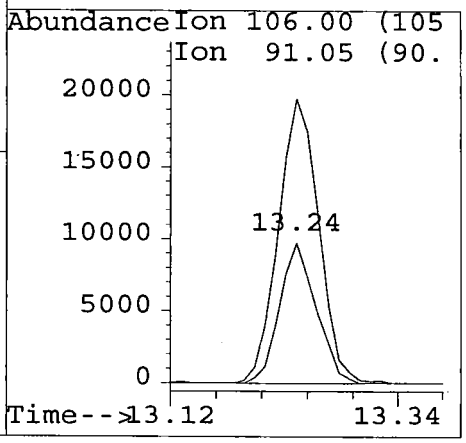


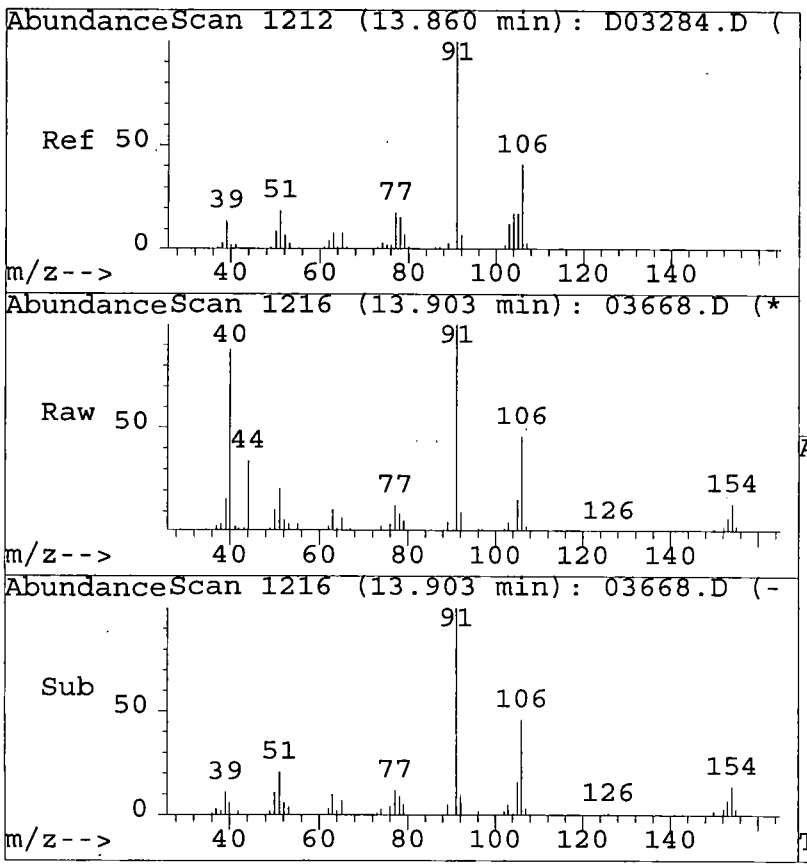


#62
Meta + Para Xylene
Concen: 6.99 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:106 Resp: 24040

Ion	Ratio	Lower	Upper
106	100		
91	224.0	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

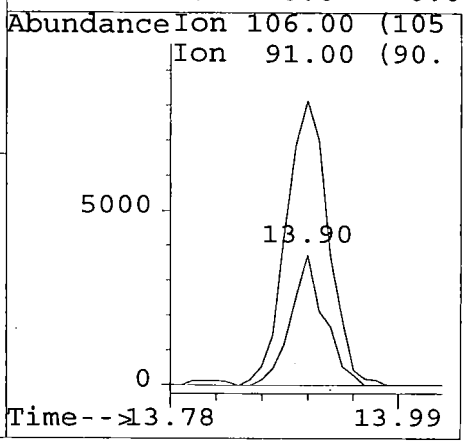


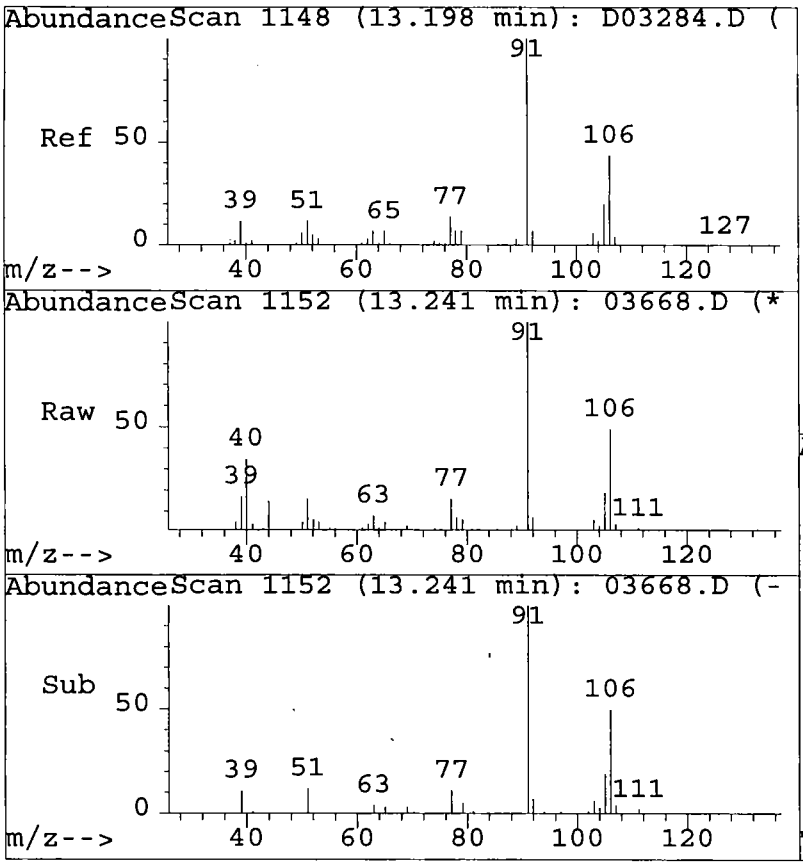


#63
Ortho Xylene
Concen: 2.51 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:106 Resp: 7963

Ion	Ratio	Lower	Upper
106	100		
91	271.6	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

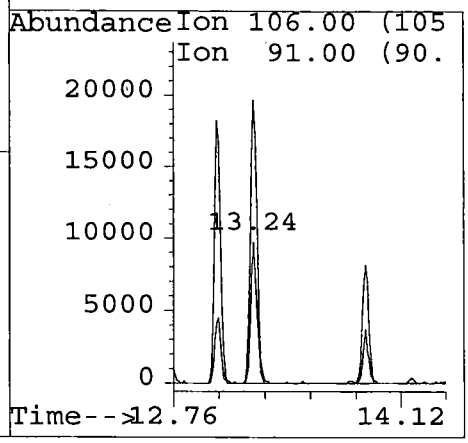




#64
Xylene (total)
Concen: 9.54 ug/L m
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03668.d
Acq: 5 May 98 4:54 pm

Tgt Ion:106 Resp: 32001

Ion	Ratio	Lower	Upper
106	100		
91	227.5	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03669.d
Acq On : 5 May 98 5:25 pm
Sample : TLCEDW1*7
Misc : DIL5.0
Quant Time: May 12 17:47 1998

Vial: 15
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	611230	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.05	650	1293892	50.00	ug/L	0.02
52) Chlorobenzene-d5	12.76	1105	1143471	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	532817	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.28	576	543186	46.64	ug/L	93.28%
32) Dibromofluoromethane	6.79	528	366296	44.62	ug/L	89.24%
47) Toluene-d8	10.39	876	1579828	46.54	ug/L	93.08%
51) Bromofluorobenzene	14.79	1302	586527	45.69	ug/L	91.38%
Target Compounds						Qvalue
38) Benzene	7.38	585	68416	7.81	ug/L	100
48) Toluene	10.49	886	998236	110.24	ug/L	100
59) Chlorobenzene	12.81	1110	3421160	*690.68	ug/L	100
61) Ethylbenzene	13.03	1131	8488	3.20	ug/L	99
62) Meta + Para Xylene	13.23	1151	19096	5.26	ug/L	93
63) Ortho Xylene	13.90	1216	9020	2.70	ug/L	88
~~64) Xylene (total)~~	~~13.23~~	~~1151~~	~~28116~~	~~7.95~~	~~ug/L m~~	95
75) 4-Chlorotoluene	15.58	1378	59715	8.34	ug/L	94

* reported w/Next data 03657
05/13/98

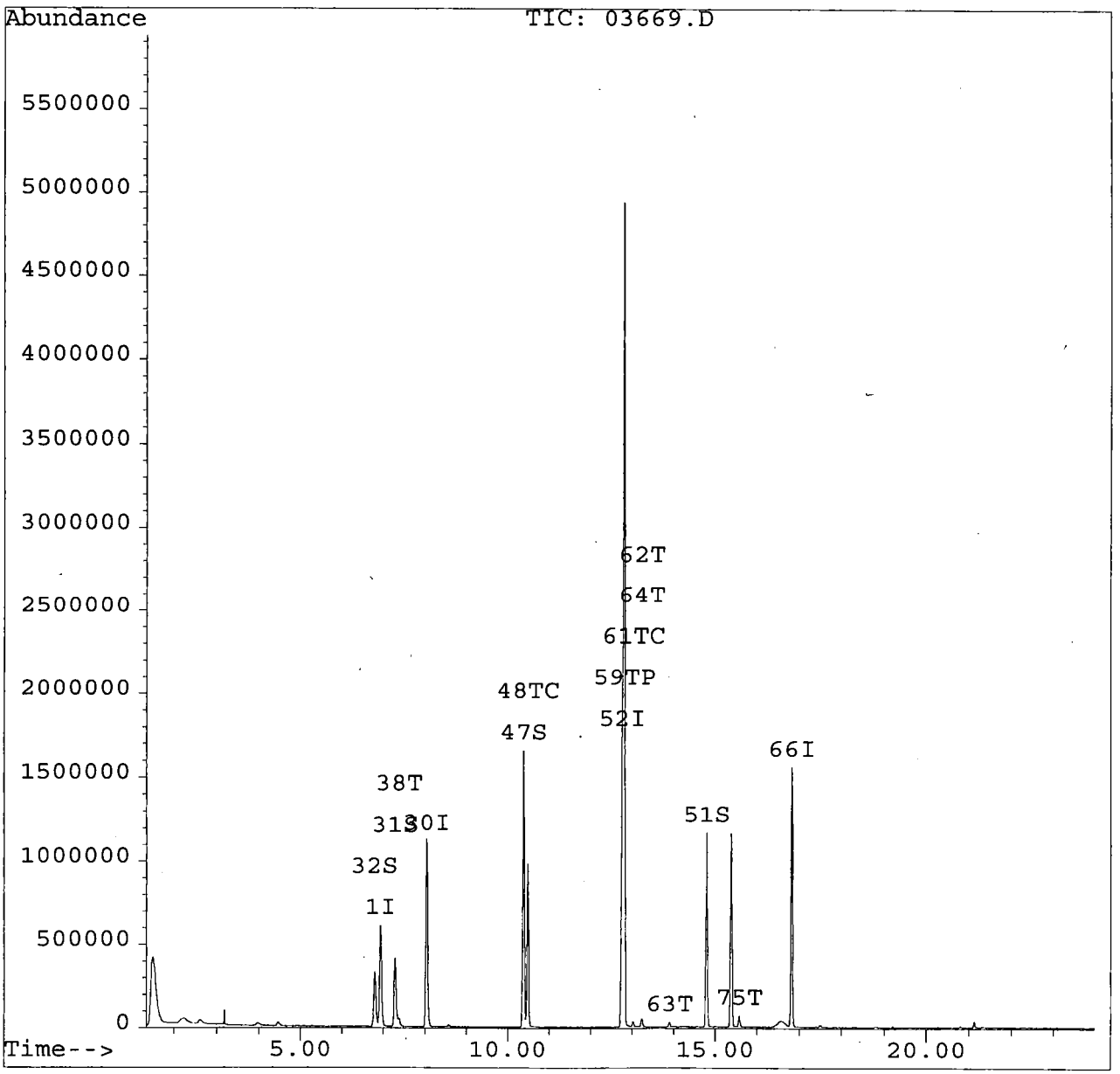
(#) = qualifier out of range (m) = manual integration

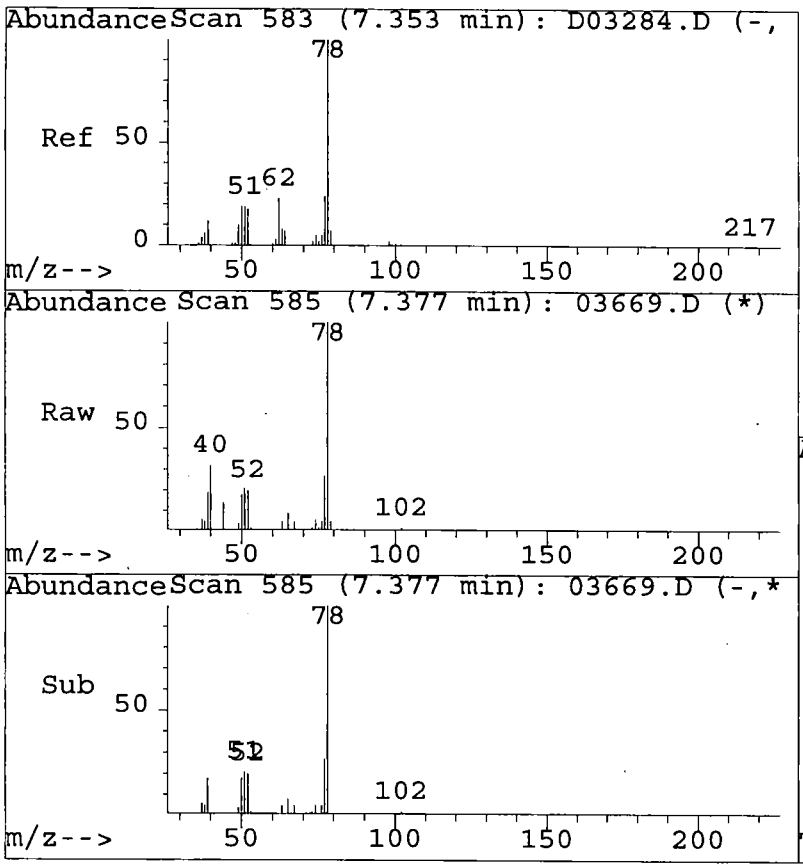
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03669.d
Acq On : 5 May 98 5:25 pm
Sample : TLCEDW1*7
Misc : DIL5.0
Quant Time: May 12 17:47 1998

Vial: 15
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

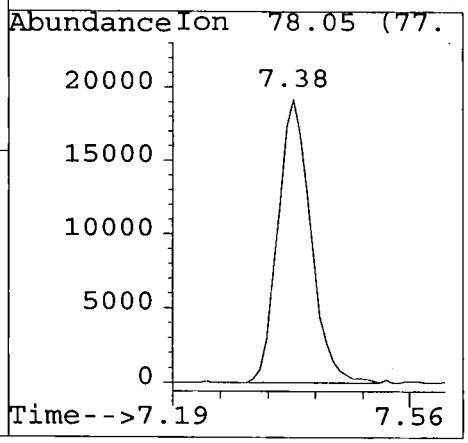


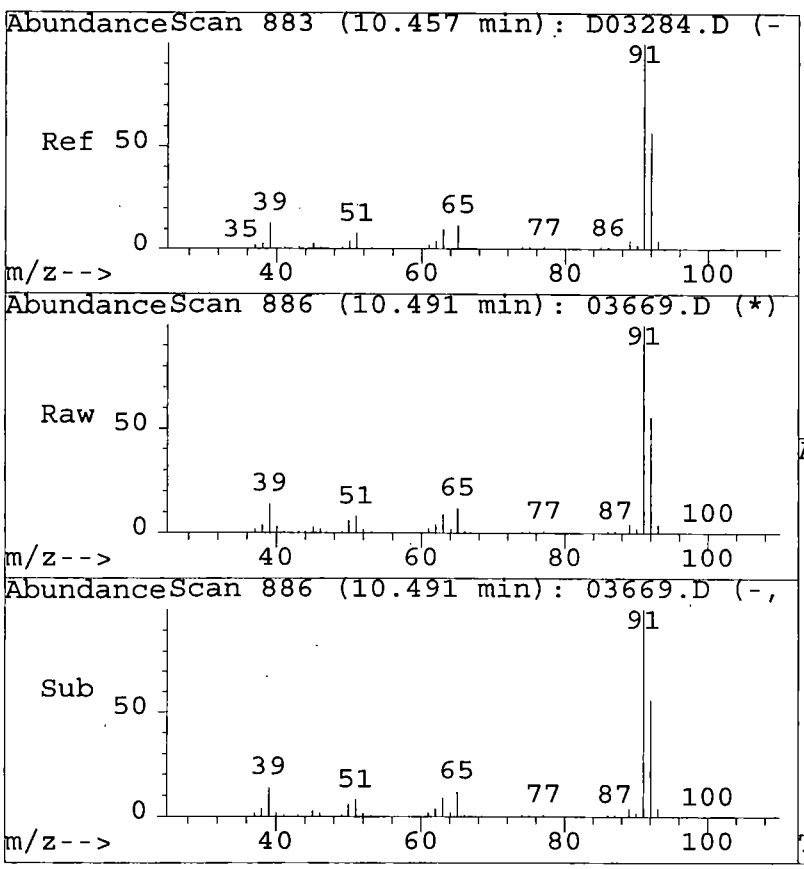


#38
Benzene
Concen: 7.81 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:78.05 Resp: 68416

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

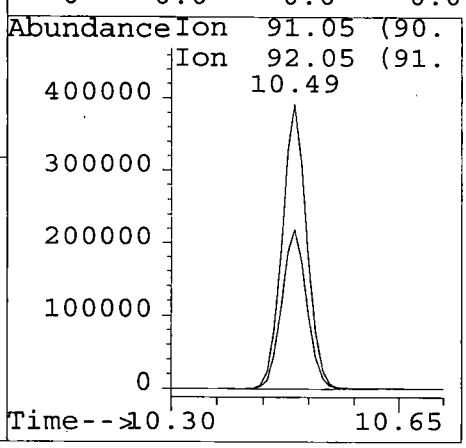


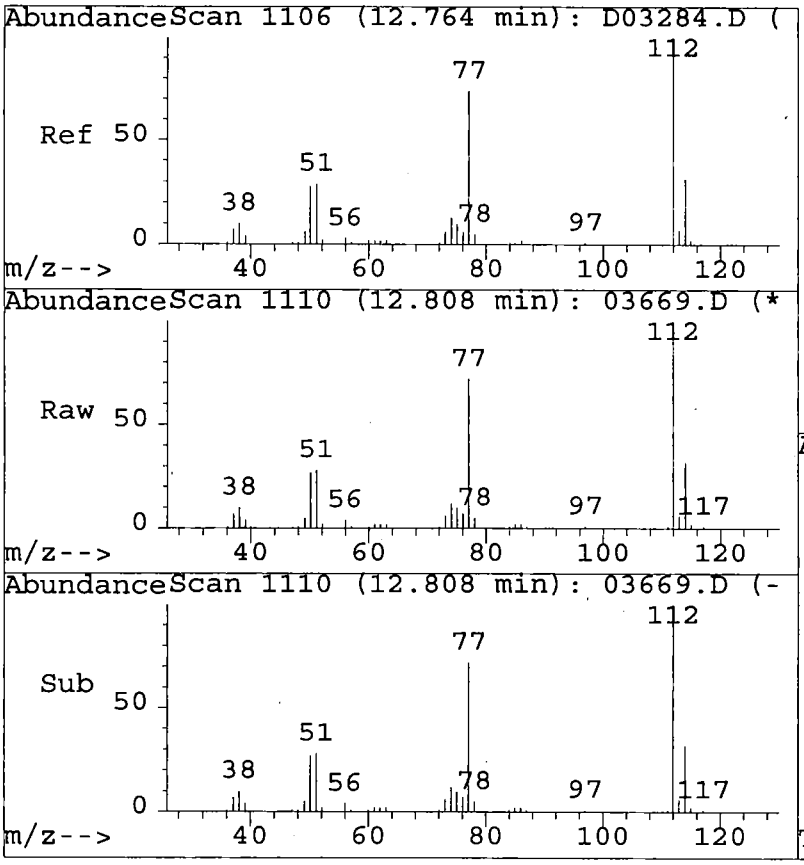


#48
Toluene
Concen: 110.24 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:91.05 Resp: 998236

Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

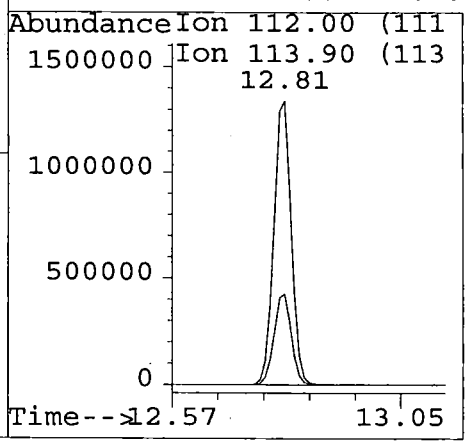


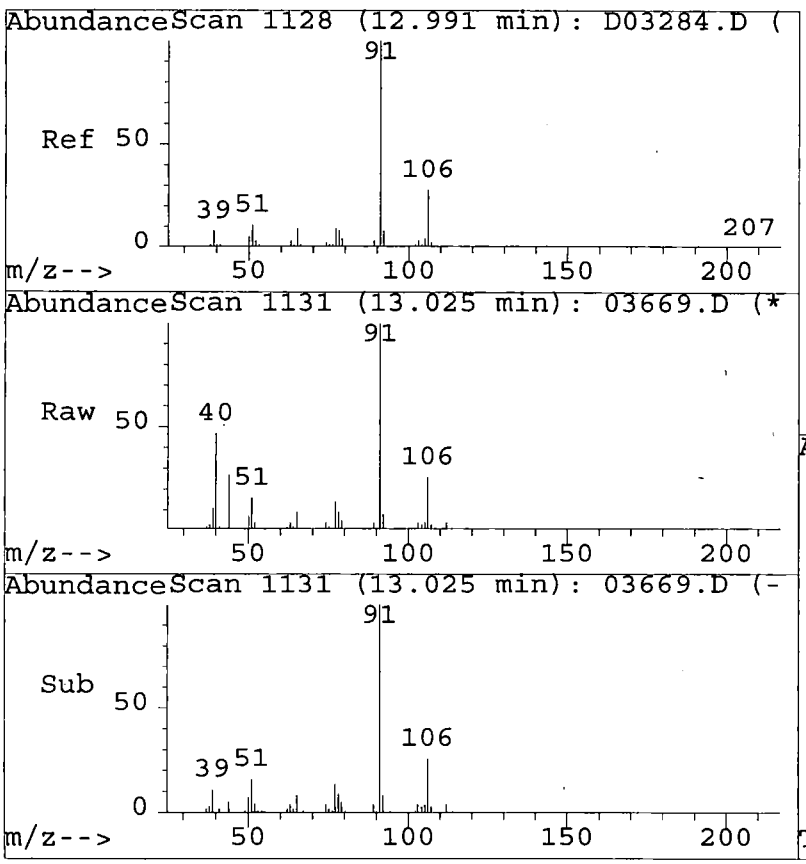


#59
Chlorobenzene
Concen: 690.68 ug/L
RT: 12.81 min Scan# 1110
Delta R.T. 0.02 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:112 Resp: 3421160

Ion	Ratio	Lower	Upper
112	100		
114	31.8	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

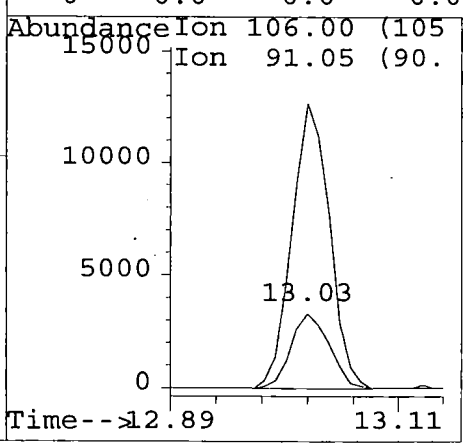


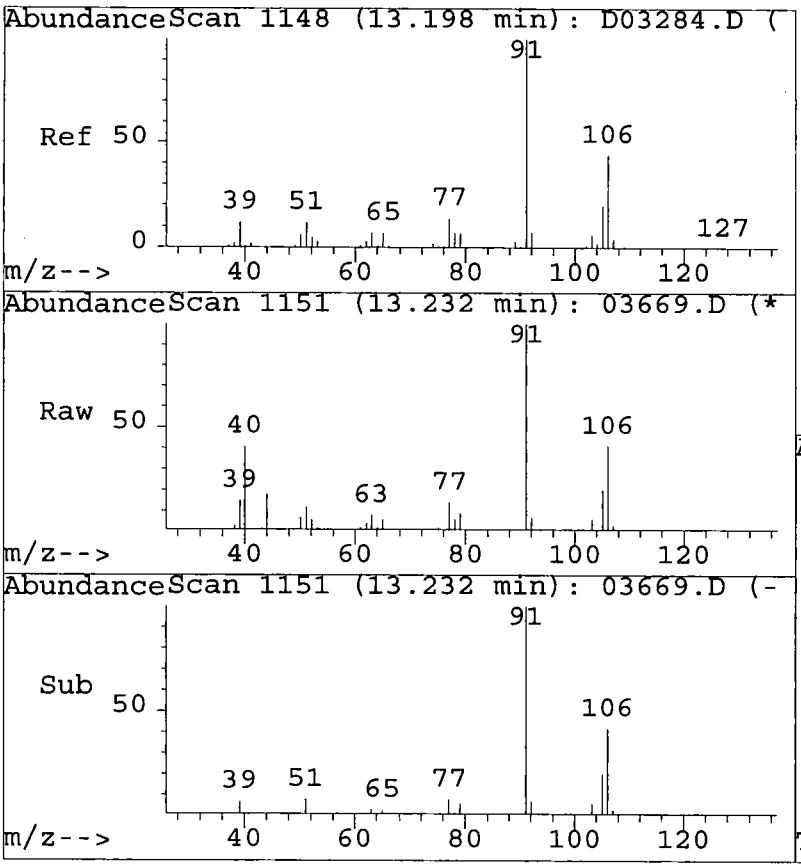


#61
Ethylbenzene
Concen: 3.20 ug/L
RT: 13.03 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:106 Resp: 8488

Ion	Ratio	Lower	Upper
106	100		
91	373.4	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

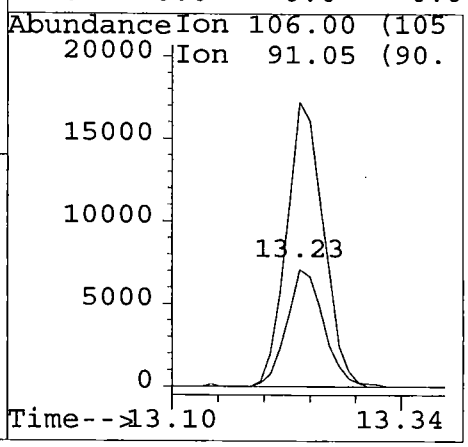


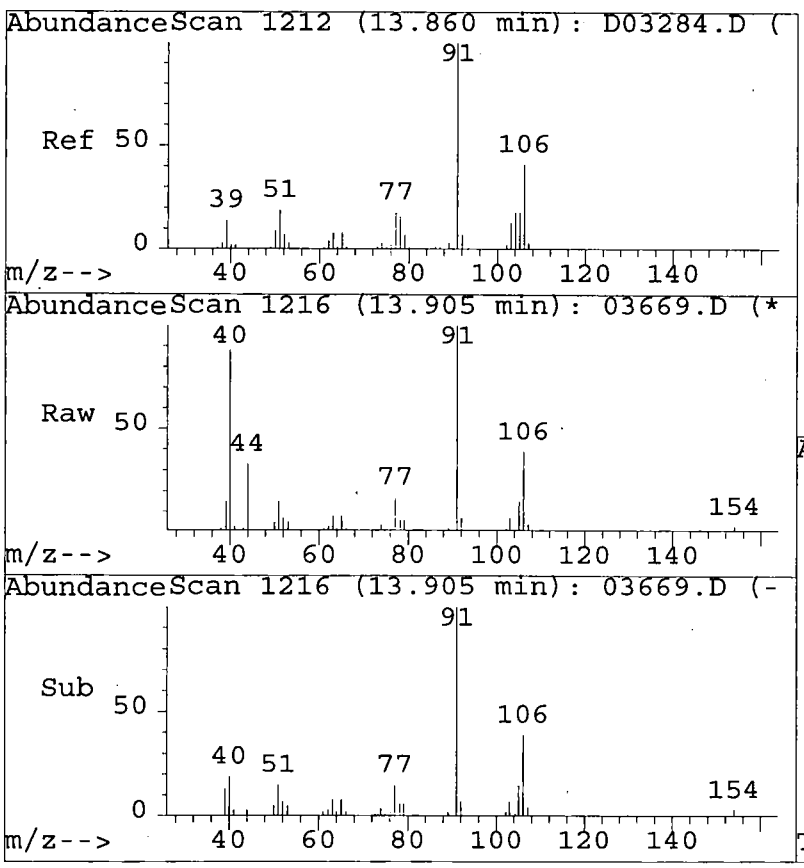


#62
Meta + Para Xylene
Concen: 5.26 ug/L
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:106 Resp: 19096

Ion	Ratio	Lower	Upper
106	100		
91	243.8	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

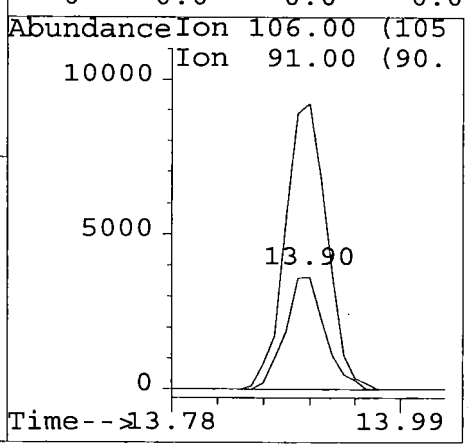


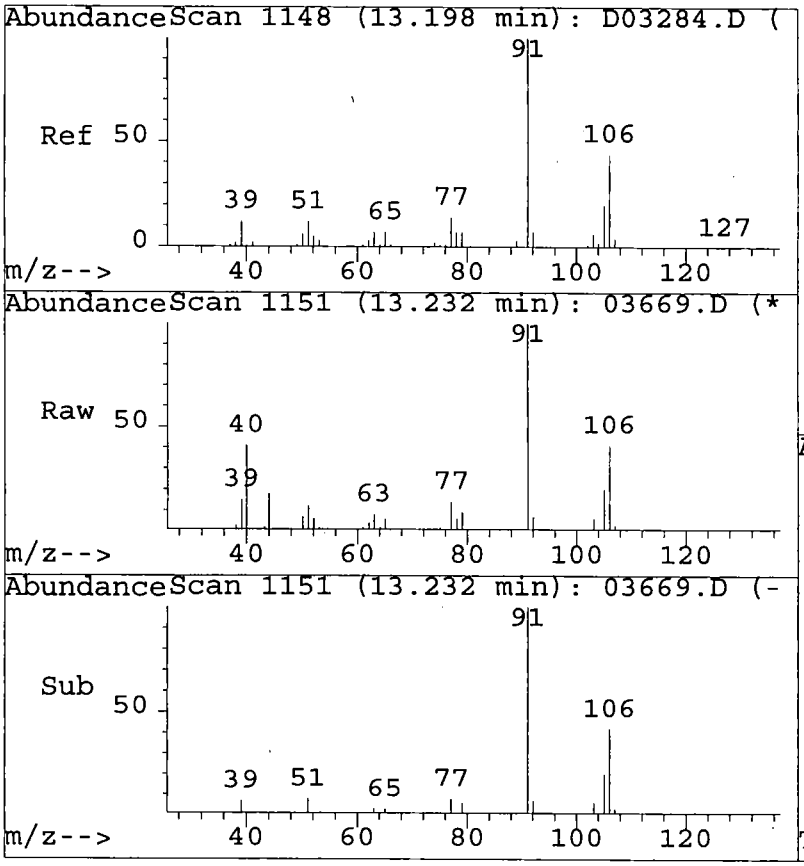


#63
Ortho Xylene
Concen: 2.70 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:106 Resp: 9020

Ion	Ratio	Lower	Upper
106	100		
91	264.0	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

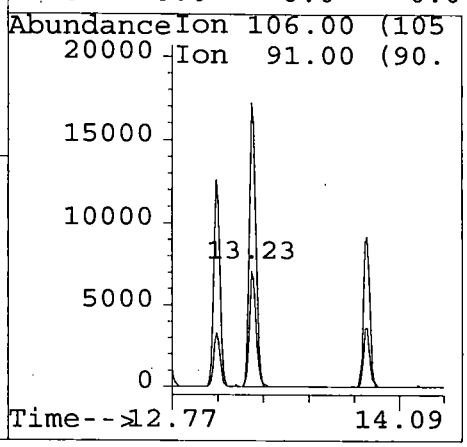


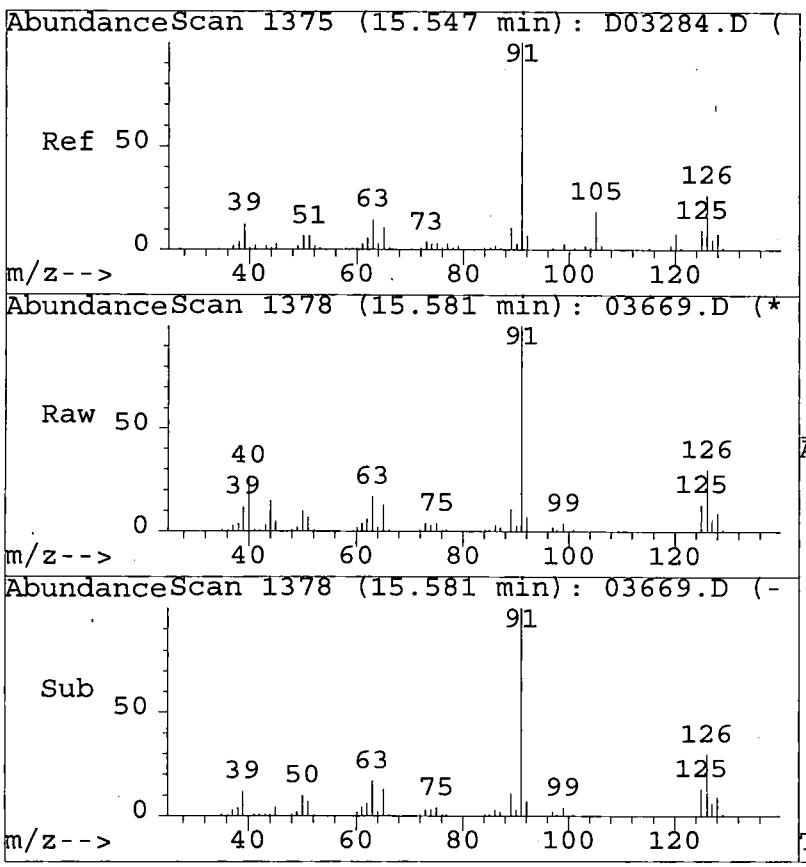


#64
Xylene (total)
Concen: 7.95 ug/L m
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:106 Resp: 28116

Ion	Ratio	Lower	Upper
106	100		
91	227.5	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

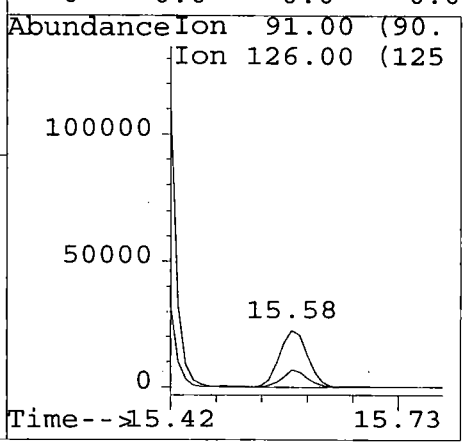




#75
4-Chlorotoluene
Concen: 8.34 ug/L
RT: 15.58 min Scan# 1378
Delta R.T. 0.01 min
Lab File: 03669.d
Acq: 5 May 98 5:25 pm

Tgt Ion:91 Resp: 59715

Ion	Ratio	Lower	Upper
91	100		
126	27.1	19.3	28.9
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03670.d Vial: 16
Acq On : 5 May 98 5:55 pm Operator:
Sample : TLCEDW1*9 Inst : VOA8
Misc : DIL5.0 Multiplr: 5.00
Quant Time: May 12 17:48 1998

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.94	543	611379	50.00 ug/L	0.02
30) 1,4-Difluorobenzene	8.06	651	1222089	50.00 ug/L	0.03
52) Chlorobenzene-d5	12.78	1107	1089728	50.00 ug/L	0.03
66) 1,4-Dichlorobenzene-d4	16.84	1500	502315	50.00 ug/L	0.03
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.29	577	512356	46.58 ug/L	93.16%
32) Dibromofluoromethane	6.80	529	345843	44.60 ug/L	89.21%
47) Toluene-d8	10.40	877	1510925	47.12 ug/L	94.25%
51) Bromofluorobenzene	14.81	1303	557665	45.99 ug/L	91.99%
Target Compounds					**Qvalue**
23) cis-1,2-Dichloroethene	6.01	453	4038	1.26 ug/L	87
38) Benzene	7.39	586	74750	9.03 ug/L	100
48) Toluene	10.51	888	6711	0.78 ug/L	99
59) Chlorobenzene	12.82	1111	3705358	~~*~~784.95 ug/L	100
63) Ortho Xylene	13.93	1218	2240	0.70 ug/L	92
~~64) Xylene (total)~~	~~13.93~~	~~1218~~	~~2645~~	~~0.78 ug/L m~~	0

Reported w/Neat run 03659
05/13/98

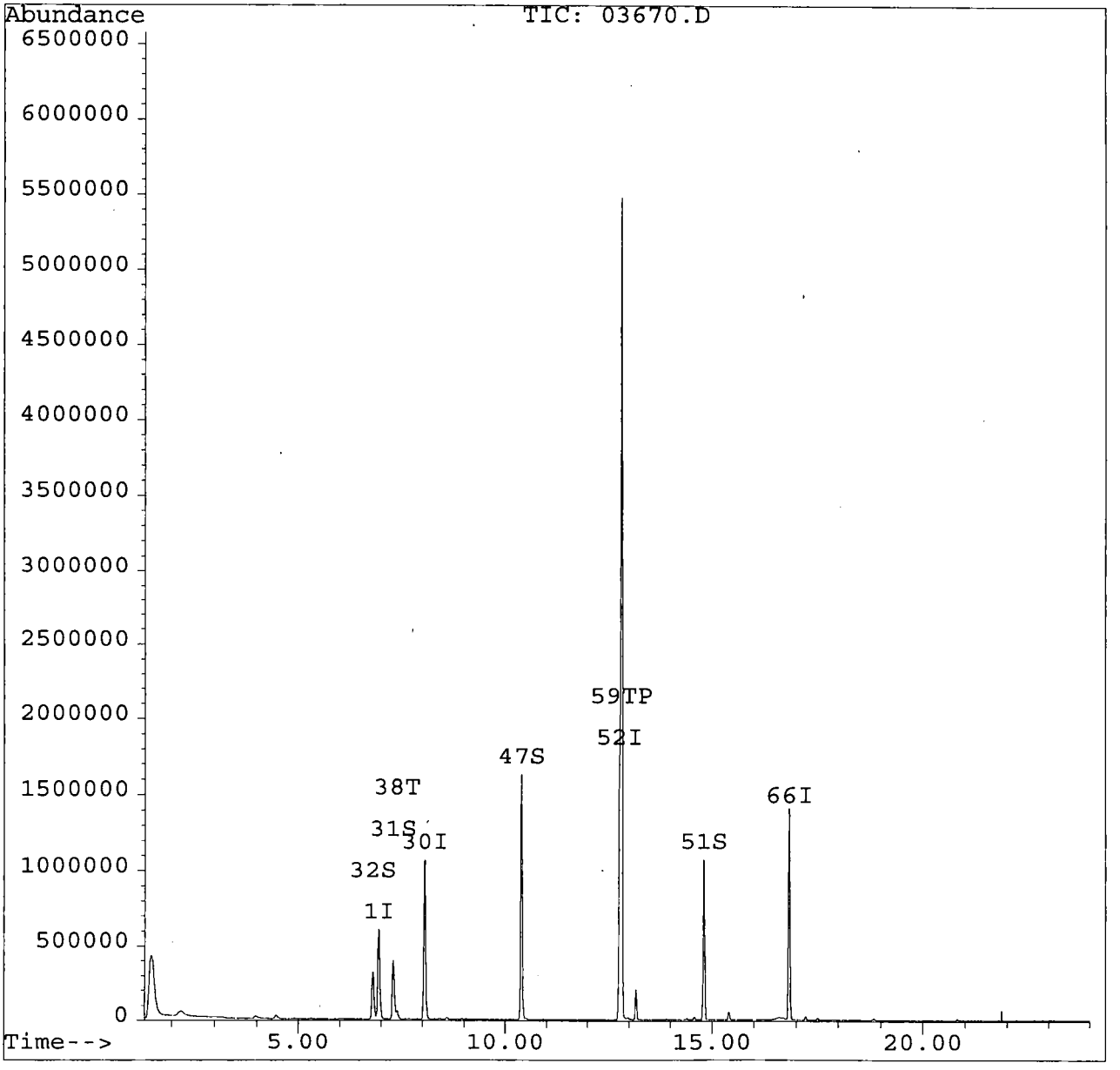
(#) = qualifier out of range (m) = manual integration

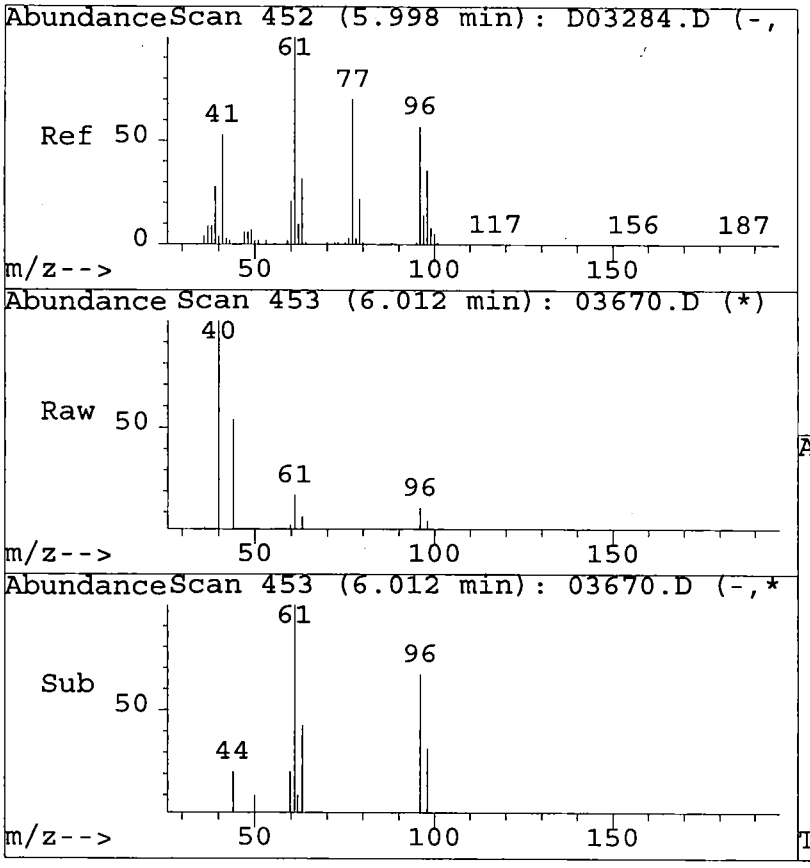
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03670.d
Acq On : 5 May 98 5:55 pm
Sample : TLCEDW1*9
Misc : DIL5.0
Quant Time: May 12 17:48 1998

Vial: 16
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

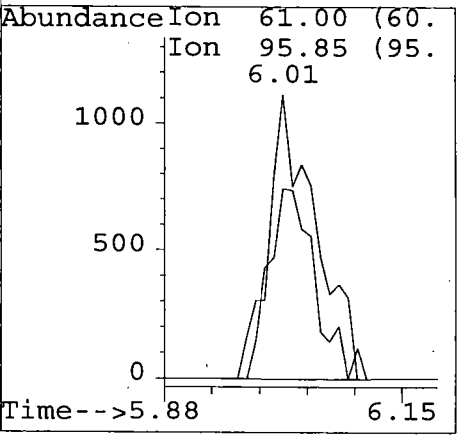


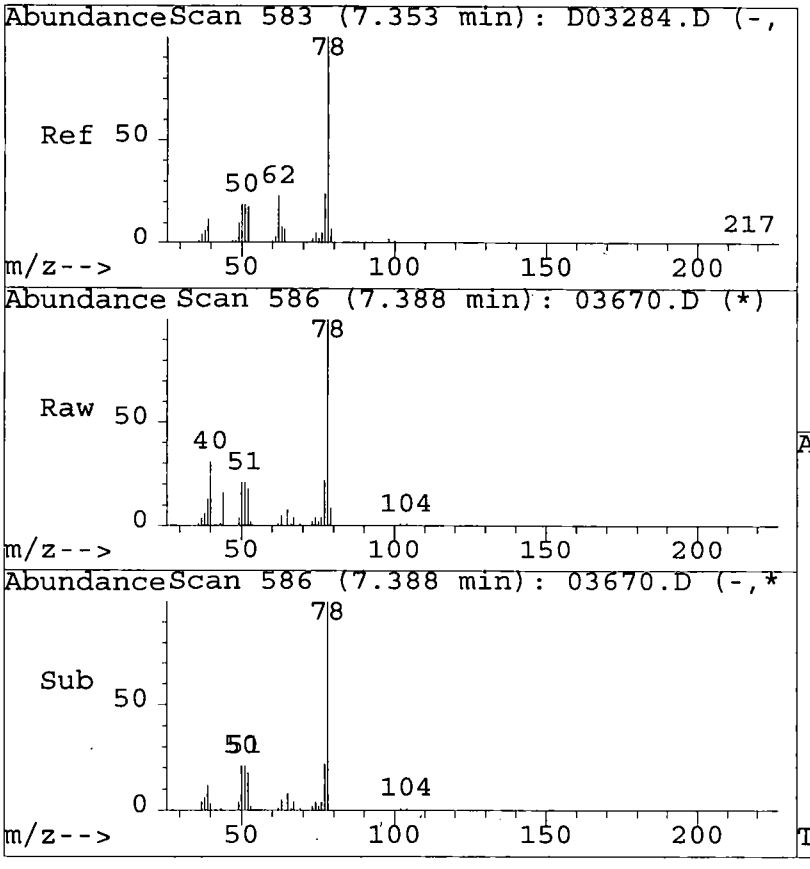


#23
cis-1,2-Dichloroethene
Concen: 1.26 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03670.d
Acq: 5 May 98 5:55 pm

Tgt Ion:61 Resp: 4038

Ion	Ratio	Lower	Upper
61	100		
96	66.4	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

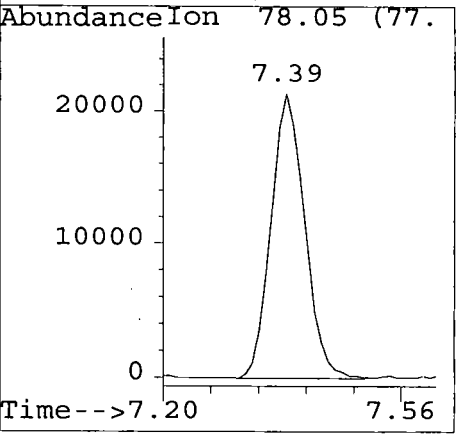


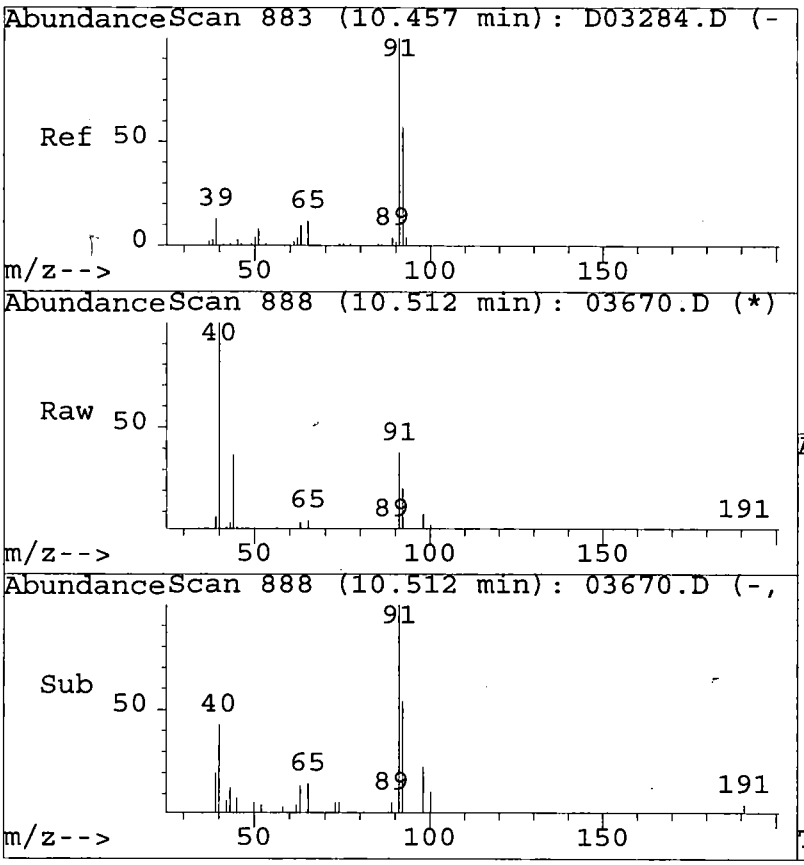


#38
Benzene
Concen: 9.03 ug/L
RT: 7.39 min Scan# 586
Delta R.T. 0.03 min
Lab File: 03670.d
Acq: 5 May 98 5:55 pm

Tgt Ion:78.05 Resp: 74750

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

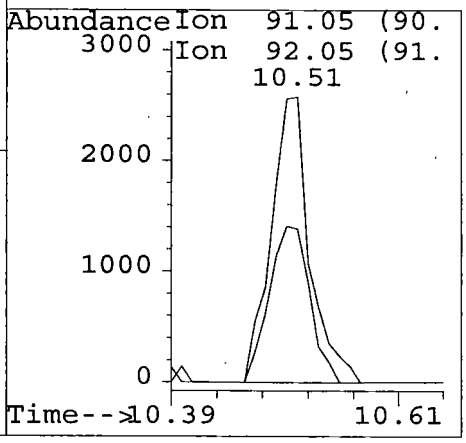


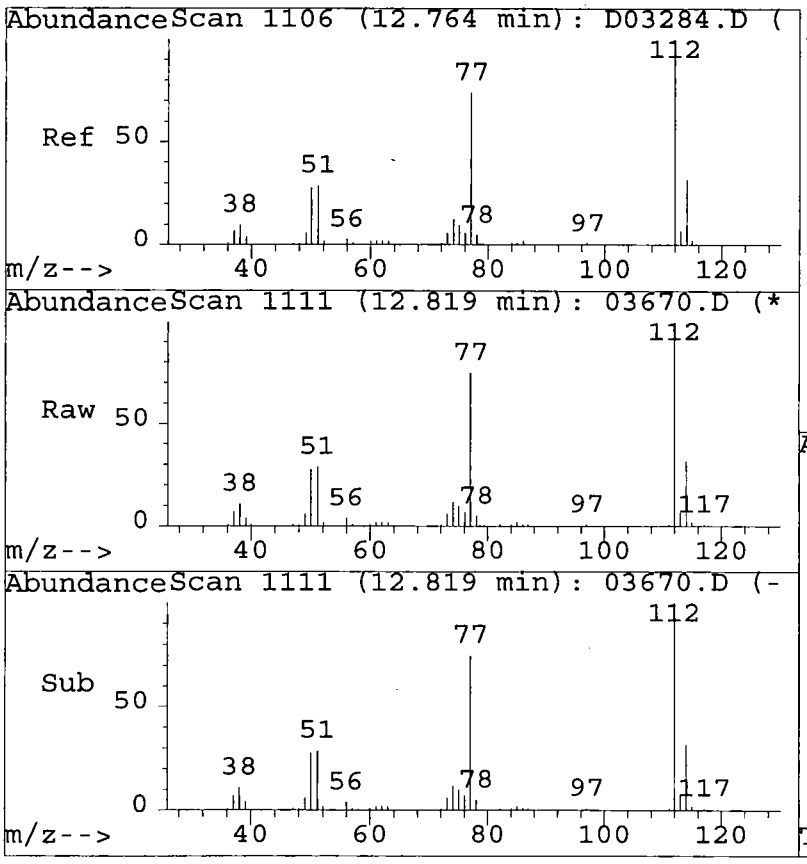


#48
Toluene
Concen: 0.78 ug/L
RT: 10.51 min Scan# 888
Delta R.T. 0.04 min
Lab File: 03670.d
Acq: 5 May 98 5:55 pm

Tgt Ion:91.05 Resp: 6711

Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

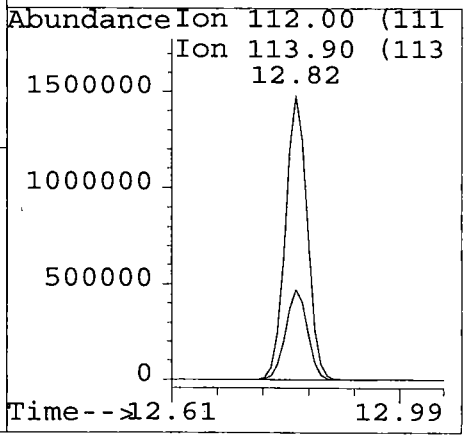


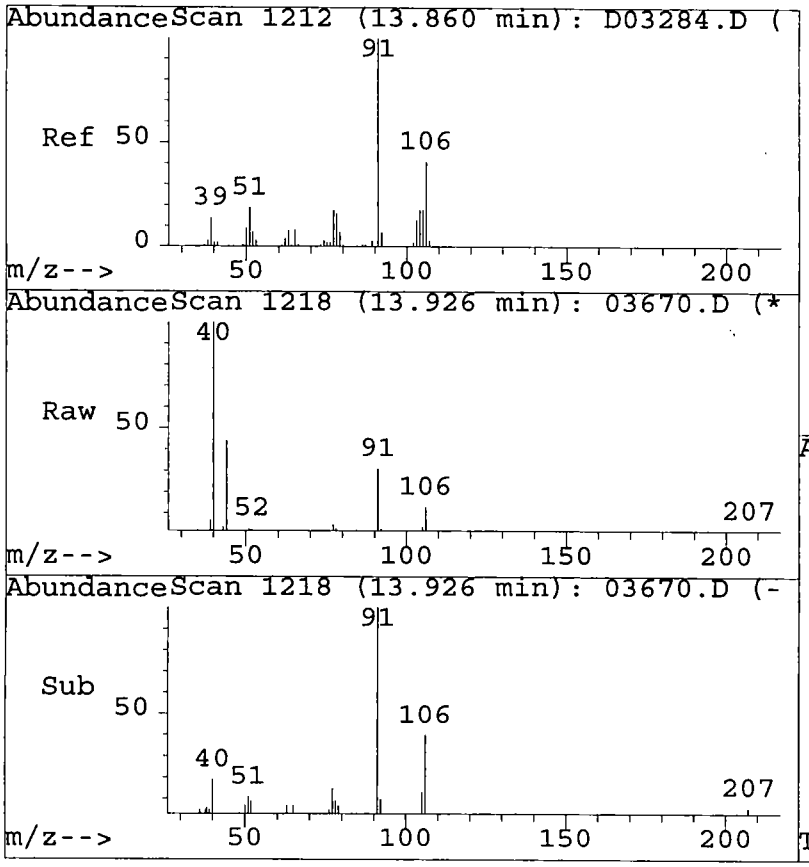


#59
Chlorobenzene
Concen: 784.95 ug/L
RT: 12.82 min Scan# 1111
Delta R.T. 0.03 min
Lab File: 03670.d
Acq: 5 May 98 5:55 pm

Tgt Ion:112 Resp: 3705358

Ion	Ratio	Lower	Upper
112	100		
114	31.8	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

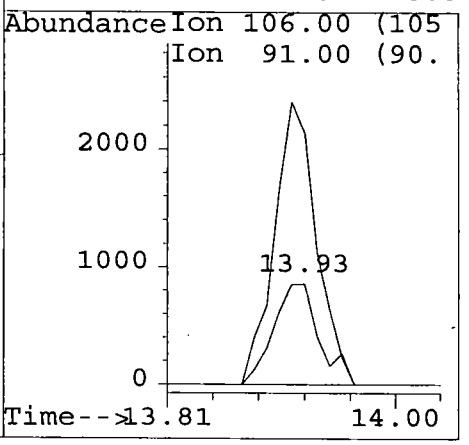


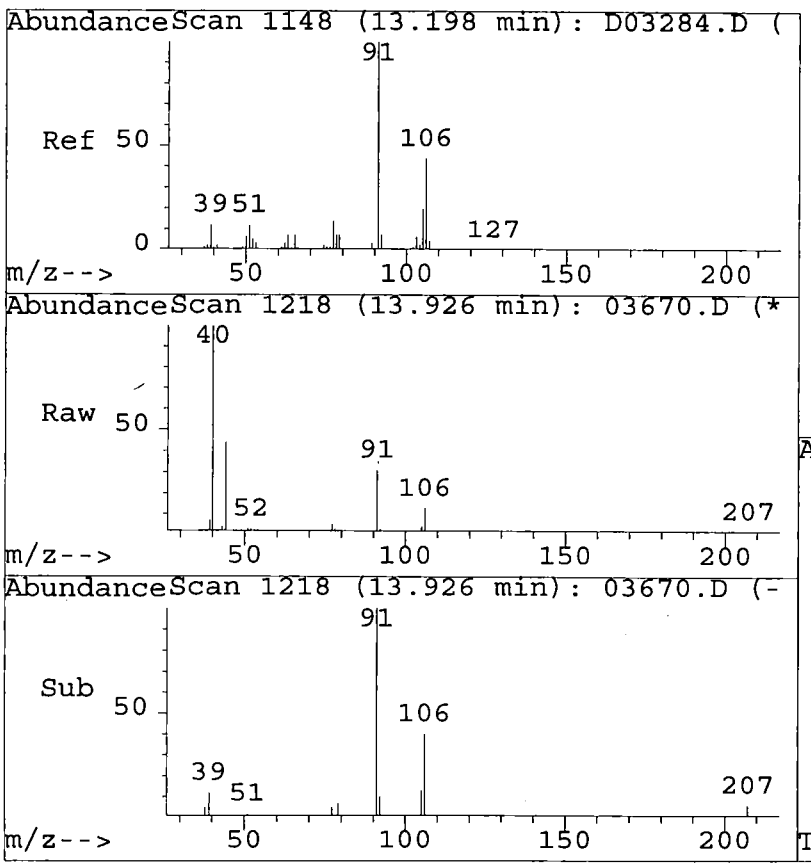


#63
Ortho Xylene
Concen: 0.70 ug/L
RT: 13.93 min Scan# 1218
Delta R.T. 0.03 min
Lab File: 03670.d
Acq: 5 May 98 5:55 pm

Tgt Ion:106 Resp: 2240

Ion	Ratio	Lower	Upper
106	100		
91	256.8	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

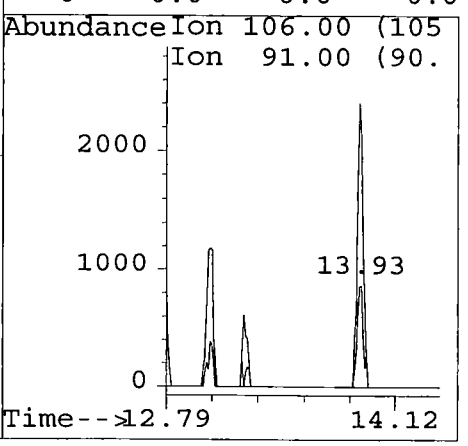




#64
Xylene (total)
Concen: 0.78 ug/L m
RT: 13.93 min Scan# 1218
Delta R.T. 0.70 min
Lab File: 03670.d
Acq: 5 May 98 5:55 pm

Tgt Ion:106 Resp: 2645

Ion	Ratio	Lower	Upper
106	100		
91	227.5	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03671.d
Acq On : 5 May 98 6:25 pm
Sample : TLCEDW1*10
Misc : DIL20
Quant Time: May 12 17:49 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 20.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.94	543	508111	50.00 ug/L	0.02
30) 1,4-Difluorobenzene	8.05	650	1033952	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.76	1105	950919	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	1498	441849	50.00 ug/L	0.01
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.30	577	485606	52.18 ug/L	104.36%
32) Dibromofluoromethane	6.81	530	300350	45.78 ug/L	91.57%
47) Toluene-d8	10.39	876	1142306	42.11 ug/L	84.22%
51) Bromofluorobenzene	14.80	1302	458508	44.70 ug/L	89.39%
Target Compounds					Qvalue
38) Benzene	7.40	587	44510	25.42 ug/L	100
48) Toluene	10.49	886	448914	*248.17 ug/L	98
59) Chlorobenzene	12.81	1110	1305189	*1267.42 ug/L	99
62) Meta + Para Xylene	13.24	1152	2478	3.28 ug/L	81
~~64) Xylene (total)~~	~~13.24~~	~~1152~~	~~3718~~	~~5.06 ug/L m~~	82

* reported w/Neat data 03660d

05/13/98

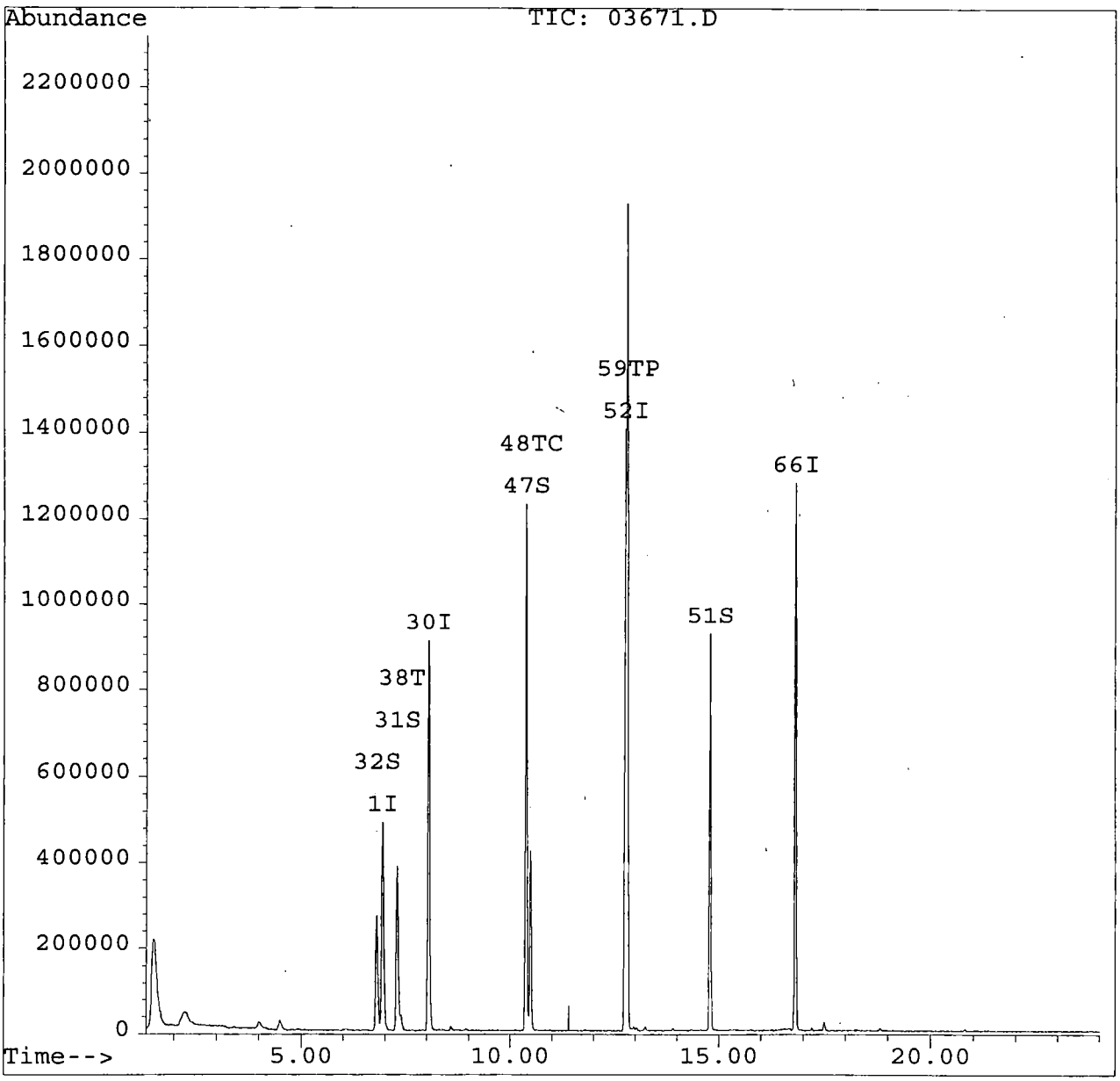
(#) = qualifier out of range (m) = manual integration

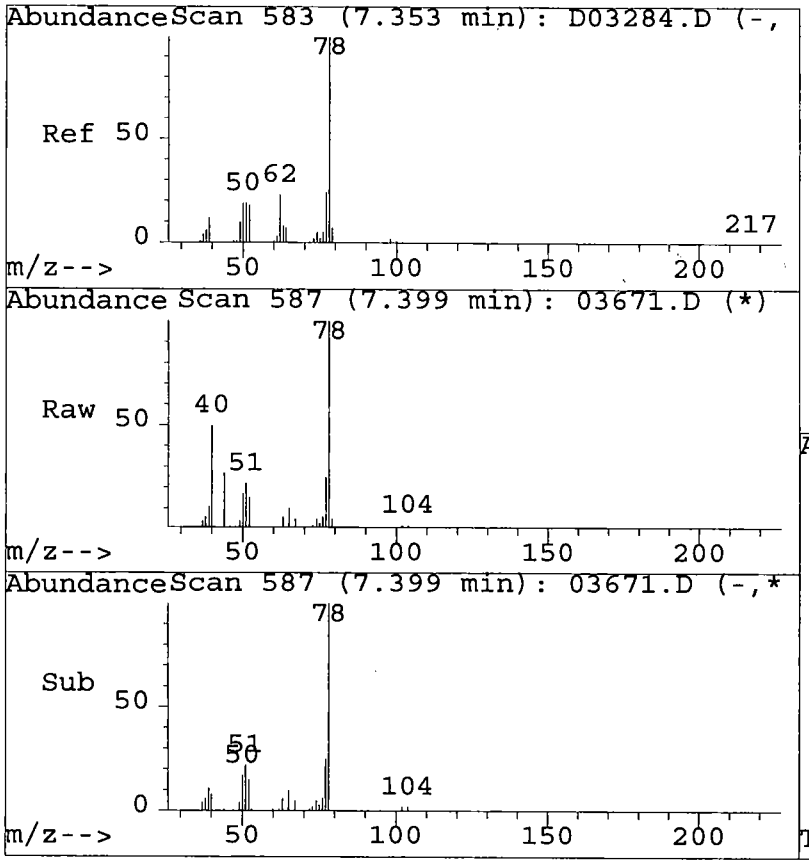
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03671.d
Acq On : 5 May 98 6:25 pm
Sample : TLCEDW1*10
Misc : DIL20
Quant Time: May 12 17:49 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 20.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

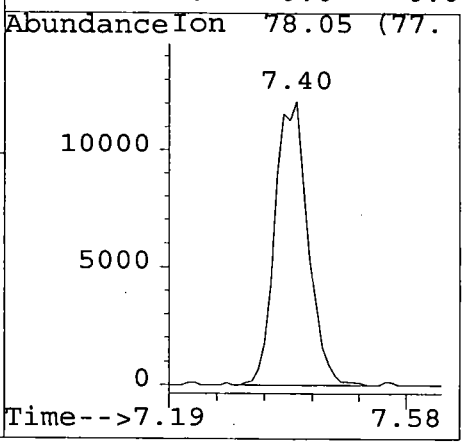


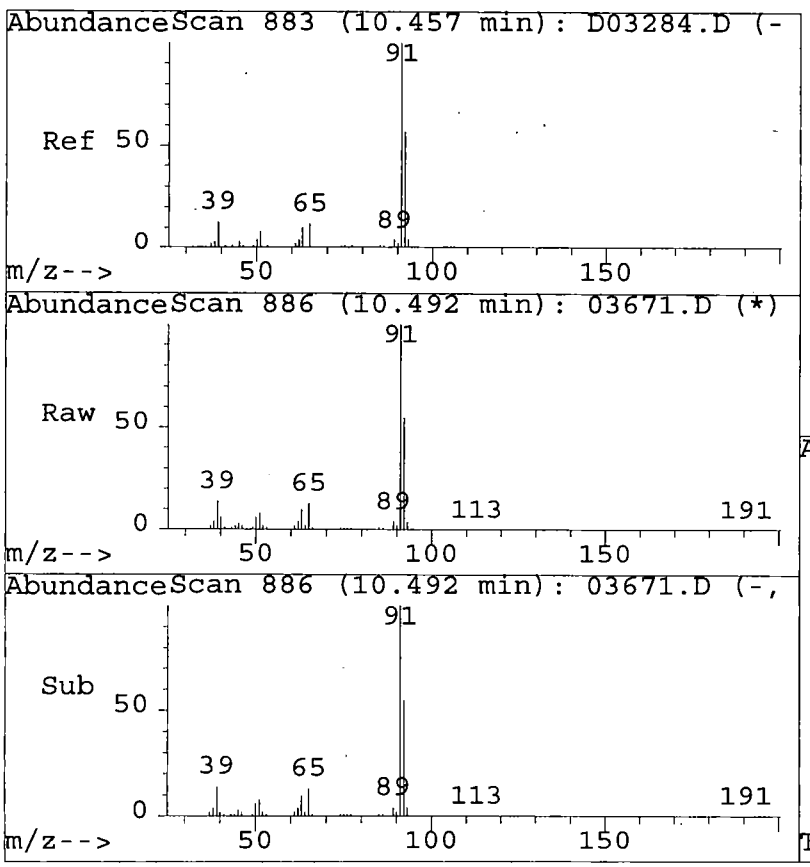


#38
Benzene
Concen: 25.42 ug/L
RT: 7.40 min Scan# 587
Delta R.T. 0.04 min
Lab File: 03671.d
Acq: 5 May 98 6:25 pm

Tgt Ion:78.05 Resp: 44510

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

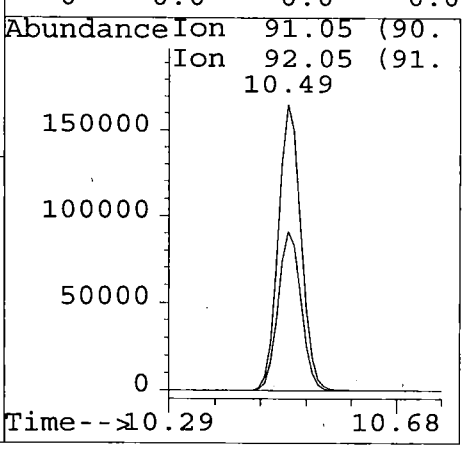


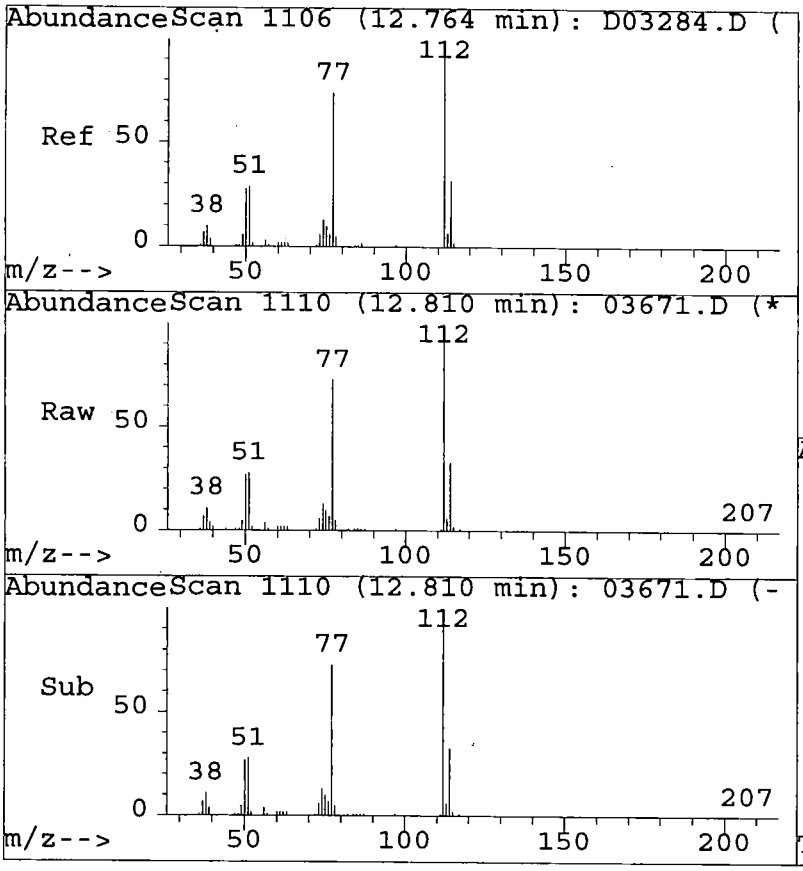


#48
Toluene
Concen: 248.17 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03671.d
Acq: 5 May 98 6:25 pm

Tgt Ion:91.05 Resp: 448914

Ion	Ratio	Lower	Upper
91	100		
92	56.0	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

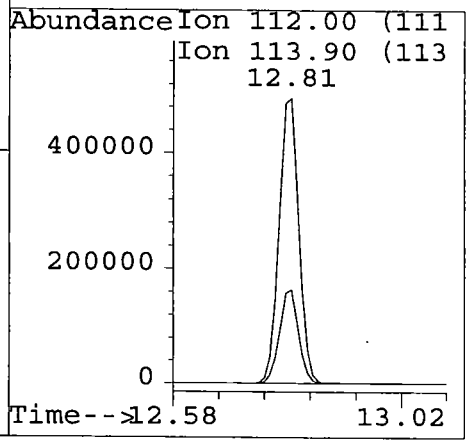


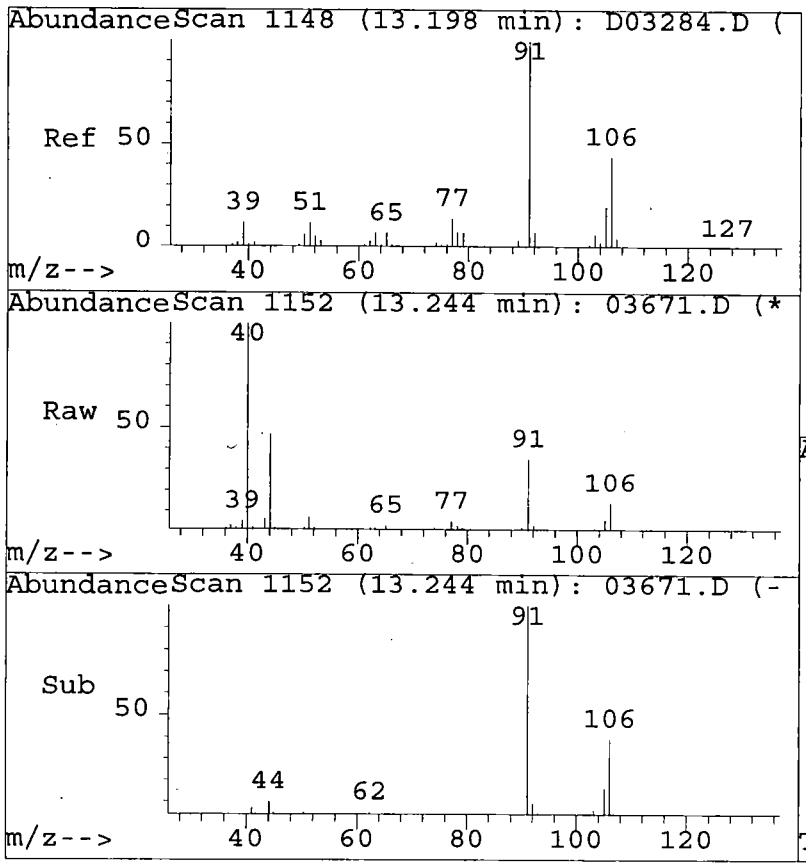


#59
Chlorobenzene
Concen: 1267.42 ug/L
RT: 12.81 min Scan# 1110
Delta R.T. 0.02 min
Lab File: 03671.d
Acq: 5 May 98 6:25 pm

Tgt Ion:112 Resp: 1305189

Ion	Ratio	Lower	Upper
112	100		
114	31.9	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

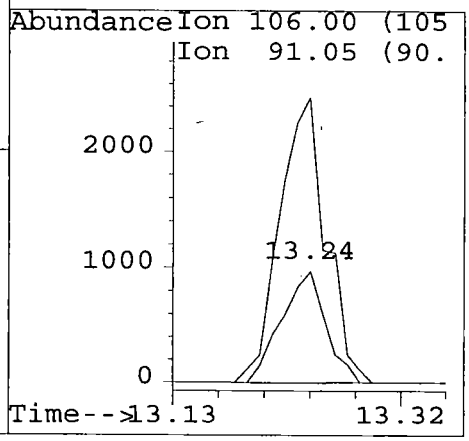


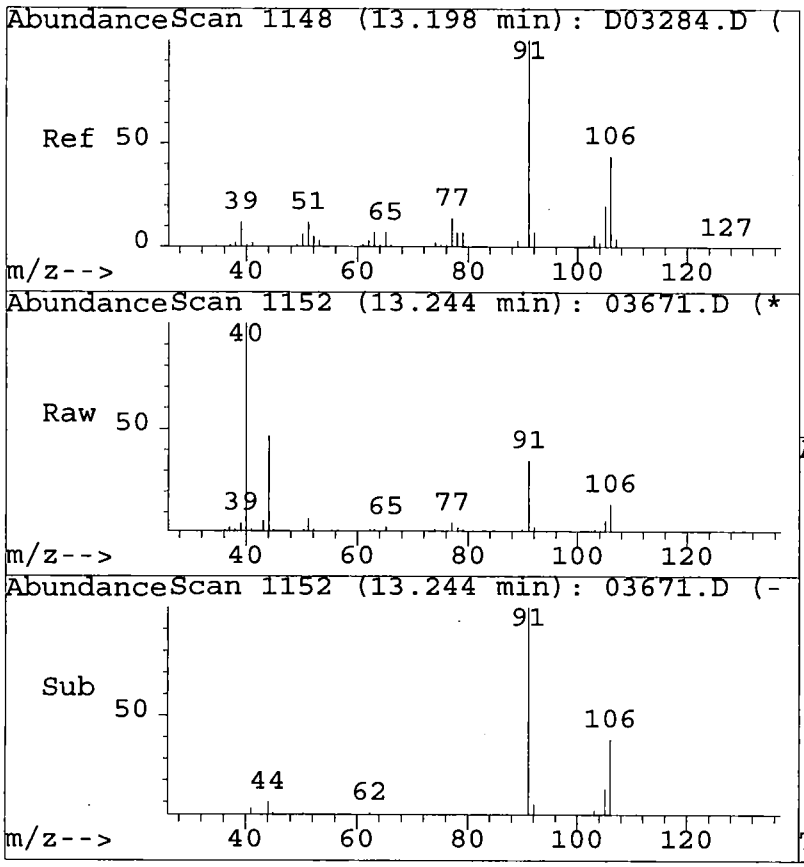


#62
Meta + Para Xylene
Concen: 3.28 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03671.d
Acq: 5 May 98 6:25 pm

Tgt Ion:106 Resp: 2478

Ion	Ratio	Lower	Upper
106	100		
91	264.2	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

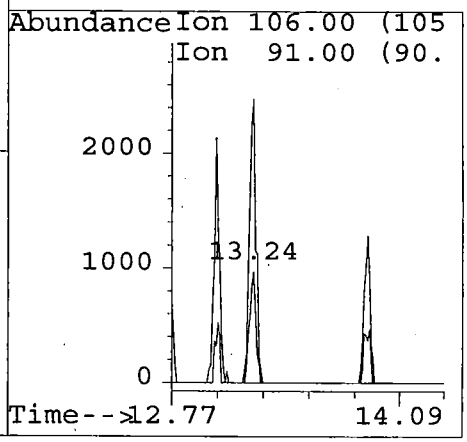




#64
Xylene (total)
Concen: 5.06 ug/L m
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03671.d
Acq: 5 May 98 6:25 pm

Tgt Ion:106 Resp: 3718

Ion	Ratio	Lower	Upper
106	100		
91	227.5	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03672.d
Acq On : 5 May 98 6:55 pm
Sample : TLCEDW1*11
Misc : DIL20
Quant Time: May 12 17:49 1998

Vial: 2
Operator:
Inst : VOA8
Multiplr: 20.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	617011	50.00	ug/L	0.01
30) 1,4-Difluorobenzene	8.04	649	1212797	50.00	ug/L	0.01
52) Chlorobenzene-d5	12.76	1105	1099140	50.00	ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	1498	494554	50.00	ug/L	0.01
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.29	576	557552	51.08	ug/L	102.15%
32) Dibromofluoromethane	6.79	528	352273	45.78	ug/L	91.56%
47) Toluene-d8	10.38	875	1510209	47.46	ug/L	94.92%
51) Bromofluorobenzene	14.80	1302	562926	46.78	ug/L	93.57%
Target Compounds						Qvalue
28) Chloroform	6.56	506	3205	3.68	ug/L	99
38) Benzene	7.39	586	7476	3.64	ug/L	100
48) Toluene	10.49	886	5091	2.40	ug/L	93
59) Chlorobenzene	12.80	1109	4537462 *	3811.97	ug/L	100
61) Ethylbenzene	13.02	1130	2474	3.88	ug/L	96
~~62) Meta + Para Xylene~~	~~13.23~~	~~1151~~	~~1659~~	~~1.90~~	~~ug/L~~ m	22
~~64) Xylene (total)~~	~~13.23~~	~~1151~~	~~2199~~	~~2.59~~	~~ug/L~~ m	24

* reported w/ Neat run 03661.d

05/13/98

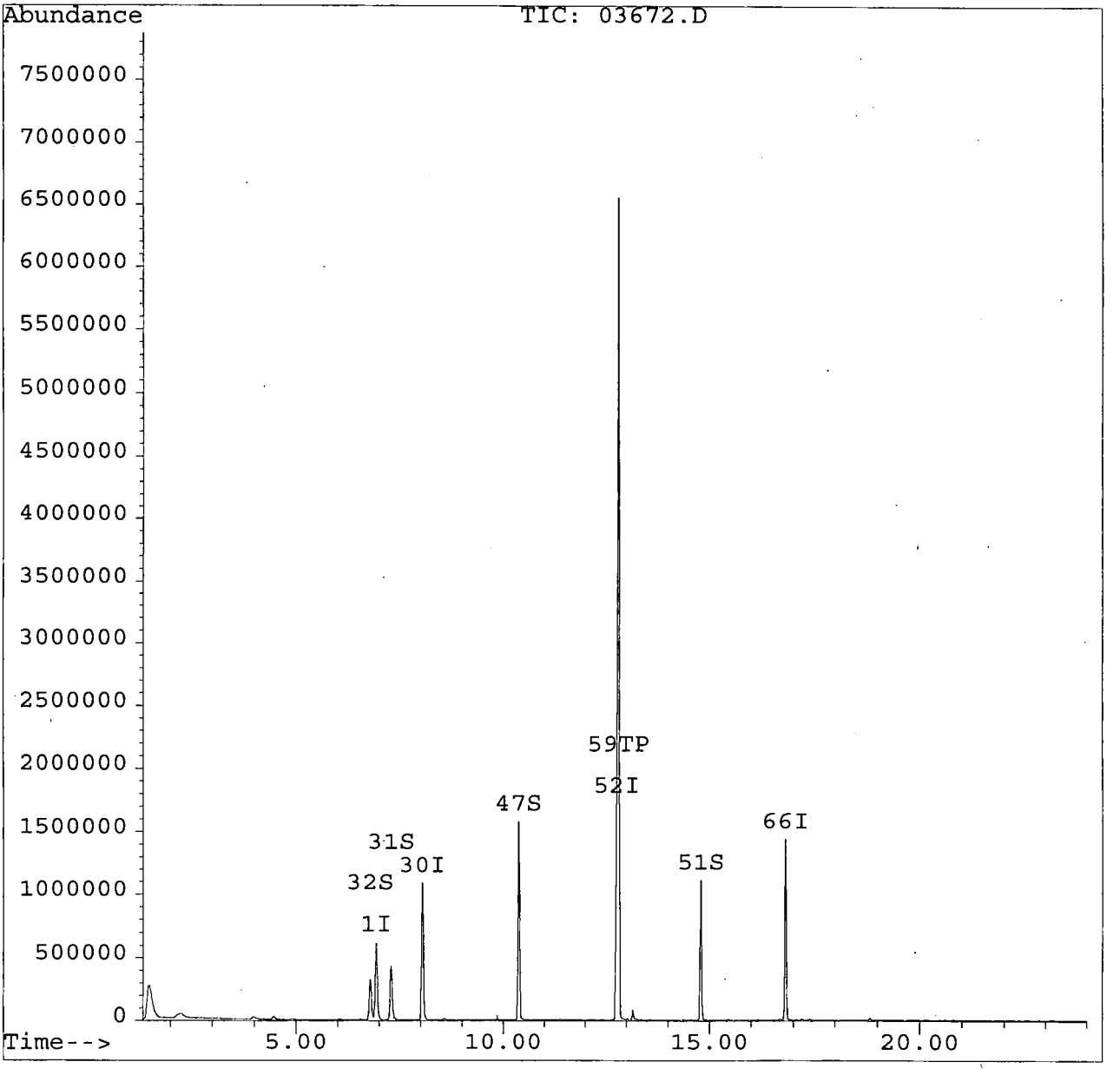
(#) = qualifier out of range (m) = manual integration

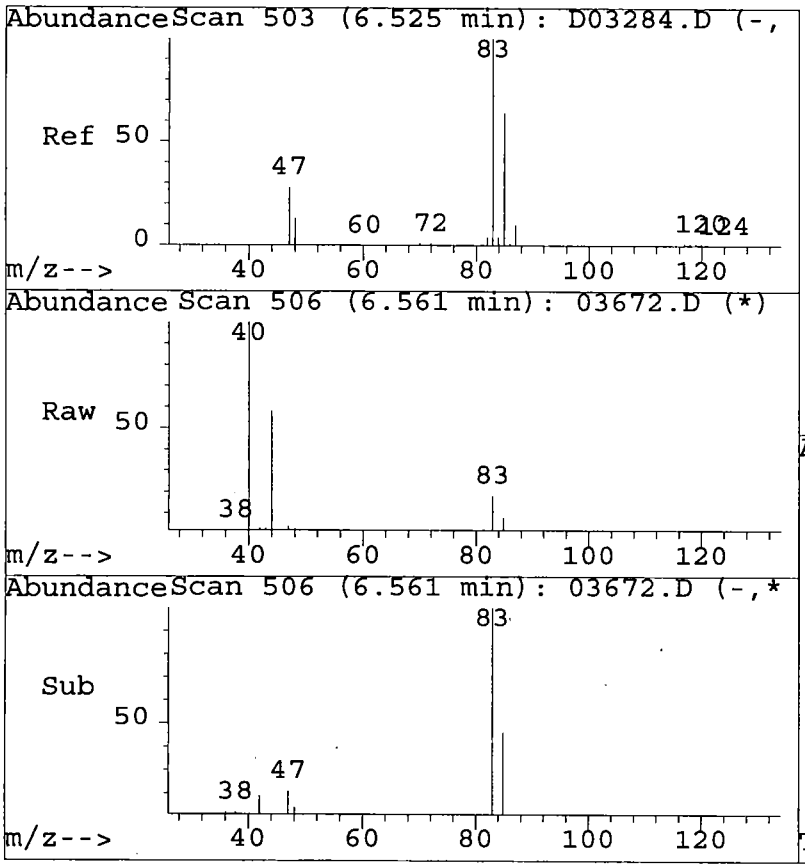
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03672.d
Acq On : 5 May 98 6:55 pm
Sample : TLCEDW1*11
Misc : DIL20
Quant Time: May 12 17:49 1998

Vial: 2
Operator:
Inst : VOA8
Multiplr: 20.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

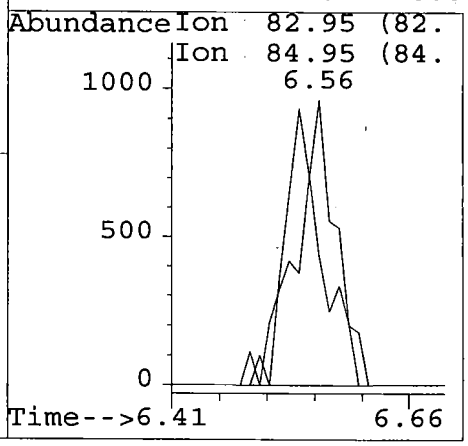


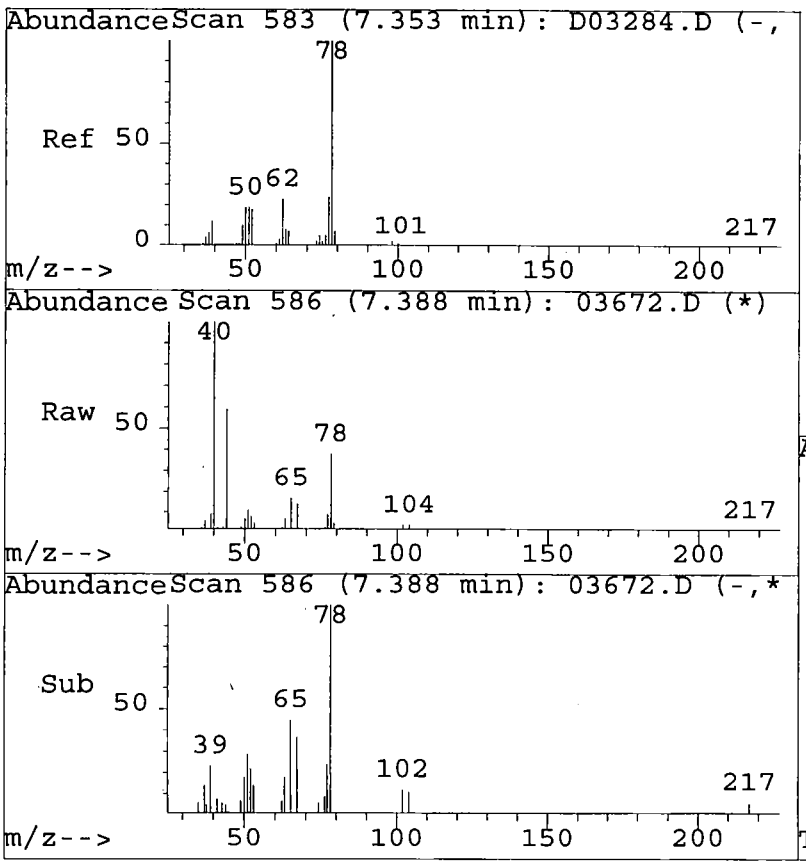


#28
Chloroform
Concen: 3.68 ug/L
RT: 6.56 min Scan# 506
Delta R.T. 0.03 min
Lab File: 03672.d
Acq: 5 May 98 6:55 pm

Tgt Ion:82.95 Resp: 3205

Ion	Ratio	Lower	Upper
83	100		
85	65.3	0.0	164.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

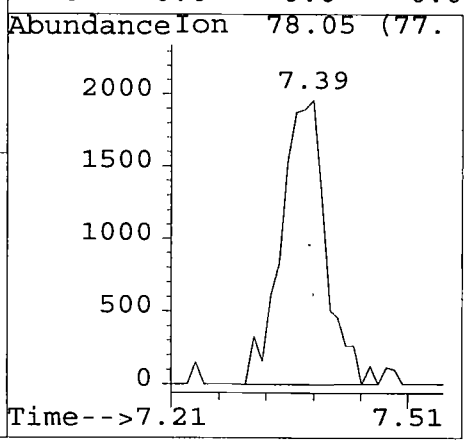


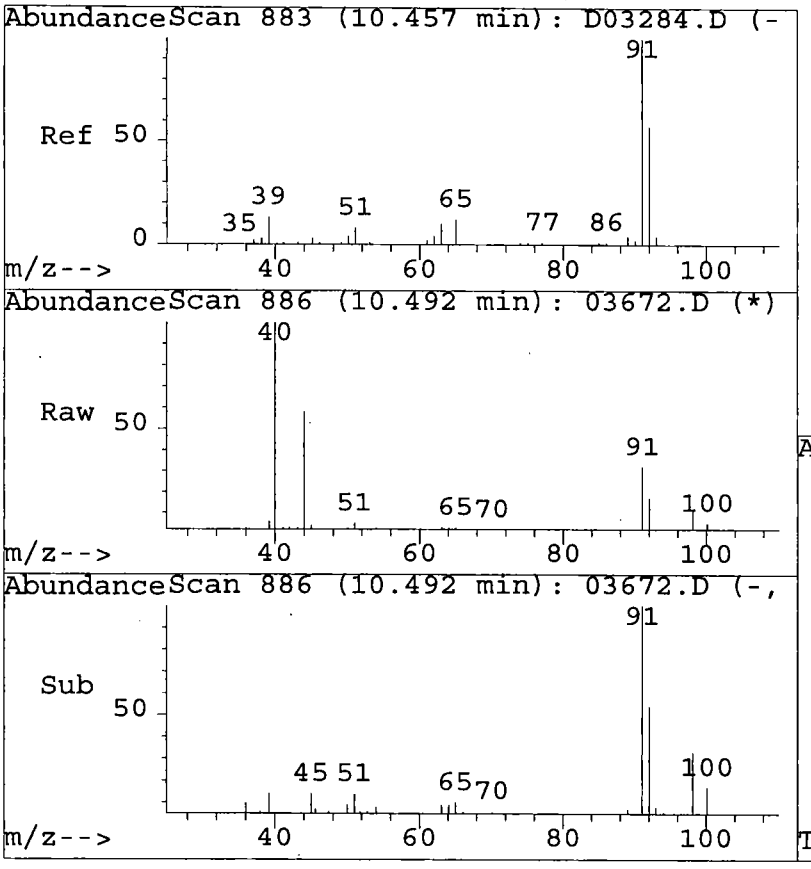


#38
Benzene
Concen: 3.64 ug/L
RT: 7.39 min Scan# 586
Delta R.T. 0.03 min
Lab File: 03672.d
Acq: 5 May 98 6:55 pm

Tgt Ion:78.05 Resp: 7476

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

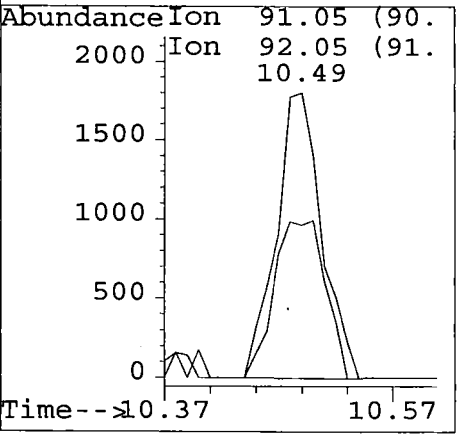


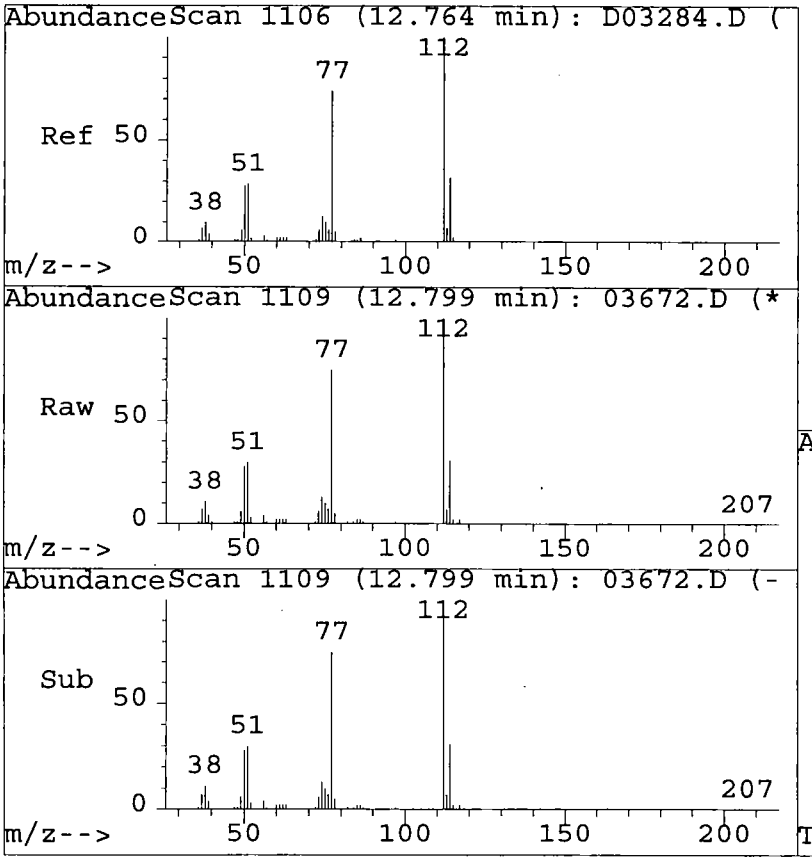


#48
Toluene
Concen: 2.40 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03672.d
Acq: 5 May 98 6:55 pm

Tgt Ion:91.05 Resp: 5091

Ion	Ratio	Lower	Upper
91	100		
92	62.5	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

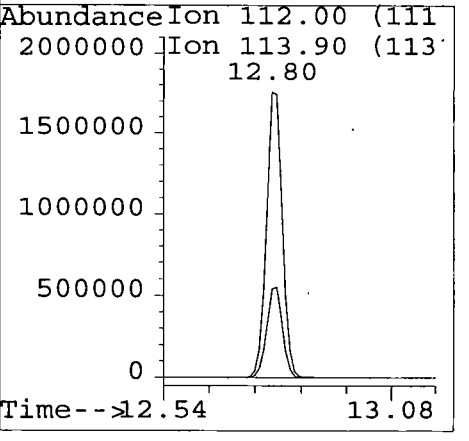


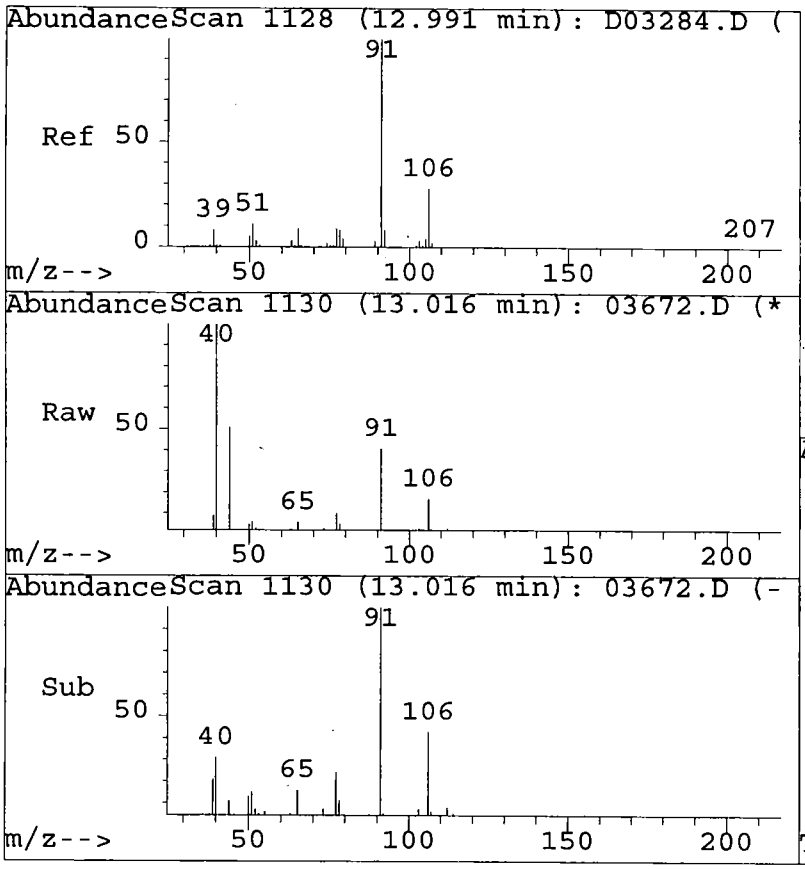


#59
Chlorobenzene
Concen: 3811.97 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03672.d
Acq: 5 May 98 6:55 pm

Tgt Ion:112 Resp: 4537462

Ion	Ratio	Lower	Upper
112	100		
114	31.4	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

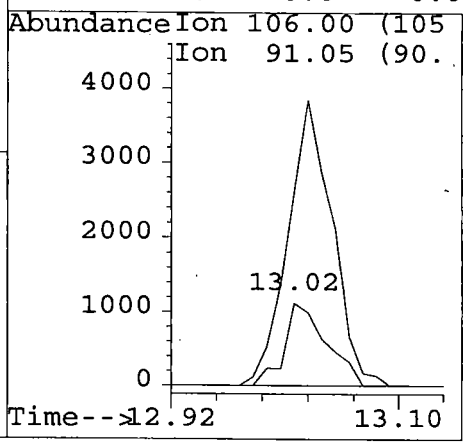


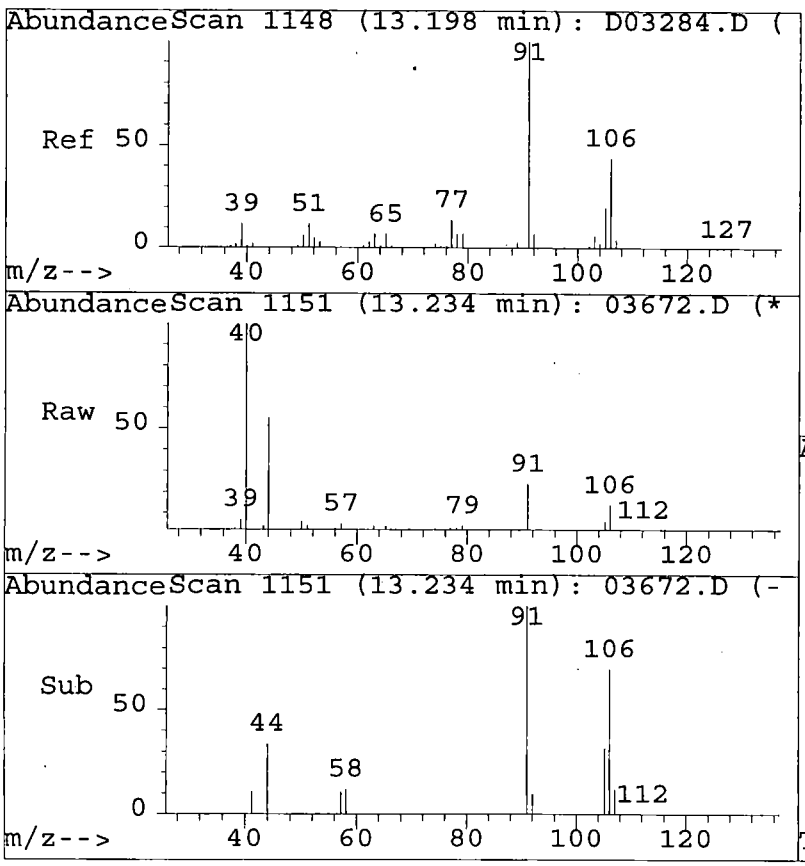


#61
Ethylbenzene
Concen: 3.88 ug/L
RT: 13.02 min Scan# 1130
Delta R.T. 0.00 min
Lab File: 03672.d
Acq: 5 May 98 6:55 pm

Tgt Ion:106 Resp: 2474

Ion	Ratio	Lower	Upper
106	100		
91	362.0	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

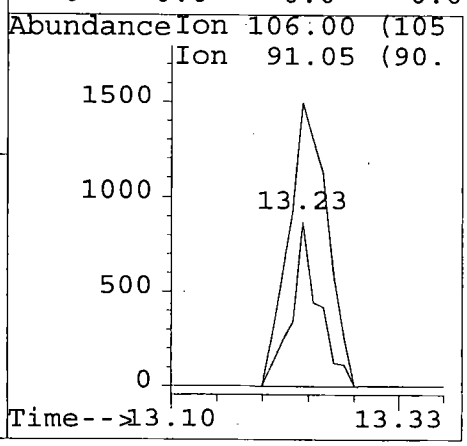


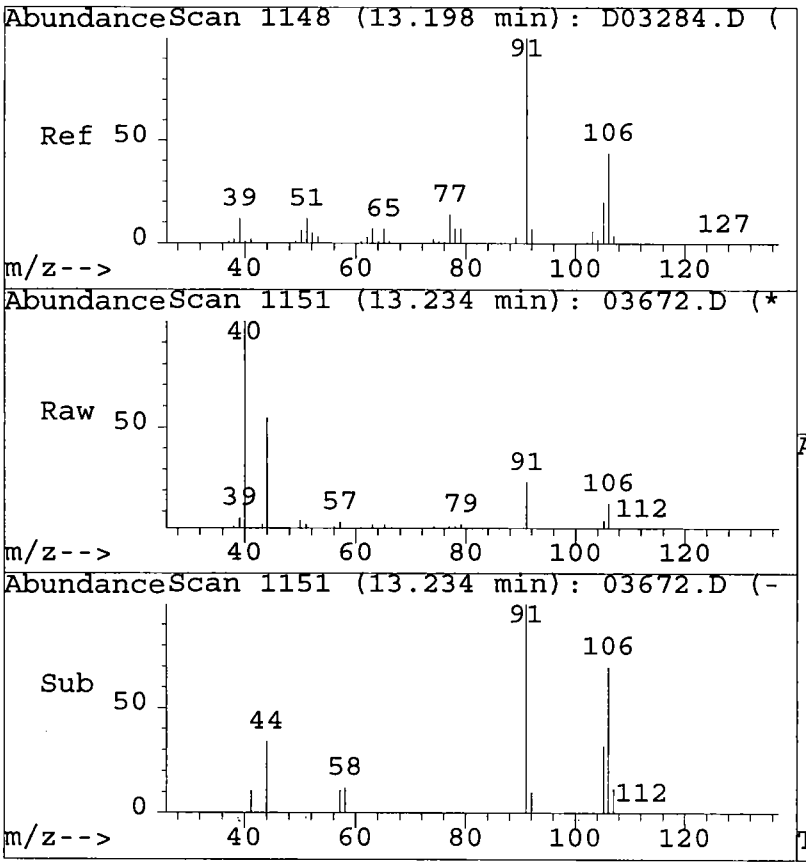


#62
Meta + Para Xylene
Concen: 1.90 ug/L m
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03672.d
Acq: 5 May 98 6:55 pm

Tgt Ion:106 Resp: 1659

Ion	Ratio	Lower	Upper
106	100		
91	227.4	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

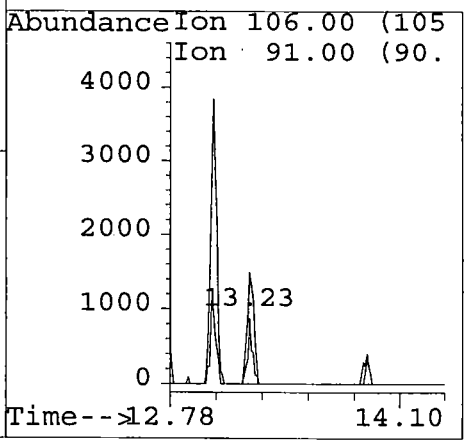




#64
Xylene (total)
Concen: 2.59 ug/L m
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03672.d
Acq: 5 May 98 6:55 pm

Tgt Ion:106 Resp: 2199

Ion	Ratio	Lower	Upper
106	100		
91	227.5	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03673.d
Acq On : 5 May 98 7:25 pm
Sample : TLCEDW1*1
Misc : DIL40
Quant Time: May 12 17:50 1998

Vial: 3
Operator:
Inst : VOA8
Multiplr: 40.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	597059	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	1177277	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.76	1105	1051262	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	485353	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	536828	50.66	ug/L	101.32%
32) Dibromofluoromethane	6.79	528	357703	47.89	ug/L	95.78%
47) Toluene-d8	10.39	876	1499373	48.54	ug/L	97.09%
51) Bromofluorobenzene	14.79	1302	559686	47.92	ug/L	95.83%
Target Compounds						**Qvalue**
4) Vinyl Chloride	1.94	60	17162	63.45	ug/L	98
23) cis-1,2-Dichloroethene	6.01	453	946228*	2415.03	ug/L	90
28) Chloroform	6.55	505	4538	10.76	ug/L	94
38) Benzene	7.38	585	13447	13.49	ug/L	100
48) Toluene	10.49	886	71496	69.42	ug/L	99
59) Chlorobenzene	12.80	1109	1114355*	1957.63	ug/L	100
61) Ethylbenzene	13.03	1132	2647	8.69	ug/L	84
62) Meta + Para Xylene	13.23	1151	3692	8.85	ug/L	87
63) Ortho Xylene	13.90	1216	3246	8.45	ug/L	91
~~64) Xylene (total)~~	~~13.90~~	~~1216~~	~~6938~~	~~17.07~~	~~ug/L m~~	88

* reported w/Neat run 03652

05/13/98

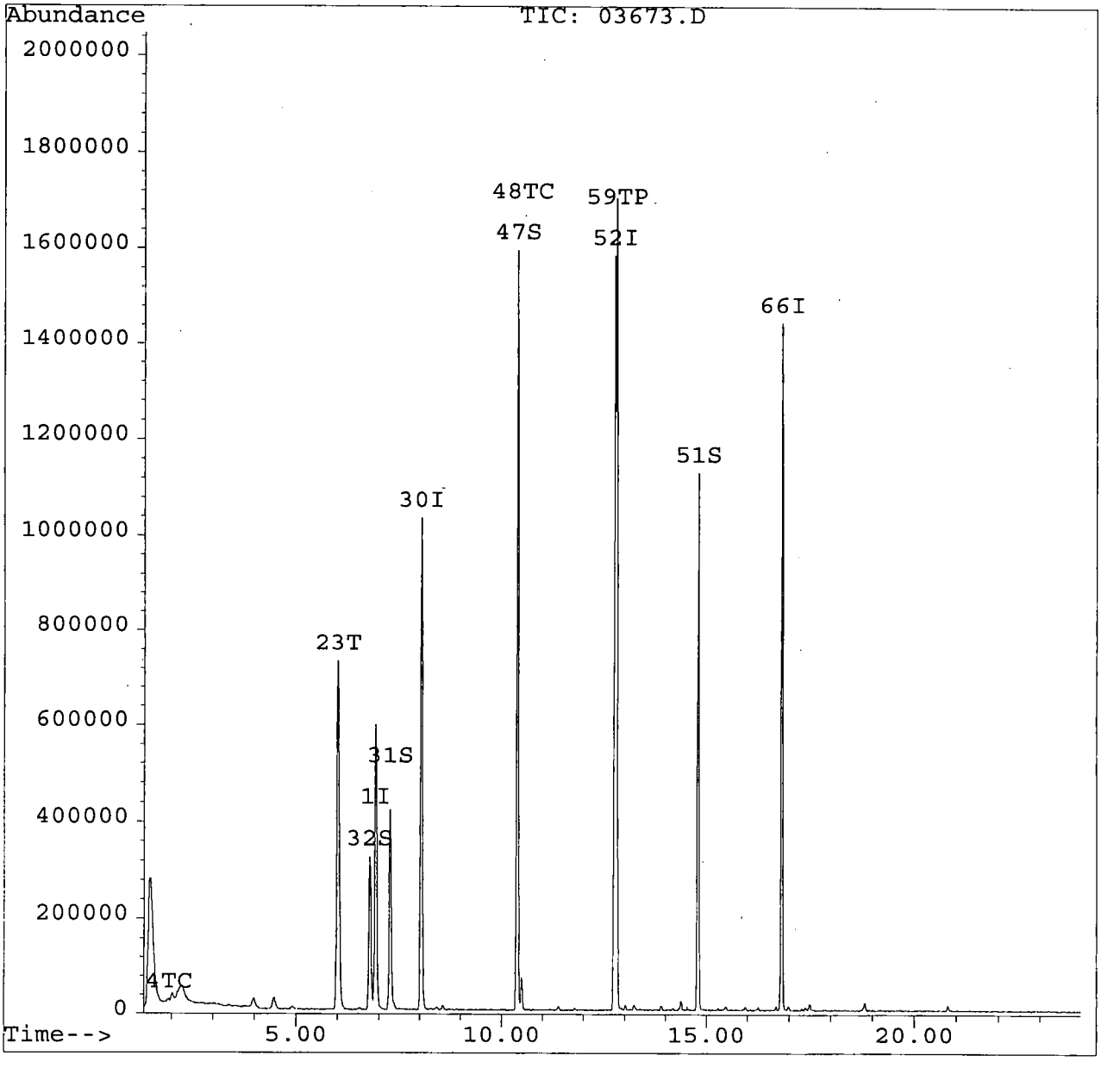
(#) = qualifier out of range (m) = manual integration

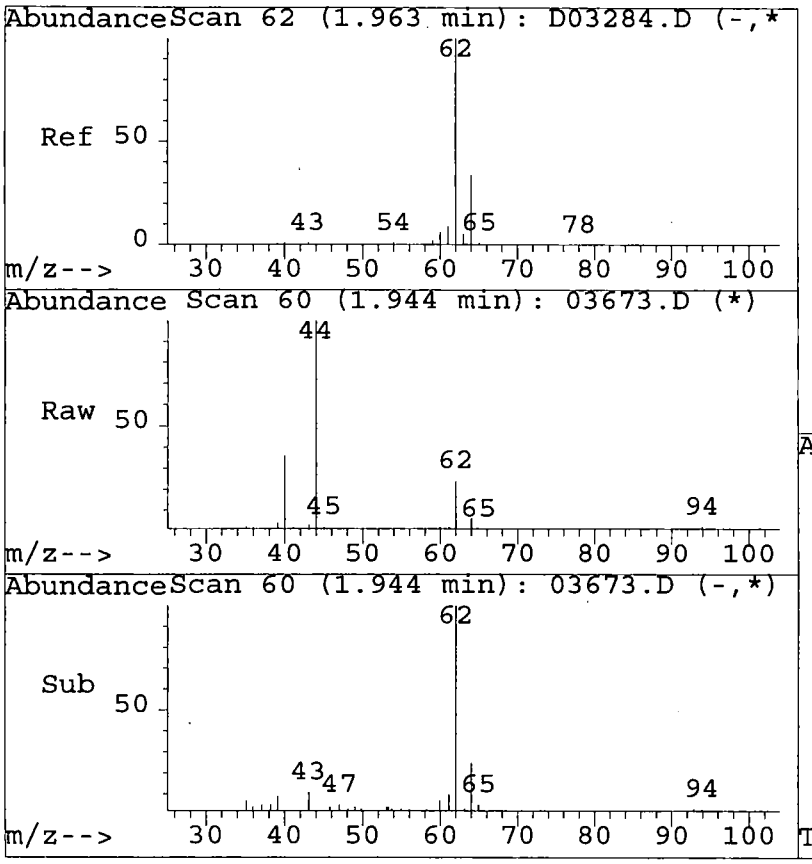
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03673.d
Acq On : 5 May 98 7:25 pm
Sample : TLCEDW1*1
Misc : DIL40
Quant Time: May 12 17:50 1998

Vial: 3
Operator:
Inst : VOA8
Multiplr: 40.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

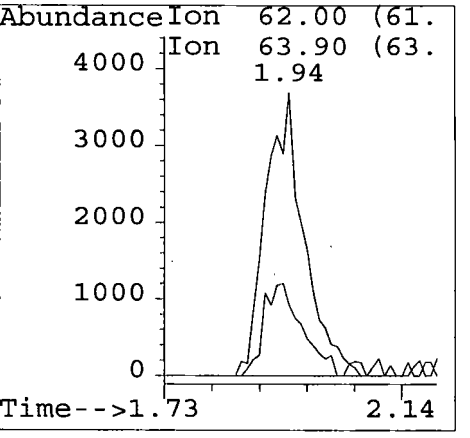


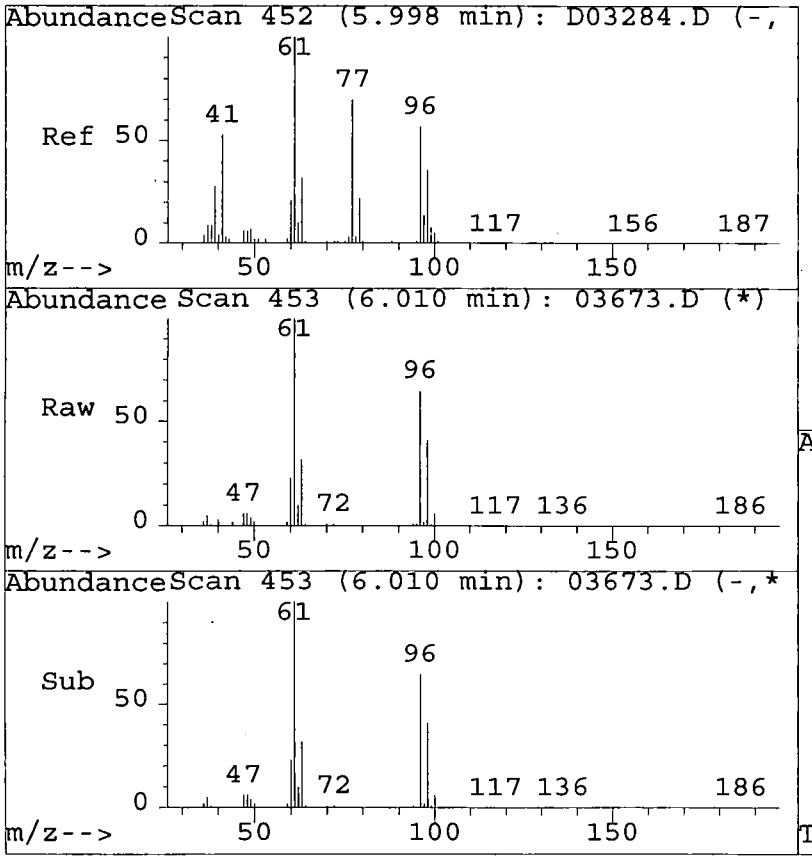


#4
Vinyl Chloride
Concen: 63.45 ug/L
RT: 1.94 min Scan# 60
Delta R.T. 0.02 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:62 Resp: 17162

Ion	Ratio	Lower	Upper
62	100		
64	32.6	0.0	131.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

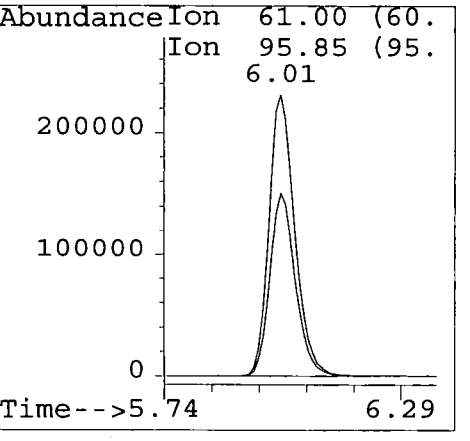


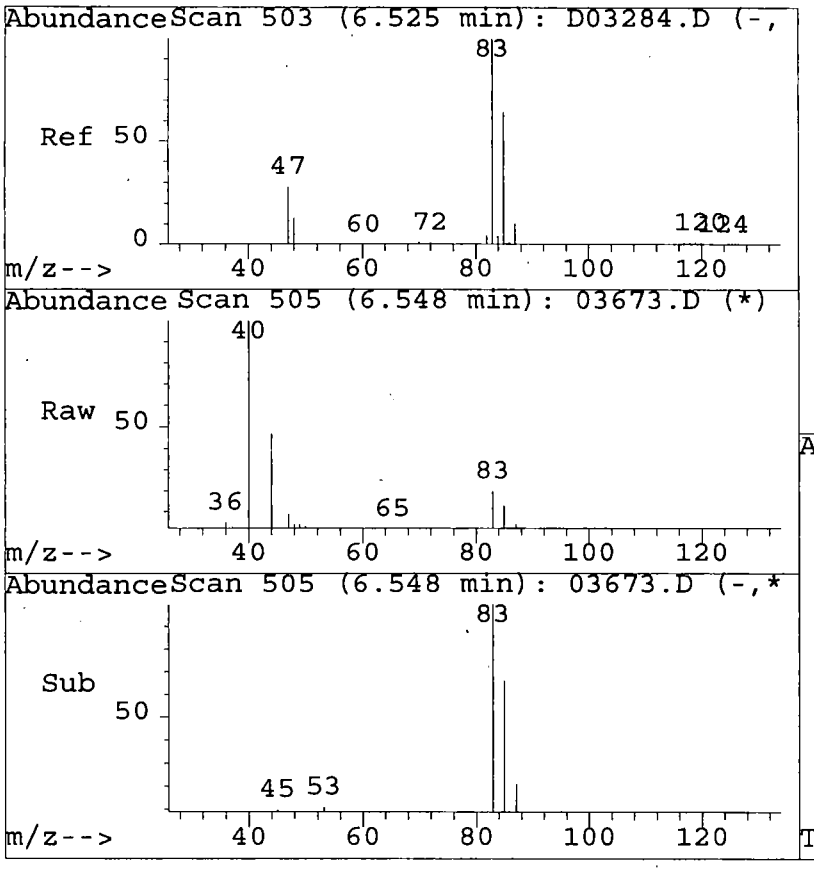


#23
cis-1,2-Dichloroethene
Concen: 2415.03 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:61 Resp: 946228

Ion	Ratio	Lower	Upper
61	100		
96	64.6	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

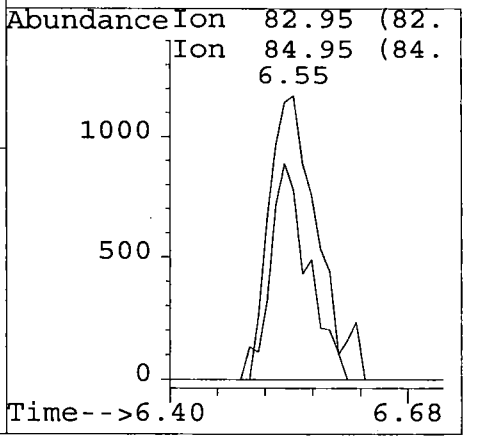


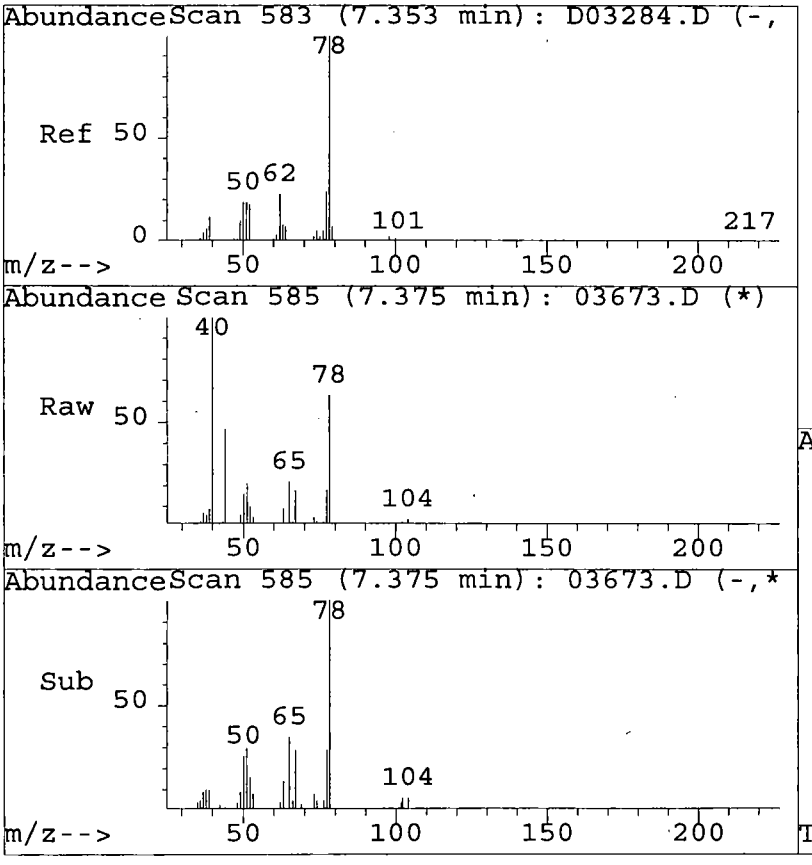


#28
Chloroform
Concen: 10.76 ug/L
RT: 6.55 min Scan# 505
Delta R.T. 0.02 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:82.95 Resp: 4538

Ion	Ratio	Lower	Upper
83	100		
85	60.0	0.0	164.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

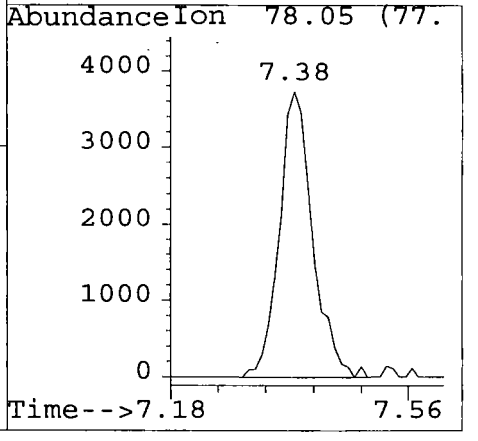


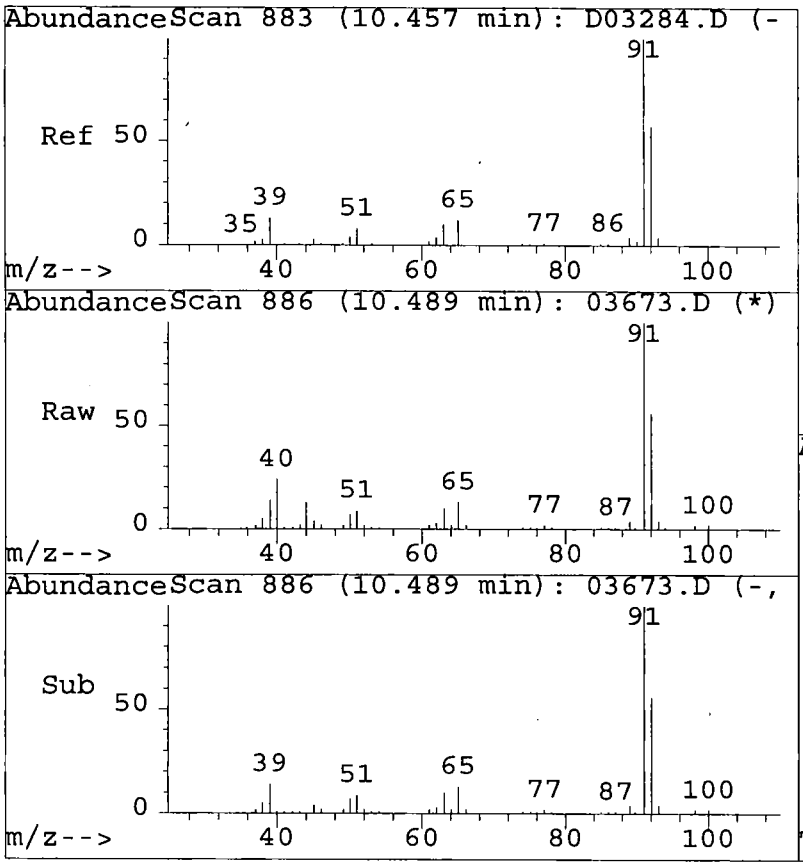


#38
Benzene
Concen: 13.49 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:78.05 Resp: 13447

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

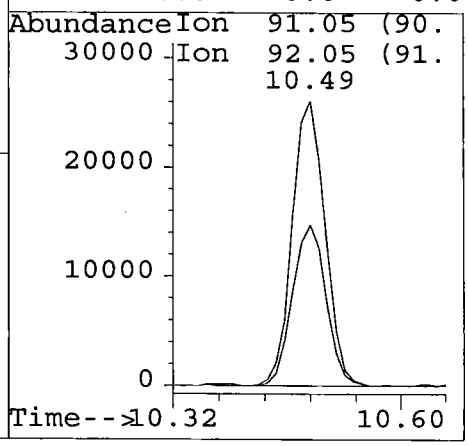


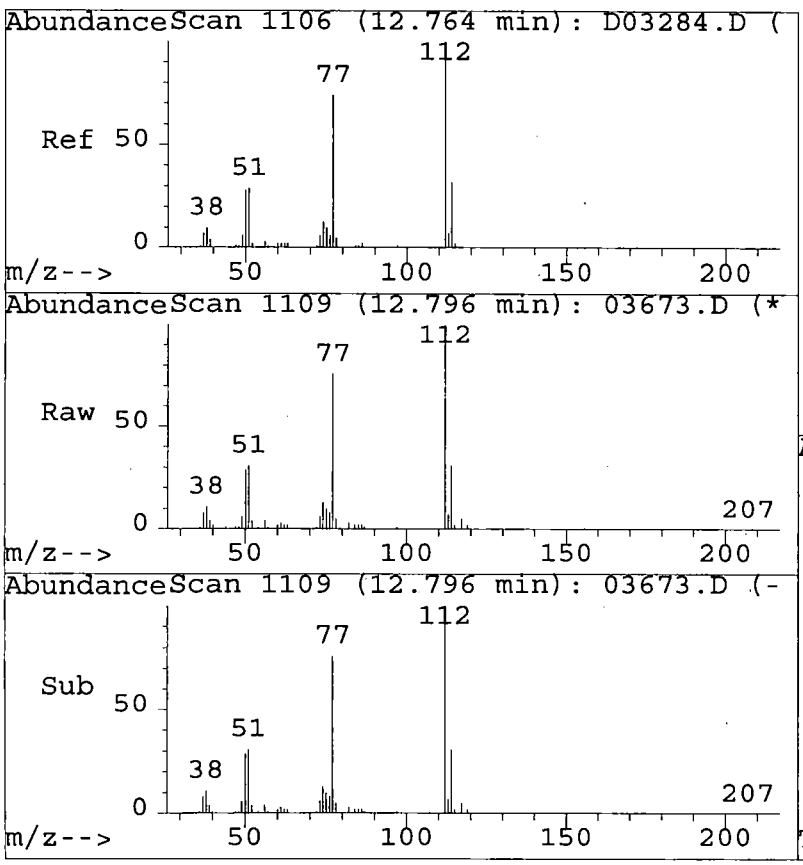


#48
Toluene
Concen: 69.42 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:91.05 Resp: 71496

Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

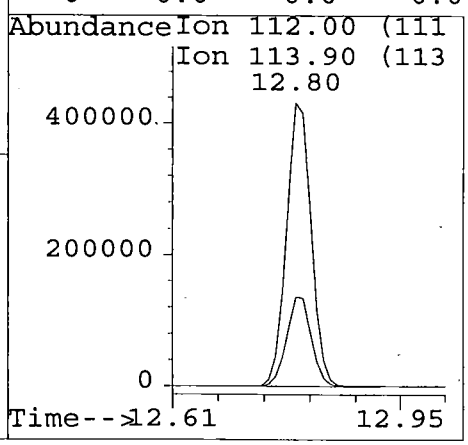


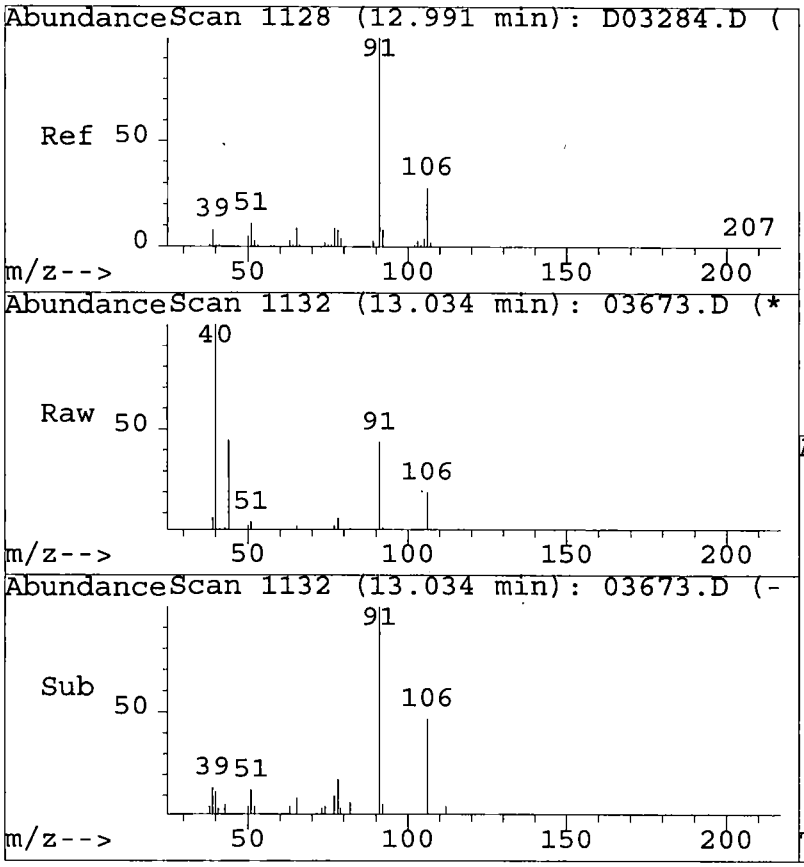


#59
Chlorobenzene
Concen: 1957.63 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:112 Resp: 1114355

Ion	Ratio	Lower	Upper
112	100		
114	31.5	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

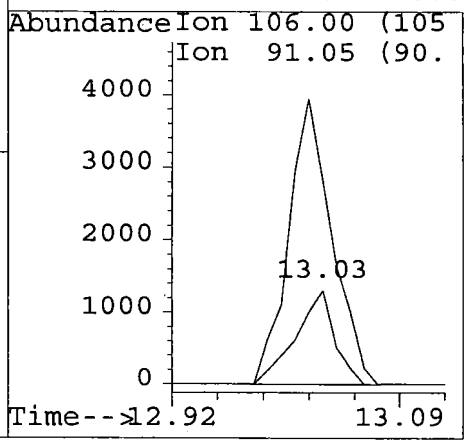


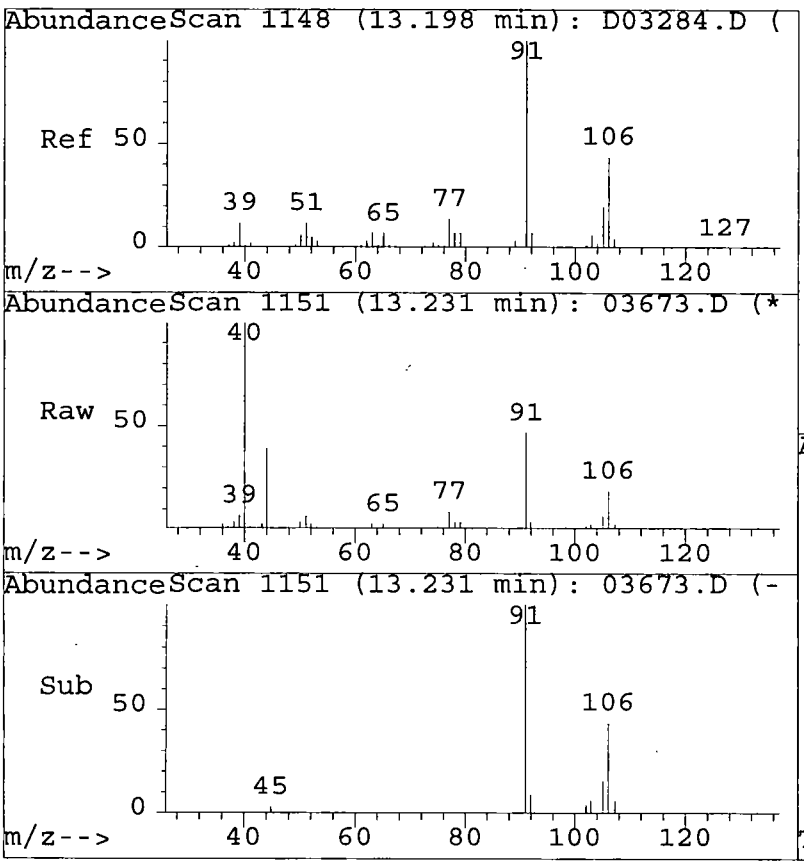


#61
Ethylbenzene
Concen: 8.69 ug/L
RT: 13.03 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:106 Resp: 2647

Ion	Ratio	Lower	Upper
106	100		
91	335.8	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

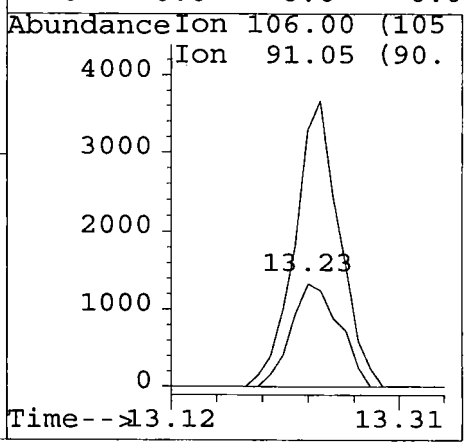


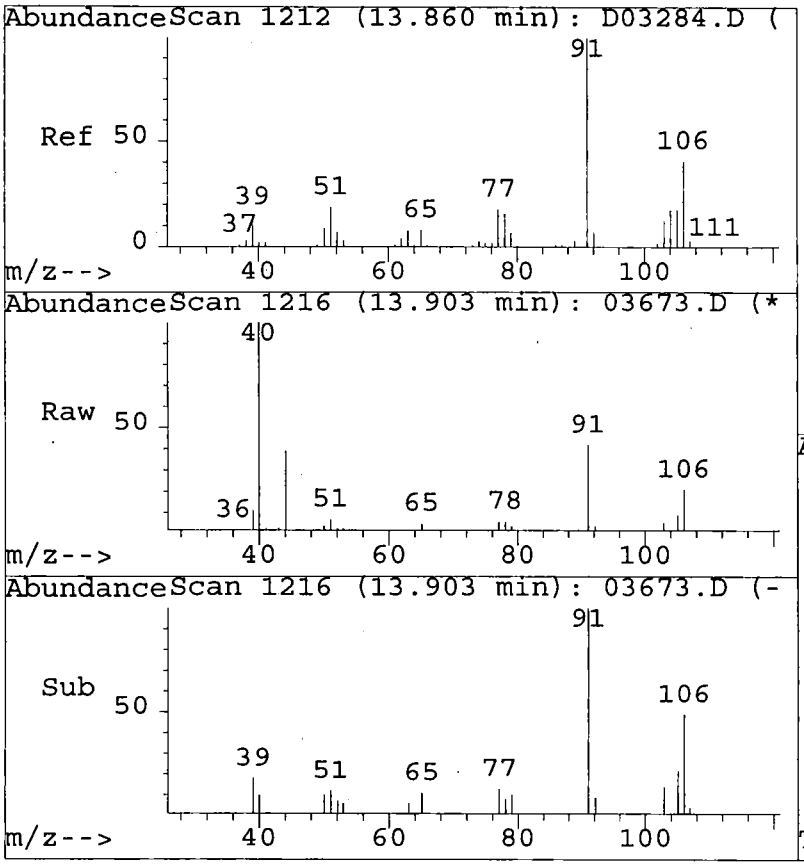


#62
Meta + Para Xylene
Concen: 8.85 ug/L
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:106 Resp: 3692

Ion	Ratio	Lower	Upper
106	100		
91	255.0	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

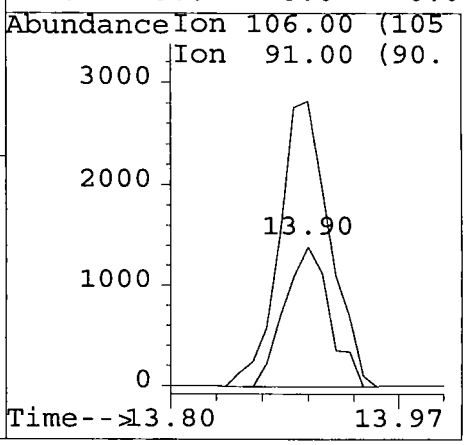


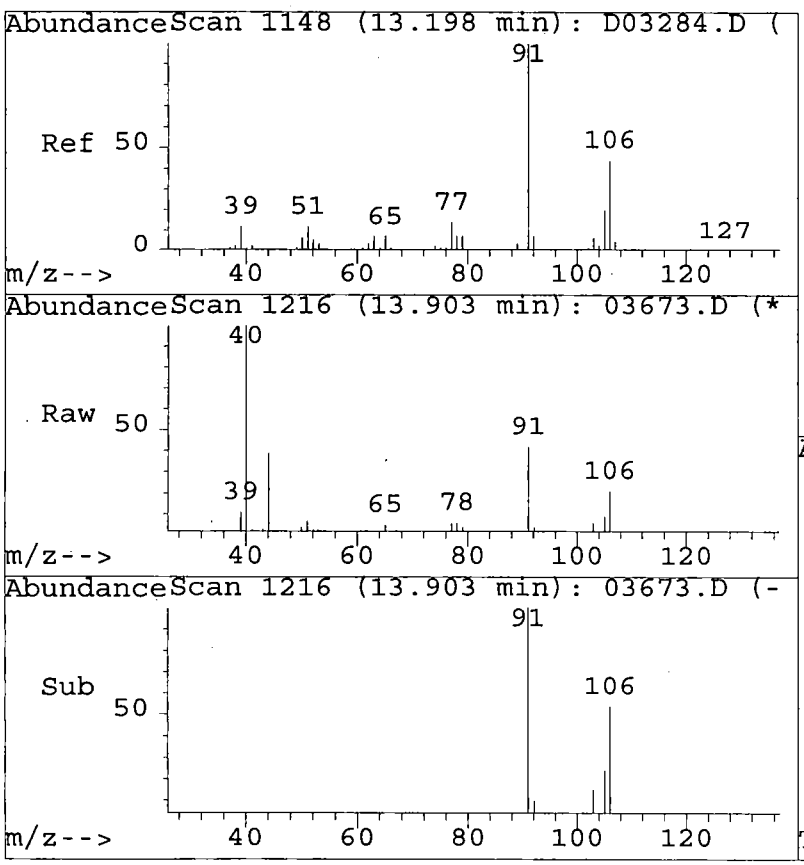


#63
Ortho Xylene
Concen: 8.45 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:106 Resp: 3246

Ion	Ratio	Lower	Upper
106	100		
91	227.5	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

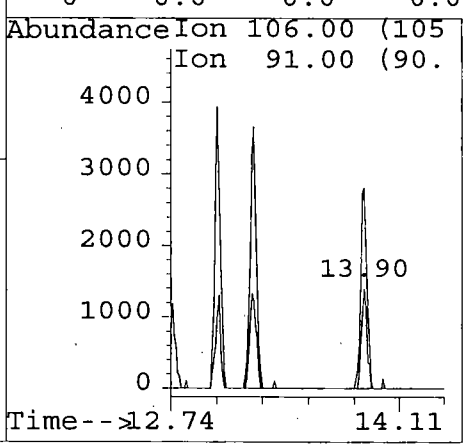




#64
Xylene (total)
Concen: 17.07 ug/L m
RT: 13.90 min Scan# 1216
Delta R.T. 0.68 min
Lab File: 03673.d
Acq: 5 May 98 7:25 pm

Tgt Ion:106 Resp: 6938

Ion	Ratio	Lower	Upper
106	100		
91	202.4	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03677.d
Acq On : 5 May 98 9:26 pm
Sample : TLCEDW1*17
Misc : DIL5.0
Quant Time: May 12 17:53 1998

Vial: 7
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	607554	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	1177863	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.76	1105	1055870	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	495670	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	509956	48.10	ug/L	96.20%
32) Dibromofluoromethane	6.79	528	334930	44.82	ug/L	89.63%
47) Toluene-d8	10.39	876	1477642	47.82	ug/L	95.63%
51) Bromofluorobenzene	14.79	1302	544328	46.58	ug/L	93.16%
Target Compounds						**Qvalue**
19) 1,1-Dichloroethane	5.09	364	5608	1.71	ug/L	78
23) cis-1,2-Dichloroethene	6.01	453	78441	24.59	ug/L	91
29) 1,1,1-Trichloroethane	6.80	529	3625	1.47	ug/L	97
38) Benzene	7.38	585	13847	1.74	ug/L	100
48) Toluene	10.49	886	15837944	1921.42	ug/L	100
59) Chlorobenzene	12.80	1109	958188	209.49	ug/L	100
61) Ethylbenzene	13.02	1131	81174	33.16	ug/L	99
62) Meta + Para Xylene	13.23	1151	194454	58.03	ug/L	98
63) Ortho Xylene	13.90	1216	183710	59.54	ug/L	100
~~64) Xylene (total)~~	~~13.90~~	~~1216~~	~~378248~~	~~115.85~~	~~ug/L m~~	99

48) Toluene – 1482.81 reported from 40x dil 03692.d

05/13/98

** Xylene (total) – 117.57 ug/L

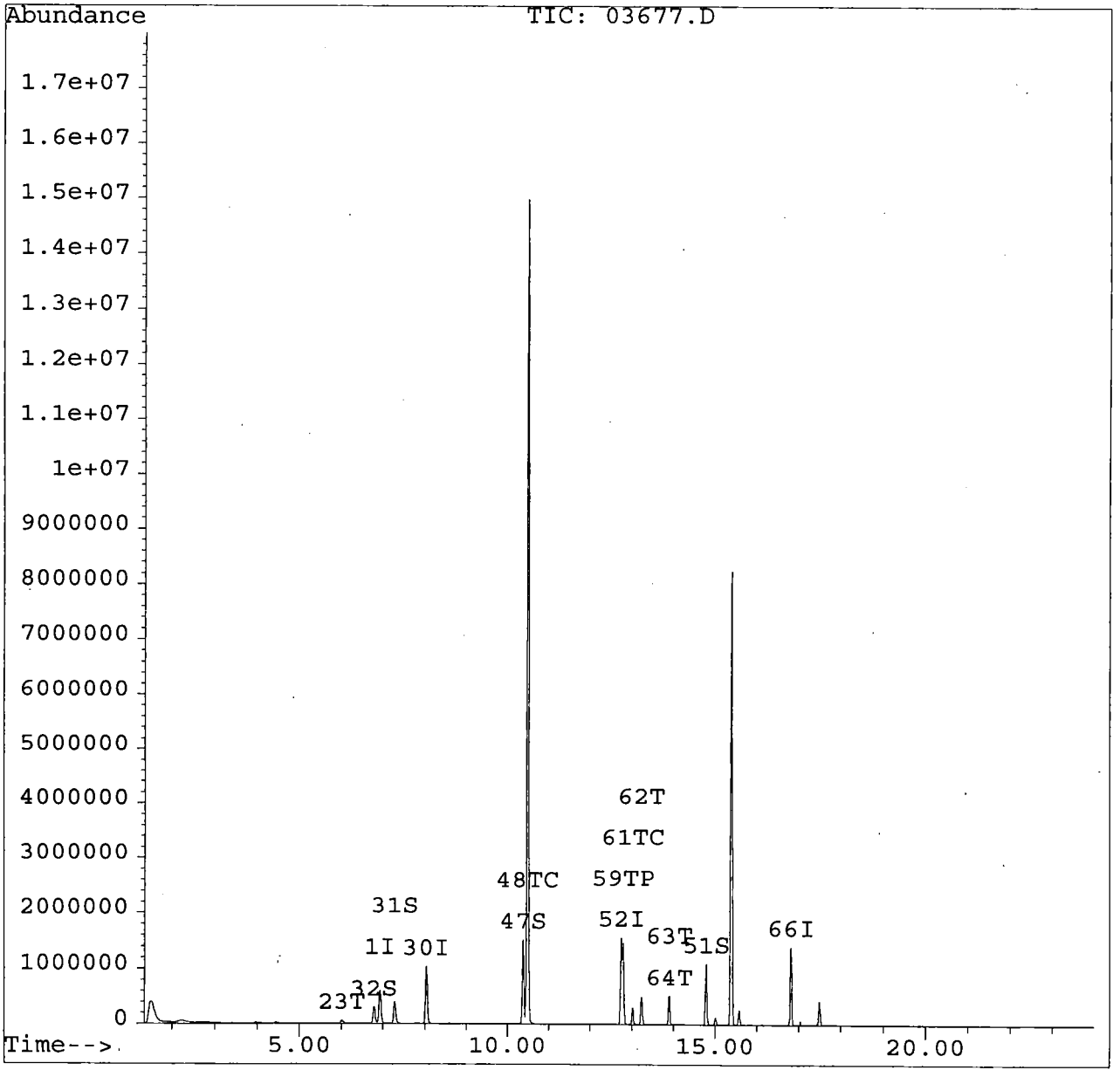
(#) = qualifier out of range (m) = manual integration
03677.d W8260ALL.M Tue May 12 18:20:58 1998 RP1 Page 1

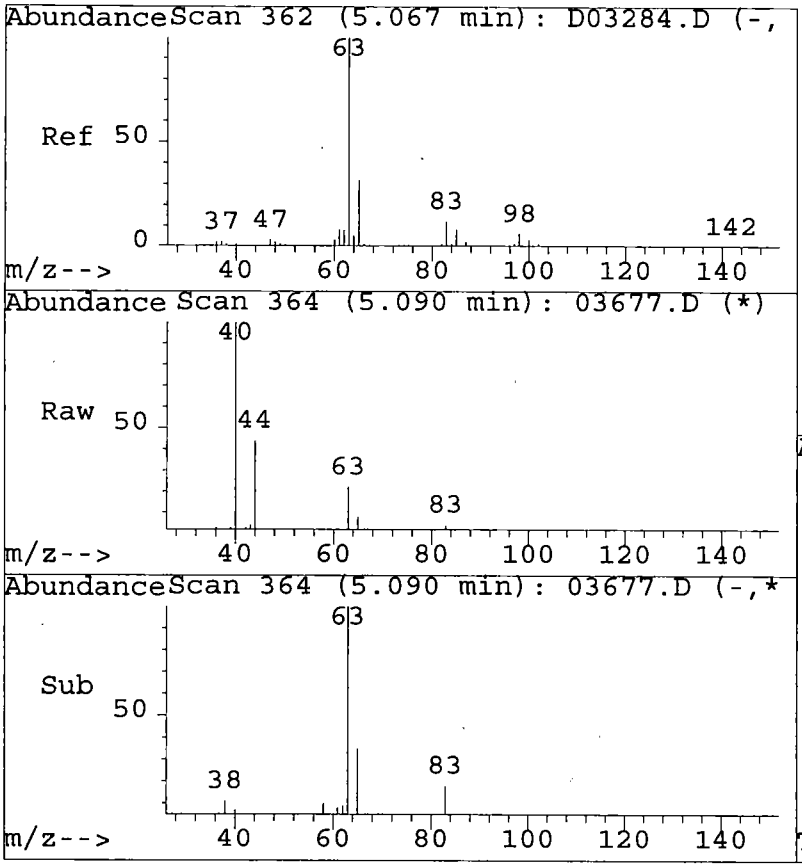
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03677.d
Acq On : 5 May 98 9:26 pm
Sample : TLCEDW1*17
Misc : DIL5.0
Quant Time: May 12 17:53 1998

Vial: 7
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

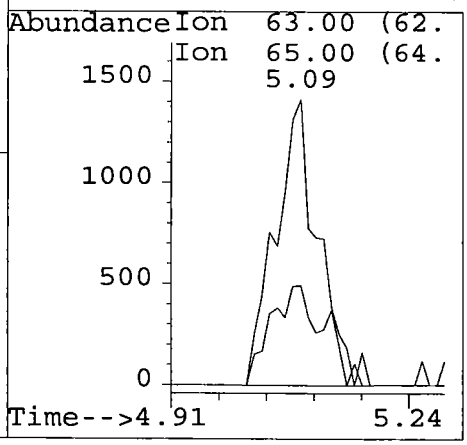


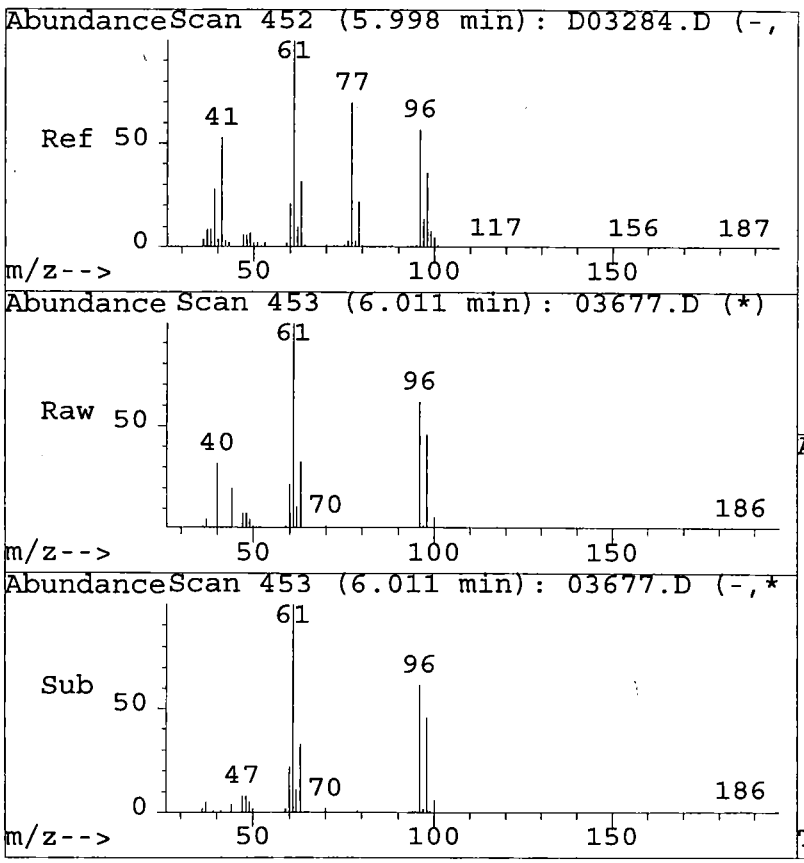


#19
1,1-Dichloroethane
Concen: 1.71 ug/L
RT: 5.09 min Scan# 364
Delta R.T. 0.02 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:63 Resp: 5608

Ion	Ratio	Lower	Upper
63	100		
65	43.3	0.0	131.2
0	0.0	0.0	0.0
0	0.0	0.0	0.0

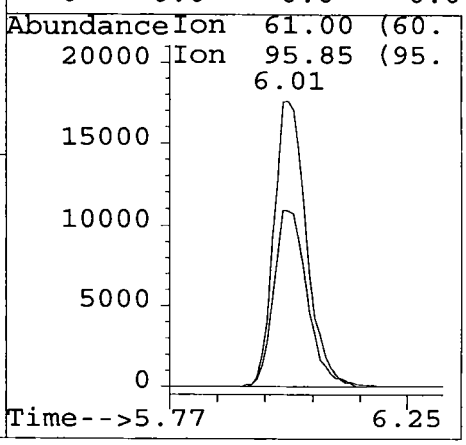


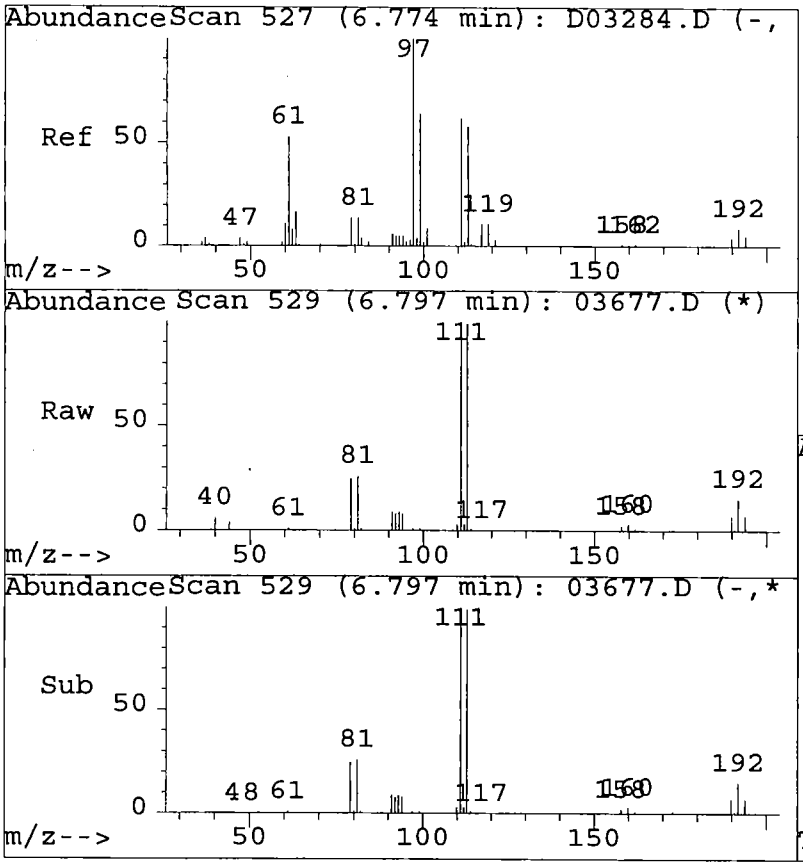


#23
cis-1,2-Dichloroethene
Concen: 24.59 ug/L
RT: 6.01 min Scan# 453
Delta R.T. 0.02 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:61 Resp: 78441

Ion	Ratio	Lower	Upper
61	100		
96	63.8	45.7	68.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

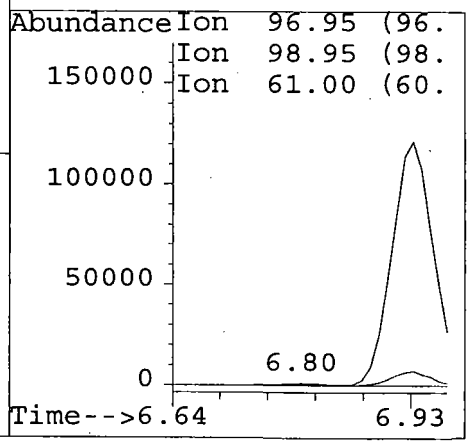


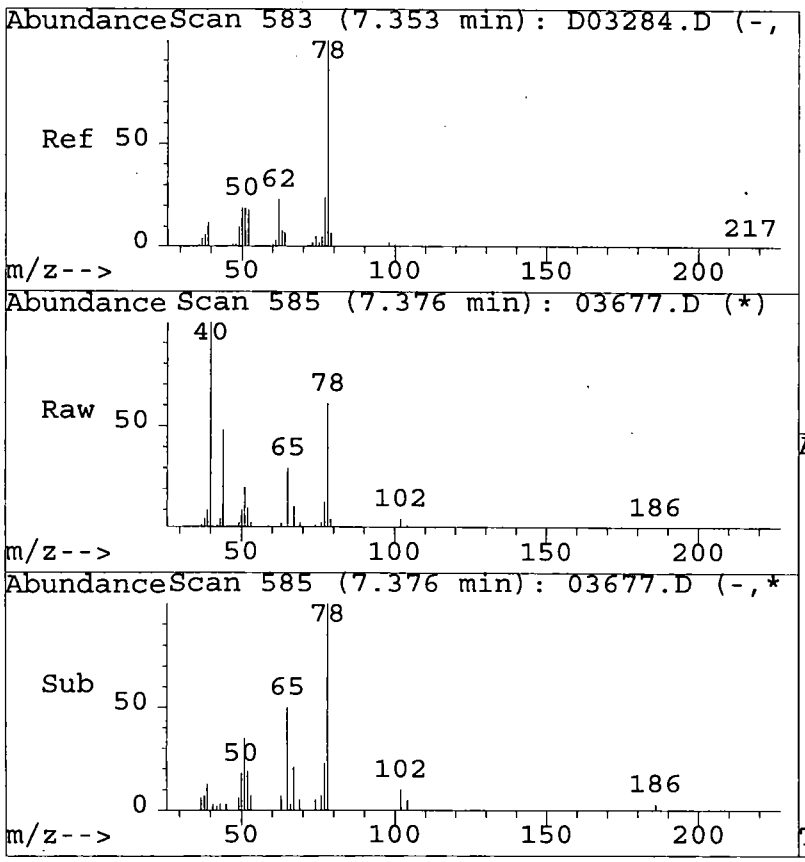


#29
1,1,1-Trichloroethane
Concen: 1.47 ug/L
RT: 6.80 min Scan# 529
Delta R.T. 0.02 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:96.95 Resp: 3625

Ion	Ratio	Lower	Upper
97	100		
99	59.7	50.9	76.3
61	56.1	45.1	67.6
0	0.0	0.0	0.0

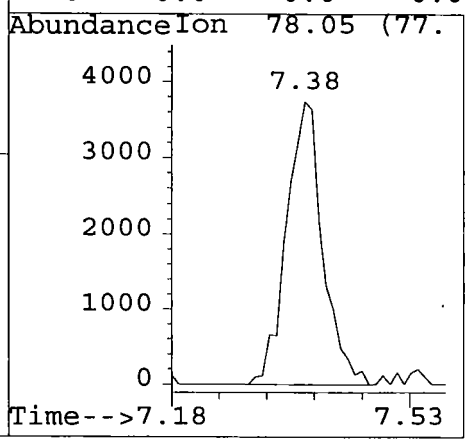


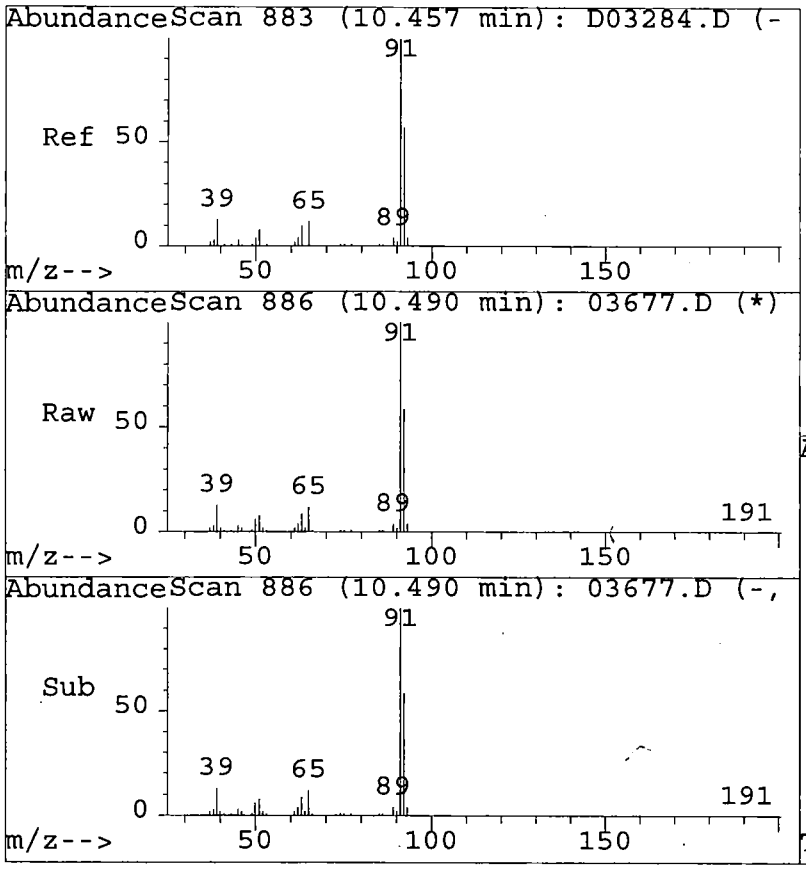


#38
Benzene
Concen: 1.74 ug/L
RT: 7.38 min Scan# 585
Delta R.T. 0.02 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:78.05 Resp: 13847

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

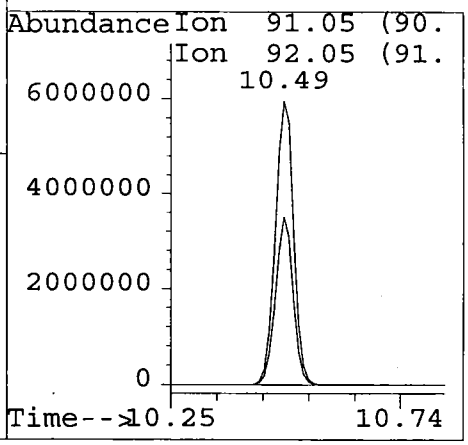


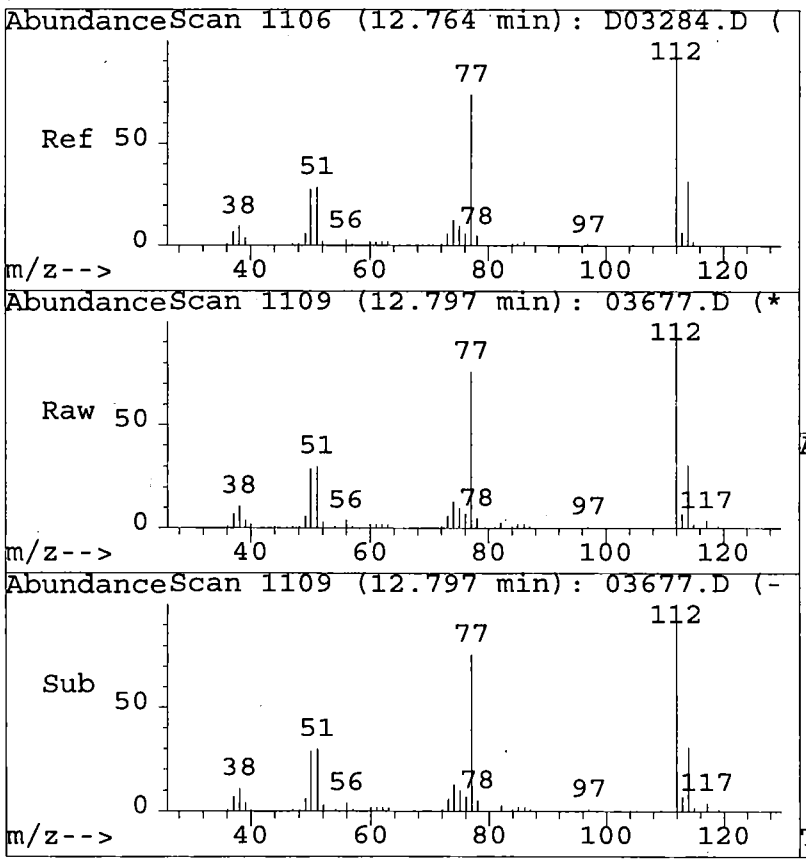


#48
Toluene
Concen: 1921.42 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:91.05 Resp:15837944

Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

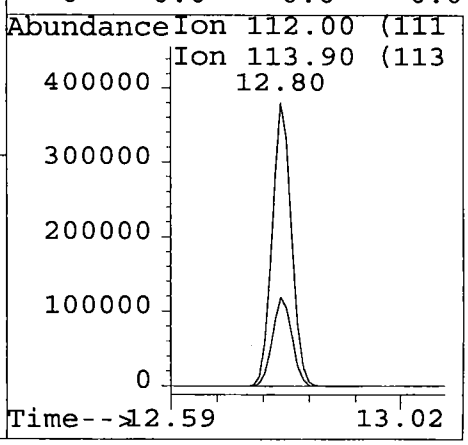


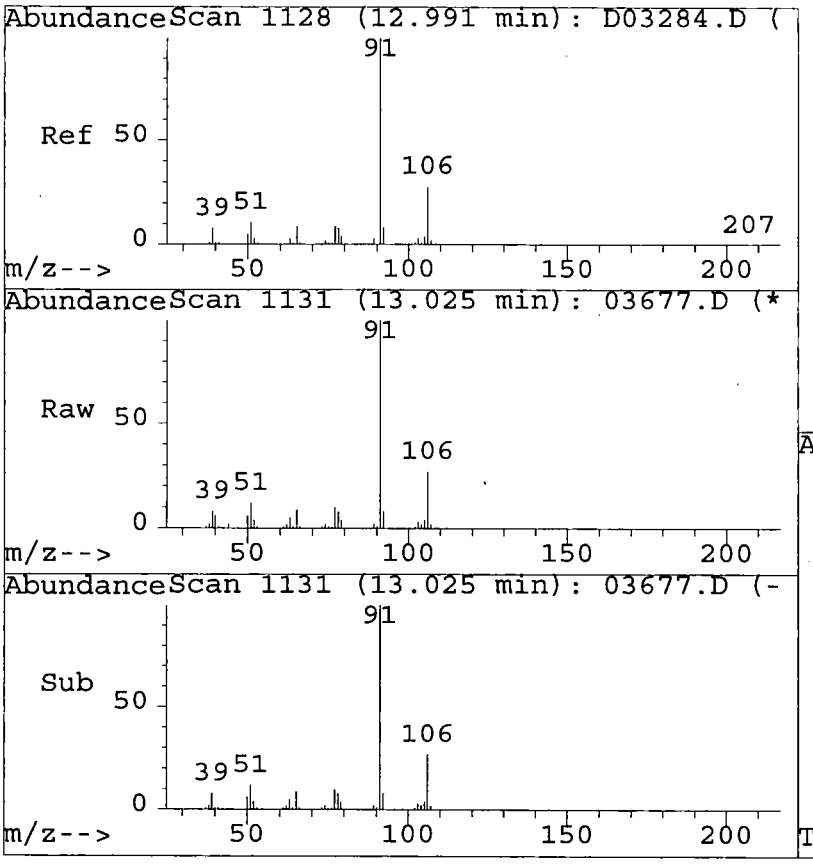


#59
Chlorobenzene
Concen: 209.49 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:112 Resp: 958188

Ion	Ratio	Lower	Upper
112	100		
114	31.7	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

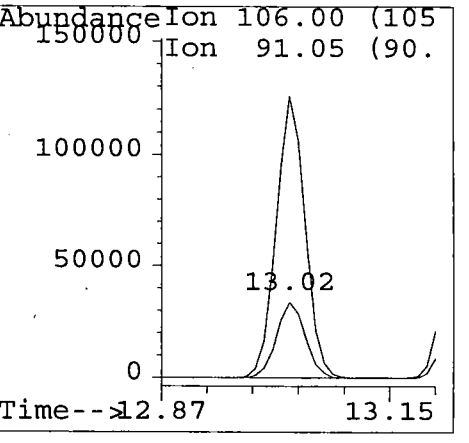


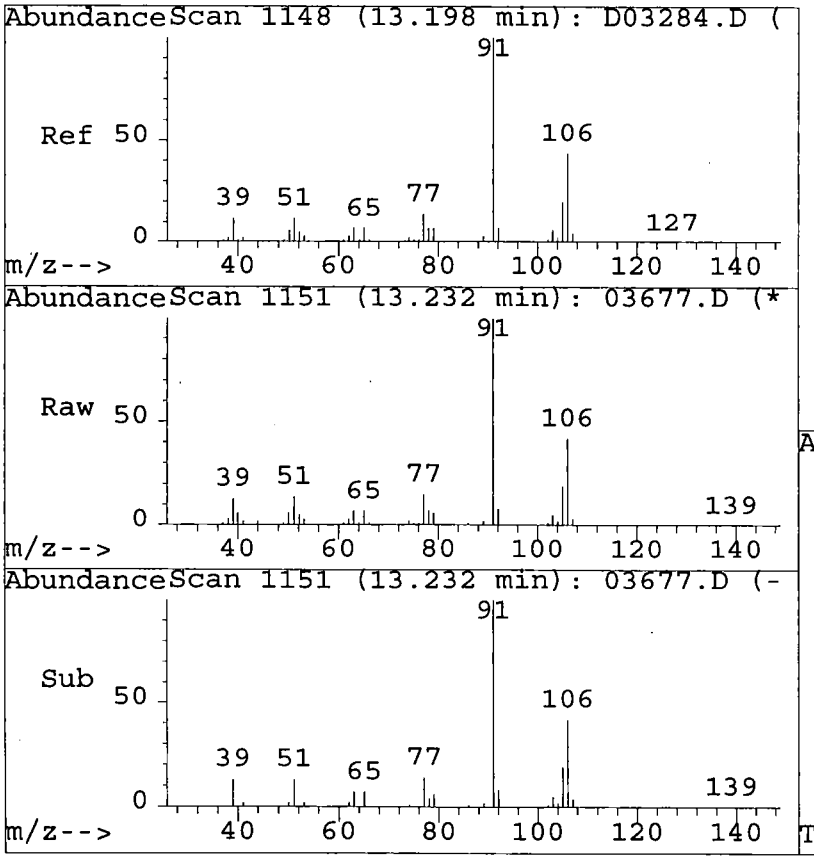


#61
Ethylbenzene
Concen: 33.16 ug/L
RT: 13.02 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:106 Resp: 81174

Ion	Ratio	Lower	Upper
106	100		
91	373.8	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

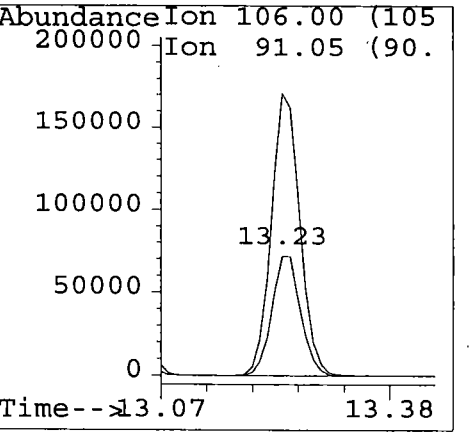


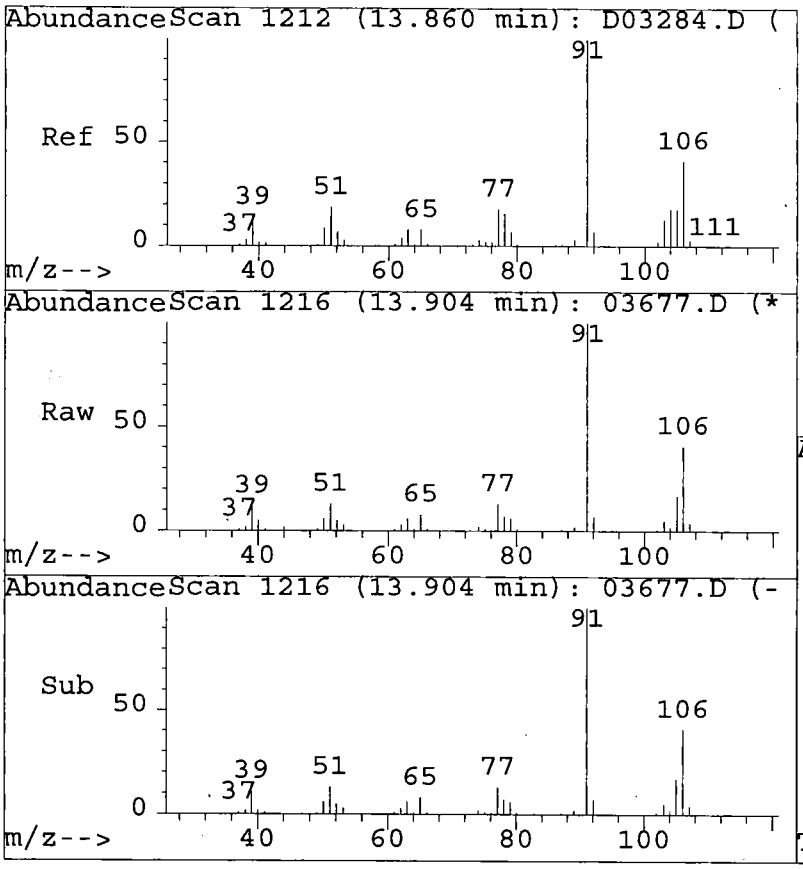


#62
Meta + Para Xylene
Concen: 58.03 ug/L
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:106 Resp: 194454

Ion	Ratio	Lower	Upper
106	100		
91	235.7	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

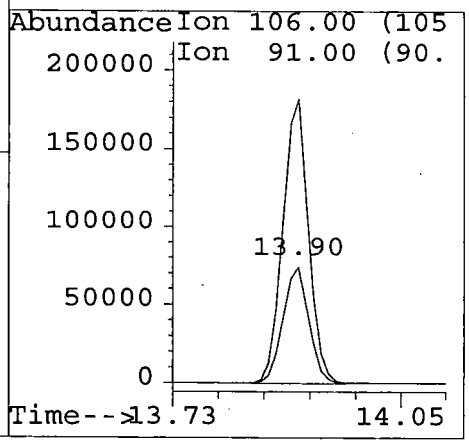


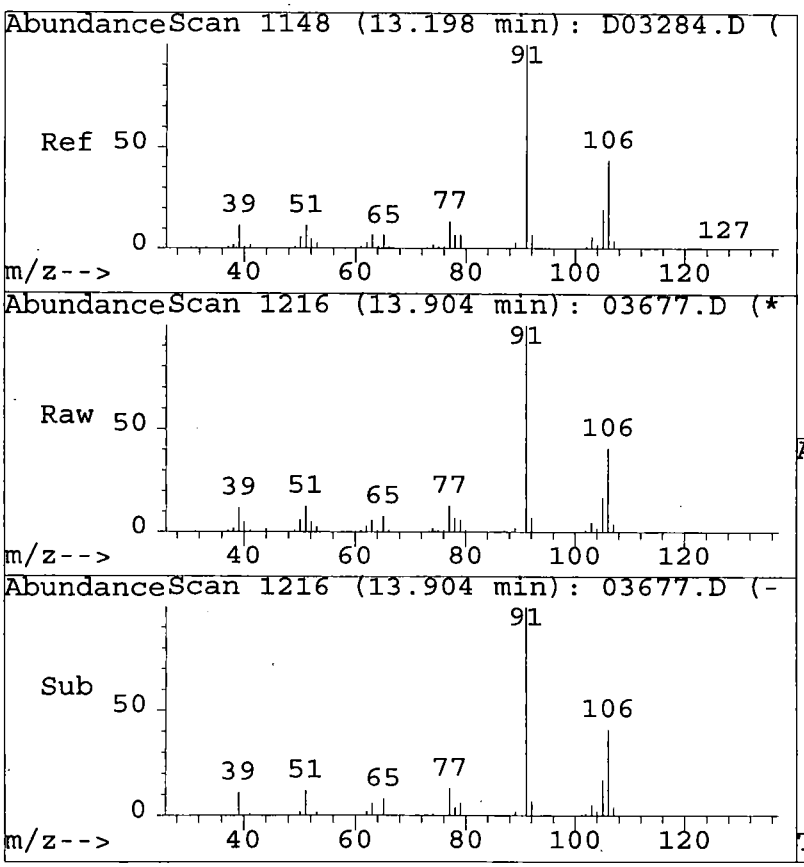


#63
Ortho Xylene
Concen: 59.54 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:106 Resp: 183710

Ion	Ratio	Lower	Upper
106	100		
91	242.8	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

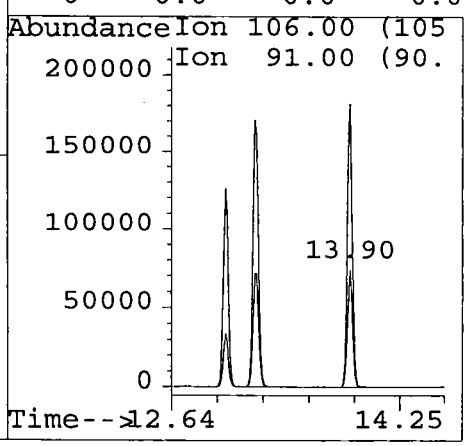




#64
Xylene (total)
Concen: 115.85 ug/L m
RT: 13.90 min Scan# 1216
Delta R.T. 0.68 min
Lab File: 03677.d
Acq: 5 May 98 9:26 pm

Tgt Ion:106 Resp: 378248

Ion	Ratio	Lower	Upper
106	100		
91	245.5	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

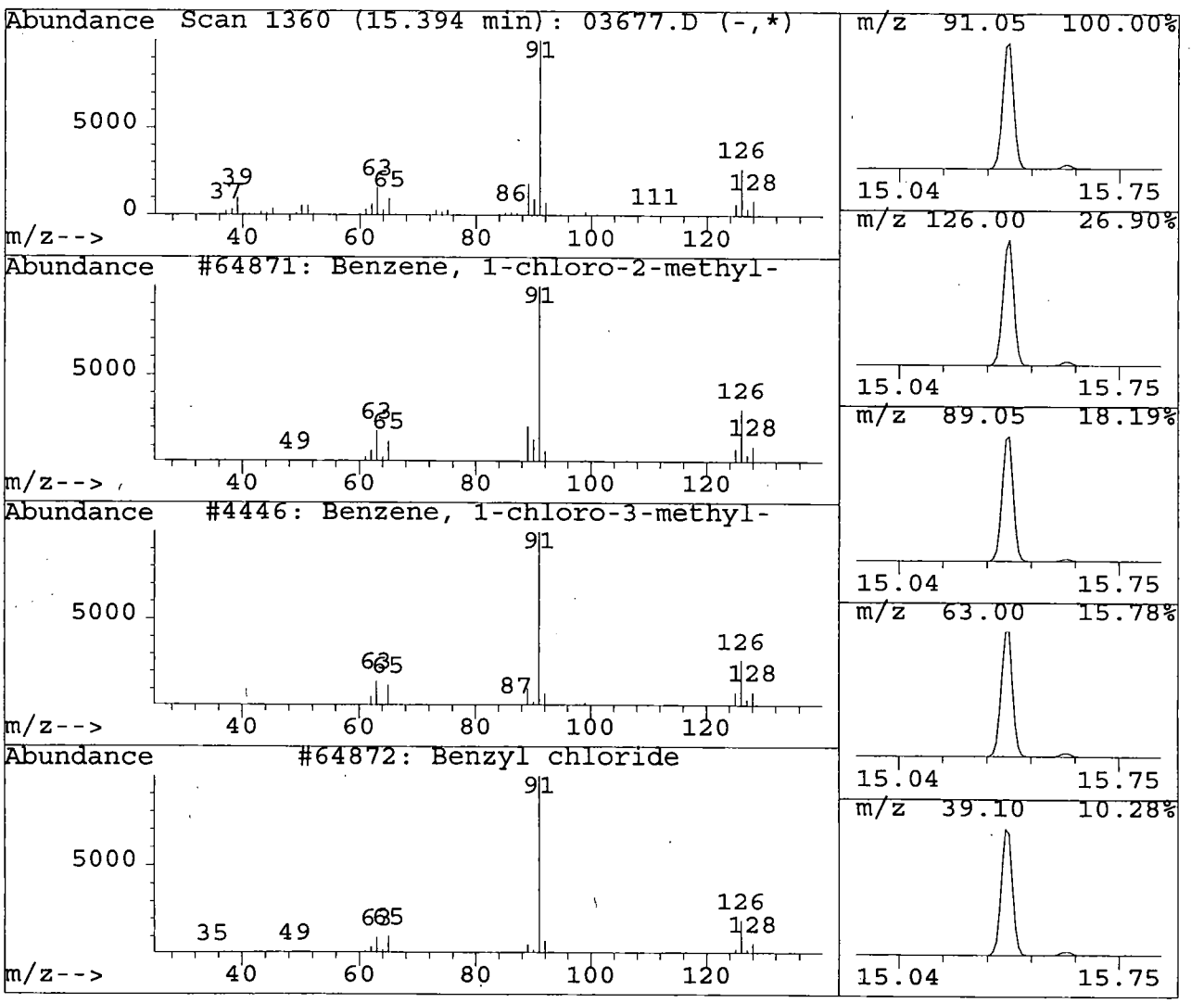
Data File : c:\hpchem\1\data\05_05_98\03677.d
Acq On : 5 May 98 9:26 pm
Sample : TLCEDW1*17
Misc : DIL5.0

Vial: 7
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.39	1444.79 ug/L	20689455	1,4-Dichlorobenze	3580002	16.82

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	64871	000095-49-8	96
2	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	93
3	Benzyl chloride	64872	000100-44-7	72
4	Benzene, 1-chloro-4-methyl-	64879	000106-43-4	64
5	1,3,5-Cycloheptatriene, 1-chloro-	4450	032743-66-1	47



Library Search Compound Report

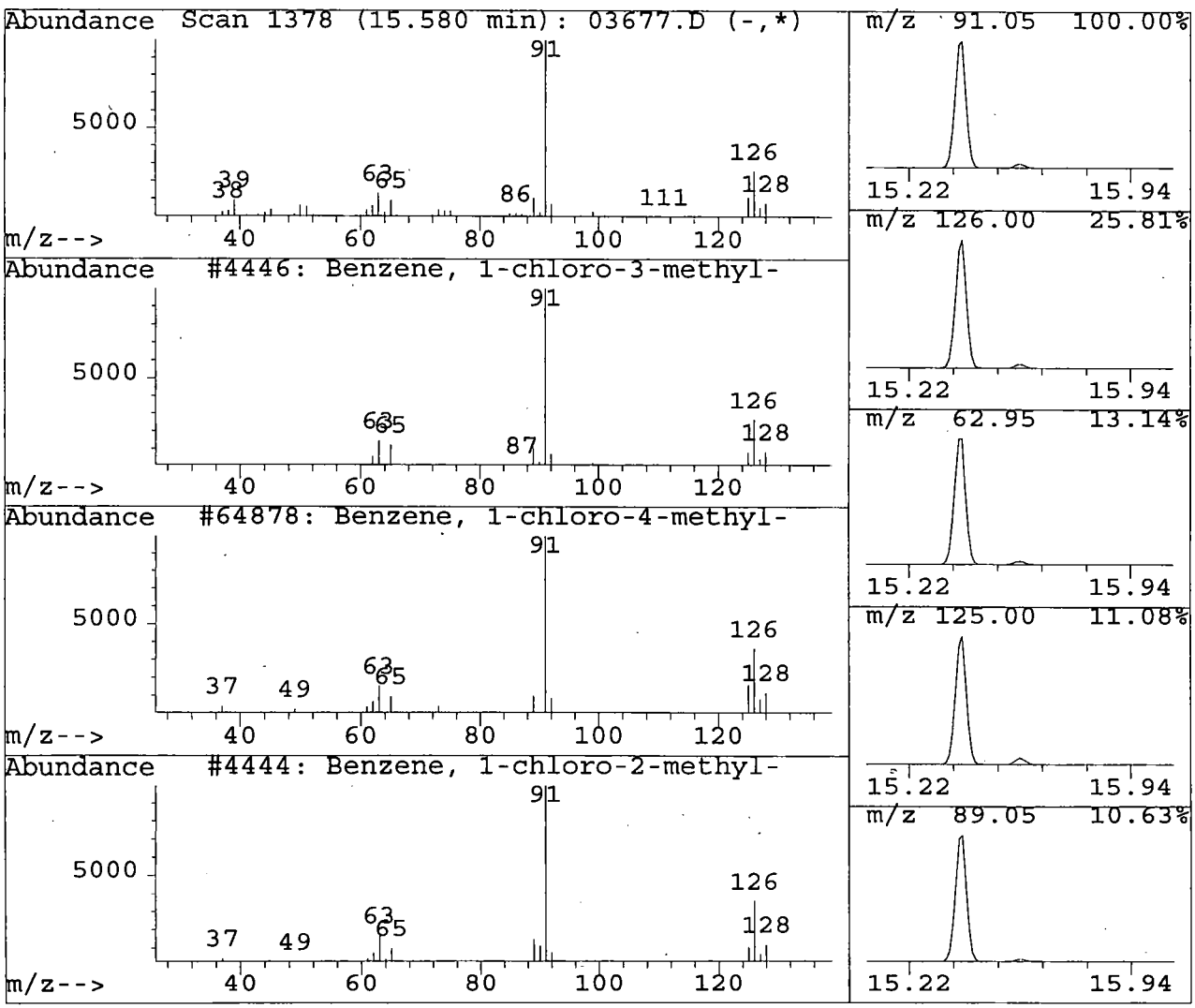
Data File : c:\hpchem\1\data\05_05_98\03677.d
Acq On : 5 May 98 9:26 pm
Sample : TLCEDW1*17
Misc : DIL5.0

Vial: 7
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.58	45.10 ug/L	645772	1,4-Dichlorobenze	3580002	16.82

Hit 3	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	97
2	Benzene, 1-chloro-4-methyl-	64878	000106-43-4	95
3	Benzene, 1-chloro-2-methyl-	4444	000095-49-8	91
4	Benzyl chloride	64874	000100-44-7	80
5	Hydrazinecarboxylic acid, phenylmet	13889	005331-43-1	53



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03678.d
Acq On : 5 May 98 9:57 pm
Sample : TLCEDW1*18
Misc : DIL5.0
Quant Time: May 12 17:54 1998

Vial: 8
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	562966	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1141327	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	1010313	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	478878	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.26	574	504877	49.15	ug/L	98.29%
32) Dibromofluoromethane	6.78	527	320575	44.27	ug/L	88.54%
47) Toluene-d8	10.37	874	1293936	43.21	ug/L	86.42%
51) Bromofluorobenzene	14.79	1301	477477	42.17	ug/L	84.33%
Target Compounds						**Qvalue**
28) Chloroform	6.54	504	4715	1.48	ug/L	96
38) Benzene	7.37	584	10611	1.37	ug/L	100
48) Toluene	10.48	885	14094853	*~~1764.70~~	ug/L	99
55) Tetrachloroethene	11.38	972	3183	2.27	ug/L	92
59) Chlorobenzene	12.79	1108	774461	176.96	ug/L	100
61) Ethylbenzene	13.02	1130	95484	40.77	ug/L	97
62) Meta + Para Xylene	13.22	1150	250500	~~**~~ 78.13	ug/L	100
63) Ortho Xylene	13.90	1215	205379	69.57	ug/L	98
~~64) Xylene (total)~~	~~13.22~~	~~1150~~	~~455935~~	~~145.95~~	~~ug/L m~~	99

48) Toluene – 2146.97 ug/L reported from 40X dil 03693.d

** Xylene (total) – ~~137.70~~ 147.70 ug/L WE 05/15/98

05/13/98

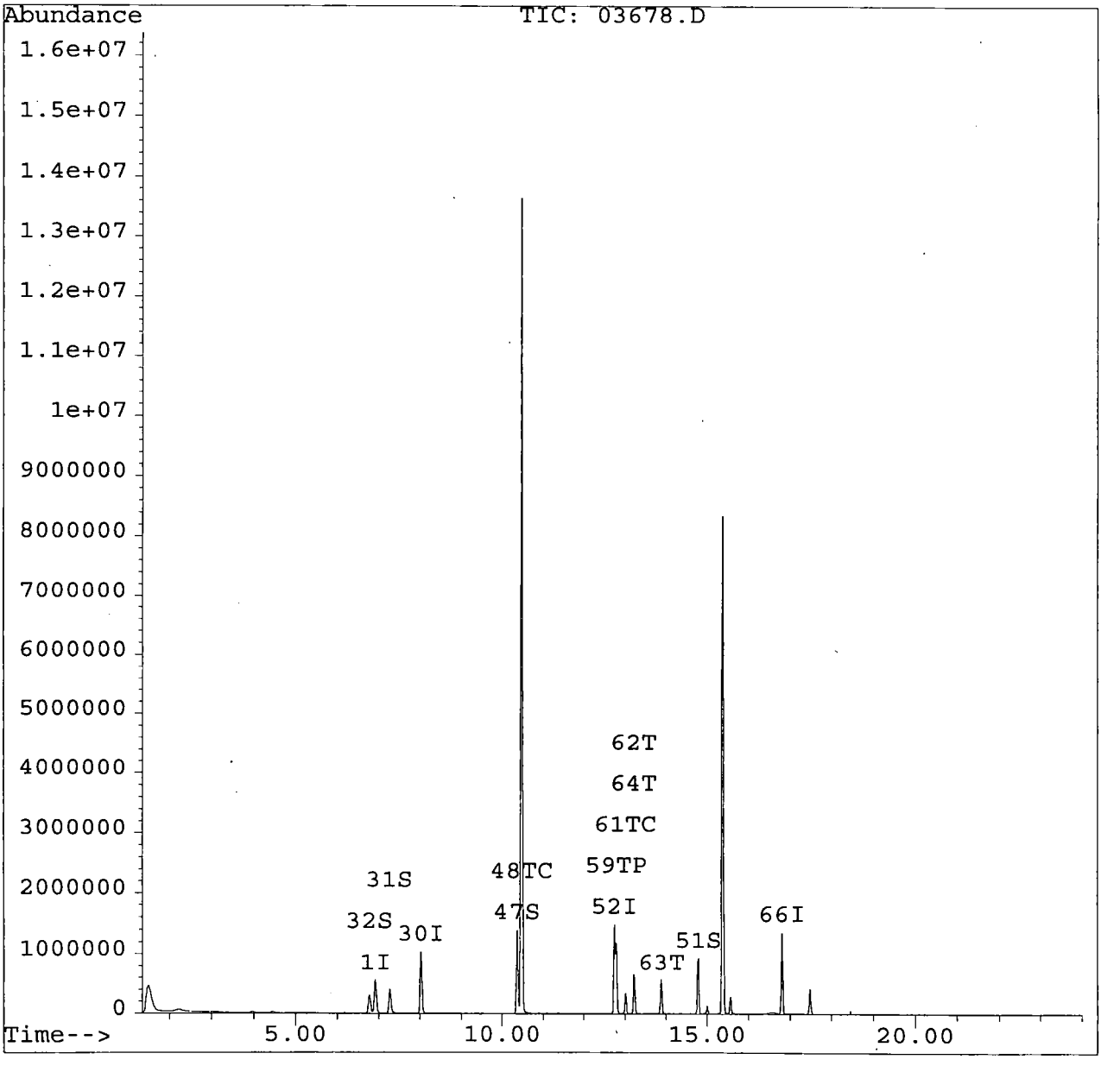
(#) = qualifier out of range (m) = manual integration
03678.d W8260ALL.M Tue May 12 18:22:05 1998 RP1 Page 1

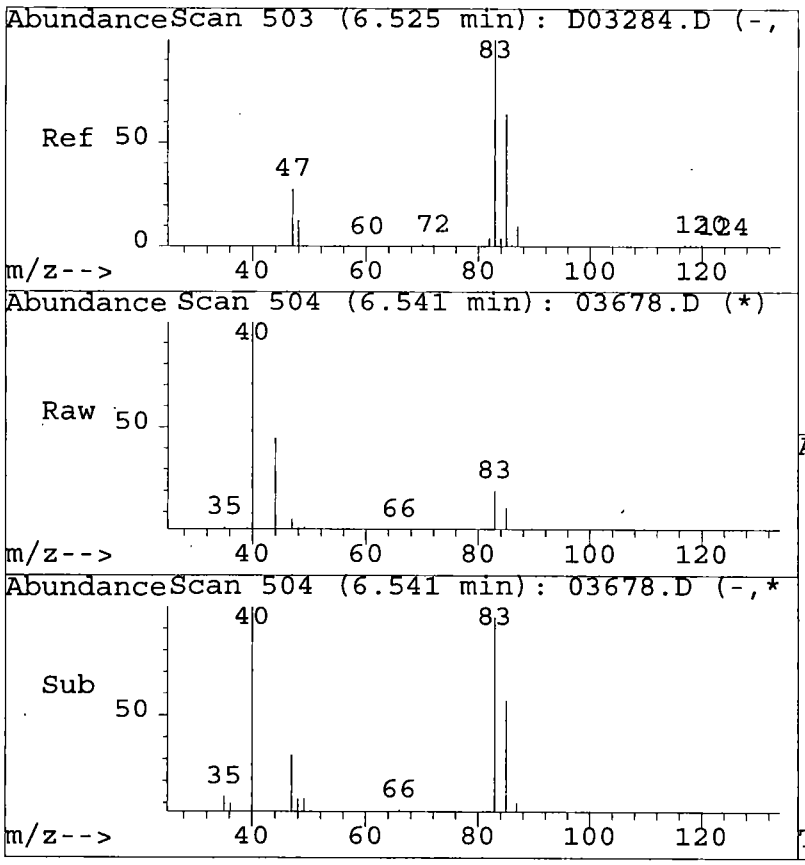
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03678.d
Acq On : 5 May 98 9:57 pm
Sample : TLCEDW1*18
Misc : DIL5.0
Quant Time: May 12 17:54 1998

Vial: 8
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

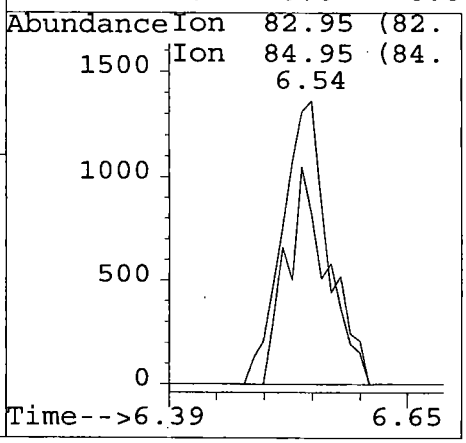


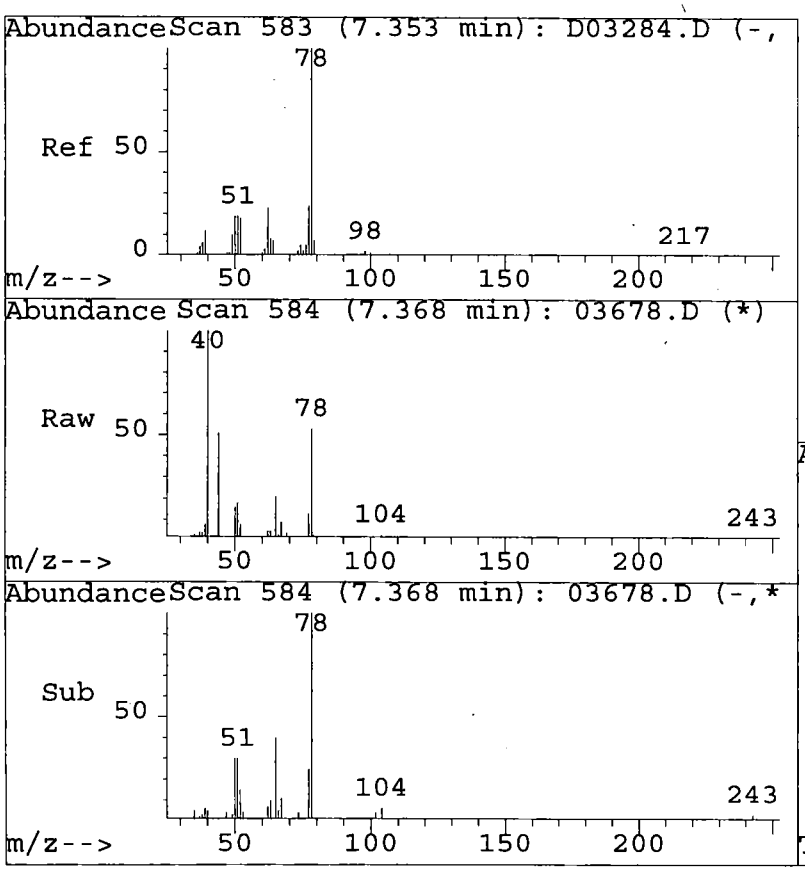


#28
Chloroform
Concen: 1.48 ug/L
RT: 6.54 min Scan# 504
Delta R.T. 0.01 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:82.95 Resp: 4715

Ion	Ratio	Lower	Upper
83	100		
85	67.6	0.0	164.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

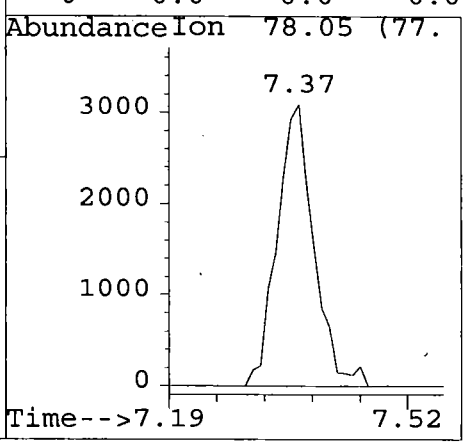


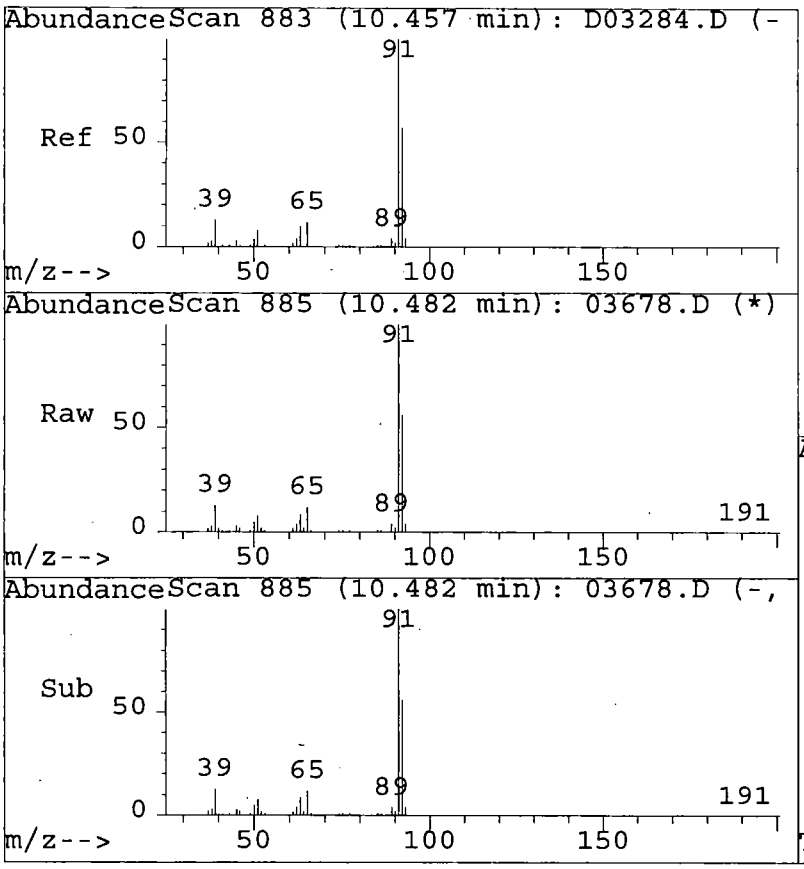


#38
Benzene
Concen: 1.37 ug/L
RT: 7.37 min Scan# 584
Delta R.T. 0.01 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:78.05 Resp: 10611

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

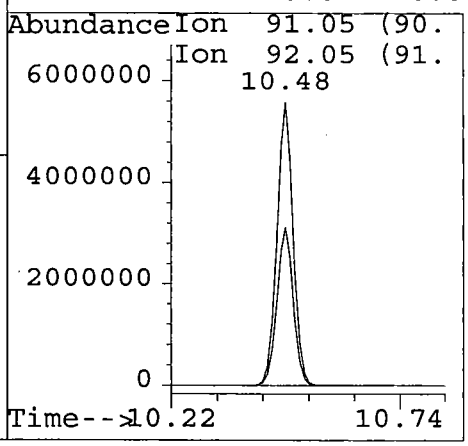


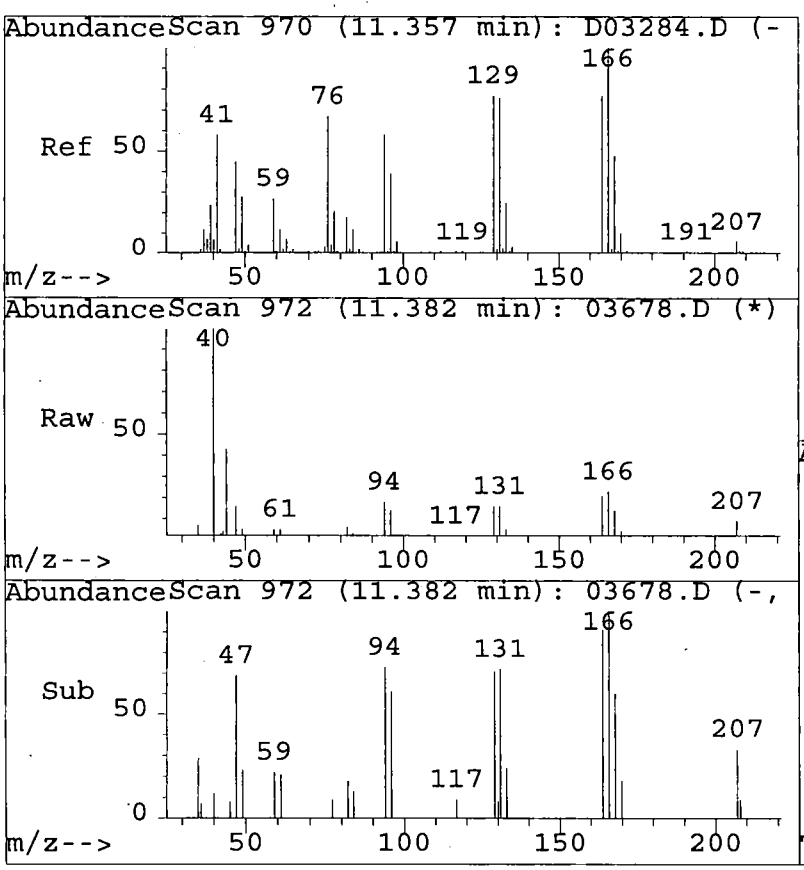


#48
Toluene
Concen: 1764.70 ug/L
RT: 10.48 min Scan# 885
Delta R.T. 0.01 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:91.05 Resp:14094853

Ion	Ratio	Lower	Upper
91	100		
92	56.5	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

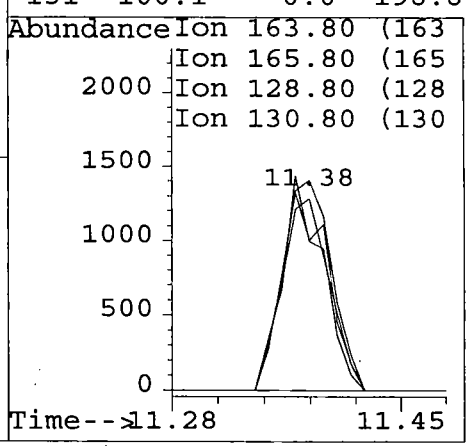


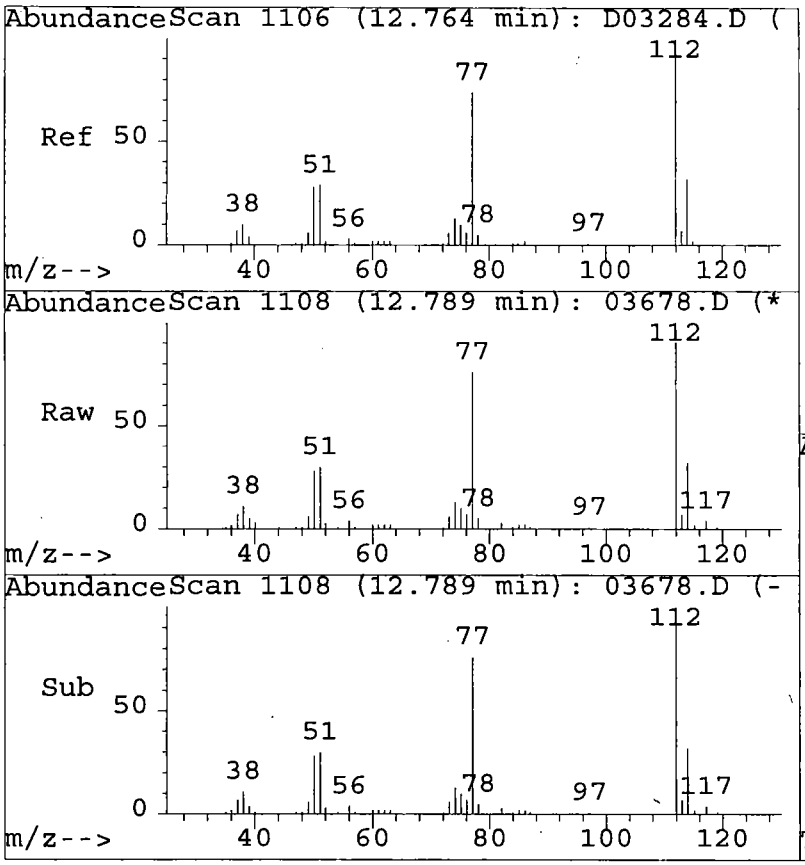


#55
Tetrachloroethene
Concen: 2.27 ug/L
RT: 11.38 min Scan# 972
Delta R.T. 0.00 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:163.8 Resp: 3183

Ion	Ratio	Lower	Upper
164	100		
166	113.1	28.6	228.6
129	95.1	3.2	203.2
131	100.1	0.0	198.8

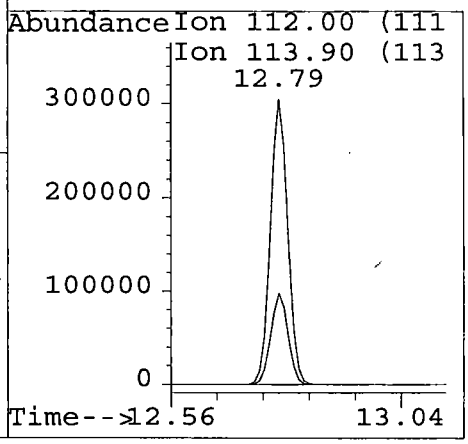


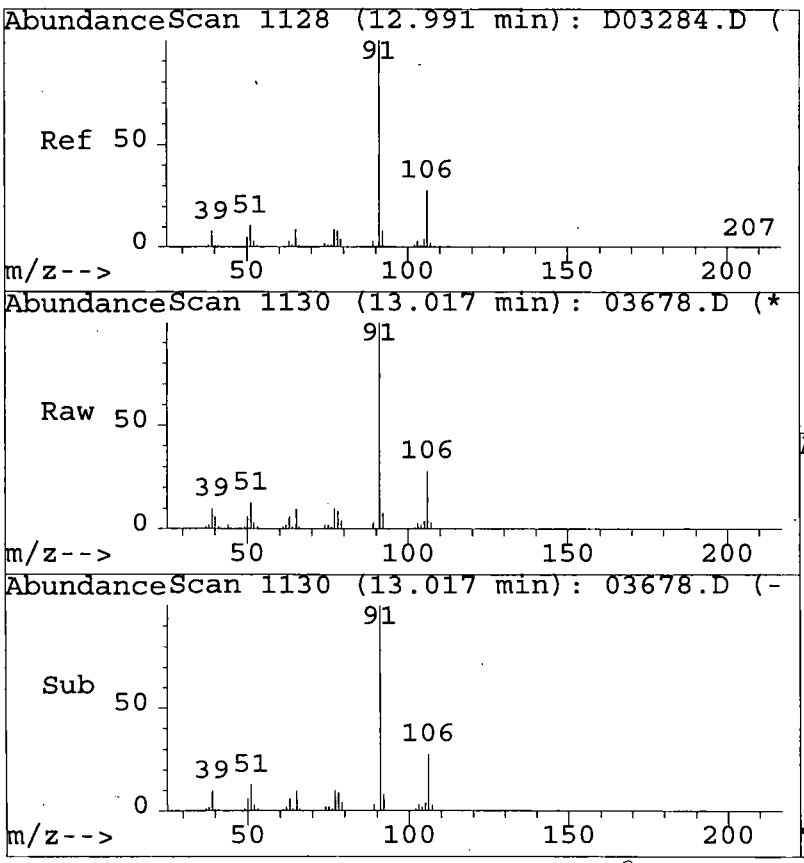


#59
Chlorobenzene
Concen: 176.96 ug/L
RT: 12.79 min Scan# 1108
Delta R.T. 0.00 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:112 Resp: 774461

Ion	Ratio	Lower	Upper
112	100		
114	31.8	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

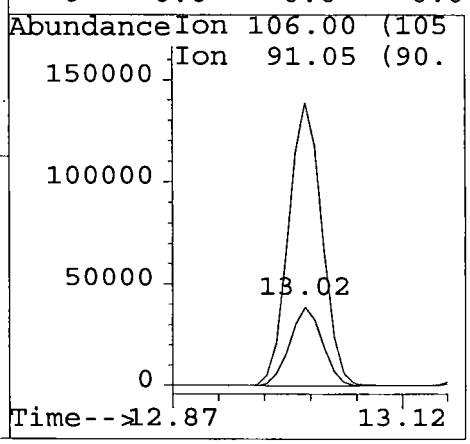


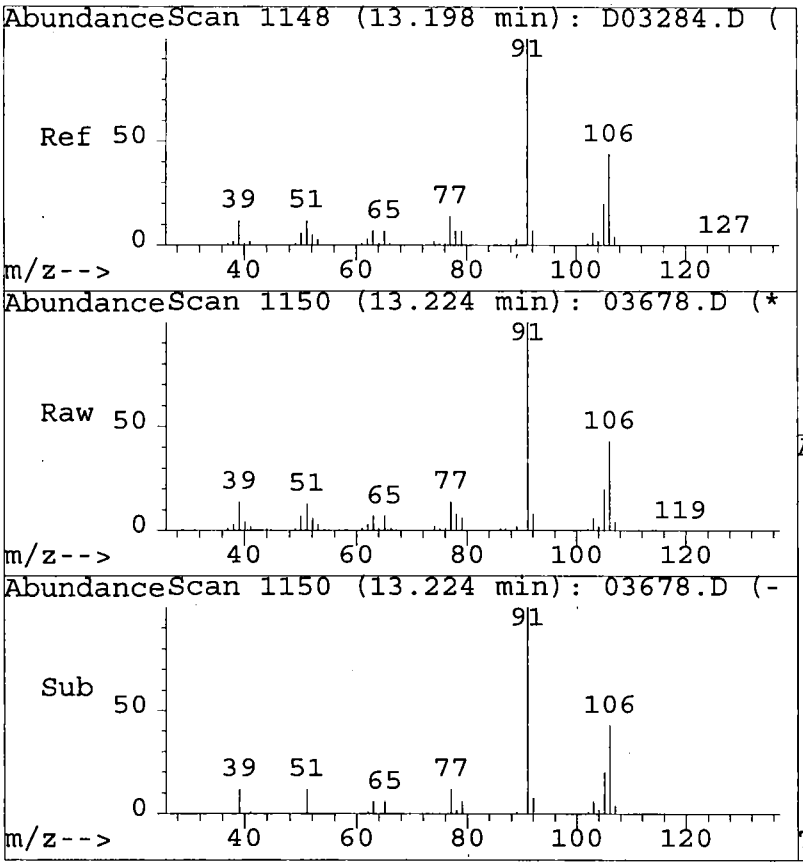


#61
Ethylbenzene
Concen: 40.77 ug/L
RT: 13.02 min Scan# 1130
Delta R.T. 0.00 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:106 Resp: 95484

Ion	Ratio	Lower	Upper
106	100		
91	364.9	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

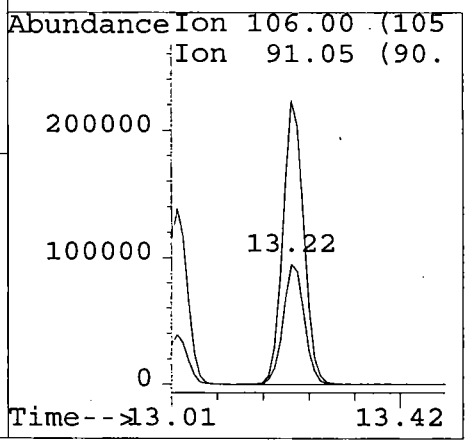


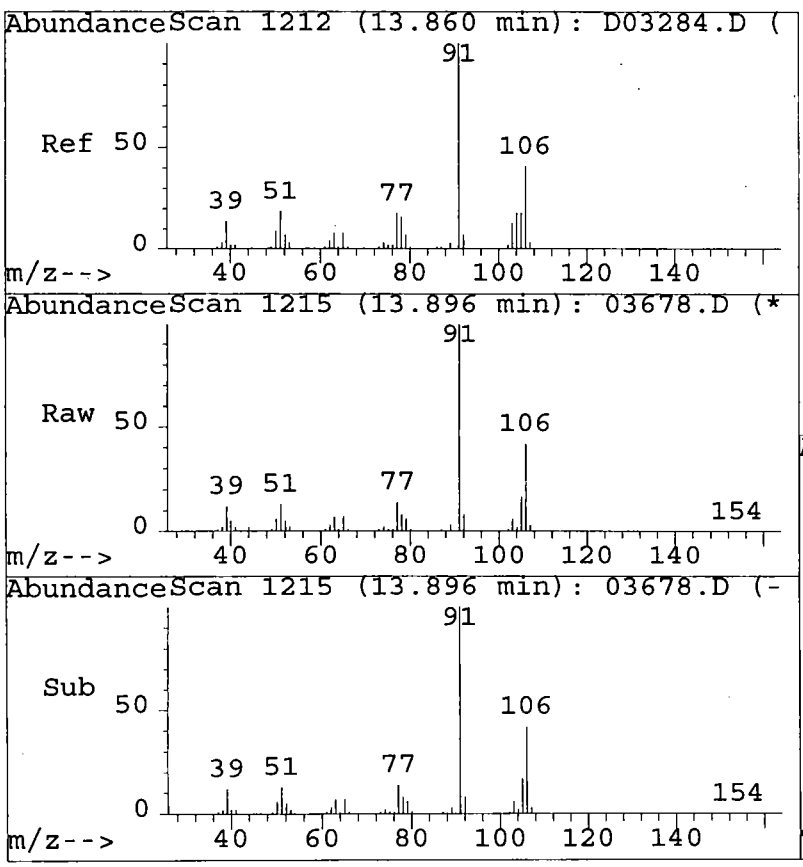


#62
Meta + Para Xylene
Concen: 78.13 ug/L
RT: 13.22 min Scan# 1150
Delta R.T. 0.00 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:106 Resp: 250500

Ion	Ratio	Lower	Upper
106	100		
91	233.3	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

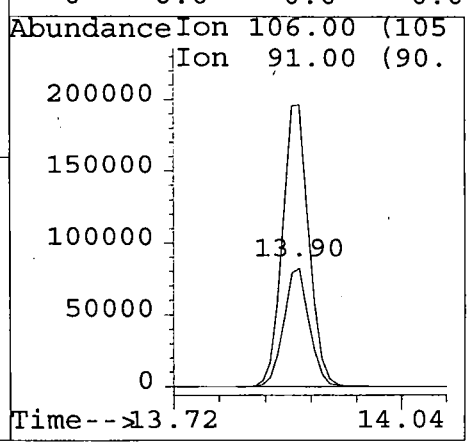


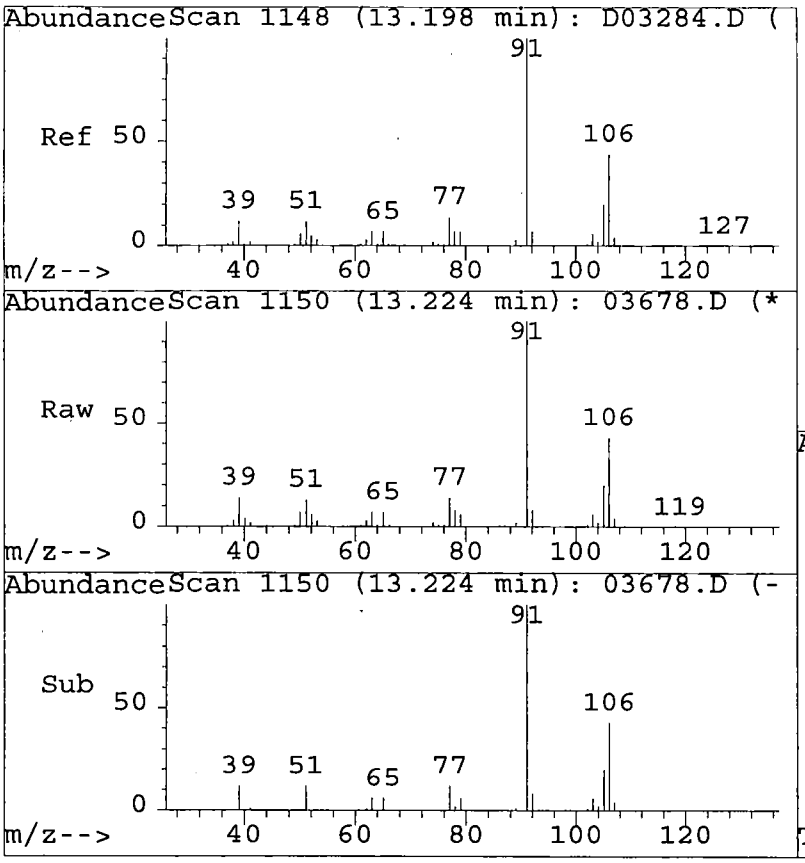


#63
Ortho Xylene
Concen: 69.57 ug/L
RT: 13.90 min Scan# 1215
Delta R.T. 0.00 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:106 Resp: 205379

Ion	Ratio	Lower	Upper
106	100		
91	246.2	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

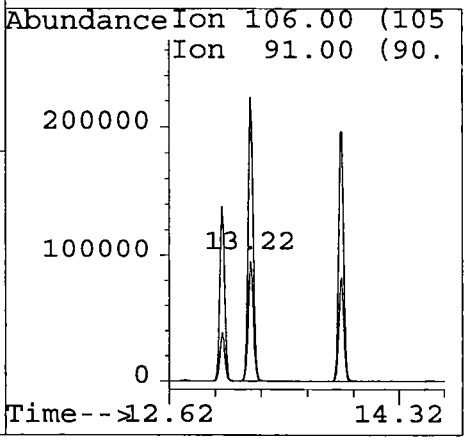




#64
Xylene (total)
Concen: 145.95 ug/L m
RT: 13.22 min Scan# 1150
Delta R.T. 0.00 min
Lab File: 03678.d
Acq: 5 May 98 9:57 pm

Tgt Ion:106 Resp: 455935

Ion	Ratio	Lower	Upper
106	100		
91	235.2	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

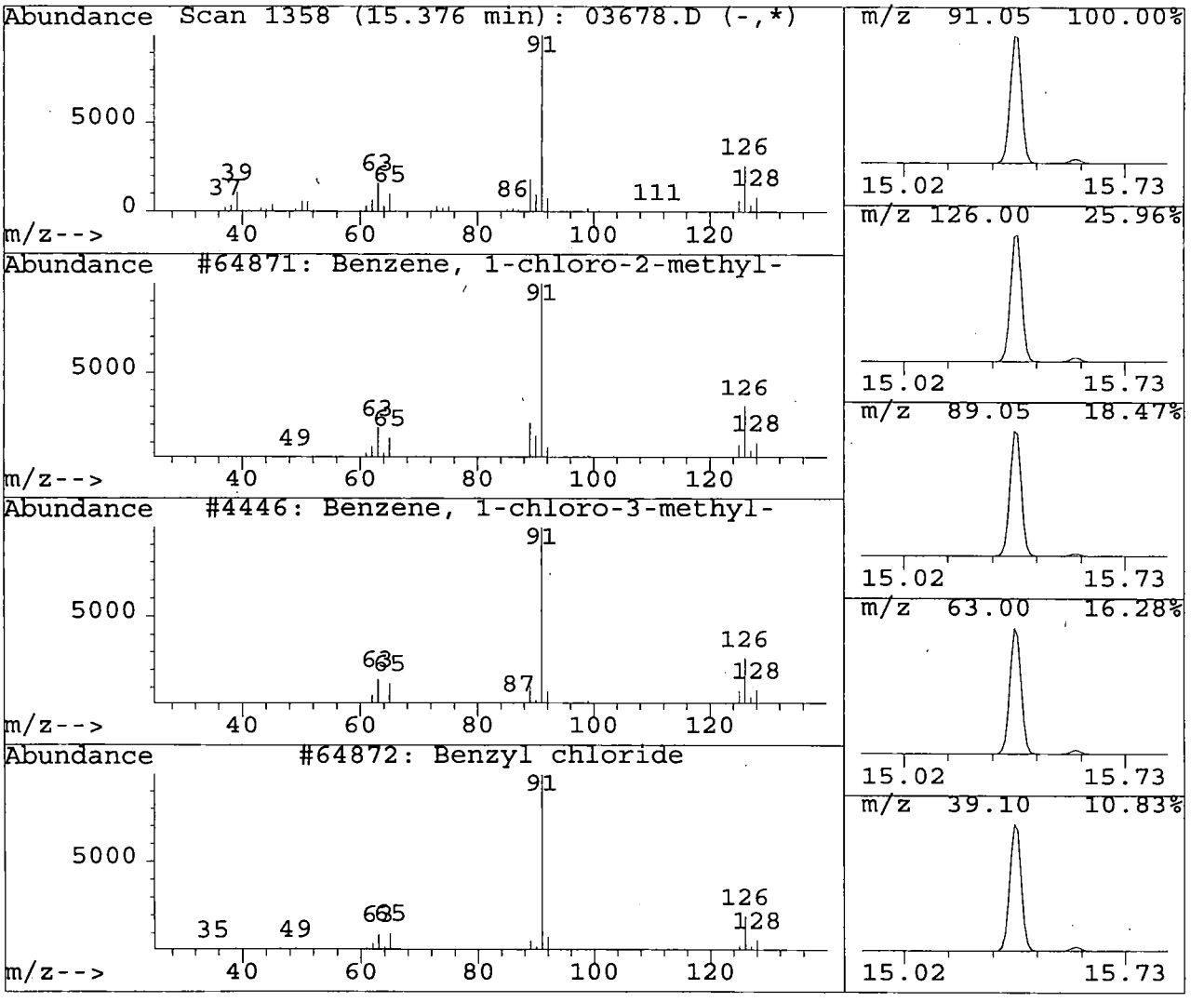
Data File : c:\hpchem\1\data\05_05_98\03678.d
Acq On : 5 May 98 9:57 pm
Sample : TLCEDW1*18
Misc : DIL5.0

Vial: 8
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.38	1541.74 ug/L	21353228	1,4-Dichlorobenze	3462519	16.81

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	64871	000095-49-8	96
2	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	93
3	Benzyl chloride	64872	000100-44-7	87
4	Benzene, 1-chloro-4-methyl-	64878	000106-43-4	50
5	1,3,5-Cycloheptatriene, 1-chloro-	4450	032743-66-1	47



Library Search Compound Report

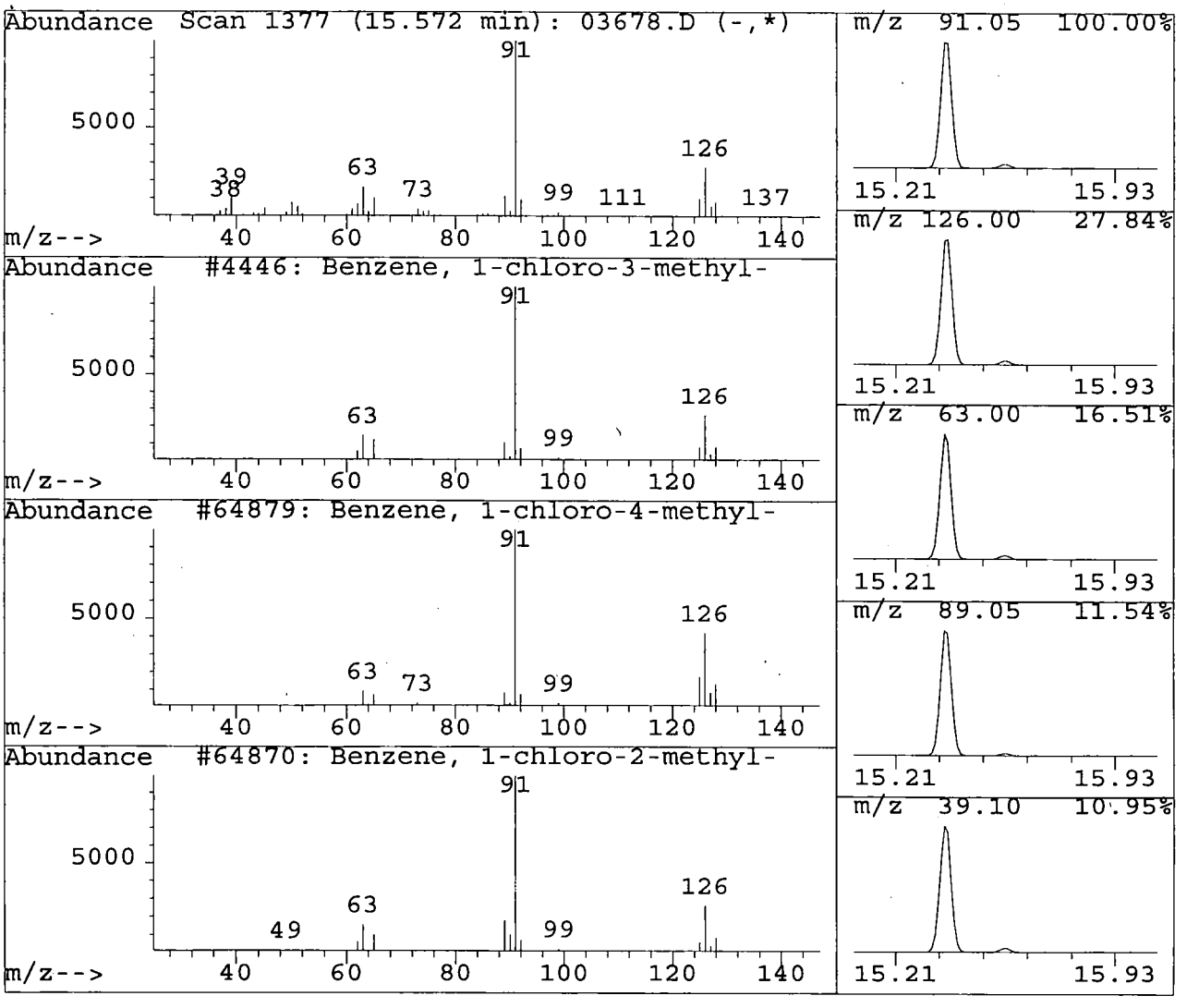
Data File : c:\hpchem\1\data\05_05_98\03678.d
Acq On : 5 May 98 9:57 pm
Sample : TLCEDW1*18
Misc : DIL5.0

Vial: 8
Operator:
Inst : VOA8
Multiplr: 5.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.57	48.39 ug/L	670255	1,4-Dichlorobenze	3462519	16.81

Hit 3	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	97
2	Benzene, 1-chloro-4-methyl-	64879	000106-43-4	94
3	Benzene, 1-chloro-2-methyl-	64870	000095-49-8	91
4	Benzyl chloride	64872	000100-44-7	87
5	Hydrazinecarboxylic acid, phenylmet	13889	005331-43-1	42



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03680.d
Acq On : 5 May 98 10:57 pm
Sample : TLCEDW1*19
Misc : DIL100
Quant Time: May 12 17:57 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 100.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	461128	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	1063528	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	1069370	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	488592	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.27	575	498879	52.11	ug/L	104.23%
32) Dibromofluoromethane	6.79	528	316495	46.90	ug/L	93.81%
47) Toluene-d8	10.39	876	1252462	44.89	ug/L	89.77%
51) Bromofluorobenzene	14.78	1301	539329	51.11	ug/L	102.22%
Target Compounds						Qvalue
38) Benzene	7.37	584	4945	13.73	ug/L	100
55) Tetrachloroethene	11.38	972	9468	127.59	ug/L	95
59) Chlorobenzene	12.80	1109	29714	128.29	ug/L	98
61) Ethylbenzene	13.03	1131	197327	1592.00	ug/L	98
62) Meta + Para Xylene	13.23	1151	989919**	5833.69	ug/L	99
63) Ortho Xylene	13.89	1215	231200	1479.79	ug/L	97
~~64) Xylene (total)~~	~~13.23~~	~~1151~~	~~1221448~~	~~7387.88~~	~~ug/L m~~	100

48) Toluene reported from 2000x dil
226,623 ug/L

This compound saturated the column and Mass spec and did not Quant w/this run. When diluted into a reasonable range it Quantitated see file 03694

05/13/98

** Xylene (total) — 7313.48 ug/L

05/13/98

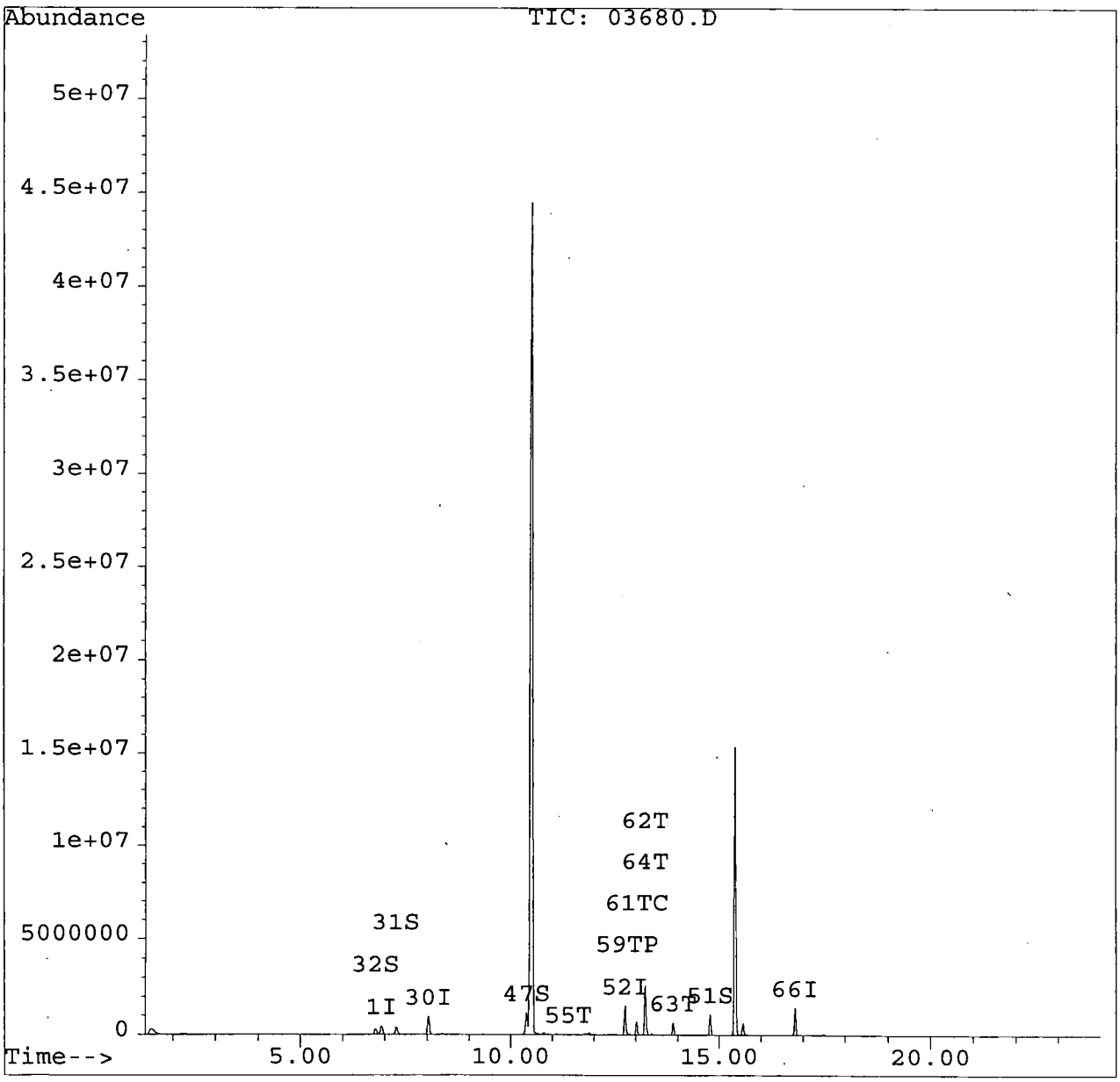
(#) = qualifier out of range (m) = manual integration
03680.d W8260ALL.M Tue May 12 18:23:10 1998 RP1 Page 1

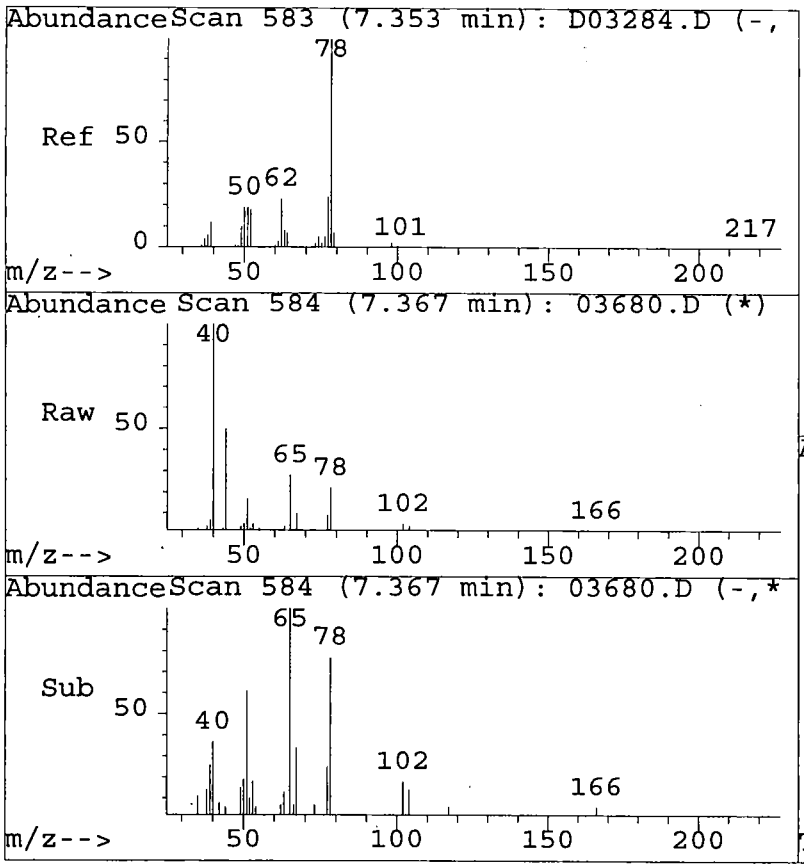
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03680.d
Acq On : 5 May 98 10:57 pm
Sample : TLCEDW1*19
Misc : DIL100
Quant Time: May 12 17:57 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 100.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

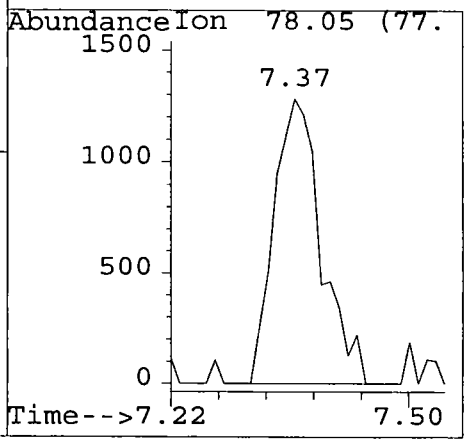


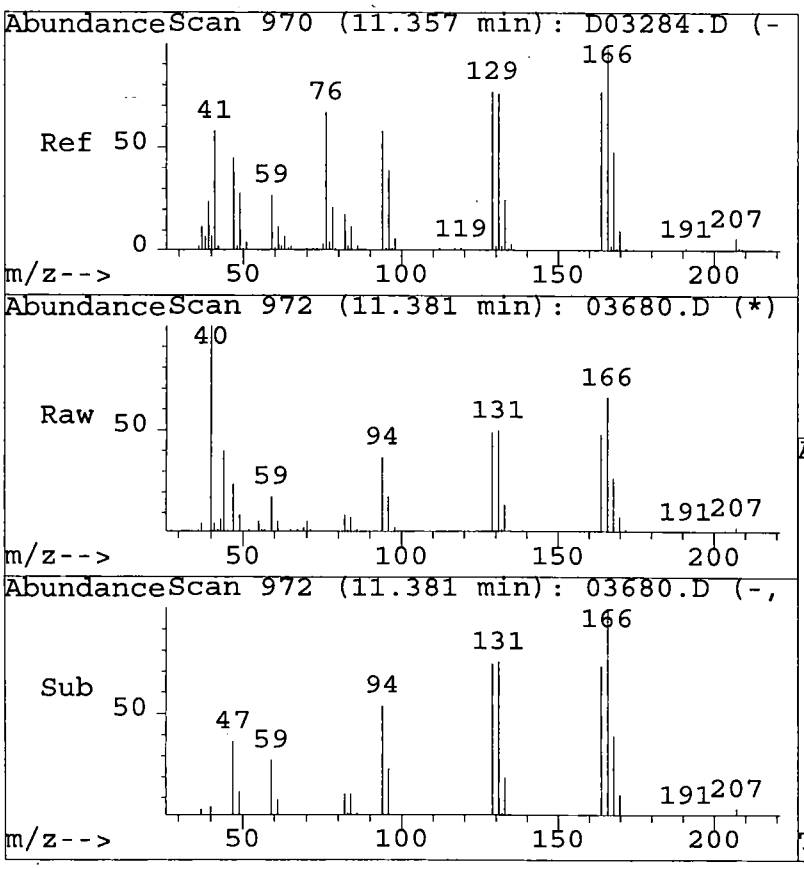


#38
Benzene
Concen: 13.73 ug/L
RT: 7.37 min Scan# 584
Delta R.T. 0.01 min
Lab File: 03680.d
Acq: 5 May 98 10:57 pm

Tgt Ion:78.05 Resp: 4945

Ion	Ratio	Lower	Upper
78	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0

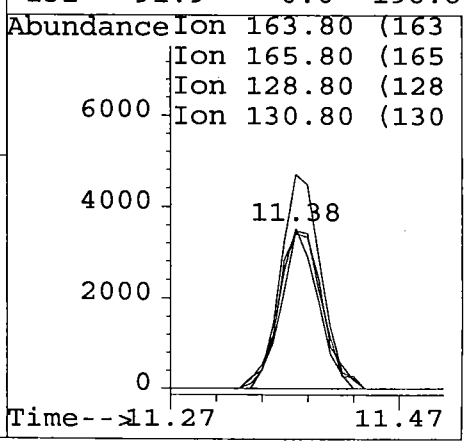


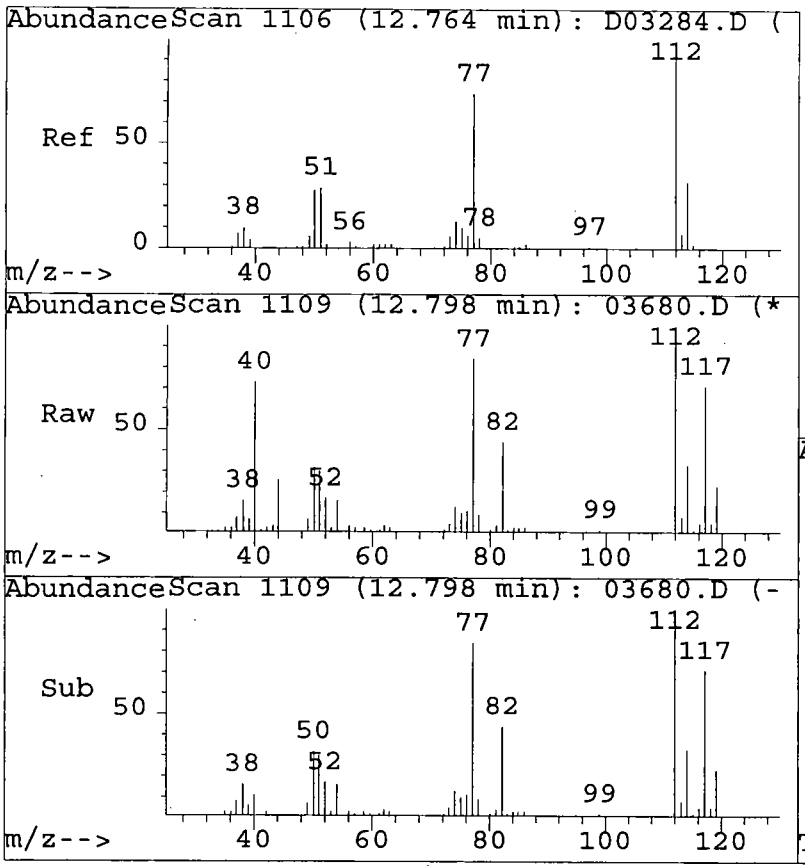


#55
Tetrachloroethene
Concen: 127.59 ug/L
RT: 11.38 min Scan# 972
Delta R.T. -0.00 min
Lab File: 03680.d
Acq: 5 May 98 10:57 pm

Tgt Ion:163.8 Resp: 9468

Ion	Ratio	Lower	Upper
164	100		
166	127.2	28.6	228.6
129	95.1	3.2	203.2
131	91.9	0.0	198.8

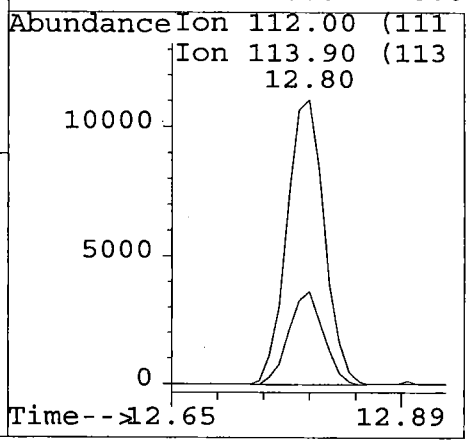


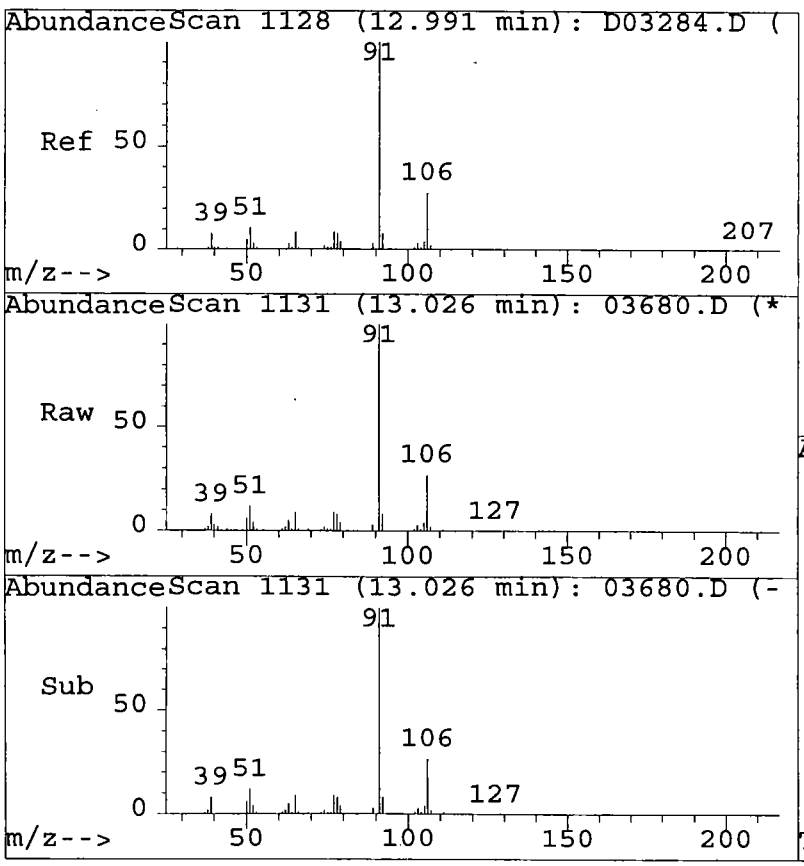


#59
Chlorobenzene
Concen: 128.29 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03680.d
Acq: 5 May 98 10:57 pm

Tgt Ion:112 Resp: 29714

Ion	Ratio	Lower	Upper
112	100		
114	30.2	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

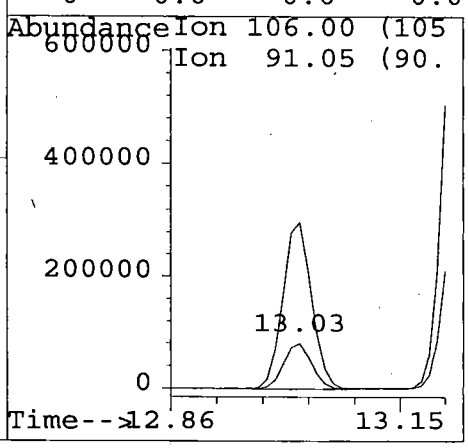


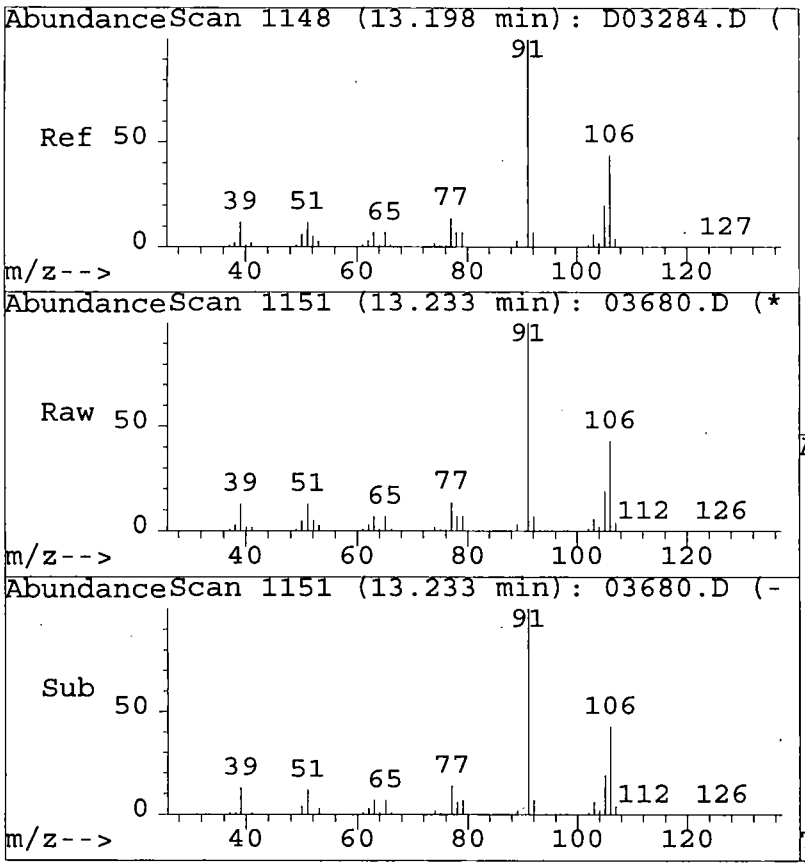


#61
Ethylbenzene
Concen: 1592.00 ug/L
RT: 13.03 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03680.d
Acq: 5 May 98 10:57 pm

Tgt Ion:106 Resp: 197327

Ion	Ratio	Lower	Upper
106	100		
91	375.8	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

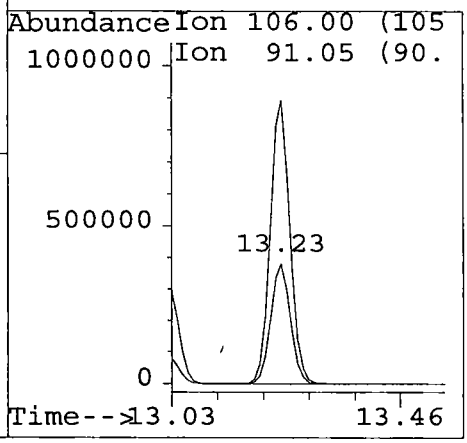


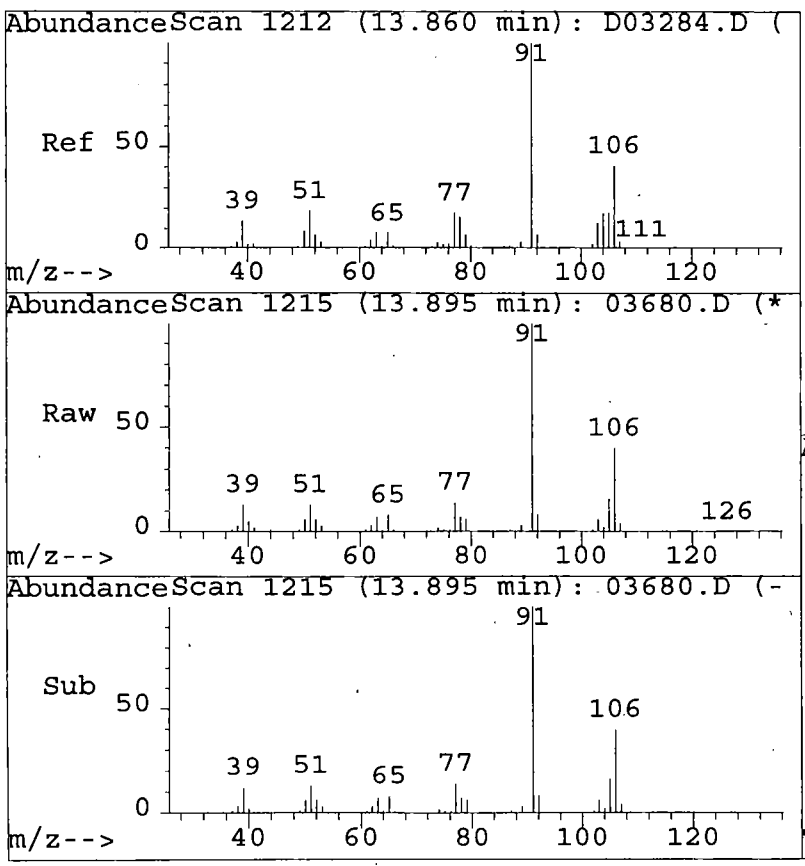


#62
Meta + Para Xylene
Concen: 5833.69 ug/L
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03680.d
Acq: 5 May 98 10:57 pm

Tgt Ion:106 Resp: 989919

Ion	Ratio	Lower	Upper
106	100		
91	234.4	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

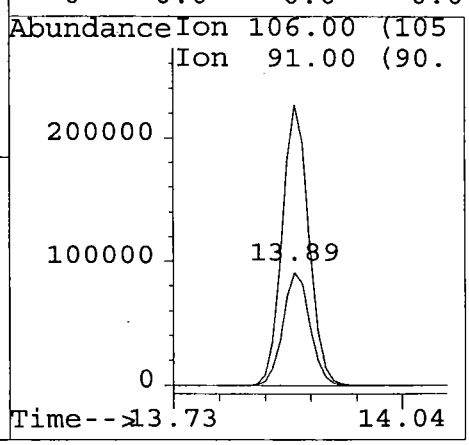


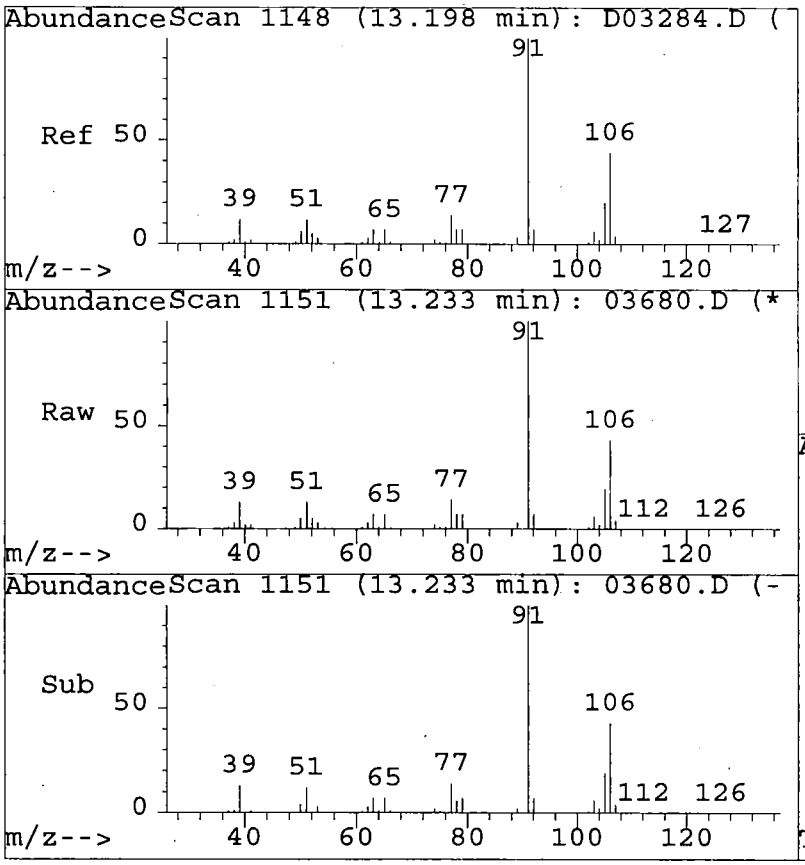


#63
Ortho Xylene
Concen: 1479.79 ug/L
RT: 13.89 min Scan# 1215
Delta R.T. -0.00 min
Lab File: 03680.d
Acq: 5 May 98 10:57 pm

Tgt Ion:106 Resp: 231200

Ion	Ratio	Lower	Upper
106	100		
91	248.0	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0

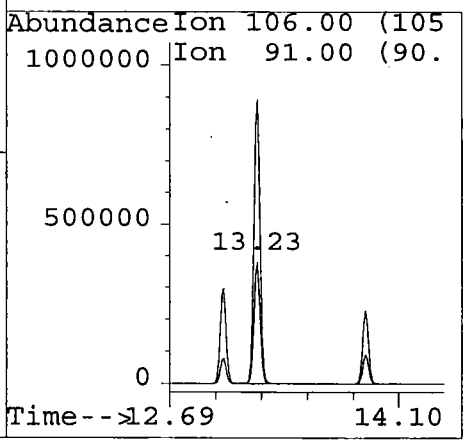




#64
Xylene (total)
Concen: 7387.88 ug/L m
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03680.d
Acq: 5 May 98 10:57 pm

Tgt Ion:106 Resp: 1221448

Ion	Ratio	Lower	Upper
106	100		
91	235.2	187.8	281.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



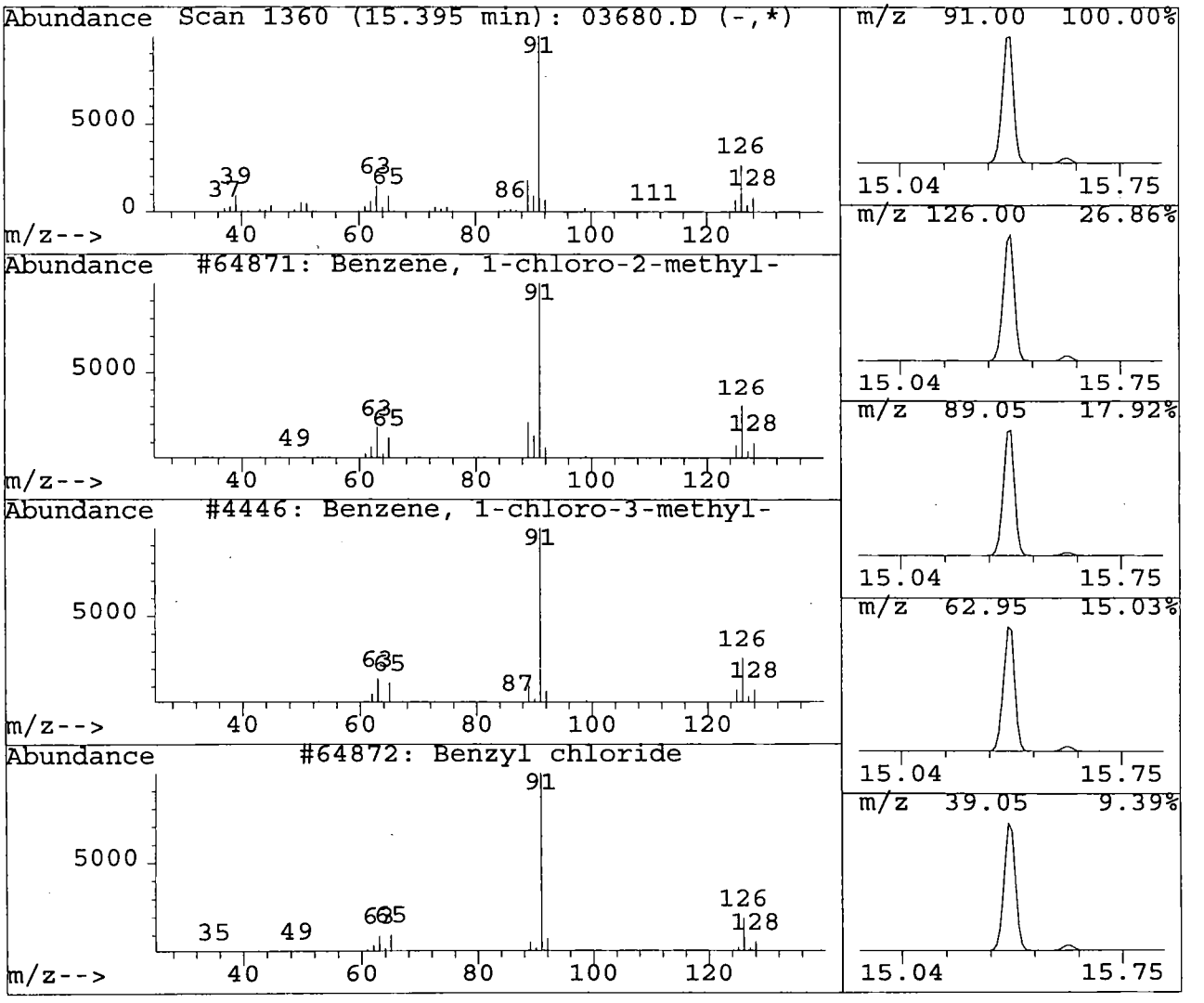
Library Search Compound Report

Data File : c:\hpchem\1\data\05_05_98\03680.d Vial: 10
Acq On : 5 May 98 10:57 pm Operator:
Sample : TLCEDW1*19 Inst : VOA8
Misc : DIL100 Multiplr: 100.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.39	56849.81 ug/L	39621921	1,4-Dichlorobenze	3484789	16.81

Hit 3	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	64871	000095-49-8	96
2	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	93
3	Benzyl chloride	64872	000100-44-7	83
4	Hydrazinecarboxylic acid, phenylmet	13889	005331-43-1	53
5	Benzene, 1-chloro-4-methyl-	4448	000106-43-4	52



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03681.d
Acq On : 5 May 98 11:27 pm
Sample : MB*STORAGE*1
Misc :
Quant Time: May 12 17:57 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	404639	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	930736	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.74	1104	817049	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	415805	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	474547	56.65	ug/L	113.29%
32) Dibromofluoromethane	6.78	528	312137	52.86	ug/L	105.71%
47) Toluene-d8	10.37	875	1193949	48.89	ug/L	97.79%
51) Bromofluorobenzene	14.78	1301	483443	52.35	ug/L	104.71%
Target Compounds						**Qvalue**
16) Methylene Chloride	3.99	258	23528	3.55	ug/L	93

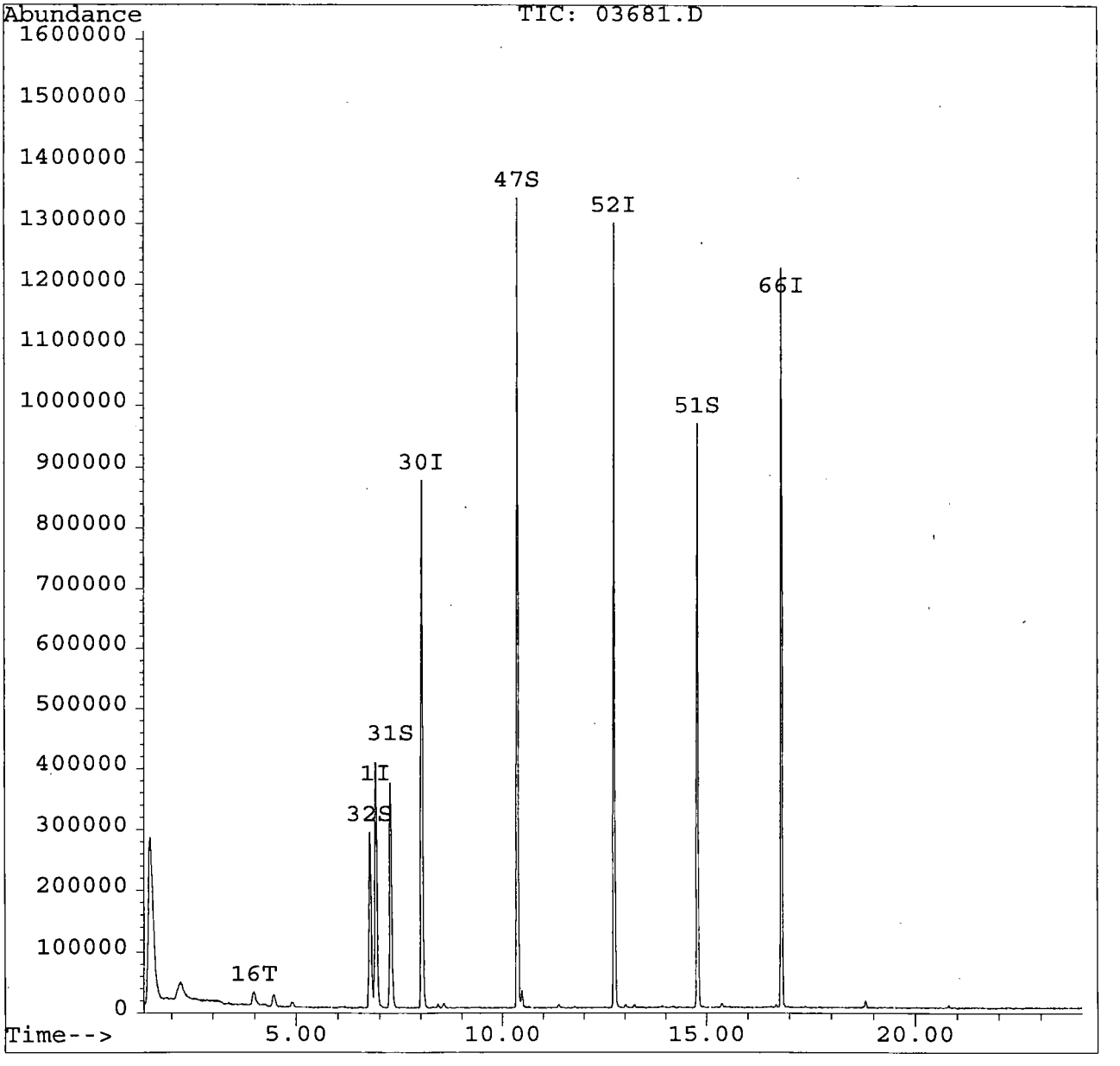
(#) = qualifier out of range (m) = manual integration

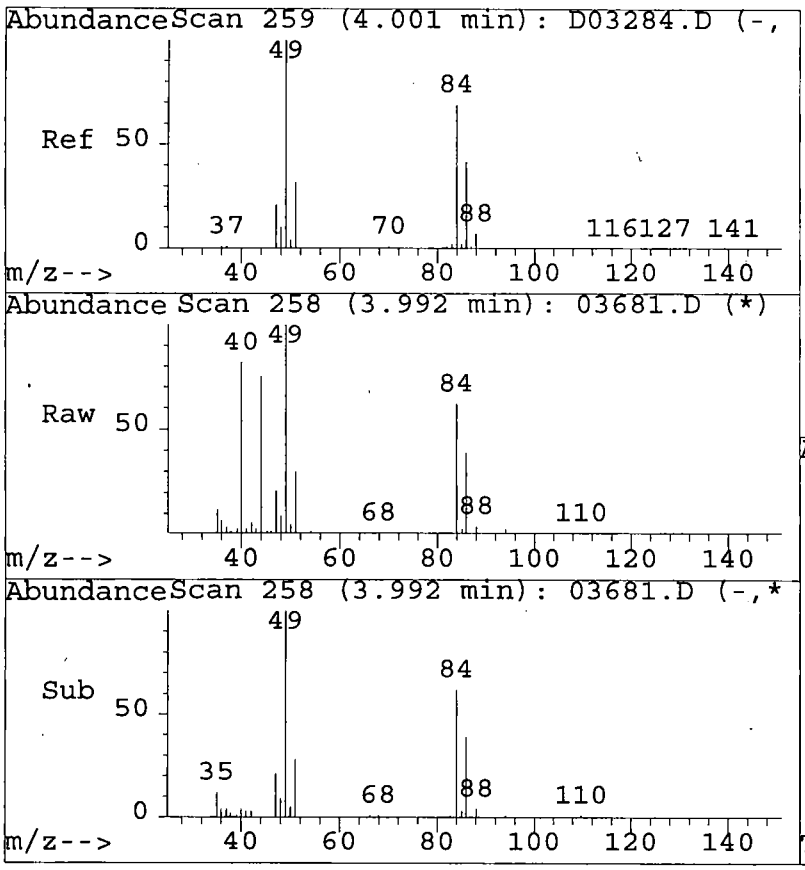
Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03681.d
Acq On : 5 May 98 11:27 pm
Sample : MB*STORAGE*1
Misc :
Quant Time: May 12 17:57 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

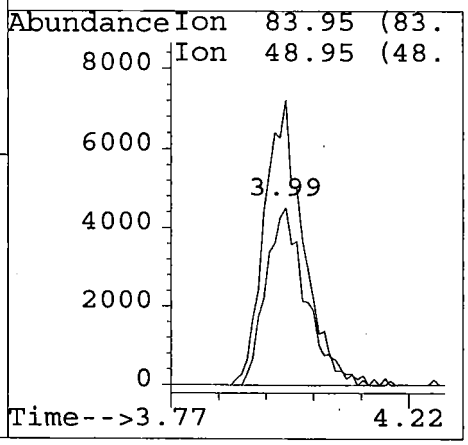




#16
Methylene Chloride
Concen: 3.55 ug/L
RT: 3.99 min Scan# 258
Delta R.T. 0.02 min
Lab File: 03681.d
Acq: 5 May 98 11:27 pm

Tgt Ion:83.95 Resp: 23528

Ion	Ratio	Lower	Upper
84	100		
49	156.2	47.6	247.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03682.d
Acq On : 5 May 98 11:57 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 6 11:22 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	549492	50.00 ug/L	0.01
30) 1,4-Difluorobenzene	8.04	649	1086730	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.75	1104	965977	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	442809	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	485323	49.62 ug/L	99.23%
32) Dibromofluoromethane	6.79	528	321407	46.61 ug/L	93.23%
47) Toluene-d8	10.38	875	1391478	48.80 ug/L	97.61%
51) Bromofluorobenzene	14.79	1301	521742	48.39 ug/L	96.78%
Target Compounds					**Qvalue**
3) Chloromethane	1.82	48	213718	19.68 ug/L	99
4) Vinyl Chloride	1.94	59	168552	16.93 ug/L	99
5) Bromomethane	2.26	90	159217	17.54 ug/L	95
6) Chloroethane	2.37	101	141806	27.40 ug/L	99
7) Trichlorofluoromethane	2.67	130	165377	13.73 ug/L	99
8) 1,1-Dichloroethene	3.30	191	112430	17.58 ug/L	98
11) Acetone	3.38	199	53818	24.23 ug/L	72
12) Carbon Disulfide	3.55	215	482425	18.14 ug/L	99
16) Methylene Chloride	3.98	257	201026	22.35 ug/L	99
18) trans-1,2-Dichloroethene	4.43	300	142044	19.72 ug/L	99
19) 1,1-Dichloroethane	5.08	363	289631	19.49 ug/L	99
21) Vinyl Acetate	5.23	377	346710	24.07 ug/L	99
23) cis-1,2-Dichloroethene	6.00	452	250443	17.36 ug/L	89
24) 2-Butanone	6.06	458	14857	19.69 ug/L	88
28) Chloroform	6.54	504	287513	18.52 ug/L	100
29) 1,1,1-Trichloroethane	6.79	528	202088	18.17 ug/L	98
35) 1,2-Dichloroethane	7.40	587	260409	20.28 ug/L	100
36) Carbon Tetrachloride	7.06	554	140692	15.72 ug/L	98
38) Benzene	7.37	584	685581	18.63 ug/L	100
39) Trichloroethene	8.42	686	116633	16.09 ug/L	98
41) 1,2-Dichloropropane	8.74	717	172049	18.09 ug/L	99
43) Bromodichloromethane	9.22	763	232325	20.80 ug/L	99
45) cis-1,3-Dichloropropene	9.95	834	262582	19.35 ug/L	100
46) 4-Methyl-2-pentanone	10.23	861	140714	20.09 ug/L	99
48) Toluene	10.48	885	675957	17.78 ug/L	100
49) trans-1,3-Dichloropropene	10.87	923	228925	19.57 ug/L	100
50) 1,1,2-Trichloroethane	11.15	950	116191	19.21 ug/L	89
55) Tetrachloroethene	11.38	972	77565	11.57 ug/L	98
57) 2-Hexanone	11.62	995	90481	19.46 ug/L	100
58) Dibromochloromethane	11.79	1011	118946	18.44 ug/L	97
59) Chlorobenzene	12.80	1109	371738	17.77 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03682.d
Acq On : 5 May 98 11:57 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 6 11:22 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
61) Ethylbenzene	13.03	1131	187981	16.79 ug/L	97
62) Meta + Para Xylene	13.23	1151	235204	15.34 ug/L	97
64) Xylene (total)	13.23	1151	235204	15.75 ug/L	98
65) Styrene	13.93	1218	409703	15.44 ug/L	89
67) Bromoform	14.19	1243	69733	21.95 ug/L	98
70) 1,1,2,2-Tetrachloroethane	15.09	1330	143299	22.86 ug/L	100

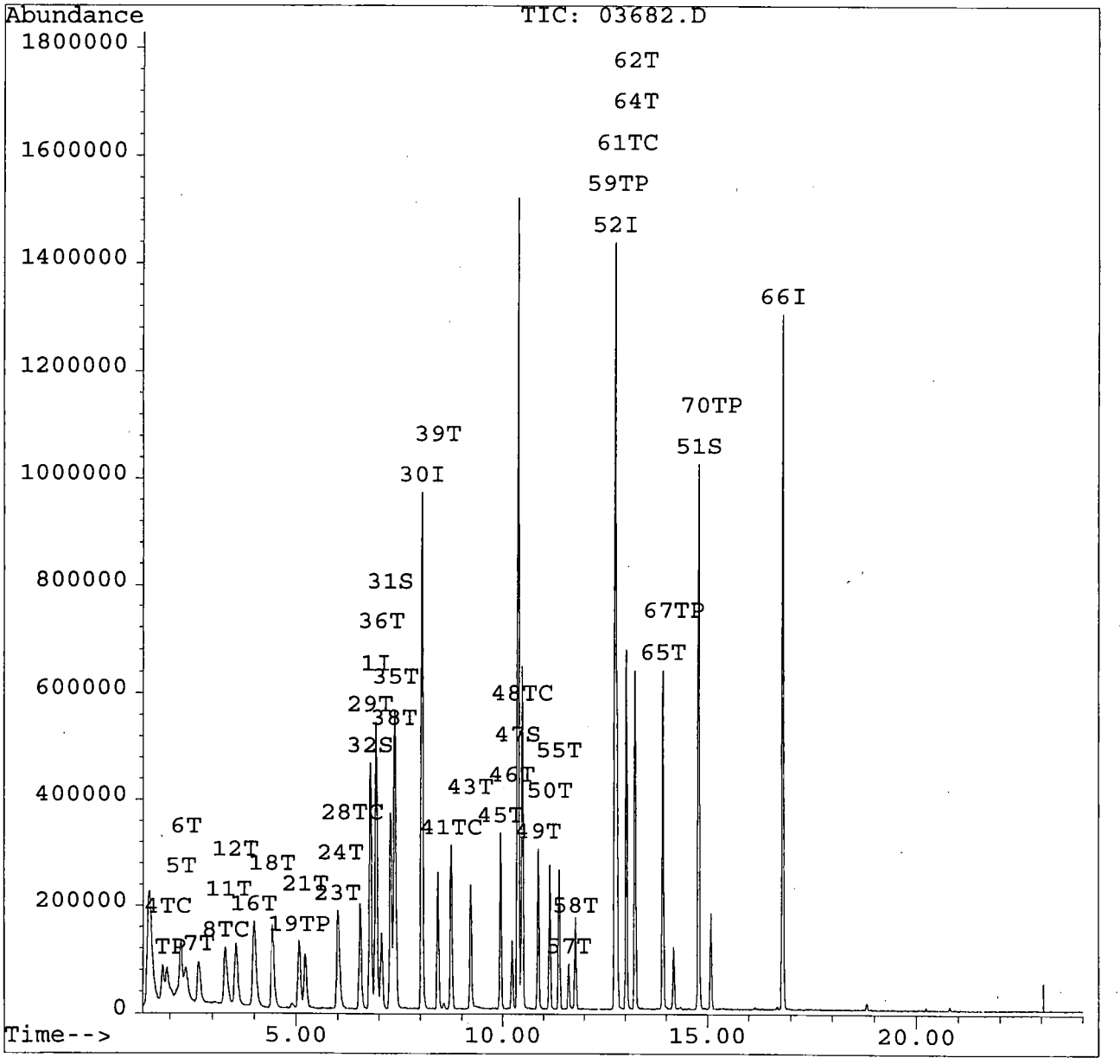
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_05_98\03682.d
Acq On : 5 May 98 11:57 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 6 11:22 1998

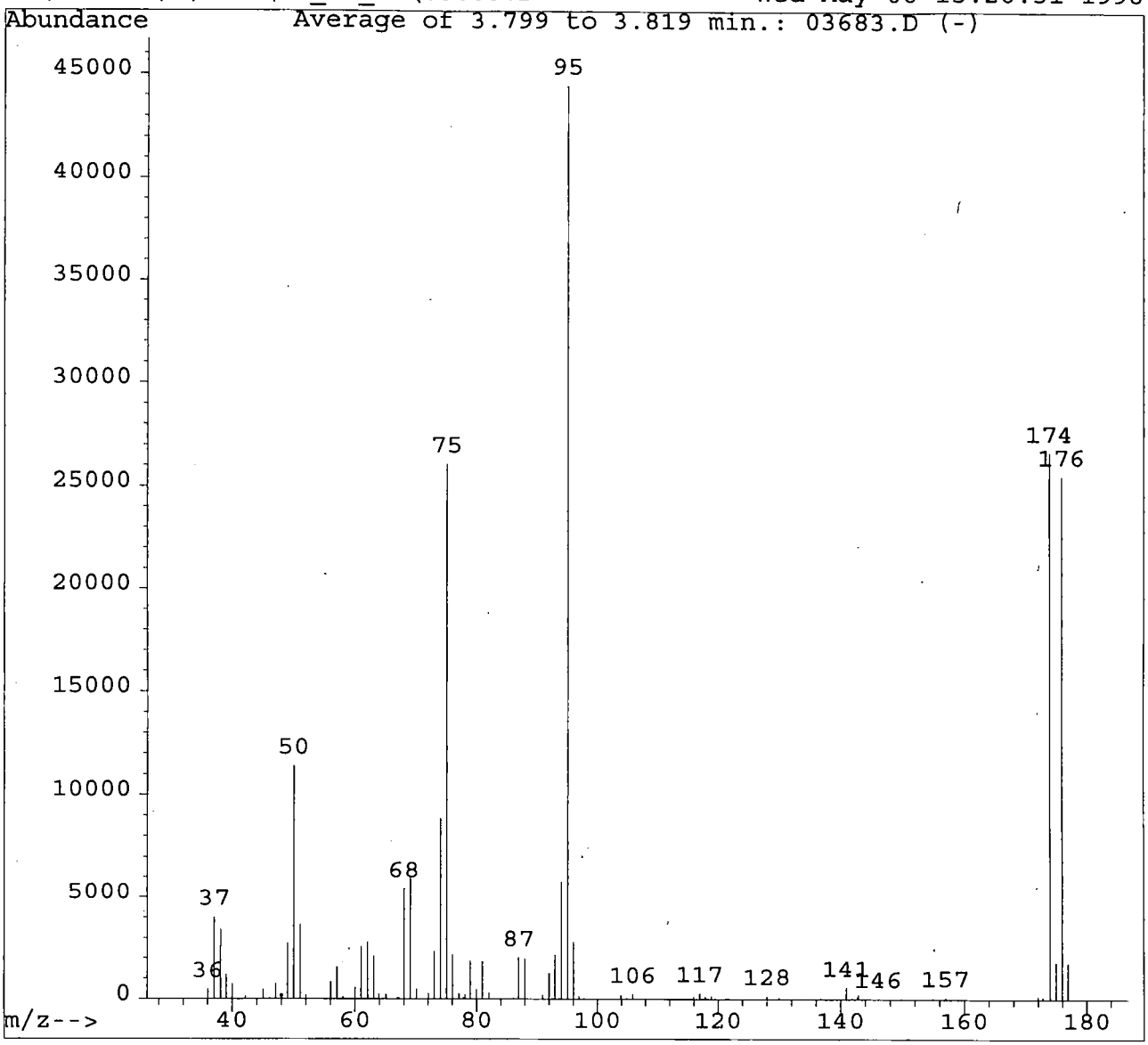
Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_05_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



CLP 3/90 BFB TUNE CHECK Results

C:\HPCHEM\1\DATA\05_06_98\03683.D Wed May 06 15:26:31 1998



Peak Apex is scan: 171
Average of 3 scans: 170,171,172 minus background scan 160

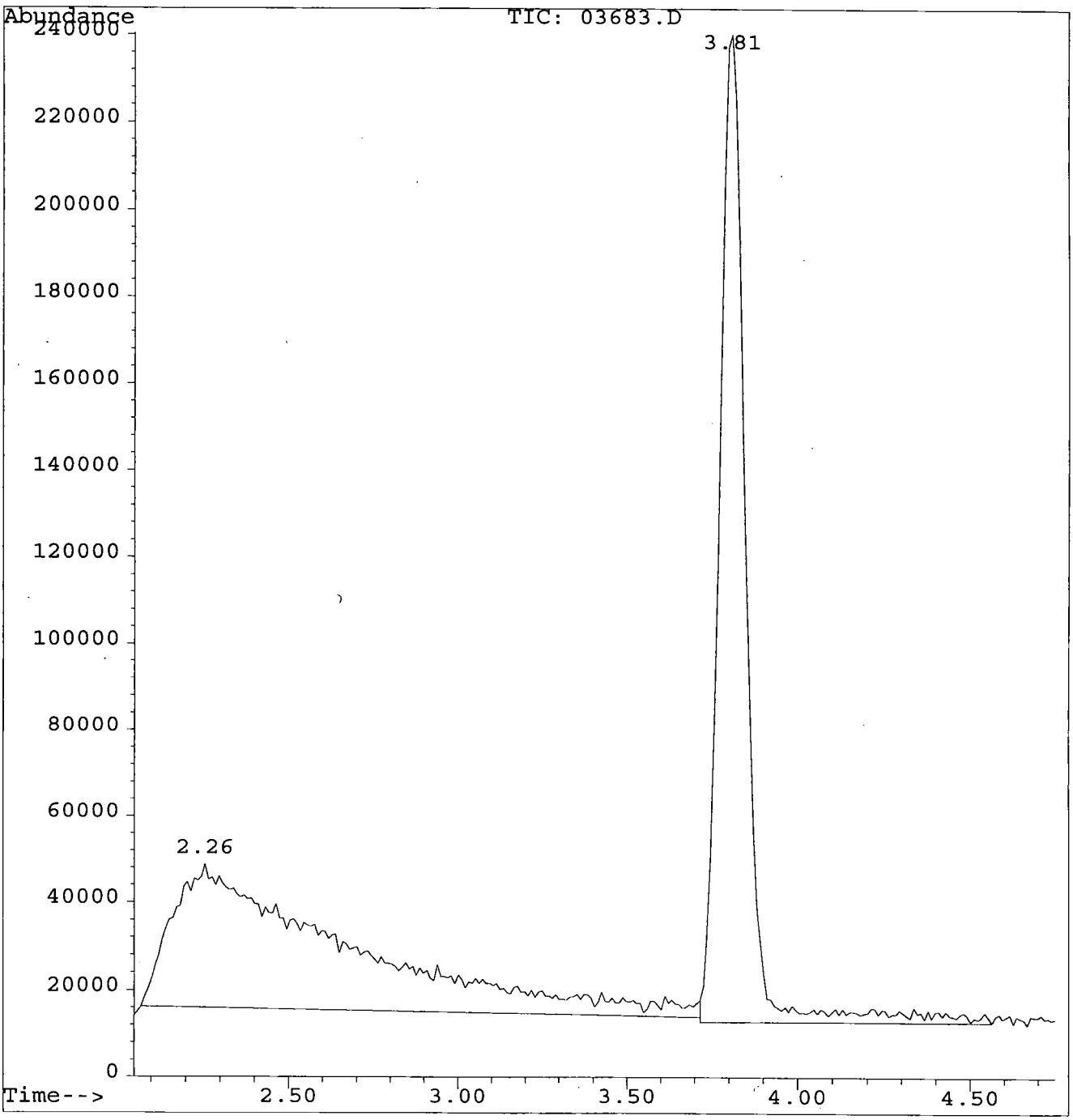
Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
50	95	8	40	25.7	PASS
75	95	30	66	58.6	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.4	PASS
173	174	0	2	0.6	PASS
174	95	50	120	60.1	PASS
175	174	4	9	6.8	PASS
176	174	93	101	95.8	PASS
177	176	5	9	7.0	PASS

Area Percent Report

Data File : C:\HPCHEM\1\DATA\05_06_98\03683.D
Acq On : 6 May 98 3:20 pm
Sample : BFB 50NG INJ
Misc :

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB90.M
Title :



03683.D BFB90.M Wed May 06 15:26:26 1998 RP1

Average of 3.799 to 3.819 min.: 03683.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	492	48.10	255	60.00	547	69.05	5981
37.05	4044	49.00	2764	61.00	2582	70.05	495
38.10	3443	50.00	11422	62.05	2818	70.95	38
39.00	1212	51.05	3648	63.05	2124	72.05	298
40.00	731	52.00	197	63.90	250	73.00	2360
42.15	153	52.80	47	64.50	42	74.05	8874
45.00	484	53.90	34	65.05	245	75.05	26067
45.90	41	54.95	23	65.95	37	76.05	2187
46.10	93	56.05	866	66.90	143	77.10	287
47.05	761	57.05	1584	67.15	108	77.85	96
47.85	242	58.00	125	68.00	5442	78.10	225

Average of 3.799 to 3.819 min.: 03683.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.95	1873	94.00	5771	117.90	133	142.90	249
79.95	481	95.05	44464	118.85	162	146.10	44
80.90	1871	96.05	2831	127.70	46	146.90	35
82.00	308	96.95	157	128.00	175	151.70	40
83.05	45	103.90	231	128.80	40	154.00	34
86.10	91	104.85	48	129.95	101	154.90	90
86.95	2060	105.05	36	130.90	38	156.95	106
88.00	1976	105.90	254	136.80	76	170.05	40
90.95	221	106.95	40	140.90	590	171.95	165
92.00	1269	115.95	157	141.85	91	172.75	152
92.95	2190	116.95	301	142.70	129	173.95	26720

Average of 3.799 to 3.819 min.: 03683.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.95	1819						
175.95	25597						
176.90	1786						

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\05_06_98\03684.D Vial: 9
Acq On : 6 May 98 3:42 pm Operator:
Sample : VSTD50 Inst : VOA8
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	81	0.00
2	T	Dichlorodifluoromethane	0.756	0.569	24.8	113	0.00
3	TP	Chloromethane	0.988	1.122	-13.6	94	-0.01
4	TC	Vinyl Chloride	0.906	0.865	4.5	87	0.00
5	T	Bromomethane	1.109	0.854	23.0	60	-0.01
6	T	Chloroethane	0.653	0.631	3.5	67	0.00
7	T	Trichlorofluoromethane	1.046	0.732	30.0#	85	0.00
8	TC	1,1-Dichloroethene	0.582	0.497	14.6	79	-0.01
9	T	Acrolein	0.123	0.104	15.6	75	-0.02
10	T	Iodomethane	0.710	0.411	42.1#	44#	0.00
11	T	Acetone	0.293	0.213	27.5#	82	-0.02
12	T	Carbon Disulfide	2.420	2.249	7.0	80	0.00
13	T	Acetonitrile	0.241	0.217	9.8	76	0.00
14	T	3-Chloropropene	0.449	0.377	16.0	70	-0.02
15	T	112-Trichl-122-Trifl-Ethane	0.563	0.000	100.0#	0#	-3.32#
16	T	Methylene Chloride	0.818	0.729	11.0	72	0.00
17	T	Acrylonitrile	0.210	0.203	3.6	86	0.00
18	T	trans-1,2-Dichloroethene	0.655	0.613	6.5	80	0.00
19	TP	1,1-Dichloroethane	1.352	1.306	3.5	79	0.00
20	T	Chloroprene	1.319	1.280	3.0	84	0.00
21	T	Vinyl Acetate	1.157	1.583	-36.8#	106	0.00
22	T	2,2-Dichloropropane	1.104	1.091	1.2	83	0.00
23	T	cis-1,2-Dichloroethene	1.312	1.269	3.3	80	0.00
24	T	2-Butanone	0.069	0.066	4.2	87	0.00
25	T	Propionitrile	0.081	0.081	0.0	91	0.00
26	T	Bromochloromethane	0.346	0.326	5.7	78	0.00
27	T	Methacrylonitrile	0.521	0.537	-3.0	89	0.00
28	TC	Chloroform	1.413	1.323	6.3	79	0.00
29	T	1,1,1-Trichloroethane	1.012	0.978	3.3	84	0.00
30	I	1,4-Difluorobenzene	1.000	1.000	0.0	79	0.00
31	S	1,2-Dichloroethane-d4	0.450	0.442	1.8	82	0.00
32	S	Dibromofluoromethane	0.317	0.310	2.3	82	0.00
33	T	Isobutanol	0.012	0.014	-13.2	100	0.00
34	T	1,4-Dioxane	0.003	0.003	-3.3	95	0.00
35	T	1,2-Dichloroethane	0.591	0.608	-2.9	82	0.00
36	T	Carbon Tetrachloride	0.412	0.384	6.8	86	0.00
37	T	1,1-Dichloropropene	0.584	0.559	4.2	85	0.00
38	T	Benzene	1.693	1.722	-1.7	80	0.00
39	T	Trichloroethene	0.333	0.314	5.9	80	0.00
40	T	Dibromomethane	0.216	0.215	0.6	83	0.00
41	TC	1,2-Dichloropropane	0.438	0.438	-0.1	82	0.00
42	T	Methyl Methacrylate	0.213	0.221	-4.0	89	0.00
43	T	Bromodichloromethane	0.514	0.512	0.4	82	0.00
44	T	2-Chloroethyl-vinyl-ether	0.002	0.004	-93.3#	164#	0.28
45	T	cis-1,3-Dichloropropene	0.624	0.624	-0.0	82	0.00

46	T	4-Methyl-2-pentanone	0.322	0.337	-4.5	92	0.00
47	S	Toluene-d8	1.312	1.322	-0.8	81	0.00
48	TC	Toluene	1.750	1.734	0.9#	79	0.00
49	T	trans-1,3-Dichloropropene	0.538	0.535	0.6	82	0.00
50	T	1,1,2-Trichloroethane	0.278	0.278	0.0	86	0.00
51	S	Bromofluorobenzene	0.496	0.515	-3.8	85	0.02
52	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
53	T	Dibromoethane	0.293	0.288	1.7	85	0.00
54	T	Ethyl Methacrylate	0.506	0.504	0.4	87	0.00
55	T	Tetrachloroethene	0.347	0.276	20.6	80	0.00
56	T	1,3-Dichloropropane	0.662	0.648	2.2	84	0.00
57	T	2-Hexanone	0.241	0.249	-3.6	94	0.00
58	T	Dibromochloromethane	0.334	0.323	3.3	82	0.00
59	TP	Chlorobenzene	1.083	1.084	-0.1	82	0.00
60	T	1,1,1,2-Tetrachloroethane	0.328	0.318	3.1	83	0.00
61	TC	Ethylbenzene	0.580	0.581	-0.2	82	0.00
62	T	Meta + Para Xylene	0.793	0.769	3.0	81	0.00
63	T	Ortho Xylene	0.731	0.722	1.1	81	0.00
64	T	Xylene (total)	0.773	0.754	2.5	81	0.00
65	T	Styrene	1.374	1.349	1.8	80	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
67	TP	Bromoform	0.359	0.344	4.1	86	0.02
68	T	Isopropylbenzene	3.639	3.642	-0.1	84	0.00
69	T	Bromobenzene	0.765	0.751	1.9	82	0.00
70	TP	1,1,2,2-Tetrachloroethane	0.708	0.717	-1.3	89	0.00
71	T	1,2,3-Trichloropropane	0.198	0.200	-0.7	91	0.00
72	T	trans-1,4-dichloro-2-buten	0.262	0.254	3.1	84	0.00
73	T	n-Propylbenzene	4.873	5.005	-2.7	85	0.00
74	T	2-Chlorotoluene	2.847	2.929	-2.9	84	0.00
75	T	4-Chlorotoluene	3.359	3.391	-1.0	83	0.00
76	T	1,3,5-Trimethylbenzene	3.119	3.156	-1.2	84	0.00
77	T	tert-Butylbenzene	2.599	2.707	-4.1	86	0.00
78	T	Pentachloroethane	0.288	0.319	-10.7	73	0.00
79	T	1,2,4-Trimethylbenzene	3.089	3.197	-3.5	85	0.02
80	T	sec-Butylbenzene	3.952	4.066	-2.9	89	0.00
81	T	1,3-Dichlorobenzene	1.512	1.499	0.8	83	0.00
82	T	p-Isopropyltoluene	3.372	3.357	0.4	87	0.00
83	T	1,4-Dichlorobenzene	1.743	1.686	3.3	82	0.02
84	T	1,2-Dichlorobenzene	1.341	1.354	-1.0	86	0.02
85	T	n-Butylbenzene	3.585	3.710	-3.5	88	0.00
86	T	DBCP	0.127	0.132	-3.5	98	0.00
87	T	1,2,4-Trichlorobenzene	0.764	0.818	-7.0	93	0.00
88	T	Hexachlorobutadiene	0.317	0.356	-12.2	106	0.00
89	T	Naphthalene	1.719	1.827	-6.3	94	0.00
90	T	1,2,3-Trichlorobenzene	0.673	0.721	-7.2	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

03554.D W8260ALL.M Wed May 13 13:22:39 1998 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_06_98\03684.D
Acq On : 6 May 98 3:42 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:21 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	538979	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	1014361	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1105	906244	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	482377	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	448508	49.12	ug/L	98.25%
32) Dibromofluoromethane	6.77	527	314261	48.83	ug/L	97.66%
47) Toluene-d8	10.37	875	1340999	50.39	ug/L	100.78%
51) Bromofluorobenzene	14.79	1302	522141	51.88	ug/L	103.76%
Target Compounds						**Qvalue**
2) Dichlorodifluoromethane	1.63	30	306438	40.02	ug/L	100
3) Chloromethane	1.80	46	604876	56.78	ug/L	99
4) Vinyl Chloride	1.92	58	466382	47.75	ug/L	100
5) Bromomethane	2.22	87	460489	51.71	ug/L	97
6) Chloroethane	2.35	99	339849	66.95	ug/L	97
7) Trichlorofluoromethane	2.65	128	394607	33.41	ug/L	98
8) 1,1-Dichloroethene	3.27	188	267834	42.69	ug/L	97
9) Acrolein	3.14	176	56041	42.22	ug/L	98
10) Iodomethane	3.46	207	221451	28.94	ug/L	99
11) Acetone	3.34	195	114720	52.66	ug/L	99
12) Carbon Disulfide	3.54	214	1212409	46.48	ug/L	100
13) Acetonitrile	3.77	237	1171022	451.18	ug/L	100
14) 3-Chloropropene	3.77	237	203294	41.99	ug/L	100
16) Methylene Chloride	3.97	256	392701	44.52	ug/L	99
17) Acrylonitrile	4.34	292	109317	48.22	ug/L	97
18) trans-1,2-Dichloroethene	4.41	298	330139	46.73	ug/L	100
19) 1,1-Dichloroethane	5.07	362	703659	48.27	ug/L	99
20) Chloroprene	5.22	377	689999	48.52	ug/L	99
21) Vinyl Acetate	5.21	376	852975	60.38	ug/L	99
22) 2,2-Dichloropropane	5.99	451	588249	49.42	ug/L	99
23) cis-1,2-Dichloroethene	6.00	452	683743	48.33	ug/L	100
24) 2-Butanone	6.04	456	35435	47.88	ug/L	93
25) Propionitrile	6.10	462	434635	499.96	ug/L	98
26) Bromochloromethane	6.36	487	175714	47.15	ug/L	96
27) Methacrylonitrile	6.35	486	2895110	515.22	ug/L	99
28) Chloroform	6.53	503	713118	46.83	ug/L	99
29) 1,1,1-Trichloroethane	6.78	528	527266	48.34	ug/L	98
33) Isobutanol	7.41	588	281100	1132.00	ug/L #	98
34) 1,4-Dioxane	9.01	743	55712	1032.67	ug/L	98
35) 1,2-Dichloroethane	7.38	586	616595	51.43	ug/L	99
36) Carbon Tetrachloride	7.05	554	389245	46.60	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_06_98\03684.D
Acq On : 6 May 98 3:42 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:21 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
37)	1,1-Dichloropropene	7.05	554	567181	47.91	ug/L		100
38)	Benzene	7.36	584	1746291	50.84	ug/L		100
39)	Trichloroethene	8.42	686	318309	47.05	ug/L		99
40)	Dibromomethane	8.93	735	218144	49.70	ug/L		99
41)	1,2-Dichloropropane	8.74	717	444144	50.04	ug/L		99
42)	Methyl Methacrylate	9.03	745	224413	51.99	ug/L		96
43)	Bromodichloromethane	9.22	763	518946	49.78	ug/L		99
44)	2-Chloroethyl-vinyl-ether	9.94	833	3635	103.36	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.95	834	633250	50.00	ug/L		100
46)	4-Methyl-2-pentanone	10.23	861	341611	52.26	ug/L		99
48)	Toluene	10.48	885	1759362	49.57	ug/L		100
49)	trans-1,3-Dichloropropene	10.87	923	542654	49.69	ug/L		100
50)	1,1,2-Trichloroethane	11.15	950	282209	49.99	ug/L		89
53)	Dibromoethane	11.93	1025	261046	49.15	ug/L		100
54)	Ethyl Methacrylate	11.10	945	456334	49.78	ug/L	#	97
55)	Tetrachloroethene	11.39	973	249673	39.70	ug/L		99
56)	1,3-Dichloropropane	11.41	975	587261	48.92	ug/L		99
57)	2-Hexanone	11.62	995	225960	51.79	ug/L		99
58)	Dibromochloromethane	11.78	1011	292684	48.36	ug/L		100
59)	Chlorobenzene	12.80	1109	982410	50.05	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.95	1124	288209	48.47	ug/L		99
61)	Ethylbenzene	13.02	1131	526113	50.09	ug/L		99
62)	Meta + Para Xylene	13.23	1151	1394363	96.96	ug/L		100
63)	Ortho Xylene	13.90	1216	654661	49.44	ug/L		98
64)	Xylene (total)	13.23	1151	2049590	146.28	ug/L	m	99
65)	Styrene	13.92	1218	1222344	49.10	ug/L		99
67)	Bromoform	14.19	1244	165880	47.94	ug/L		99
68)	Isopropylbenzene	14.55	1279	1756991	50.05	ug/L		99
69)	Bromobenzene	15.01	1323	362114	49.07	ug/L		96
70)	1,1,2,2-Tetrachloroethane	15.08	1330	345769	50.64	ug/L		98
71)	1,2,3-Trichloropropane	15.11	1333	96318	50.37	ug/L		95
72)	trans-1,4-dichloro-2-buten	15.17	1339	122582	48.45	ug/L		99
73)	n-Propylbenzene	15.28	1349	2414298	51.35	ug/L		100
74)	2-Chlorotoluene	15.38	1359	1412742	51.43	ug/L		100
75)	4-Chlorotoluene	15.58	1378	1635955	50.48	ug/L		100
76)	1,3,5-Trimethylbenzene	15.61	1381	1522534	50.59	ug/L		99
77)	tert-Butylbenzene	16.17	1435	1305895	52.07	ug/L		99
78)	Pentachloroethane	16.16	1434	153927	45.73	ug/L		99
79)	1,2,4-Trimethylbenzene	16.26	1444	1542393	51.76	ug/L		99
80)	sec-Butylbenzene	16.56	1473	1961582	51.45	ug/L		100
81)	1,3-Dichlorobenzene	16.70	1486	723126	49.58	ug/L		99
82)	p-Isopropyltoluene	16.84	1500	1619480	49.79	ug/L		100
83)	1,4-Dichlorobenzene	16.86	1502	813214	48.35	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_06_98\03684.D
Acq On : 6 May 98 3:42 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:21 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc Unit	Qvalue
84)	1,2-Dichlorobenzene	17.50	1564	653010	50.48 ug/L	98
85)	n-Butylbenzene	17.56	1570	1789652	51.75 ug/L	100
86)	DBCP	18.88	1697	63605	51.74 ug/L	97
87)	1,2,4-Trichlorobenzene	20.40	1844	394451	53.51 ug/L	99
88)	Hexachlorobutadiene	20.77	1880	171754	56.11 ug/L	99
89)	Naphthalene	20.80	1883	881099	53.14 ug/L	100
90)	1,2,3-Trichlorobenzene	21.26	1927	347996	53.62 ug/L	99

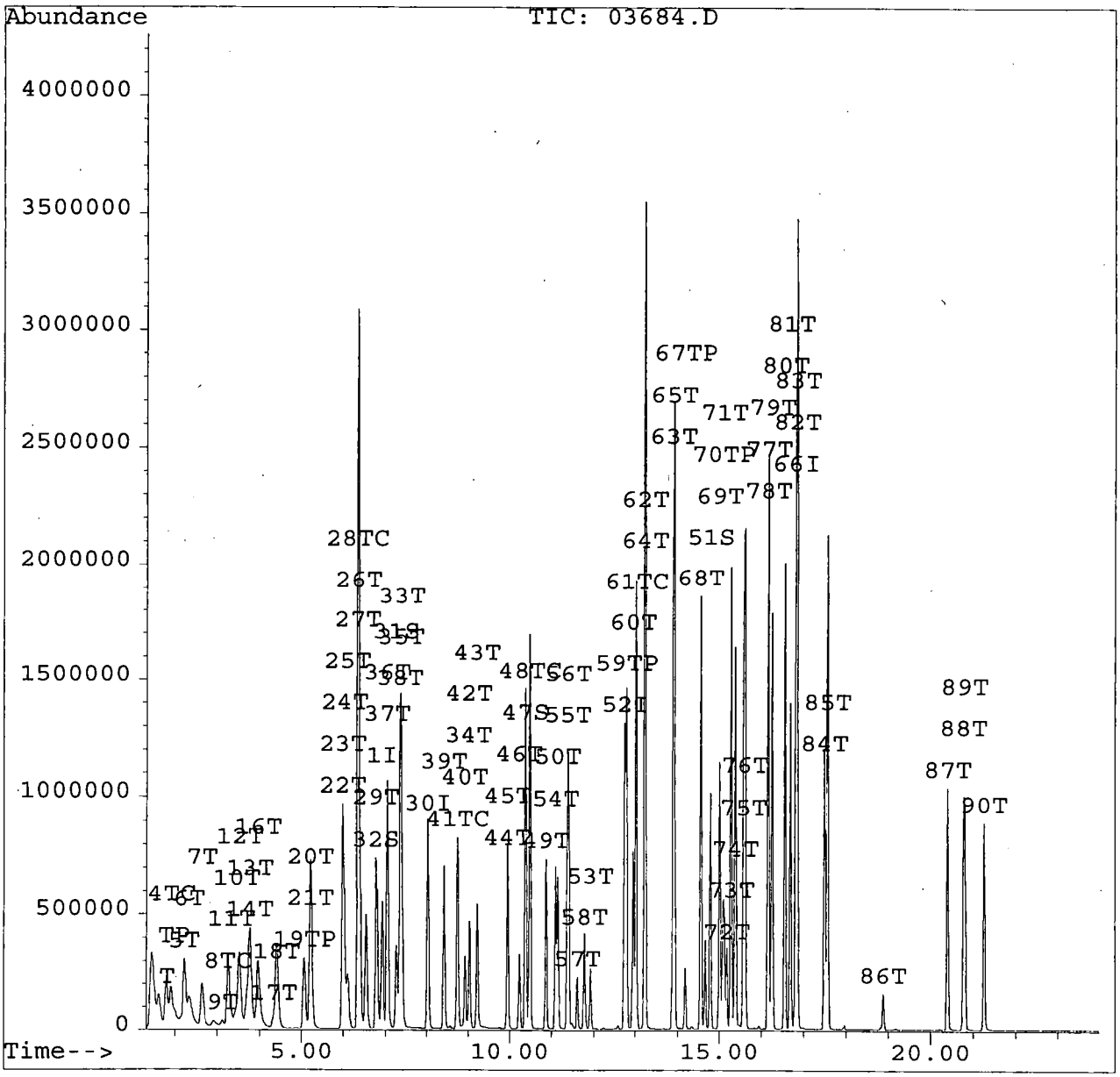
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_06_98\03684.D
Acq On : 6 May 98 3:42 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:21 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

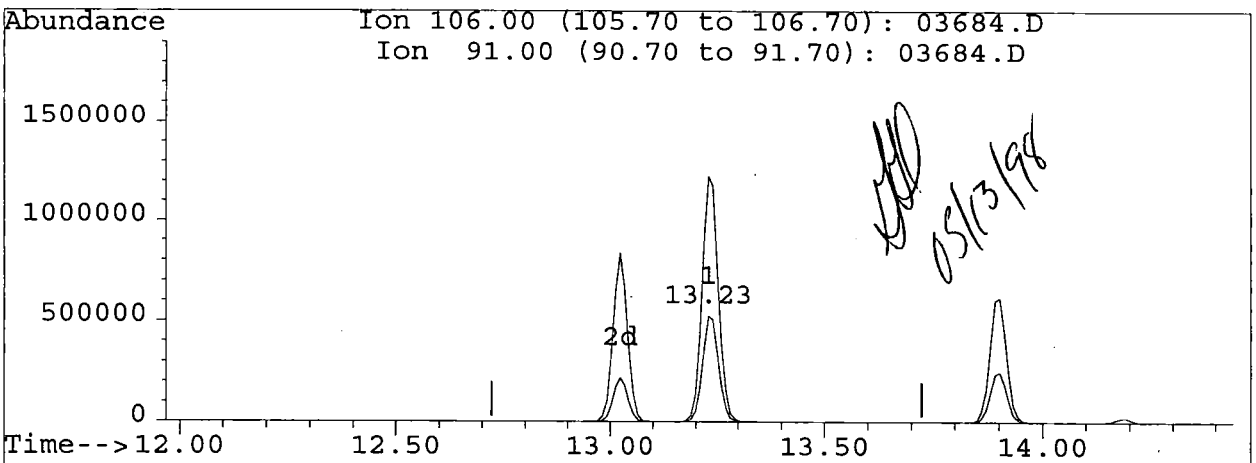


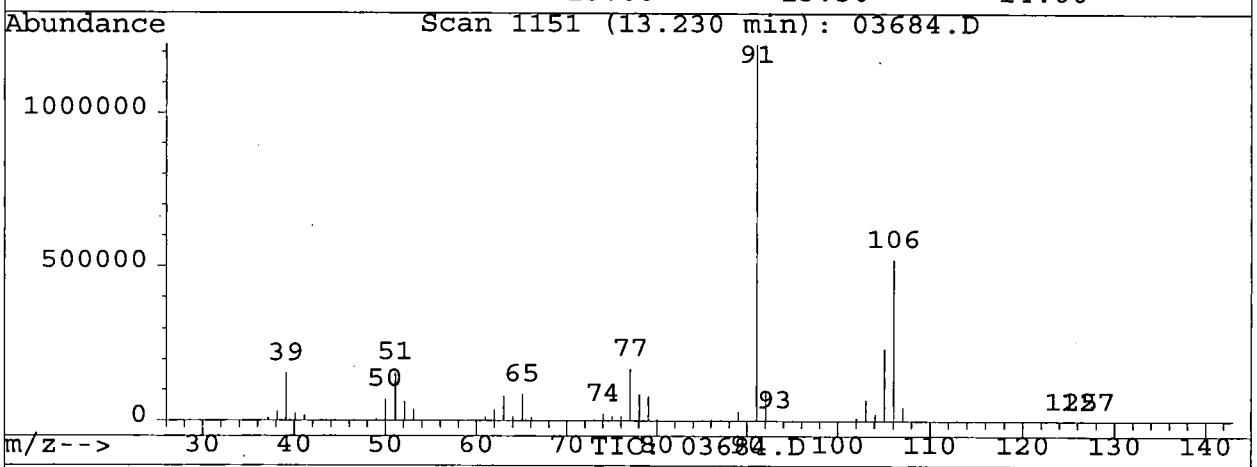
Quantitation Report

Data File : C:\HPCHEM\1\DATA\05_06_98\03684.D
Acq On : 6 May 98 3:42 pm
Sample : VSTD50
Misc :
Quant Time: May 13 13:21 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.23min 146.28ug/L m
response 2049590

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	233.53
0.00	0.00	0.00
0.00	0.00	0.00

05/13/98

03684.D W8260ALL.M Wed May 13 13:22:03 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03685.d
Acq On : 6 May 98 4:12 pm
Sample : MB*NONE*1
Misc :
Quant Time: May 13 13:32 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	492226	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	1001113	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.75	1105	870527	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	397133	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	415579	46.12 ug/L	92.24%
32) Dibromofluoromethane	6.78	528	275836	43.43 ug/L	86.85%
47) Toluene-d8	10.37	875	1219782	46.44 ug/L	92.88%
51) Bromofluorobenzene	14.79	1302	438002	44.10 ug/L	88.19%
Target Compounds					**Qvalue**
11) Acetone	3.37	198	7816	3.93 ug/L	92
16) Methylene Chloride	3.98	257	14484	1.80 ug/L	97

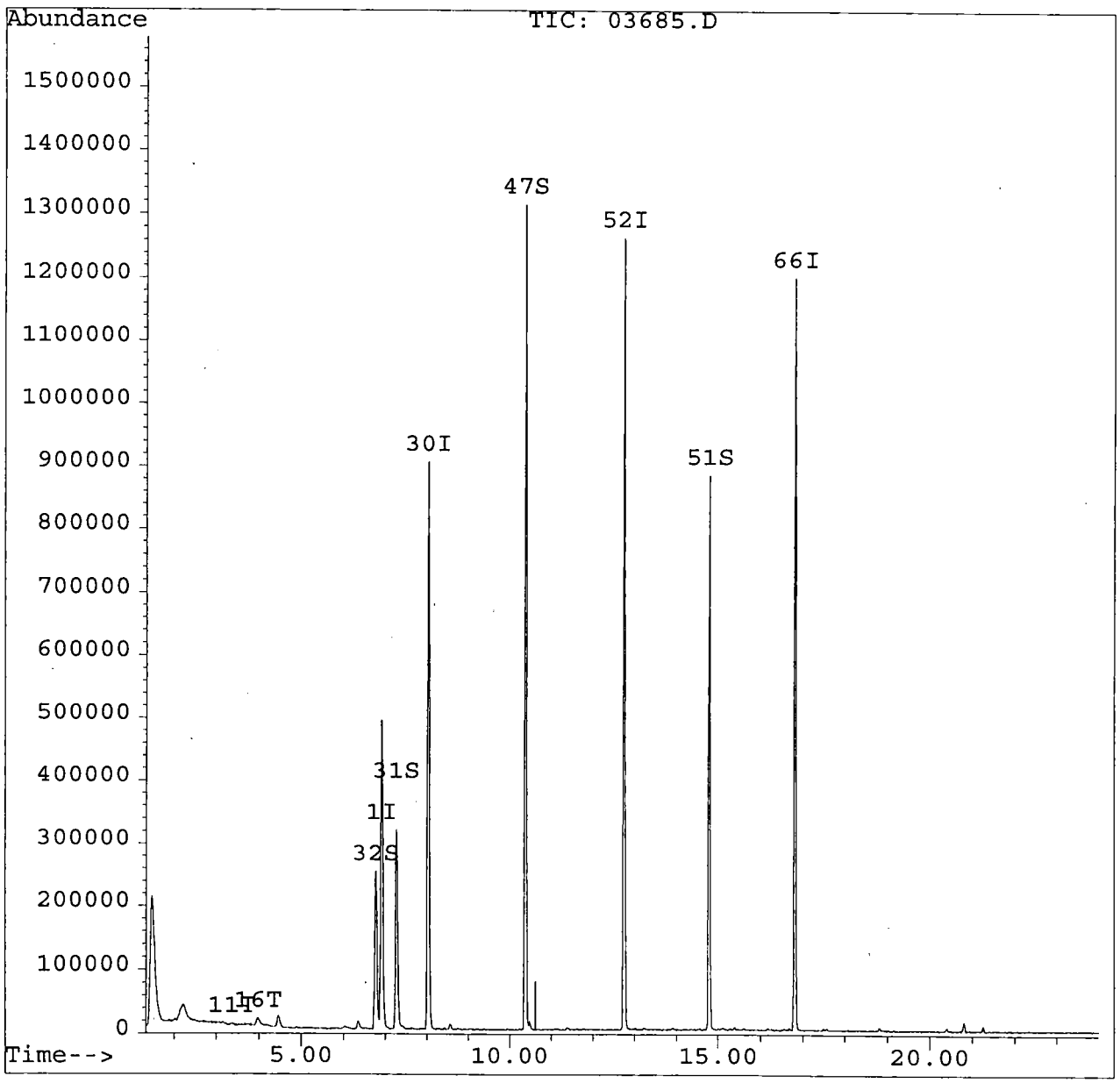
(#) = qualifier out of range (m) = manual integration

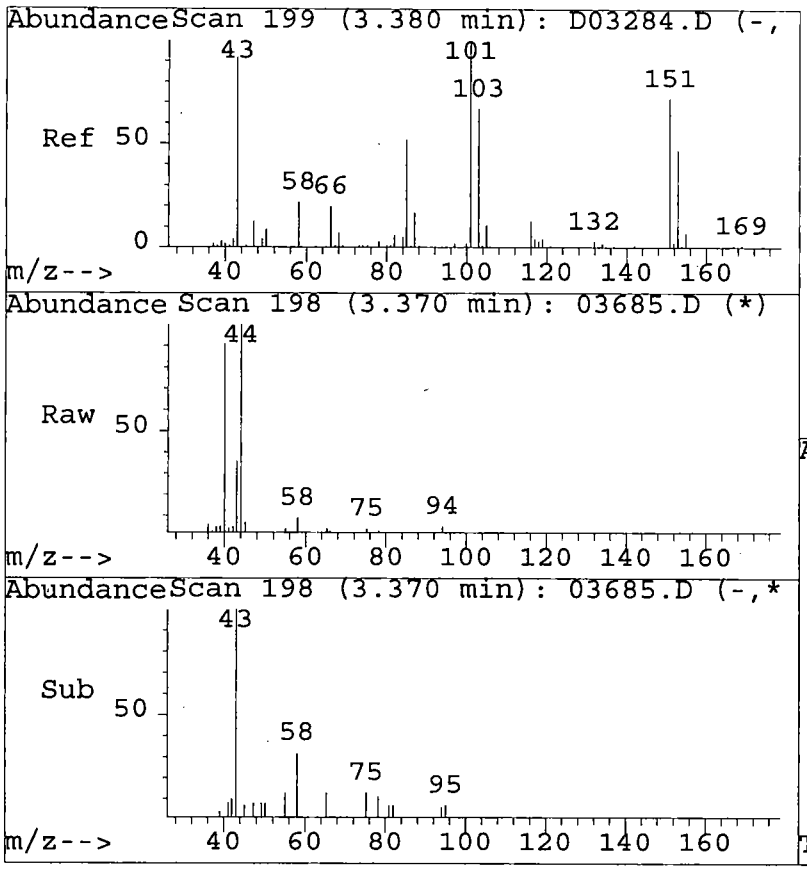
Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03685.d
Acq On : 6 May 98 4:12 pm
Sample : MB*NONE*1
Misc :
Quant Time: May 13 13:32 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

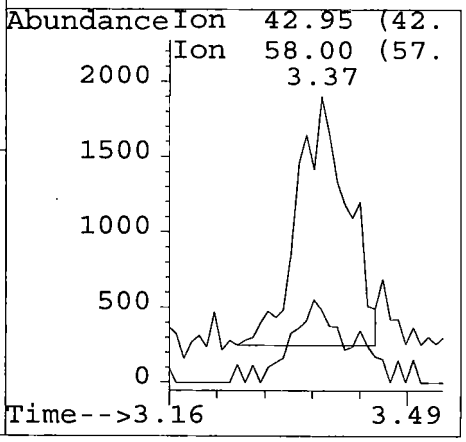


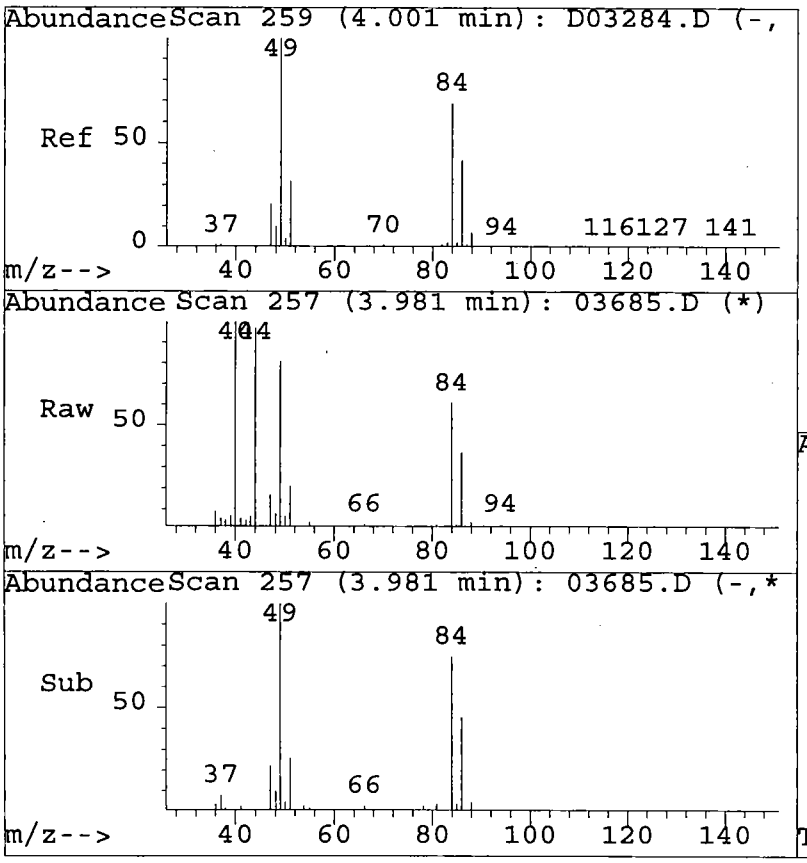


#11
Acetone
Concen: 3.93 ug/L
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: 03685.d
Acq: 6 May 98 4:12 pm

Tgt Ion:42.95 Resp: 7816

Ion	Ratio	Lower	Upper
43	100		
58	30.1	0.0	126.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

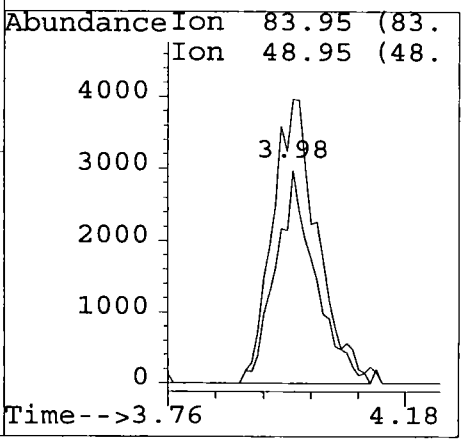




#16
Methylene Chloride
Concen: 1.80 ug/L
RT: 3.98 min Scan# 257
Delta R.T. 0.01 min
Lab File: 03685.d
Acq: 6 May 98 4:12 pm

Tgt Ion:83.95 Resp: 14484

Ion	Ratio	Lower	Upper
84	100		
49	151.7	47.6	247.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

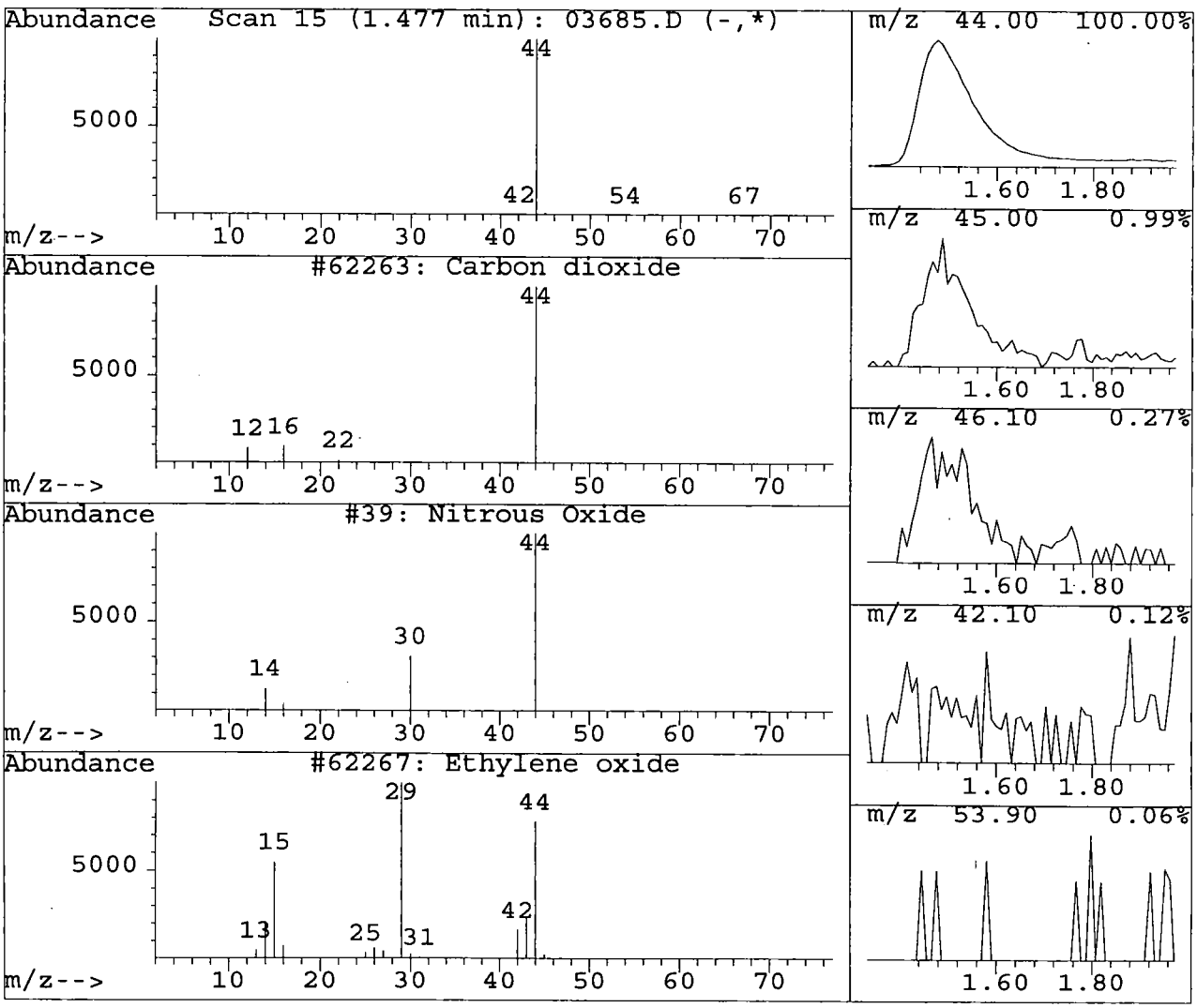
Data File : c:\hpchem\1\data\05_06_98\03685.d
Acq On : 6 May 98 4:12 pm
Sample : MB*NONE*1
Misc :

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.48	47.59 ug/L	1631387	Pentafluorobenzen	1714085	6.92

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	39	010024-97-2	3
3	Ethylene oxide	62267	000075-21-8	2
4	Acetaldehyde	62265	000075-07-0	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03686.d
Acq On : 6 May 98 4:42 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 13 13:33 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	450904	50.00 ug/L	0.01
30) 1,4-Difluorobenzene	8.04	649	899539	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.76	1105	787655	50.00 ug/L	0.01
66) 1,4-Dichlorobenzene-d4	16.82	1498	361941	50.00 ug/L	0.01
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.28	576	411575	50.83 ug/L	101.66%
32) Dibromofluoromethane	6.79	528	274156	48.04 ug/L	96.07%
47) Toluene-d8	10.38	875	1187234	50.31 ug/L	100.61%
51) Bromofluorobenzene	14.80	1302	430211	48.20 ug/L	96.41%
Target Compounds					Qvalue
3) Chloromethane	1.82	48	197401	22.15 ug/L	98
4) Vinyl Chloride	1.94	59	162672	19.91 ug/L	100
5) Bromomethane	2.26	90	139162	18.68 ug/L	99
6) Chloroethane	2.38	102	131075	30.87 ug/L	98
7) Trichlorofluoromethane	2.68	131	157596	15.95 ug/L	98
8) 1,1-Dichloroethene	3.30	191	101286	19.30 ug/L	96
11) Acetone	3.37	198	44115	24.20 ug/L	96
12) Carbon Disulfide	3.56	216	450285	20.63 ug/L	99
16) Methylene Chloride	3.98	257	153795	20.84 ug/L	97
18) trans-1,2-Dichloroethene	4.43	300	127499	21.57 ug/L	99
19) 1,1-Dichloroethane	5.09	364	247319	20.28 ug/L	98
21) Vinyl Acetate	5.24	378	292335	24.74 ug/L	99
23) cis-1,2-Dichloroethene	6.01	453	212450	17.95 ug/L	90
24) 2-Butanone	6.06	458	13431	21.69 ug/L	91
28) Chloroform	6.55	505	235492	18.49 ug/L	99
29) 1,1,1-Trichloroethane	6.80	529	187575	20.56 ug/L	99
35) 1,2-Dichloroethane	7.40	587	206656	19.44 ug/L	100
36) Carbon Tetrachloride	7.07	555	131293	17.72 ug/L	99
38) Benzene	7.38	585	583054	19.14 ug/L	100
39) Trichloroethene	8.43	687	102559	17.09 ug/L	99
41) 1,2-Dichloropropane	8.75	718	142568	18.11 ug/L	99
43) Bromodichloromethane	9.23	764	189345	20.48 ug/L	100
45) cis-1,3-Dichloropropene	9.95	834	219455	19.54 ug/L	99
46) 4-Methyl-2-pentanone	10.23	861	113954	19.66 ug/L	99
48) Toluene	10.49	886	583601	18.54 ug/L	99
49) trans-1,3-Dichloropropene	10.87	923	188302	19.44 ug/L	100
50) 1,1,2-Trichloroethane	11.15	950	94662	18.91 ug/L	89
55) Tetrachloroethene	11.39	973	70685	12.93 ug/L	99
57) 2-Hexanone	11.62	995	76655	20.22 ug/L	98
58) Dibromochloromethane	11.78	1011	95163	18.09 ug/L	100
59) Chlorobenzene	12.80	1109	312279	18.30 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03686.d Vial: 11
Acq On : 6 May 98 4:42 pm Operator:
Sample : SP1*NONE*1 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: May 13 13:33 1998

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc Unit	Qvalue
61)	Ethylbenzene	13.03	1131	167585	18.36 ug/L	97
62)	Meta + Para Xylene	13.24	1152	212772	17.02 ug/L	99
64)	Xylene (total)	13.24	1152	212772	17.47 ug/L	98
65)	Styrene	13.93	1218	353037	16.32 ug/L	87
67)	Bromoform	14.20	1244	57485	22.14 ug/L	99
70)	1,1,2,2-Tetrachloroethane	15.08	1330	120231	23.47 ug/L	99

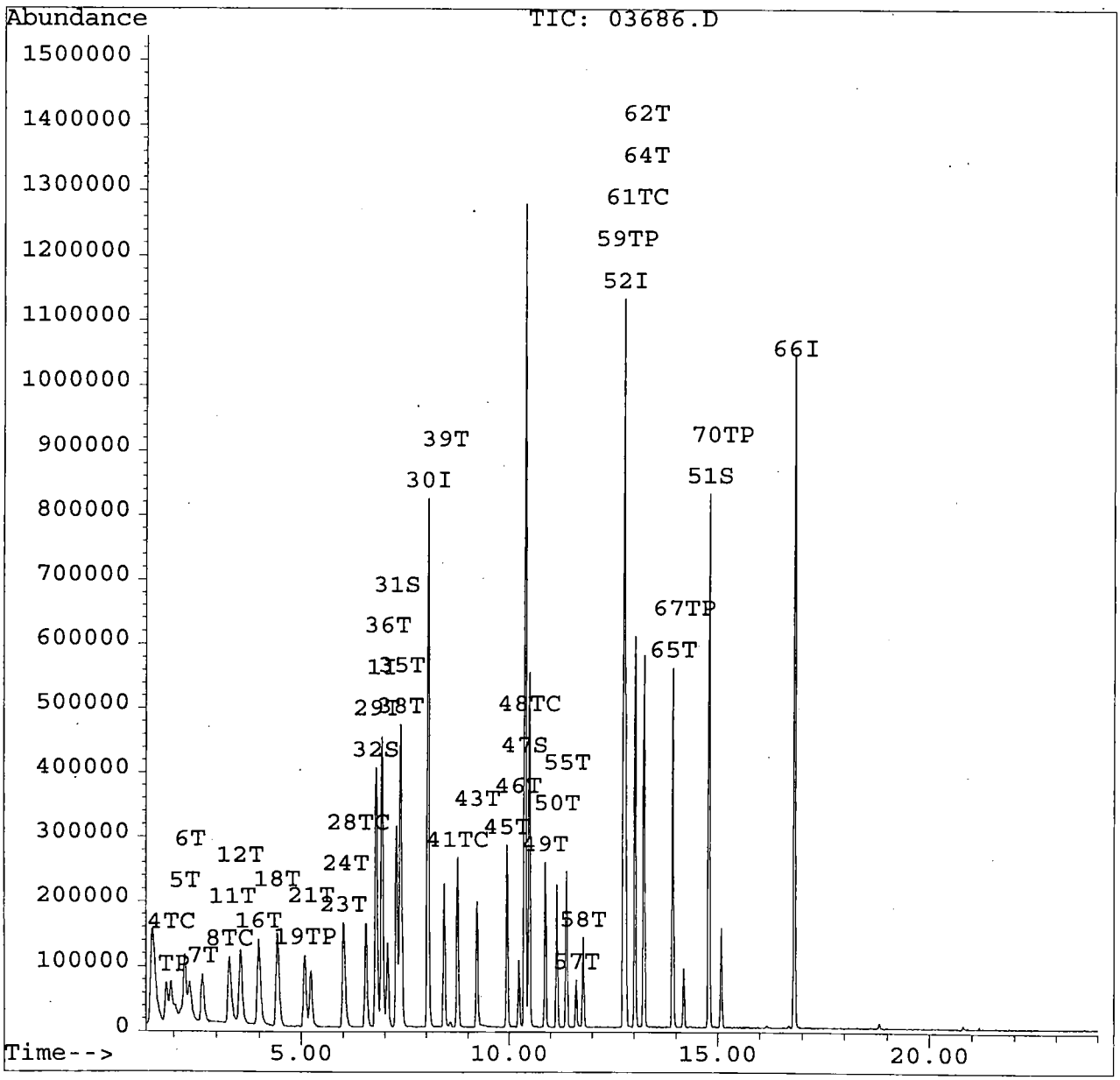
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03686.d
Acq On : 6 May 98 4:42 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 13 13:33 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03687.d
Acq On : 6 May 98 5:47 pm
Sample : TLCEDW1*14
Misc :
Quant Time: May 13 13:34 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	485718	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	972094	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.75	1105	851818	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	394316	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	430262	49.17 ug/L	98.35%
32) Dibromofluoromethane	6.78	528	287836	46.67 ug/L	93.34%
47) Toluene-d8	10.37	875	1248256	48.94 ug/L	97.89%
51) Bromofluorobenzene	14.79	1302	453101	46.98 ug/L	93.96%

Target Compounds Qvalue

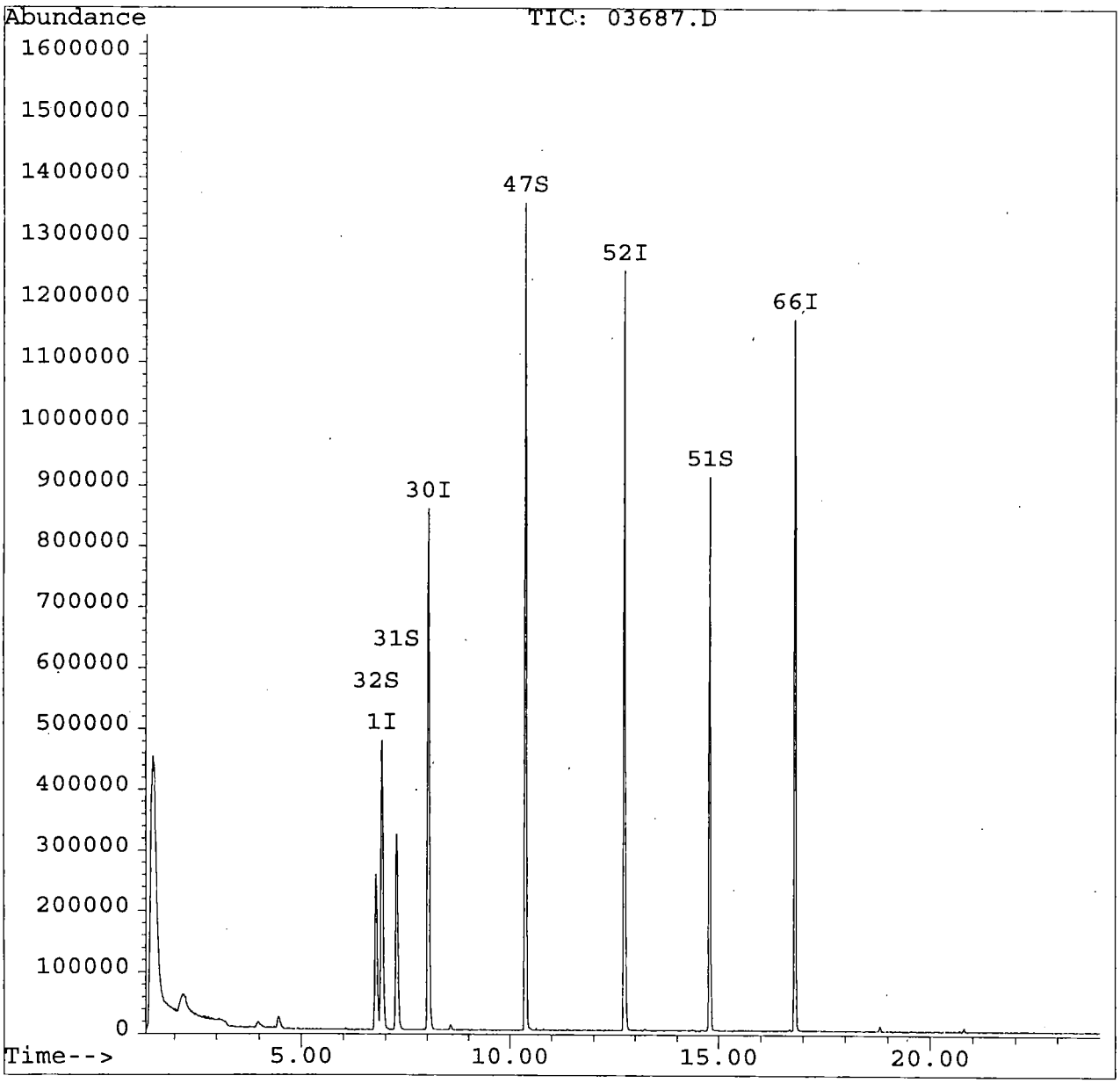
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03687.d
Acq On : 6 May 98 5:47 pm
Sample : TLCEDW1*14
Misc :
Quant Time: May 13 13:34 1998

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Library Search Compound Report

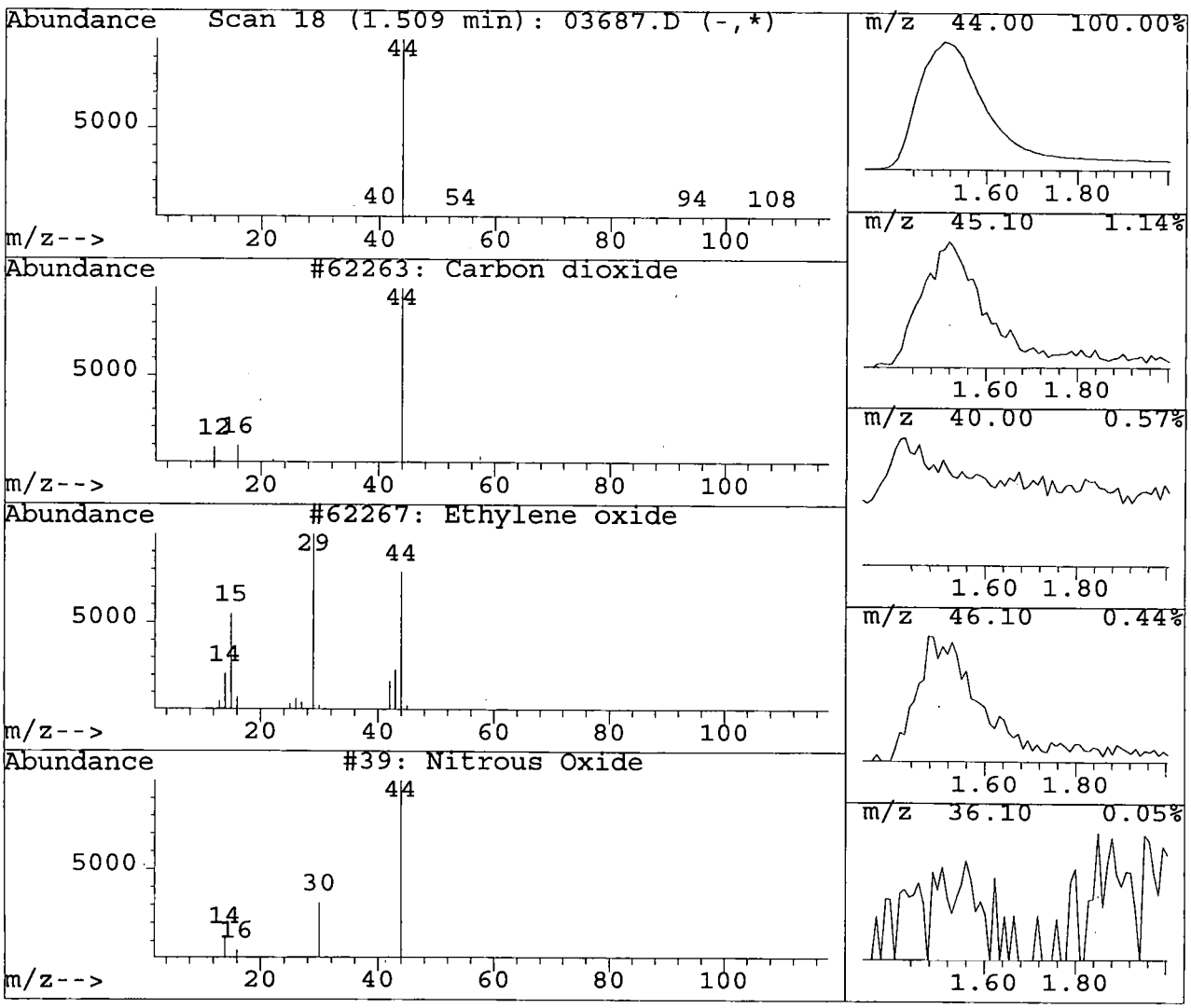
Data File : c:\hpchem\1\data\05_06_98\03687.d
Acq On : 6 May 98 5:47 pm
Sample : TLCEDW1*14
Misc :

Vial: 12
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.51	134.53 ug/L	4692474	Pentafluorobenzen	1743988	6.93

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Ethylene oxide	62267	000075-21-8	3
3	Nitrous Oxide	39	010024-97-2	3
4	Acetaldehyde	62265	000075-07-0	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03688.d Vial: 13
Acq On : 6 May 98 6:17 pm Operator:
Sample : TLCEDW1*15 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: May 13 13:34 1998

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	481628	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.05	650	967575	50.00	ug/L	0.02
52) Chlorobenzene-d5	12.75	1105	833090	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	378189	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	418936	48.10	ug/L	96.21%
32) Dibromofluoromethane	6.78	528	285253	46.47	ug/L	92.93%
47) Toluene-d8	10.39	876	1241110	48.89	ug/L	97.78%
51) Bromofluorobenzene	14.79	1302	454965	47.39	ug/L	94.79%
Target Compounds						**Qvalue**
59) Chlorobenzene	12.80	1109	33640	1.86	ug/L	97

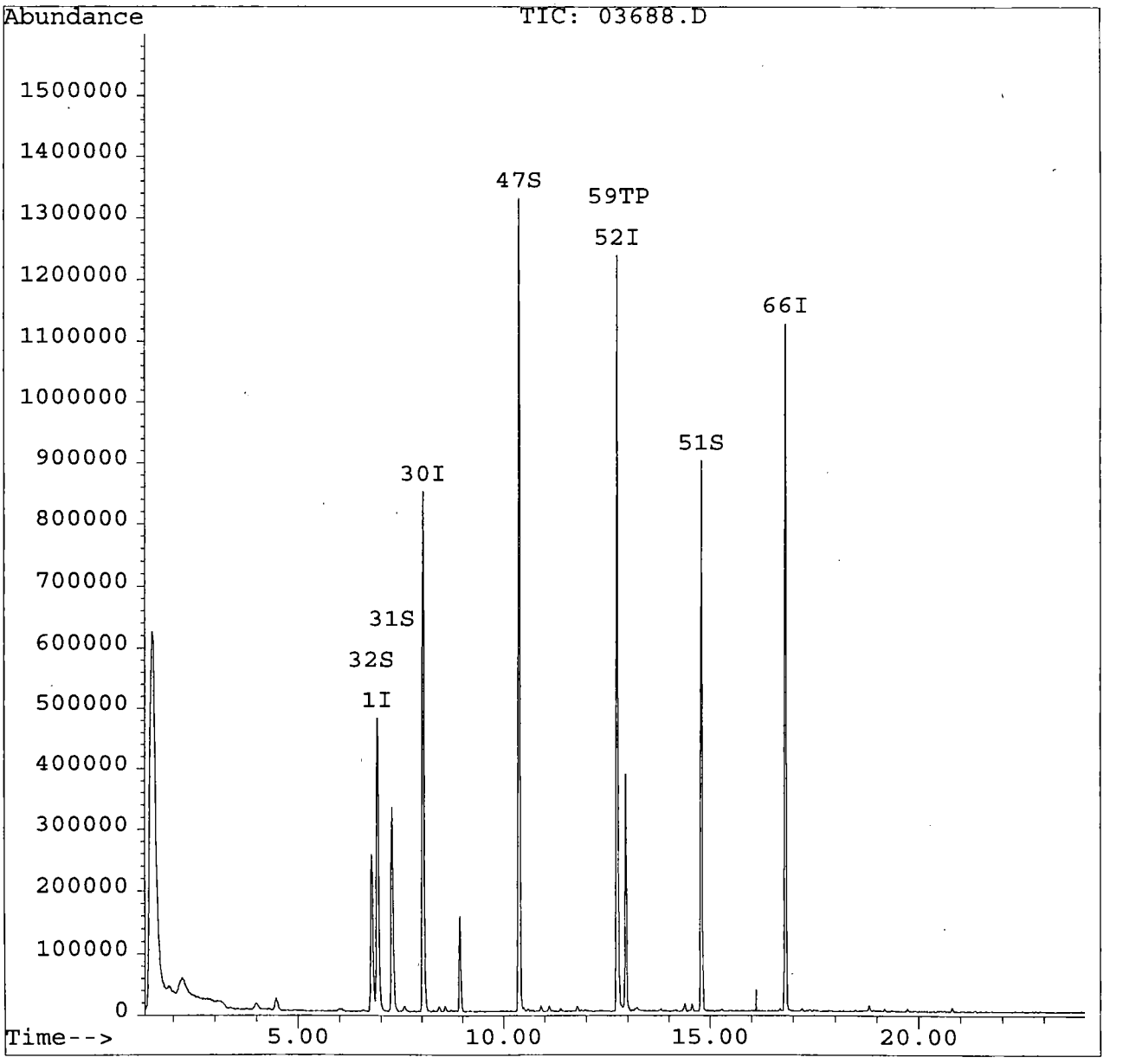
(#) = qualifier out of range (m) = manual integration

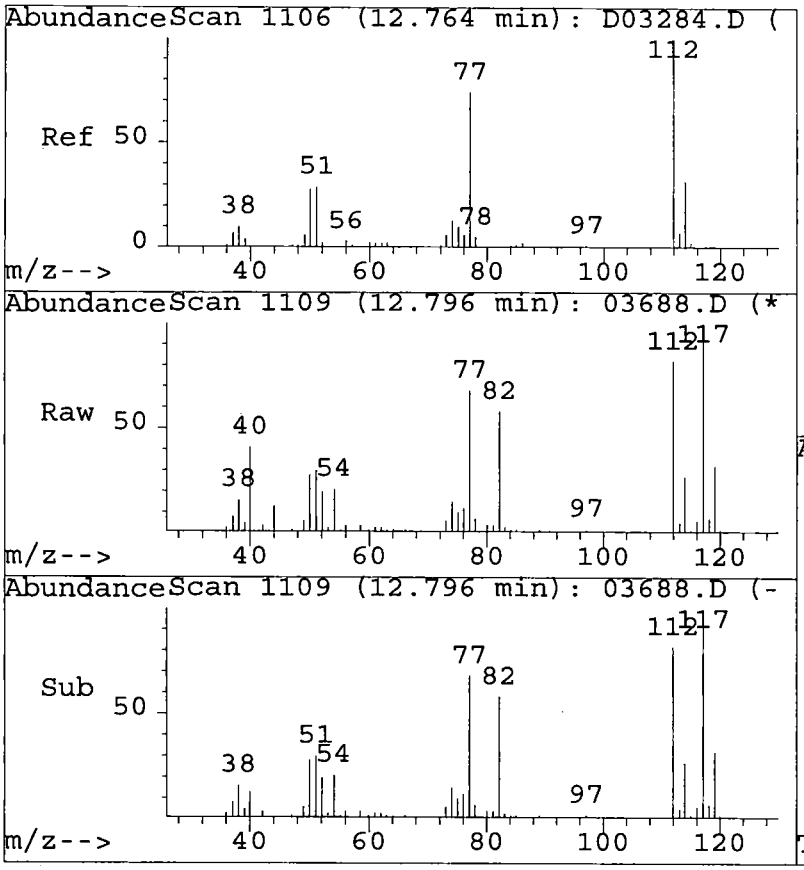
Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03688.d
Acq On : 6 May 98 6:17 pm
Sample : TLCEDW1*15
Misc :
Quant Time: May 13 13:34 1998

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

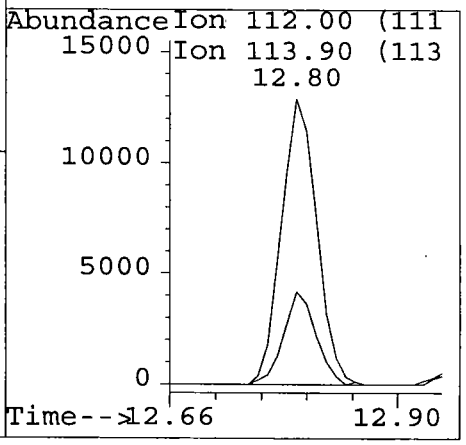




#59
Chlorobenzene
Concen: 1.86 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03688.d
Acq: 6 May 98 6:17 pm

Tgt Ion:112 Resp: 33640

Ion	Ratio	Lower	Upper
112	100		
114	29.7	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

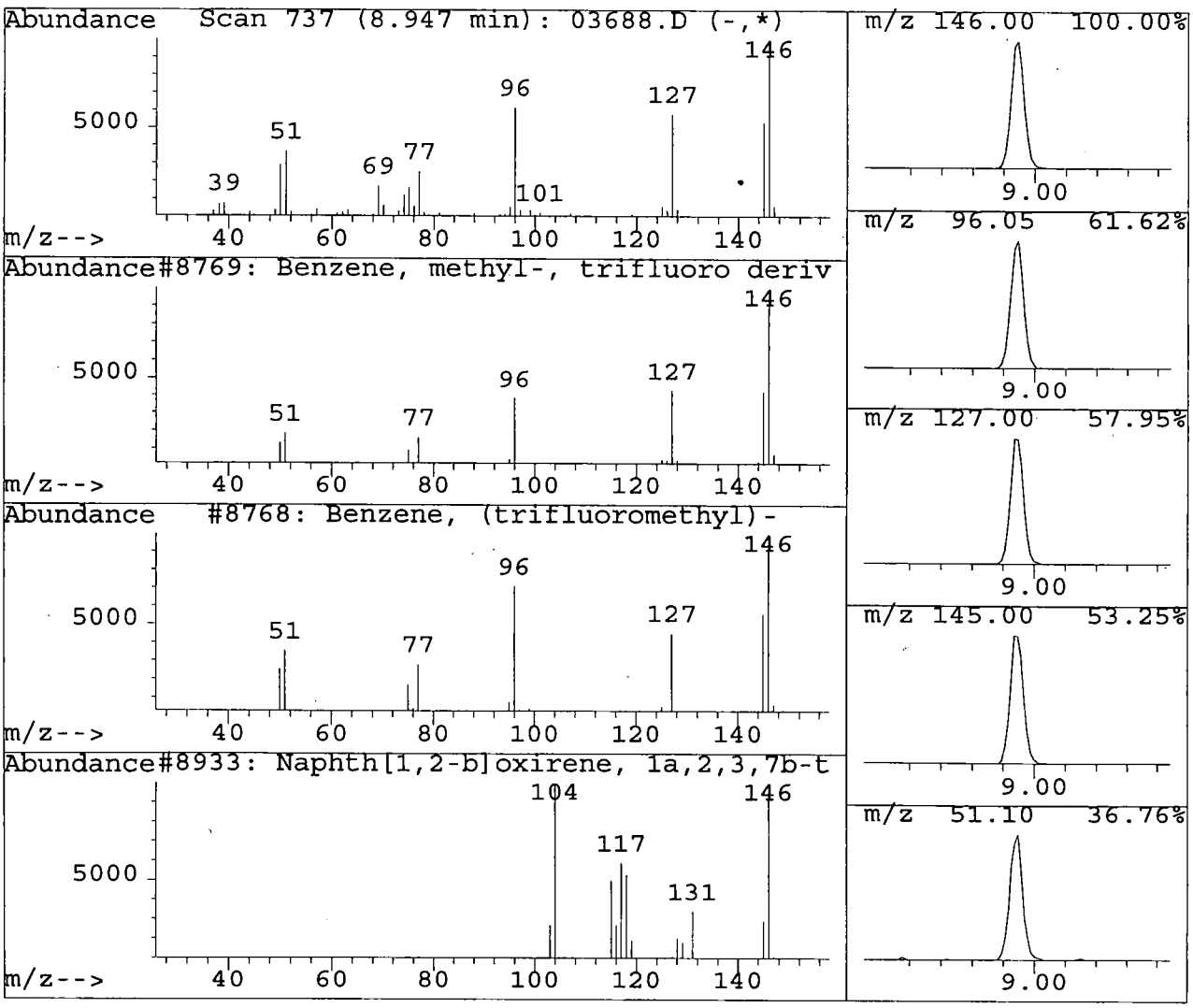
Data File : c:\hpchem\1\data\05_06_98\03688.d
Acq On : 6 May 98 6:17 pm
Sample : TLCEDW1*15
Misc :

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
8.95	8.64 ug/L	456450	1,4-Difluorobenze	2641662	8.05

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Benzene, methyl-, trifluoro deriv.	8769	027359-10-0	96
2	Benzene, (trifluoromethyl)-	8768	000098-08-8	95
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-tet	8933	002461-34-9	9
4	m-Chloroaniline	4726	000108-42-9	9
5	Benzonitrile, 4-(dimethylamino)-	66471	001197-19-9	9



Library Search Compound Report

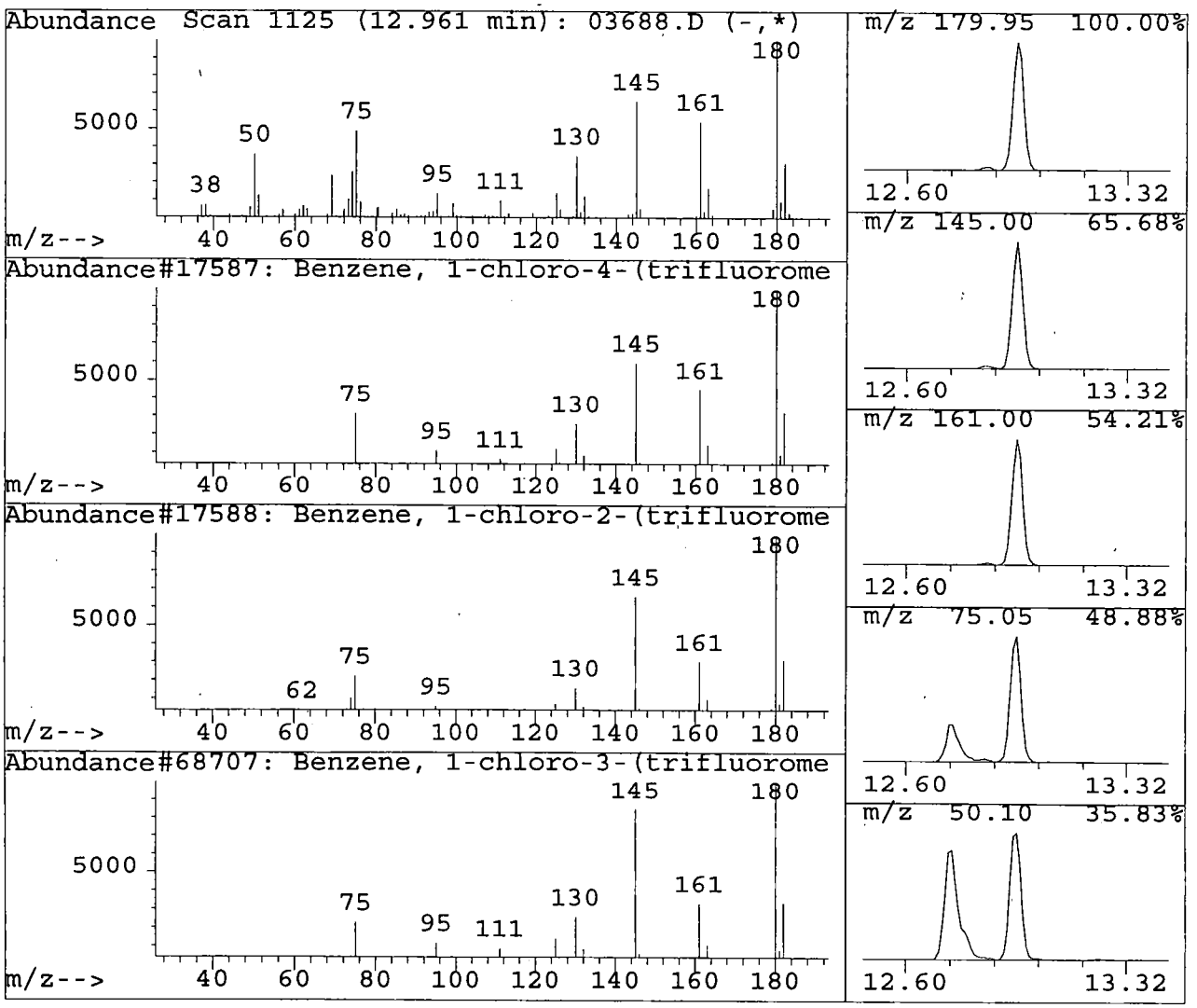
Data File : c:\hpchem\1\data\05_06_98\03688.d
Acq On : 6 May 98 6:17 pm
Sample : TLCEDW1*15
Misc :

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
12.96	15.06 ug/L	958634	Chlorobenzene-d5	3182063	12.75

Hit 3	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-4-(trifluoromethy	17587	000098-56-6	98
2	Benzene, 1-chloro-2-(trifluoromethy	17588	000088-16-4	94
3	Benzene, 1-chloro-3-(trifluoromethy	68707	000098-15-7	93
4	1,3-Benzenedicarboxaldehyde, 2,4-di	17645	010209-57-1	14
5	1,2,4-Cyclopentanetrione, 3-(2-pent	68731	054644-27-8	14



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :
Quant Time: May 13 13:35 1998

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	503377	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.05	650	971026	50.00	ug/L	0.02
52) Chlorobenzene-d5	12.75	1105	887359	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	422691	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	410000	46.91	ug/L	93.82%
32) Dibromofluoromethane	6.80	529	279934	45.44	ug/L	90.87%
47) Toluene-d8	10.39	876	1269043	49.81	ug/L	99.63%
51) Bromofluorobenzene	14.79	1302	486440	50.49	ug/L	100.98%
Target Compounds						**Qvalue**
61) Ethylbenzene	13.03	1132	622698	60.54	ug/L	100
62) Meta + Para Xylene	13.24	1152	1415914 **	100.56	ug/L	100
63) Ortho Xylene	13.90	1216	220695	17.02	ug/L	98

** Xylene (total) - 117.58 ug/L
05/13/98

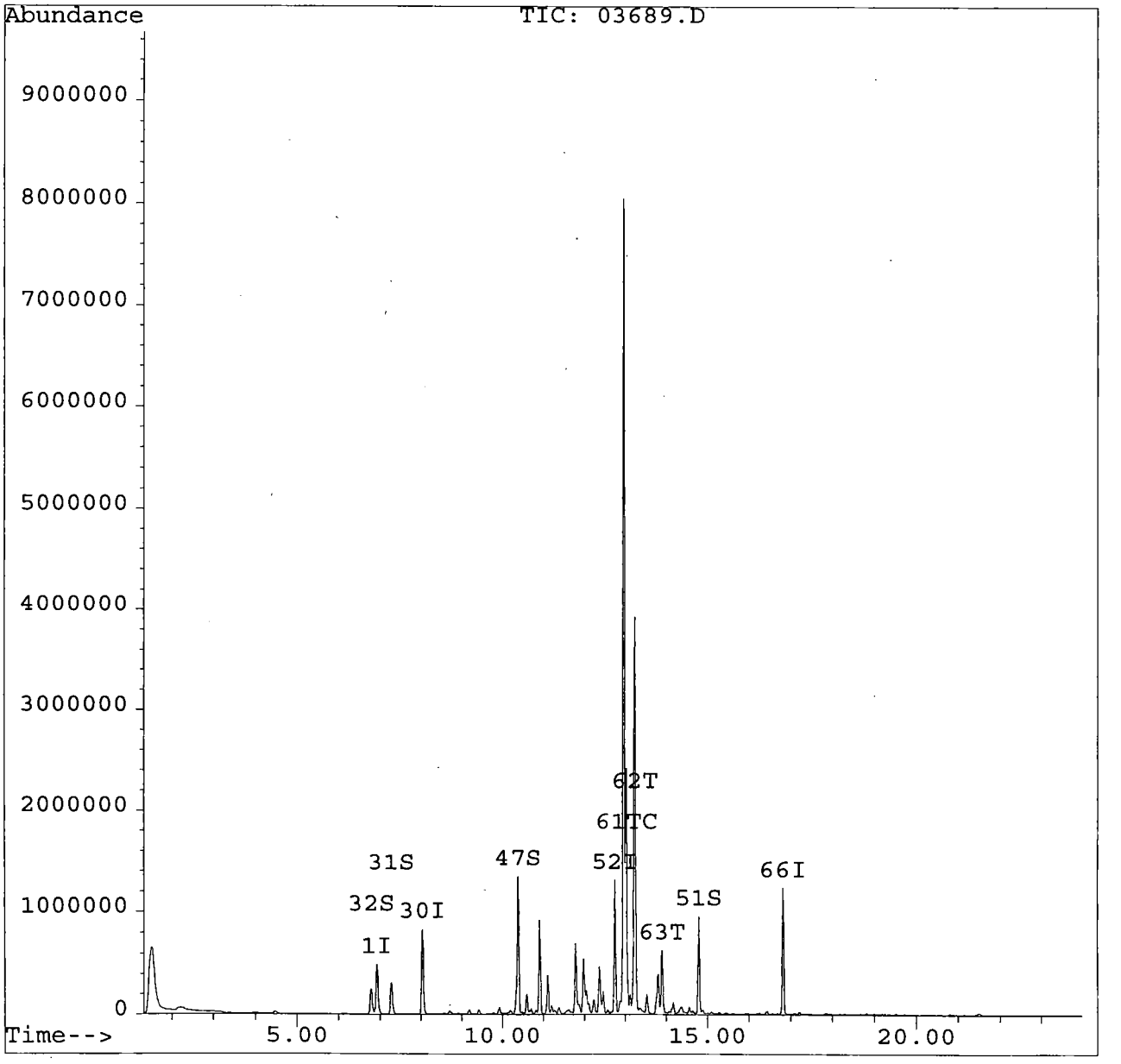
(#) = qualifier out of range (m) = manual integration
03689.d W8260ALL.M Wed May 13 14:04:01 1998 RP1 Page 1

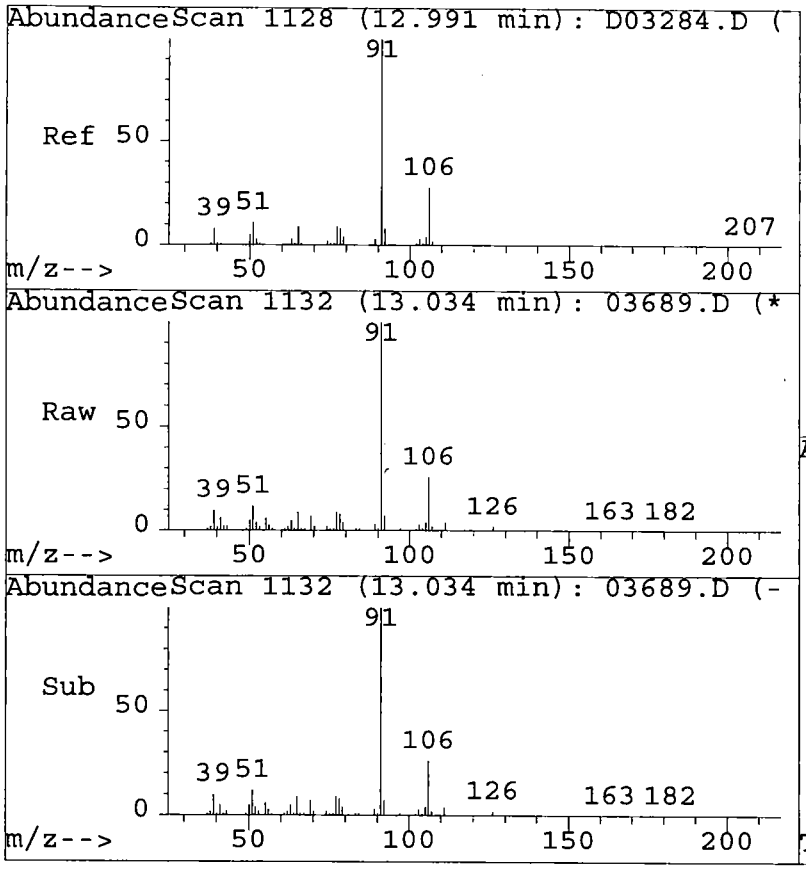
Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :
Quant Time: May 13 13:35 1998

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

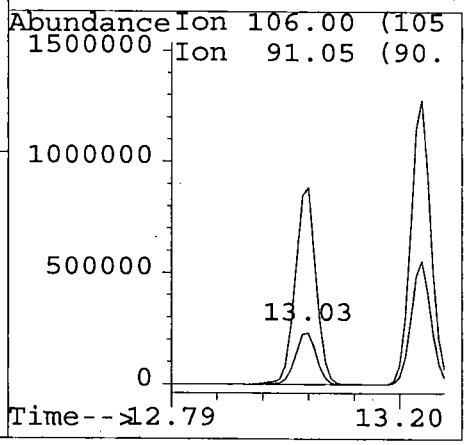


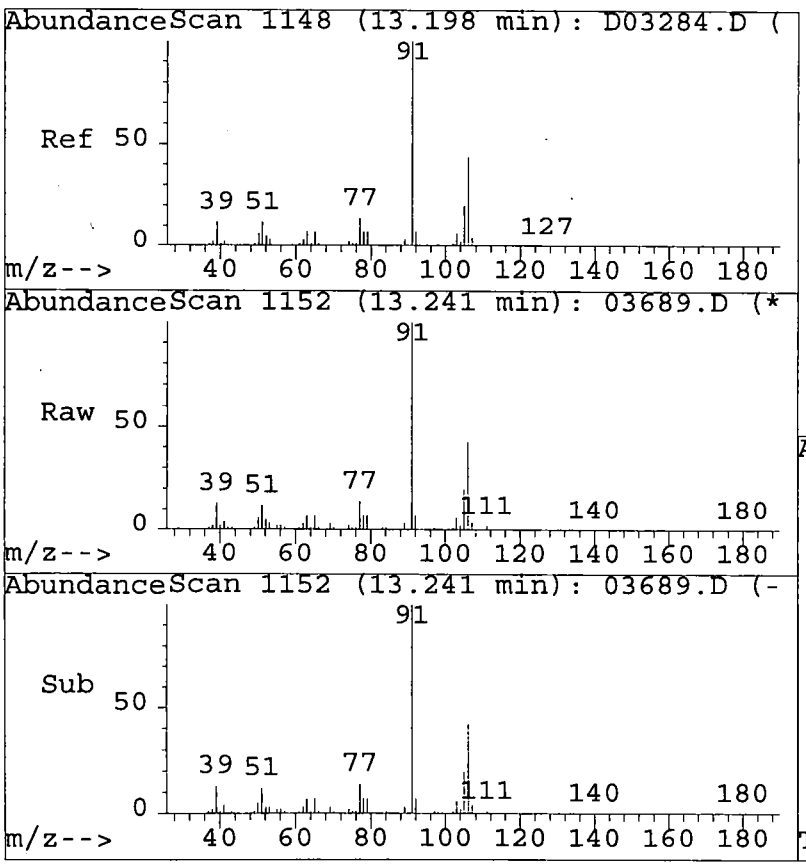


#61
Ethylbenzene
Concen: 60.54 ug/L
RT: 13.03 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03689.d
Acq: 6 May 98 6:47 pm

Tgt Ion:106 Resp: 622698

Ion	Ratio	Lower	Upper
106	100		
91	371.2	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

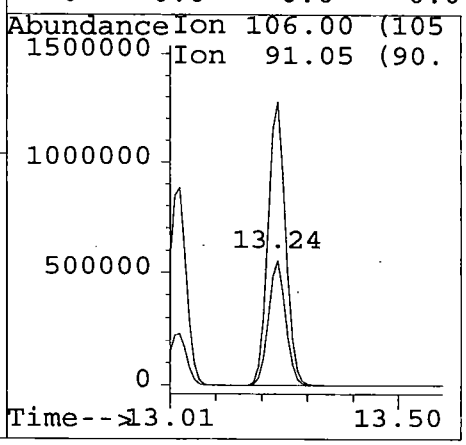


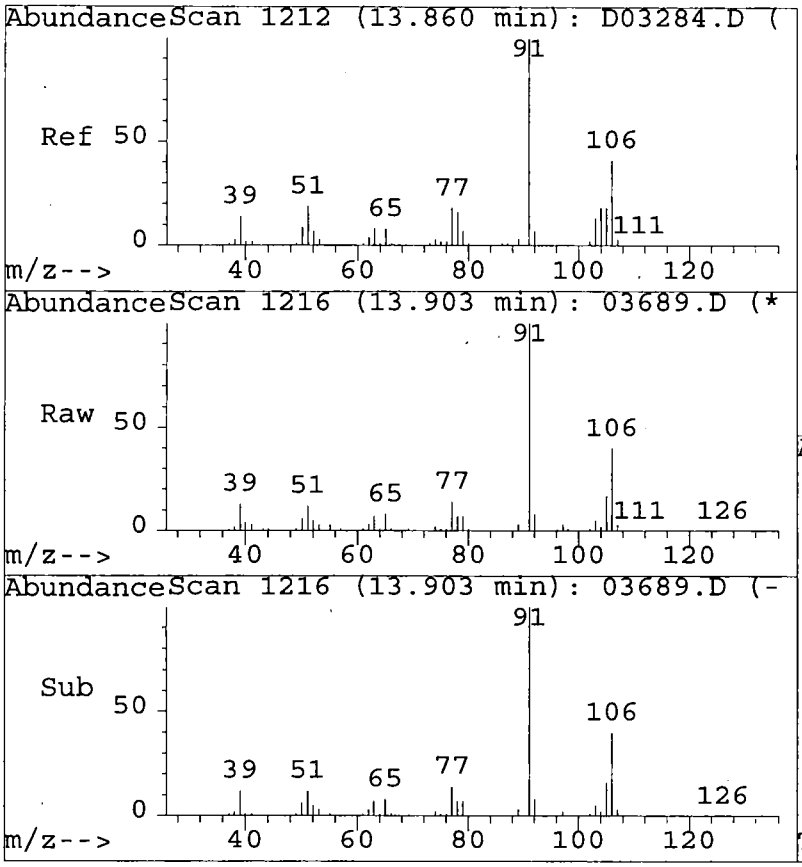


#62
Meta + Para Xylene
Concen: 100.56 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03689.d
Acq: 6 May 98 6:47 pm

Tgt Ion:106 Resp: 1415914

Ion	Ratio	Lower	Upper
106	100		
91	232.3	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

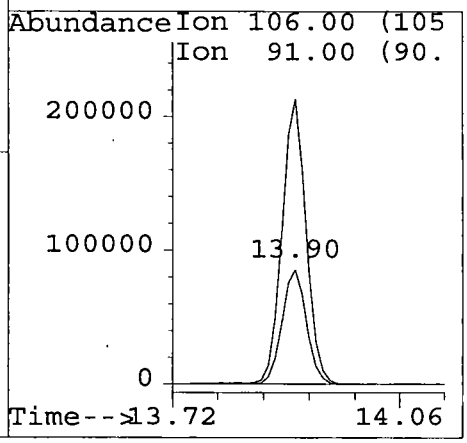




#63
Ortho Xylene
Concen: 17.02 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03689.d
Acq: 6 May 98 6:47 pm

Tgt Ion:106 Resp: 220695

Ion	Ratio	Lower	Upper
106	100		
91	246.5	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

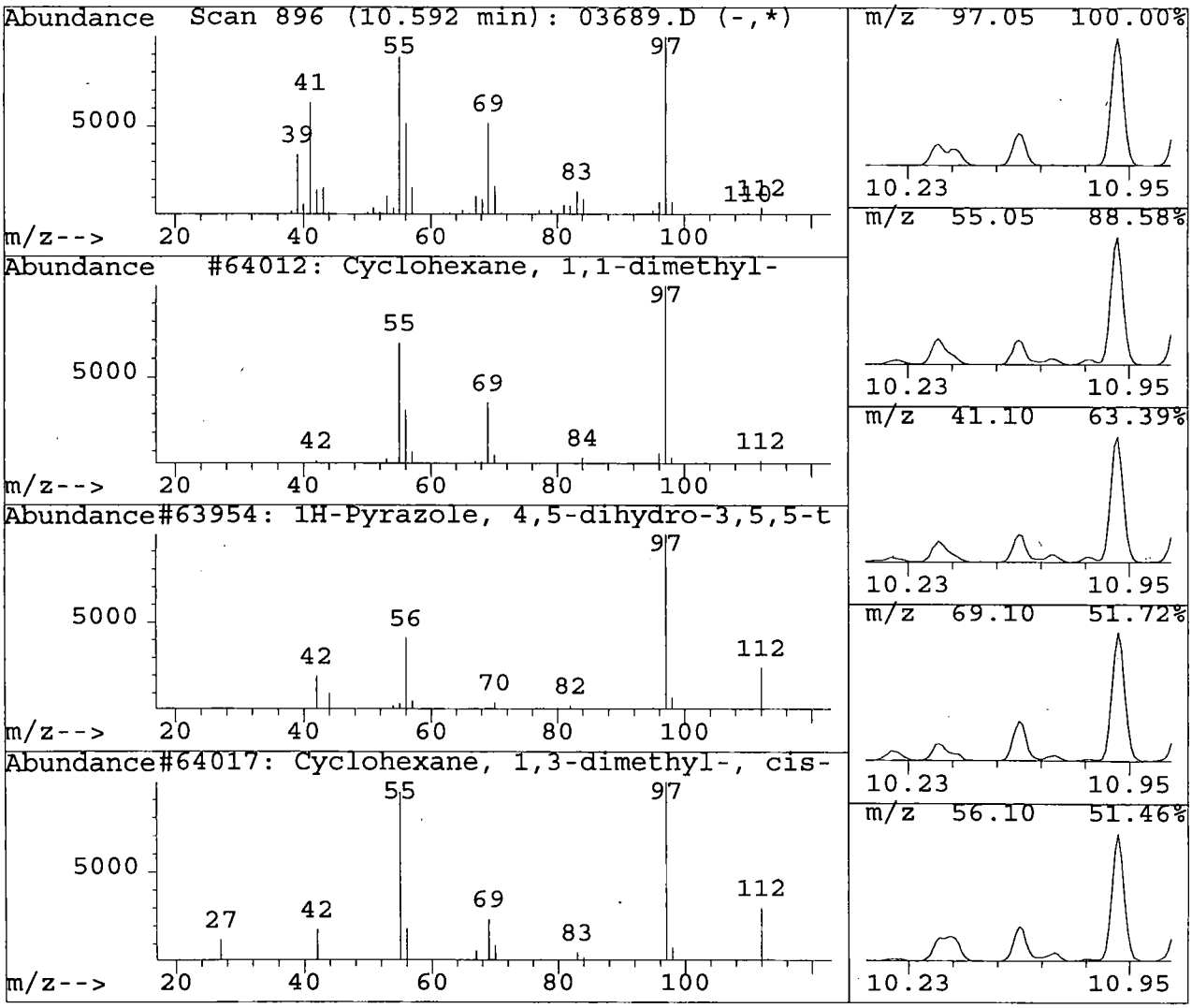
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
10.59	8.81 ug/L	570628	Chlorobenzene-d5	3239801	12.75

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	64012	000590-66-9	91
2	1H-Pyrazole, 4,5-dihydro-3,5,5-trim	63954	003975-85-7	64
3	Cyclohexane, 1,3-dimethyl-, cis-	64017	000638-04-0	53
4	Cyclohexane, 1,3-dimethyl-, trans-	64000	002207-03-6	52
5	Cyclopentane, 1,1,3-trimethyl-	2676	004516-69-2	49



Library Search Compound Report

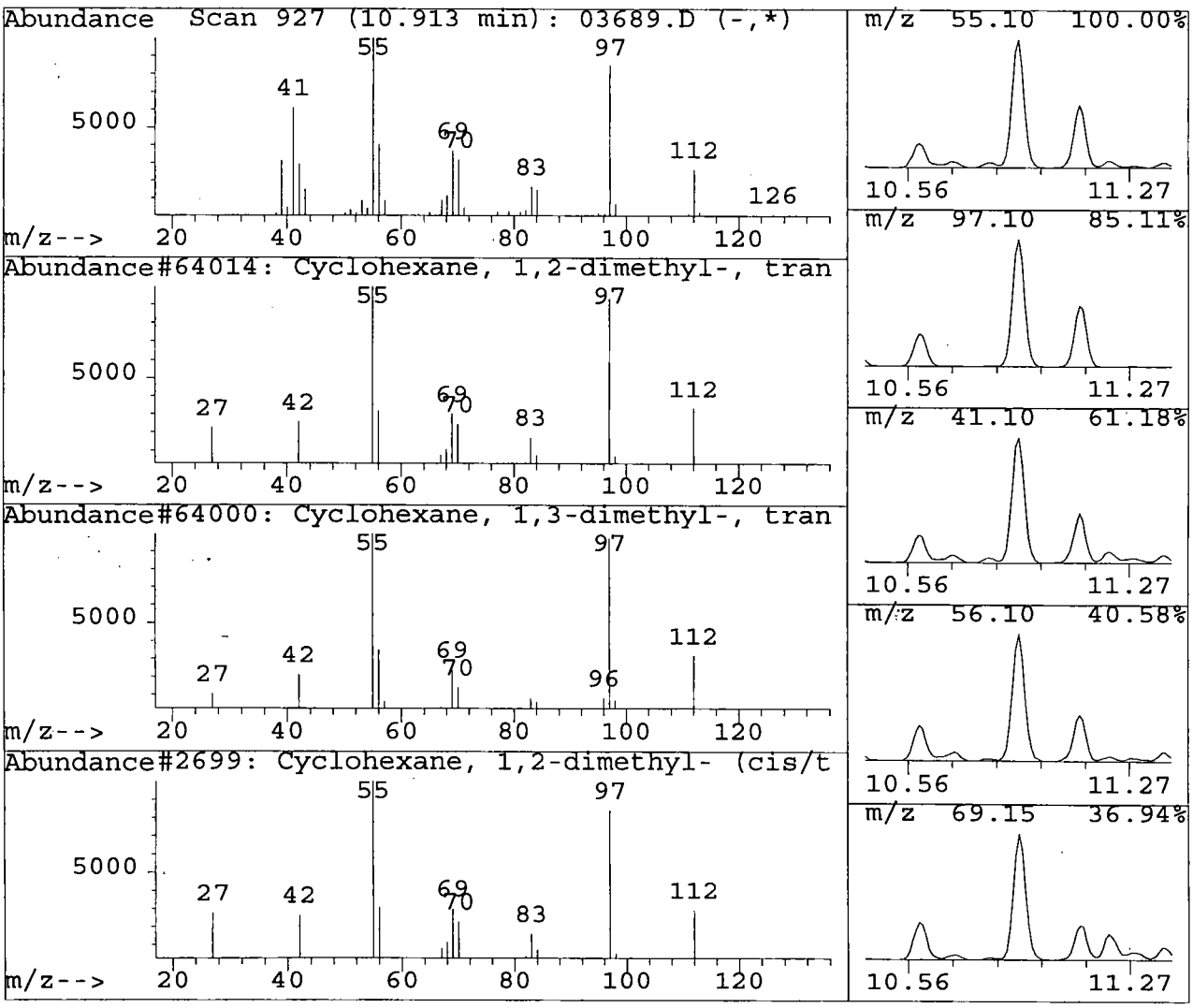
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
10.91	39.81 ug/L	2579765	Chlorobenzene-d5	3239801	12.75

Hit 3	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	64014	006876-23-9	90
2	Cyclohexane, 1,3-dimethyl-, trans-	64000	002207-03-6	90
3	Cyclohexane, 1,2-dimethyl- (cis/tra	2699	000583-57-3	87
4	Cyclohexane, 1,2-dimethyl-, cis-	2653	002207-01-4	76
5	Cyclohexane, 1,4-dimethyl-	64013	000589-90-2	74



Library Search Compound Report

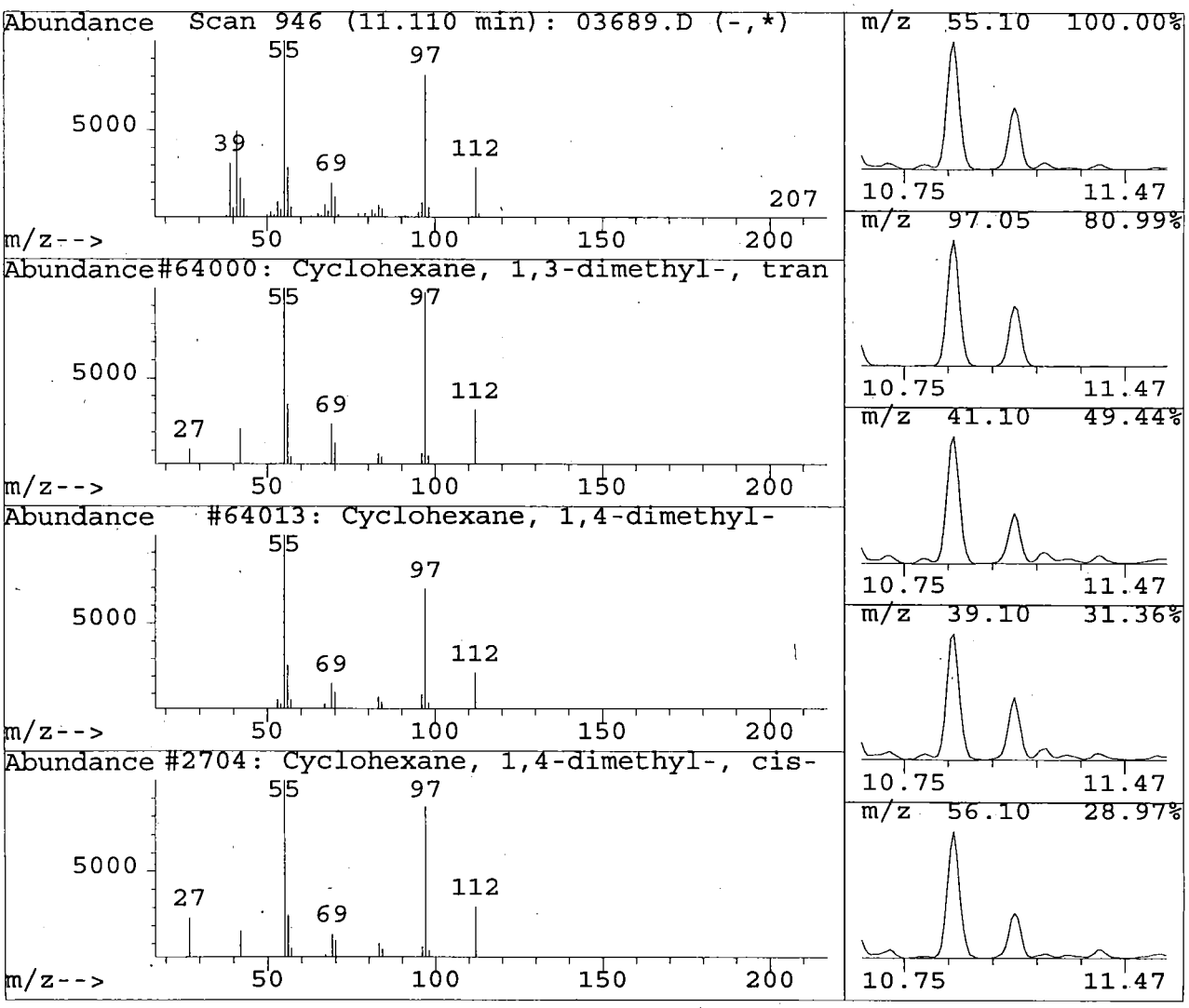
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
11.11	16.30 ug/L	1056478	Chlorobenzene-d5	3239801	12.75

Hit 4	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	64000	002207-03-6	95
2	Cyclohexane, 1,4-dimethyl-	64013	000589-90-2	95
3	Cyclohexane, 1,4-dimethyl-, cis-	2704	000624-29-3	90
4	Cyclohexane, 1,3-dimethyl-, cis-	64016	000638-04-0	90
5	Cyclohexane, 1,4-dimethyl-, trans-	64008	002207-04-7	74



Library Search Compound Report

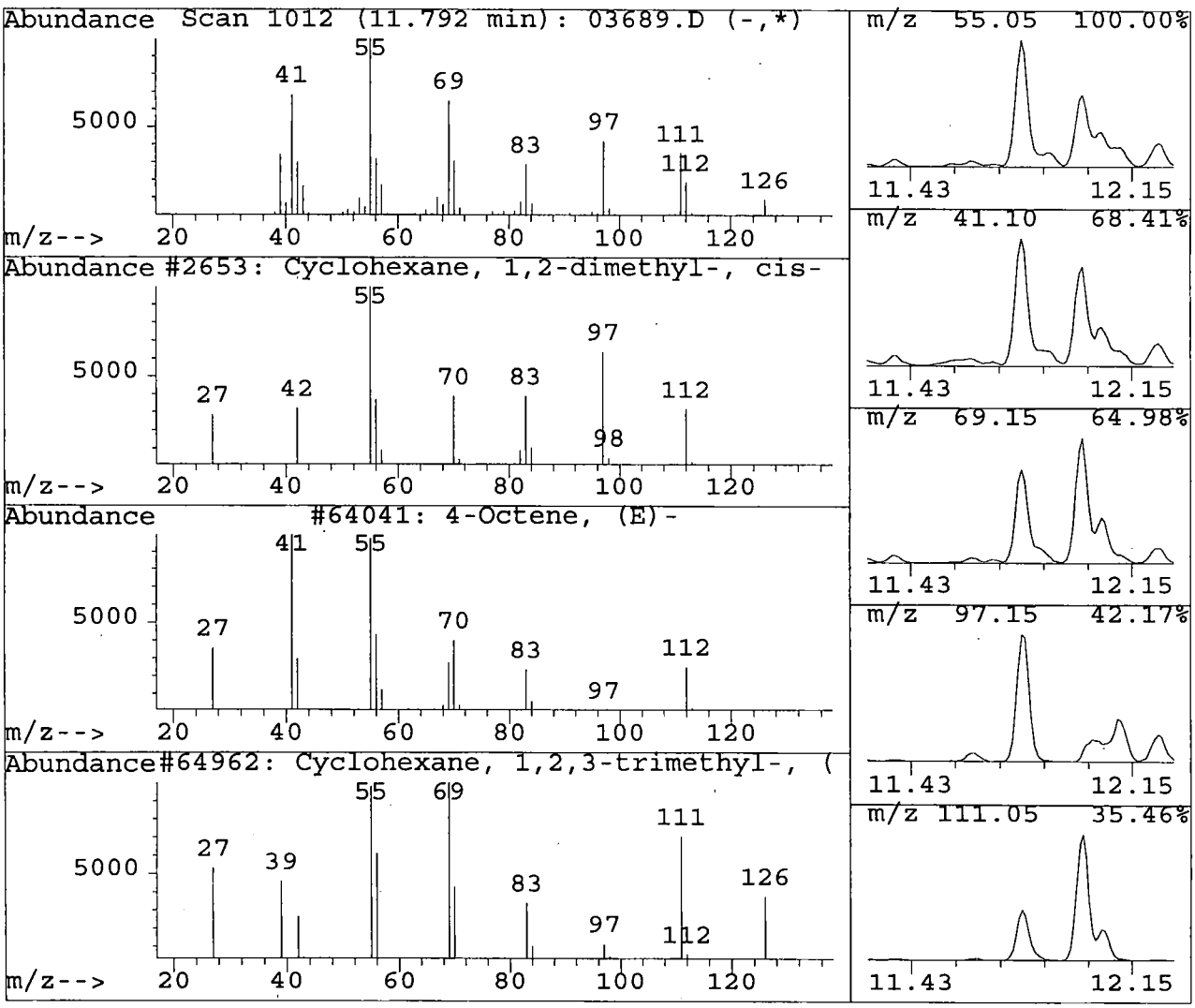
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
11.79	31.97 ug/L	2071843	Chlorobenzene-d5	3239801	12.75

Hit 5	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	2653	002207-01-4	70
2	4-Octene, (E)-	64041	014850-23-8	55
3	Cyclohexane, 1,2,3-trimethyl-, (1.a	64962	001678-81-5	52
4	2-Octene	2659	000111-67-1	46
5	4-Octene, (Z)-	63990	007642-15-1	41



Library Search Compound Report

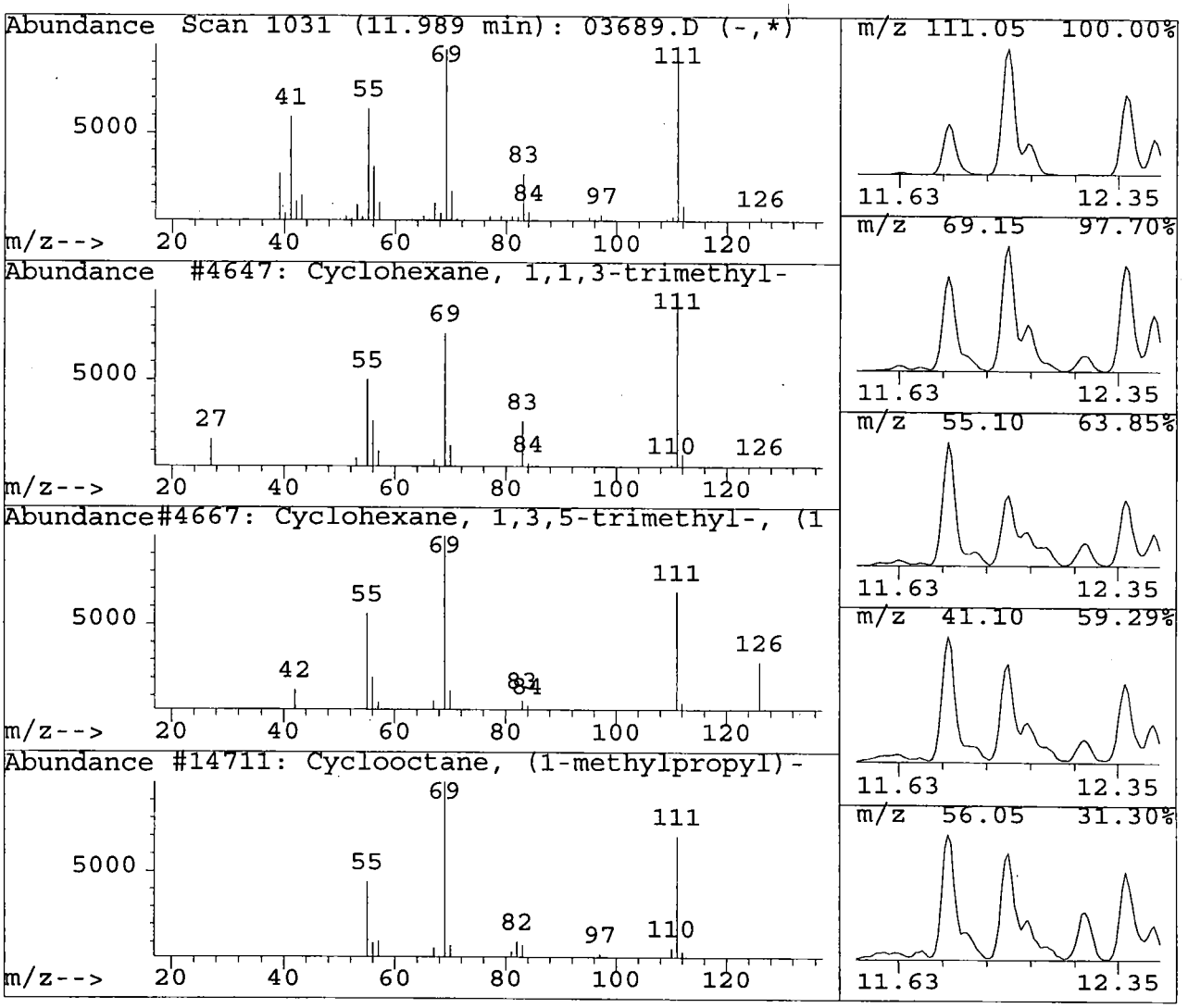
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
11.99	25.35 ug/L	1642654	Chlorobenzene-d5	3239801	12.75

Hit 6	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	4647	003073-66-3	97
2	Cyclohexane, 1,3,5-trimethyl-, (1.a	4667	001795-26-2	78
3	Cyclooctane, (1-methylpropyl)-	14711	016538-89-9	72
4	Cyclohexane, 1,3,5-trimethyl-	64930	001839-63-0	72
5	Cyclohexane, 1,4-dimethyl-2-octadec	50819	055282-02-5	72



Library Search Compound Report

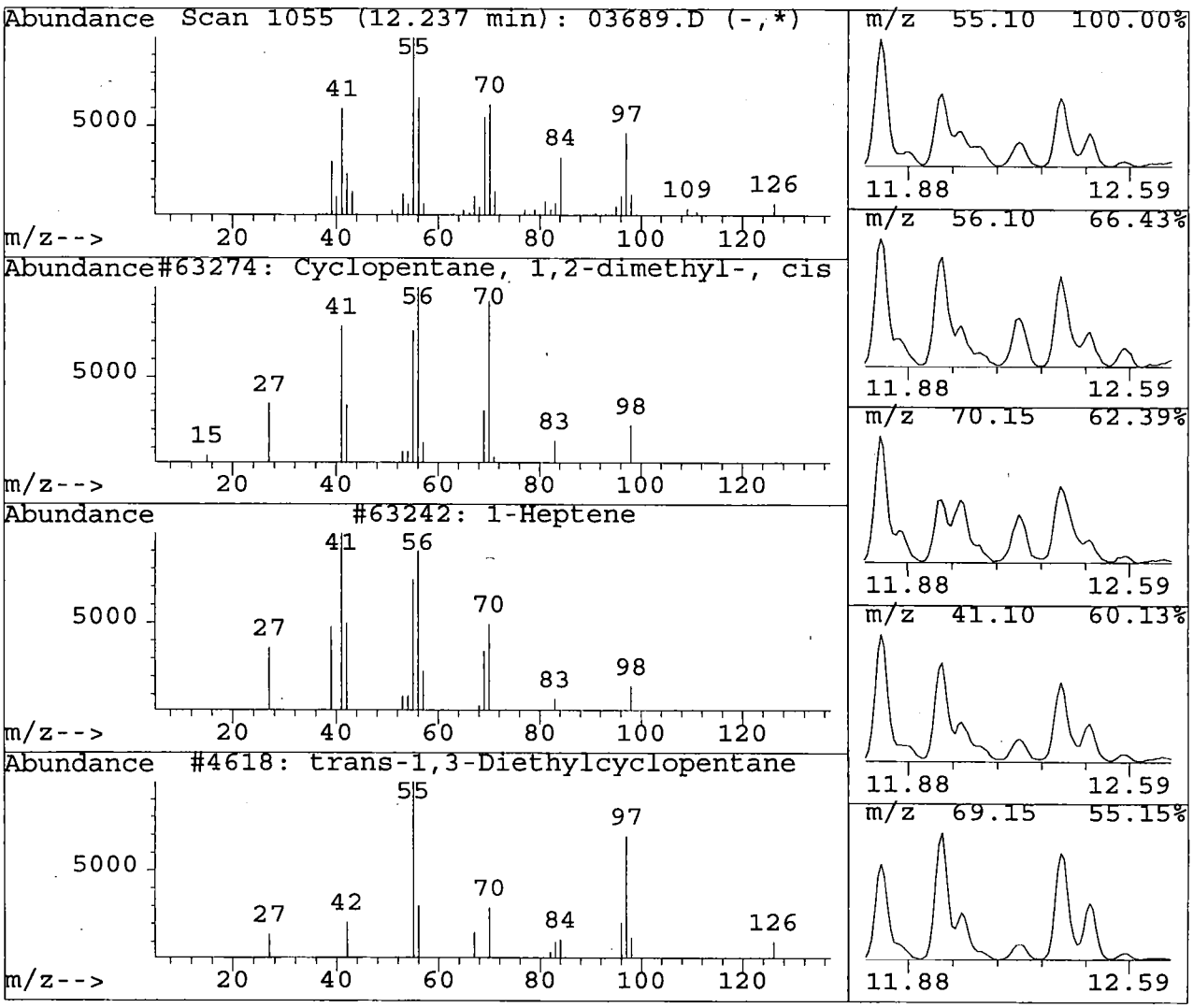
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
12.24	6.51 ug/L	421656	Chlorobenzene-d5	3239801	12.75

Hit 7	Tentative ID	Ref#	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	63274	001192-18-3	46
2	1-Heptene	63242	000592-76-7	46
3	trans-1,3-Diethylcyclopentane	4618	000000-00-0	43
4	1-Pentene, 3-methyl-	596	000760-20-3	30
5	1-Hexene, 3-methyl-	1325	003404-61-3	30



Library Search Compound Report

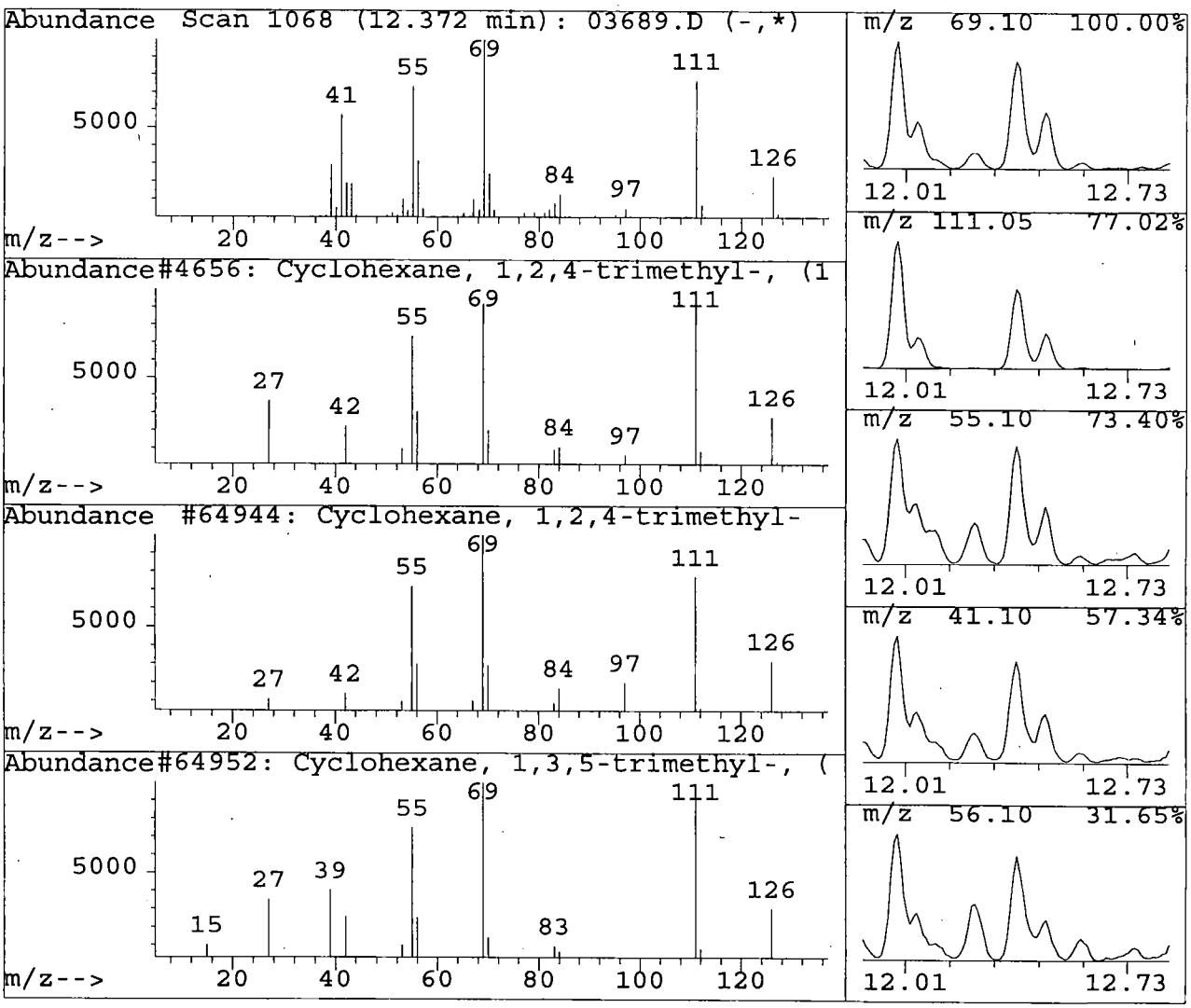
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
12.37	21.73 ug/L	1408310	Chlorobenzene-d5	3239801	12.75

Hit 8	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (1.a	4656	007667-60-9	97
2	Cyclohexane, 1,2,4-trimethyl-	64944	002234-75-5	94
3	Cyclohexane, 1,3,5-trimethyl-, (1.a	64952	001795-26-2	90
4	Cyclohexane, 1,3,5-trimethyl-	4621	001839-63-0	87
5	Cyclohexane, 1,3,5-trimethyl-, (1.a	64953	001795-27-3	74



Library Search Compound Report

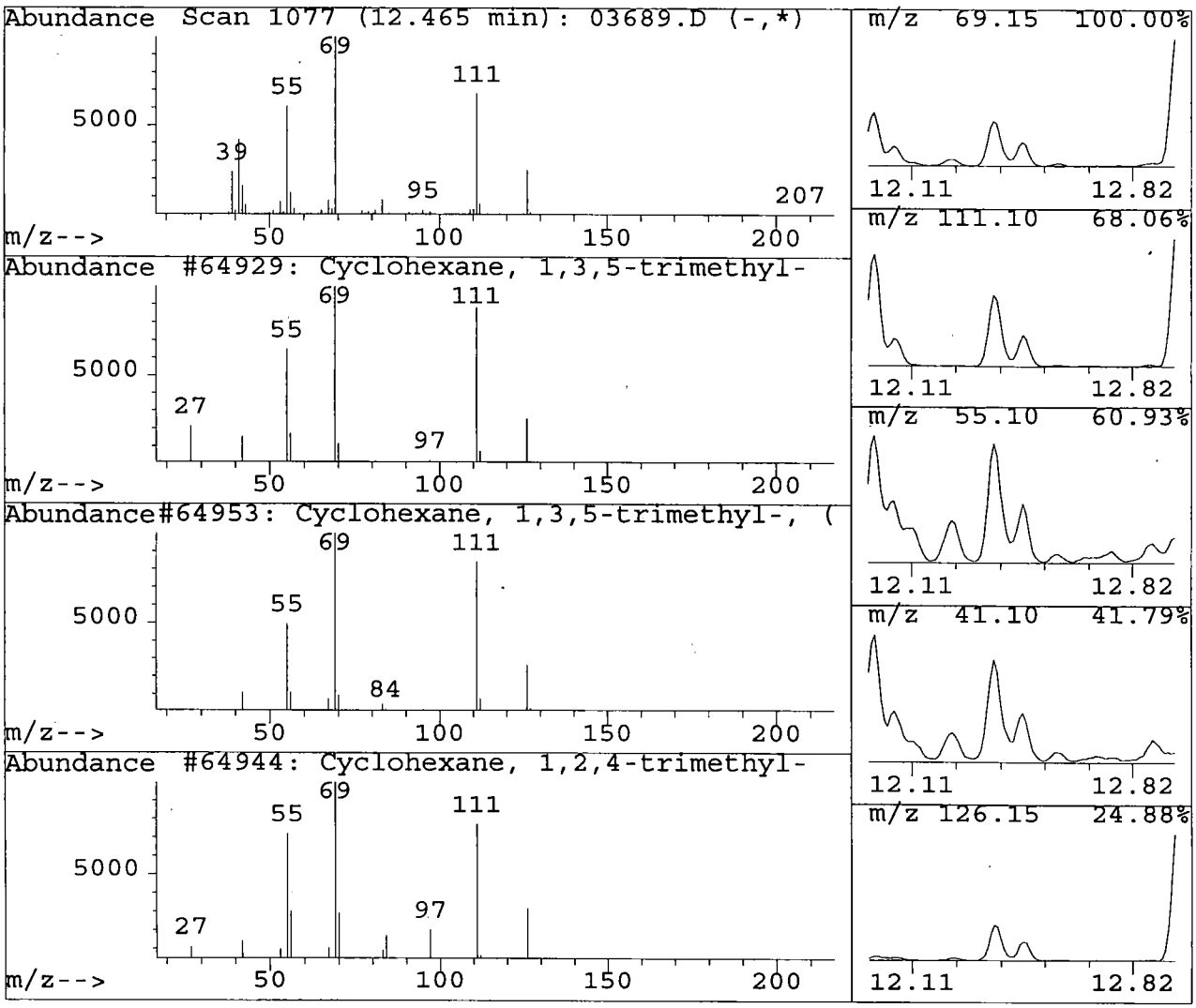
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
12.46	9.52 ug/L	616675	Chlorobenzene-d5	3239801	12.75

Hit 9	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	64929	001839-63-0	91
2	Cyclohexane, 1,3,5-trimethyl-, (1.a	64953	001795-27-3	91
3	Cyclohexane, 1,2,4-trimethyl-	64944	002234-75-5	87
4	Cyclohexane, 1,3,5-trimethyl-, (1.a	4667	001795-26-2	86
5	1,1,3,4-Tetramethylcyclohexane	7599	095057-12-8	64



Library Search Compound Report

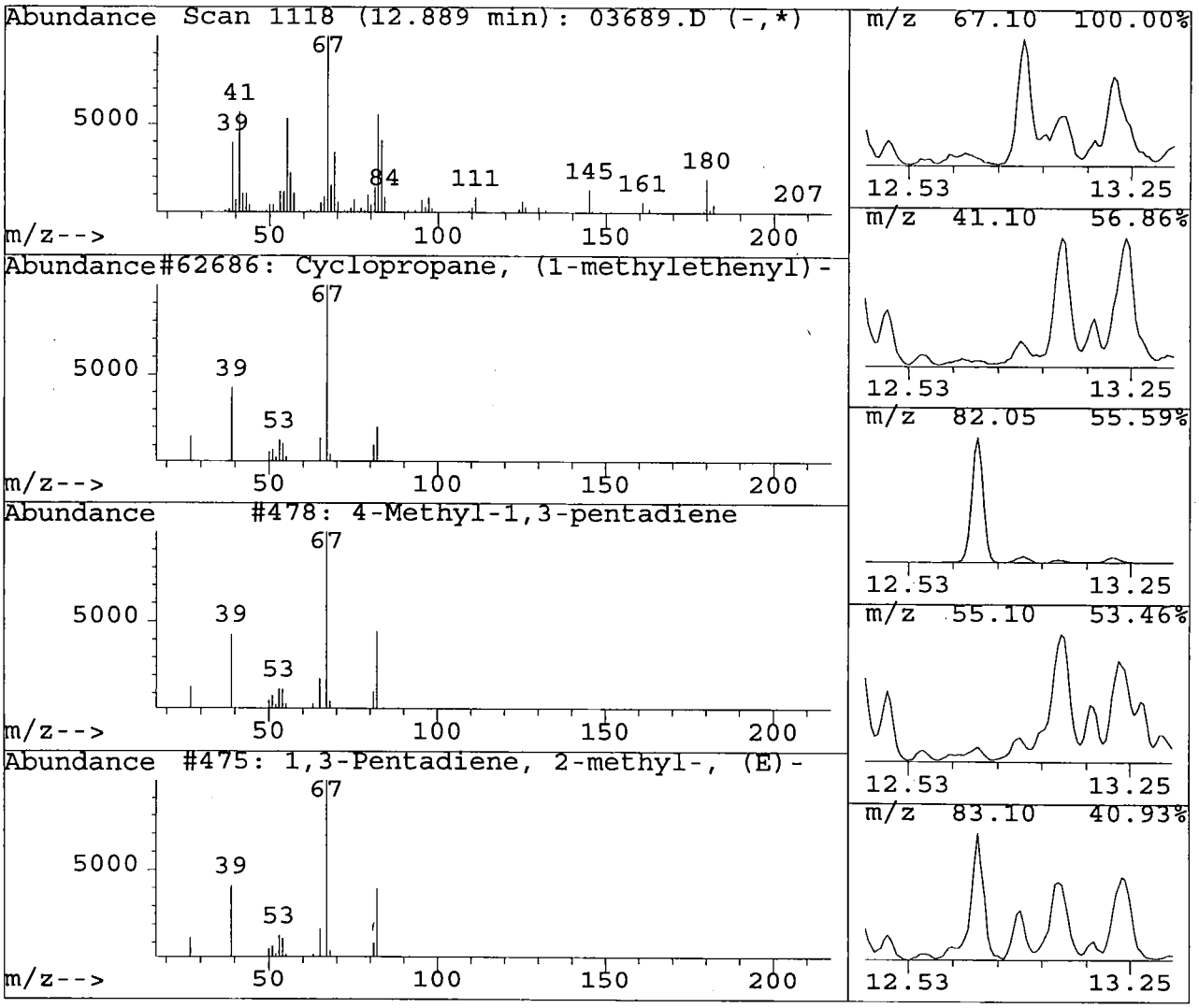
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
12.89	6.06 ug/L	392810	Chlorobenzene-d5	3239801	12.75

Hit 10	Tentative ID	Ref#	CAS#	Qual
1	Cyclopropane, (1-methylethenyl)-	62686	004663-22-3	47
2	4-Methyl-1,3-pentadiene	478	000926-56-7	47
3	1,3-Pentadiene, 2-methyl-, (E)-	475	000926-54-5	47
4	2,4-Hexadiene	62675	000592-46-1	47
5	4-Penten-1-ol, 3-methyl-	1517	051174-44-8	43



Library Search Compound Report

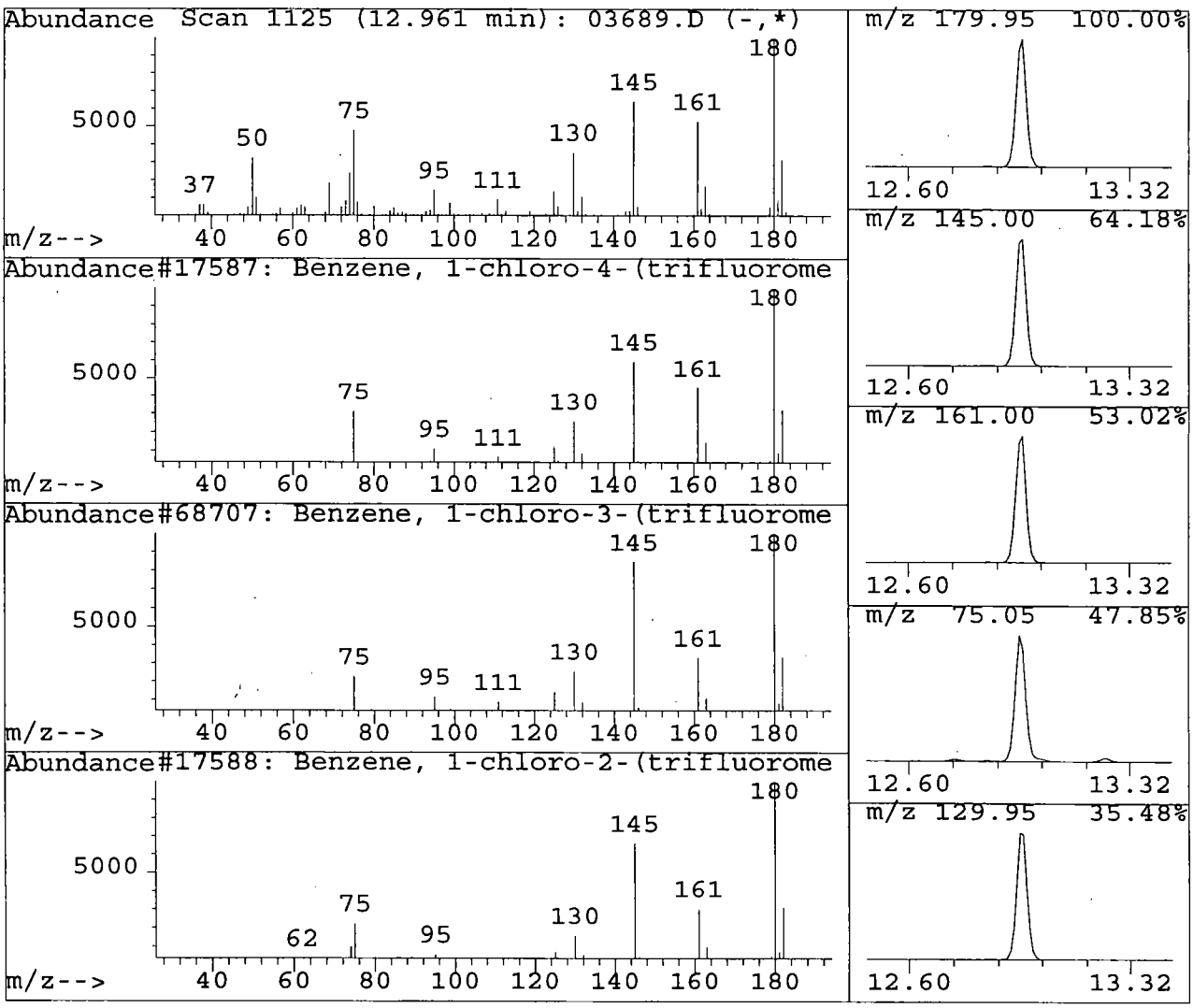
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
12.96	315.42 ug/L	20437718	Chlorobenzene-d5	3239801	12.75

Hit 11	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-4-(trifluoromethy	17587	000098-56-6	98
2	Benzene, 1-chloro-3-(trifluoromethy	68707	000098-15-7	95
3	Benzene, 1-chloro-2-(trifluoromethy	17588	000088-16-4	81
4	1H-Purine-2,6-dione, 3,7-dihydro-3,	68717	000083-67-0	18
5	1,3-Benzenedicarboxaldehyde, 2,4-di	17645	010209-57-1	14



Library Search Compound Report

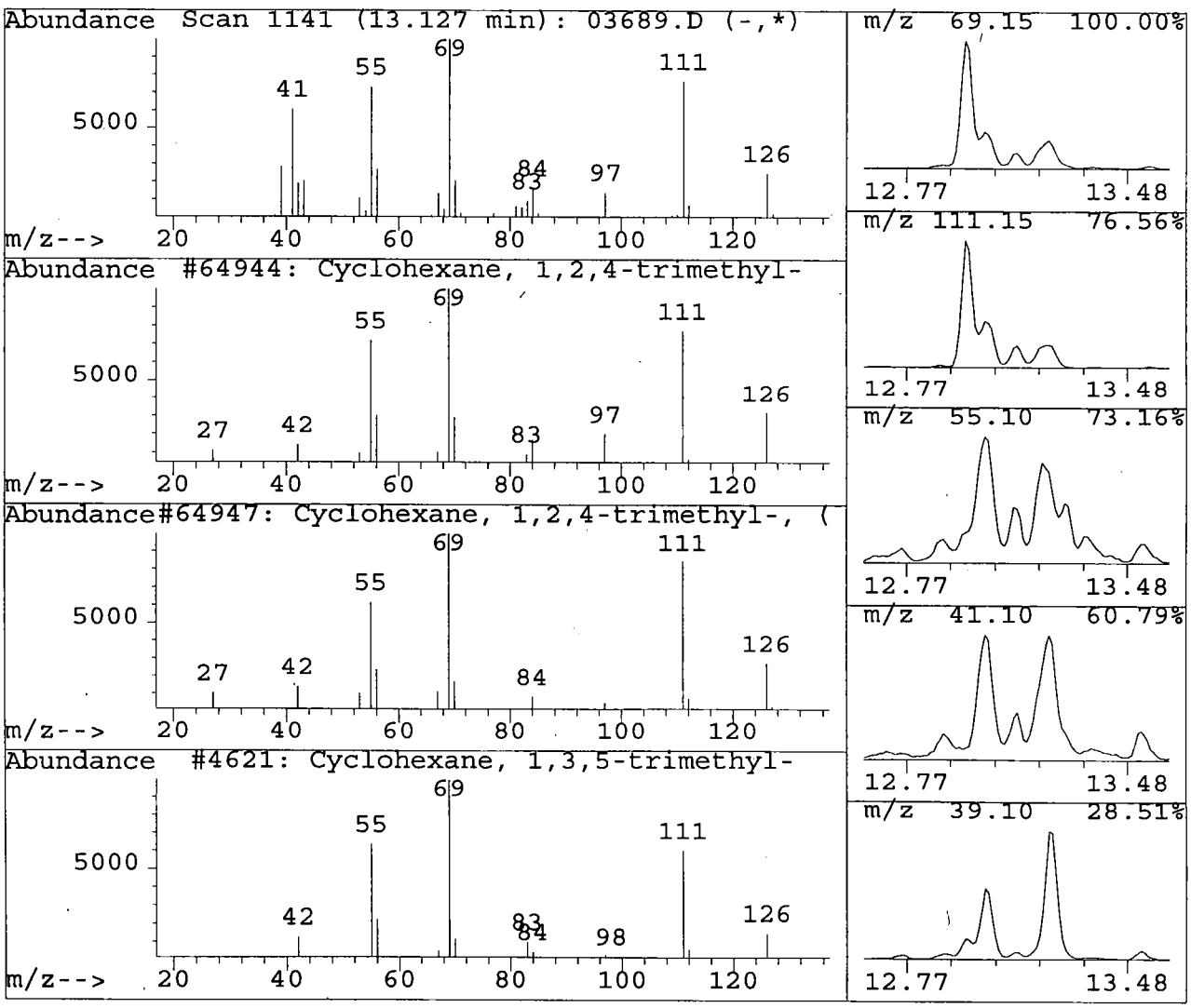
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
13.13	7.04 ug/L	456423	Chlorobenzene-d5	3239801	12.75

Hit 12	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	64944	002234-75-5	94
2	Cyclohexane, 1,2,4-trimethyl-, (1.a	64947	007667-60-9	94
3	Cyclohexane, 1,3,5-trimethyl-	4621	001839-63-0	90
4	Cyclohexane, 1,3,5-trimethyl-, (1.a	64952	001795-26-2	87
5	Cyclohexane, 1,1,2-trimethyl-	4685	007094-26-0	74



Library Search Compound Report

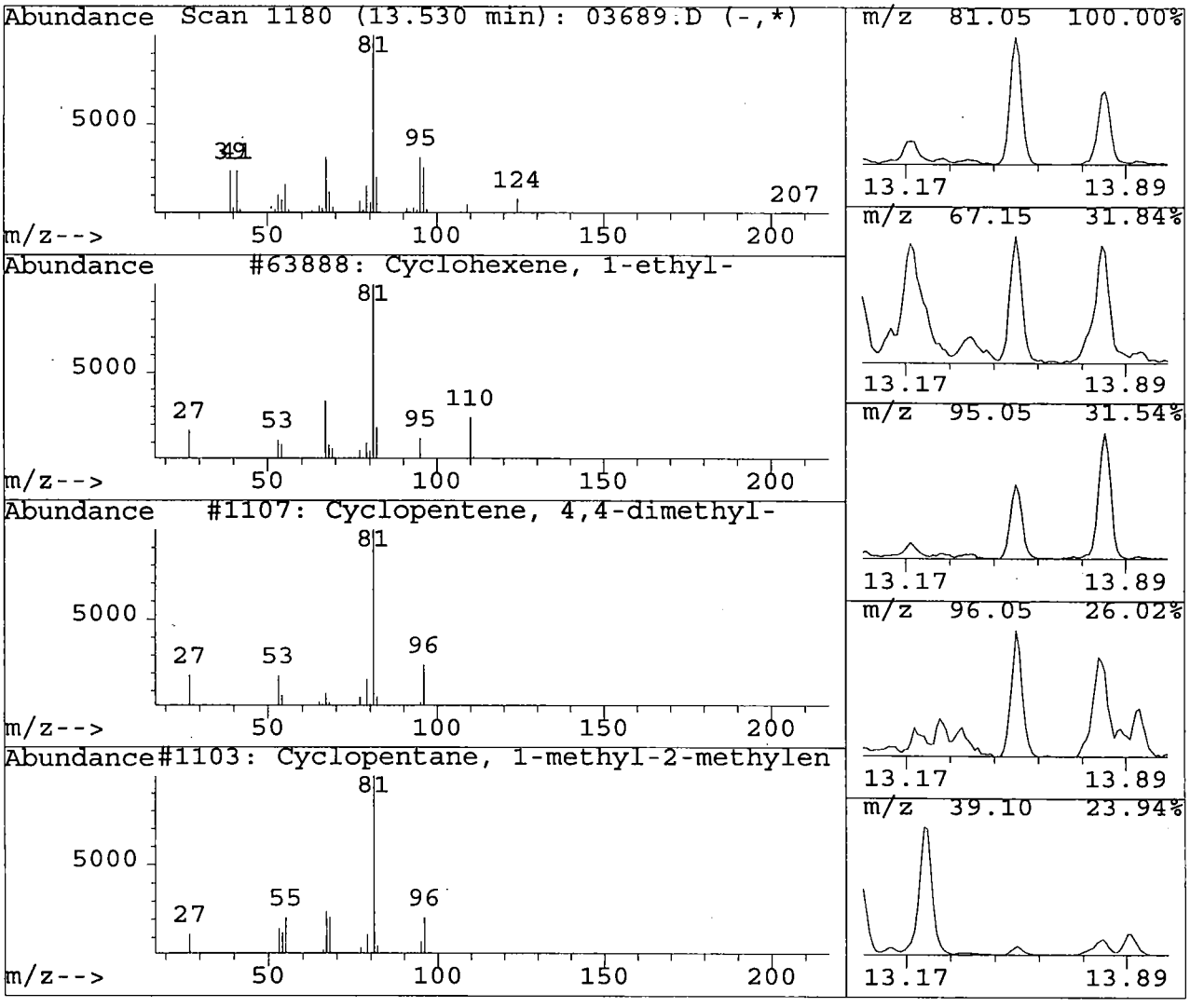
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
13.53	8.19 ug/L	530762	Chlorobenzene-d5	3239801	12.75

Hit 13	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexene, 1-ethyl-	63888	001453-24-3	59
2	Cyclopentene, 4,4-dimethyl-	1107	019037-72-0	58
3	Cyclopentane, 1-methyl-2-methylene-	1103	041158-41-2	53
4	1,3-Isobenzofurandione, hexahydro-5	14469	019438-60-9	53
5	Cyclopentene, 1,5-dimethyl-	1136	016491-15-9	52



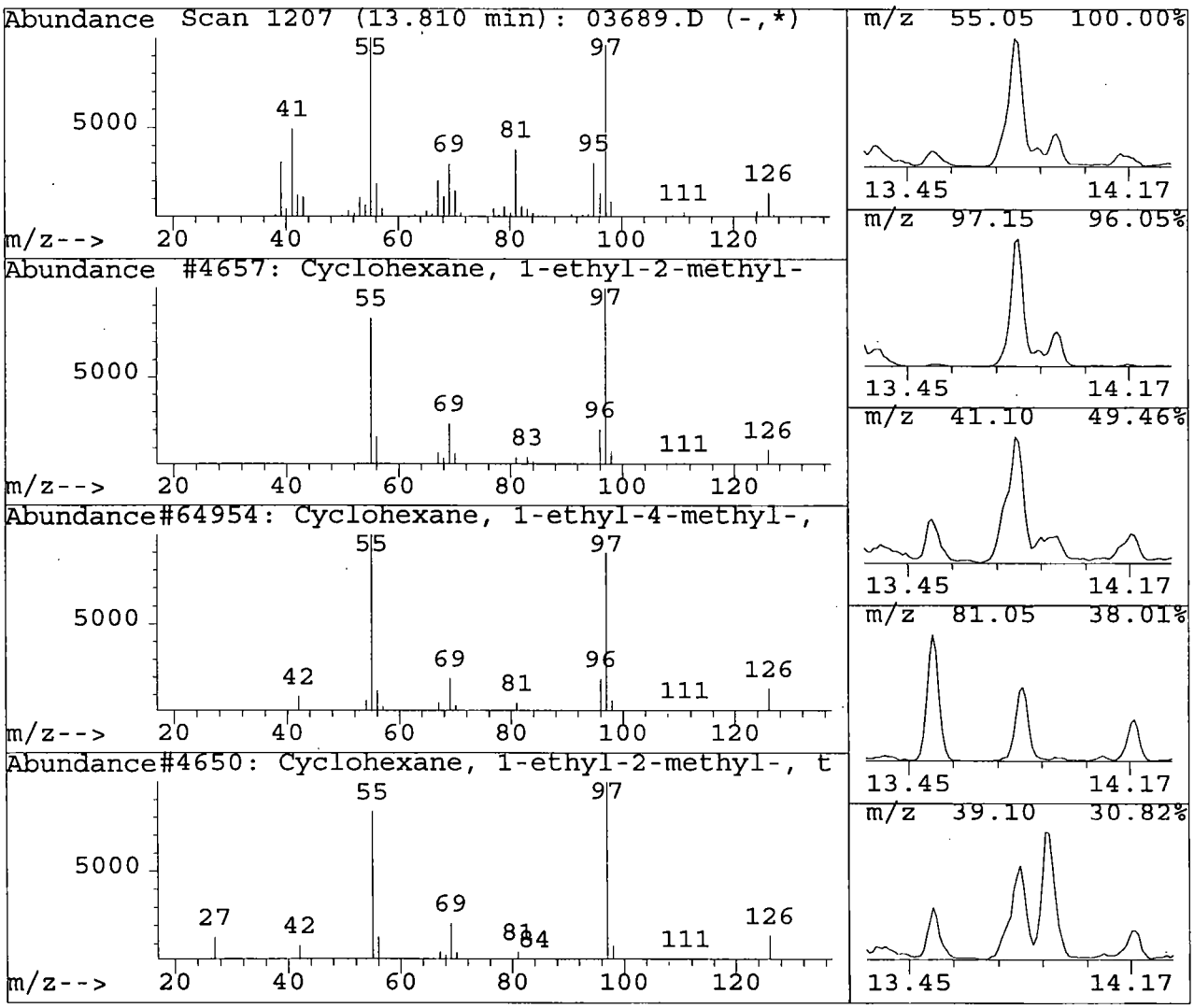
Library Search Compound Report

Data File : c:\hpchem\1\data\05_06_98\03689.d Vial: 14
Acq On : 6 May 98 6:47 pm Operator:
Sample : TLCEDW1*16 Inst : VOA8
Misc : Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
13.81	22.80 ug/L	1477119	Chlorobenzene-d5	3239801	12.75

Hit 14	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	4657	003728-54-9	62
2	Cyclohexane, 1-ethyl-4-methyl-, tra	64954	006236-88-0	58
3	Cyclohexane, 1-ethyl-2-methyl-, tra	4650	004923-78-8	58
4	1-Ethyl-3-methylcyclohexane (c,t)	4658	003728-55-0	53
5	Cyclohexane, 1-ethyl-2-methyl-, cis	4648	004923-77-7	53



Library Search Compound Report

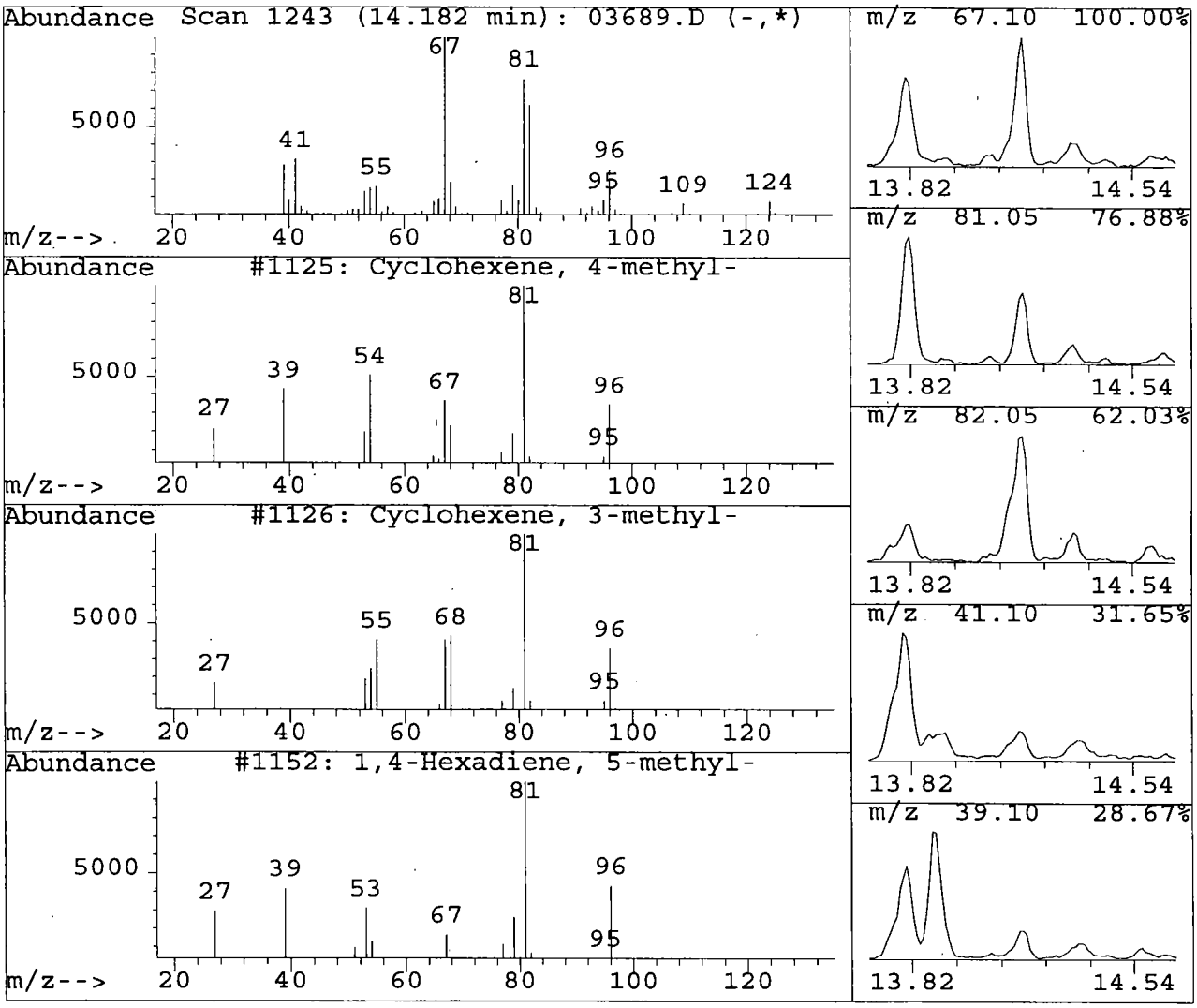
Data File : c:\hpchem\1\data\05_06_98\03689.d
Acq On : 6 May 98 6:47 pm
Sample : TLCEDW1*16
Misc :

Vial: 14
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
14.18	5.41 ug/L	350404	Chlorobenzene-d5	3239801	12.75

Hit 15	Tentative ID	Ref#	CAS#	Qual
1	Cyclohexene, 4-methyl-	1125	000591-47-9	55
2	Cyclohexene, 3-methyl-	1126	000591-48-0	46
3	1,4-Hexadiene, 5-methyl-	1152	000763-88-2	43
4	1,4-Hexadiene, 2-methyl-	1142	001119-14-8	43
5	1,4-Pentadiene, 3-methyl-	494	001115-08-8	43



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03690.d
Acq On : 6 May 98 7:17 pm
Sample : TLCEDW1*20
Misc :
Quant Time: May 13 13:36 1998

Vial: 15
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.94	543	484621	50.00 ug/L	0.02
30) 1,4-Difluorobenzene	8.05	650	949974	50.00 ug/L	0.02
52) Chlorobenzene-d5	12.75	1105	824962	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	384520	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	419267	49.03 ug/L	98.07%
32) Dibromofluoromethane	6.79	529	285360	47.34 ug/L	94.69%
47) Toluene-d8	10.38	876	1253120	50.28 ug/L	100.56%
51) Bromofluorobenzene	14.79	1302	452844	48.05 ug/L	96.09%

Target Compounds Qvalue

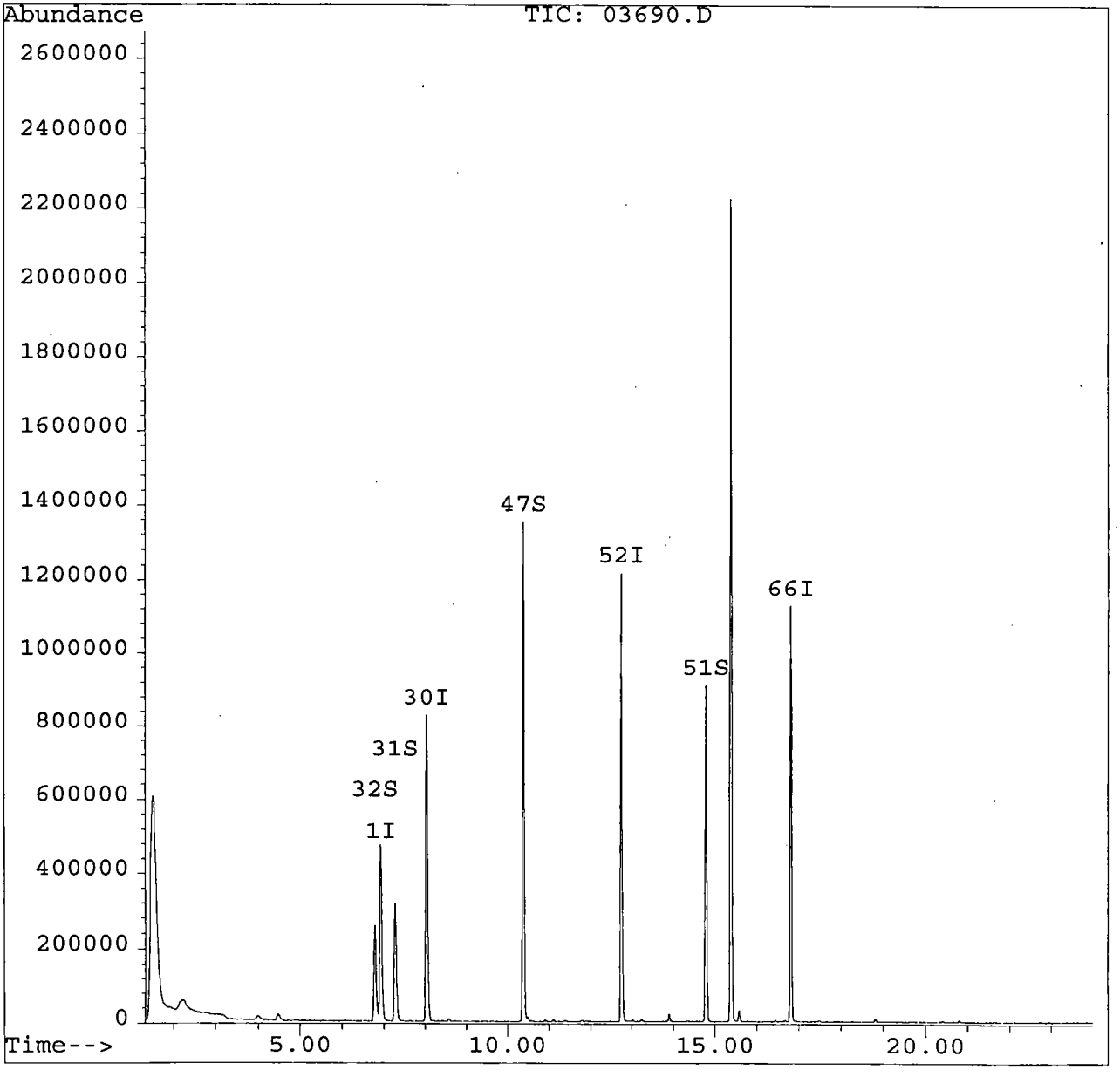
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03690.d
Acq On : 6 May 98 7:17 pm
Sample : TLCEDW1*20
Misc :
Quant Time: May 13 13:36 1998

Vial: 15
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



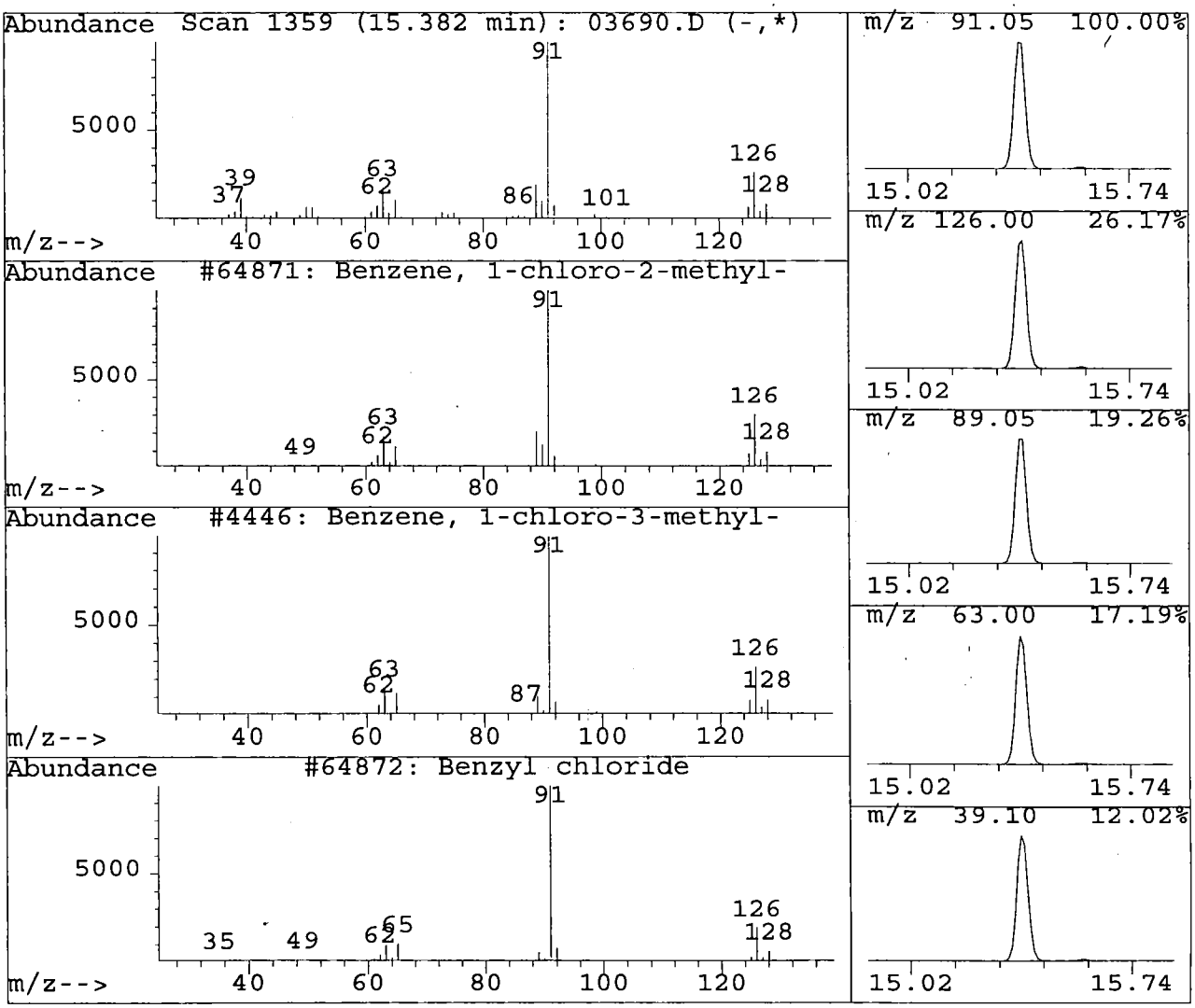
Library Search Compound Report

Data File : c:\hpchem\1\data\05_06_98\03690.d Vial: 15
Acq On : 6 May 98 7:17 pm Operator:
Sample : TLCEDW1*20 Inst : VOA8
Misc : Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
15.38	103.64 ug/L	5725416	1,4-Dichlorobenze	2762291	16.82

Hit 2	Tentative ID	Ref#	CAS#	Qual
1	Benzene, 1-chloro-2-methyl-	64871	000095-49-8	96
2	Benzene, 1-chloro-3-methyl-	4446	000108-41-8	93
3	Benzyl chloride	64872	000100-44-7	68
4	Benzene, 1-chloro-4-methyl-	64878	000106-43-4	49
5	1,3,5-Cycloheptatriene, 1-chloro-	4450	032743-66-1	43



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03692.d Vial: 1
Acq On : 6 May 98 8:18 pm Operator:
Sample : TLCEDW1*17 Inst : VOA8
Misc : DIL40 Multiplr: 40.00
Quant Time: May 13 13:56 1998

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.94	543	428258	50.00	ug/L	0.02
30) 1,4-Difluorobenzene	8.05	650	854618	50.00	ug/L	0.02
52) Chlorobenzene-d5	12.76	1105	752241	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	342557	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.29	577	381746	49.63	ug/L	99.25%
32) Dibromofluoromethane	6.80	529	258149	47.61	ug/L	95.22%
47) Toluene-d8	10.39	876	1085061	48.39	ug/L	96.79%
51) Bromofluorobenzene	14.79	1302	396052	46.71	ug/L	93.42%
Target Compounds						Qvalue
48) Toluene	10.49	886	1108532	1482.81	ug/L	100
59) Chlorobenzene	12.80	1109	67525	165.78	ug/L	99
61) Ethylbenzene	13.03	1131	7580	34.77	ug/L	91
62) Meta + Para Xylene	13.23	1151	17944	60.13	ug/L	95
63) Ortho Xylene	13.89	1215	14429	52.51	ug/L	99

reported w/5x dil 03677.d
05/13/98

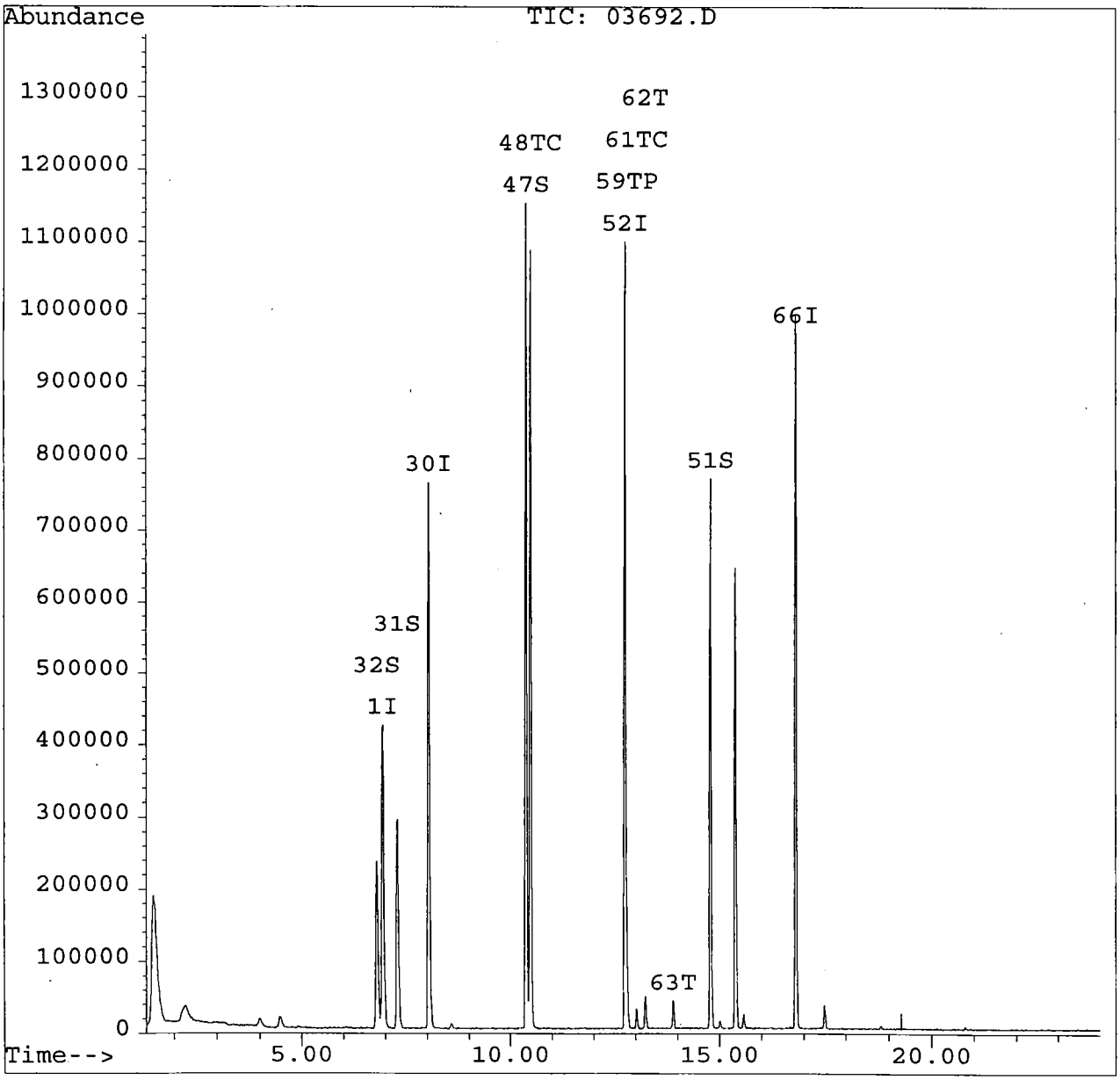
(#) = qualifier out of range (m) = manual integration
03692.d W8260ALL.M Wed May 13 14:05:16 1998 RP1 Page 1

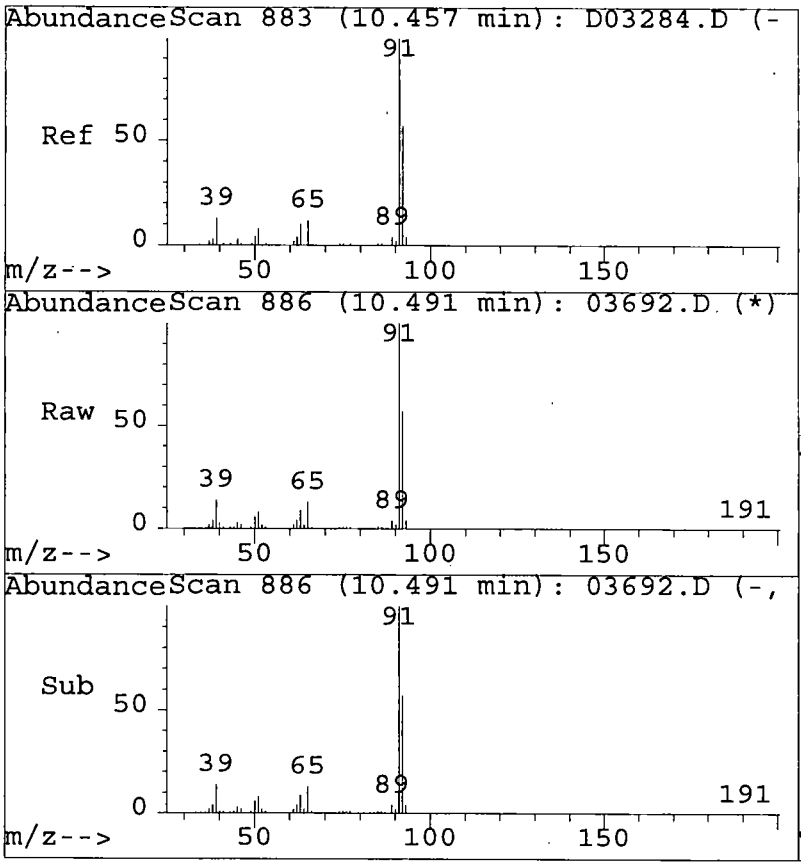
Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03692.d
Acq On : 6 May 98 8:18 pm
Sample : TLCEDW1*17
Misc : DIL40
Quant Time: May 13 13:56 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 40.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

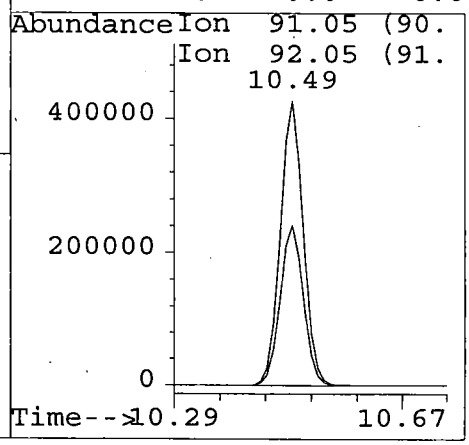


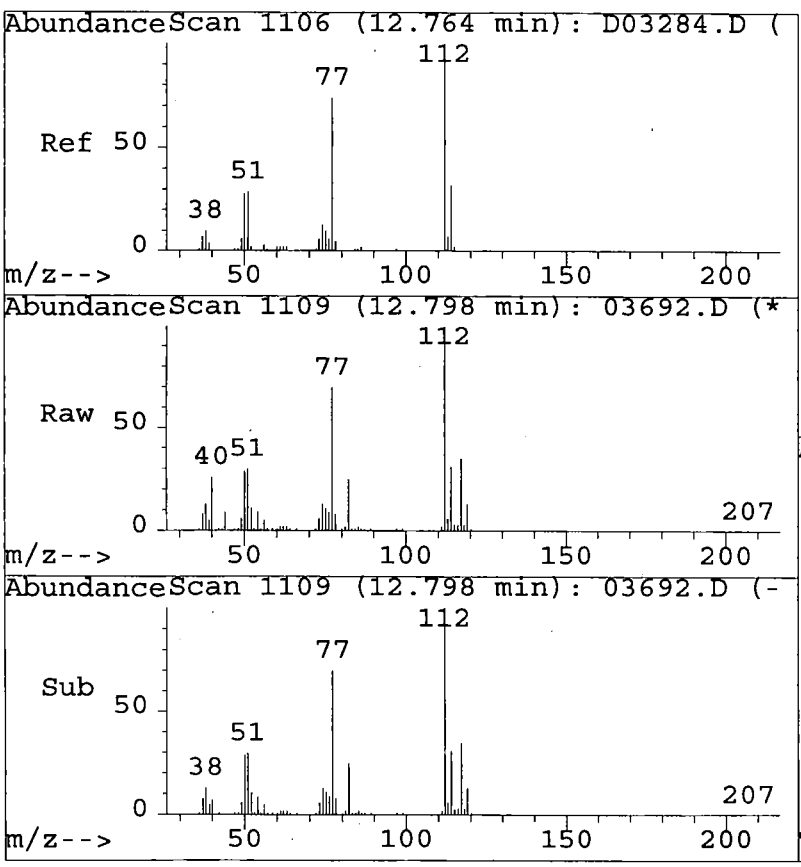


#48
Toluene
Concen: 1482.81 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03692.d
Acq: 6 May 98 8:18 pm

Tgt Ion:91.05 Resp: 1108532

Ion	Ratio	Lower	Upper
91	100		
92	57.5	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

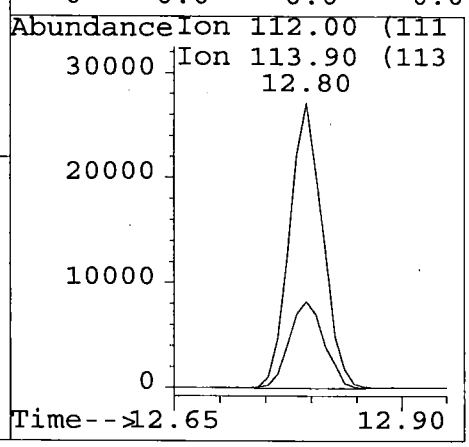


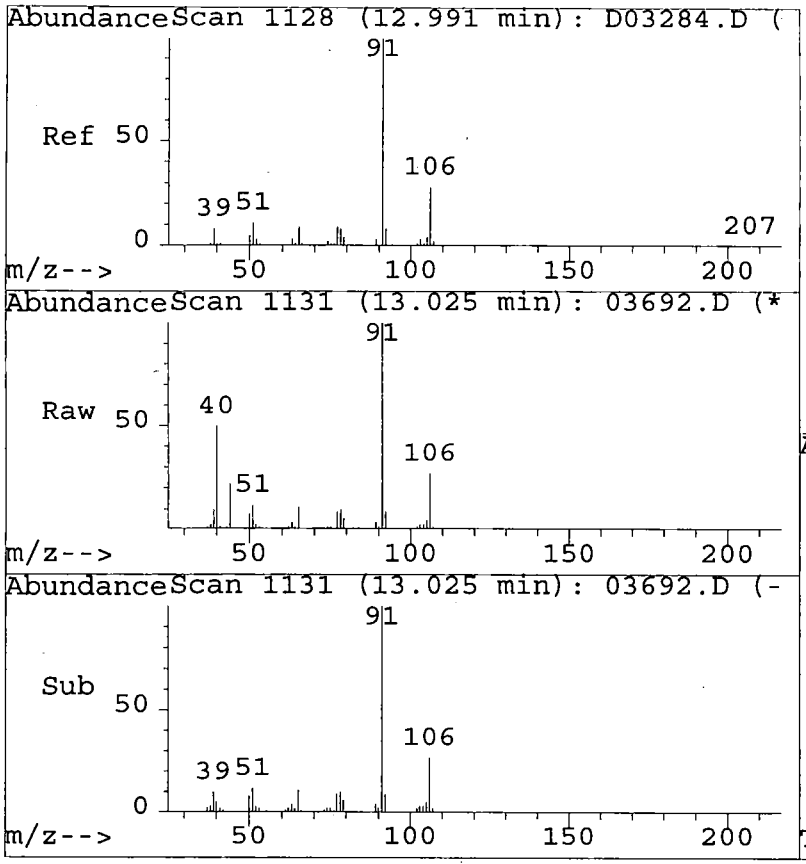


#59
Chlorobenzene
Concen: 165.78 ug/L
RT: 12.80 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03692.d
Acq: 6 May 98 8:18 pm

Tgt Ion:112 Resp: 67525

Ion	Ratio	Lower	Upper
112	100		
114	32.4	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

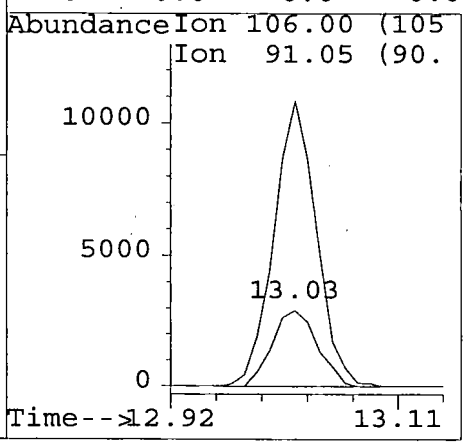


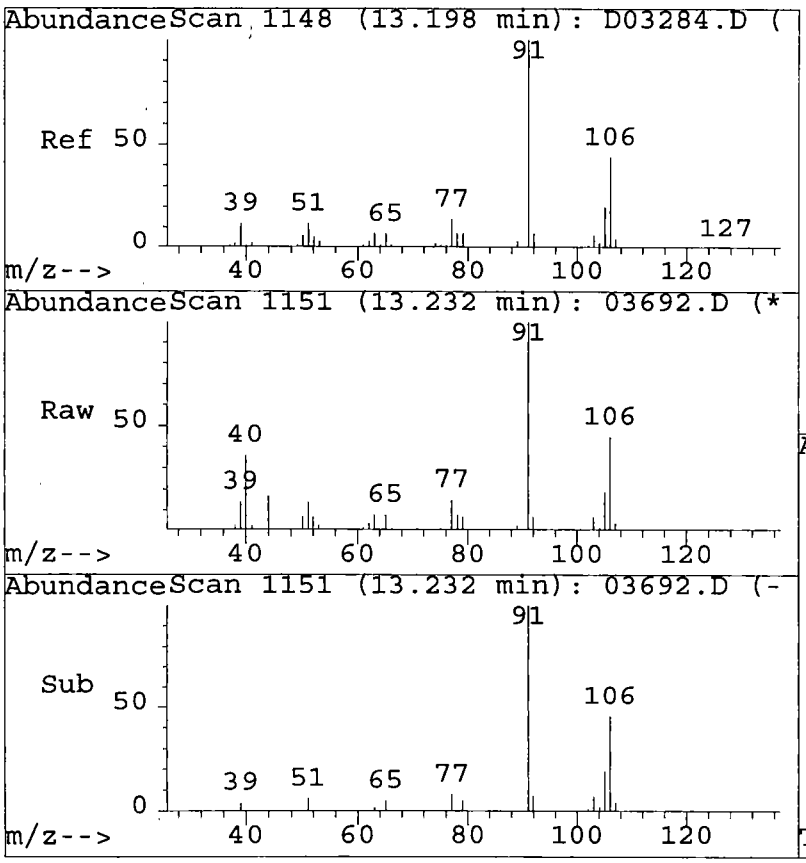


#61
Ethylbenzene
Concen: 34.77 ug/L
RT: 13.03 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03692.d
Acq: 6 May 98 8:18 pm

Tgt Ion:106 Resp: 7580

Ion	Ratio	Lower	Upper
106	100		
91	350.3	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

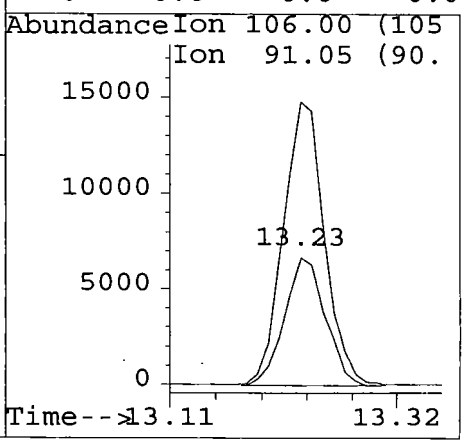


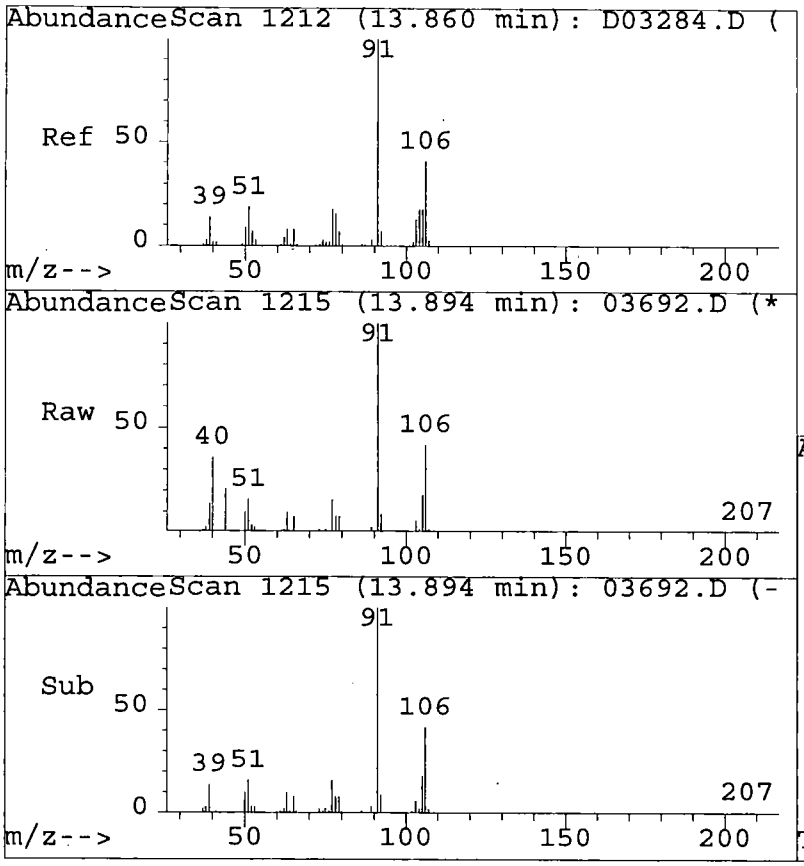


#62
Meta + Para Xylene
Concen: 60.13 ug/L
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03692.d
Acq: 6 May 98 8:18 pm

Tgt Ion:106 Resp: 17944

Ion	Ratio	Lower	Upper
106	100		
91	223.7	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

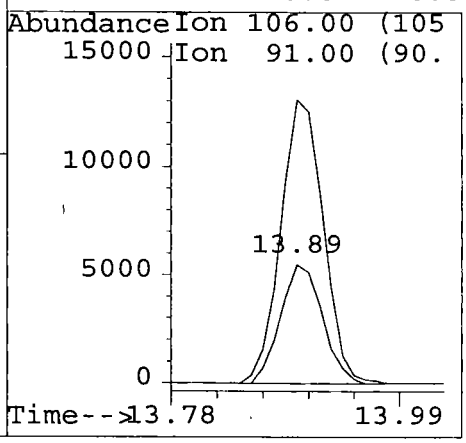




#63
Ortho Xylene
Concen: 52.51 ug/L
RT: 13.89 min Scan# 1215
Delta R.T. -0.00 min
Lab File: 03692.d
Acq: 6 May 98 8:18 pm

Tgt Ion:106 Resp: 14429

Ion	Ratio	Lower	Upper
106	100		
91	241.4	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03693.d
Acq On : 6 May 98 8:48 pm
Sample : TLCEDW1*18
Misc : DIL40
Quant Time: May 13 13:57 1998

Vial: 2
Operator:
Inst : VOA8
Multiplr: 40.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	441335	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	911295	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.75	1105	815274	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	368204	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.28	576	377738	46.05 ug/L	92.10%
32) Dibromofluoromethane	6.78	528	255266	44.15 ug/L	88.30%
47) Toluene-d8	10.37	875	1078826	45.12 ug/L	90.24%
51) Bromofluorobenzene	14.79	1302	402442	44.51 ug/L	89.02%
Target Compounds					Qvalue
48) Toluene	10.49	886	1711496	*2146.97 ug/L	100
59) Chlorobenzene	12.79	1109	84340	191.05 ug/L	98
61) Ethylbenzene	13.02	1131	7691	32.56 ug/L	99
62) Meta + Para Xylene	13.24	1152	15563	48.12 ug/L	90
63) Ortho Xylene	13.90	1216	14171	47.59 ug/L	96

* reported w 5x dil 03678

05/13/98

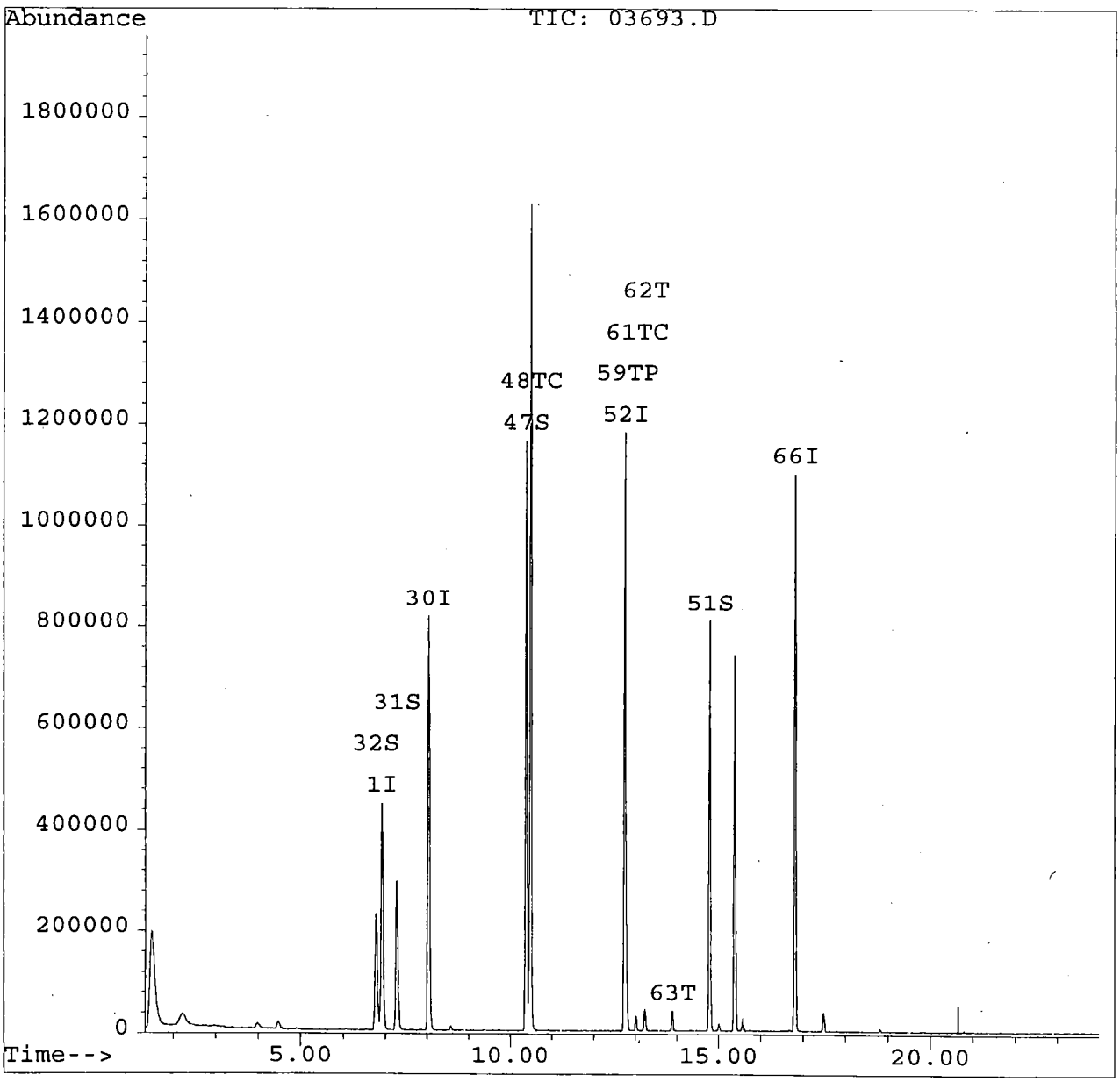
(#) = qualifier out of range (m) = manual integration

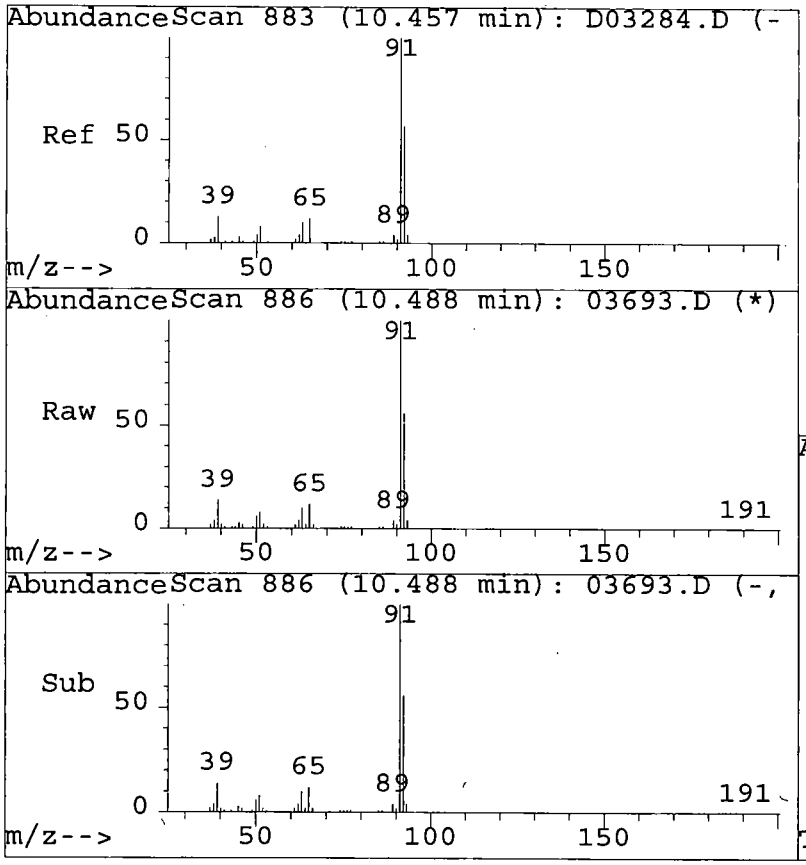
Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03693.d
Acq On : 6 May 98 8:48 pm
Sample : TLCEDW1*18
Misc : DIL40
Quant Time: May 13 13:57 1998

Vial: 2
Operator:
Inst : VOA8
Multiplr: 40.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

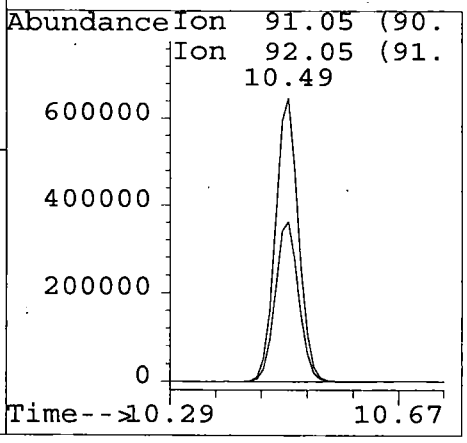


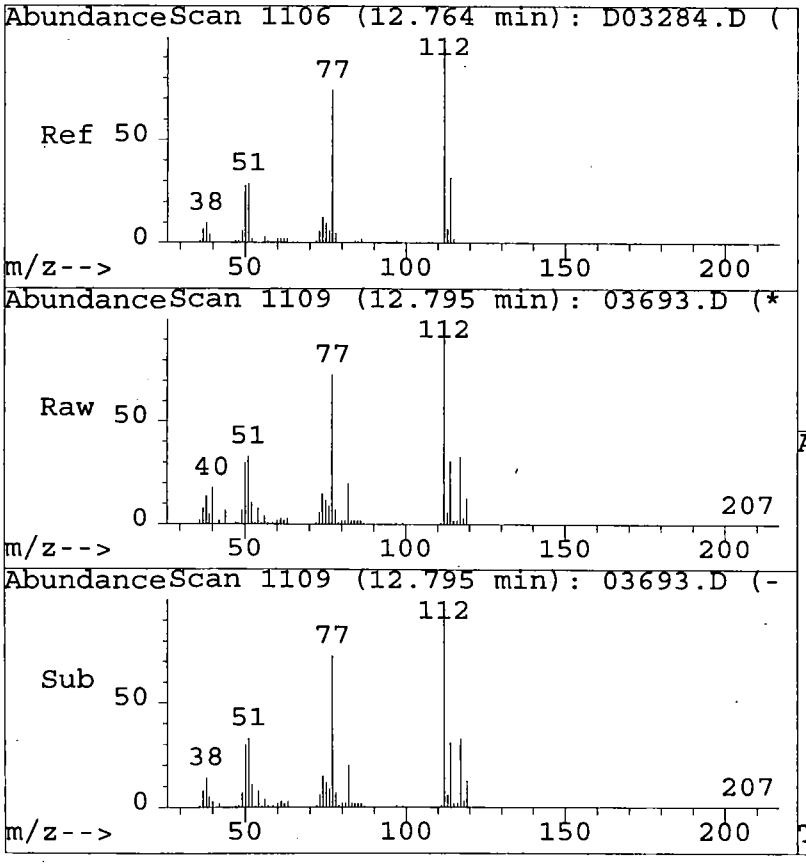


#48
Toluene
Concen: 2146.97 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03693.d
Acq: 6 May 98 8:48 pm

Tgt Ion:91.05 Resp: 1711496

Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

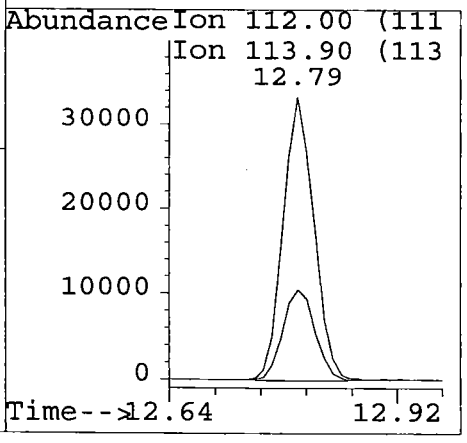


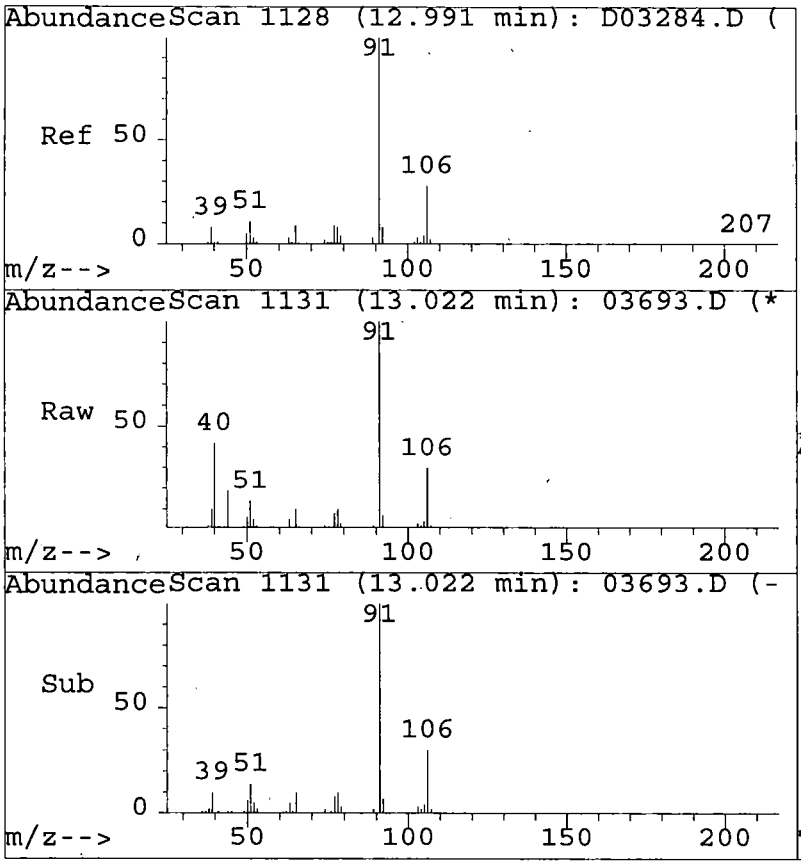


#59
Chlorobenzene
Concen: 191.05 ug/L
RT: 12.79 min Scan# 1109
Delta R.T. 0.01 min
Lab File: 03693.d
Acq: 6 May 98 8:48 pm

Tgt Ion:112 Resp: 84340

Ion	Ratio	Lower	Upper
112	100		
114	33.0	0.0	131.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

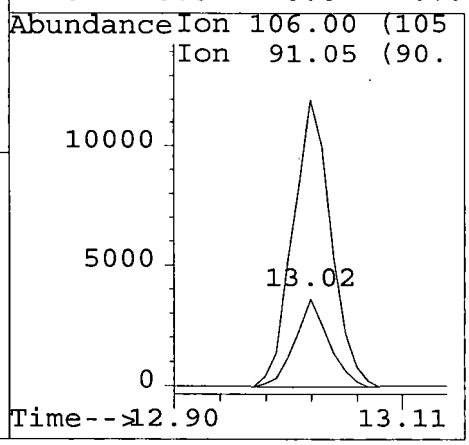


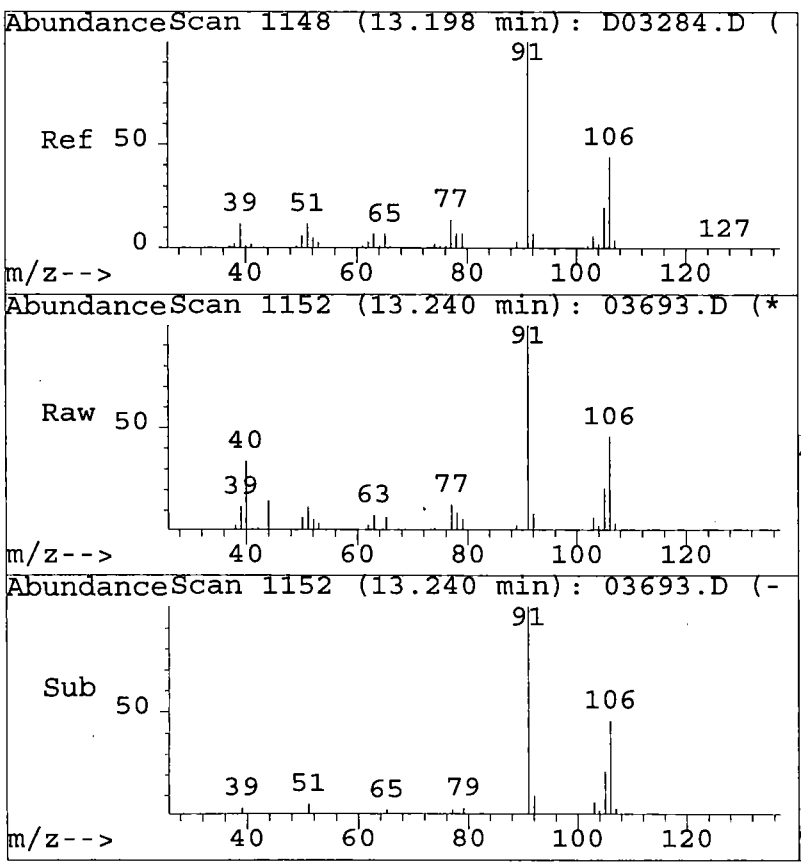


#61
Ethylbenzene
Concen: 32.56 ug/L
RT: 13.02 min Scan# 1131
Delta R.T. 0.01 min
Lab File: 03693.d
Acq: 6 May 98 8:48 pm

Tgt Ion:106 Resp: 7691

Ion	Ratio	Lower	Upper
106	100		
91	369.3	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

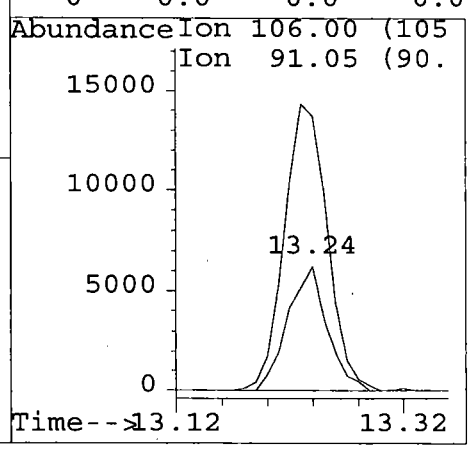


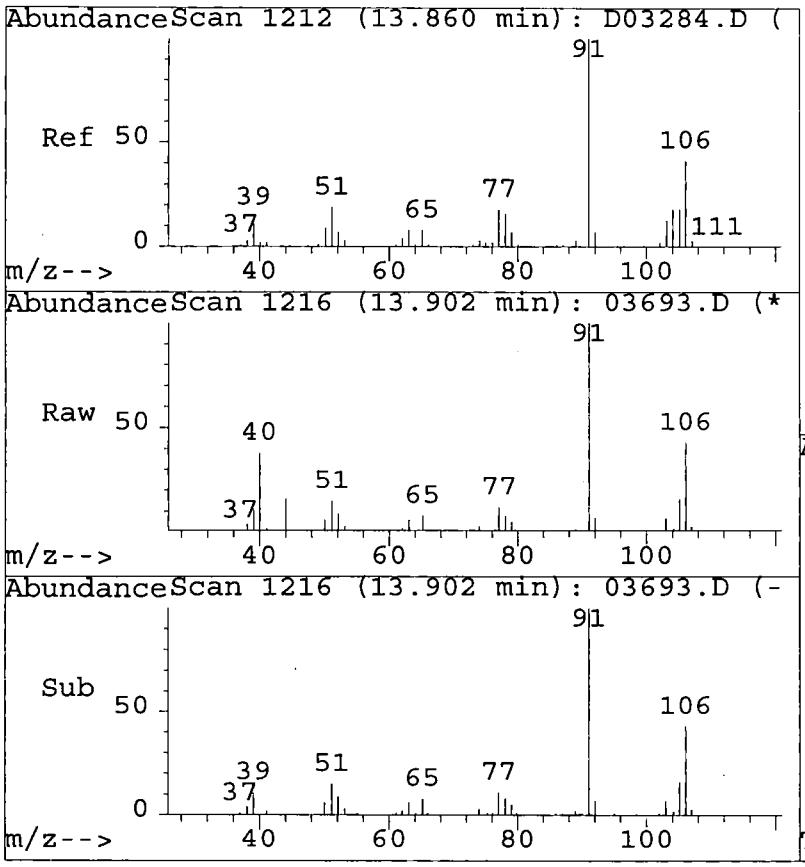


#62
Meta + Para Xylene
Concen: 48.12 ug/L
RT: 13.24 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 03693.d
Acq: 6 May 98 8:48 pm

Tgt Ion:106 Resp: 15563

Ion	Ratio	Lower	Upper
106	100		
91	249.6	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

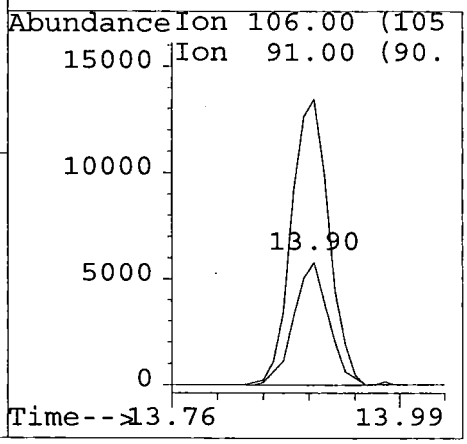




#63
Ortho Xylene
Concen: 47.59 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03693.d
Acq: 6 May 98 8:48 pm

Tgt Ion:106 Resp: 14171

Ion	Ratio	Lower	Upper
106	100		
91	249.0	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03694.d
Acq On : 6 May 98 9:18 pm
Sample : TLCEDW1*19
Misc : DIL2000
Quant Time: May 13 13:58 1998

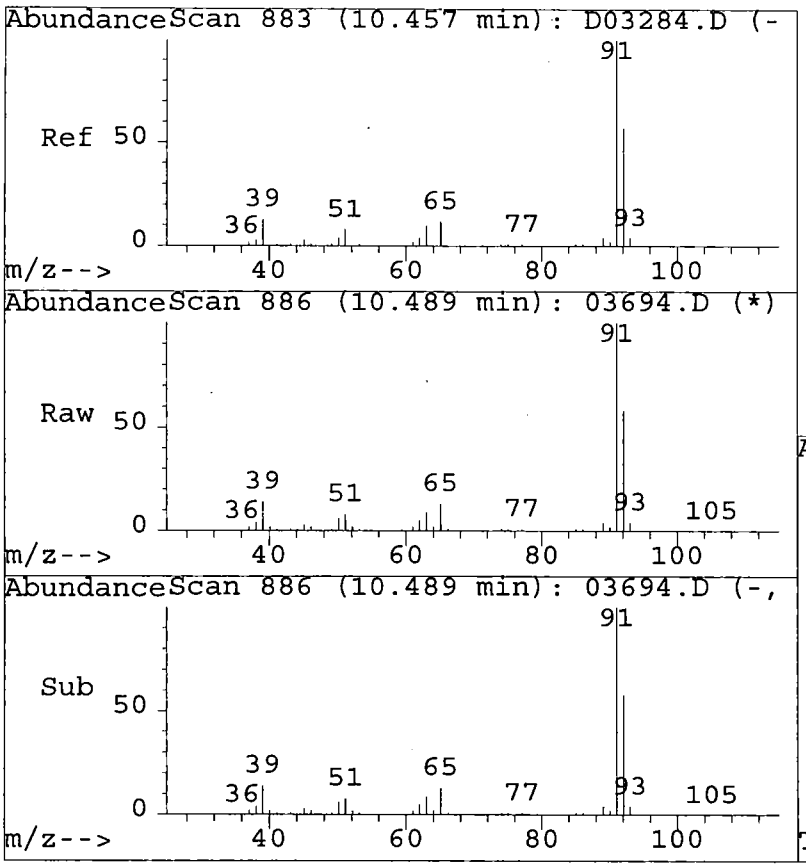
Vial: 3
Operator:
Inst : VOA8
Multiplr: 2000.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	403245	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.04	649	828731	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.76	1105	750763	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	349943	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.28	576	390072	52.29 ug/L	104.59%
32) Dibromofluoromethane	6.79	528	252561	48.03 ug/L	96.07%
47) Toluene-d8	10.38	875	1097004	50.45 ug/L	100.91%
51) Bromofluorobenzene	14.79	1302	395456	48.10 ug/L	96.19%
Target Compounds					Qvalue
48) Toluene	10.49	886	3285784	*226623.36 ug/L	100
61) Ethylbenzene	13.03	1132	4325	994.02 ug/L	95
62) Meta + Para Xylene	13.23	1151	21117	3545.12 ug/L	98
63) Ortho Xylene	13.90	1216	5354	976.21 ug/L	92

*reported w/100x dil run
03680.d
[illegible]
05/13/98

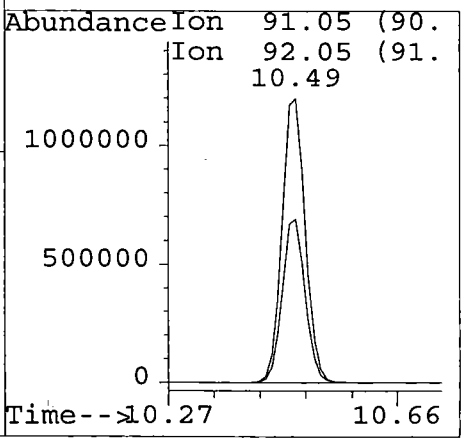
(#) = qualifier out of range (m) = manual integration
03694.d W8260ALL.M Wed May 13 14:06:52 1998 RP1 Page 1

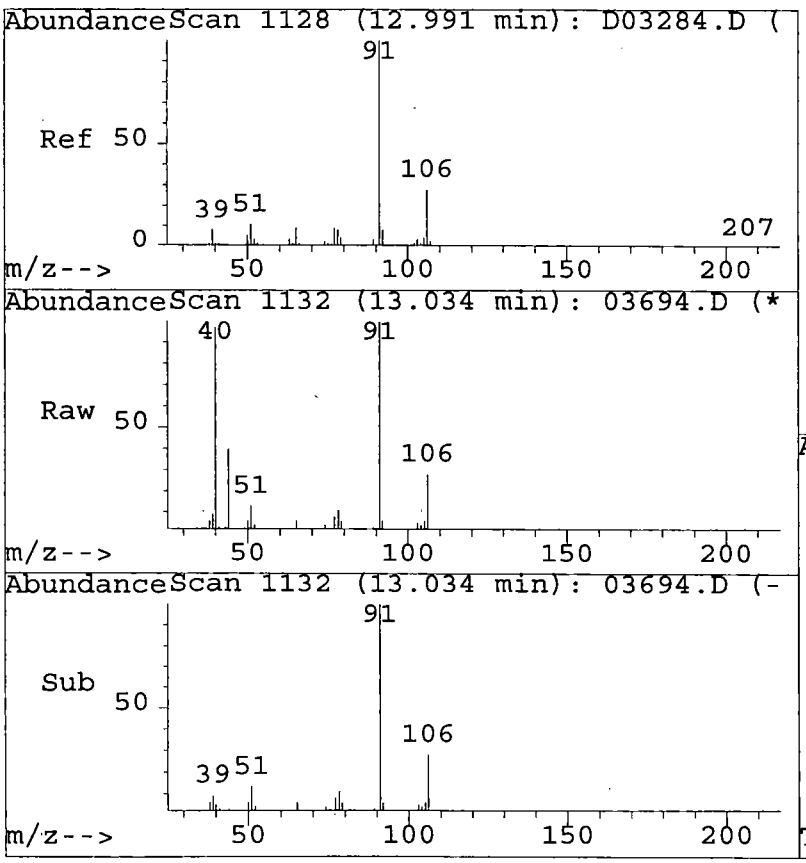


#48
Toluene
Concen: 226623.36 ug/L
RT: 10.49 min Scan# 886
Delta R.T. 0.02 min
Lab File: 03694.d
Acq: 6 May 98 9:18 pm

Tgt Ion:91.05 Resp: 3285784

Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.8	68.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

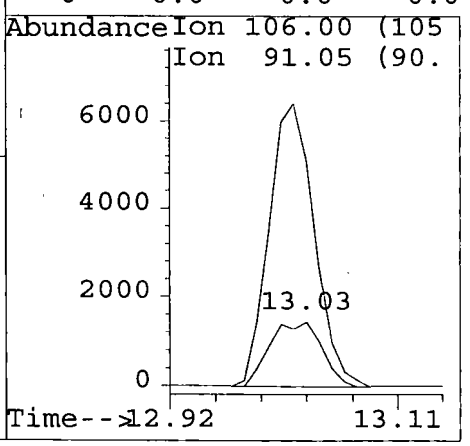


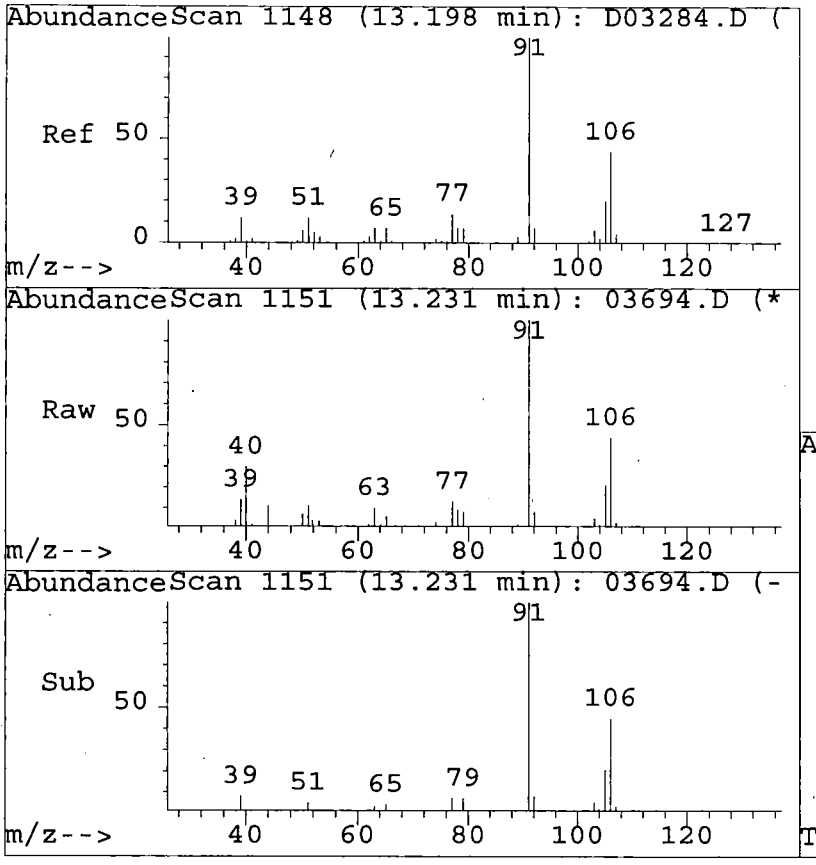


#61
Ethylbenzene
Concen: 994.02 ug/L
RT: 13.03 min Scan# 1132
Delta R.T. 0.02 min
Lab File: 03694.d
Acq: 6 May 98 9:18 pm

Tgt Ion:106 Resp: 4325

Ion	Ratio	Lower	Upper
106	100		
91	383.1	271.5	471.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

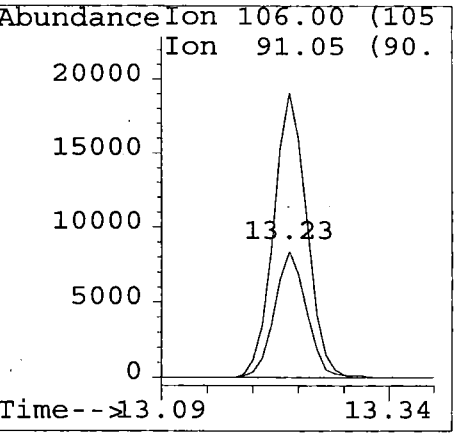


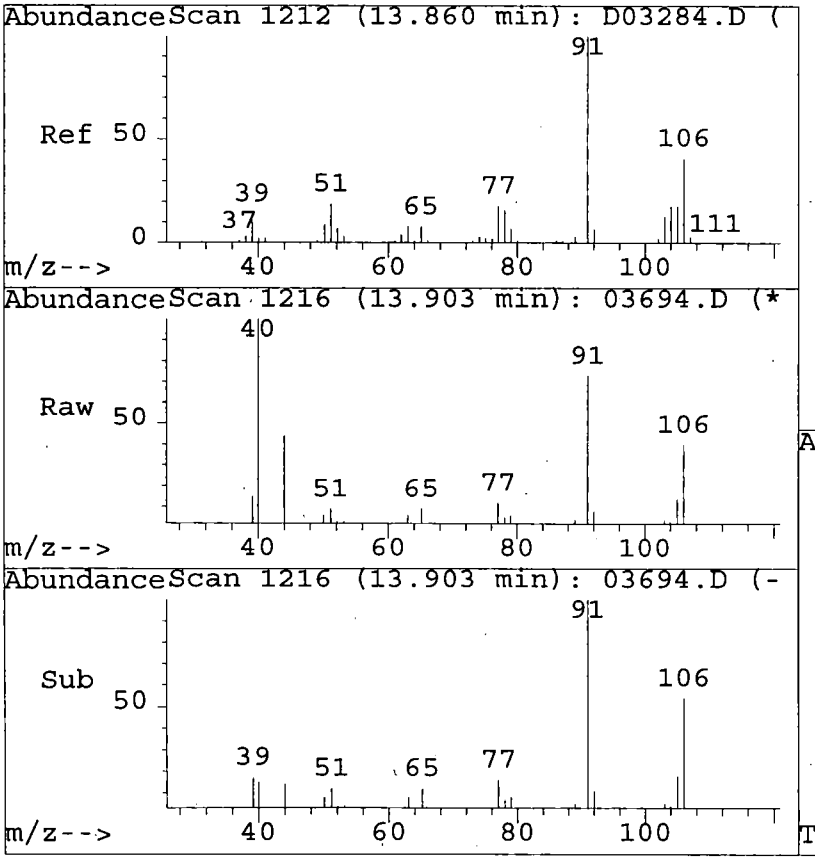


#62
Meta + Para Xylene
Concen: 3545.12 ug/L
RT: 13.23 min Scan# 1151
Delta R.T. 0.01 min
Lab File: 03694.d
Acq: 6 May 98 9:18 pm

Tgt Ion:106 Resp: 21117

Ion	Ratio	Lower	Upper
106	100		
91	235.9	132.8	332.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

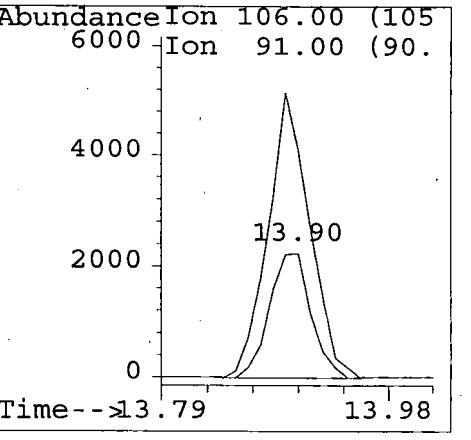




#63
Ortho Xylene
Concen: 976.21 ug/L
RT: 13.90 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 03694.d
Acq: 6 May 98 9:18 pm

Tgt Ion:106 Resp: 5354

Ion	Ratio	Lower	Upper
106	100		
91	228.9	194.3	291.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03695.d
Acq On : 6 May 98 9:48 pm
Sample : MB*STORAGE*1
Misc :
Quant Time: May 13 13:59 1998

Vial: 4
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	442544	50.00	ug/L	0.01
30) 1,4-Difluorobenzene	8.04	649	881424	50.00	ug/L	0.01
52) Chlorobenzene-d5	12.75	1104	758417	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	342849	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	391940	49.40	ug/L	98.80%
32) Dibromofluoromethane	6.79	528	268130	47.95	ug/L	95.89%
47) Toluene-d8	10.38	875	1155608	49.97	ug/L	99.94%
51) Bromofluorobenzene	14.79	1301	409836	46.86	ug/L	93.73%
Target Compounds						**Qvalue**
16) Methylene Chloride	3.99	258	12597	1.74	ug/L	100

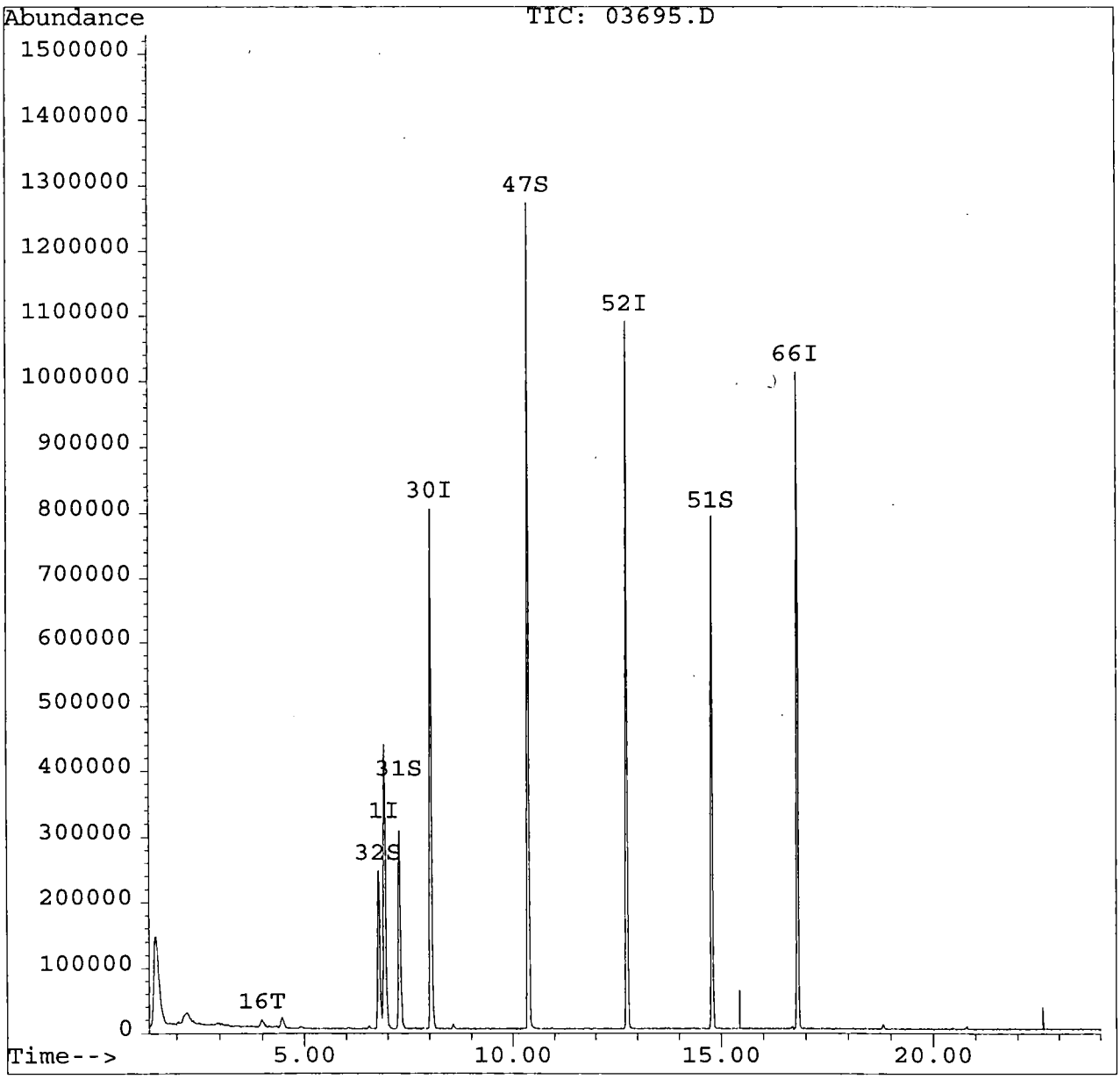
(#) = qualifier out of range (m) = manual integration

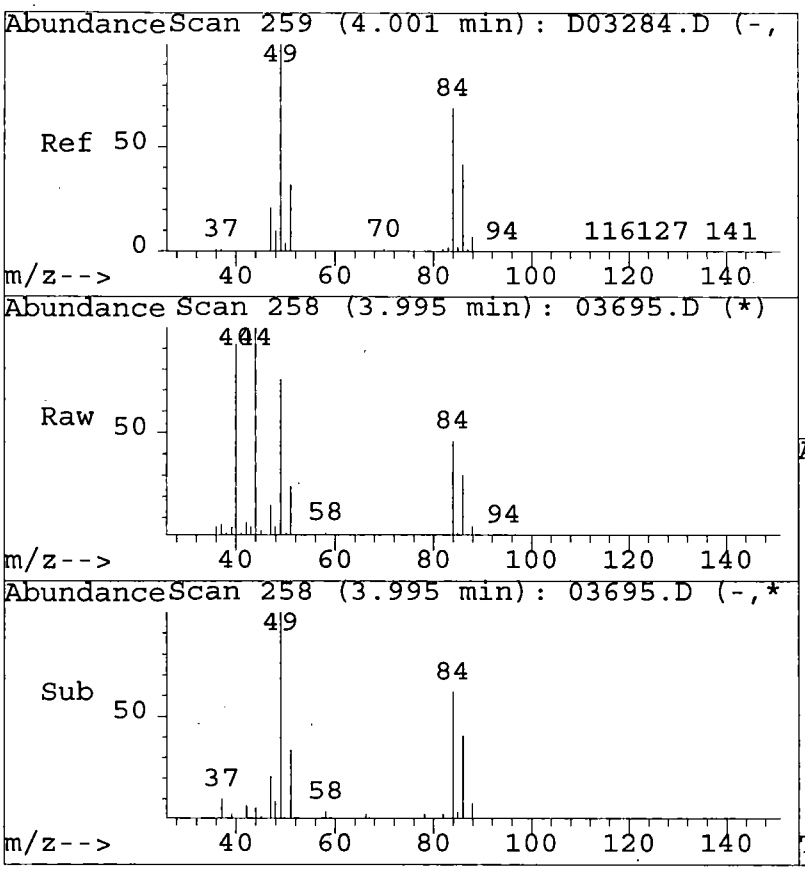
Quantitation Report

Data File : c:\hpchem\1\data\05_06_98\03695.d
Acq On : 6 May 98 9:48 pm
Sample : MB*STORAGE*1
Misc :
Quant Time: May 13 13:59 1998

Vial: 4
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\05_06_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

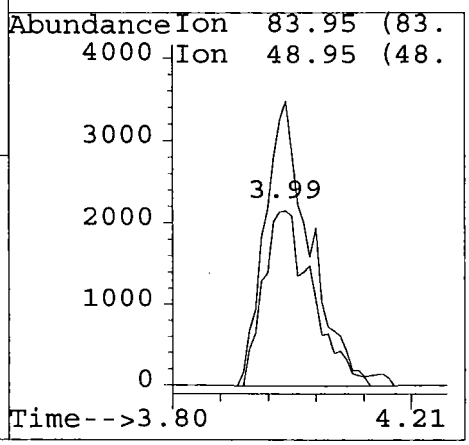




#16
Methylene Chloride
Concen: 1.74 ug/L
RT: 3.99 min Scan# 258
Delta R.T. 0.02 min
Lab File: 03695.d
Acq: 6 May 98 9:48 pm

Tgt Ion:83.95 Resp: 12597

Ion	Ratio	Lower	Upper
84	100		
49	147.9	47.6	247.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Other Relevant Documentation

QST BATCH : G90595

QC TYPE : FDER/SW
ANALYST : GREGORY LAMB
EXTRACTOR :
DATA ENTRY : GREGORY LAMB

REPORT DATE/TIME : 05/19/98 13:49
ANALYSIS DATE/TIME : 05/06/98
EXTRACT DATE :

STATUS :

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
DOWNLOAD FILE=05_04_98.UPL

FIELD GRP	QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
TLCEDW1	FDER	1298524 0201	TECH LAW-CAMP EDWARDS	SUZANNE WOODWARD

Sample Specific Raw Data

SAMPLE CODE	EXTRACT DATE	ANALYSIS DATE	ANALYSIS TIME	SAMPLE VOL or WT (NA)	EXTRACT VOL or WT (NA)	INJECTION VOLUME (NA)	%MOISTURE
MB*NONE*1		05/04/98	12:26PM				
SP1*NONE*1		05/04/98	01:03PM				
DA*TLCEDW1*5		05/04/98	02:07PM				
SPM1*TLCEDW1*5		05/04/98	02:37PM				
SPM2*TLCEDW1*5		05/04/98	03:08PM				
DA*TLCEDW1*1		05/04/98	03:38PM				
DA*TLCEDW1*2		05/04/98	04:09PM				
DA*TLCEDW1*3		05/04/98	04:39PM				
DA*TLCEDW1*4		05/04/98	05:10PM				
DA*TLCEDW1*6		05/04/98	05:40PM				
DA*TLCEDW1*7		05/04/98	06:11PM				
DA*TLCEDW1*8		05/04/98	06:41PM				
DA*TLCEDW1*9		05/04/98	07:11PM				
DA*TLCEDW1*10		05/04/98	07:42PM				
DA*TLCEDW1*11		05/04/98	08:12PM				
MB*NONE*2		05/05/98	02:53PM				
DA*TLCEDW1*17		05/05/98	09:26PM				
DA*TLCEDW1*18		05/05/98	09:57PM				
DA*TLCEDW1*19		05/05/98	10:57PM				
MB*STORAGE*2		05/05/98	11:27PM				
SP1*NONE*2		05/05/98	11:57PM				
MB*NONE*3		05/06/98	04:12PM				
SP1*NONE*3		05/06/98	04:42PM				
DA*TLCEDW1*14		05/06/98	05:47PM				
DA*TLCEDW1*15		05/06/98	06:17PM				
DA*TLCEDW1*16		05/06/98	06:47PM				
DA*TLCEDW1*20		05/06/98	07:17PM				

Parameter Specific Raw Data

SAMPLE CODE	STORET NAME	STAT	RESP (UG/L)	UNC CONC (NA)	DIL	TYPE	CRV	RET TIME	SPIKE SOL CONC (NA)	SPIKE SAMP VOL (NA)	SPIKE VOLUME (NA)	DIL CODE	CALC'D TARGET (UG/L)
MB*NONE*1	CH3CL	OK	0	0.0	1								
	C2H3CL	OK	0	0.0	1								
	CH3BR	OK	0	0.0	1								
	C2H5CL	OK	0	0.0	1								
	11DCE	OK	0	0.0	1								
	ACET	OK	5.44	5.4	1			3.37					
	CS2	OK	0	0.0	1								
	CH2CL2	OK	1.64	1.6	1			3.97					
	T12DCE	OK	0	0.0	1								
	11DCLE	OK	0	0.0	1								
	C2AVE	OK	0	0.0	1								
	C12DCE	OK	0	0.0	1								
	MEK	OK	0	0.0	1								
	CHCL3	OK	0	0.0	1								
	111TCE	OK	0	0.0	1								
	12DCD4	OK	50.37	50	1.0			7.27					50
	CHB2F	OK	46.97	47	1.0			6.78					50
	12DCLE	OK	0	0.0	1								
	CCL4	OK	0	0.0	1								
	C6H6	OK	0	0.0	1								
	TRCLE	OK	0	0.0	1								
	12DCLP	OK	0	0.0	1								
	BRDCLM	OK	0	0.0	1								
	C13DCP	OK	0	0.0	1								
	MIBK	OK	0	0.0	1								
	MEC6H5	OK	49.43	49	1.0			10.38					50
	MEC6H5	OK	0	0.0	1								
	T13DCP	OK	0	0.0	1								
	112TCE	OK	0	0.0	1								
	BFB	OK	46.00	46	1.0			14.80					50
	TCLEE	OK	0	0.0	1								
	MNBK	OK	0	0.0	1								
	DBRCLM	OK	0	0.0	1								
	CLC6H5	OK	0	0.0	1								
	ETC6H5	OK	0	0.0	1								
	XYLEN	OK	0	0.0	1								
	STYR	OK	0	0.0	1								
	CHBR3	OK	0	0.0	1								
	TCLEA	OK	0	0.0	1								
SP1*NONE*1	CH3CL	OK	22.34	22	1			1.81					20
	C2H3CL	OK	18.12	18	1			1.93					20
	CH3BR	OK	14.03	14	1			2.24					20
	C2H5CL	OK	20.25	20	1			2.35					20
	11DCE	OK	19.30	19	1			3.28					20
	ACET	OK	17.46	17	1			3.39					20
	CS2	OK	19.76	20	1			3.54					20
	CH2CL2	OK	19.75	20	1			3.98					20
	T12DCE	OK	20.02	20	1			4.43					20
	11DCLE	OK	18.29	18	1			5.07					20
	C2AVE	OK	18.80	19	1			5.22					20
	C12DCE	OK	16.07	16	1			6.00					20
	MEK	OK	14.99	15	1			6.07					20
	CHCL3	OK	17.50	18	1			6.54					20
	111TCE	OK	18.91	19	1			6.79					20
	12DCD4	OK	45.59	46	1.0			7.28					50
	CHB2F	OK	46.61	47	1.0			6.79					50
	12DCLE	OK	17.61	18	1			7.40					20
	CCL4	OK	17.73	18	1			7.06					20
	C6H6	OK	18.12	18	1			7.38					20
	TRCLE	OK	16.63	17	1			8.43					20
	12DCLP	OK	17.06	17	1			8.75					20
	BRDCLM	OK	19.34	19	1			9.23					20
	C13DCP	OK	17.98	18	1			9.95					20
	MIBK	OK	15.82	16	1			10.24					20
	MEC6H5	OK	49.32	49	1.0			10.39					50
	MEC6H5	OK	17.84	18	1			10.49					20
	T13DCP	OK	17.73	18	1			10.87					20
	112TCE	OK	16.22	16	1			11.15					20
	BFB	OK	48.20	48	1.0			14.79					50
	TCLEE	OK	12.71	13	1			11.39					20
	MNBK	OK	15.82	16	1			11.63					20
	DBRCLM	OK	16.21	16	1			11.79					20
	CLC6H5	OK	18.06	18	1			12.80					20
	ETC6H5	OK	17.90	18	1			13.02					20

	XYLEN	OK	17.29	17	1	13.24	20
	STYR	OK	16.26	16	1	13.92	20
	CHBR3	OK	18.72	19	1	14.19	20
	TCLEA	OK	18.05	18	1	15.08	20
DA*TLCEDW1*5	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	1.78	1.8	1	1.92	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0.810	0.81	1	5.08	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	1.99	2.0	1	6.00	
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	51.84	52	1.0	7.27	50
	CHB2F	OK	48.84	49	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	2.90	2.9	1	7.38	
	TRCLE	OK	1.52	1.5	1	8.42	
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	51.88	52	1.0	10.38	50
	MEC6H5	OK	0.920	0.92	1	10.48	
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	52.46	52	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	81.102	410	5	12.81	
	ETC6H5	OK	0.860	0.86	1	13.03	
	XYLEN	OK	0.96	0.96	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
SPM1*TLCEDW1*5	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	1.72	1.7	1	1.94	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	46.44	46	1	3.29	50
	ACET	OK	0	0.0	1		
	CS2	OK	1.12	1.1	1	3.54	
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0.700	0.70	1	5.07	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	1.79	1.8	1	6.01	
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	48.60	49	1.0	7.28	50
	CHB2F	OK	45.18	45	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	51.69	52	1	7.37	50
	TRCLE	OK	44.17	44	1	8.42	50
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	45.26	45	1.0	10.38	50
	MEC6H5	OK	48.82	49	1	10.49	50
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	44.87	45	1.0	14.80	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	449.95	450	1	12.81	50
	ETC6H5	OK	0.860	0.86	1	13.03	
	XYLEN	OK	.93	0.93	1		
	STYR	OK	0	0.0	1		

	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
SPM2*TLCEDW1*5	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	1.60	1.6	1	1.92	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	46.50	47	1	3.29	50
	ACET	OK	0	0.0	1		
	CS2	OK	1.24	1.2	1	3.54	
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0.750	0.75	1	5.06	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	1.81	1.8	1	6.00	
	MEK	OK	0	0.0	1		
	CHCL3	OK	0.730	0.73	1	6.54	
	111TCE	OK	0	0.0	1		
	12DCD4	OK	48.70	49	1.0	7.27	50
	CHB2F	OK	46.58	47	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	51.24	51	1	7.38	50
	TRCLE	OK	44.30	44	1	8.43	50
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	48.98	49	1.0	10.38	50
	MEC6H5	OK	48.59	49	1	10.49	50
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	48.19	48	1.0	14.80	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	447.16	450	1	12.81	50
	ETC6H5	OK	0.840	0.84	1	13.04	
	XYLEN	OK	.95	0.95	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*1	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	64.13	64	1	1.93	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	1.51	1.5	1	3.29	
	ACET	OK	15.89	16	1	3.37	
	CS2	OK	4.25	4.3	1	3.56	
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	16.51	17	1	4.43	
	11DCLE	OK	0.960	0.96	1	5.09	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	60.376	2400	40	6.01	
	MEK	OK	0	0.0	1		
	CHCL3	OK	0.640	0.64	1	6.55	
	111TCE	OK	0	0.0	1		
	12DCD4	OK	51.23	51	1.0	7.28	50
	CHB2F	OK	48.59	49	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	12.60	13	1	7.37	
	TRCLE	OK	12.28	12	1	8.43	
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	49.78	50	1.0	10.38	50
	MEC6H5	OK	86.24	86	1	10.49	
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	54.25	54	1.0	14.79	50
	TCLEE	OK	8.33	8.3	1	11.39	
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	48.941	2000	40	12.82	
	ETC6H5	OK	9.32	9.3	1	13.03	
	XYLEN	OK	22.40	22	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		

DA*TLCEDW1*2	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	52.10	52	1.0	7.28	50
	CHB2F	OK	49.39	49	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	51.75	52	1.0	10.38	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	51.79	52	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	1.86	1.9	1	12.80	
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*3	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	5.15	5.2	1	1.91	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	2.55	2.6	1	3.55	
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0.980	0.98	1	4.43	
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	11.18	11	1	6.01	
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	52.76	53	1.0	7.28	50
	CHB2F	OK	49.52	50	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	5.05	5.1	1	7.38	
	TRCLE	OK	1.97	2.0	1	8.42	
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	51.27	51	1.0	10.39	50
	MEC6H5	OK	2.71	2.7	1	10.49	
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	52.57	53	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	146	730	5	12.82	
	ETC6H5	OK	5.82	5.8	1	13.03	
	XYLEN	OK	11.06	11	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*4	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	1.83	1.8	1	1.93	

	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0.600	0.60	1	5.09	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	52.86	53	1.0	7.28	50
	CHB2F	OK	50.55	51	1.0	6.80	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0.640	0.64	1	7.38	
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	53.32	53	1.0	10.39	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	51.67	52	1.0	14.80	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	78.58	79	1	12.81	
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*6	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	2.49	2.5	1	6.55	
	111TCE	OK	0	0.0	1		
	12DCD4	OK	51.04	51	1.0	7.28	50
	CHB2F	OK	48.30	48	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	49.20	49	1.0	10.39	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	47.14	47	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*7	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		

	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0.660	0.66	1	5.08	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	52.16	52	1.0	7.27	50
	CHB2F	OK	48.68	49	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	7.86	7.9	1	7.38	
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.36	50	1.0	10.39	50
	MEC6H5	OK	119.87	120	1	10.49	
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	50.28	50	1.0	14.80	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	138.136	690	5	12.82	
	ETC6H5	OK	3.63	3.6	1	13.03	
	XYLEN	OK	9.38	9.4	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*8	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	2.49	2.5	1	1.93	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	50.68	51	1.0	7.29	50
	CHB2F	OK	48.42	48	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.85	51	1.0	10.39	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	48.91	49	1.0	14.80	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	17.36	17	1	12.81	
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*9	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	1.34	1.3	1	1.92	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		

	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	1.14	1.1	1	6.01	
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	51.38	51	1.0	7.28	50
	CHB2F	OK	48.24	48	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	9.02	9.0	1	7.38	
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.72	51	1.0	10.39	50
	MEC6H5	OK	0.570	0.57	1	10.49	
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	50.32	50	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	157	790	5	12.82	
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*10	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	3.43	3.4	1	1.93	
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	1.74	1.7	1	5.09	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	3.39	3.4	1	6.01	
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	55.74	56	1.0	7.28	50
	CHB2F	OK	52.16	52	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	28.18	28	1	7.38	
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	54.41	54	1.0	10.39	50
	MEC6H5	OK	12.409	250	20	10.49	
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	56.88	57	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	63.371	1300	20	12.82	
	ETC6H5	OK	2.25	2.3	1	13.04	
	XYLEN	OK	6.38	6.4	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*11	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	35.17	35	1	3.38	
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		

	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	51.09	51	1.0	7.29	50
	CHB2F	OK	49.63	50	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	3.33	3.3	1	7.38	
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.56	51	1.0	10.38	50
	MEC6H5	OK	1.94	1.9	1	10.50	
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	55.01	55	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	190.6	3800	20	12.82	
	ETC6H5	OK	4.09	4.1	1	13.03	
	XYLEN	OK	2.59	2.6	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
MB*NONE*2	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	4.86	4.9	1	3.37	
	CS2	OK	0	0.0	1		
	CH2CL2	OK	1.53	1.5	1	3.98	
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	46.25	46	1.0	7.27	50
	CHB2F	OK	44.39	44	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	47.81	48	1.0	10.38	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	45.50	46	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*17	CH3CL	OK	0	0.0	5.0		
	C2H3CL	OK	0	0.0	5.0		
	CH3BR	OK	0	0.0	5.0		
	C2H5CL	OK	0	0.0	5.0		
	11DCE	OK	0	0.0	5.0		
	ACET	OK	0	0.0	5.0		
	CS2	OK	0	0.0	5.0		
	CH2CL2	OK	0	0.0	5.0		
	T12DCE	OK	0	0.0	5.0		
	11DCLE	OK	0.342	1.7	5.0	5.09	

	C2AVE	OK	0	0.0	5.0		
	C12DCE	OK	4.92	25	5.0	6.01	
	MEK	OK	0	0.0	5.0		
	CHCL3	OK	0	0.0	5.0		
	111TCE	OK	0.294	1.5	5.0	6.80	
	12DCD4	OK	48.10	48	1.0	7.28	50
	CHB2F	OK	44.82	45	1.0	6.79	50
	12DCLE	OK	0	0.0	5.0		
	CCL4	OK	0	0.0	5.0		
	C6H6	OK	0.348	1.7	5.0	7.38	
	TRCLE	OK	0	0.0	5.0		
	12DCLP	OK	0	0.0	5.0		
	BRDCLM	OK	0	0.0	5.0		
	C13DCP	OK	0	0.0	5.0		
	MIBK	OK	0	0.0	5.0		
	MEC6H5	OK	47.82	48	1.0	10.39	50
	MEC6H5	OK	37.07	1500	40	10.49	
	T13DCP	OK	0	0.0	5.0		
	112TCE	OK	0	0.0	5.0		
	BFB	OK	46.58	47	1.0	14.79	50
	TCLEE	OK	0	0.0	5.0		
	MNBK	OK	0	0.0	5.0		
	DBRCLM	OK	0	0.0	5.0		
	CLC6H5	OK	41.90	210	5.0	12.80	
	ETC6H5	OK	6.63	33	5.0	13.02	
	XYLEN	OK	23.514	120	5.0		
	STYR	OK	0	0.0	5.0		
	CHBR3	OK	0	0.0	5.0		
	TCLEA	OK	0	0.0	5.0		
DA*TLCEDW1*18	CH3CL	OK	0	0.0	5.0		
	C2H3CL	OK	0	0.0	5.0		
	CH3BR	OK	0	0.0	5.0		
	C2H5CL	OK	0	0.0	5.0		
	11DCE	OK	0	0.0	5.0		
	ACET	OK	0	0.0	5.0		
	CS2	OK	0	0.0	5.0		
	CH2CL2	OK	0	0.0	5.0		
	T12DCE	OK	0	0.0	5.0		
	11DCLE	OK	0	0.0	5.0		
	C2AVE	OK	0	0.0	5.0		
	C12DCE	OK	0	0.0	5.0		
	MEK	OK	0	0.0	5.0		
	CHCL3	OK	0.296	1.5	5.0	6.54	
	111TCE	OK	0	0.0	5.0		
	12DCD4	OK	49.15	49	1.0	7.26	50
	CHB2F	OK	44.27	44	1.0	6.78	50
	12DCLE	OK	0	0.0	5.0		
	CCL4	OK	0	0.0	5.0		
	C6H6	OK	0.274	1.4	5.0	7.37	
	TRCLE	OK	0	0.0	5.0		
	12DCLP	OK	0	0.0	5.0		
	BRDCLM	OK	0	0.0	5.0		
	C13DCP	OK	0	0.0	5.0		
	MIBK	OK	0	0.0	5.0		
	MEC6H5	OK	43.21	43	1.0	10.37	50
	MEC6H5	OK	53.674	2100	40	10.48	
	T13DCP	OK	0	0.0	5.0		
	112TCE	OK	0	0.0	5.0		
	BFB	OK	42.17	42	1.0	14.79	50
	TCLEE	OK	0.454	2.3	5.0	11.38	
	MNBK	OK	0	0.0	5.0		
	DBRCLM	OK	0	0.0	5.0		
	CLC6H5	OK	29.54	150	5.0	12.79	
	ETC6H5	OK	8.15	41	5.0	13.02	
	XYLEN	OK	29.54	150	5.0		
	STYR	OK	0	0.0	5.0		
	CHBR3	OK	0	0.0	5.0		
	TCLEA	OK	0	0.0	5.0		
DA*TLCEDW1*19	CH3CL	OK	0	0.0	100		
	C2H3CL	OK	0	0.0	100		
	CH3BR	OK	0	0.0	100		
	C2H5CL	OK	0	0.0	100		
	11DCE	OK	0	0.0	100		
	ACET	OK	0	0.0	100		
	CS2	OK	0	0.0	100		
	CH2CL2	OK	0	0.0	100		
	T12DCE	OK	0	0.0	100		
	11DCLE	OK	0	0.0	100		
	C2AVE	OK	0	0.0	100		
	C12DCE	OK	0	0.0	100		

	MEK	OK	0	0.0	100		
	CHCL3	OK	0	0.0	100		
	111TCE	OK	0	0.0	100		
	12DCD4	OK	52.11	52	1.0	7.27	50
	CHB2F	OK	46.90	47	1.0	6.79	50
	12DCLE	OK	0	0.0	100		
	CCL4	OK	0	0.0	100		
	C6H6	OK	0.1373	14	100	7.37	
	TRCLE	OK	0	0.0	100		
	12DCLP	OK	0	0.0	100		
	BRDCLM	OK	0	0.0	100		
	C13DCP	OK	0	0.0	100		
	MIBK	OK	0	0.0	100		
	MEC6H5	OK	44.89	45	1.0	10.39	50
	MEC6H5	OK	113.31	230000	2000	10.49	
	T13DCP	OK	0	0.0	100		
	112TCE	OK	0	0.0	100		
	BFB	OK	51.11	51	1.0	14.78	50
	TCLEE	OK	1.28	130	100	11.38	
	MNBK	OK	0	0.0	100		
	DBRCLM	OK	0	0.0	100		
	CLC6H5	OK	1.28	130	100	12.80	
	ETC6H5	OK	15.92	1600	100	13.03	
	XYLEN	OK	73.135	7300	100		
	STYR	OK	0	0.0	100		
	CHBR3	OK	0	0.0	100		
	TCLEA	OK	0	0.0	100		
MB*STORAGE*2	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	3.55	3.6	1	3.99	
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	56.65	57	1.0	7.28	50
	CHB2F	OK	52.86	53	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	48.89	49	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	52.35	52	1.0	14.78	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
SP1*NONE*2	CH3CL	OK	19.68	20	1	1.82	20
	C2H3CL	OK	16.93	17	1	1.94	20
	CH3BR	OK	17.54	18	1	2.26	20
	C2H5CL	OK	27.40	27	1	2.37	20
	11DCE	OK	17.58	18	1	3.30	20
	ACET	OK	24.23	24	1	3.38	20
	CS2	OK	18.14	18	1	3.55	20
	CH2CL2	OK	22.35	22	1	3.98	20
	T12DCE	OK	19.72	20	1	4.43	20
	11DCLE	OK	19.49	19	1	5.08	20
	C2AVE	OK	24.07	24	1	5.23	20
	C12DCE	OK	17.36	17	1	6.00	20
	MEK	OK	19.69	20	1	6.06	20
	CHCL3	OK	18.52	19	1	6.54	20

	111TCE	OK	18.17	18	1	6.79	20
	12DCD4	OK	49.62	50	1.0	7.27	50
	CHB2F	OK	46.61	47	1.0	6.79	50
	12DCLE	OK	20.28	20	1	7.40	20
	CCL4	OK	15.72	16	1	7.06	20
	C6H6	OK	18.63	19	1	7.37	20
	TRCLE	OK	16.09	16	1	8.42	20
	12DCLP	OK	18.09	18	1	8.74	20
	BRDCLM	OK	20.80	21	1	9.22	20
	C13DCP	OK	19.35	19	1	9.95	20
	MIBK	OK	20.09	20	1	10.23	20
	MEC6H5	OK	48.80	49	1.0	10.38	50
	MEC6H5	OK	17.78	18	1	10.48	20
	T13DCP	OK	19.57	20	1	10.87	20
	112TCE	OK	19.21	19	1	11.15	20
	BFB	OK	48.39	48	1.0	14.79	50
	TCLEE	OK	11.57	12	1	11.38	20
	MNBK	OK	19.46	19	1	11.62	20
	DBRCLM	OK	18.44	18	1	11.79	20
	CLC6H5	OK	17.77	18	1	12.80	20
	ETC6H5	OK	16.79	17	1	13.03	20
	XYLEN	OK	15.75	16	1	13.23	20
	STYR	OK	15.44	15	1	13.93	20
	CHBR3	OK	21.95	22	1	14.19	20
	TCLEA	OK	22.86	23	1	15.09	20
MB*NONE*3	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	3.93	3.9	1	3.37	
	CS2	OK	0	0.0	1		
	CH2CL2	OK	1.80	1.8	1	3.98	
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	46.12	46	1.0	7.27	50
	CHB2F	OK	43.43	43	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	46.44	46	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	44.10	44	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
SP1*NONE*3	CH3CL	OK	22.15	22	1	1.82	20
	C2H3CL	OK	19.91	20	1	1.94	20
	CH3BR	OK	18.68	19	1	2.26	20
	C2H5CL	OK	30.87	31	1	2.38	20
	11DCE	OK	19.30	19	1	3.30	20
	ACET	OK	24.20	24	1	3.37	20
	CS2	OK	20.63	21	1	3.56	20
	CH2CL2	OK	20.84	21	1	3.98	20
	T12DCE	OK	21.57	22	1	4.43	20
	11DCLE	OK	20.28	20	1	5.09	20
	C2AVE	OK	24.74	25	1	5.24	20
	C12DCE	OK	17.95	18	1	6.01	20
	MEK	OK	21.69	22	1	6.06	20
	CHCL3	OK	18.49	18	1	6.55	20
	111TCE	OK	20.56	21	1	6.80	20
	12DCD4	OK	50.83	51	1.0	7.28	50

	CHB2F	OK	48.04	48	1.0	6.79	50
	12DCLE	OK	19.44	19	1	7.40	20
	CCL4	OK	17.72	18	1	7.07	20
	C6H6	OK	19.14	19	1	7.38	20
	TRCLE	OK	17.09	17	1	8.43	20
	12DCLP	OK	18.11	18	1	8.75	20
	BRDCLM	OK	20.48	20	1	9.23	20
	C13DCP	OK	19.54	20	1	9.95	20
	MIBK	OK	19.66	20	1	10.23	20
	MEC6H5	OK	50.31	50	1.0	10.38	50
	MEC6H5	OK	18.54	19	1	10.49	20
	T13DCP	OK	19.44	19	1	10.87	20
	112TCE	OK	18.91	19	1	11.15	20
	BFB	OK	48.20	48	1.0	14.80	50
	TCLEE	OK	12.93	13	1	11.39	20
	MNBK	OK	20.22	20	1	11.62	20
	DBRCLM	OK	18.09	18	1	11.78	20
	CLC6H5	OK	18.30	18	1	12.80	20
	ETC6H5	OK	18.36	18	1	13.03	20
	XYLEN	OK	17.47	17	1	13.24	20
	STYR	OK	16.32	16	1	13.93	20
	CHBR3	OK	22.14	22	1	14.20	20
	TCLEA	OK	23.47	23	1	15.08	20
DA*TLCEDW1*14	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	49.17	49	1.0	7.27	50
	CHB2F	OK	46.67	47	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	48.94	49	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	46.98	47	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*15	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	48.10	48	1.0	7.28	50
	CHB2F	OK	46.47	46	1.0	6.78	50
	12DCLE	OK	0	0.0	1		

	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	48.89	49	1.0	10.39	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	47.39	47	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	1.86	1.9	1	12.80	
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*16	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	46.91	47	1.0	7.28	50
	CHB2F	OK	45.44	45	1.0	6.80	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	49.81	50	1.0	10.39	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	50.49	50	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	60.54	61	1	13.03	
	XYLEN	OK	117.58	120	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*20	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	49.03	49	1.0	7.28	50
	CHB2F	OK	47.34	47	1.0	6.79	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		

TRCLE	OK	0	0.0	1		
12DCLP	OK	0	0.0	1		
BRDCLM	OK	0	0.0	1		
C13DCP	OK	0	0.0	1		
MIBK	OK	0	0.0	1		
MEC6H5	OK	50.28	50	1.0	10.38	50
MEC6H5	OK	0	0.0	1		
T13DCP	OK	0	0.0	1		
112TCE	OK	0	0.0	1		
BFB	OK	48.05	48	1.0	14.79	50
TCLEE	OK	0	0.0	1		
MNBK	OK	0	0.0	1		
DBRCLM	OK	0	0.0	1		
CLC6H5	OK	0	0.0	1		
ETC6H5	OK	0	0.0	1		
XYLEN	OK	0	0.0	1		
STYR	OK	0	0.0	1		
CHBR3	OK	0	0.0	1		
TCLEA	OK	0	0.0	1		

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T. OVER

ALL HOLDING TIMES MET

STORET: 34418 METHOD: 8260-G CHLOROMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 4.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	22	22	20	110.0	
SP1*NONE*2	0.0	20	20	20	100.0	
SP1*NONE*3	0.0	22	22	20	110.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 39175 METHOD: 8260-G VINYL CHLORIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 4.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	17	17	20	85.0	
SP1*NONE*3	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	1.8	1.7	-.10		0.0	
SPM2*TLCEDW1*5	1.8	1.6	-.20		0.0	

STORET: 34413 METHOD: 8260-G BROMOMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	14	14	20	70.0	
SP1*NONE*2	0.0	18	18	20	90.0	
SP1*NONE*3	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34311 METHOD: 8260-G CHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 8.2 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0

STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	20	20	20	100.0		
SP1*NONE*2	0.0	27	27	20	135.0		Recovery exceeds criteria. (>130)
SP1*NONE*3	0.0	31	31	20	155.0		Recovery exceeds criteria. (>130)

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34501 METHOD: 8260-G 1,1-DICHLOROETHYLENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.2 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	19	19	20	95.0	
SP1*NONE*2	0.0	18	18	20	90.0	
SP1*NONE*3	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	46	46	50	92.0	
SPM2*TLCEDW1*5	0.0	47	47	50	94.0	2.2

STORET: 81552 METHOD: 8260-G ACETONE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 9.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	5.4
NONE*2	4.9
STORAGE*2	0.0
NONE*3	3.9

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	5.4	17	12	20	60.0	
SP1*NONE*2	4.9	24	19	20	95.0	
SP1*NONE*3	3.9	24	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 77041 METHOD: 8260-G CARBON DISULFIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 4.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	18	18	20	90.0	
SP1*NONE*3	0.0	21	21	20	105.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.

SPM1*TLCEDW1*5	0.0	1.1	1.1	0.0
SPM2*TLCEDW1*5	0.0	1.2	1.2	0.0

STORET: 34423 METHOD: 8260-G METHYLENE CHLORIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 6.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	1.6
NONE*2	1.5
STORAGE*2	3.6
NONE*3	1.8

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	1.6	20	18	20	90.0	
SP1*NONE*2	1.5	22	21	20	105.0	
SP1*NONE*3	1.8	21	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34546 METHOD: 8260-G TRANS-1,2-DICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	20	20	20	100.0	
SP1*NONE*3	0.0	22	22	20	110.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34496 METHOD: 8260-G 1,1-DICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	19	19	20	95.0	
SP1*NONE*3	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.81	0.70	-.11		0.0	
SPM2*TLCEDW1*5	0.81	0.75	-.06		0.0	

STORET: 77057 METHOD: 8260-G VINYL ACETATE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 10.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	19	19	20	95.0	
SP1*NONE*2	0.0	24	24	20	120.0	
SP1*NONE*3	0.0	25	25	20	125.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 77093 METHOD: 8260-G CIS-1,2-DICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	16	16	20	80.0	
SP1*NONE*2	0.0	17	17	20	85.0	
SP1*NONE*3	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	2.0	1.8	-.20		0.0	
SPM2*TLCEDW1*5	2.0	1.8	-.20		0.0	

STORET: 81595 METHOD: 8260-G METHYL ETHYL KETONE (MEK), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 10 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	15	15	20	75.0	
SP1*NONE*2	0.0	20	20	20	100.0	
SP1*NONE*3	0.0	22	22	20	110.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 32106 METHOD: 8260-G CHLOROFORM, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	19	19	20	95.0	
SP1*NONE*3	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.73	0.73		0.0	

STORET: 34506 METHOD: 8260-G 1,1,1-TRICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	19	19	20	95.0	
SP1*NONE*2	0.0	18	18	20	90.0	
SP1*NONE*3	0.0	21	21	20	105.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 94386 METHOD: SUR 1,2-DICHLOROETHANE-D(4)(8260), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 95376 METHOD: SUR DIBROMOFLUOROMETHANE (8260), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 34531 METHOD: 8260-G 1,2-DICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	20	20	20	100.0	
SP1*NONE*3	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 32102 METHOD: 8260-G CARBON TETRACHLORIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	16	16	20	80.0	
SP1*NONE*3	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.

SPM1*TLCEDW1*5	0.0	0.0	0.0	0.0
SPM2*TLCEDW1*5	0.0	0.0	0.0	0.0

STORET: 34030 METHOD: 8260-G BENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	19	19	20	95.0	
SP1*NONE*3	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	2.9	52	49	50	98.0	
SPM2*TLCEDW1*5	2.9	51	48	50	96.0	2.1

STORET: 39180 METHOD: 8260-G TRICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	17	17	20	85.0	
SP1*NONE*2	0.0	16	16	20	80.0	
SP1*NONE*3	0.0	17	17	20	85.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	1.5	44	43	50	86.0	
SPM2*TLCEDW1*5	1.5	44	43	50	86.0	0.0

STORET: 34541 METHOD: 8260-G 1,2-DICHLOROPROPANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	17	17	20	85.0	
SP1*NONE*2	0.0	18	18	20	90.0	
SP1*NONE*3	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 32101 METHOD: 8260-G BROMODICHLOROMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.2 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	19	19	20	95.0	
SP1*NONE*2	0.0	21	21	20	105.0	
SP1*NONE*3	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34704 METHOD: 8260-G CIS-1,3-DICHLOROPROPENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	19	19	20	95.0	
SP1*NONE*3	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 81596 METHOD: 8260-G METHYL ISOBUTYL KETONE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 12.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	16	16	20	80.0	
SP1*NONE*2	0.0	20	20	20	100.0	
SP1*NONE*3	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 95377 METHOD: SUR TOLUENE-D8 (8260), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 34010 METHOD: 8260-G TOLUENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.7 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.

SP1*NONE*1	0.0	18	18	20	90.0
SP1*NONE*2	0.0	18	18	20	90.0
SP1*NONE*3	0.0	19	19	20	95.0

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.92	49	48	50	96.0	
SPM2*TLCEDW1*5	0.92	49	48	50	96.0	0.0

STORET: 34699 METHOD: 8260-G TRANS-1,3-DICHLOROPROPENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	20	20	20	100.0	
SP1*NONE*3	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34511 METHOD: 8260-G 1,1,2-TRICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.8 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	16	16	20	80.0	
SP1*NONE*2	0.0	19	19	20	95.0	
SP1*NONE*3	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 95378 METHOD: SUR BROMOFLUOROBENZENE (8260), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 34475 METHOD: 8260-G TETRACHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.9 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	13	13	20	65.0		
SP1*NONE*2	0.0	12	12	20	60.0		Recovery exceeds criteria. (<64)
SP1*NONE*3	0.0	13	13	20	65.0		

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.

SPM1*TLCEDW1*5	0.0	0.0	0.0	0.0
SPM2*TLCEDW1*5	0.0	0.0	0.0	0.0

STORET: 77103 METHOD: 8260-G 2-HEXANONE (MBK), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 21.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	16	16	20	80.0		Recovery exceeds criteria. (<100)
SP1*NONE*2	0.0	19	19	20	95.0		Recovery exceeds criteria. (<100)
SP1*NONE*3	0.0	20	20	20	100.0		

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 32105 METHOD: 8260-G DIBROMOCHLOROMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.3 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	16	16	20	80.0	
SP1*NONE*2	0.0	18	18	20	90.0	
SP1*NONE*3	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34301 METHOD: 8260-G CHLOROBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	18	18	20	90.0	
SP1*NONE*3	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SPM1*TLCEDW1*5	410	450	40	50	80.0		Recovery Exceeds criteria. (<85)
SPM2*TLCEDW1*5	410	450	40	50	80.0	0.0	Recovery Exceeds criteria. (<85)

STORET: 34371 METHOD: 8260-G ETHYLBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.3 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	17	17	20	85.0	
SP1*NONE*3	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.86	0.86	0.0		0.0	
SPM2*TLCEDW1*5	0.86	0.84	-.02		0.0	

STORET: 81551 METHOD: 8260-G XYLENES,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.72 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	17	17	20	85.0		
SP1*NONE*2	0.0	16	16	20	80.0		Recovery exceeds criteria. (<83)
SP1*NONE*3	0.0	17	17	20	85.0		

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.96	0.93	-.03		0.0	
SPM2*TLCEDW1*5	0.96	0.95	-.01		0.0	

STORET: 77128 METHOD: 8260-G STYRENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 0.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	16	16	20	80.0		Recovery exceeds criteria. (<91)
SP1*NONE*2	0.0	15	15	20	75.0		Recovery exceeds criteria. (<91)
SP1*NONE*3	0.0	16	16	20	80.0		Recovery exceeds criteria. (<91)

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 32104 METHOD: 8260-G BROMOFORM, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	19	19	20	95.0	
SP1*NONE*2	0.0	22	22	20	110.0	
SP1*NONE*3	0.0	22	22	20	110.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

STORET: 34516 METHOD: 8260-G 1,1,2,2-TETRACHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
NONE*2	0.0
STORAGE*2	0.0
NONE*3	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	18	18	20	90.0	
SP1*NONE*2	0.0	23	23	20	115.0	
SP1*NONE*3	0.0	23	23	20	115.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLCEDW1*5	0.0	0.0	0.0		0.0	
SPM2*TLCEDW1*5	0.0	0.0	0.0		0.0	

SURROGATE SPIKE(S)

QC.TYPE*FG*SEQ	PARAMETER		FOUND	TARGET	% RECV
MB*NONE*1	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	50	50	100.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	46	50	92.0
SP1*NONE*1	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	46	50	92.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
DA*TLCEDW1*5	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	52	50	104.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	52	50	104.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	52	50	104.0
SPM1*TLCEDW1*5	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	49	50	98.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	45	50	90.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	45	50	90.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	45	50	90.0
SPM2*TLCEDW1*5	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	49	50	98.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
DA*TLCEDW1*1	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	54	50	108.0
DA*TLCEDW1*2	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	52	50	104.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	52	50	104.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	52	50	104.0
DA*TLCEDW1*3	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	53	50	106.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	50	50	100.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	51	50	102.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	53	50	106.0
DA*TLCEDW1*4	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	53	50	106.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	51	50	102.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	53	50	106.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	52	50	104.0
DA*TLCEDW1*6	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	48	50	96.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	47	50	94.0
DA*TLCEDW1*7	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	52	50	104.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	50	50	100.0
DA*TLCEDW1*8	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	48	50	96.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	51	50	102.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	49	50	98.0
DA*TLCEDW1*9	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	48	50	96.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	51	50	102.0

	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	50	50	100.0	
DA*TLCEDW1*10	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	56	50	112.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	52	50	104.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	54	50	108.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	57	50	114.0	
DA*TLCEDW1*11	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	50	50	100.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	51	50	102.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	55	50	110.0	
MB*NONE*2	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	46	50	92.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	44	50	88.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	48	50	96.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	46	50	92.0	
DA*TLCEDW1*17	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	48	50	96.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	45	50	90.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	48	50	96.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	47	50	94.0	
DA*TLCEDW1*18	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	49	50	98.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	44	50	88.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	43	50	86.0	Recovery exceeds criteria.
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	42	50	84.0	Recovery exceeds criteria.
DA*TLCEDW1*19	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	52	50	104.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	45	50	90.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	51	50	102.0	
MB*STORAGE*2	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	57	50	114.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	53	50	106.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	52	50	104.0	
SP1*NONE*2	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	50	50	100.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0	
MB*NONE*3	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	46	50	92.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	43	50	86.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	46	50	92.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	44	50	88.0	
SP1*NONE*3	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	48	50	96.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0	
DA*TLCEDW1*14	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	49	50	98.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	47	50	94.0	
DA*TLCEDW1*15	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	48	50	96.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	46	50	92.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	47	50	94.0	
DA*TLCEDW1*16	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	47	50	94.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	45	50	90.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	50	50	100.0	
DA*TLCEDW1*20	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	49	50	98.0	
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0	
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0	
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0	

SAMPLE ID	34418 8260 CHLOROMETHANE UG/L	39175 8260 VINYL CHLORIDE UG/L	34413 8260 BROMOMETHANE UG/L	34311 8260 CHLOROETHANE UG/L	34501 8260 1,1-DICHLOROETHYLENE UG/L	81552 8260 ACETONE UG/L	77041 8260 CARBON DISULFIDE UG/L	34423 8260 METHYLENE CHLORIDE UG/L	34546 8260 TRANS-1,2-DICHLOROET UG/L	34496 8260 1,1-DICHLOROETHANE UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	5.4	0.0	1.6	0.0	0.0
TLCEDW1*5	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*1	<4.4	64	<3.5	<8.2	<3.2	16	<4.4	<6.4	17	<2.5
TLCEDW1*2	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*3	<4.4	5.2	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*4	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*6	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*7	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*8	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*9	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*10	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*11	<4.4	<4.6	<3.5	<8.2	<3.2	35	<4.4	<6.4	<2.4	<2.5
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	4.9	0.0	1.5	0.0	0.0
TLCEDW1*17	<22	<23	<18	<41	<16	<45	<22	<32	<12	<13
TLCEDW1*18	<22	<23	<18	<41	<16	<45	<22	<32	<12	<13
TLCEDW1*19	<440	<460	<350	<820	<320	<900	<440	<640	<240	<250
MB*STORAGE*2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0
MB*NONE*3	0.0	0.0	0.0	0.0	0.0	3.9	0.0	1.8	0.0	0.0
TLCEDW1*14	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*15	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*16	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*20	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5

SAMPLE ID	77057 8260 VINYL ACETATE UG/L	77093 8260 CIS-1,2-DICHLOROETHE UG/L	81595 8260 METHYL ETHYL KETONE UG/L	32106 8260 CHLOROFORM UG/L	34506 8260 1,1,1-TRICHLOROETHAN UG/L	94386 SUR 1,2-DICHLOROETHANE-D UG/L	95376 SUR DIBROMOFLUOROMETHANE UG/L	34531 8260 1,2-DICHLOROETHANE UG/L	32102 8260 CARBON TETRACHLORIDE UG/L	34030 8260 BENZENE UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	50	47	0.0	0.0	0.0
TLCEDW1*5	<10	<2.4	<10	<2.5	<2.5	52	49	<2.5	<2.6	2.9
TLCEDW1*1	<10	2400	<10	<2.5	<2.5	51	49	<2.5	<2.6	13
TLCEDW1*2	<10	<2.4	<10	<2.5	<2.5	52	49	<2.5	<2.6	<1.0
TLCEDW1*3	<10	11	<10	<2.5	<2.5	53	50	<2.5	<2.6	5.1
TLCEDW1*4	<10	<2.4	<10	<2.5	<2.5	53	51	<2.5	<2.6	<1.0
TLCEDW1*6	<10	<2.4	<10	<2.5	<2.5	51	48	<2.5	<2.6	<1.0
TLCEDW1*7	<10	<2.4	<10	<2.5	<2.5	52	49	<2.5	<2.6	7.9
TLCEDW1*8	<10	<2.4	<10	<2.5	<2.5	51	48	<2.5	<2.6	<1.0
TLCEDW1*9	<10	<2.4	<10	<2.5	<2.5	51	48	<2.5	<2.6	9.0
TLCEDW1*10	<10	3.4	<10	<2.5	<2.5	56	52	<2.5	<2.6	28
TLCEDW1*11	<10	<2.4	<10	<2.5	<2.5	51	50	<2.5	<2.6	3.3
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	46	44	0.0	0.0	0.0
TLCEDW1*17	<50	25	<50	<13	<13	48	45	<13	<13	<5.0
TLCEDW1*18	<50	<12	<50	<13	<13	49	44	<13	<13	<5.0
TLCEDW1*19	<1000	<240	<1000	<250	<250	52	47	<250	<260	<100
MB*STORAGE*2	0.0	0.0	0.0	0.0	0.0	57	53	0.0	0.0	0.0
MB*NONE*3	0.0	0.0	0.0	0.0	0.0	46	43	0.0	0.0	0.0
TLCEDW1*14	<10	<2.4	<10	<2.5	<2.5	49	47	<2.5	<2.6	<1.0
TLCEDW1*15	<10	<2.4	<10	<2.5	<2.5	48	46	<2.5	<2.6	<1.0
TLCEDW1*16	<10	<2.4	<10	<2.5	<2.5	47	45	<2.5	<2.6	<1.0
TLCEDW1*20	<10	<2.4	<10	<2.5	<2.5	49	47	<2.5	<2.6	<1.0

SAMPLE ID	39180 8260 TRICHLOROETHENE UG/L	34541 8260 1,2-DICHLOROPROPANE UG/L	32101 8260 BROMODICHLOROMETHANE UG/L	34704 8260 CIS-1,3-DICHLOROPROP UG/L	81596 8260 METHYL ISOBUTYL KETO UG/L	95377 SUR TOLUENE-D8 (8260) UG/L	34010 8260 TOLUENE UG/L	34699 8260 TRANS-1,3-DICHLOROPR UG/L	34511 8260 1,1,2-TRICHLOROETHAN UG/L	95378 SUR BROMOFLUOROBENZENE (UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	49	0.0	0.0	0.0	46
TLCEDW1*5	<3.0	<2.0	<2.2	<2.0	<12	52	<1.7	<1.6	<2.8	52
TLCEDW1*1	12	<2.0	<2.2	<2.0	<12	50	86	<1.6	<2.8	54
TLCEDW1*2	<3.0	<2.0	<2.2	<2.0	<12	52	<1.7	<1.6	<2.8	52
TLCEDW1*3	<3.0	<2.0	<2.2	<2.0	<12	51	2.7	<1.6	<2.8	53
TLCEDW1*4	<3.0	<2.0	<2.2	<2.0	<12	53	<1.7	<1.6	<2.8	52
TLCEDW1*6	<3.0	<2.0	<2.2	<2.0	<12	49	<1.7	<1.6	<2.8	47
TLCEDW1*7	<3.0	<2.0	<2.2	<2.0	<12	50	120	<1.6	<2.8	50
TLCEDW1*8	<3.0	<2.0	<2.2	<2.0	<12	51	<1.7	<1.6	<2.8	49
TLCEDW1*9	<3.0	<2.0	<2.2	<2.0	<12	51	<1.7	<1.6	<2.8	50
TLCEDW1*10	<3.0	<2.0	<2.2	<2.0	<12	54	250	<1.6	<2.8	57
TLCEDW1*11	<3.0	<2.0	<2.2	<2.0	<12	51	1.9	<1.6	<2.8	55
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	48	0.0	0.0	0.0	46
TLCEDW1*17	<15	<10	<11	<10	<60	48	1500	<8.0	<14	47
TLCEDW1*18	<15	<10	<11	<10	<60	43	2100	<8.0	<14	42
TLCEDW1*19	<300	<200	<220	<200	<1200	45	230000	<160	<280	51
MB*STORAGE*2	0.0	0.0	0.0	0.0	0.0	49	0.0	0.0	0.0	52
MB*NONE*3	0.0	0.0	0.0	0.0	0.0	46	0.0	0.0	0.0	44

TLCEDW1*14	<3.0	<2.0	<2.2	<2.0	<12	49	<1.7	<1.6	<2.8	47
TLCEDW1*15	<3.0	<2.0	<2.2	<2.0	<12	49	<1.7	<1.6	<2.8	47
TLCEDW1*16	<3.0	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	50
TLCEDW1*20	<3.0	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	48

	34475	77103	32105	34301	34371	81551	77128	32104	34516
	8260	8260	8260	8260	8260	8260	8260	8260	8260
	TETRACHLOROETHENE	2-HEXANONE (MBK)	DIBROMOCHLOROMETHANE	CHLOROBENZENE	ETHYLBENZENE	XYLENES,TOTAL	STYRENE	BROMOFORM	1,1,2,2-TETRACHLOROE
SAMPLE ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TLCEDW1*5	<1.9	<21	<2.3	410	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*1	8.3	<21	<2.3	2000	9.3	22	<0.50	<2.6	<1.5
TLCEDW1*2	<1.9	<21	<2.3	1.9	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*3	<1.9	<21	<2.3	730	5.8	11	<0.50	<2.6	<1.5
TLCEDW1*4	<1.9	<21	<2.3	79	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*6	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*7	<1.9	<21	<2.3	690	3.6	9.4	<0.50	<2.6	<1.5
TLCEDW1*8	<1.9	<21	<2.3	17	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*9	<1.9	<21	<2.3	790	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*10	<1.9	<21	<2.3	1300	2.3	6.4	<0.50	<2.6	<1.5
TLCEDW1*11	<1.9	<21	<2.3	3800	4.1	<3.7	<0.50	<2.6	<1.5
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TLCEDW1*17	<9.5	<110	<12	210	33	120	<2.5	<13	<7.5
TLCEDW1*18	<9.5	<110	<12	150	41	150	<2.5	<13	<7.5
TLCEDW1*19	<190	<2100	<230	<140	1600	7300	<50	<260	<150
MB*STORAGE*2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MB*NONE*3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TLCEDW1*14	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*15	<1.9	<21	<2.3	1.9	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*16	<1.9	<21	<2.3	<1.4	61	120	<0.50	<2.6	<1.5
TLCEDW1*20	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5

QST Environmental Analytical Services
Computer QC Checks

Batch No.: G90595 Analysis Date: 05/06/98 Analyst: GREGORY LAMB Report Date: 05/19/98

	Yes	"Exceptions" No	See Batch Comments
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	C2H5CL
			TCLEE
			MNBK
			XYLEN
			STYR
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	CLC6H5
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	CLC6H5
Surrogate present?	X		
Surrogate within acceptance criteria?		X	MEC6H5
			BFB

These LCS compounds were slightly out of criteria. Recovery ranges are still being established.

This MS/MSD compound out due to presence of high amounts in the sample.

Surr out on one sample. This sample was reanalyzed at a dilution, However the Neat run was reported

05/20/98

Note: Any "NO" answer requires a comment.

QST Environmental Analytical Services
Internal QA/QC Checklist For GC/MS Analysis

Batch No.: G90595 Analysis Date: 05/06/98 Analyst: GREGORY LAMB

	N/A	Yes	No	"Exceptions" Comment/Corrective Action
Are reported values consistent with the required units?		✓		
Are detection limits reported correctly?		✓		
Are dilution factors entered correctly?		✓		
Has continuing calibration or initial calibration passed criteria?		✓		
Have BFB (VOA) or DFTPP (NVO) tuning criteria been met?		✓		
Have internal standard responses been reviewed for reproducibility?		✓		
Does the method blank meet method-specified acceptance criteria?		✓		
For 8260A method only:				
Are all analytes in the MB < RL (except MeCl2 and acetone)?		✓		
Is MeCl2 < 2.5 times RL and acetone < 5 times RL?		✓		
If not, is an appropriate explanation provided?	✓			
For 8270B method only:				
Are all analytes in the MB < RL?	✓			
If not, is an appropriate explanation provided?	✓			
Are all analyses free of interferences from previous analyses?		✓		
If not, does the quality of the data remain unimpaired?	✓			
Do dates match from instrument logbook and raw data output?		✓		
Have all manual integrations been flagged with an M qualifier and documented with a hardcopy, dated and initialed?		✓		
Is an example calculation provided?		✓		
Has the batch documentation checklist been completed?		✓		
Were the first extracts/digests prepped from this sample used for sample analysis?	✓			
If not, is an appropriate explanation provided?	✓			
Has the lot number for the solvent used for sample extraction been entered into the instrument logbook on the page used for daily analysis?	✓			
Have DDT/DDE/DDD breakdown and tailing factors been calculated and documented in the batch?	✓			

Note: Any "NO" answer requires a comment.
Additional Comments:

Completed By: [signature]
Date 05/06/98

Reviewed By: [signature]
Date 5/8/98

Notification of appropriate Laboratory Coordinators required for "Exceptions":

Signature	Date	Comments

BATCH OVERRIDE BY:

QST Environmental - Standard Prep Logbook

Project IS82636 * Internal Standard 8260 1582-31-1

① 200 ul of Internal standard mix was added to 600 ul of Baxter/B+J brand Methanol, lot #BQ076, in a Wheaton vial and sealed. Six fractions were prepared and denoted as: IS82636*A→F

$$\left(200\,ug/ml\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$

Expires: 05-21-98

AccuStandard Inc.

25 Science Park • New Haven, CT 06511
Phone 800-442-5290 • 203-786-5290

M-8260-IS
Internal Standard Mix
0.2 mg/mL in MeOH
Lot: A7090122
Exp: Apr 1, 1999

Rec. 03-02-98

1 mL

Storage: AMBIENT
4 comps.

MADE IN THE USA

r Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-IS
DESCRIPTION: Internal Standard Mix
LOT #: A7090122
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/MS)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Chlorobenzene-d5	3114-55-4	100	200.4	200.4
1,4-Dichlorobenzene-d4	3855-82-1	100	200.2	200.2
1,4-Difluorobenzene	540-36-3	98.8	200.8	198.4
Pentafluorobenzene	363-72-4	99.7	200.8	200.2

Rec. 03-02-98

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 731/243669 'a'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

QR-ORG-004
Rev. 0 3/98

This product was manufactured to meet the quality system requirements of ISO 9001

Daniel C. Luco 04-21-98 [signature] 4/21/98

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QST Environmental - Standard Prep Logbook

Project SSWSR22 * 8260 Surrogate Standard 1582-32-1

① 200ul of surrogate standard mix was added to 600ul of Baxter/B+J brand Methanol, lot # BQ076, in a Wheaton vial and sealed. Six fractions were prepared and denoted as: SSWSR22 * A→F

$$\left(\frac{200\,ug}{ml}\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$

Expires: 05-21-98

AccuStandard Inc.

25 Science Park • New Haven, CT 06511
Phone 800-442-5290 • 203-786-5290

M-8240/60-SS
Surrogate Standard VOA Mix
0.2 mg/mL in MeOH
Lot A7080001
Exp. Mar 1, 1999

Rec. 02-19-98

1 mL

Research Use Only

Storage: AMBIENT

4 comps.

CARCINOGENIC

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240/60-SS
DESCRIPTION: Surrogate Standard VOA Mix
LOT #: A7080001
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
p-Bromofluorobenzene	460-00-4	100	200.1	200.1
Dibromofluoromethane	1868-53-7	99.9	200.4	200.2
1,2-Dichloroethane-d4	17060-07-0	99.9	200.4	200.2
Toluene-d8	2037-26-5	100	200.5	200.5

Rec. 02-19-98

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 731/243669 'S'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: R. Roon

This product was manufactured to meet the quality system requirements of ISO 9001

Daniel C. Lucas 04-21-98

4/21/98

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BOOK # 1582

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QST Environmental - Standard Prep Logbook

Project VSBM14 * 8260/APP IX Solution 1582-33-1

① All solutions were transfered to auto-samples vials and sealed.

② Acrolein + Acrylonitrile were diluted to 2000 ug/ml. 1ml → 5ml of MeOH, lot # BQ076. $\left(\frac{10{,}000\,ug}{ml}\right)\left(\frac{1\,ml}{1}\right)\left(\frac{1}{5.0\,ml}\right) = 2000\,ug/ml$

③ A 10.0ml volumetric flask was filled with 5ml of Baxter/B+J brand Methanol, lot # BQ076.

④ 0.250ml of each solution was added to the flask using a gas tight syringe. Brought to volume with Methanol and inverted 3x.

⑤ The solution was transfered to Wheaton vials and sealed.

⑥ The vials were denoted as: VSBM14 * A → F Expires: 05-23-98

$\left(\frac{0.250\,ml}{1}\right)\left(\frac{2000\,ug}{ml}\right)\left(\frac{1}{10.0\,ml}\right) = 50\,ug/ml$

AccuStandard Inc. 25 Science Park • New Haven, CT 06511 Phone 800-442-5290 • 203-786-5290

M-502A-R-10X 1 mL
Volatile Organic Compounds - Liquids
2.0 mg/mL in MeOH
Lot A7040270 Storage: REFRIGERATE
Exp: April-1-1999 54 comps.
Rec. 3-27-98
MADE IN THE USA
For Research Use Only

AccuStandard Inc. 25 Science Park • New Haven, CT 065 Phone 800-442-5290 • 203-786-5290

M-502B-10X/M-601B-10X/M-502C-01 1 mL
Volatile Organic Cmpnds - Gases
2.0 mg/mL in MeOH
Lot A8010242 Storage: REFRIGERATE
Exp: April-1-1999 6 comps.
Rec. 3-27-98
MADE IN THE USA

AccuStandard Inc. 25 Science Park • New Haven, CT 06 Phone 800-442-5290 • 203-786-529

M-8240C-R3-10X 1 mL
Appendix IX Volatiles Mix
Varied conc. in MeOH
Lot A8020341 Storage: REFRIGERATE
Exp: April-1-1999 12 comps.
Rec. 3-27-98
MADE IN THE USA

AccuStandard Inc. 25 Science Park • New Haven, CT Phone 800-442-5290 • 203-786-52

M-8260-ADD-10X 1 mL
Method 8260 Additions
2.0 mg/mL in MeOH
Lot A8030034 Storage: FREEZER
Exp: Jul 4, 1998 8 comps.
Rec. 3-27-98
CARCINOGENIC
MADE IN THE USA
For Research Use Only

AccuStandard Inc. 25 Science Park • New Haven, CT 06511 Phone 800-442-5290 • 203-786-5290

APP-9-048-R1-20X 1 mL
Chloroprene
2.0 mg/mL in MeOH
Lot A8020327 Storage: FREEZER
Exp: Jun 25, 1998
Rec. 3-27-98
POISON
MADE IN THE USA
For Research Use Only

AccuStandard Inc. 25 Science Park • New Haven, CT 06511 Phone 800-442-5290 • 203-786-5290

M-603-10X 1 mL
Acrolein & Acrylonitrile
10.0 mg/mL in water
Lot A8020184 Storage: FREEZER
Exp: Jun 16, 1998 2 comps.
Rec. 3-27-98
CARCINOGENIC
MADE IN THE USA
For Research Use Only

Daniel C. Lucas 04-23-98 4/23/98

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QST Environmental - Standard Prep Logbook

Project VSBM14 * 8260/APP IX Solution

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-603-10X
DESCRIPTION: Acrolein & Acrylonitrile
LOT #: A8020184
SOLVENT: water
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (mg/mL)	Analyte Concentration[2] (mg/mL)
Acrolein	107-02-8	87.0	11.50 *	10.01
Acrylonitrile	107-13-1	99.9	10.00	9.99

Rec. 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

CATALOG NO. APP-9-048-R1-20X
DESCRIPTION: Appendix 9 Compound
LOT: A8020327
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Chloroprene	126-99-8	98.5	2008	1978

Rec 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-ADD-10X
DESCRIPTION: Method 8260 Additions
LOT #: A8030034
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Acetone	67-64-1	99.7	2000	1994
2-Butanone	78-93-3	99.5	2000	1988
Carbon disulfide	75-15-0	99.0	2000	1983
2-Chloroethylvinyl ether	110-75-8	100	2000	2000
2-Hexanone	591-78-6	99.4	2000	1988
Iodomethane	74-88-4	99.9	2000	1998
4-Methyl-2-pentanone	108-10-1	99.0	2000	1980
Vinyl acetate	108-05-4	99.9	2001	1999

Rec 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502B-10X/M-601B-10X/M-502C-01
DESCRIPTION: Volatile Organic Cmpnds - Gases
LOT #: A8010242
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Bromomethane	74-83-9	99.0	2015	1995
Chloroethane	75-00-3	99.0	2009	1989
Chloromethane	74-87-3	99.0	2008	1988
Dichlorodifluoromethane	75-71-8	99.0	2002	1982
Trichlorofluoromethane	75-69-4	99.0	2002	1982
Vinyl chloride	75-01-4	99.0	2001	1981

Rec. 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240C-R3-10X
DESCRIPTION: Appendix IX Volatiles Mix
LOT #: A8020341
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Acetonitrile	75-05-8	99.9	2009	2009
Allyl chloride	107-05-1	99.9	2000	1980
Benzyl chloride	100-44-7	99.9	2000	1980
Bis-(2-Chloro-2-propyl)-ether	108-60-1	99.9	2000	1980
Bis-(2-Chloroethyl)-ether	111-44-4	99.9	2000	1980
1,4-Dioxane	123-91-1	99.7	2000	1970
Ethanol	64-17-5	100	40000	40000
Ethyl methacrylate	97-63-2	99.9	40000	40000
Methacrylonitrile	126-98-7	99.9	40000	40000
Methanol	67-56-1	99.9	20000	20000
Methyl methacrylate	80-62-6	100	20000	20000
Pentachloroethane	76-01-7	99.9	2000	1984
Propionitrile	107-12-0	99.9	2001	1991

Rec. 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502A-R-10X
DESCRIPTION: Volatile Organic Compounds - Liquids
LOT #: A7040270
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Benzene	71-43-2	99.9	2000	1998
Bromobenzene	108-86-1	99.9	2000	1998
Bromochloromethane	74-97-5	99.9	2000	1998
Bromodichloromethane	75-27-4	99.9	2000	1998
Bromoform	75-25-2	99.9	2000	1998
n-Butylbenzene	104-51-8	99.9	2000	1998
sec-Butylbenzene	135-98-8	99.9	2000	1998
tert-Butylbenzene	98-06-6	99.9	2000	1998
Carbon tetrachloride	56-23-5	99.9	2000	1998
Chlorobenzene	108-90-7	99.9	2000	1998
Chloroform	67-66-3	99.9	2000	1998
2-Chlorotoluene	95-49-8	99.9	2000	1998
4-Chlorotoluene	106-43-4	99.9	2000	1998
Dibromochloromethane	124-48-1	100 (GCMS)	2000	2000
1,2-Dibromo-3-chloropropane	96-12-8	99.1	2000	1981
1,2-Dibromoethane	106-93-4	99.9	2000	1998
Dibromomethane	74-95-3	99.9	2000	1998
1,2-Dichlorobenzene	95-50-1	99.9	2000	1998
1,3-Dichlorobenzene	541-73-1	99.9	2000	1998
1,4-Dichlorobenzene	106-46-7	99.9	2000	1998
Dichlorodifluoromethane	75-71-8	99.9	2000	1998
1,1-Dichloroethane	75-34-3	99.9	2000	1998
1,2-Dichloroethane	107-06-2	99.9	2000	1998
1,1-Dichloroethene	75-35-4	99.9	2000	1998
cis-1,2-Dichloroethene	156-59-2	99.1	2000	1981
trans-1,2-Dichloroethene	156-60-5	99.9	2000	1998
1,2-Dichloropropane	78-87-5	99.9	2000	1998
1,3-Dichloropropane	142-28-9	99.9	2000	1998
2,2-Dichloropropane	594-20-7	99.1	2000	1981
1,1-Dichloropropene	563-58-6	99.9	2000	1998
cis-1,3-Dichloropropene	10061-01-5	99.9	2000	1998
trans-1,3-Dichloropropene	10061-02-6	99.9	2000	1998
Diethylether	60-29-7	99.9	2000	1998
Ethylbenzene	100-41-4	99.9	2000	1998
Hexachlorobutadiene	87-68-3	99.9	2000	1998
Isopropylbenzene	98-82-8	99.9	2000	1998
p-Isopropyltoluene	99-87-6	99.9	2000	1998
Methylene chloride	75-09-2	99.9	2000	1998
Naphthalene	91-20-3	99.9	2000	1998
n-Propylbenzene	103-65-1	99.9	2000	1998
Styrene	100-42-5	99.7	2000	1994
1,1,1,2-Tetrachloroethane	630-20-6	99.9	2000	1998
1,1,2,2-Tetrachloroethane	79-34-5	99.9	2000	1998
Tetrachloroethene	127-18-4	99.9	2000	1998
Toluene	108-88-3	99.9	2000	1998
1,2,3-Trichlorobenzene	87-61-6	100	2000	2000
1,2,4-Trichlorobenzene	120-82-1	99.9	2000	1998
1,1,1-Trichloroethane	71-55-6	99.9	2000	1998
1,1,2-Trichloroethane	79-00-5	99.9	2000	1998
Trichloroethene	79-01-6	99.9	2000	1998

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
1,2,3-Trichloropropane	96-18-4	99.9	2000	1998
1,2,4-Trimethylbenzene	95-63-6	99.9	2000	1998
1,3,5-Trimethylbenzene	108-67-8	99.9	2000	1998
o-Xylene	95-47-6	99.9	2000	1998
m-Xylene	108-38-3	99.9	2000	1998
p-Xylene	106-42-3	100	2000	2000

Rec 03-27-98

Daniel C. Lucas 04-23-98 04/23/98

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QST Environmental - Standard Prep Logbook

Project CLPVS112 * Standards Solution 1582-39-1

① 200ul of each solution; Purgeables A, B, C, and Mix-D were combined in a 2.0ml vial to yield a 50ug/ml solution. This procedure was repeated 5 times to produce 5 vials. These were denoted as: CLPV112 *A→E

NOTEBOOK INSERT LABEL

EPA Purgeable A 48851-U
Lot: LA72572 EXP: DEC/2000 STORAGE: REFRIGERATE 1 x 1ml
DATE RECEIVED: 03-26-98
SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

NOTEBOOK INSERT LABEL

EPA Purgeable B 4-8852
Lot: LA70373 EXP: MAY/2000 STORAGE: REFRIGERATE 1 x 1ml
DATE RECEIVED: 03-30-98
SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

NOTEBOOK INSERT LABEL

EPA Purgeable C 4-8853
Lot: LA72863 EXP: MAY/1999 STORAGE: REFRIGERATE 1 x 1ml
DATE RECEIVED: 03-26-98
SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Expires: 06-04-98

Protocol analytical supplies, inc.

Cat# CLPV-D88
Lot# W980331001
Date Opened 05-04-98
MIX-D (2-88 & 3-90 SOW)

Contains the following in [Methanol (Purge & Trap Grade)]

200 µg/ml 2-Butanone
200 µg/ml 2-Hexanone
200 µg/ml 4-Methyl-2-pentanone
200 µg/ml Acetone
200 µg/ml Carbon Disulfide
200 µg/ml cis-1,2-Dichloroethene
200 µg/ml p-Xylene
200 µg/ml Styrene
200 µg/ml Vinyl acetate

Rec. 04-02-98

Protocol analytical supplies, inc.
472 Lincoln Boulevard • Middlesex • NJ • 08846 1-800-862-0080 • 732-627-0500 • Fax: 732-627-0979

CERTIFICATE OF ANALYSIS

For Use With USEPA Anlytical Methods

TRACEABILITY DOCUMENTATION FOR SOLUTION - CLPV-D88
LOT NUMBER - W980331001
SHIP DATE - 03-31-1998
EXPIRATION DATE - 03-31-1999
Standard Solution Matrix - Methanol (Purge & Trap Grade)

Rec. 04-02-98

STARTING MATERIALS

Compound	CAS #	Purity	Amount used per ml	Final Concentration
2-Butanone	78-93-3	99.7	201 µg	200 µg/ml
2-Hexanone	591-78-6	98	204 µg	200 µg/ml
4-Methyl-2-pentanone	108-10-1	99.7	201 µg	200 µg/ml
Acetone	67-64-1	99.9	200 µg	200 µg/ml
Carbon Disulfide	75-15-0	99.9	200 µg	200 µg/ml
cis-1,2-Dichloroethene	156-59-2	97	206 µg	200 µg/ml
p-Xylene	106-42-3	99.8	200 µg	200 µg/ml
Styrene	100-42-5	99	202 µg	200 µg/ml
Vinyl acetate	108-05-4	99	202 µg	200 µg/ml

Final solution integrity verified by Gas Chromatography/Mass Spectrometry.

The mass spectrum of each compound was confirmed against the NIST mass spectral database.

Balances are calibrated with registered NJ Weight Sets # NJ89074, NJ89034 and NJ90292. These weights are registered with the NJ Office of Weights and Measures and are traceable through the standards of the State of NJ to NIST (formly NBS).

This solution meets and exceeds all requirements and guidelines set forth in 40 CFR part 136.

Results audited by: William Jimenez, Quality Assurance Manager

William Jimenez

Date: 5/31/1998

Contains Materials Known
Or Suspected to Cause Cancer
DANGER-FLAMMABLE

Daniel C. Luca 05-04-98 Kelly Jr. Pessalle-Keller 5/4/98

QST Environmental - Standard Prep Logbook

Project CLPVS112 + Standard Solution

Certificate of Analysis

DESCRIPTION: EPA Purgeable A

CATALOG NO.: 48851-U

LOT NO.: LA-72572

SOLVENT: METHANOL

Rec: 03-26-98

MFG DATE: Dec-1997

EXPIRATION DATE: Dec-2000

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3)	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
CARBON TETRACHLORIDE	56-23-5	99.0	199.8	192.9	+/-	2.30	LA55581
CHLOROBENZENE	108-90-7	98.3	200.4	195.7	+/-	1.74	LA65203
CHLOROFORM	67-66-3	99.0	200.2	195.5	+/-	2.80	LA55584
DIBROMOCHLOROMETHANE	124-48-1	98.2	200.2	189.2	+/-	2.44	LA67079
METHYLENE CHLORIDE	75-09-2	99.0	200.4	199.8	+/-	0.60	LA55595
TETRACHLOROETHENE	127-18-4	99.0	200.4	192.2	+/-	1.76	LA62649
TRICHLOROETHYLENE	79-01-6	99.0	200.4	195.9	+/-	1.77	LA53375
TRICHLOROFLUOROMETHANE	75-69-4	99.0 (a)	200.0	194.4	+/-	2.46	LA38821
1,1-DICHLOROETHANE	75-34-3	99.0	200.4	193.9	+/-	1.99	LA54711
1,1-DICHLOROETHYLENE	75-35-4	99.0	200.2	200.9	+/-	1.88	LA65448
1,1,2-TRICHLOROETHANE	79-00-5	99.0	199.8	192.8	+/-	2.44	LA40726
1,2-DICHLOROPROPANE	78-87-5	99.0	200.0	195.2	+/-	1.36	LA38765
2-CHLOROETHYL VINYL ETHER	110-75-8	99.0 (a)	200.2	194.1	+/-	2.97	LA65961

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL
(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of triplicate injections.

Elwood Doughty
wood Doughty
Quality Control Supervisor

Supelco warrants that its products conf
Purchaser must determine the suitability of
catalog or order invoice and packing slip

Certificate of Analysis

DESCRIPTION: EPA Purgeable B

CATALOG NO.: 4-8852

LOT NO.: LA-70373

SOLVENT: METHANOL

Rec 03-30-98

MFG DATE: Sep-1997

EXPIRATION DATE: May-2000

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3)	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BENZENE (5)	71-43-2	99.0	200.2	*****			LA55283
BROMODICHLOROMETHANE	75-27-4	96.7	200.2	198.5	+/-	0.50	LA47472
BROMOFORM	75-25-2	99.0	199.8	198.8	+/-	0.74	LA56679
CIS 1,3-DICHLOROPROPENE (E)	10061-01-5	99.0	199.8	203.3	+/-	0.43	LA60646
ETHYLBENZENE	100-41-4	99.0	200.0	201.8	+/-	0.17	LA38802
TOLUENE	108-88-3	99.0	200.0	202.4	+/-	0.18	LA55892
TRANS 1,3-DICHLOROPROPENE (E)	10061-02-6	99.0	200.2	200.8	+/-	0.31	LA60701
TRANS-1,2-DICHLOROETHYLENE	156-60-5	99.0	200.0	210.5	+/-	1.78	LA54963
1,1,1-TRICHLOROETHANE	71-55-6	99.0	200.0	203.6	+/-	1.07	LA38307
1,1,2,2-TETRACHLOROETHANE	79-34-5	98.8	199.8	199.1	+/-	1.10	LA62276
1,2-DICHLOROETHANE (5)	107-06-2	99.0	200.2	*****			LA51874

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is +/- 0.5% based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of triplicate injections.
(5) These products coelute and are not quantified in the final mix.

Elwood Doughty

Certificate of Composition

DESCRIPTION: EPA Purgeable C

CATALOG NO.: 48853

LOT NO.: LA-72863

Rec. 03-26-98

MFG DATE: Feb-1998

EXPIRATION DATE: May-1999

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
BROMOETHANE	74-83-9	98.7 (a)	200.0	LA57371
CHLOROETHANE	75-00-3	99.0 (a)	200.0	LA57235
CHLOROMETHANE	74-87-3	99.0	200.0	LA60784
VINYL CHLORIDE	75-01-4	99.0 (a)	200.0	LA56158

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL
(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

David C. Lucas 05-04-98

Kelly Russell-Kellen 5/4/98

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BOOK # 1582

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QST Environmental - Standard Prep Logbook

Project MATSPK30 * Matrix Spike Solution 1582-35-1

① 1.0ml of CLP Matrix Spike Solution @ 250 ug/ml was added to a 5.0ml volumetric flask containing Baxter/B+J brand Methanol, lot #B0076, brought to volume and mixed. Five fractions were prepared and denoted as: MATSPK30 * A-E. Expires: 05-24-98

NOTEBOOK INSERT LABEL

Volatile Organic Compound Matrix Spike Mix 4-8399
Lot: LA58862 EXP: JUN/1999 . STORAGE: REFRIGERATE 1 x 1ml
SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

DATE RECEIVED: 03-26-98

Certificate of Analysis

DESCRIPTION: Volatile Organic Compound Matrix Spike Mix

CATALOG NO.: 4-8399 MFG DATE: Jun-1996

LOT NO.: LA-58862 EXPIRATION DATE: Jun-1999

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BENZENE	71-43-2	99.0	250.0	256.3	+/-	0.85	LA45733
CHLOROBENZENE	108-90-7	99.0	250.0	252.6	+/-	0.34	LA40231
TOLUENE	108-88-3	99.0	250.0	252.6	+/-	0.75	LA59508
TRICHLOROETHYLENE	79-01-6	98.5	250.0	254.1	+/-	0.60	LA40152
1,1-DICHLOROETHYLENE	75-35-4	99.0	250.4	254.8	+/-	0.57	LA54962

Rec 03-26-98

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is +/- 0.5% based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure. Certified weights are not applicable after opening.
(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of triplicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Daniel C. Lucas 04-24-98 Kelly Russell Keller 4/27/98

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QST Environmental - Standard Prep Logbook

1582-02-1

Project VSBM13 + 8260/APP IX Solution

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502B-10X/M-601B-10X/M-502C-01
DESCRIPTION: Volatile Organic Cmpnds - Gases
LOT #: A8010242
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Bromomethane	74-83-9	99.0	2015	1995
Chloroethane	75-00-3	99.0	2009	1989
Chloromethane	74-87-3	99.0	2005	1985
Dichlorodifluoromethane	75-71-8	99.0	2002	1982
Trichlorofluoromethane	75-69-4	99.0	2002	1982
Vinyl chloride	75-01-4	99.0	2001	1981

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-ADD-10X
DESCRIPTION: Method 8260 Additions
LOT #: A8020225
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Acetone	67-64-1	99.7	2000	1994
2-Butanone	78-93-3	99.3	2000	1986
Carbon disulfide	75-15-0	99.0	2000	1980
2-Chloroethyl-Vinyl ether	110-75-8	100	2000	2000
2-Hexanone	591-78-6	99.4	2000	1988
Iodomethane	74-88-4	99.9	2000	1998
4-Methyl-2-pentanone	108-10-1	99.0	2000	1980
Vinyl acetate	108-05-4	99.9	2000	1998

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502A-R-10X
DESCRIPTION: Volatile Organic Compounds - Liquids
LOT #: A7040270
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Benzene	71-43-2	99.9	2000	1998
Bromobenzene	108-86-1	99.5	2000	1990
Bromochloromethane	74-97-5	99.2	2000	1984
Bromodichloromethane	75-27-4	99.0	2002	1982
Bromoform	75-25-2	99.5	2002	1992
n-Butylbenzene	104-51-8	99.9	2000	1998
sec-Butylbenzene	135-98-8	100	2000	2000
tert-Butylbenzene	98-06-6	99.0	2000	1980
Carbon tetrachloride	56-23-5	99.9	2002	2000
Chlorobenzene	108-90-7	99.9	2000	1998
Chloroform	67-66-3	99.2	2000	1984
2-Chlorotoluene	95-49-8	99.9	2000	1998
4-Chlorotoluene	106-43-4	99.9	2000	1998
Dibromochloromethane	124-48-1	100 (GCMS)	2003	2000
1,2-Dibromo-3-chloropropane	96-12-8	99.2	2009	1993
1,2-Dibromoethane	106-93-4	99.1	2009	1991
Dibromomethane	74-95-3	99.6	2002	1974
1,2-Dichlorobenzene	95-50-1	99.8	2000	1996
1,3-Dichlorobenzene	541-73-1	99.8	2000	1996
1,4-Dichlorobenzene	106-46-7	99.9	2000	1998
1,1-Dichloroethane	75-34-3	99.0	2000	1980
1,2-Dichloroethane	107-06-2	99.0	2002	1982
1,1-Dichloroethene	75-35-4	99.5	2001	1991
cis-1,2-Dichloroethene	156-59-2	99.6	2003	1995
trans-1,2-Dichloroethene	156-60-5	99.1	2001	1983
1,2-Dichloropropane	78-87-5	99.5	2008	1996
1,3-Dichloropropane	142-28-9	99.4	2002	1990
2,2-Dichloropropane	594-20-7	99.5	2001	1991
1,1-Dichloropropene	563-58-6	97.0	2064 *	2002
cis-1,3-Dichloropropene	10061-01-5	94.5	2064 *	1905
trans-1,3-Dichloropropene	10061-02-6	94.5	1923 *	1816
Ethylbenzene	100-41-4	99.0	2000	1980
Hexachlorobutadiene	87-68-3	99.1	2000	1985
Isopropylbenzene	98-82-8	100	2000	2000
p-Isopropyltoluene	99-87-6	99.4	2000	1988
Methylene chloride	75-09-2	99.9	2000	2001
Naphthalene	91-20-3	100	2000	2000
n-Propylbenzene	103-65-1	99.0	2000	1980
Styrene	100-42-5	99.7	2000	1994
1,1,1,2-Tetrachloroethane	630-20-6	99.0	2002	1982
1,1,2,2-Tetrachloroethane	79-34-5	99.8	2000	1996
Tetrachloroethene	127-18-4	99.6	2000	1994
Toluene	108-88-3	100	2000	2000
1,2,3-Trichlorobenzene	87-61-6	100	2000	2000
1,2,4-Trichlorobenzene	120-82-1	99.6	2001	1993
1,1,1-Trichloroethane	71-55-6	99.4	2000	1988
1,1,2-Trichloroethane	79-00-5	99.7	2004	1978
Trichloroethene	79-01-6	99.6	2004	1988

* Weight compensated to 100% purity

1. All weights are traceable through National Bureau of Standards Test No. 79/U243069 'V'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

QS-0002-004 Rev. 0 9/96

This product was manufactured to meet the quality system requirements of ISO 9001

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

CATALOG NO. APP-9-048-R1-20X
DESCRIPTION: Appendix 9 Compound
LOT: A8020327
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
*Chloroprene	126-99-8	98.5	2008	1978

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-603-10X
DESCRIPTION: Acrolein & Acrylonitrile
LOT #: A8010002
SOLVENT: water
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (mg/mL)	Analyte Concentration[2] (mg/mL)
Acrolein	107-02-8	97.0	11.49 *	10.00
Acrylonitrile	107-13-1	99.9	10.01	10.00

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502A-R-10X
DESCRIPTION: Volatile Organic Compounds - Liquids
LOT #: A7040270
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
1,2,3-Trichloropropane	96-18-4	99.0	2002	1982
1,2,4-Trimethylbenzene	95-63-6	98.4	2000	1968
1,3,5-Trimethylbenzene	108-67-8	98.2	2000	1964
o-Xylene	95-47-6	99.0	2000	1980
m-Xylene	108-38-3	99.9	2000	1998
p-Xylene	106-42-3	100	2000	2000

54 Components

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240C-R3-10X
DESCRIPTION: Appendix IX Volatiles Mix
LOT #: A7090006
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (mg/mL)	Analyte Concentration[2] (mg/mL)
Acetonitrile	75-05-8	99.9	20.00	19.98
Allyl chloride	107-05-1	99.8	2.01	2.00
cis-1,4-Dichloro-2-butene	1476-11-5	98.8	2.027 *	2.001
trans-1,4-Dichloro-2-butene	110-57-6	98.2	2.01	1.97
1,4-Dioxane	123-91-1	99.7	40.00	39.88
Ethanol	64-17-5	100	40.01	40.01
Ethyl methacrylate	97-63-2	99.0	2.01	1.99
Iso-butyl alcohol	78-83-1	99.8	40.02	39.94
Methacrylonitrile	126-98-7	99.0	20.02	19.82
Methyl methacrylate	80-62-6	100	2.01	2.00
Pentachloroethane	76-01-7	98.4	2.05 *	2.01
Propionitrile	107-12-0	99.9	20.01	19.79

[signature] 03-25-98

[signature] 3/25/98

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BOOK # B-1582

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0002

000404

QST Environmental - Standard Prep Logbook

Project IS82634 * Internal Standard 8260 1582-07-1

① 200 ul of Internal standard mix was added to 600 ul of Baxter/BJ brand Methanol, lot # BQ076, in a Wheaton vial and sealed.

Fractions A → F were prepared. Expires: 04-27-98

$$\left(200\ ug/ml\right)\left(0.2\ ml\right)\left(\frac{1}{0.8\ ml}\right) = 50\ ug/ml$$

AccuStandard Inc.

25 Science Park • New Haven, CT 06511
Phone 800-442-5290 • 203-786-5290

M-8260-IS
Internal Standard Mix
0.2 mg/mL in MeOH
Lot A7090122
Exp. 11-1-98

Rec. 10-09-97

1 mL

Storage: AMBIENT
4 comps.

MADE IN THE USA

For Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-IS
DESCRIPTION: Internal Standard Mix
LOT #: A7090122
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/MS)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Chlorobenzene-d5	3114-55-4	100	200.4	200.4
1,4-Dichlorobenzene-d4	3855-82-1	100	200.2	200.2
1,4-Difluorobenzene	540-36-3	98.8	200.8	198.4
Pentafluorobenzene	363-72-4	99.7	200.8	200.2

Rec. 10-09-97

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 731/243659 'A'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

This product was manufactured to meet the quality system requirements of ISO 9001

[signature] 03-27-98

[signature] 3/27/98

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0007

000405

QST Environmental - Standard Prep Logbook

Project SSWSR21 * 8260 Surrogate Standard 1582-24-1

① 200 ul of surrogate standard mix was added to 600 ul of Baxter/B+J brand Methanol, lot # BQ076, in a Wheaton vial and sealed. ~~Five~~ Six fractions were prepared and denoted as: SSWSR21 * A → F

WD DRC 4-13-98 ~~4-13-98~~

$$\left(200\,ug/ml\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$

Expires: 05-13-98

AccuStandard Inc.

25 Science Park • New Haven, CT 06511
Phone 800-442-5290 • 203-786-5290

M-8240/60-SS
Surrogate Standard VOA Mix
0.2 mg/mL in MeOH
Lot A7080001
Exp. Mar 1, 1999

Rec. 02-19-98

1 mL

Storage: AMBIENT
4 comps.

CARCINOGENIC
MADE IN THE USA

For Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240/60-SS
DESCRIPTION: Surrogate Standard VOA Mix
LOT #: A7080001
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
p-Bromofluorobenzene	460-00-4	100	200.1	200.1
Dibromofluoromethane	1868-53-7	99.9	200.4	200.2
1,2-Dichloroethane-d4	17060-07-0	99.9	200.4	200.2
Toluene-d8	2037-26-5	100	200.5	200.5

Rec. 02-19-98

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 731/243009 'A'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

This product was manufactured to meet the quality system requirements of ISO 9001

Daniel C. Luco 04-13-98 Kelly Jr. Russell Keller 4/14/98

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00024

000406

PROJECT 1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon-1,1,3) Notebook No. 1487

Continued From Page

① 200 ul of Freon-1,1,3 was added to 600 ul of Baxter/B+J brand Methanol, lot # ~~BM957~~ BQ076 in a Wheaton vial and sealed. Fractions A→E were prepared.
DOL 02-24-98

$$\left(200\,ug/ml\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$

1487-78-1

Expires: 08-24-98

AccuStandard Inc.
25 Science Park • New Haven, CT 06511
Phone 800-442-5290 • 203-786-5290

M-REF-14/S-257C
1,1,2-Trichloro-1,2,2-trifluoroethane
0.2 mg/mL in MeOH
Lot A7050308
Exp. 9-1-98

Rec. 8-27-97

1 mL

Storage: REFRIGERATE

MADE IN THE USA

For Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

CATALOG NO. M-REF-14/S-257C
DESCRIPTION: Refrigerant (Freon 113)
LOT: A7050308
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Rec. 08-27-97 DOL

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	99.3	200.1	198.7

1. All weights are traceable through National Bureau of Standards Test No. 731/243009 Y
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

This product was manufactured to meet the quality system requirements of ISO 9001

Continued on Page

Read and Understood By

Signed	Date	Signed	Date
Daniel C. Lucas	02-24-98	Kelly A. Russell-Keller	4/24/98

SIGNIFICANT ANALYTICAL DATES

1. Date initial calibration was performed that is used for continuing calibration comparison.

1. 04/17/98

2. Date of sample analysis.

2. 05/4,5,6/98

3. Date continuing calibration standard analysis was performed.

3. 05/4,5,6/98

RRF from which calibration (circle one of the following):

continuing standard (daily RRF)

initial calibration (average RRF)

Chemist's Signature

Date 05/19/98

Department Manager's Signature

Date 5/22/98

Dept. 1241

QST Environmental

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8260 EXAMPLE CALCULATION FOR DIBROMOFLUOROMETHANE

FILE: 03647

1,4 DIFLUOROBENZENE(IS) AREA COUNTS: 1395352

AMOUNT OF INTERNAL STANDARD (ng): 250

DIBROMOFLUOROMETHANE AREA COUNTS: 415801

SOURCE FILE OF RESPONSE FACTOR: 0.317

DIBROMOFLUOROMETHANE RESPONSE FACTOR: Avg of Calib

$$\mu g/L = \frac{(I_S)(A_X)}{(A_{is})(RRF)(V_O)}$$

Where:

A_X = Area of the characteristic ion for the compound to be measured

A_{is} = Area of the characteristic ion for the internal standard

I_S = Amount of internal standard added in nanograms

V_O = Volume of water purged in milliliters (mL)

$$\mu g/L = \frac{(415801)(250)}{(1395352)(0.317)(5)} = 47.00$$

Signature [signature] Date 05/21/98

VOCs - Batch G90413

COVER PAGE

Lab Name: QST Project No.1298524 SDG No: G90413 Matrix: WATER

Analysis: G90413 = EPA 8260

Client ID	Laboratory ID	Batch	Date Collected	Date Received	Analysis Date	Time
SP1	SP1*NONE*1	G90413	00/00/00	00/00/00	04/29/98	1255
XXXXMS	SPM1*XXXX*8	G90413	04/22/98	04/23/98	04/29/98	1541
XXXXMSD	SPM2*XXXX*8	G90413	04/22/98	04/23/98	04/29/98	1612
SP2	SP1*NONE*2	G90413	00/00/00	00/00/00	04/30/98	1425
TB-01	TLCEDW1*12	G90413	04/27/98	04/28/98	04/30/98	1659
TB-02	TLCEDW1*13	G90413	04/28/98	04/29/98	04/30/98	1733

Comments:
Full SDG: G90413-1 Sample List: TL.4

Updated by 1752 (GREGORY LAMB), 3577 (CHRIS CARNEY),

GENERAL COMMENTS:/
C2H5CL,CS2,STYR were slightly out on SP1. These compounds were not reported as hits on any samples. GGL 05/11/98
PROBLEM:
Standard matrix spike not within acceptance criteria:
34311*8260-G
77041*8260-G
77128*8260-G
EXPLANATION:

Sample Data

FORM 1
ANALYSIS DATA SHEET

Client ID

TB-01

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*12

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/28/98

Injection Volume: Date Extracted:

Time Analyzed: 1659 Date Analyzed: 04/30/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

FORM 1
ANALYSIS DATA SHEET

Client ID

TB-02

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: TLCEDW1*13

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/29/98

Injection Volume: Date Extracted:

Time Analyzed: 1733 Date Analyzed: 04/30/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	6.4	U
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

QC Data

Client ID

XXXXMS

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: QST Project No.: 1298524 SDG No.: G90413

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC LIMITS REC.
1,1-DICHLOROETHYLENE	50	0.0	51	102.0	59-155
BENZENE	50	0.0	53	106.0	78-124
TRICHLOROETHENE	50	0.0	48	96.0	77-127
TOLUENE	50	0.0	52	104.0	79-127
CHLOROBENZENE	50	0.0	53	106.0	85-125

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-DICHLOROETHYLENE	50	51	102.0	0.0	20	59-155
BENZENE	50	54	108.0	1.9	23	78-124
TRICHLOROETHENE	50	48	96.0	0.0	25	77-127
TOLUENE	50	54	108.0	3.8	24	79-127
CHLOROBENZENE	50	54	108.0	1.9	20	85-125

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 10 outside limits

COMMENT:

FORM 1
ANALYSIS DATA SHEET

Client ID

XXXXMS

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: SPM1*XXXX*8

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/23/98

Injection Volume: Date Extracted:

Time Analyzed: 1541 Date Analyzed: 04/29/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
75-35-4	1,1-DICHLOROETHYLENE	51.	
71-43-2	BENZENE	53.	
79-01-6	TRICHLOROETHENE	48.	
108-88-3	TOLUENE	52.	
108-90-7	CHLOROBENZENE	53.	

FORM 1
ANALYSIS DATA SHEET

Client ID

XXXXMSD

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: SPM2*XXXX*8

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 04/23/98

Injection Volume: Date Extracted:

Time Analyzed: 1612 Date Analyzed: 04/29/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
75-35-4	1,1-DICHLOROETHYLENE	51.	
71-43-2	BENZENE	54.	
79-01-6	TRICHLOROETHENE	48.	
108-88-3	TOLUENE	54.	
108-90-7	CHLOROBENZENE	54.	

Client ID

BLK1

QST METHOD BLANK SUMMARY

Lab Name: QST Project No: 1298524 SDG No.: G90413

Lab Sample ID: MB*NONE*1 Lab File ID: G90413

Matrix: WATER Instrument ID: VOA8

Date Analyzed: 04/29/98 Date Extracted:

Time Analysed: 1224

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
XXXXMS	SPM1*XXXX*8	04/29/98
XXXXMSD	SPM2*XXXX*8	04/29/98

COMMENTS:

FORM IV QST

FORM 1
ANALYSIS DATA SHEET

Client ID

BLK1

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: MB*NONE*1

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1224 Date Analyzed: 04/29/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	5.4	J
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	1.9	J
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

Client ID

BLK2

QST METHOD BLANK SUMMARY

Lab Name: QST Project No: 1298524 SDG No.: G90413

Lab Sample ID: MB*STORAGE*1 Lab File ID: G90413

Matrix: WATER Instrument ID: VOA8

Date Analyzed: 04/29/98 Date Extracted:

Time Analysed: 2014

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED

COMMENTS: No samples associated with this MB!

FORM IV QST

FORM 1
ANALYSIS DATA SHEET

Client ID

BLK2

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: MB*STORAGE*1

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 2014 Date Analyzed: 04/29/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	9.0	U
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	2.4	J
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

Client ID

BLK3

QST METHOD BLANK SUMMARY

Lab Name: QST Project No: 1298524 SDG No.: G90413

Lab Sample ID: MB*NONE*2 Lab File ID: G90413

Matrix: WATER Instrument ID: VOA8

Date Analyzed: 04/30/98 Date Extracted:

Time Analysed: 1355

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
TB-01	TLCEDW1*12	04/30/98
TB-02	TLCEDW1*13	04/30/98

COMMENTS:

FORM IV QST

FORM 1
ANALYSIS DATA SHEET

Client ID

BLK3

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: MB*NONE*2

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1355 Date Analyzed: 04/30/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	4.4	U
75-01-4	VINYL CHLORIDE	4.6	U
74-83-9	BROMOMETHANE	3.5	U
75-00-3	CHLOROETHANE	8.2	U
75-35-4	1,1-DICHLOROETHYLENE	3.2	U
67-64-1	ACETONE	3.5	J
75-15-0	CARBON DISULFIDE	4.4	U
75-09-2	METHYLENE CHLORIDE	2.2	J
156-60-5	TRANS-1,2-DICHLOROETHENE	2.4	U
75-34-3	1,1-DICHLOROETHANE	2.5	U
108-05-4	VINYL ACETATE	10.	U
156-59-2	CIS-1,2-DICHLOROETHENE	2.4	U
78-93-3	METHYL ETHYL KETONE (MEK)	10.	U
67-66-3	CHLOROFORM	2.5	U
71-55-6	1,1,1-TRICHLOROETHANE	2.5	U
107-06-2	1,2-DICHLOROETHANE	2.5	U
56-23-5	CARBON TETRACHLORIDE	2.6	U
71-43-2	BENZENE	1.0	U
79-01-6	TRICHLOROETHENE	3.0	U
78-87-5	1,2-DICHLOROPROPANE	2.0	U
75-27-4	BROMODICHLOROMETHANE	2.2	U
10061-01-5	CIS-1,3-DICHLOROPROPENE	2.0	U
108-10-1	METHYL ISOBUTYL KETONE	12.	U
108-88-3	TOLUENE	1.7	U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.6	U
79-00-5	1,1,2-TRICHLOROETHANE	2.8	U
127-18-4	TETRACHLOROETHENE	1.9	U
591-78-6	2-HEXANONE (MBK)	21.	U
124-48-1	DIBROMOCHLOROMETHANE	2.3	U
108-90-7	CHLOROBENZENE	1.4	U
100-41-4	ETHYLBENZENE	1.3	U
1330-20-7	XYLENES,TOTAL	3.7	U
100-42-5	STYRENE	0.50	U
75-25-2	BROMOFORM	2.6	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	1.5	U

Client ID

REFERENCE STANDARD

SP1

Lab Name: QST

SDG No: G90413

Lab Sample ID: SP1*NONE*1

Date Analyzed: 04/29/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
CHLOROMETHANE	20.	22.		110.0	0-273
VINYL CHLORIDE	20.	22.		110.0	0-251
BROMOMETHANE	20.	19.		95.0	0-242
CHLOROETHANE	20.	31.	*	155.0	30-130
1,1-DICHLOROETHYLENE	20.	22.		110.0	56-144
ACETONE	20.	21.		105.0	56-162
CARBON DISULFIDE	20.	22.	*	110.0	81-109
METHYLENE CHLORIDE	20.	20.		100.0	0-221
TRANS-1,2-DICHLOROETHENE	20.	21.		105.0	54-156
1,1-DICHLOROETHANE	20.	20.		100.0	59-155
VINYL ACETATE	20.	24.		120.0	57-131
CIS-1,2-DICHLOROETHENE	20.	17.		85.0	54-156
METHYL ETHYL KETONE (MEK)	20.	21.		105.0	61-145
CHLOROFORM	20.	19.		95.0	51-138
1,1,1-TRICHLOROETHANE	20.	21.		105.0	52-162
1,2-DICHLOROETHANE	20.	21.		105.0	80-120
CARBON TETRACHLORIDE	20.	22.		110.0	86-118
BENZENE	20.	20.		100.0	49-155
TRICHLOROETHENE	20.	20.		100.0	70-140

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

Client ID

REFERENCE STANDARD

SP1

Lab Name: QST

SDG No: G90413

Lab Sample ID: SP1*NONE*1

Date Analyzed: 04/29/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
1,2-DICHLOROPROPANE	20.	20.		100.0	78-124
BROMODICHLOROMETHANE	20.	22.		110.0	77-127
CIS-1,3-DICHLOROPROPENE	20.	21.		105.0	0-210
METHYL ISOBUTYL KETONE	20.	22.		110.0	35-155
TOLUENE	20.	20.		100.0	0-227
TRANS-1,3-DICHLOROPROPENE	20.	21.		105.0	50-146
1,1,2-TRICHLOROETHANE	20.	20.		100.0	88-110
TETRACHLOROETHENE	20.	15.	*	75.0	79-127
2-HEXANONE (MBK)	20.	23.		115.0	17-183
DIBROMOCHLOROMETHANE	20.	21.		105.0	52-150
CHLOROBENZENE	20.	20.		100.0	86-115
ETHYLBENZENE	20.	20.		100.0	64-148
XYLENES,TOTAL	20.	20.		100.0	100-182
STYRENE	20.	18.		90.0	53-149
BROMOFORM	20.	23.		115.0	85-125
1,1,2,2-TETRACHLOROETHANE	20.	23.	*	115.0	77-111

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

FORM 1
ANALYSIS DATA SHEET

Client ID

SP1

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*1

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1255 Date Analyzed: 04/29/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	22.	
75-01-4	VINYL CHLORIDE	22.	
74-83-9	BROMOMETHANE	19.	
75-00-3	CHLOROETHANE	31.	
75-35-4	1,1-DICHLOROETHYLENE	22.	
67-64-1	ACETONE	26.	
75-15-0	CARBON DISULFIDE	22.	
75-09-2	METHYLENE CHLORIDE	22.	
156-60-5	TRANS-1,2-DICHLOROETHENE	21.	
75-34-3	1,1-DICHLOROETHANE	20.	
108-05-4	VINYL ACETATE	24.	
156-59-2	CIS-1,2-DICHLOROETHENE	17.	
78-93-3	METHYL ETHYL KETONE (MEK)	21.	
67-66-3	CHLOROFORM	19.	
71-55-6	1,1,1-TRICHLOROETHANE	21.	
107-06-2	1,2-DICHLOROETHANE	21.	
56-23-5	CARBON TETRACHLORIDE	22.	
71-43-2	BENZENE	20.	
79-01-6	TRICHLOROETHENE	20.	
78-87-5	1,2-DICHLOROPROPANE	20.	
75-27-4	BROMODICHLOROMETHANE	22.	
10061-01-5	CIS-1,3-DICHLOROPROPENE	21.	
108-10-1	METHYL ISOBUTYL KETONE	22.	
108-88-3	TOLUENE	20.	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	21.	
79-00-5	1,1,2-TRICHLOROETHANE	20.	
127-18-4	TETRACHLOROETHENE	15.	
591-78-6	2-HEXANONE (MBK)	23.	
124-48-1	DIBROMOCHLOROMETHANE	21.	
108-90-7	CHLOROBENZENE	20.	
100-41-4	ETHYLBENZENE	20.	
1330-20-7	XYLENES,TOTAL	20.	
100-42-5	STYRENE	18.	
75-25-2	BROMOFORM	23.	
79-34-5	1,1,2,2-TETRACHLOROETHANE	23.	

Client ID

REFERENCE STANDARD

SP2

Lab Name: QST

SDG No: G90413

Lab Sample ID: SP1*NONE*2

Date Analyzed: 04/30/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
CHLOROMETHANE	20.	24.		120.0	0-273
VINYL CHLORIDE	20.	18.		90.0	0-251
BROMOMETHANE	20.	18.		90.0	0-242
CHLOROETHANE	20.	29.	*	145.0	30-130
1,1-DICHLOROETHYLENE	20.	18.		90.0	56-144
ACETONE	20.	25.		125.0	56-162
CARBON DISULFIDE	20.	20.		100.0	81-109
METHYLENE CHLORIDE	20.	21.		105.0	0-221
TRANS-1,2-DICHLOROETHENE	20.	21.		105.0	54-156
1,1-DICHLOROETHANE	20.	22.		110.0	59-155
VINYL ACETATE	20.	24.		120.0	57-131
CIS-1,2-DICHLOROETHENE	20.	18.		90.0	54-156
METHYL ETHYL KETONE (MEK)	20.	23.		115.0	61-145
CHLOROFORM	20.	20.		100.0	51-138
1,1,1-TRICHLOROETHANE	20.	19.		95.0	52-162
1,2-DICHLOROETHANE	20.	20.		100.0	80-120
CARBON TETRACHLORIDE	20.	16.	*	80.0	86-118
BENZENE	20.	19.		95.0	49-155
TRICHLOROETHENE	20.	17.		85.0	70-140

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

Client ID

REFERENCE STANDARD

SP2

Lab Name: QST

SDG No: G90413

Lab Sample ID: SP1*NONE*2

Date Analyzed: 04/30/98

Instrument ID: VOA8

Analyte	True (UG/L)	Found (UG/L)	#	%Recv	Limits %
1,2-DICHLOROPROPANE	20.	19.		95.0	78-124
BROMODICHLOROMETHANE	20.	21.		105.0	77-127
CIS-1,3-DICHLOROPROPENE	20.	20.		100.0	0-210
METHYL ISOBUTYL KETONE	20.	19.		95.0	35-155
TOLUENE	20.	18.		90.0	0-227
TRANS-1,3-DICHLOROPROPENE	20.	19.		95.0	50-146
1,1,2-TRICHLOROETHANE	20.	19.		95.0	88-110
TETRACHLOROETHENE	20.	13.	*	65.0	79-127
2-HEXANONE (MBK)	20.	20.		100.0	17-183
DIBROMOCHLOROMETHANE	20.	20.		100.0	52-150
CHLOROBENZENE	20.	19.		95.0	86-115
ETHYLBENZENE	20.	18.		90.0	64-148
XYLENES,TOTAL	20.	17.	*	85.0	100-182
STYRENE	20.	16.		80.0	53-149
BROMOFORM	20.	21.		105.0	85-125
1,1,2,2-TETRACHLOROETHANE	20.	22.		110.0	77-111

Column to be used to flag recovery outside of QC limits
* Values outside of QC limits

Comments:

FORM V QST

FORM 1
ANALYSIS DATA SHEET

Client ID

SP2

Lab Name: QST Project No.: 1298524 SDG No.: G90413

Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*2

Sample wt/vol: . Lab File ID: G90413

%Moisture: 0.0 Dilution Factor: 1.00

Concentrated Extract Volume: Date Received: 00/00/00

Injection Volume: Date Extracted:

Time Analyzed: 1425 Date Analyzed: 04/30/98

CAS NO.	COMPOUND	CONCENTRATION UNITS UG/L	Q
74-87-3	CHLOROMETHANE	24.	
75-01-4	VINYL CHLORIDE	18.	
74-83-9	BROMOMETHANE	18.	
75-00-3	CHLOROETHANE	29.	
75-35-4	1,1-DICHLOROETHYLENE	18.	
67-64-1	ACETONE	28.	
75-15-0	CARBON DISULFIDE	20.	
75-09-2	METHYLENE CHLORIDE	23.	
156-60-5	TRANS-1,2-DICHLOROETHENE	21.	
75-34-3	1,1-DICHLOROETHANE	22.	
108-05-4	VINYL ACETATE	24.	
156-59-2	CIS-1,2-DICHLOROETHENE	18.	
78-93-3	METHYL ETHYL KETONE (MEK)	23.	
67-66-3	CHLOROFORM	20.	
71-55-6	1,1,1-TRICHLOROETHANE	19.	
107-06-2	1,2-DICHLOROETHANE	20.	
56-23-5	CARBON TETRACHLORIDE	16.	
71-43-2	BENZENE	19.	
79-01-6	TRICHLOROETHENE	17.	
78-87-5	1,2-DICHLOROPROPANE	19.	
75-27-4	BROMODICHLOROMETHANE	21.	
10061-01-5	CIS-1,3-DICHLOROPROPENE	20.	
108-10-1	METHYL ISOBUTYL KETONE	19.	
108-88-3	TOLUENE	18.	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	19.	
79-00-5	1,1,2-TRICHLOROETHANE	19.	
127-18-4	TETRACHLOROETHENE	13.	
591-78-6	2-HEXANONE (MBK)	20.	J
124-48-1	DIBROMOCHLOROMETHANE	20.	
108-90-7	CHLOROBENZENE	19.	
100-41-4	ETHYLBENZENE	18.	
1330-20-7	XYLENES,TOTAL	17.	
100-42-5	STYRENE	16.	
75-25-2	BROMOFORM	21.	
79-34-5	1,1,2,2-TETRACHLOROETHANE	22.	

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90413

Analyte: 1,2-DICHLOROETHANE-D(4)(8260 Limits: 80 - 120

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90413	106
SP1	SP1*NONE*1	G90413	110
XXXXMS	SPM1*XXXX*8	G90413	102
XXXXMSD	SPM2*XXXX*8	G90413	96
BLK2	MB*STORAGE*1	G90413	98
BLK3	MB*NONE*2	G90413	110
SP2	SP1*NONE*2	G90413	100
TB-01	TLCEDW1*12	G90413	112
TB-02	TLCEDW1*13	G90413	106

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90413

Analyte: DIBROMOFLUOROMETHANE (8260) Limits: 86 - 118

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90413	100
SP1	SP1*NONE*1	G90413	106
XXXXMS	SPM1*XXXX*8	G90413	98
XXXXMSD	SPM2*XXXX*8	G90413	96
BLK2	MB*STORAGE*1	G90413	96
BLK3	MB*NONE*2	G90413	102
SP2	SP1*NONE*2	G90413	94
TB-01	TLCEDW1*12	G90413	108
TB-02	TLCEDW1*13	G90413	102

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90413

Analyte: TOLUENE-D8 (8260) Limits: 88 - 110

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90413	104
SP1	SP1*NONE*1	G90413	110
XXXXMS	SPM1*XXXX*8	G90413	102
XXXXMSD	SPM2*XXXX*8	G90413	102
BLK2	MB*STORAGE*1	G90413	100
BLK3	MB*NONE*2	G90413	100
SP2	SP1*NONE*2	G90413	98
TB-01	TLCEDW1*12	G90413	110
TB-02	TLCEDW1*13	G90413	98

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

SURROGATE RECOVERIES

Lab Name: QST Contract: 1298524 SDG No.: G90413

Analyte: BROMOFLUOROBENZENE (8260) Limits: 86 - 115

Client Sample ID	LAB Sample ID	Batch	Recv #
BLK1	MB*NONE*1	G90413	102
SP1	SP1*NONE*1	G90413	108
XXXXMS	SPM1*XXXX*8	G90413	98
XXXXMSD	SPM2*XXXX*8	G90413	96
BLK2	MB*STORAGE*1	G90413	94
BLK3	MB*NONE*2	G90413	100
SP2	SP1*NONE*2	G90413	96
TB-01	TLCEDW1*12	G90413	102
TB-02	TLCEDW1*13	G90413	92

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM VI QST

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90413
Lab File ID: G90413 Date Analyzed: 04/29/98
Instrument ID: Time Analyzed: 1127
Matrix: WATER Lab Samp ID: CCS*50STD*1

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	622125	6.90	1152884	8.02	1020222	12.73
	UPPER LIMIT	1244250	7.40	2305768	8.52	2040444	13.23
	LOWER LIMIT	311063	6.40	576442	7.52	510111	12.23
	EPA SAMPLE No.						
01	MB_NONE_1	666051	6.90	1260791	8.02	1092290	12.73
02	SP1_NONE_1	665004	6.91	1204115	8.03	1044177	12.73
03	TLVW_8	649705	6.91	1212129	8.03	1042970	12.73
04	TLVW_1	616030	6.92	1150149	8.03	1001361	12.73
05	SPM1_TLVW_8	582145	6.91	1095689	8.03	959809	12.74
06	SPM2_TLVW_8	599967	6.92	1181266	8.03	1045158	12.74
07	TLVW_2	486741	6.92	998096	8.03	901666	12.74
08	TLVW_3	517692	6.92	1070541	8.03	916779	12.74
09	TLVW_5	558805	6.92	1111145	8.04	997372	12.74
10	TLVW_6	555128	6.92	1058813	8.03	902749	12.74
11	TLVW_7	464514	6.92	887297	8.03	767342	12.74
12	TLVW_9	519625	6.91	1022022	8.03	905520	12.74
13	MB_STORAGE_1	469207	6.92	954331	8.03	834350	12.74
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = 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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90413
Lab File ID: G90413 Date Analyzed: 04/29/98
Instrument ID: Time Analyzed: 1127
Matrix: WATER Lab Samp ID: CCS*50STD*1

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	525580	16.80				
	UPPER LIMIT	1051160	17.30				
	LOWER LIMIT	262790	16.30				
	EPA SAMPLE No.						
01	MB_NONE_1	496630	16.80				
02	SP1_NONE_1	481179	16.80				
03	TLVW_8	469450	16.80				
04	TLVW_1	460252	16.80				
05	SPM1_TLVW_8	429812	16.80				
06	SPM2_TLVW_8	465398	16.80				
07	TLVW_2	413535	16.81				
08	TLVW_3	407625	16.81				
09	TLVW_5	451750	16.81				
10	TLVW_6	405857	16.80				
11	TLVW_7	347025	16.81				
12	TLVW_9	407858	16.80				
13	MB_STORAGE_1	376554	16.81				
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 = 1,4-DICHLOROBENZENE-D4
IS5 =
IS6 =

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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90413
Lab File ID: G90413 Date Analyzed: 04/30/98
Instrument ID: Time Analyzed: 1258
Matrix: WATER Lab Samp ID: CCS*50STD*2

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	534369	6.91	1036687	8.03	934236	12.75
	UPPER LIMIT	1068738	7.41	2073374	8.53	1868472	13.25
	LOWER LIMIT	267185	6.41	518344	7.53	467118	12.25
	EPA SAMPLE No.						
01	MB_NONE_2	478784	6.92	999434	8.03	877888	12.75
02	SP1_NONE_2	548891	6.93	1107697	8.04	972538	12.75
03	TLVW_4	493176	6.93	1063263	8.04	942146	12.75
04	TLCEDW1_12	465674	6.90	842587	8.02	718470	12.74
05	TLCEDW1_13	431844	6.91	787344	8.03	681530	12.74
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = 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.

INTERNAL STANDARD AREA SUMMARY

Lab name: QST Contract: 1298524
Lab Code: QST Case No.: NA SAS No.: NA SDG No.: G90413
Lab File ID: G90413 Date Analyzed: 04/30/98
Instrument ID: Time Analyzed: 1258
Matrix: WATER Lab Samp ID: CCS*50STD*2

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	503320	16.81				
	UPPER LIMIT	1006640	17.31				
	LOWER LIMIT	251660	16.31				
	EPA SAMPLE No.						
01	MB_NONE_2	407849	16.81				
02	SP1_NONE_2	443871	16.81				
03	TLVW_4	430527	16.82				
04	TLCEDW1_12	333698	16.81				
05	TLCEDW1_13	311987	16.81				
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 = 1,4-DICHLOROBENZENE-D4
IS5 =
IS6 =

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.

Raw Data

SOP# GLM 1241-006

Qst Environmental Laboratory GC/MS Instrument Logsheet

REV# 2 DATE 06/17/97

Project Name 8260 Std Curve Instrument ID VOA8 GC Program 35°C t=4min to 180°C at 8°C/min

Date	4/17/98
Operator	WSK
Mass Range	35:500
Threshold	100
Scan Delay	0.9
Tape Date	
Column	DB624 20m/0.18
A/D	2.3
E.M.	2553
SURR	SSWSR21CB
Int Std	IS82634CE
Standard	Freon-1,1,3 1487-78-1 VSBM13CB
CAL File	W8260ALL
ID File	W8260ALL
ID File Units	µg/L
Data Uploaded	
Upload Name	
Data Sign	

FRN	Sample ID	Purge Vol	Als Pos	Dil Fact	Comments	Sample check
03547	BFB 50ng inj	—	—	—	(168, 169, 170) - 163	—
03548	VSTD 50	5.0	9	1.0	5µl/50	—
03549	VSTD 10		10		data not used, standards prepared improperly	—
03550	VSTD 20		11			—
03551	VSTD 50		12			—
03552	VSTD 10		13		1.0µl/50	—
03553	VSTD 20		14		2.0µl/50	—
03554	VSTD 50		15		5µl/50	—
03555	VSTD 100		16		10µl/50	—
03556	VSTD 200		1		20µl/50	—
03557	System blank	5.0	2	1.0		—

Book# 1571

[signature] 4/17/98
Signed/Date

Read and Understood By
Daniel C. Luson 04.17.98
Signed/Date

F:/admin/common/forms/1241/voalnd.xls

000441

00020

SOP# GLM 1241-006

Qst Environmental Laboratory GC/MS Instrument Logsheet

REV# 2 DATE 6/17/97

Project Name WHSR/Tech Law 8260 Waters Instrument ID VOA4 GC Program 35°t=4min to 180°C @8°C/min

Date	04/29/98
Operator	GL
Mass Range	35-300
Threshold	100
Scan Delay	0.9
Tape Date	
Column	DB624 20m/0.18
A/D	23
E.M.	2553 V
SURR	SSWSR21*B
Int Std	IS8268*B
Standard	VSBM14*C
CAL File	W8260ALL
ID File	W8260ALL
ID File Units	US/L
Data Uploaded	05/07/98
Upload Name	04_29.98.UPL
Data Sign	05/07/98

FRN	Sample ID	Purge Vol	Als Pos	Dil Fact	Comments	Sample check
03618	BFB 50ng inj	—	—	—	(169-171)/3 -162 1106hrs	✓
03619	VSTD50	5ml	9	1.0	5ml/50	✓
03620	MB*NONE*1	5ml	10	1.0		✓
03621	SPI*NONE*1	5ml	11	1.0	CLPVS111*C	✓
03622	TRP5*20	5ml	12	1.0		✓
03623	TLVW*8	5ml	13	1.0		✓
03624	TLVW*1	5ml	14	1.0		✓
03625	SPM1*TLVW*8	5ml	15	1.0	MATSPK 30*A	✓
03626	SPM2*TLVW*8	5ml	16	1.0	↓	✓
03627	TLVW*2	5ml	1	1.0		✓
03628	TLVW*3	5ml	2	1.0		✓
03629	TLVW*4	5ml	3	1.0	LOW SURR TOLD 86.5%	✓
03630	TLVW*5	5ml	4	1.0	Need 200X at least TCE saturated	✓
03631	TLVW*6	5ml	5	1.0	Need 20x	✓
03632	TLVW*7	5ml	6	1.0	Need 20x	✓
03633	TLVW*9	5ml	7	1.0		✓
03634	MB*STORAGE*1	5ml	8	1.0		✓

PT
LL

IS8268*B → IS8263*B

04/30/98

Book# 1571

Signed/Date 04/30/98

Read and Understood By

Signed/Date 5/7/98

F:/admin/common/forms/1241/voalnd.xls

000442

00024

SOP# GLM 1241006

Qst Environmental Laboratory GC/MS Instrument Logsheet

REV# 2 DATE 6/17/97

Project Name Tech Law 8260 Water Instrument ID VOA8 GC Program 35°f = 4min to 180°C @ 8°C/min

Date 4/30/98
Operator GGL
Mass Range 35-300
Threshold 100
Scan Delay 0.9
Tape Date
Column DB 624 20m/0.18
A/D 23
E.M. 2553 V
SURR SSWSR21*B
Int Std IS8263G*B
Standard VSBM14*C
CAL File W8260ALL
ID File W8260ALL
ID File Units US/L
Data Uploaded 05/07/98
Upload Name 04_29_98.VPL
Data Sign 05/07/98

FRN	Sample ID	Purge Vol	Als Pos	Dil Fact	Comments	Sample check
03635	BFB	—	—	—	(170-172/3)-159	✓
03636	VSTD50	5ml	9	1.0	5ml/50	✓
03637	MB*NONE*1	5ml	10	1.0		✓
03638	SP1*NONE*1	5ml	11	1.0	CLPM15111*C	✓
03639	TLVW*4	25ml	12	1.0		✓
03640	TLVW*5	25ml	13	200		✓
03641	TLVW*6	250ml	14	20		✓
03642	TLVW*7	250ml	15	20		✓
03643	TLEEDW1*12	5ml	16	1.0		✓
03644	TLCEDW1*13	5ml	1	1.0		✓

04/30/98

Book# 1571

Signed/Date

Read and Understood By

5/2/98

Signed/Date

F:/admin/common/forms/1241/voalnd.xls

00025

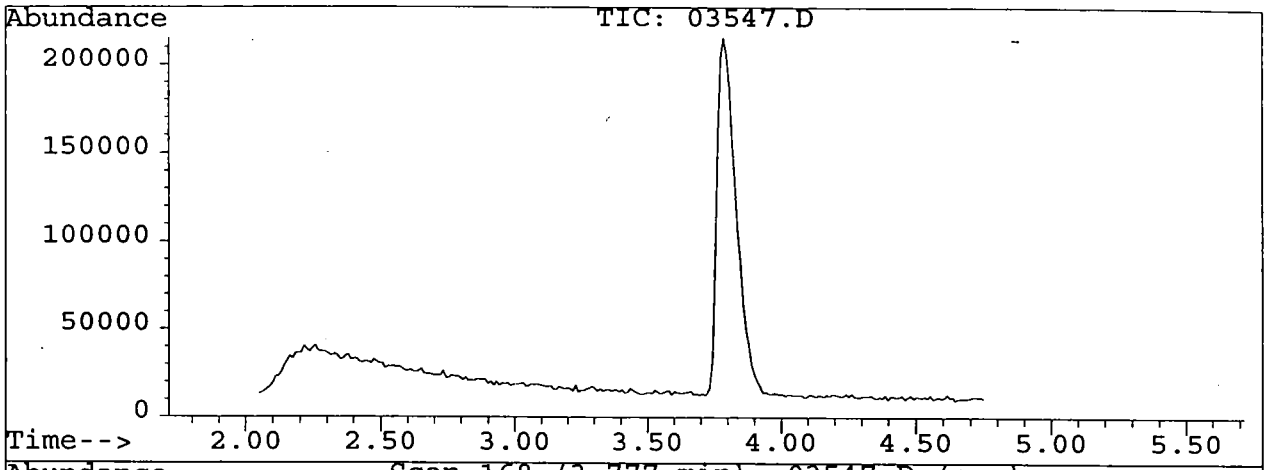
000443

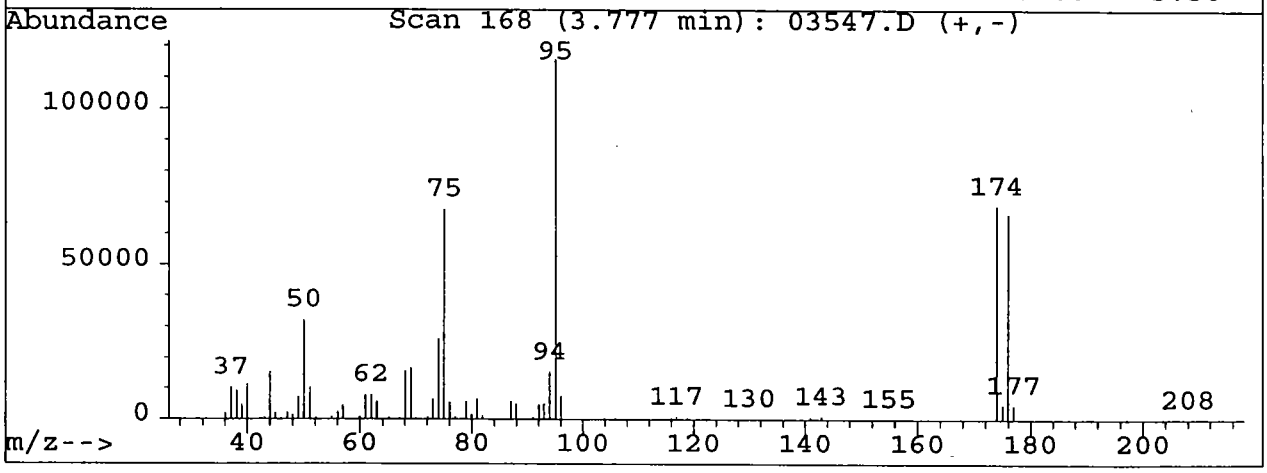
BFB 3/90

Data File : C:\HPCHEM\1\DATA\04_17_98\03547.D
Acq On : 17 Apr 98 9:14 am
Sample : BFB 50NG INJ
Misc :

Vial: 1
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB90.M
Title :





Peak Apex is scan: 162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.9	32292	PASS
75	95	30	66	58.6	67888	PASS
95	95	100	100	100.0	115792	PASS
96	95	5	9	6.4	7431	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	59.7	69184	PASS
175	174	4	9	7.1	4896	PASS
176	174	93	101	96.4	66720	PASS
177	176	5	9	7.0	4657	PASS

03547.D BFB90.M Fri Apr 17 15:06:54 1998 RP1

Scan 168 (3.777 min): 03547.D

Modified:added subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1947	47.05	2045	57.80	156	68.05	15671
37.05	10375	48.00	1403	58.10	203	69.05	16658
38.10	9239	49.00	7163	59.90	681	69.95	524
39.00	4531	50.00	32292	60.05	897	70.15	340
40.00	11249	51.05	10245	61.00	7736	72.10	820
42.00	111	52.10	586	62.00	7964	73.05	6552
43.10	734	53.00	242	63.00	5644	74.05	26268
44.00	15415	53.90	196	63.90	304	75.05	67888
45.00	2161	54.95	984	64.05	310	76.05	5416
46.00	199	56.05	2392	65.10	586	77.05	942
46.30	113	56.95	4491	67.00	613	78.00	439

Scan 168 (3.777 min): 03547.D

Modified:added subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.95	5675	94.00	15398	117.90	415	160.90	116
79.90	1526	95.05	115792	118.90	627	169.65	108
80.90	6611	96.05	7431	127.90	138	171.65	150
81.90	1206	96.95	125	129.90	282	171.95	133
86.05	162	103.90	589	134.90	257	172.25	178
87.00	5927	105.85	623	136.90	155	172.55	142
87.90	4969	106.75	102	140.90	741	173.95	69184
90.55	136	112.90	262	142.90	1033	174.95	4896
91.00	700	114.85	104	146.90	164	175.95	66720
92.00	4683	116.00	453	147.95	253	176.95	4657
92.95	4929	116.90	928	155.00	276	207.05	110

Scan 168 (3.777 min): 03547.D

Modified:added subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
208.05	114						

Response Factor Report VOA8

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Initial Calibration

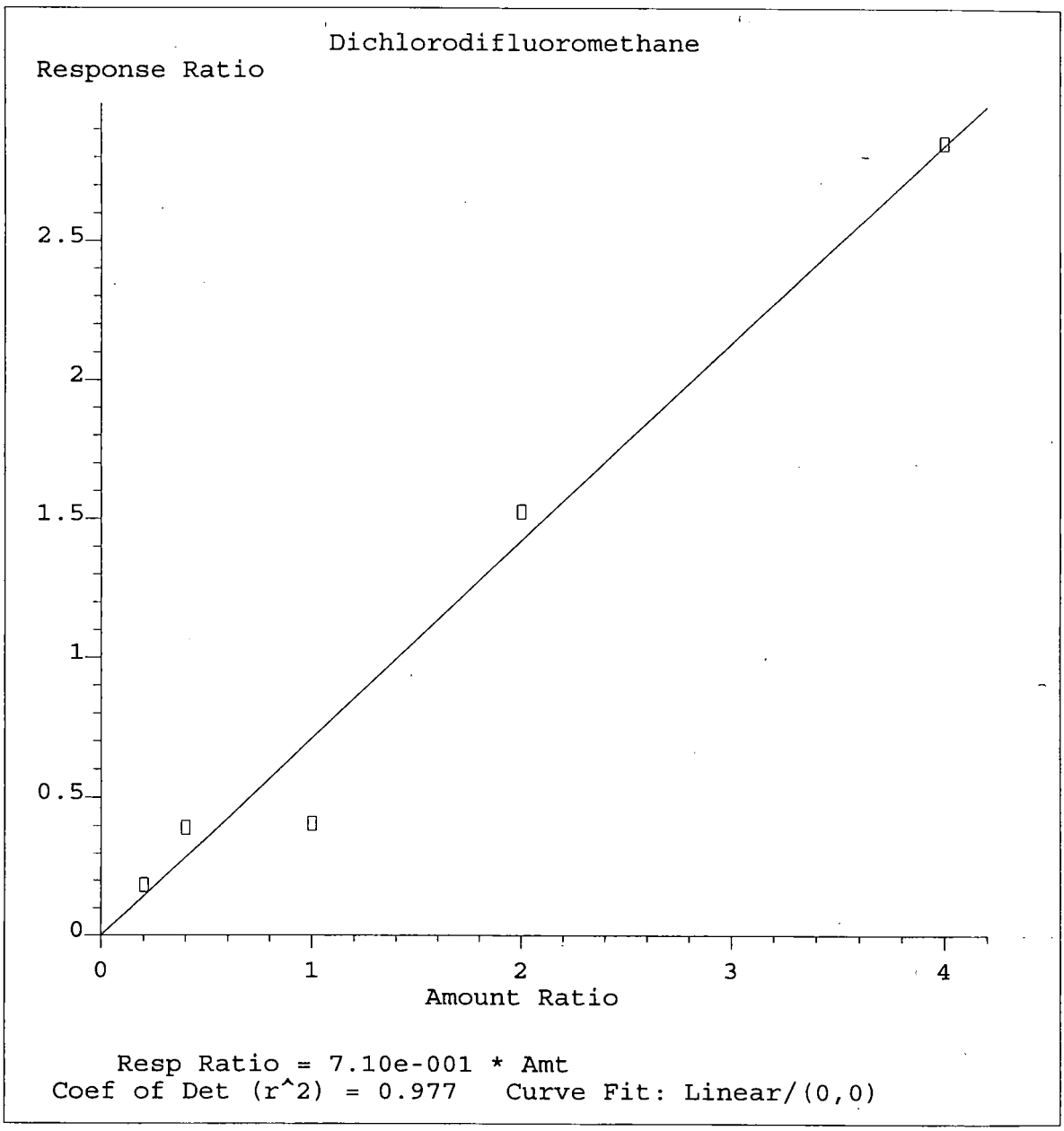
Calibration Files
10 =03552.D 20 =03553.D 50 =03554.D
100 =03555.D 200 =03556.D

		Compound	10	20	50	100	200	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluorometha	0.917	0.981	0.408	0.763	0.713	0.756	29.53
3)	TP	Chloromethane	1.152	1.052	0.965	0.869	0.903	0.988	11.64#
4)	TC	Vinyl Chloride	1.052	1.055	0.805	0.809	0.809	0.906	14.86
5)	T	Bromomethane	1.416	1.286	1.162	0.903	0.780	1.109	23.82
6)	T	Chloroethane	0.759	0.791	0.760	0.521	0.436	0.653	24.90
7)	T	Trichlorofluoromethan	1.124	1.211	0.697	1.069	1.126	1.046	19.25
8)	TC	1,1-Dichloroethene	0.615	0.642	0.510	0.558	0.585	0.582	8.77
9)	T	Acrolein	0.129	0.132	0.112	0.115	0.128	0.123	7.38
10)	T	Iodomethane	0.616	0.777	0.765	0.726	0.665	0.710	9.60
11)	T	Acetone	0.313	0.552	0.210	0.193	0.200	0.293	51.90
12)	T	Carbon Disulfide	2.601	2.639	2.266	2.284	2.309	2.420	7.60
13)	T	Acetonitrile	0.255	0.257	0.231	0.224	0.237	0.241	6.10
14)	T	3-Chloropropene	0.482	0.472	0.436	0.420	0.435	0.449	5.95
15)	T	112-Trichl-122-Trifl-	0.603	0.591	0.419	0.603	0.597	0.563	14.26
16)	T	Methylene Chloride	0.845	0.906	0.815	0.759	0.766	0.818	7.41
17)	T	Acrylonitrile	0.226	0.218	0.190	0.192	0.226	0.210	8.59
18)	T	trans-1,2-Dichloroeth	0.685	0.696	0.618	0.616	0.663	0.655	5.68
19)	TP	1,1-Dichloroethane	1.447	1.429	1.340	1.244	1.302	1.352	6.32#
20)	T	Chloroprene	1.292	1.414	1.242	1.332	1.316	1.319	4.79
21)	T	Vinyl Acetate	0.781	1.230	1.205	1.231	1.339	1.157	18.74
22)	T	2,2-Dichloropropane	1.099	1.151	1.069	1.083	1.120	1.104	2.93
23)	T	cis-1,2-Dichloroethen	1.325	1.356	1.291	1.283	1.308	1.312	2.21
24)	T	2-Butanone	0.078	0.074	0.062	0.064	0.065	0.069	10.32
25)	T	Propionitrile	0.085	0.085	0.072	0.076	0.086	0.081	7.75
26)	T	Bromochloromethane	0.336	0.366	0.338	0.334	0.354	0.346	4.02
27)	T	Methacrylonitrile	0.528	0.560	0.489	0.486	0.543	0.521	6.27
28)	TC	Chloroform	1.582	1.444	1.355	1.344	1.338	1.413	7.34
29)	T	1,1,1-Trichloroethane	1.013	1.070	0.939	0.999	1.038	1.012	4.83
30)	I	1,4-Difluorobenzene	----------ISTD----------						
31)	S	1,2-Dichloroethane-d4	0.461	0.463	0.427	0.439	0.459	0.450	3.58
32)	S	Dibromofluoromethane	0.296	0.318	0.299	0.327	0.345	0.317	6.42
33)	T	Isobutanol	0.012	0.012	0.011	0.012	0.014	0.012	8.37
34)	T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.003	0.003	13.36
35)	T	1,2-Dichloroethane	0.579	0.604	0.583	0.578	0.611	0.591	2.58
36)	T	Carbon Tetrachloride	0.401	0.431	0.354	0.425	0.448	0.412	8.84
37)	T	1,1-Dichloropropene	0.571	0.603	0.522	0.600	0.622	0.584	6.69
38)	T	Benzene	1.615	1.667	1.703	1.708	1.773	1.693	3.43
39)	T	Trichloroethene	0.345	0.327	0.310	0.328	0.357	0.333	5.49
40)	T	Dibromomethane	0.223	0.222	0.204	0.206	0.227	0.216	4.88
41)	TC	1,2-Dichloropropane	0.435	0.443	0.424	0.426	0.459	0.438	3.30
42)	T	Methyl Methacrylate	0.206	0.209	0.197	0.207	0.245	0.213	8.72
43)	T	Bromodichloromethane	0.538	0.522	0.496	0.492	0.522	0.514	3.77
44)	T	2-Chloroethyl-vinyl-e	0.0	0.000	0.000	0.000	0.000	0.000	0.00
45)	T	cis-1,3-Dichloroprope	0.598	0.614	0.600	0.627	0.683	0.624	5.57
46)	T	4-Methyl-2-pentanone	0.319	0.319	0.289	0.318	0.367	0.322	8.65
47)	S	Toluene-d8	1.189	1.276	1.293	1.419	1.382	1.312	6.93
48)	TC	Toluene	1.596	1.696	1.732	1.829	1.895	1.750	6.66

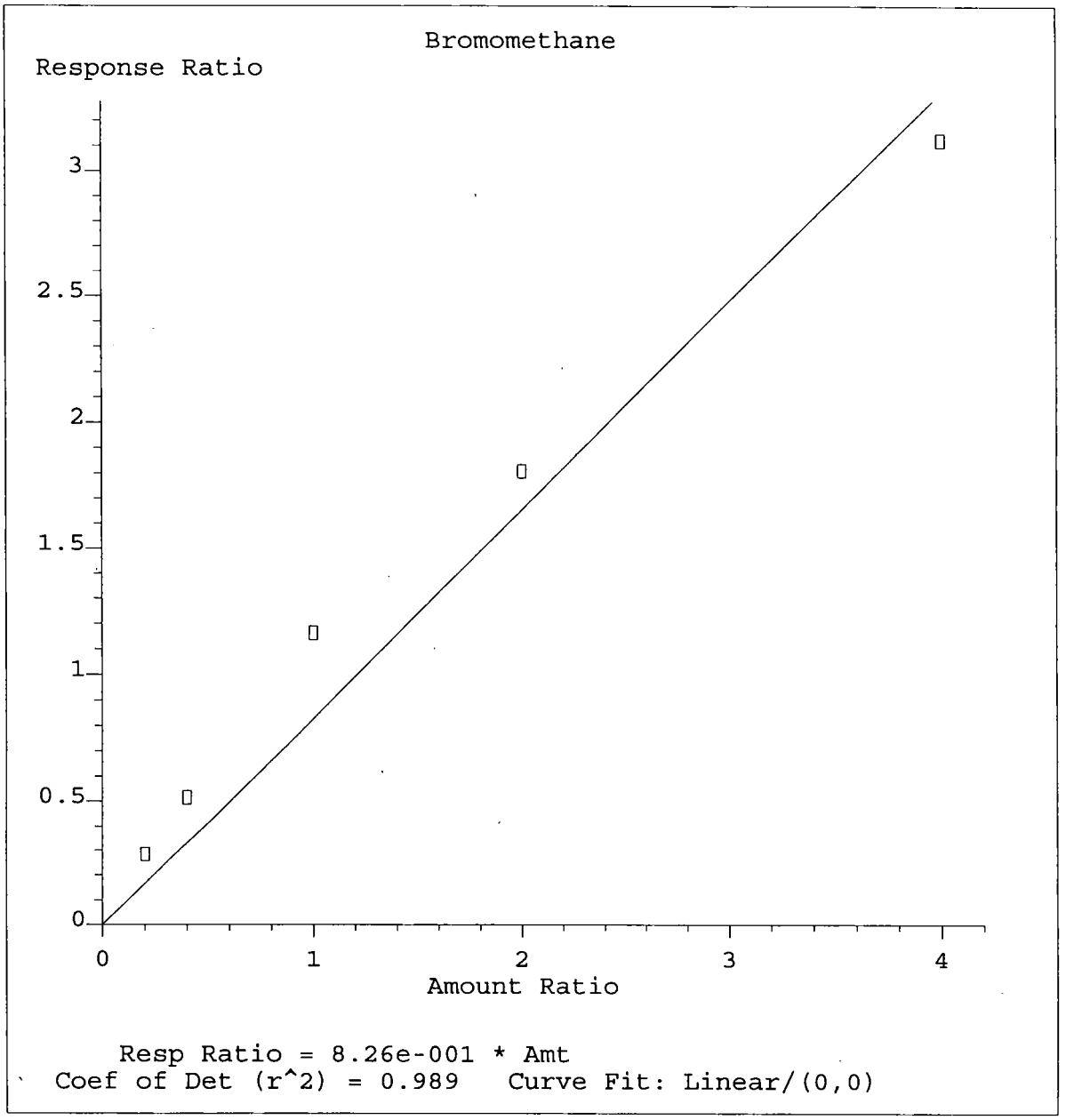
49)	T	trans-1,3-Dichloropro	0.506	0.531	0.518	0.538	0.598	0.538	6.59
50)	T	1,1,2-Trichloroethane	0.275	0.274	0.255	0.272	0.315	0.278	7.91
51)	S	Bromofluorobenzene	0.451	0.472	0.478	0.556	0.523	0.496	8.63
52)	I	Chlorobenzene-d5	----------ISTD----------						
53)	T	Dibromoethane	0.299	0.294	0.273	0.277	0.323	0.293	6.82
54)	T	Ethyl Methacrylate	0.459	0.486	0.465	0.509	0.610	0.506	12.15
55)	T	Tetrachloroethene	0.402	0.347	0.276	0.323	0.387	0.347	14.49
56)	T	1,3-Dichloropropane	0.647	0.652	0.619	0.654	0.741	0.662	6.94
57)	T	2-Hexanone	0.241	0.236	0.215	0.233	0.279	0.241	9.75
58)	T	Dibromochloromethane	0.337	0.331	0.316	0.323	0.362	0.334	5.28
59)	TP	Chlorobenzene	1.032	1.065	1.068	1.083	1.166	1.083	4.63#
60)	T	1,1,1,2-Tetrachloroet	0.314	0.326	0.309	0.322	0.369	0.328	7.30
61)	TC	Ethylbenzene	0.520	0.569	0.573	0.598	0.638	0.580	7.45
62)	T	Meta + Para Xylene	0.692	0.763	0.765	0.827	0.920	0.793	10.74
63)	T	Ortho Xylene	0.635	0.698	0.718	0.765	0.836	0.731	10.30
64)	T	Xylene (total)	0.674	0.742	0.750	0.807	0.892	0.773	10.57
65)	T	Styrene	1.172	1.349	1.360	1.431	1.555	1.374	10.15
66)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
67)	TP	Bromoform	0.393	0.363	0.321	0.329	0.387	0.359	9.18#
68)	T	Isopropylbenzene	3.480	3.652	3.492	3.696	3.873	3.639	4.46
69)	T	Bromobenzene	0.766	0.766	0.734	0.765	0.795	0.765	2.82
70)	TP	1,1,2,2-Tetrachloroet	0.735	0.766	0.651	0.662	0.724	0.708	6.99#
71)	T	1,2,3-Trichloropropan	0.227	0.209	0.177	0.181	0.198	0.198	10.48
72)	T	trans-1,4-dichloro-2-	0.283	0.270	0.244	0.244	0.270	0.262	6.63
73)	T	n-Propylbenzene	4.776	4.974	4.723	4.941	4.952	4.873	2.37
74)	T	2-Chlorotoluene	2.811	2.896	2.825	2.854	2.849	2.847	1.14
75)	T	4-Chlorotoluene	3.252	3.409	3.281	3.364	3.491	3.359	2.88
76)	T	1,3,5-Trimethylbenzen	2.977	3.182	3.047	3.136	3.255	3.119	3.51
77)	T	tert-Butylbenzene	2.289	2.628	2.540	2.725	2.815	2.599	7.77
78)	T	Pentachloroethane	0.121	0.265	0.351	0.356	0.348	0.288	34.90
79)	T	1,2,4-Trimethylbenzen	2.958	3.125	3.050	3.122	3.190	3.089	2.87
80)	T	sec-Butylbenzene	3.695	4.090	3.680	4.118	4.176	3.952	6.16
81)	T	1,3-Dichlorobenzene	1.508	1.511	1.451	1.530	1.559	1.512	2.62
82)	T	p-Isopropyltoluene	3.265	3.466	3.106	3.393	3.627	3.372	5.87
83)	T	1,4-Dichlorobenzene	1.707	1.794	1.664	1.713	1.838	1.743	4.06
84)	T	1,2-Dichlorobenzene	1.321	1.363	1.274	1.334	1.412	1.341	3.80
85)	T	n-Butylbenzene	3.340	3.742	3.394	3.726	3.722	3.585	5.58
86)	T	DBCP	0.149	0.138	0.108	0.110	0.132	0.127	13.76
87)	T	1,2,4-Trichlorobenzen	0.714	0.759	0.707	0.774	0.867	0.764	8.41
88)	T	Hexachlorobutadiene	0.279	0.329	0.272	0.333	0.374	0.317	13.29
89)	T	Naphthalene	1.774	1.724	1.564	1.657	1.875	1.719	6.85
90)	T	1,2,3-Trichlorobenzen	0.655	0.684	0.619	0.657	0.748	0.673	7.15

(#) = Out of Range

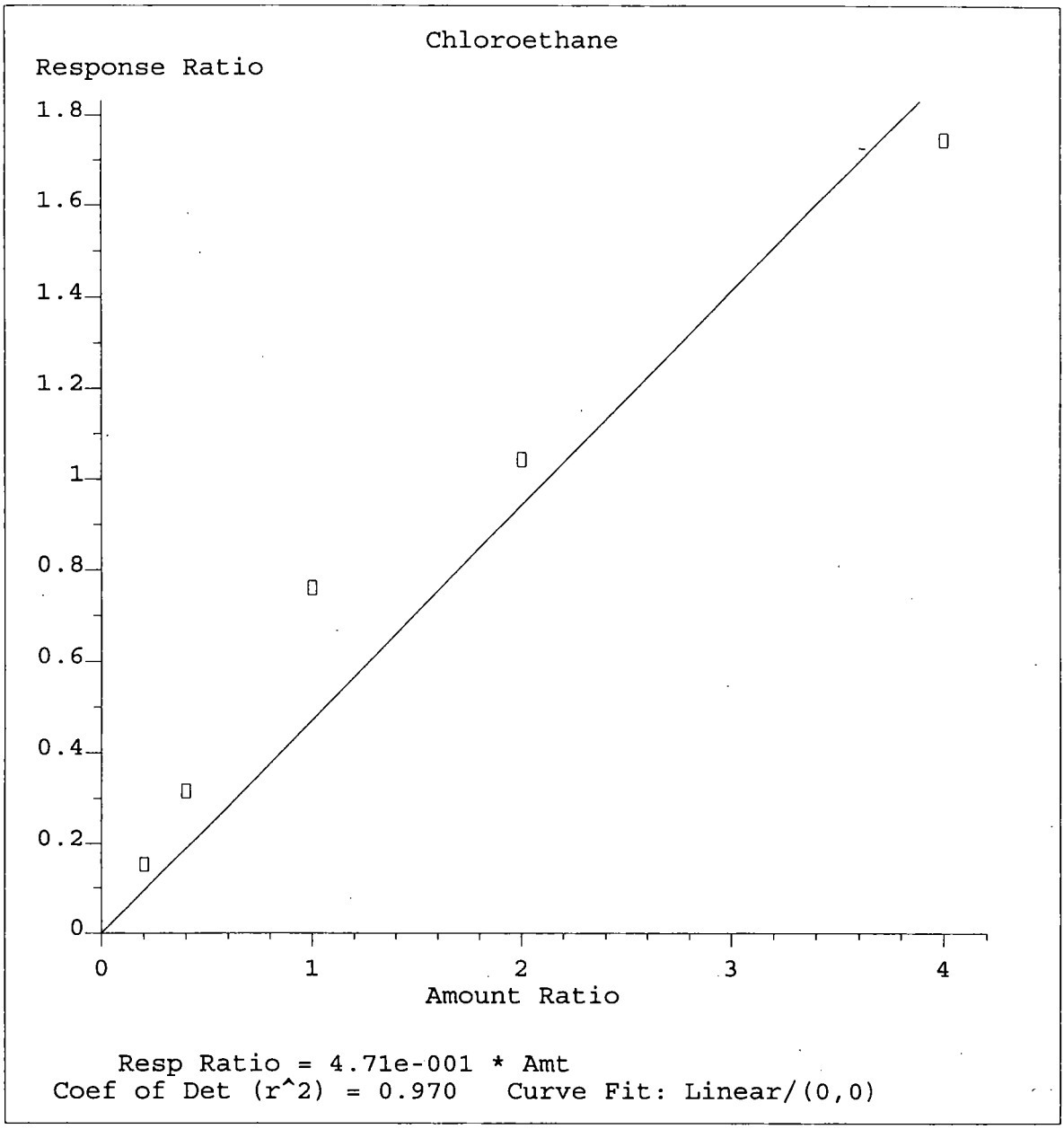
W8260ALL.M Fri Apr 24 14:20:19 1998 RP1



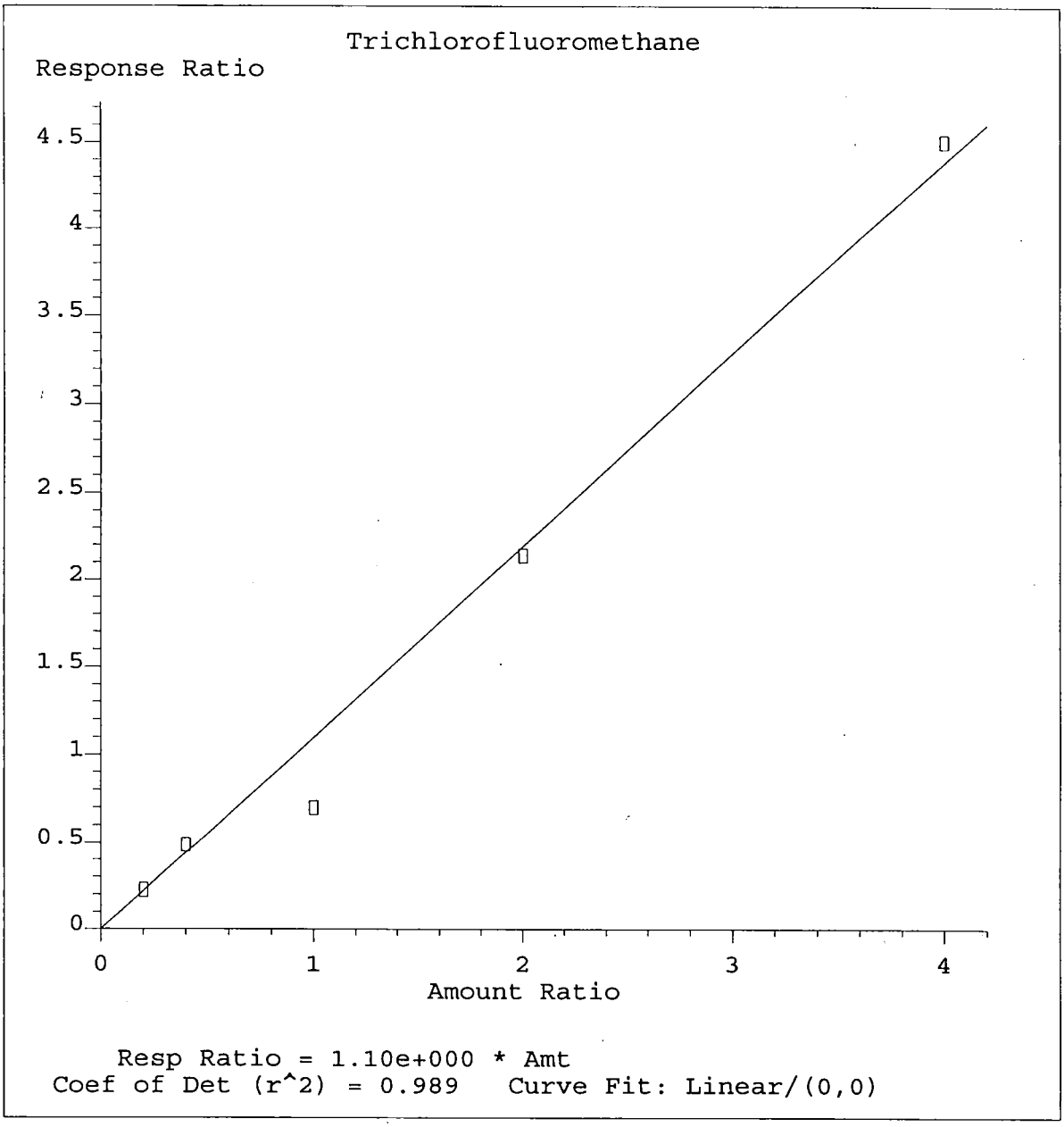
Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



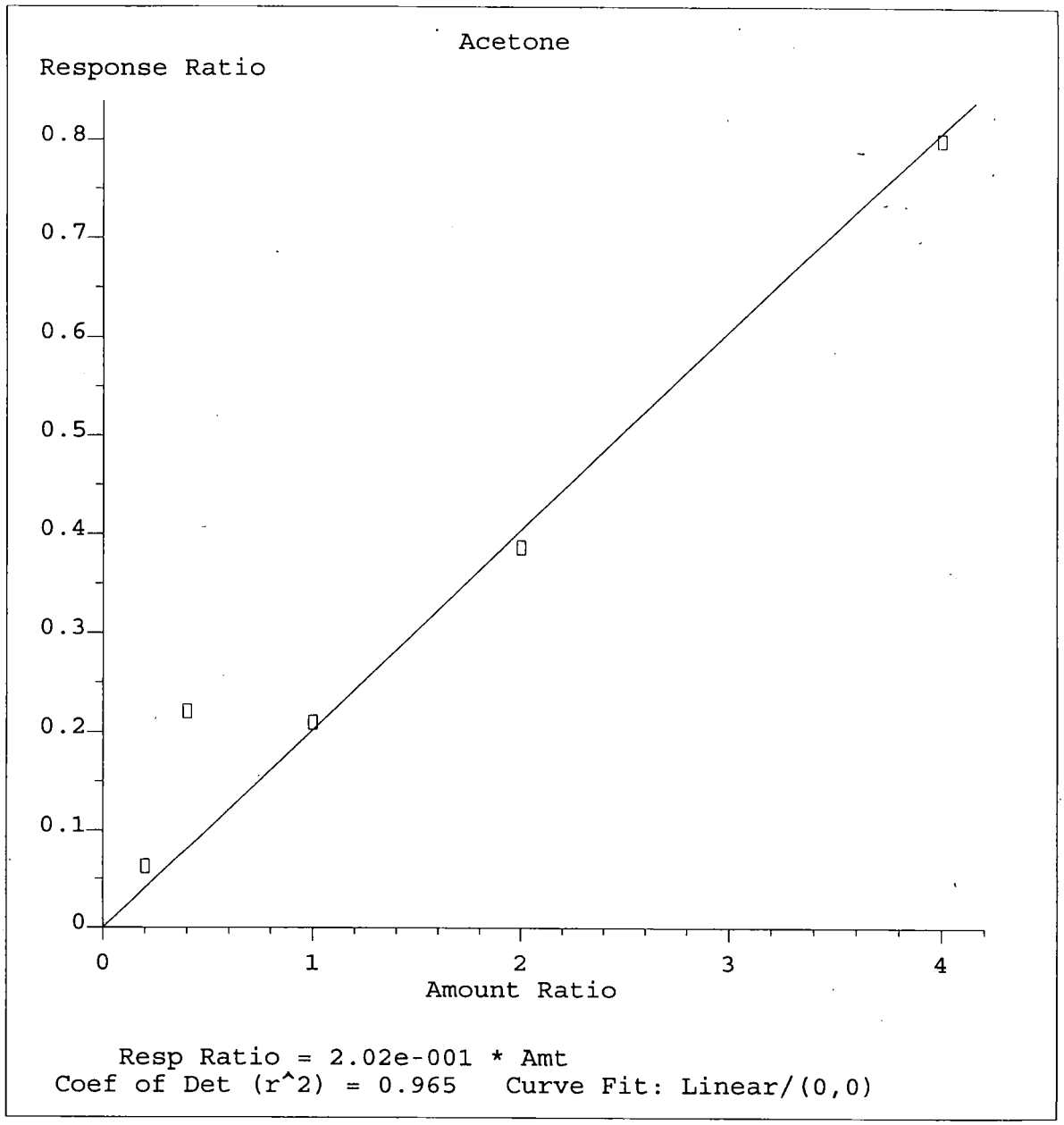
Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



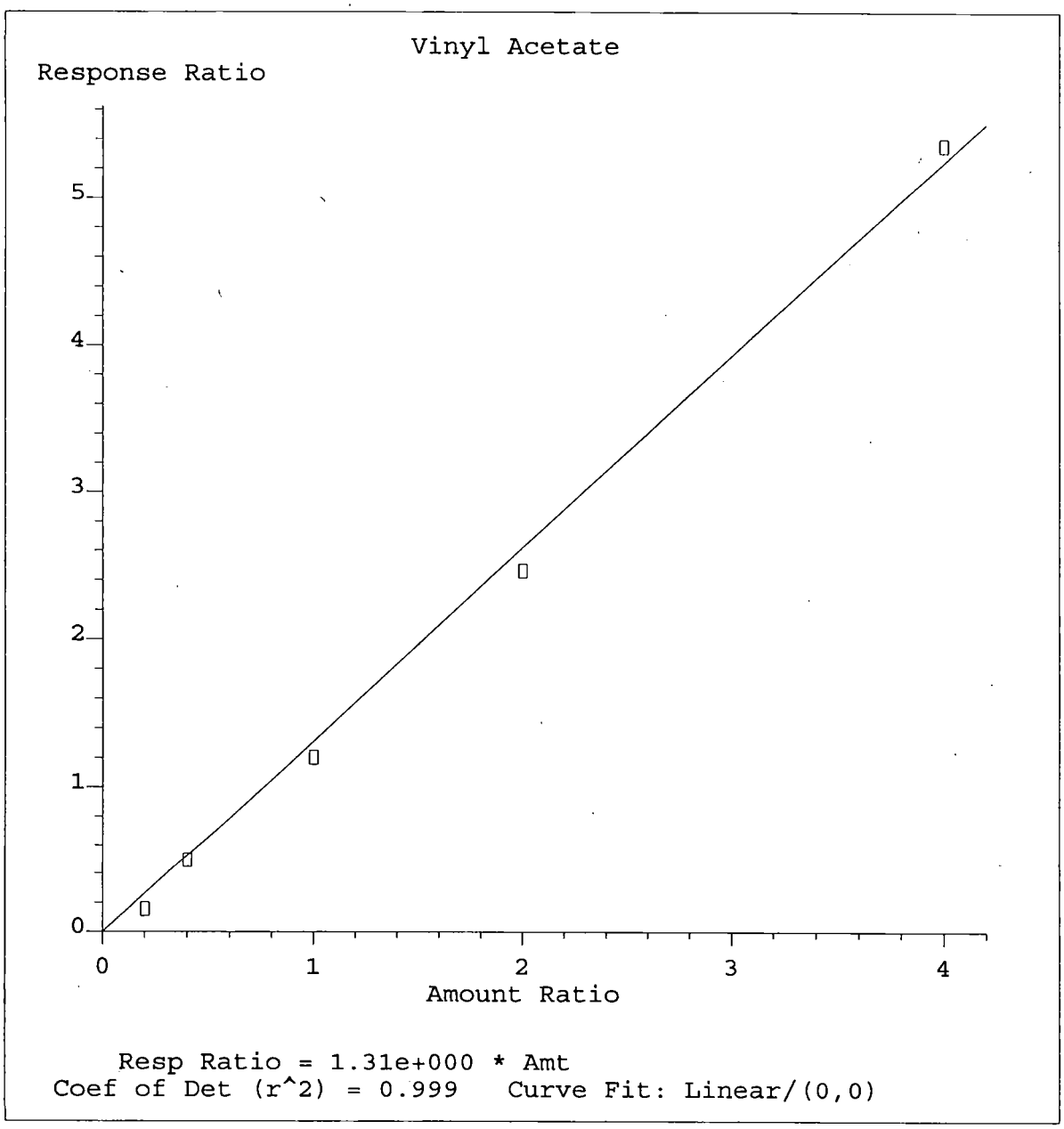
Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



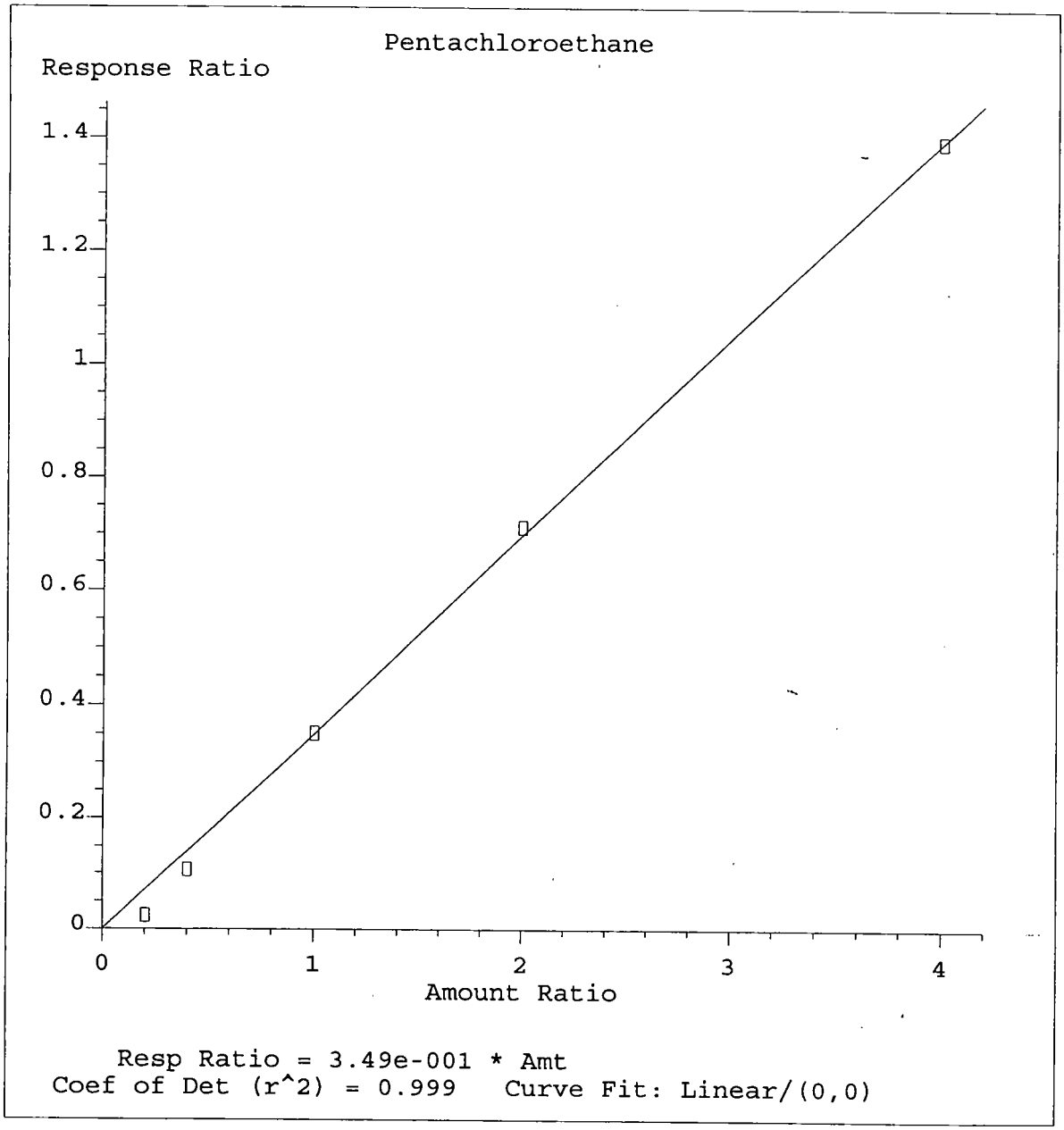
Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998



Method Name: C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Calibration Table Last Updated: Fri Apr 24 14:19:32 1998

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	618814	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1209168	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.74	1104	1052584	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	498107	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.26	574	111576	10.25	ug/L	20.50%
32) Dibromofluoromethane	6.77	527	71594	9.33	ug/L	18.66%
47) Toluene-d8	10.36	874	287591	9.07	ug/L	18.13%
51) Bromofluorobenzene	14.77	1300	108974	9.08	ug/L	18.17%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	31	113452	12.90	ug/L	99
3) Chloromethane	1.82	48	142552	11.66	ug/L	100
4) Vinyl Chloride	1.92	58	130238	11.61	ug/L	100
5) Bromomethane	2.24	89	175287	17.14	ug/L	94
6) Chloroethane	2.38	102	93934	16.12	ug/L	94
7) Trichlorofluoromethane	2.67	130	139135	10.26	ug/L	97
8) 1,1-Dichloroethene	3.29	190	76082	10.56	ug/L	97
9) Acrolein	3.15	177	15968	10.48	ug/L	94
10) Iodomethane	3.47	208	76267	8.68	ug/L	97
11) Acetone	3.37	198	38706	15.47	ug/L	99
12) Carbon Disulfide	3.55	215	321936	10.75	ug/L	100
13) Acetonitrile	3.78	238	315608	105.91	ug/L	100
14) 3-Chloropropene	3.78	238	59695	10.74	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.33	194	74572	10.71	ug/L	100
16) Methylene Chloride	3.98	257	104578	10.33	ug/L	98
17) Acrylonitrile	4.35	293	27956	10.74	ug/L	97
18) trans-1,2-Dichloroethene	4.43	300	84742	10.45	ug/L	96
19) 1,1-Dichloroethane	5.07	362	179091	10.70	ug/L	98
20) Chloroprene	5.22	377	159939	9.80	ug/L	99
21) Vinyl Acetate	5.22	377	96601	5.96	ug/L	97
22) 2,2-Dichloropropane	5.99	451	135963	9.95	ug/L	99
23) cis-1,2-Dichloroethene	6.00	452	163929	10.09	ug/L	100
24) 2-Butanone	6.04	456	9653	11.36	ug/L	88
25) Propionitrile	6.10	462	105194	105.39	ug/L	97
26) Bromochloromethane	6.36	487	41640	9.73	ug/L	97
27) Methacrylonitrile	6.35	486	652938	101.21	ug/L	99
28) Chloroform	6.54	504	195739	11.20	ug/L	99
29) 1,1,1-Trichloroethane	6.79	528	125321	10.01	ug/L	97
33) Isobutanol	7.40	587	59063	199.53	ug/L #	96
34) 1,4-Dioxane	9.02	744	12252	190.51	ug/L #	83
35) 1,2-Dichloroethane	7.39	586	140142	9.81	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc Unit	Qvalue
36)	Carbon Tetrachloride	7.05	554	96949	9.74 ug/L	98
37)	1,1-Dichloropropene	7.05	554	138132	9.79 ug/L	99
38)	Benzene	7.36	584	390630	9.54 ug/L	100
39)	Trichloroethene	8.42	686	83386	10.34 ug/L	99
40)	Dibromomethane	8.92	734	53938	10.31 ug/L	96
41)	1,2-Dichloropropane	8.74	717	105242	9.95 ug/L	98
42)	Methyl Methacrylate	9.03	745	49913	9.70 ug/L	97
43)	Bromodichloromethane	9.22	763	130057	10.47 ug/L	100
44)	2-Chloroethyl-vinyl-ether	0.00			Not Detected	
45)	cis-1,3-Dichloropropene	9.94	833	144517	9.57 ug/L	99
46)	4-Methyl-2-pentanone	10.22	860	77038	9.89 ug/L	99
48)	Toluene	10.47	884	385898	9.12 ug/L	100
49)	trans-1,3-Dichloropropene	10.86	922	122451	9.41 ug/L	100
50)	1,1,2-Trichloroethane	11.14	949	66533	9.89 ug/L	88
53)	Dibromoethane	11.92	1024	63040	10.22 ug/L #	96
54)	Ethyl Methacrylate	11.09	944	96581	9.07 ug/L #	99
55)	Tetrachloroethene	11.38	972	84541	11.57 ug/L	99
56)	1,3-Dichloropropane	11.40	974	136170	9.77 ug/L	100
57)	2-Hexanone	11.61	994	50679	10.00 ug/L	98
58)	Dibromochloromethane	11.77	1010	70932	10.09 ug/L	99
59)	Chlorobenzene	12.79	1108	217257	9.53 ug/L	100
60)	1,1,1,2-Tetrachloroethane	12.94	1123	66118	9.57 ug/L	99
61)	Ethylbenzene	13.01	1130	109503	8.98 ug/L	98
62)	Meta + Para Xylene	13.22	1150	291411	17.45 ug/L	99
63)	Ortho Xylene	13.89	1215	133714	8.69 ug/L	100
64)	Xylene (total)	13.22	1150	425495	26.15 ug/L m	98
65)	Styrene	13.91	1217	246787	8.53 ug/L	98
67)	Bromoform	14.17	1242	39197	10.97 ug/L	97
68)	Isopropylbenzene	14.54	1278	346659	9.56 ug/L	99
69)	Bromobenzene	15.00	1322	76285	10.01 ug/L	98
70)	1,1,2,2-Tetrachloroethane	15.07	1329	73237	10.39 ug/L	100
71)	1,2,3-Trichloropropane	15.11	1333	22649	11.47 ug/L	93
72)	trans-1,4-dichloro-2-buten	15.16	1338	28198	10.79 ug/L	98
73)	n-Propylbenzene	15.27	1348	475763	9.80 ug/L	100
74)	2-Chlorotoluene	15.37	1358	280050	9.87 ug/L	99
75)	4-Chlorotoluene	15.57	1377	323987	9.68 ug/L	100
76)	1,3,5-Trimethylbenzene	15.60	1380	296604	9.54 ug/L	99
77)	tert-Butylbenzene	16.16	1434	228061	8.81 ug/L	91
78)	Pentachloroethane	16.15	1433	12084	3.48 ug/L #	90
79)	1,2,4-Trimethylbenzene	16.24	1442	294650	9.58 ug/L	98
80)	sec-Butylbenzene	16.55	1472	368112	9.35 ug/L	100
81)	1,3-Dichlorobenzene	16.69	1485	150227	9.98 ug/L	99
82)	p-Isopropyltoluene	16.83	1499	325259	9.68 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
83) 1,4-Dichlorobenzene	16.84	1500	170019	9.79 ug/L	97
84) 1,2-Dichlorobenzene	17.48	1562	131592	9.85 ug/L	98
85) n-Butylbenzene	17.55	1569	332742	9.32 ug/L	99
86) DBCP	18.87	1696	14810	11.67 ug/L	95
87) 1,2,4-Trichlorobenzene	20.39	1843	71097	9.34 ug/L	98
88) Hexachlorobutadiene	20.76	1879	27789	8.79 ug/L	99
89) Naphthalene	20.79	1882	176695	10.32 ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	65227	9.73 ug/L	100

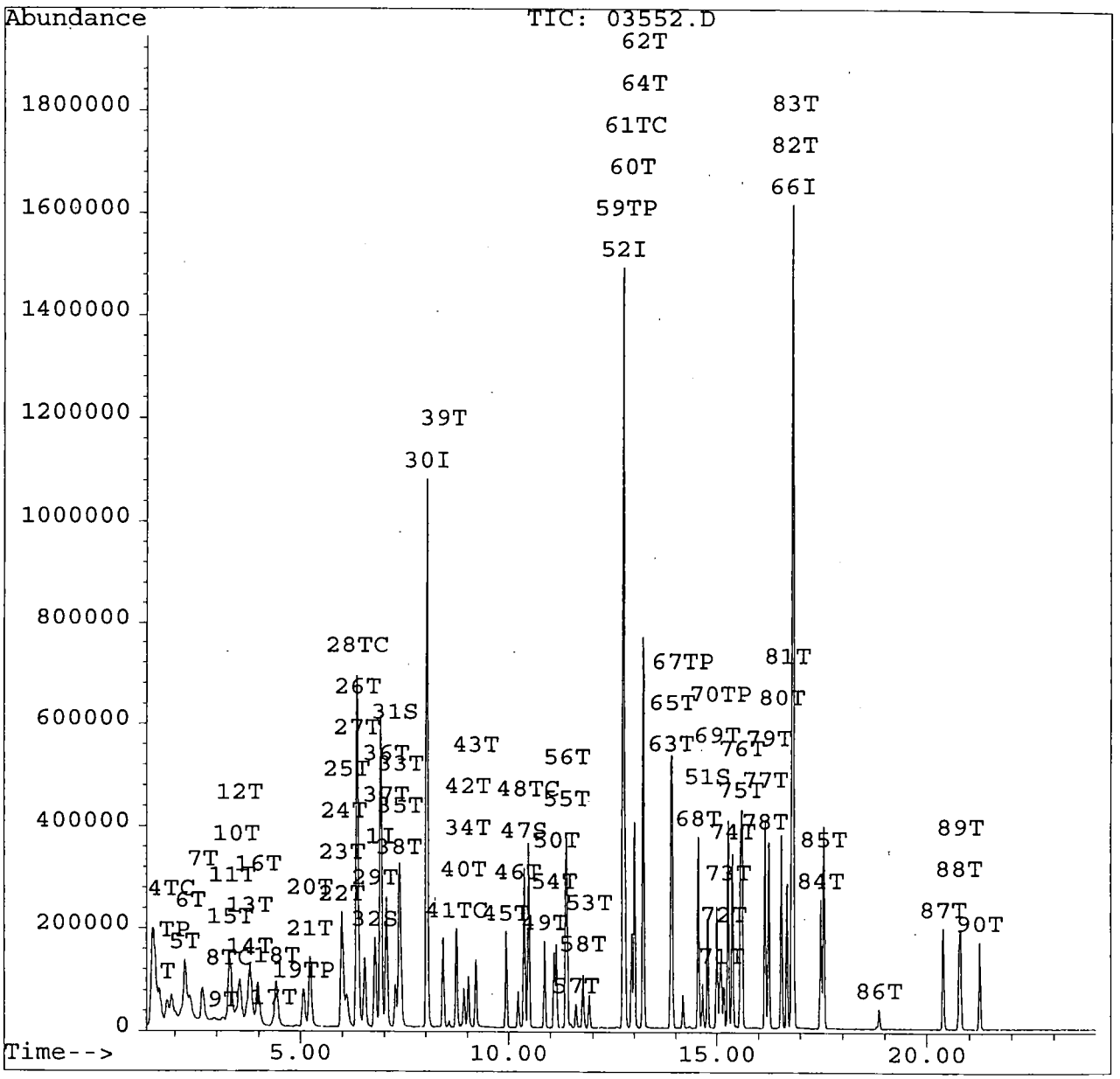
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03552.d
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

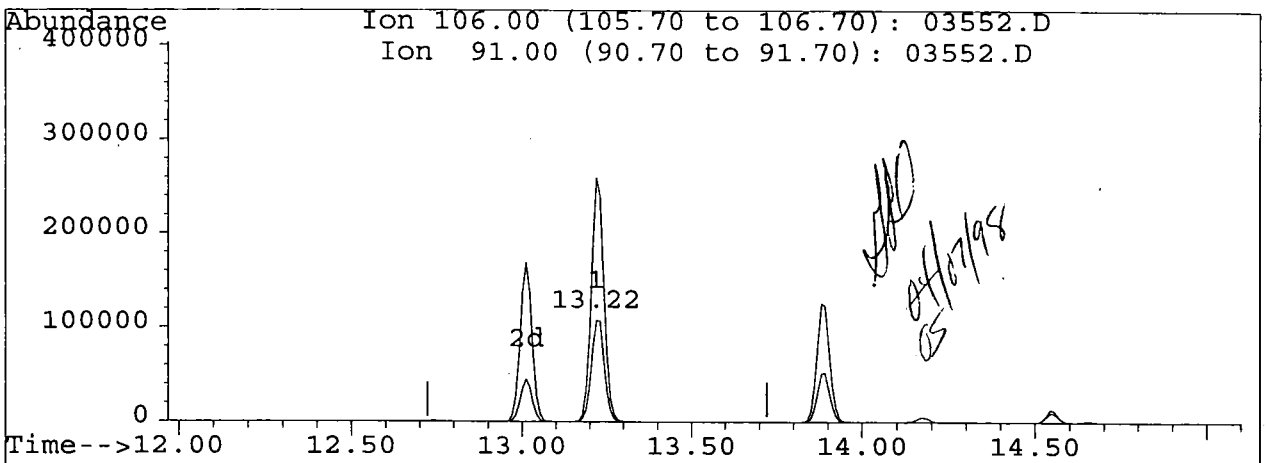


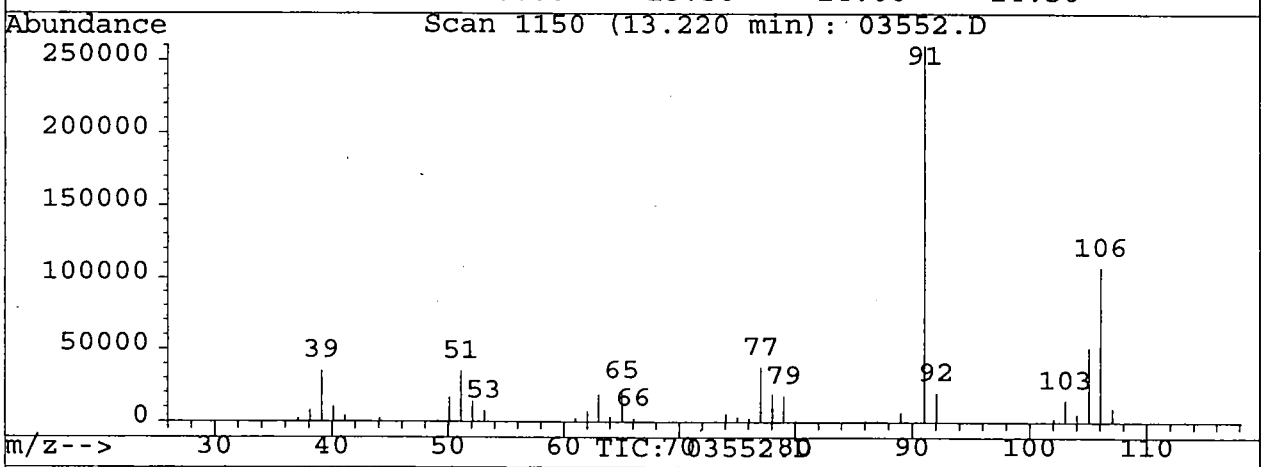
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03552.D
Acq On : 17 Apr 98 11:40 am
Sample : VSTD10
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 6
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.22min 26.15ug/L m
response 425495

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	242.35
0.00	0.00	0.00
0.00	0.00	0.00

03552.D W8260ALL.M Fri Apr 24 15:24:55 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	603106	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1199503	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.74	1104	1055271	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	522919	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.27	575	222359	20.60	ug/L	41.19%
32) Dibromofluoromethane	6.78	527	152672	20.06	ug/L	40.12%
47) Toluene-d8	10.37	874	612407	19.46	ug/L	38.92%
51) Bromofluorobenzene	14.77	1300	226439	19.03	ug/L	38.05%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	31	236642	27.62	ug/L	99
3) Chloromethane	1.81	47	253892	21.30	ug/L	100
4) Vinyl Chloride	1.92	58	254467	23.28	ug/L	100
5) Bromomethane	2.24	89	310251	31.13	ug/L	98
6) Chloroethane	2.36	100	190810	33.59	ug/L	99
7) Trichlorofluoromethane	2.67	130	292211	22.11	ug/L	100
8) 1,1-Dichloroethene	3.29	190	154967	22.07	ug/L	98
9) Acrolein	3.14	176	31876	21.46	ug/L	98
10) Iodomethane	3.47	207	187453	21.89	ug/L	99
11) Acetone	3.37	198	133054	54.58	ug/L	100
12) Carbon Disulfide	3.55	215	636548	21.81	ug/L	99
13) Acetonitrile	3.79	238	620353	213.60	ug/L	100
14) 3-Chloropropene	3.80	239	113927	21.03	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.33	194	142575	21.00	ug/L	99
16) Methylene Chloride	3.98	257	218638	22.15	ug/L	98
17) Acrylonitrile	4.35	293	52689	20.77	ug/L m	1
18) trans-1,2-Dichloroethene	4.42	299	167890	21.24	ug/L	100
19) 1,1-Dichloroethane	5.07	362	344713	21.13	ug/L	98
20) Chloroprene	5.22	377	341216	21.44	ug/L	99
21) Vinyl Acetate	5.21	376	296836	18.78	ug/L	100
22) 2,2-Dichloropropane	5.98	450	277696	20.85	ug/L	99
23) cis-1,2-Dichloroethene	6.00	452	327008	20.66	ug/L	99
24) 2-Butanone	6.05	457	17909	21.63	ug/L	99
25) Propionitrile	6.10	462	204292	210.01	ug/L	98
26) Bromochloromethane	6.36	487	88280	21.17	ug/L	99
27) Methacrylonitrile	6.35	486	1351524	214.95	ug/L	99
28) Chloroform	6.54	504	348267	20.44	ug/L	100
29) 1,1,1-Trichloroethane	6.79	528	258238	21.16	ug/L	100
33) Isobutanol	7.42	589	112908	384.51	ug/L #	97
34) 1,4-Dioxane	9.00	742	25073	393.02	ug/L #	91
35) 1,2-Dichloroethane	7.39	586	289829	20.45	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
36)	Carbon Tetrachloride	7.05	554	206839	20.94	ug/L		99
37)	1,1-Dichloropropene	7.05	554	289356	20.67	ug/L		98
38)	Benzene	7.37	584	799697	19.69	ug/L		100
39)	Trichloroethene	8.41	685	156911	19.61	ug/L		98
40)	Dibromomethane	8.92	734	106298	20.48	ug/L		98
41)	1,2-Dichloropropane	8.74	717	212480	20.24	ug/L		99
42)	Methyl Methacrylate	9.03	745	100301	19.65	ug/L		95
43)	Bromodichloromethane	9.22	763	250427	20.32	ug/L		99
44)	2-Chloroethyl-vinyl-ether	9.95	834	2081	50.04	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.94	833	294633	19.67	ug/L		100
46)	4-Methyl-2-pentanone	10.22	860	153240	19.82	ug/L		99
48)	Toluene	10.47	884	813651	19.39	ug/L		100
49)	trans-1,3-Dichloropropene	10.86	922	254593	19.72	ug/L		100
50)	1,1,2-Trichloroethane	11.14	949	131581	19.71	ug/L		99
53)	Dibromoethane	11.92	1024	123925	20.04	ug/L		100
54)	Ethyl Methacrylate	11.09	944	205258	19.23	ug/L	#	99
55)	Tetrachloroethene	11.38	972	146445	20.00	ug/L		98
56)	1,3-Dichloropropane	11.40	974	275165	19.68	ug/L		97
57)	2-Hexanone	11.61	994	99821	19.65	ug/L		99
58)	Dibromochloromethane	11.77	1010	139846	19.84	ug/L		100
59)	Chlorobenzene	12.79	1108	449721	19.68	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.94	1123	137726	19.89	ug/L		99
61)	Ethylbenzene	13.01	1130	240034	19.62	ug/L		97
62)	Meta + Para Xylene	13.22	1150	644012	38.46	ug/L		99
63)	Ortho Xylene	13.89	1215	294832	19.12	ug/L		100
64)	Xylene (total)	13.22	1150	939526	57.59	ug/L	m	98
65)	Styrene	13.91	1217	569554	19.65	ug/L		99
67)	Bromoform	14.18	1243	75869	20.23	ug/L		98
68)	Isopropylbenzene	14.55	1278	763872	20.07	ug/L		99
69)	Bromobenzene	15.00	1322	160183	20.02	ug/L		99
70)	1,1,2,2-Tetrachloroethane	15.07	1329	160316	21.66	ug/L		100
71)	1,2,3-Trichloropropane	15.10	1332	43645	21.06	ug/L		100
72)	trans-1,4-dichloro-2-buten	15.17	1338	56465	20.59	ug/L		98
73)	n-Propylbenzene	15.27	1348	1040502	20.42	ug/L		100
74)	2-Chlorotoluene	15.37	1358	605784	20.34	ug/L		99
75)	4-Chlorotoluene	15.57	1377	712955	20.29	ug/L		99
76)	1,3,5-Trimethylbenzene	15.60	1380	665625	20.40	ug/L		100
77)	tert-Butylbenzene	16.16	1434	549613	20.22	ug/L		96
78)	Pentachloroethane	16.15	1433	55444	15.20	ug/L		96
79)	1,2,4-Trimethylbenzene	16.24	1442	653612	20.23	ug/L		99
80)	sec-Butylbenzene	16.55	1472	855481	20.70	ug/L		100
81)	1,3-Dichlorobenzene	16.69	1485	315970	19.99	ug/L		100
82)	p-Isopropyltoluene	16.83	1499	725078	20.56	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
83) 1,4-Dichlorobenzene	16.84	1500	375190	20.58 ug/L	98
84) 1,2-Dichlorobenzene	17.48	1562	285110	20.33 ug/L	100
85) n-Butylbenzene	17.56	1569	782760	20.88 ug/L	100
86) DBCP	18.87	1696	28879	21.67 ug/L	96
87) 1,2,4-Trichlorobenzene	20.39	1843	158784	19.87 ug/L	100
88) Hexachlorobutadiene	20.76	1879	68808	20.73 ug/L	99
89) Naphthalene	20.79	1882	360612	20.06 ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	142986	20.32 ug/L	100

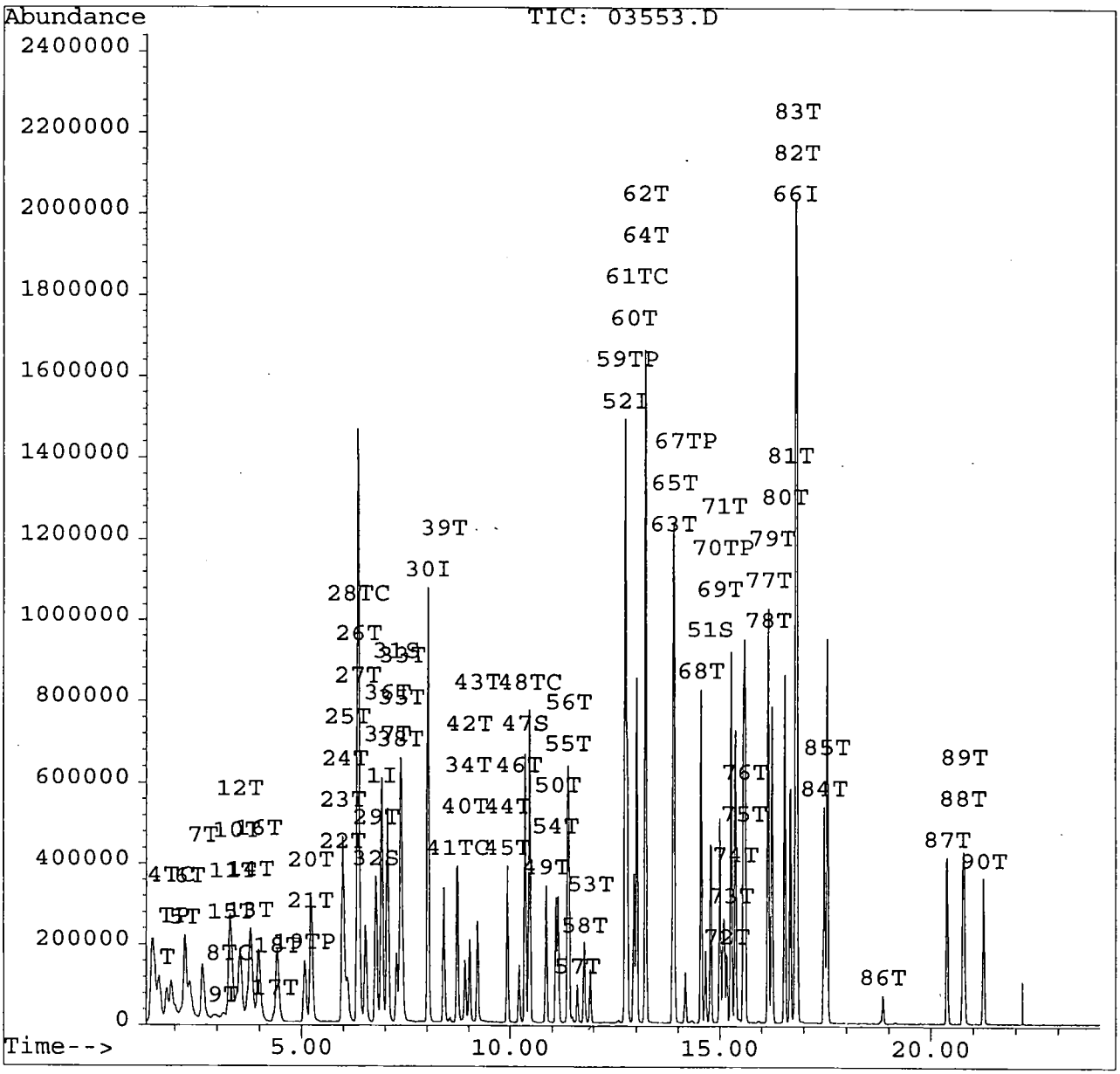
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03553.d
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

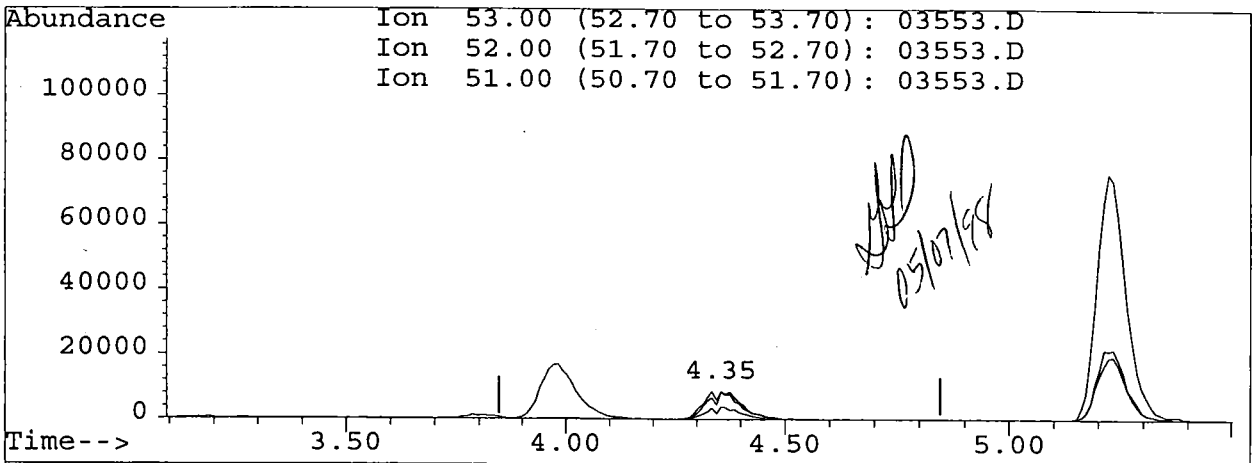


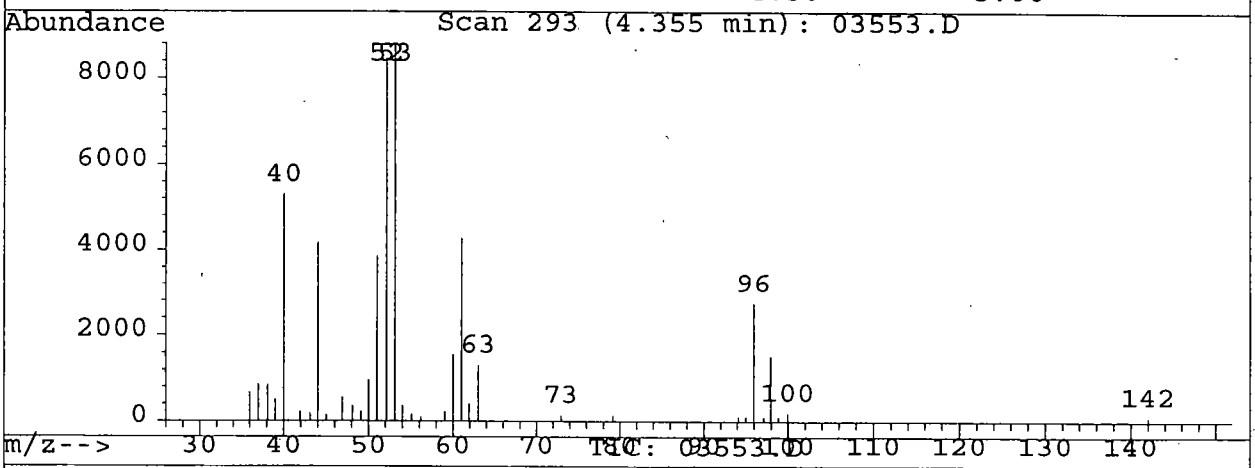
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03553.D
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(17) Acrylonitrile (T)
4.35min 20.77ug/L m
response 52689

Ion	Exp%	Act%
53.00	100	100
52.00	83.90	96.15
51.00	37.20	43.93
0.00	0.00	0.00

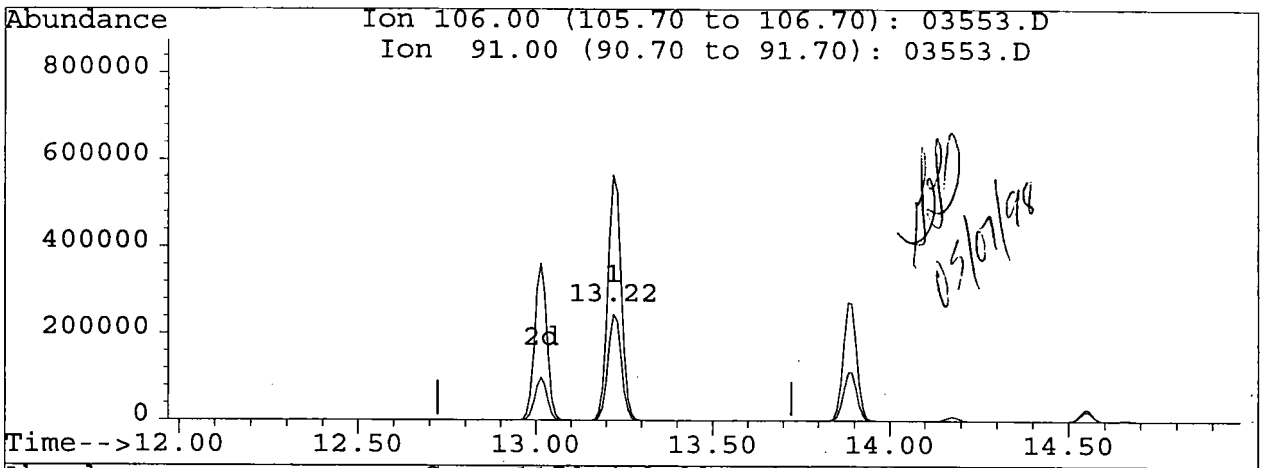
03553.D W8260ALL.M Fri Apr 24 15:25:20 1998 RP1

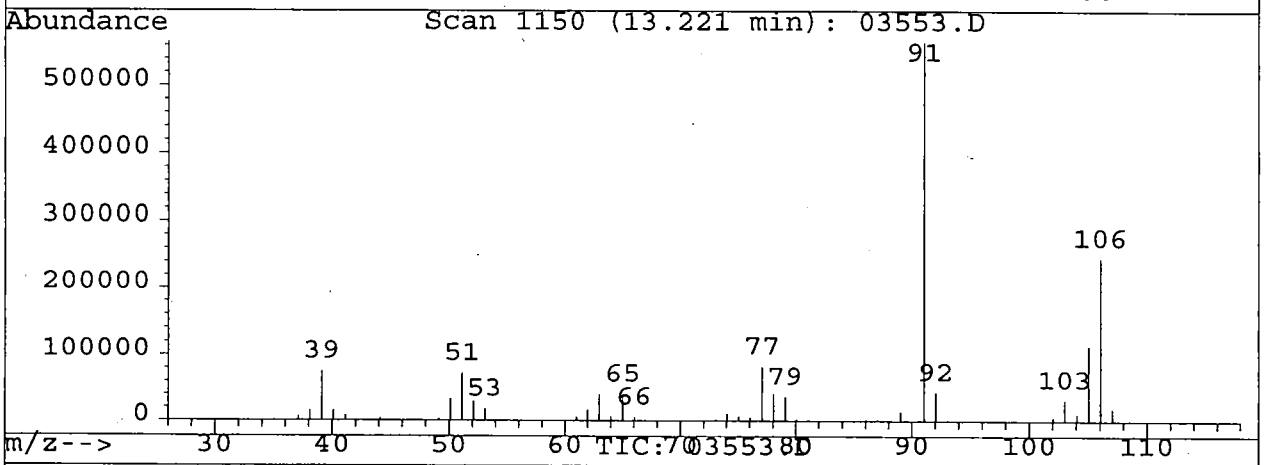
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03553.D
Acq On : 17 Apr 98 12:10 pm
Sample : VSTD20
Misc :
Quant Time: Apr 24 14:31 1998

Vial: 7
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.22min 57.59ug/L m
response 939526

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	229.79
0.00	0.00	0.00
0.00	0.00	0.00

03/07/98

03553.D W8260ALL.M Fri Apr 24 15:25:37 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	664756	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1283524	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	1125966	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	598118	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.26	574	548160	47.45	ug/L	94.90%
32) Dibromofluoromethane	6.78	527	384110	47.17	ug/L	94.33%
47) Toluene-d8	10.37	874	1659361	49.28	ug/L	98.55%
51) Bromofluorobenzene	14.77	1300	613807	48.20	ug/L	96.40%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	30	271121	28.71	ug/L	100
3) Chloromethane	1.81	47	641562	48.83	ug/L	100
4) Vinyl Chloride	1.93	58	535428	44.45	ug/L	100
5) Bromomethane	2.24	88	772693	70.35	ug/L	100
6) Chloroethane	2.35	99	505018	80.67	ug/L	100
7) Trichlorofluoromethane	2.65	128	463504	31.82	ug/L	100
8) 1,1-Dichloroethene	3.28	189	339250	43.84	ug/L	100
9) Acrolein	3.17	178	74576	45.56	ug/L	100
10) Iodomethane	3.47	207	508576	53.88	ug/L	100
11) Acetone	3.36	197	139304	51.84	ug/L	100
12) Carbon Disulfide	3.54	214	1506155	46.82	ug/L	100
13) Acetonitrile	3.78	237	1535229	479.59	ug/L	100
14) 3-Chloropropene	3.80	239	289787	48.54	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.32	193	278847	37.27	ug/L	100
16) Methylene Chloride	3.97	256	542030	49.82	ug/L	100
17) Acrylonitrile	4.35	292	126467	45.23	ug/L	100
18) trans-1,2-Dichloroethene	4.41	298	410815	47.15	ug/L	100
19) 1,1-Dichloroethane	5.07	362	890538	49.53	ug/L	100
20) Chloroprene	5.23	377	825392	47.06	ug/L	100
21) Vinyl Acetate	5.22	376	801041	45.98	ug/L	100
22) 2,2-Dichloropropane	5.98	450	710512	48.39	ug/L	100
23) cis-1,2-Dichloroethene	5.99	451	858118	49.18	ug/L	100
24) 2-Butanone	6.04	456	40935	44.85	ug/L	100
25) Propionitrile	6.11	462	477581	445.42	ug/L	100
26) Bromochloromethane	6.36	487	224838	48.91	ug/L	100
27) Methacrylonitrile	6.35	486	3253570	469.46	ug/L	100
28) Chloroform	6.53	503	901003	47.97	ug/L	100
29) 1,1,1-Trichloroethane	6.78	527	624218	46.40	ug/L	100
33) Isobutanol	7.41	588	281678	896.46	ug/L #	100
34) 1,4-Dioxane	9.01	743	58402	855.52	ug/L	100
35) 1,2-Dichloroethane	7.39	586	748139	49.32	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc Unit	Qvalue
36)	Carbon Tetrachloride	7.05	553	454366	42.99 ug/L	100
37)	1,1-Dichloropropene	7.06	554	669582	44.70 ug/L	100
38)	Benzene	7.36	583	2185653	50.28 ug/L	100
39)	Trichloroethene	8.41	685	397443	46.43 ug/L	100
40)	Dibromomethane	8.92	734	261989	47.17 ug/L	100
41)	1,2-Dichloropropane	8.74	717	543754	48.42 ug/L	100
42)	Methyl Methacrylate	9.03	745	252641	46.26 ug/L	100
43)	Bromodichloromethane	9.21	762	636202	48.23 ug/L	100
44)	2-Chloroethyl-vinyl-ether	9.66	806	2212	49.71 ug/L #	100
45)	cis-1,3-Dichloropropene	9.94	833	769659	48.03 ug/L	100
46)	4-Methyl-2-pentanone	10.22	860	370922	44.84 ug/L	100
48)	Toluene	10.47	884	2223659	49.51 ug/L	100
49)	trans-1,3-Dichloropropene	10.86	922	665010	48.13 ug/L	100
50)	1,1,2-Trichloroethane	11.14	949	327303	45.82 ug/L	100
53)	Dibromoethane	11.92	1024	307206	46.55 ug/L	100
54)	Ethyl Methacrylate	11.09	944	523229	45.94 ug/L #	100
55)	Tetrachloroethene	11.38	972	311174	39.83 ug/L	100
56)	1,3-Dichloropropane	11.40	974	696853	46.72 ug/L	100
57)	2-Hexanone	11.61	994	241641	44.58 ug/L	100
58)	Dibromochloromethane	11.77	1010	355818	47.32 ug/L	100
59)	Chlorobenzene	12.79	1108	1202436	49.31 ug/L	100
60)	1,1,1,2-Tetrachloroethane	12.94	1123	347428	47.03 ug/L	100
61)	Ethylbenzene	13.02	1130	644890	49.41 ug/L	100
62)	Meta + Para Xylene	13.22	1150	1723426	96.46 ug/L	100
63)	Ortho Xylene	13.90	1215	808190	49.13 ug/L	100
64)	Xylene (total)	13.22	1150	2533934	145.56 ug/L m	99
65)	Styrene	13.92	1217	1531147	49.50 ug/L	100
67)	Bromoform	14.17	1242	191819	44.71 ug/L	100
68)	Isopropylbenzene	14.55	1278	2088791	47.99 ug/L	100
69)	Bromobenzene	15.00	1322	438943	47.97 ug/L	100
70)	1,1,2,2-Tetrachloroethane	15.07	1329	389363	45.99 ug/L	100
71)	1,2,3-Trichloropropane	15.11	1332	105779	44.61 ug/L	100
72)	trans-1,4-dichloro-2-buten	15.17	1338	146024	46.54 ug/L	100
73)	n-Propylbenzene	15.27	1348	2824625	48.45 ug/L	100
74)	2-Chlorotoluene	15.37	1358	1689870	49.62 ug/L	100
75)	4-Chlorotoluene	15.57	1377	1962453	48.84 ug/L	100
76)	1,3,5-Trimethylbenzene	15.60	1380	1822336	48.84 ug/L	100
77)	tert-Butylbenzene	16.16	1434	1519216	48.86 ug/L	100
78)	Pentachloroethane	16.15	1433	209753	50.26 ug/L	100
79)	1,2,4-Trimethylbenzene	16.24	1442	1824065	49.37 ug/L	100
80)	sec-Butylbenzene	16.55	1472	2201176	46.56 ug/L	100
81)	1,3-Dichlorobenzene	16.69	1485	867676	47.98 ug/L	100
82)	p-Isopropyltoluene	16.83	1499	1857831	46.06 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
83) 1,4-Dichlorobenzene	16.84	1500	995478	47.74 ug/L	100
84) 1,2-Dichlorobenzene	17.49	1562	762265	47.53 ug/L	100
85) n-Butylbenzene	17.56	1569	2030107	47.34 ug/L	100
86) DBCP	18.87	1696	64847	42.54 ug/L	100
87) 1,2,4-Trichlorobenzene	20.39	1843	422690	46.25 ug/L	100
88) Hexachlorobutadiene	20.76	1879	162522	42.82 ug/L	100
89) Naphthalene	20.80	1882	935236	45.49 ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	370465	46.04 ug/L	100

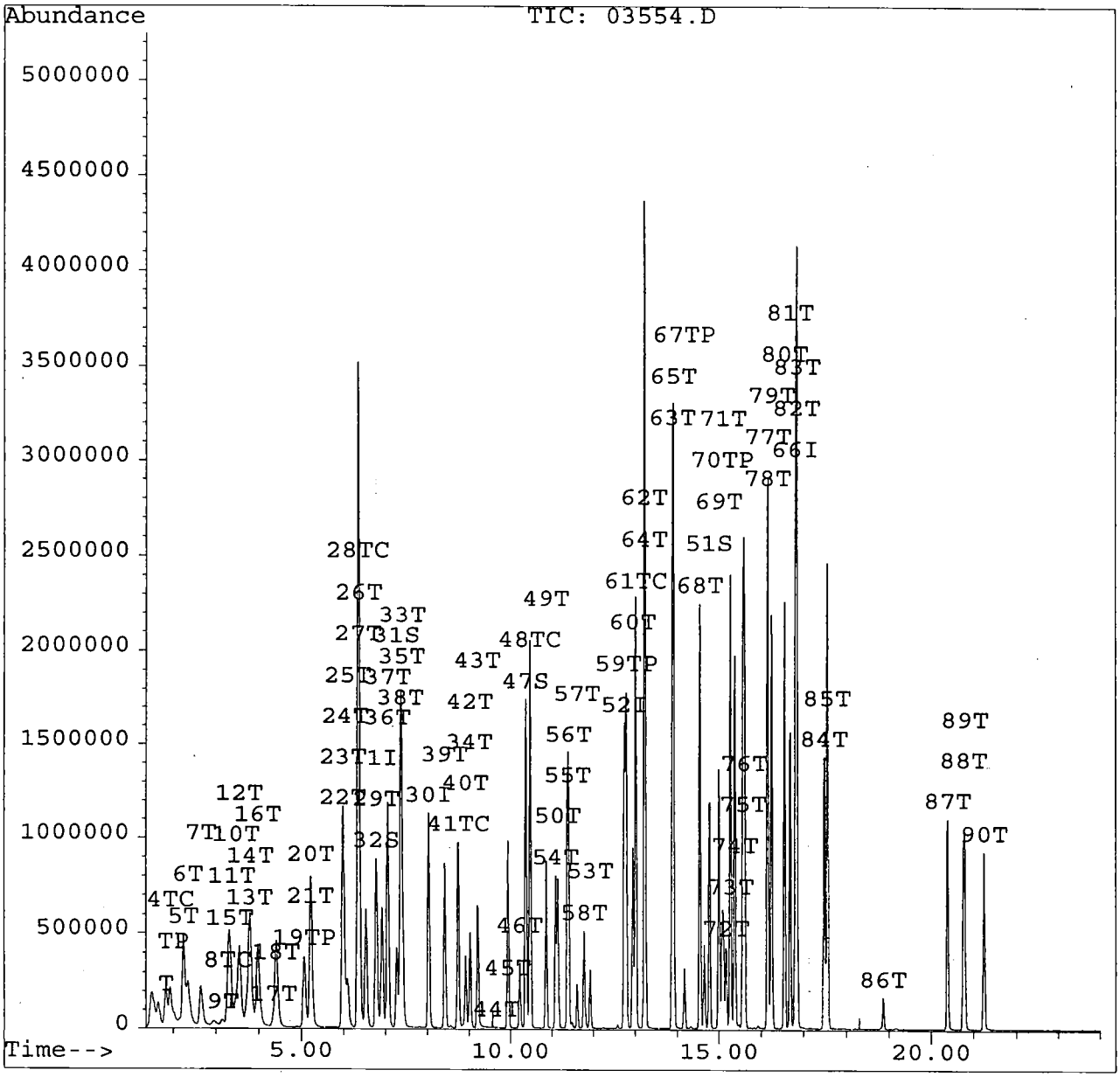
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03554.d
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

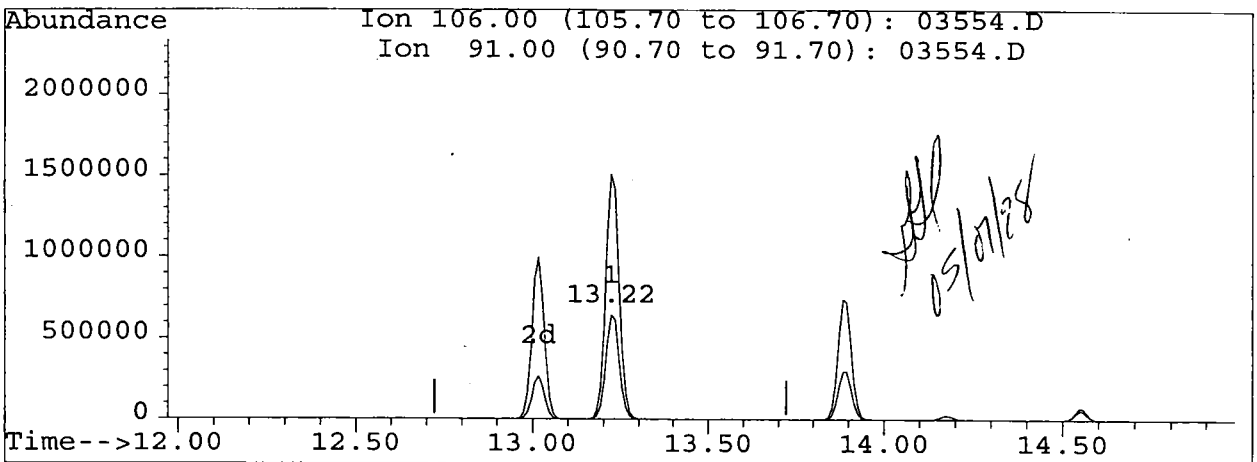


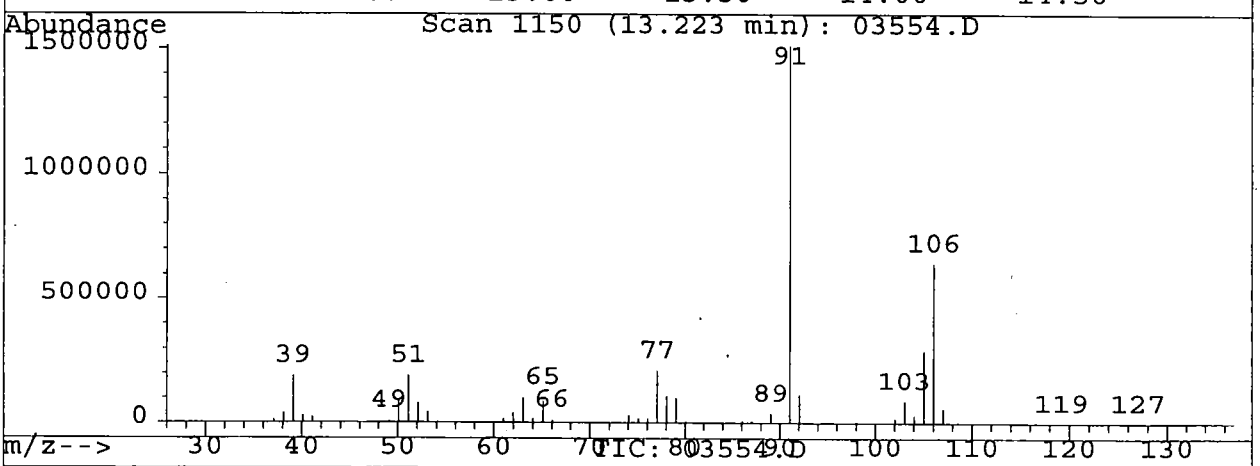
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03554.D
Acq On : 17 Apr 98 12:41 pm
Sample : VSTD50
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 8
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





TIC: 03554.D

(64) Xylene (total) (T)
13.22min 145.56ug/L m
response 2533934

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	234.71
0.00	0.00	0.00
0.00	0.00	0.00

03554.D W8260ALL.M Fri Apr 24 15:26:27 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	750516	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1389022	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	1235895	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	682383	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
31) 1,2-Dichloroethane-d4	7.26	574	1219896	97.57	ug/L	195.14%
32) Dibromofluoromethane	6.78	527	909767	103.23	ug/L	206.46%
47) Toluene-d8	10.37	874	3942284	108.18	ug/L	216.36%
51) Bromofluorobenzene	14.78	1301	1545332	112.13	ug/L	224.27%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.65	31	1145026	107.38	ug/L	99
3) Chloromethane	1.82	48	1304387	87.94	ug/L	99
4) Vinyl Chloride	1.93	58	1213974	89.26	ug/L	100
5) Bromomethane	2.24	88	1355143	109.28	ug/L	99
6) Chloroethane	2.35	99	782779	110.75	ug/L	97
7) Trichlorofluoromethane	2.63	126	1605126	97.60	ug/L	99
8) 1,1-Dichloroethene	3.27	188	838071	95.92	ug/L	99
9) Acrolein	3.16	177	171937	93.03	ug/L	97
10) Iodomethane	3.46	206	1090010	102.28	ug/L	99
11) Acetone	3.38	199	290171	95.65	ug/L	100
12) Carbon Disulfide	3.53	213	3428682	94.40	ug/L	99
13) Acetonitrile	3.78	237	3363652	930.70	ug/L	100
14) 3-Chloropropene	3.78	237	630926	93.60	ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.31	192	905802	107.23	ug/L	99
16) Methylene Chloride	3.97	256	1139226	92.74	ug/L	100
17) Acrylonitrile	4.36	293	287468	91.05	ug/L	98
18) trans-1,2-Dichloroethene	4.41	298	923911	93.92	ug/L	99
19) 1,1-Dichloroethane	5.06	361	1867783	92.01	ug/L	99
20) Chloroprene	5.22	376	1998951	100.95	ug/L	99
21) Vinyl Acetate	5.22	376	1847861	93.94	ug/L	98
22) 2,2-Dichloropropane	5.98	450	1625296	98.05	ug/L	100
23) cis-1,2-Dichloroethene	5.99	451	1925741	97.75	ug/L	99
24) 2-Butanone	6.05	457	95998	93.16	ug/L	94
25) Propionitrile	6.12	463	1143761	944.85	ug/L	99
26) Bromochloromethane	6.36	487	500775	96.49	ug/L	96
27) Methacrylonitrile	6.36	487	7298195	932.73	ug/L	99
28) Chloroform	6.53	503	2017871	95.16	ug/L	100
29) 1,1,1-Trichloroethane	6.78	527	1500067	98.77	ug/L	99
33) Isobutanol	7.44	591	694068	2041.14	ug/L #	98
34) 1,4-Dioxane	9.01	743	146344	1980.94	ug/L	97
35) 1,2-Dichloroethane	7.39	586	1604471	97.74	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
36)	Carbon Tetrachloride	7.05	553	1180221	103.18	ug/L		99
37)	1,1-Dichloropropene	7.06	554	1667411	102.85	ug/L		98
38)	Benzene	7.36	583	4744934	100.87	ug/L		100
39)	Trichloroethene	8.41	685	912292	98.48	ug/L		98
40)	Dibromomethane	8.92	734	572222	95.20	ug/L		98
41)	1,2-Dichloropropane	8.74	717	1184513	97.46	ug/L		99
42)	Methyl Methacrylate	9.03	745	574016	97.12	ug/L		99
43)	Bromodichloromethane	9.22	763	1367158	95.78	ug/L		100
44)	2-Chloroethyl-vinyl-ether	9.67	807	3945	81.92	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.94	833	1742566	100.48	ug/L		100
46)	4-Methyl-2-pentanone	10.23	861	882604	98.60	ug/L		100
48)	Toluene	10.48	885	5079875	104.52	ug/L		100
49)	trans-1,3-Dichloropropene	10.86	922	1495902	100.04	ug/L		100
50)	1,1,2-Trichloroethane	11.14	949	755896	97.79	ug/L		99
53)	Dibromoethane	11.93	1025	683652	94.39	ug/L		99
54)	Ethyl Methacrylate	11.09	944	1258822	100.69	ug/L	#	98
55)	Tetrachloroethene	11.38	972	799097	93.17	ug/L		98
56)	1,3-Dichloropropane	11.40	974	1615321	98.66	ug/L		98
57)	2-Hexanone	11.61	994	575944	96.80	ug/L		99
58)	Dibromochloromethane	11.77	1010	799305	96.83	ug/L		99
59)	Chlorobenzene	12.79	1108	2677280	100.02	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.95	1124	796847	98.26	ug/L		99
61)	Ethylbenzene	13.02	1130	1478202	103.19	ug/L		99
62)	Meta + Para Xylene	13.23	1151	4088619	208.48	ug/L		99
63)	Ortho Xylene	13.90	1215	1890938	104.72	ug/L		99
64)	Xylene (total)	13.23	1151	5983658	313.15	ug/L	m	98
65)	Styrene	13.92	1217	3537490	104.19	ug/L		98
67)	Bromoform	14.18	1243	449433	91.82	ug/L		99
68)	Isopropylbenzene	14.56	1279	5043741	101.57	ug/L		100
69)	Bromobenzene	15.01	1323	1043453	99.95	ug/L		99
70)	1,1,2,2-Tetrachloroethane	15.07	1329	903499	93.54	ug/L		100
71)	1,2,3-Trichloropropane	15.12	1333	246471	91.12	ug/L		92
72)	trans-1,4-dichloro-2-buten	15.18	1339	333221	93.09	ug/L		98
73)	n-Propylbenzene	15.28	1349	6743768	101.40	ug/L		100
74)	2-Chlorotoluene	15.37	1358	3895246	100.25	ug/L		99
75)	4-Chlorotoluene	15.57	1377	4590826	100.14	ug/L		99
76)	1,3,5-Trimethylbenzene	15.60	1380	4279772	100.53	ug/L		99
77)	tert-Butylbenzene	16.16	1434	3719159	104.83	ug/L		99
78)	Pentachloroethane	16.15	1433	485534	101.98	ug/L		99
79)	1,2,4-Trimethylbenzene	16.25	1443	4260232	101.06	ug/L		99
80)	sec-Butylbenzene	16.55	1472	5620558	104.21	ug/L		100
81)	1,3-Dichlorobenzene	16.69	1485	2088603	101.24	ug/L		100
82)	p-Isopropyltoluene	16.83	1499	4630523	100.63	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
83) 1,4-Dichlorobenzene	16.85	1501	2338338	98.29 ug/L	99
84) 1,2-Dichlorobenzene	17.50	1563	1820418	99.48 ug/L	99
85) n-Butylbenzene	17.56	1569	5085096	103.94 ug/L	99
86) DBCP	18.87	1696	150789	86.70 ug/L	99
87) 1,2,4-Trichlorobenzene	20.39	1843	1056219	101.29 ug/L	100
88) Hexachlorobutadiene	20.76	1879	454817	105.03 ug/L	99
89) Naphthalene	20.80	1882	2261437	96.41 ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	897064	97.71 ug/L	99

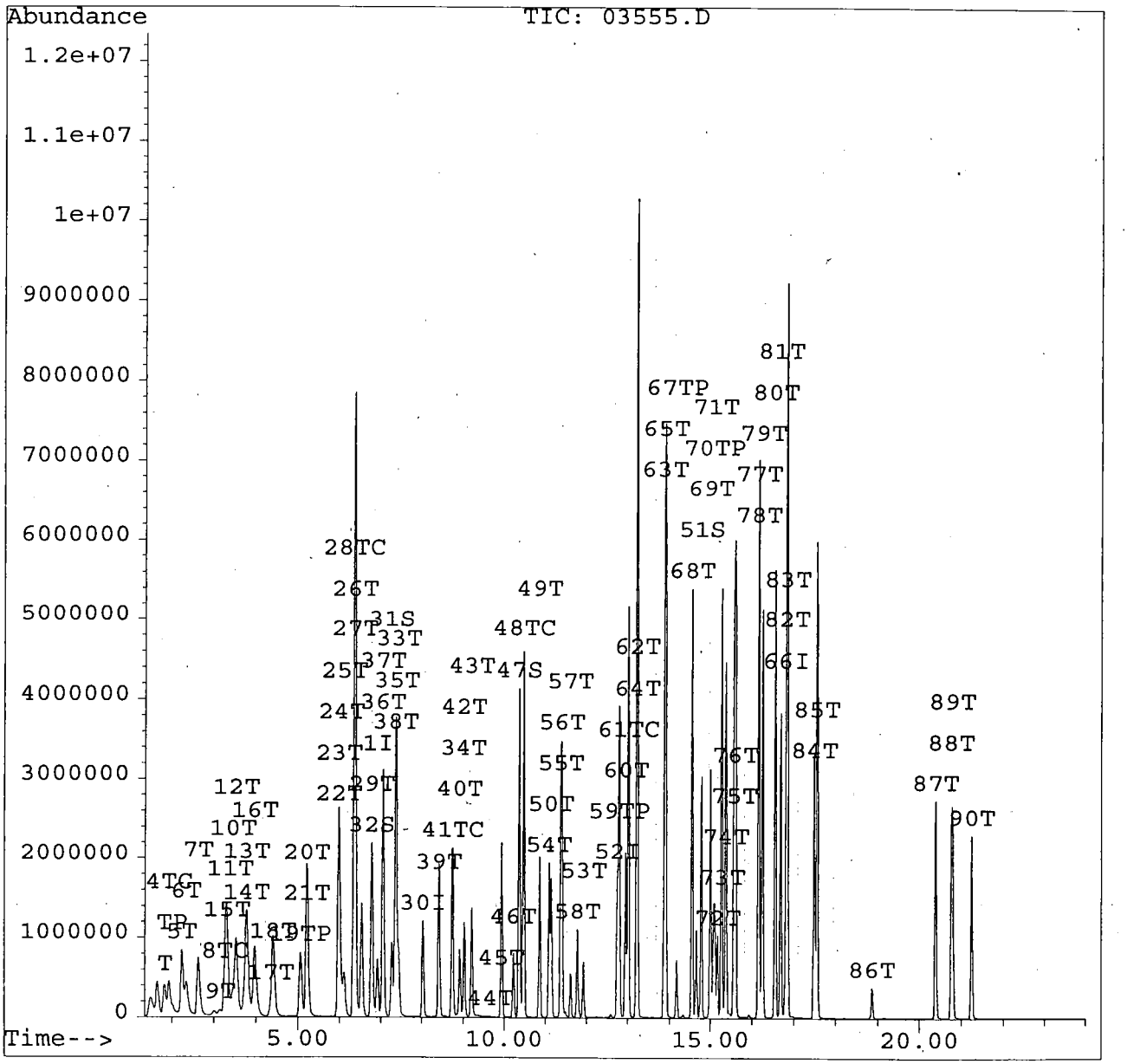
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03555.d
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

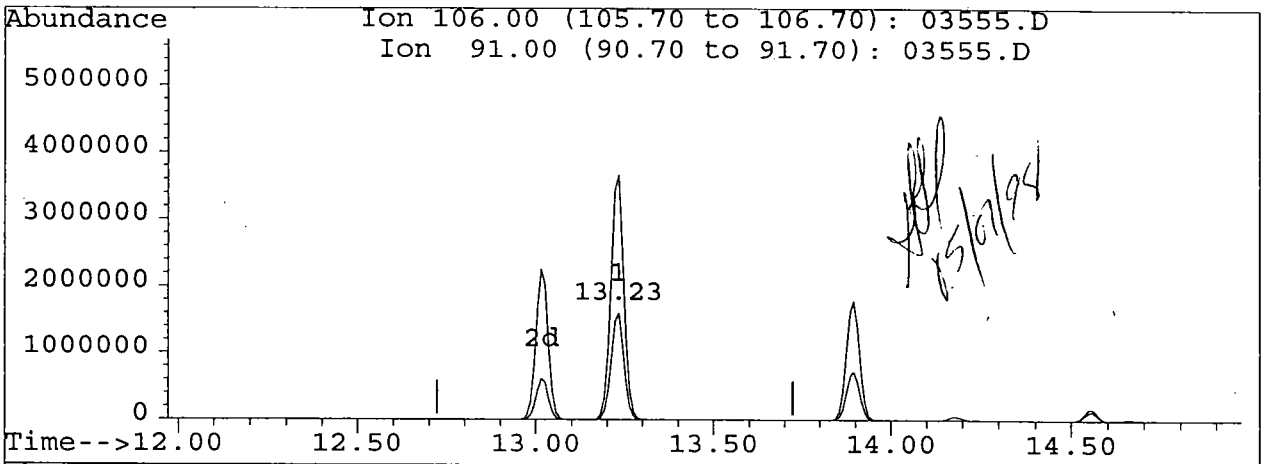


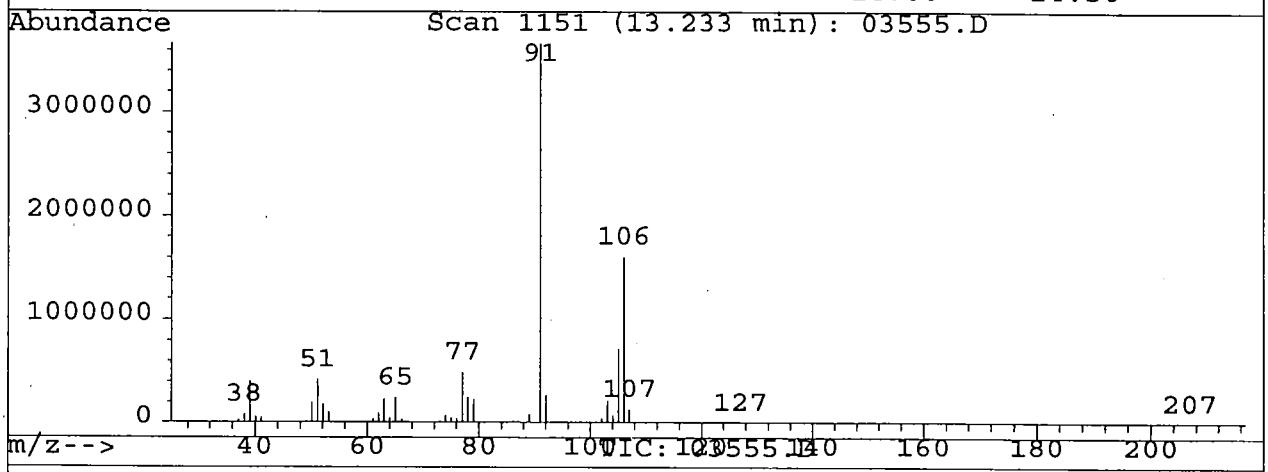
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03555.D
Acq On : 17 Apr 98 1:11 pm
Sample : VSTD100
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 9
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.23min 313.15ug/L m
response 5983658

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	228.39
0.00	0.00	0.00
0.00	0.00	0.00

03555.D W8260ALL.M Fri Apr 24 15:26:51 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	838047	50.00 ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1512433	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.75	1105	1301097	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.82	1498	732137	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.27	575	2778220	204.08 ug/L	408.16%
32) Dibromofluoromethane	6.77	527	2088390	217.63 ug/L	435.26%
47) Toluene-d8	10.37	875	8358088	210.63 ug/L	421.27%
51) Bromofluorobenzene	14.79	1302	3166079	210.99 ug/L	421.98%
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.64	31	2389934	200.72 ug/L	99
3) Chloromethane	1.81	47	3025899	182.69 ug/L	100
4) Vinyl Chloride	1.93	59	2711578	178.55 ug/L	100
5) Bromomethane	2.23	88	2614356	188.80 ug/L	100
6) Chloroethane	2.35	99	1462474	185.30 ug/L	98
7) Trichlorofluoromethane	2.58	122	3774158	205.52 ug/L	97
8) 1,1-Dichloroethene	3.25	186	1959803	200.88 ug/L	97
9) Acrolein	3.15	177	428252	207.51 ug/L	95
10) Iodomethane	3.45	206	2230368	187.43 ug/L	97
11) Acetone	3.41	202	670661	197.98 ug/L	100
12) Carbon Disulfide	3.51	211	7741218	190.87 ug/L	100
13) Acetonitrile	3.76	236	7933784	1965.95 ug/L	100
14) 3-Chloropropene	3.77	237	1456793	193.54 ug/L	100
15) 112-Trichl-122-Trifl-Ethan	3.28	189	2002834	212.33 ug/L	99
16) Methylene Chloride	3.97	256	2568596	187.26 ug/L	96
17) Acrylonitrile	4.37	295	758253	215.09 ug/L	99
18) trans-1,2-Dichloroethene	4.40	297	2221581	202.24 ug/L	97
19) 1,1-Dichloroethane	5.06	361	4364878	192.56 ug/L	100
20) Chloroprene	5.21	376	4410169	199.47 ug/L	98
21) Vinyl Acetate	5.22	377	4488596	204.36 ug/L	98
22) 2,2-Dichloropropane	5.98	450	3754805	202.87 ug/L	100
23) cis-1,2-Dichloroethene	5.99	451	4386067	199.38 ug/L	97
24) 2-Butanone	6.09	461	219526	190.78 ug/L	90
25) Propionitrile	6.16	468	2866432	2120.61 ug/L #	96
26) Bromochloromethane	6.36	487	1188294	205.06 ug/L	92
27) Methacrylonitrile	6.39	490	18200128	2083.08 ug/L	98
28) Chloroform	6.54	504	4485929	189.46 ug/L	100
29) 1,1,1-Trichloroethane	6.77	527	3478926	205.13 ug/L	97
33) Isobutanol	7.50	597	1664734	4496.23 ug/L #	97
34) 1,4-Dioxane	9.05	747	392192	4875.60 ug/L	96
35) 1,2-Dichloroethane	7.38	586	3693694	206.65 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
36)	Carbon Tetrachloride	7.04	553	2709297	217.54	ug/L		99
37)	1,1-Dichloropropene	7.05	554	3761865	213.10	ug/L		97
38)	Benzene	7.36	584	10727289	209.45	ug/L		100
39)	Trichloroethene	8.42	686	2162737	214.40	ug/L		98
40)	Dibromomethane	8.93	735	1374478	210.00	ug/L		97
41)	1,2-Dichloropropane	8.74	717	2779713	210.04	ug/L		99
42)	Methyl Methacrylate	9.05	747	1481311	230.18	ug/L		98
43)	Bromodichloromethane	9.23	764	3155167	203.01	ug/L		100
44)	2-Chloroethyl-vinyl-ether	9.67	807	10834	206.61	ug/L	#	100
45)	cis-1,3-Dichloropropene	9.95	834	4129947	218.72	ug/L		99
46)	4-Methyl-2-pentanone	10.26	864	2217327	227.49	ug/L		99
48)	Toluene	10.48	885	11464652	216.64	ug/L		99
49)	trans-1,3-Dichloropropene	10.87	923	3616943	222.14	ug/L		100
50)	1,1,2-Trichloroethane	11.16	951	1904258	226.25	ug/L		97
53)	Dibromoethane	11.94	1026	1679419	220.25	ug/L		100
54)	Ethyl Methacrylate	11.11	946	3173703	241.14	ug/L	#	97
55)	Tetrachloroethene	11.38	972	2012395	222.89	ug/L		98
56)	1,3-Dichloropropane	11.42	976	3854639	223.64	ug/L		99
57)	2-Hexanone	11.64	997	1450537	231.58	ug/L		98
58)	Dibromochloromethane	11.80	1013	1884442	216.86	ug/L		99
59)	Chlorobenzene	12.80	1109	6069874	215.39	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.96	1125	1920981	225.01	ug/L		100
61)	Ethylbenzene	13.02	1131	3321070	220.22	ug/L		99
62)	Meta + Para Xylene	13.24	1152	9573044	463.67	ug/L		83
63)	Ortho Xylene	13.90	1216	4351715	228.92	ug/L		99
64)	Xylene (total)	13.24	1152	13930444	692.51	ug/L	m	82
65)	Styrene	13.93	1219	8095073	226.47	ug/L		96
67)	Bromoform	14.19	1244	1133740	215.87	ug/L		99
68)	Isopropylbenzene	14.56	1280	11343453	212.91	ug/L		99
69)	Bromobenzene	15.02	1324	2327470	207.79	ug/L		97
70)	1,1,2,2-Tetrachloroethane	15.09	1331	2120693	204.63	ug/L		99
71)	1,2,3-Trichloropropane	15.12	1334	578541	199.34	ug/L		96
72)	trans-1,4-dichloro-2-buten	15.19	1340	790940	205.95	ug/L		97
73)	n-Propylbenzene	15.29	1350	14501535	203.23	ug/L		100
74)	2-Chlorotoluene	15.39	1360	8342483	200.11	ug/L		99
75)	4-Chlorotoluene	15.59	1379	10222829	207.83	ug/L		100
76)	1,3,5-Trimethylbenzene	15.62	1382	9531702	208.68	ug/L		99
77)	tert-Butylbenzene	16.17	1435	8245268	216.62	ug/L		99
78)	Pentachloroethane	16.17	1435	1020431	199.75	ug/L		98
79)	1,2,4-Trimethylbenzene	16.26	1444	9343189	206.58	ug/L		99
80)	sec-Butylbenzene	16.56	1473	12229982	211.35	ug/L		100
81)	1,3-Dichlorobenzene	16.70	1486	4564290	206.21	ug/L		100
82)	p-Isopropyltoluene	16.84	1500	10623178	215.18	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
83) 1,4-Dichlorobenzene	16.86	1502	5382836	210.88 ug/L	99
84) 1,2-Dichlorobenzene	17.49	1563	4134203	210.57 ug/L	100
85) n-Butylbenzene	17.56	1570	10900065	207.65 ug/L	99
86) DBCP	18.88	1697	385148	206.41 ug/L	96
87) 1,2,4-Trichlorobenzene	20.40	1844	2538555	226.90 ug/L	100
88) Hexachlorobutadiene	20.77	1880	1094199	235.50 ug/L	99
89) Naphthalene	20.80	1883	5491552	218.21 ug/L	100
90) 1,2,3-Trichlorobenzene	21.26	1927	2191553	222.50 ug/L	99

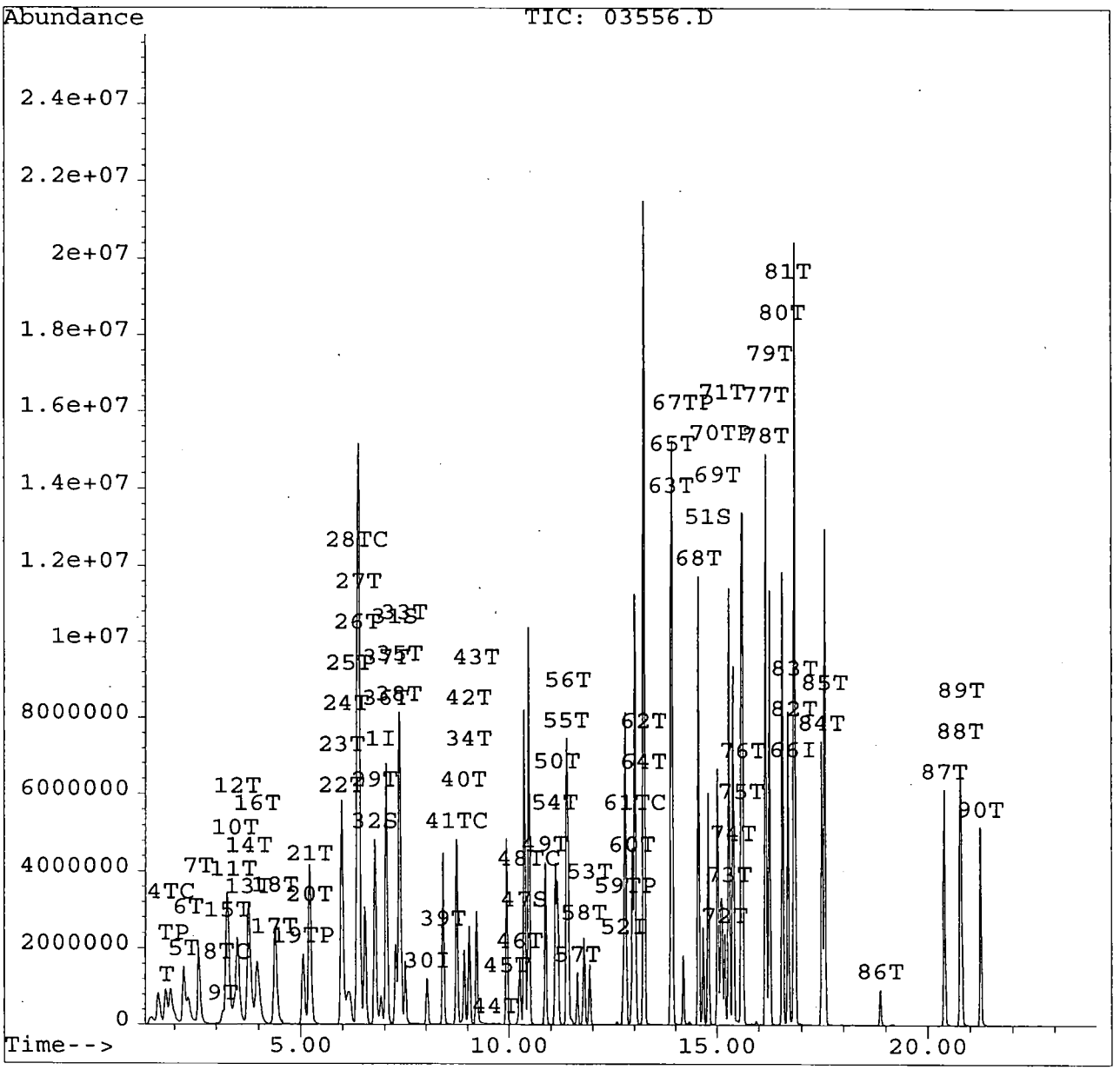
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_17_98\03556.d
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

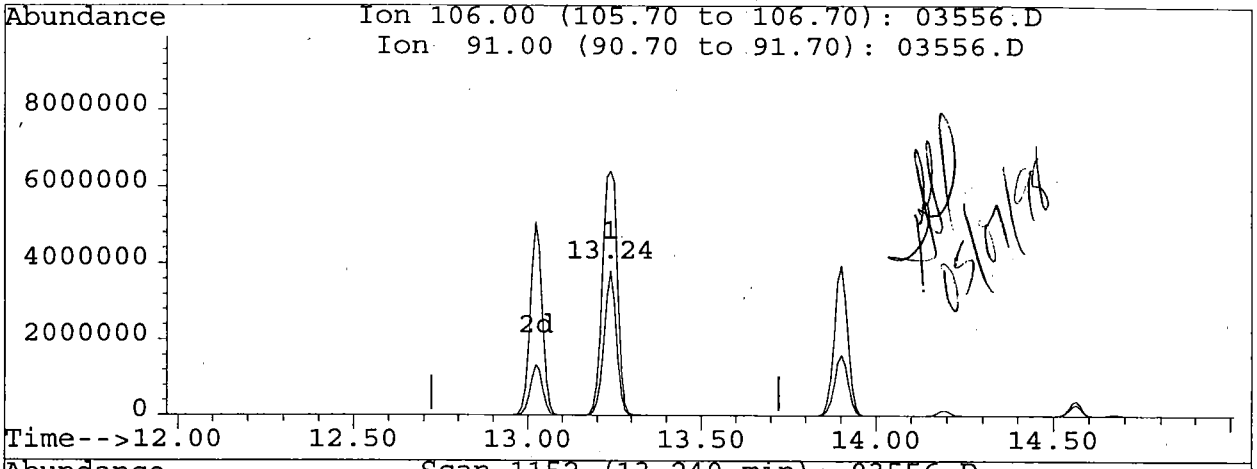


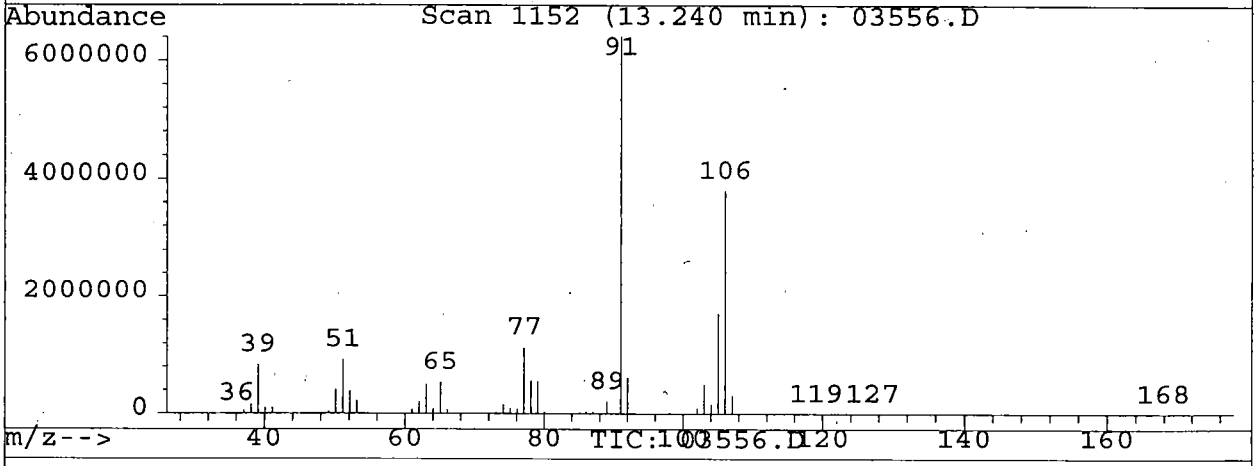
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_17_98\03556.D
Acq On : 17 Apr 98 1:41 pm
Sample : VSTD200
Misc :
Quant Time: Apr 24 14:30 1998

Vial: 10
Operator: KEERAN
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_17_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





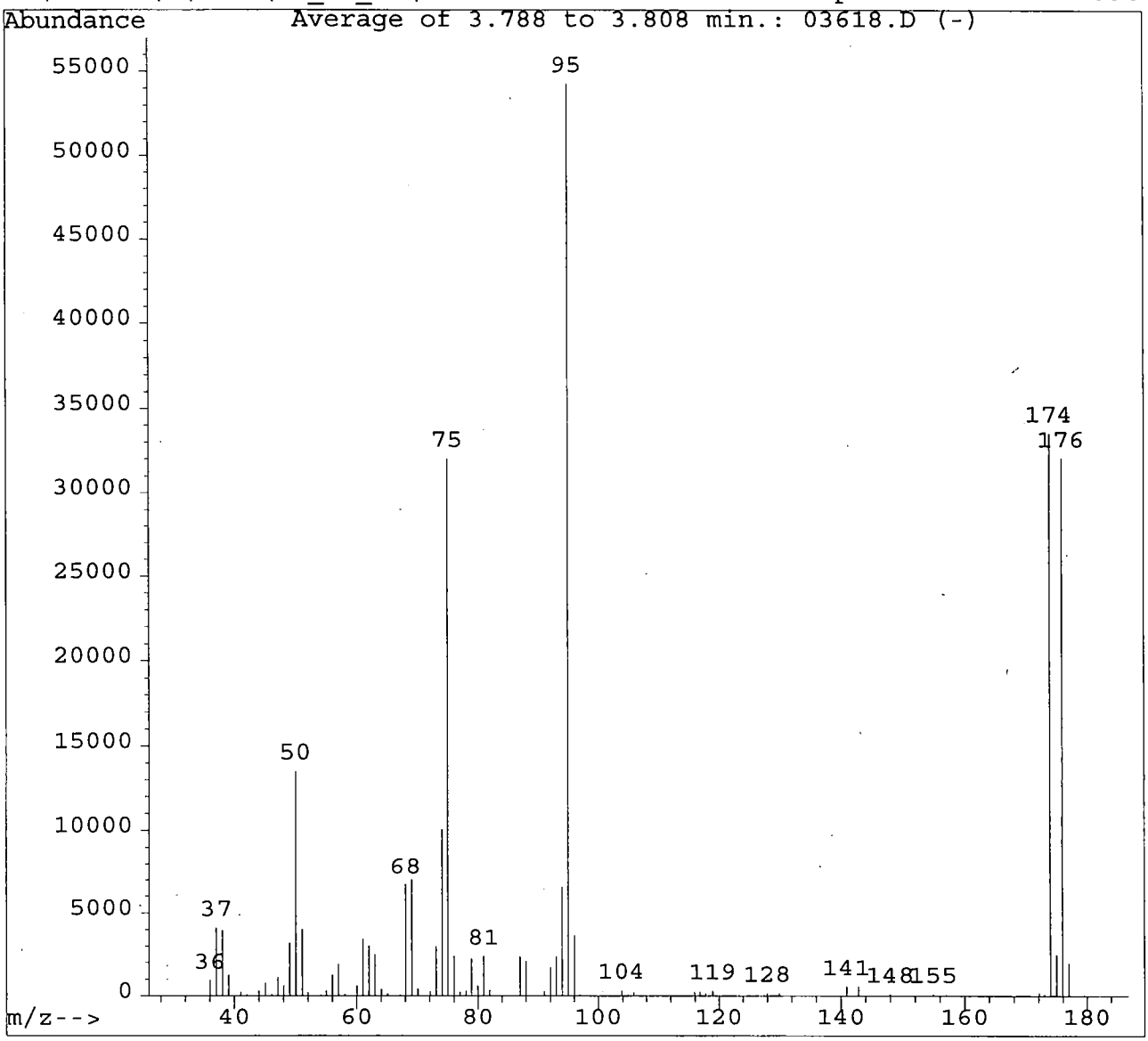
(64) Xylene (total) (T)
13.24min 692.51ug/L m
response 13930444

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	168.68
0.00	0.00	0.00
0.00	0.00	0.00

03556.D W8260ALL.M Fri Apr 24 15:27:14 1998 RP1

CLP 3/90 BFB TUNE CHECK Results

C:\HPCHEM\1\DATA\04_29_98\03618.D Wed Apr 29 11:12:21 1998



Peak Apex is scan: 170
Average of 3 scans: 169,170,171 minus background scan 162

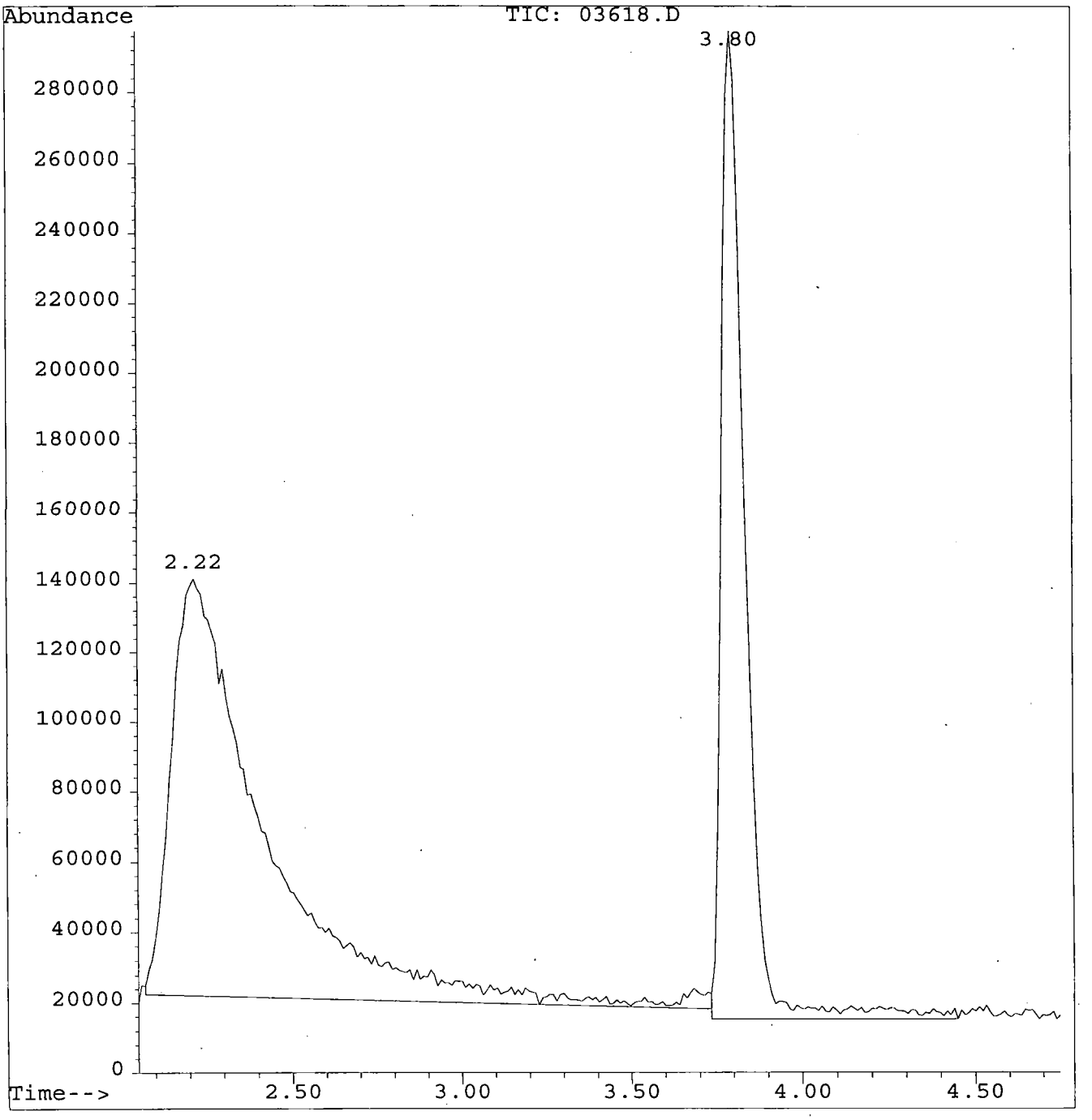
Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
50	95	8	40	24.9	PASS
75	95	30	66	59.0	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.7	PASS
173	174	0	2	0.4	PASS
174	95	50	120	61.9	PASS
175	174	4	9	7.5	PASS
176	174	93	101	95.5	PASS
177	176	5	9	6.2	PASS

Area Percent Report

Data File : C:\HPCHEM\1\DATA\04_29_98\03618.D
Acq On : 29 Apr 98 11:06 am
Sample : BFB 50NG INJ
Misc :

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB90.M
Title :



03618.D BFB90.M Wed Apr 29 11:12:16 1998 RP1

Average of 3.788 to 3.808 min.: 03618.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	973	49.00	3231	61.00	3465	72.10	303
37.05	4135	50.00	13536	62.00	3059	73.05	3010
38.05	4015	51.05	4073	63.00	2521	74.05	10102
39.05	1261	52.00	237	64.05	434	75.00	32044
41.05	225	54.10	44	64.85	46	76.00	2404
42.05	111	55.00	335	64.95	33	76.95	239
44.00	339	56.00	1265	65.10	151	78.00	334
45.05	771	57.00	1913	67.15	92	78.90	2257
46.05	128	57.70	47	68.05	6743	79.95	621
47.05	1105	58.05	133	69.05	7053	80.95	2417
48.05	627	60.05	637	70.05	460	81.95	390

Average of 3.788 to 3.808 min.: 03618.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.05	63	103.85	357	128.90	38	149.90	35
85.95	58	104.95	80	129.10	58	154.90	135
87.00	2391	105.85	220	129.90	167	157.00	68
88.00	2107	106.75	42	131.00	35	158.90	63
91.00	288	114.75	38	134.90	42	169.15	36
92.00	1720	115.10	36	140.90	584	172.05	215
93.00	2389	115.95	261	141.90	39	172.95	126
94.00	6557	116.85	286	142.85	576	173.95	33578
95.00	54281	117.80	172	145.60	38	174.95	2503
96.05	3650	118.95	321	147.70	34	175.95	32070
96.95	86	127.95	178	147.95	129	176.95	1996

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\04_29_98\03619.D Vial: 9
Acq On : 29 Apr 98 11:27 am Operator:
Sample : VSTD50 Inst : VOA8
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.756	1.023	-35.3#	235#	0.00
3	TP	Chloromethane	0.988	1.201	-21.5	116	0.00
4	TC	Vinyl Chloride	0.906	1.034	-14.1	120	0.00
5	T	Bromomethane	1.109	0.993	10.5	80	0.00
6	T	Chloroethane	0.653	0.706	-8.1	87	0.00
7	T	Trichlorofluoromethane	1.046	1.155	-10.4	155#	0.00
8	TC	1,1-Dichloroethene	0.582	0.599	-2.9	110	0.00
9	T	Acrolein	0.123	0.120	2.9	100	0.00
10	T	Iodomethane	0.710	0.535	24.7	65	0.00
11	T	Acetone	0.293	0.244	16.9	109	0.00
12	T	Carbon Disulfide	2.420	2.451	-1.3	101	0.00
13	T	Acetonitrile	0.241	0.201	16.7	81	0.00
14	T	3-Chloropropene	0.449	0.310	31.0#	66	0.00
15	T	112-Trichl-122-Trifl-Ethane	0.563	0.004	99.3#	1#	0.00
16	T	Methylene Chloride	0.818	0.791	3.4	91	0.00
17	T	Acrylonitrile	0.210	0.209	0.6	103	0.00
18	T	trans-1,2-Dichloroethene	0.655	0.654	0.2	99	0.00
19	TP	1,1-Dichloroethane	1.352	1.389	-2.7	97	0.00
20	T	Chloroprene	1.319	1.364	-3.4	103	0.00
21	T	Vinyl Acetate	1.157	1.278	-10.4	99	0.00
22	T	2,2-Dichloropropane	1.104	1.193	-8.1	104	0.00
23	T	cis-1,2-Dichloroethene	1.312	1.310	0.2	95	0.00
24	T	2-Butanone	0.069	0.069	-0.2	105	0.00
25	T	Propionitrile	0.081	0.081	-0.3	105	0.00
26	T	Bromochloromethane	0.346	0.332	4.0	92	0.00
27	T	Methacrylonitrile	0.521	0.510	2.2	98	0.00
28	TC	Chloroform	1.413	1.320	6.6	91	0.00
29	T	1,1,1-Trichloroethane	1.012	1.063	-5.0	106	0.00
30	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
31	S	1,2-Dichloroethane-d4	0.450	0.468	-4.0	98	0.00
32	S	Dibromofluoromethane	0.317	0.327	-3.2	98	0.00
33	T	Isobutanol	0.012	0.013	-6.9	107	0.00
34	T	1,4-Dioxane	0.003	0.003	-6.3	112	0.00
35	T	1,2-Dichloroethane	0.591	0.616	-4.2	95	0.00
36	T	Carbon Tetrachloride	0.412	0.444	-7.9	113	0.00
37	T	1,1-Dichloropropene	0.584	0.605	-3.7	104	0.00
38	T	Benzene	1.693	1.726	-2.0	91	0.00
39	T	Trichloroethene	0.333	0.336	-0.8	98	0.00
40	T	Dibromomethane	0.216	0.222	-2.6	98	0.00
41	TC	1,2-Dichloropropane	0.438	0.444	-1.5	94	0.00
42	T	Methyl Methacrylate	0.213	0.223	-4.9	102	0.00
43	T	Bromodichloromethane	0.514	0.522	-1.6	95	0.00
44	T	2-Chloroethyl-vinyl-ether	0.002	0.002	0.7	96	0.00
45	T	cis-1,3-Dichloropropene	0.624	0.640	-2.6	96	0.00

46	T	4-Methyl-2-pentanone	0.322	0.335	-4.0	104	0.00
47	S	Toluene-d8	1.312	1.342	-2.3	93	0.00
48	TC	Toluene	1.750	1.749	0.0	91	0.00
49	T	trans-1,3-Dichloropropene	0.538	0.549	-2.0	95	0.00
50	T	1,1,2-Trichloroethane	0.278	0.284	-2.1	100	0.00
51	S	Bromofluorobenzene	0.496	0.526	-6.1	99	0.00
52	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
53	T	Dibromoethane	0.293	0.326	-11.4	108	0.00
54	T	Ethyl Methacrylate	0.506	0.514	-1.5	100	0.00
55	T	Tetrachloroethene	0.347	0.315	9.1	103	0.00
56	T	1,3-Dichloropropane	0.662	0.660	0.3	97	0.00
57	T	2-Hexanone	0.241	0.251	-4.1	106	0.00
58	T	Dibromochloromethane	0.334	0.343	-2.6	98	0.00
59	TP	Chlorobenzene	1.083	1.076	0.6	91	0.00
60	T	1,1,1,2-Tetrachloroethane	0.328	0.331	-0.7	97	0.00
61	TC	Ethylbenzene	0.580	0.578	0.2	92	0.00
62	T	Meta + Para Xylene	0.793	0.755	4.8	89	0.00
63	T	Ortho Xylene	0.731	0.719	1.5	91	0.00
64	T	Xylene (total)	0.773	0.744	3.8	90	0.00
65	T	Styrene	1.374	1.346	2.0	90	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
67	TP	Bromoform	0.359	0.372	-3.8	102	0.00
68	T	Isopropylbenzene	3.639	3.633	0.2	91	0.00
69	T	Bromobenzene	0.765	0.771	-0.9	92	0.00
70	TP	1,1,2,2-Tetrachloroethane	0.708	0.745	-5.3	101	0.00
71	T	1,2,3-Trichloropropane	0.198	0.202	-1.8	100	0.00
72	T	trans-1,4-dichloro-2-buten	0.262	0.185	29.6#	66	0.00
73	T	n-Propylbenzene	4.873	4.806	1.4	89	0.00
74	T	2-Chlorotoluene	2.847	2.854	-0.3	89	0.00
75	T	4-Chlorotoluene	3.359	3.368	-0.3	90	0.00
76	T	1,3,5-Trimethylbenzene	3.119	3.030	2.9	87	0.00
77	T	tert-Butylbenzene	2.599	2.591	0.3	90	0.00
78	T	Pentachloroethane	0.288	0.367	-27.3#	92	0.00
79	T	1,2,4-Trimethylbenzene	3.089	3.122	-1.1	90	0.00
80	T	sec-Butylbenzene	3.952	3.806	3.7	91	0.00
81	T	1,3-Dichlorobenzene	1.512	1.476	2.4	89	0.00
82	T	p-Isopropyltoluene	3.372	3.048	9.6	86	0.00
83	T	1,4-Dichlorobenzene	1.743	1.653	5.2	87	0.00
84	T	1,2-Dichlorobenzene	1.341	1.351	-0.8	93	0.00
85	T	n-Butylbenzene	3.585	3.341	6.8	86	0.00
86	T	DBCP	0.127	0.131	-2.9	106	0.00
87	T	1,2,4-Trichlorobenzene	0.764	0.779	-2.0	97	0.00
88	T	Hexachlorobutadiene	0.317	0.301	5.0	97	0.00
89	T	Naphthalene	1.719	1.814	-5.5	102	0.00
90	T	1,2,3-Trichlorobenzene	0.673	0.696	-3.4	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

03619.D W8260ALL.M Wed Apr 29 13:50:40 1998 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_29_98\03619.D
Acq On : 29 Apr 98 11:27 am
Sample : VSTD50
Misc :
Quant Time: Apr 29 13:48 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.90	539	622125	50.00	ug/L	-0.02
30) 1,4-Difluorobenzene	8.02	647	1152884	50.00	ug/L	-0.01
52) Chlorobenzene-d5	12.73	1103	1020222	50.00	ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	16.80	1496	525580	50.00	ug/L	-0.01
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.25	573	539410	51.98	ug/L	103.96%
32) Dibromofluoromethane	6.75	525	377418	51.60	ug/L	103.19%
47) Toluene-d8	10.35	873	1547632	51.17	ug/L	102.33%
51) Bromofluorobenzene	14.77	1300	606624	53.03	ug/L	106.07%
Target Compounds						**Qvalue**
2) Dichlorodifluoromethane	1.63	30	636690	72.03	ug/L	99
3) Chloromethane	1.80	46	747245	60.77	ug/L	98
4) Vinyl Chloride	1.91	57	642997	57.04	ug/L	99
5) Bromomethane	2.22	87	617585	60.08	ug/L	98
6) Chloroethane	2.35	99	439443	75.00	ug/L	100
7) Trichlorofluoromethane	2.65	128	718441	52.70	ug/L	99
8) 1,1-Dichloroethene	3.27	188	372621	51.45	ug/L	100
9) Acrolein	3.12	174	74361	48.54	ug/L	93
10) Iodomethane	3.45	206	332745	37.67	ug/L	100
11) Acetone	3.34	195	151743	60.34	ug/L	97
12) Carbon Disulfide	3.53	213	1524596	50.64	ug/L	100
13) Acetonitrile	3.76	236	1248290	416.68	ug/L	100
14) 3-Chloropropene	3.77	237	192703	34.49	ug/L	100
16) Methylene Chloride	3.96	255	491907	48.31	ug/L	99
17) Acrylonitrile	4.33	291	130050	49.69	ug/L	98
18) trans-1,2-Dichloroethene	4.39	296	406919	49.90	ug/L	98
19) 1,1-Dichloroethane	5.05	360	864181	51.36	ug/L	100
20) Chloroprene	5.20	375	848876	51.72	ug/L	100
21) Vinyl Acetate	5.19	374	794914	48.75	ug/L	99
22) 2,2-Dichloropropane	5.97	449	742366	54.03	ug/L	100
23) cis-1,2-Dichloroethene	5.98	450	814689	49.89	ug/L	100
24) 2-Butanone	6.03	455	42785	50.09	ug/L	98
25) Propionitrile	6.08	460	502990	501.27	ug/L	99
26) Bromochloromethane	6.34	485	206442	47.99	ug/L	99
27) Methacrylonitrile	6.34	485	3172458	489.12	ug/L	99
28) Chloroform	6.52	502	821045	46.71	ug/L	99
29) 1,1,1-Trichloroethane	6.76	526	661203	52.52	ug/L	98
33) Isobutanol	7.40	587	301675	1068.89	ug/L #	98
34) 1,4-Dioxane	9.00	742	65201	1063.35	ug/L	97
35) 1,2-Dichloroethane	7.37	585	709911	52.10	ug/L	100
36) Carbon Tetrachloride	7.03	552	512220	53.95	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_29_98\03619.D Vial: 9
Acq On : 29 Apr 98 11:27 am Operator:
Sample : VSTD50 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: Apr 29 13:48 1998

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
37) 1,1-Dichloropropene	7.03	552	698042	51.87 ug/L	98
38) Benzene	7.34	582	1990349	50.98 ug/L	100
39) Trichloroethene	8.40	684	387683	50.42 ug/L	100
40) Dibromomethane	8.91	733	255990	51.31 ug/L	97
41) 1,2-Dichloropropane	8.72	715	511889	50.74 ug/L	98
42) Methyl Methacrylate	9.01	743	257251	52.44 ug/L	99
43) Bromodichloromethane	9.20	761	601775	50.79 ug/L	99
44) 2-Chloroethyl-vinyl-ether	9.66	806	2123	53.11 ug/L #	100
45) cis-1,3-Dichloropropene	9.93	832	738083	51.28 ug/L	100
46) 4-Methyl-2-pentanone	10.21	859	386465	52.01 ug/L	99
48) Toluene	10.46	883	2016372	49.98 ug/L	100
49) trans-1,3-Dichloropropene	10.85	921	633147	51.01 ug/L	100
50) 1,1,2-Trichloroethane	11.13	948	327476	51.04 ug/L	90
53) Dibromoethane	11.91	1023	333073	55.71 ug/L	99
54) Ethyl Methacrylate	11.08	943	523893	50.77 ug/L #	99
55) Tetrachloroethene	11.37	971	321750	45.45 ug/L	97
56) 1,3-Dichloropropane	11.39	973	673810	49.86 ug/L	99
57) 2-Hexanone	11.60	993	255673	52.06 ug/L	99
58) Dibromochloromethane	11.76	1009	349636	51.31 ug/L	99
59) Chlorobenzene	12.78	1107	1097717	49.68 ug/L	100
60) 1,1,1,2-Tetrachloroethane	12.93	1122	337189	50.37 ug/L	99
61) Ethylbenzene	13.00	1129	590079	49.90 ug/L	100
62) Meta + Para Xylene	13.21	1149	1540826	95.18 ug/L	100
63) Ortho Xylene	13.88	1214	733955	49.24 ug/L	100
64) Xylene (total)	13.21	1149	2276332	144.32 ug/L m	99
65) Styrene	13.90	1216	1372934	48.98 ug/L	99
67) Bromoform	14.17	1242	195620	51.89 ug/L	100
68) Isopropylbenzene	14.54	1278	1909251	49.92 ug/L	100
69) Bromobenzene	14.99	1321	405474	50.43 ug/L	99
70) 1,1,2,2-Tetrachloroethane	15.06	1328	391786	52.66 ug/L	98
71) 1,2,3-Trichloropropane	15.09	1331	106089	50.92 ug/L	97
72) trans-1,4-dichloro-2-buten	15.16	1338	97082	35.21 ug/L	97
73) n-Propylbenzene	15.26	1347	2526102	49.31 ug/L	100
74) 2-Chlorotoluene	15.36	1357	1500129	50.13 ug/L	100
75) 4-Chlorotoluene	15.56	1376	1770178	50.13 ug/L	99
76) 1,3,5-Trimethylbenzene	15.59	1379	1592640	48.57 ug/L	100
77) tert-Butylbenzene	16.15	1433	1361871	49.84 ug/L	99
78) Pentachloroethane	16.14	1432	192910	52.60 ug/L	98
79) 1,2,4-Trimethylbenzene	16.24	1442	1641119	50.54 ug/L	99
80) sec-Butylbenzene	16.54	1471	2000477	48.16 ug/L	100
81) 1,3-Dichlorobenzene	16.68	1484	775625	48.81 ug/L	99
82) p-Isopropyltoluene	16.82	1498	1601810	45.20 ug/L	100
83) 1,4-Dichlorobenzene	16.84	1500	868963	47.42 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_29_98\03619.D Vial: 9
Acq On : 29 Apr 98 11:27 am Operator:
Sample : VSTD50 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: Apr 29 13:48 1998

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc Unit	Qvalue
84)	1,2-Dichlorobenzene	17.48	1562	710202	50.39 ug/L	99
85)	n-Butylbenzene	17.54	1568	1755989	46.60 ug/L	100
86)	DBCP	18.86	1695	68904	51.44 ug/L	98
87)	1,2,4-Trichlorobenzene	20.38	1842	409491	50.99 ug/L	99
88)	Hexachlorobutadiene	20.75	1878	158347	47.48 ug/L	100
89)	Naphthalene	20.78	1881	953446	52.77 ug/L	100
90)	1,2,3-Trichlorobenzene	21.24	1925	365605	51.71 ug/L	100

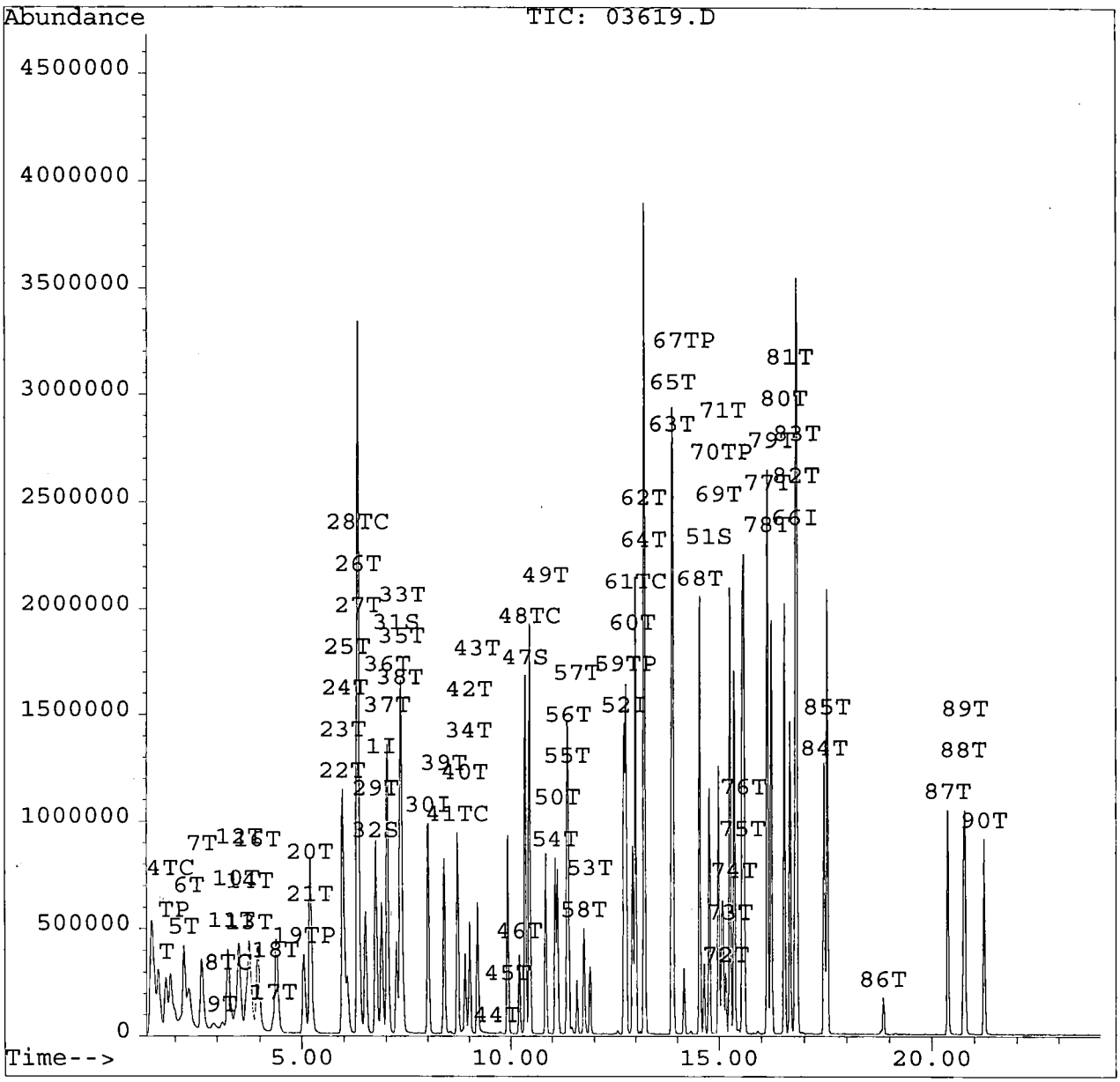
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_29_98\03619.D
Acq On : 29 Apr 98 11:27 am
Sample : VSTD50
Misc :
Quant Time: Apr 29 13:48 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

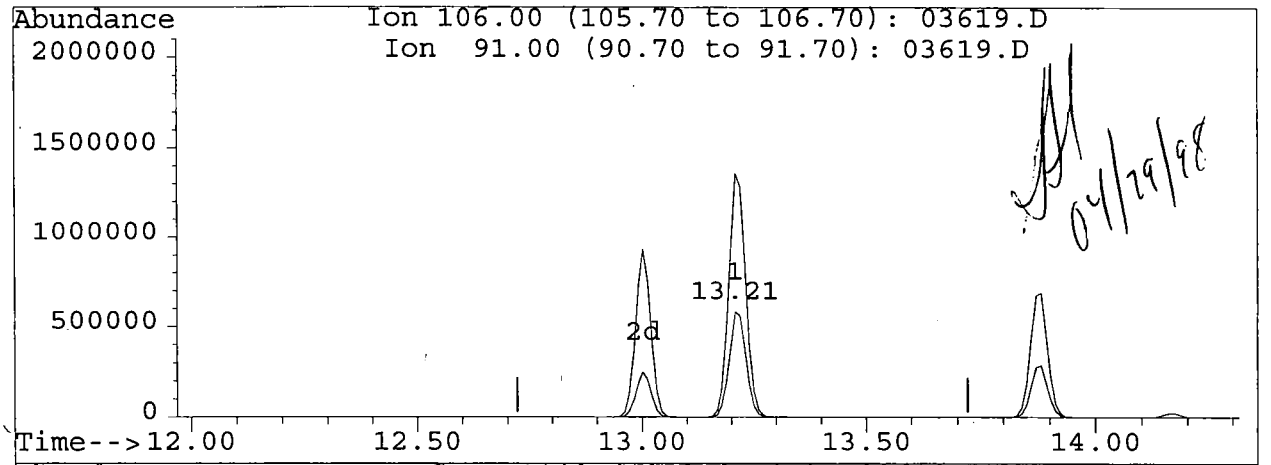


Quantitation Report

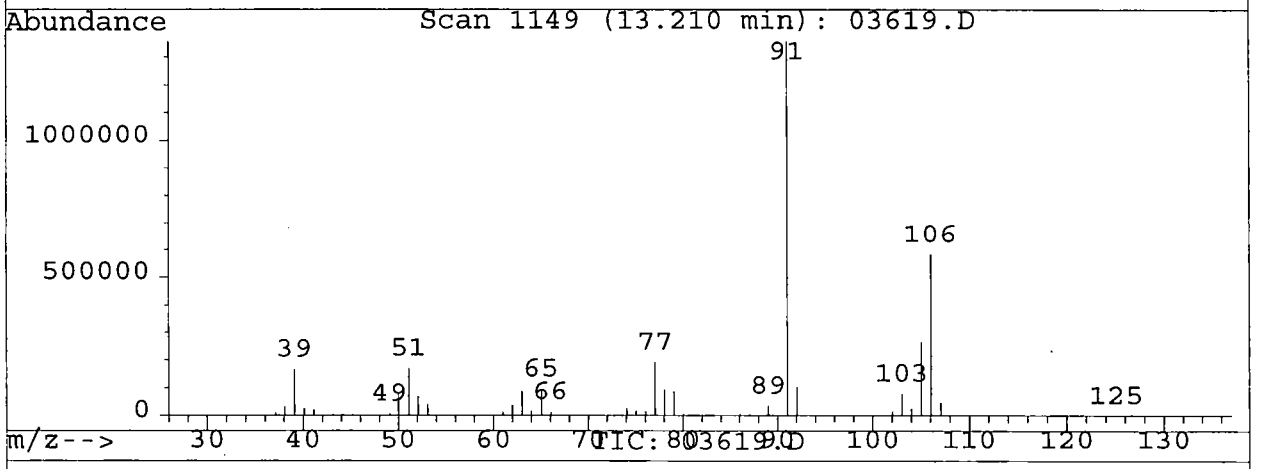
Data File : C:\HPCHEM\1\DATA\04_29_98\03619.D
Acq On : 29 Apr 98 11:27 am
Sample : VSTD50
Misc :
Quant Time: Apr 29 13:48 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration



04/29/98



(64) Xylene (total) (T)
13.21min 144.32ug/L m
response 2276332

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	232.08
0.00	0.00	0.00
0.00	0.00	0.00

Compound List Report VOA8

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene	168	6.90	1.000	A	2	A	R
2	T	Dichlorodifluoromethane	85	1.63	0.237	LO	1	A	B
3	T	Chloromethane	50	1.80	0.261	A	1	A	R
4	T	Vinyl Chloride	62	1.91	0.277	A	1	A	R
5	T	Bromomethane	94	2.22	0.322	LO	1	A	B
6	T	Chloroethane	64	2.35	0.340	LO	1	A	R
7	T	Trichlorofluoromethane	101	2.65	0.384	LO	2	A	R
8	T	1,1-Dichloroethene	96	3.27	0.474	A	2	A	R
9	T	Acrolein	56	3.12	0.453	A	1	A	B
10	T	Iodomethane	142	3.45	0.501	A	2	A	B
11	T	Acetone	43	3.34	0.484	LO	1	A	R
12	T	Carbon Disulfide	76	3.53	0.511	A	1	A	R
13	T	Acetonitrile	41	3.76	0.546	A	0	A	R
14	T	3-Chloropropene	76	3.77	0.547	A	0	A	R
15	T	112-Trichl-122-Trifl-Ethane	101	3.30	0.478	A	1	A	R
16	T	Methylene Chloride	84	3.96	0.574	A	1	A	R
17	T	Acrylonitrile	53	4.33	0.628	A	2	A	B
18	T	trans-1,2-Dichloroethene	96	4.39	0.636	A	2	A	R
19	T	1,1-Dichloroethane	63	5.05	0.732	A	1	A	R
20	T	Chloroprene	53	5.20	0.754	A	3	A	B
21	T	Vinyl Acetate	43	5.19	0.753	LO	1	A	B
22	T	2,2-Dichloropropane	77	5.97	0.865	A	1	A	B
23	T	cis-1,2-Dichloroethene	61	5.98	0.867	A	1	A	R
24	T	2-Butanone	72	6.03	0.874	A	1	A	R
25	T	Propionitrile	54	6.08	0.882	A	3	A	B
26	T	Bromochloromethane	128	6.34	0.919	A	2	A	B
27	T	Methacrylonitrile	41	6.34	0.919	A	3	A	B
28	T	Chloroform	83	6.52	0.945	A	1	A	R
29	T	1,1,1-Trichloroethane	97	6.76	0.981	A	2	A	R
30	I	1,4-Difluorobenzene	114	8.02	1.000	A	2	A	R
31	S	1,2-Dichloroethane-d4	65	7.25	0.904	A	2	A	B
32	S	Dibromofluoromethane	113	6.75	0.843	A	1	A	R
33	T	Isobutanol	43	7.40	0.923	A	3	A	B
34	T	1,4-Dioxane	88	9.00	1.123	A	3	A	B
35	T	1,2-Dichloroethane	62	7.37	0.920	A	1	A	R
36	T	Carbon Tetrachloride	117	7.03	0.877	A	2	A	B
37	T	1,1-Dichloropropene	75	7.03	0.877	A	1	A	B
38	T	Benzene	78	7.34	0.916	A	0	A	R
39	T	Trichloroethene	130	8.40	1.048	A	3	A	R
40	T	Dibromomethane	93	8.91	1.111	A	2	A	B
41	T	1,2-Dichloropropane	63	8.72	1.088	A	1	A	R
42	T	Methyl Methacrylate	69	9.01	1.124	A	3	A	B
43	T	Bromodichloromethane	83	9.20	1.147	A	2	A	R
44	T	2-Chloroethyl-vinyl-ether	63	9.66	1.205	LO	1	A	B
45	T	cis-1,3-Dichloropropene	75	9.93	1.239	A	1	A	R
46	T	4-Methyl-2-pentanone	43	10.21	1.274	A	3	A	R
47	S	Toluene-d8	98	10.35	1.292	A	1	A	R
48	T	Toluene	91	10.46	1.305	A	1	A	R
49	T	trans-1,3-Dichloropropene	75	10.85	1.354	A	0	A	R
50	T	1,1,2-Trichloroethane	97	11.13	1.388	A	3	A	R
51	S	Bromofluorobenzene	95	14.77	1.843	A	2	A	R

52	I		Chlorobenzene-d5	117	12.73	1.000	A	1	A	B
53		T	Dibromoethane	107	11.91	0.935	A	2	A	B
54		T	Ethyl Methacrylate	69	11.08	0.870	A	3	A	B
55		T	Tetrachloroethene	164	11.37	0.893	A	3	A	R
56		T	1,3-Dichloropropane	76	11.39	0.894	A	1	A	B
57		T	2-Hexanone	43	11.60	0.911	A	2	A	R
58		T	Dibromochloromethane	129	11.76	0.924	A	1	A	R
59		T	Chlorobenzene	112	12.78	1.003	A	1	A	R
60		T	1,1,1,2-Tetrachloroethane	131	12.93	1.015	A	2	A	B
61		T	Ethylbenzene	106	13.00	1.021	A	1	A	R
62		T	Meta + Para Xylene	106	13.21	1.037	A	1	A	R
63		T	Ortho Xylene	106	13.88	1.090	A	1	A	B
64		T	Xylene (total)	106	13.21	1.037	A	1	A	B
65		T	Styrene	104	13.90	1.092	A	3	A	R
66	I		1,4-Dichlorobenzene-d4	152	16.80	1.000	A	0	A	R
67		T	Bromoform	173	14.17	0.844	A	2	A	B
68		T	Isopropylbenzene	105	14.54	0.866	A	1	A	B
69		T	Bromobenzene	156	14.99	0.892	A	2	A	B
70		T	1,1,2,2-Tetrachloroethane	83	15.06	0.897	A	2	A	R
71		T	1,2,3-Trichloropropane	77	15.09	0.898	A	1	A	B
72		T	trans-1,4-dichloro-2-buten	53	15.16	0.903	A	1	A	B
73		T	n-Propylbenzene	91	15.26	0.908	A	1	A	B
74		T	2-Chlorotoluene	91	15.36	0.914	A	1	A	B
75		T	4-Chlorotoluene	91	15.56	0.926	A	1	A	B
76		T	1,3,5-Trimethylbenzene	105	15.59	0.928	A	1	A	B
77		T	tert-Butylbenzene	119	16.15	0.961	A	1	A	B
78		T	Pentachloroethane	167	16.14	0.961	LO	3	A	B
79		T	1,2,4-Trimethylbenzene	105	16.24	0.967	A	1	A	B
80		T	sec-Butylbenzene	105	16.54	0.985	A	1	A	B
81		T	1,3-Dichlorobenzene	146	16.68	0.993	A	2	A	B
82		T	p-Isopropyltoluene	119	16.82	1.001	A	1	A	B
83		T	1,4-Dichlorobenzene	146	16.84	1.002	A	2	A	B
84		T	1,2-Dichlorobenzene	146	17.48	1.041	A	2	A	B
85		T	n-Butylbenzene	91	17.54	1.044	A	1	A	B
86		T	DBCP	75	18.86	1.123	A	2	A	B
87		T	1,2,4-Trichlorobenzene	180	20.38	1.213	A	1	A	B
88		T	Hexachlorobutadiene	225	20.75	1.235	A	1	A	B
89		T	Naphthalene	128	20.78	1.237	A	0	A	B
90		T	1,2,3-Trichlorobenzene	180	21.24	1.264	A	1	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

W8260ALL.M Wed Apr 29 13:51:12 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03620.d
Acq On : 29 Apr 98 12:24 pm
Sample : MB*NONE*1
Misc :
Quant Time: Apr 30 12:45 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.90	539	666051	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.02	647	1260791	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.73	1102	1092290	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.80	1496	496630	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.25	573	599047	52.79	ug/L	105.57%
32) Dibromofluoromethane	6.76	525	400564	50.07	ug/L	100.15%
47) Toluene-d8	10.36	873	1718502	51.95	ug/L	103.90%
51) Bromofluorobenzene	14.76	1299	632331	50.55	ug/L	101.10%
Target Compounds						**Qvalue**
2) Dichlorodifluoromethane	1.64	30	10465	1.11	ug/L	95
11) Acetone	3.35	196	14449	5.37	ug/L	98
16) Methylene Chloride	3.96	255	20331	1.86	ug/L	98
89) Naphthalene	20.79	1881	13185	0.77	ug/L	100

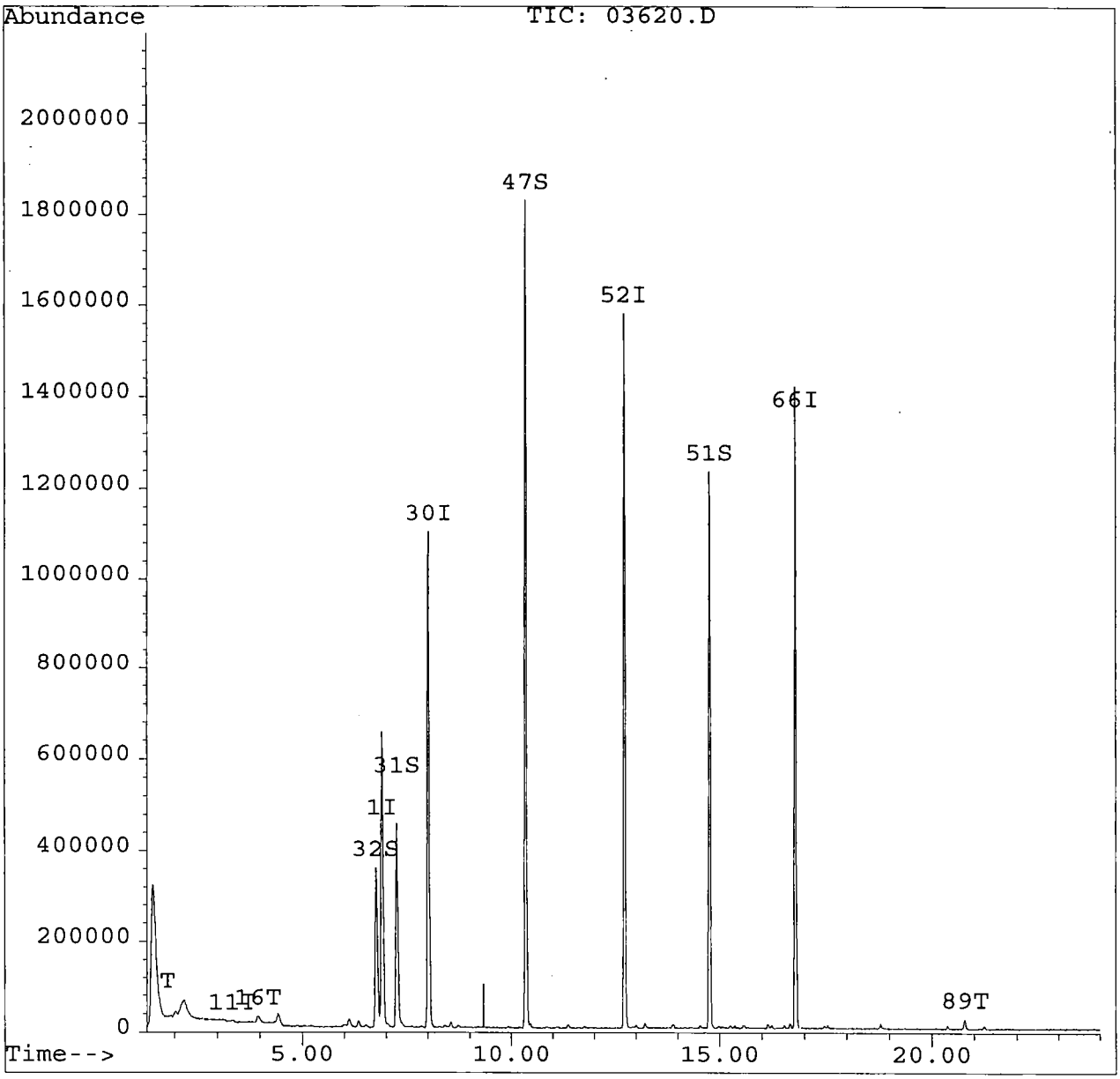
(#) = qualifier out of range (m) = manual integration

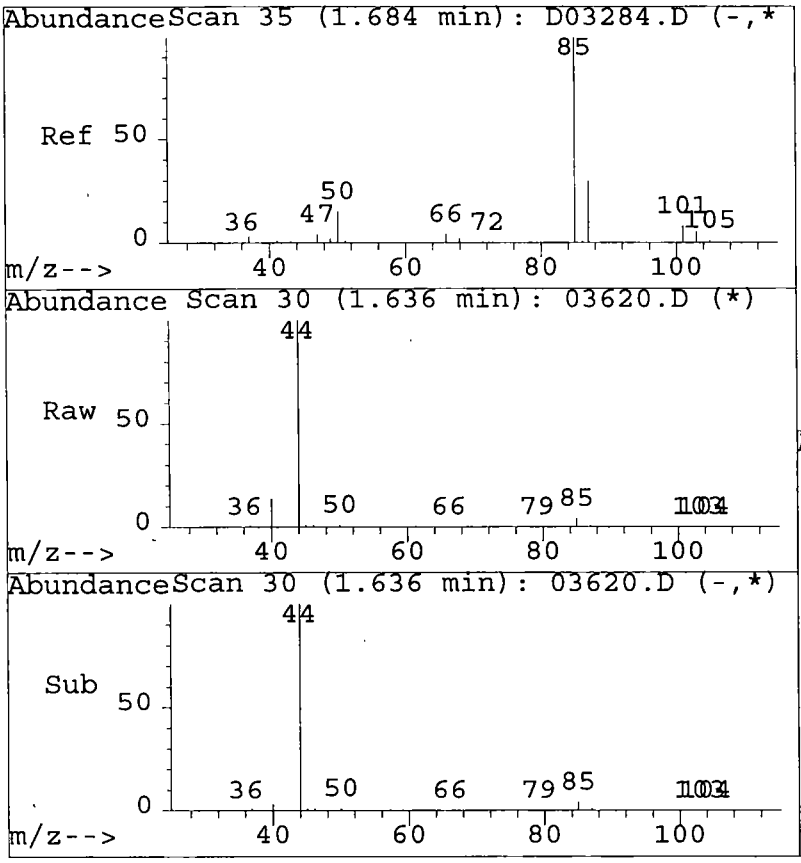
Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03620.d
Acq On : 29 Apr 98 12:24 pm
Sample : MB*NONE*1
Misc :
Quant Time: Apr 30 12:45 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

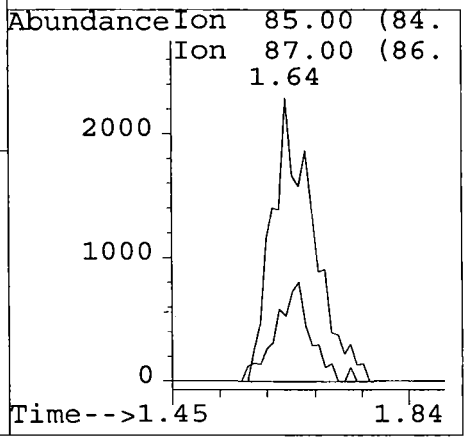


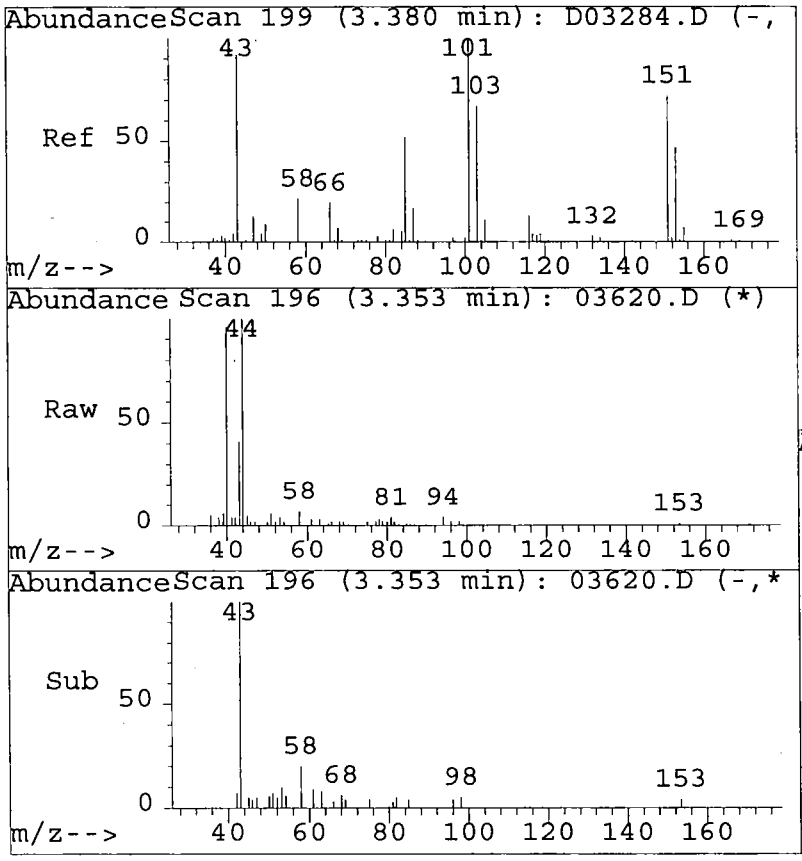


#2
Dichlorodifluoromethane
Concen: 1.11 ug/L
RT: 1.64 min Scan# 30
Delta R.T. 0.00 min
Lab File: 03620.d
Acq: 29 Apr 98 12:24 pm

Tgt Ion:85 Resp: 10465

Ion	Ratio	Lower	Upper
85	100		
87	29.5	25.7	38.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0

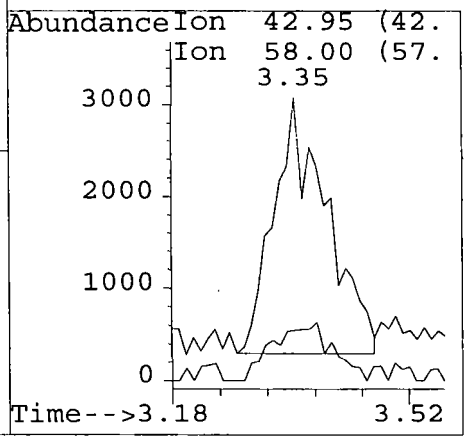


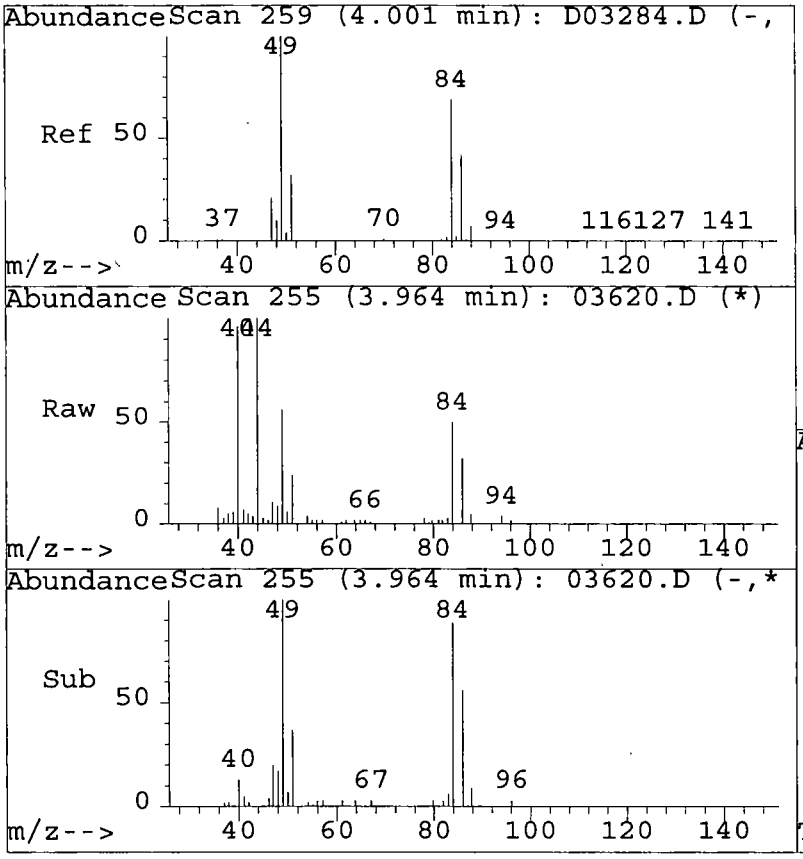


#11
Acetone
Concen: 5.37 ug/L
RT: 3.35 min Scan# 196
Delta R.T. 0.01 min
Lab File: 03620.d
Acq: 29 Apr 98 12:24 pm

Tgt Ion:42.95 Resp: 14449

Ion	Ratio	Lower	Upper
43	100		
58	25.5	0.0	124.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

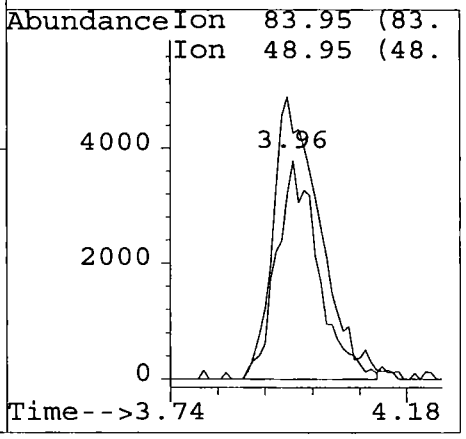


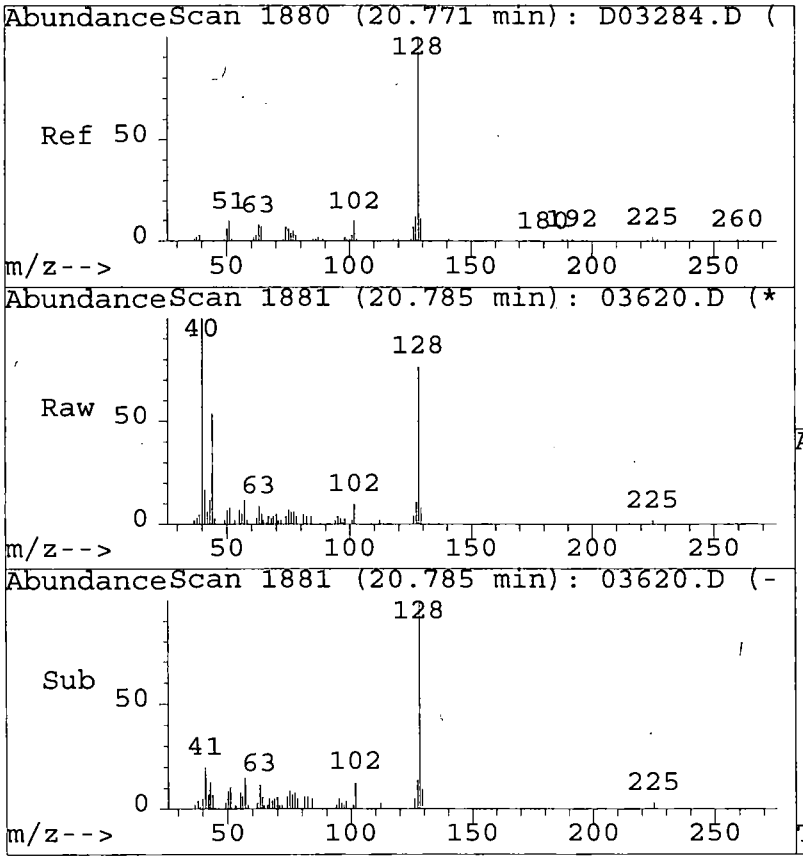


#16
Methylene Chloride
Concen: 1.86 ug/L
RT: 3.96 min Scan# 255
Delta R.T. 0.00 min
Lab File: 03620.d
Acq: 29 Apr 98 12:24 pm

Tgt Ion:83.95 Resp: 20331

Ion	Ratio	Lower	Upper
84	100		
49	146.4	48.6	248.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

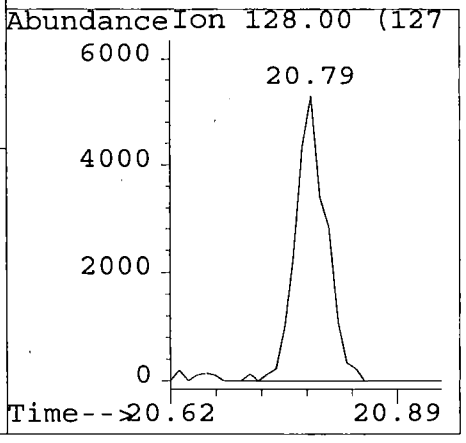




#89
Naphthalene
Concen: 0.77 ug/L
RT: 20.79 min Scan# 1881
Delta R.T. 0.00 min
Lab File: 03620.d
Acq: 29 Apr 98 12:24 pm

Tgt Ion:128 Resp: 13185

Ion	Ratio	Lower	Upper
128	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

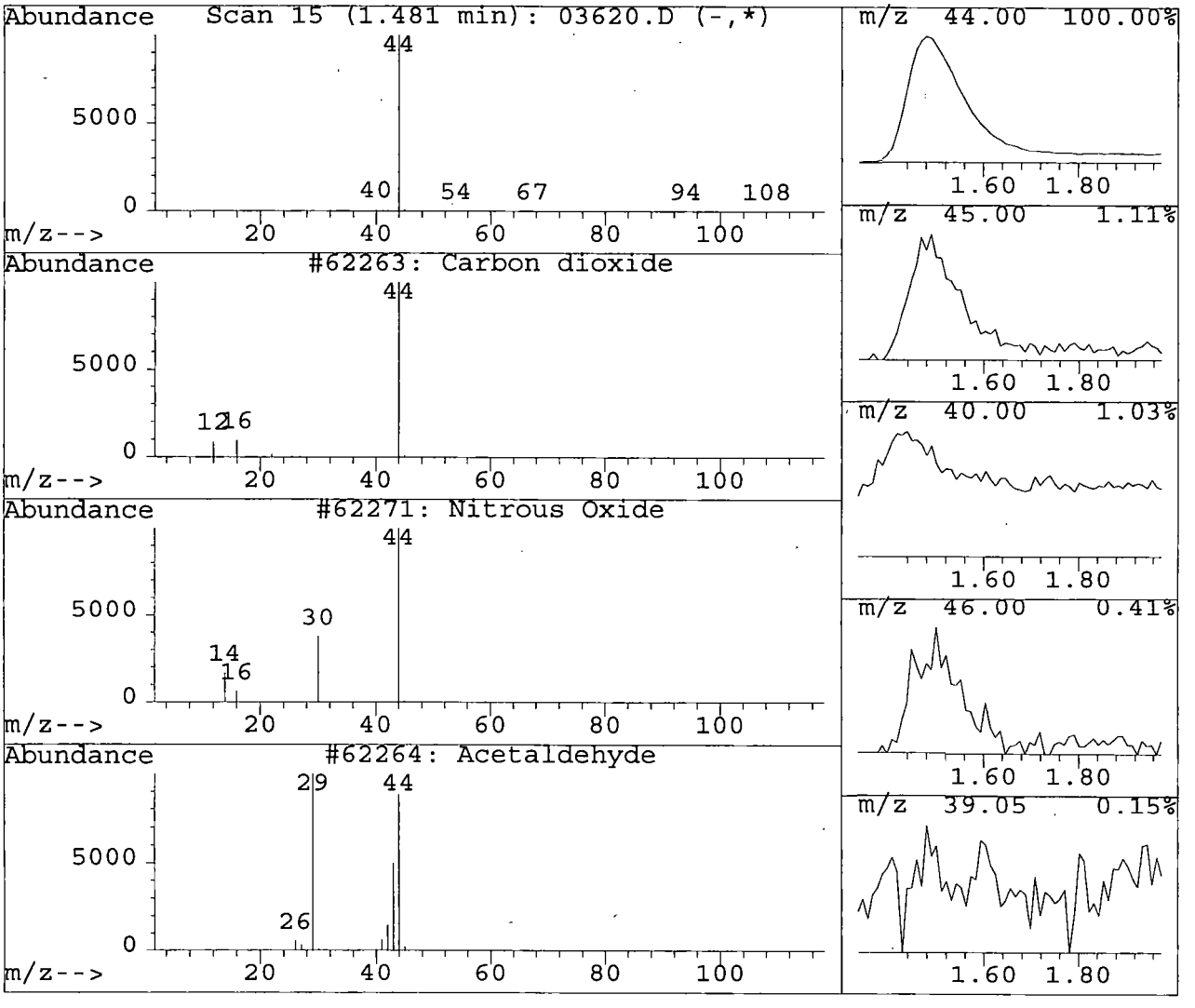
Data File : c:\hpchem\1\data\04_29_98\03620.d
Acq On : 29 Apr 98 12:24 pm
Sample : MB*NONE*1
Misc :

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.48	59.53 ug/L	2719551	Pentafluorobenzen	2284170	6.90

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	62271	010024-97-2	3
3	Acetaldehyde	62264	000075-07-0	3
4	Ethylene oxide	62267	000075-21-8	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03621.d Vial: 11
Acq On : 29 Apr 98 12:55 pm Operator:
Sample : SP1*NONE*1 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: Apr 30 12:46 1998

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.91	540	665004	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	1204115	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.73	1103	1044177	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.80	1496	481179	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.26	574	596608	55.05	ug/L	110.09%
32) Dibromofluoromethane	6.77	527	401086	52.50	ug/L	105.00%
47) Toluene-d8	10.36	874	1726957	54.67	ug/L	109.33%
51) Bromofluorobenzene	14.77	1300	640609	53.62	ug/L	107.24%
Target Compounds						**Qvalue**
3) Chloromethane	1.82	48	287449	21.87	ug/L	97
4) Vinyl Chloride	1.93	59	263845	21.89	ug/L	100
5) Bromomethane	2.24	89	206615	18.80	ug/L	99
6) Chloroethane	2.37	101	192654	30.76	ug/L	98
7) Trichlorofluoromethane	2.68	131	327550	22.48	ug/L	99
8) 1,1-Dichloroethene	3.30	191	171548	22.16	ug/L	99
11) Acetone	3.37	198	69163	25.73	ug/L	97
12) Carbon Disulfide	3.54	214	703079	21.85	ug/L	99
16) Methylene Chloride	3.98	257	237416	21.81	ug/L	99
18) trans-1,2-Dichloroethene	4.43	300	187213	21.48	ug/L	98
19) 1,1-Dichloroethane	5.08	363	368442	20.48	ug/L	100
21) Vinyl Acetate	5.22	377	415603	23.85	ug/L	99
23) cis-1,2-Dichloroethene	6.00	452	304089	17.42	ug/L	90
24) 2-Butanone	6.04	456	18902	20.70	ug/L	80
28) Chloroform	6.53	503	353745	18.83	ug/L	98
29) 1,1,1-Trichloroethane	6.77	527	284338	21.13	ug/L	98
35) 1,2-Dichloroethane	7.38	586	295315	20.75	ug/L	99
36) Carbon Tetrachloride	7.04	553	220400	22.23	ug/L	99
38) Benzene	7.36	584	820805	20.13	ug/L	100
39) Trichloroethene	8.41	685	158990	19.80	ug/L	99
41) 1,2-Dichloropropane	8.73	716	207838	19.73	ug/L	97
43) Bromodichloromethane	9.21	762	269981	21.82	ug/L	100
45) cis-1,3-Dichloropropene	9.94	833	311204	20.70	ug/L	98
46) 4-Methyl-2-pentanone	10.22	860	167005	21.52	ug/L	99
48) Toluene	10.47	884	833440	19.78	ug/L	98
49) trans-1,3-Dichloropropene	10.85	921	269864	20.82	ug/L	100
50) 1,1,2-Trichloroethane	11.14	949	136821	20.42	ug/L	98
55) Tetrachloroethene	11.37	971	110032	15.19	ug/L	98
57) 2-Hexanone	11.61	994	116146	23.11	ug/L	98
58) Dibromochloromethane	11.77	1010	144538	20.73	ug/L	100
59) Chlorobenzene	12.78	1108	456003	20.16	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03621.d
Acq On : 29 Apr 98 12:55 pm
Sample : SP1*NONE*1
Misc :
Quant Time: Apr 30 12:46 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc Unit	Qvalue
61)	Ethylbenzene	13.01	1130	246133	20.34 ug/L	99
62)	Meta + Para Xylene	13.22	1150	320319	19.33 ug/L	97
64)	Xylene (total)	13.22	1150	320319	19.84 ug/L	97
65)	Styrene	13.91	1217	517096	18.03 ug/L	87
67)	Bromoform	14.17	1242	79485	23.03 ug/L	99
70)	1,1,2,2-Tetrachloroethane	15.07	1329	159425	23.41 ug/L	99

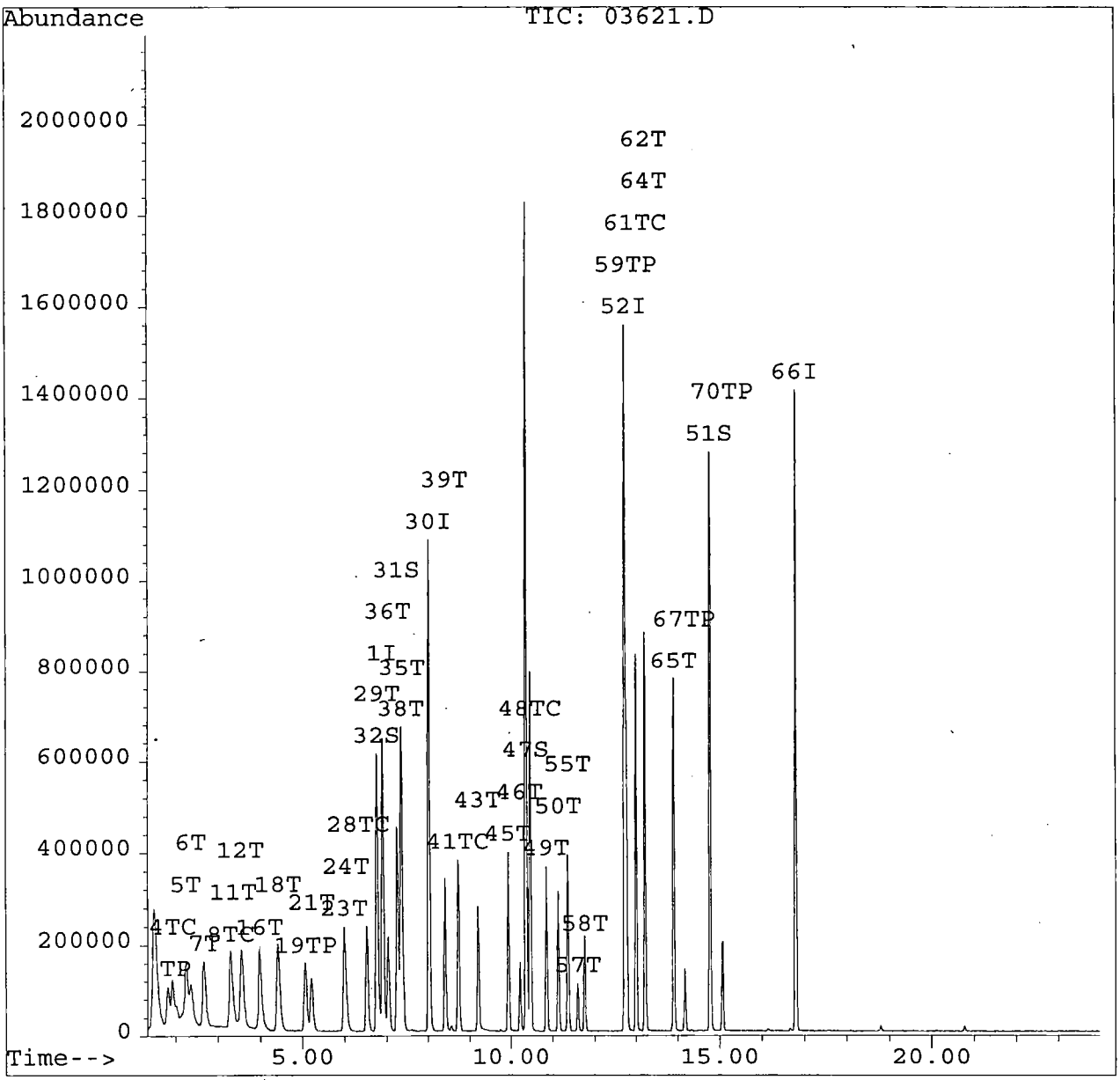
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03621.d
Acq On : 29 Apr 98 12:55 pm
Sample : SP1*NONE*1
Misc :
Quant Time: Apr 30 12:46 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03623.d Vial: 13
Acq On : 29 Apr 98 2:39 pm Operator:
Sample : TLVW*8 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: Apr 30 12:48 1998

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.91	540	649705	50.00	ug/L	0.01
30) 1,4-Difluorobenzene	8.03	648	1212129	50.00	ug/L	0.01
52) Chlorobenzene-d5	12.73	1103	1042970	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.80	1496	469450	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.26	574	512433	46.97	ug/L	93.94%
32) Dibromofluoromethane	6.76	526	366038	47.59	ug/L	95.19%
47) Toluene-d8	10.36	874	1596949	50.22	ug/L	100.43%
51) Bromofluorobenzene	14.77	1300	571639	47.53	ug/L	95.07%
Target Compounds						**Qvalue**

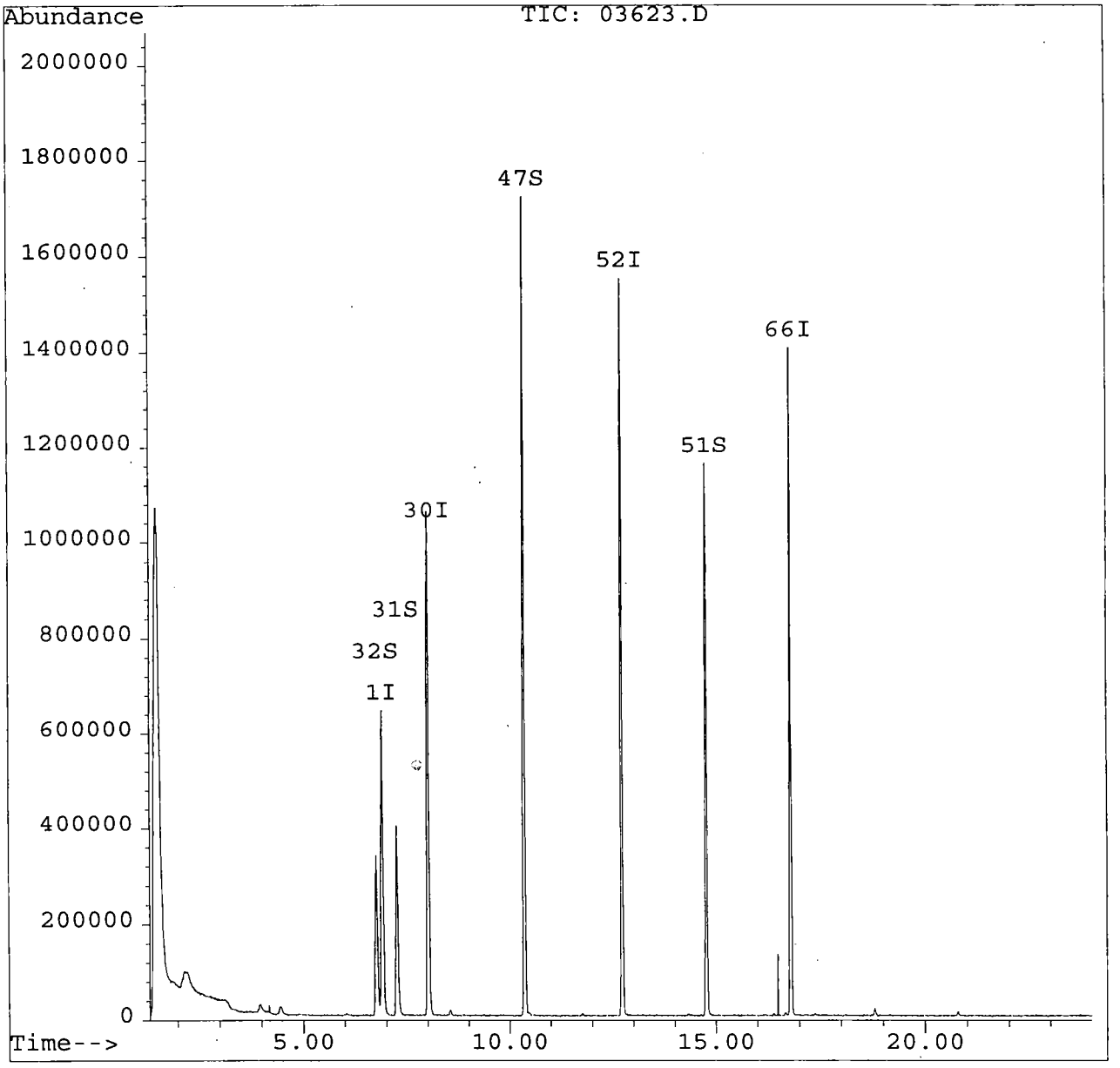
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03623.d
Acq On : 29 Apr 98 2:39 pm
Sample : TLVW*8
Misc :
Quant Time: Apr 30 12:48 1998

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration



Library Search Compound Report

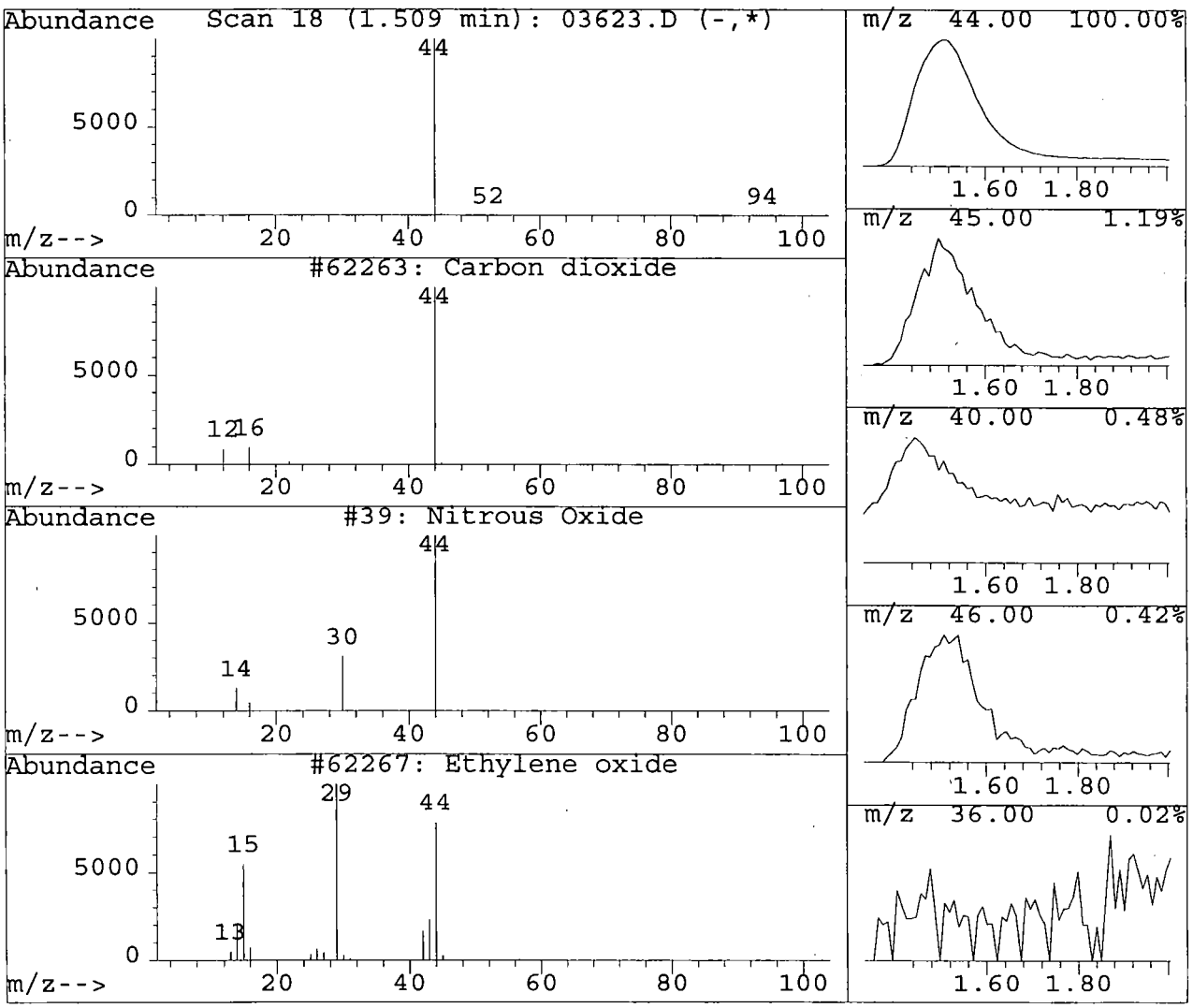
Data File : c:\hpchem\1\data\04_29_98\03623.d
Acq On : 29 Apr 98 2:39 pm
Sample : TLVW*8
Misc :

Vial: 13
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.51	236.11 ug/L	10817528	Pentafluorobenzen	2290772	6.91

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Nitrous Oxide	39	010024-97-2	3
3	Ethylene oxide	62267	000075-21-8	2
4	Acetaldehyde	62265	000075-07-0	2
5	Ethyne, fluoro-	35	002713-09-9	2



Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03625.d Vial: 15
Acq On : 29 Apr 98 3:41 pm Operator:
Sample : SPM1*TLVW*8 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: Apr 30 12:48 1998

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.91	540	582145	50.00 ug/L	0.01
30) 1,4-Difluorobenzene	8.03	648	1095689	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.74	1103	959809	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.80	1496	429812	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.26	574	500742	50.77 ug/L	101.55%
32) Dibromofluoromethane	6.77	526	338560	48.70 ug/L	97.40%
47) Toluene-d8	10.37	874	1464214	50.93 ug/L	101.87%
51) Bromofluorobenzene	14.77	1300	529867	48.74 ug/L	97.48%
Target Compounds					**Qvalue**
8) 1,1-Dichloroethene	3.28	189	347387	51.26 ug/L	99
38) Benzene	7.36	583	1957068	52.74 ug/L	100
39) Trichloroethene	8.41	685	350235	47.93 ug/L	99
48) Toluene	10.47	884	2012060	52.48 ug/L	100
59) Chlorobenzene	12.79	1108	1091760	52.52 ug/L	100

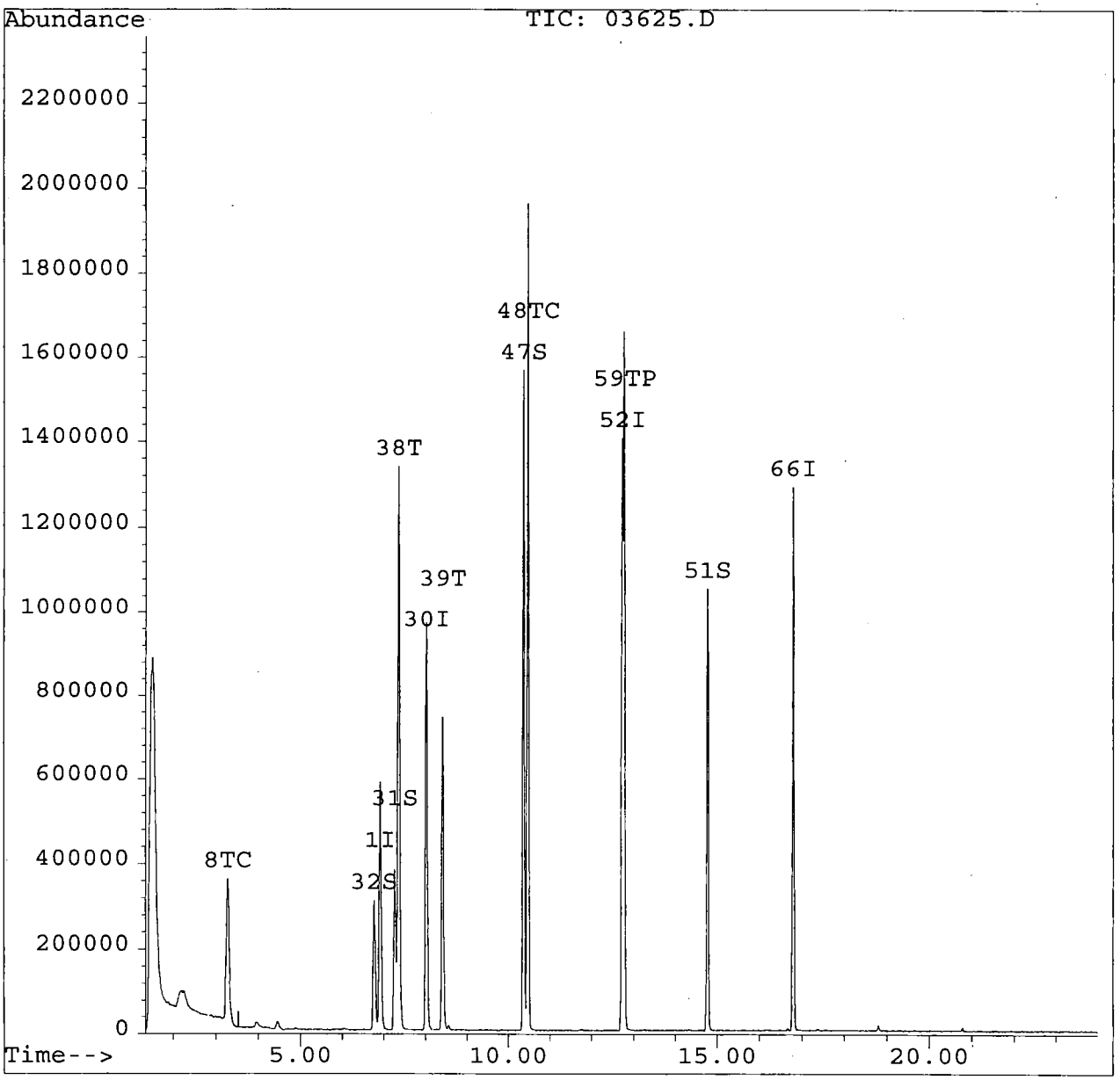
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03625.d
Acq On : 29 Apr 98 3:41 pm
Sample : SPM1*TLVW*8
Misc :
Quant Time: Apr 30 12:48 1998

Vial: 15
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03626.d Vial: 16
Acq On : 29 Apr 98 4:12 pm Operator:
Sample : SPM2*TLVW*8 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: Apr 30 12:49 1998

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	599967	50.00 ug/L	0.02
30) 1,4-Difluorobenzene	8.03	648	1181266	50.00 ug/L	0.01
52) Chlorobenzene-d5	12.74	1103	1045158	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.80	1496	465398	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	515203	48.46 ug/L	96.91%
32) Dibromofluoromethane	6.78	527	363067	48.44 ug/L	96.88%
47) Toluene-d8	10.37	874	1573135	50.76 ug/L	101.52%
51) Bromofluorobenzene	14.77	1300	563816	48.11 ug/L	96.21%
Target Compounds					**Qvalue**
8) 1,1-Dichloroethene	3.29	190	355702	50.93 ug/L	99
38) Benzene	7.37	584	2164034	54.10 ug/L	100
39) Trichloroethene	8.41	685	377517	47.92 ug/L	99
48) Toluene	10.47	884	2226748	53.87 ug/L	100
59) Chlorobenzene	12.79	1108	1230487	54.36 ug/L	99

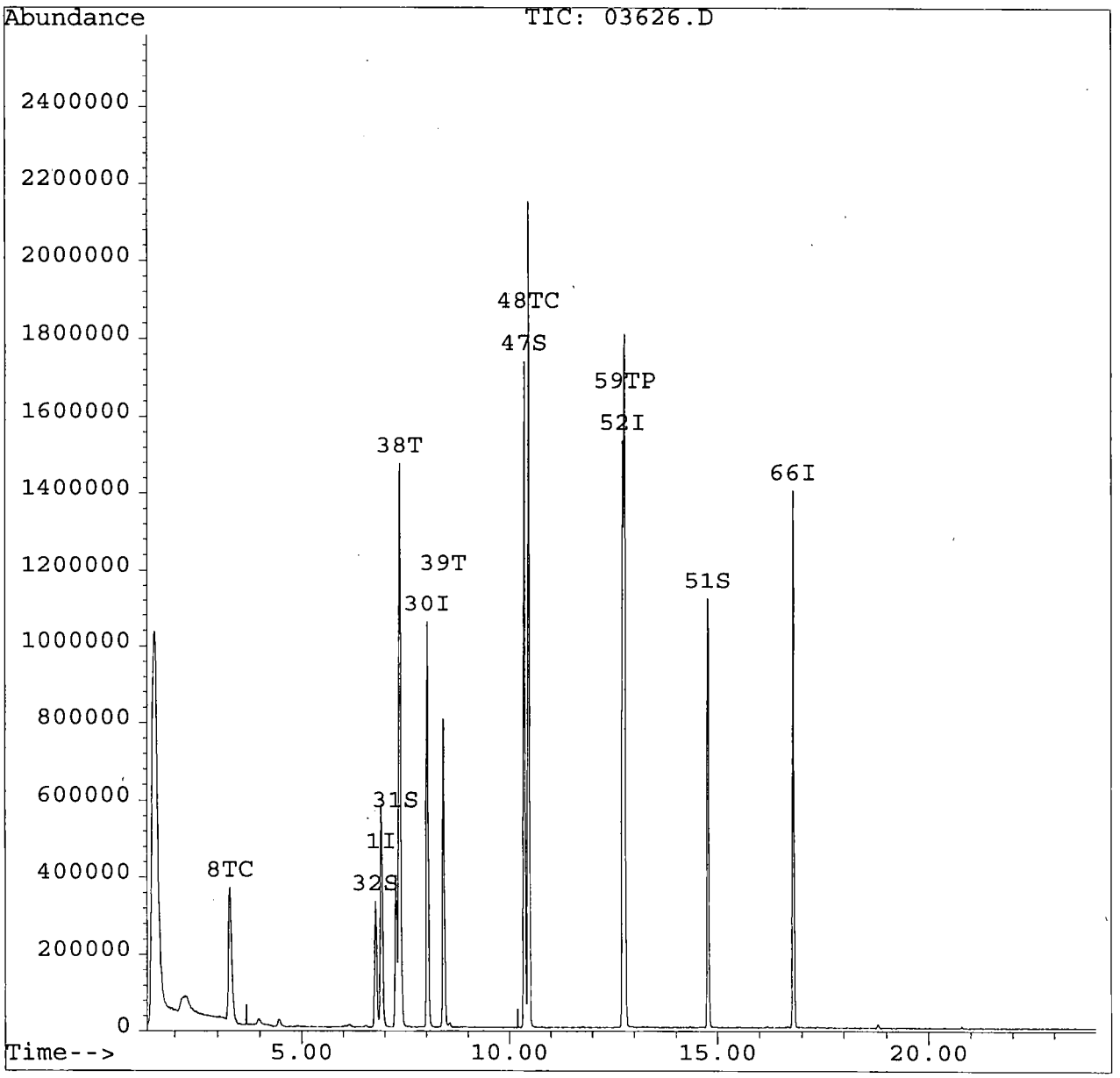
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03626.d
Acq On : 29 Apr 98 4:12 pm
Sample : SPM2*TLVW*8
Misc :
Quant Time: Apr 30 12:49 1998

Vial: 16
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03634.d
Acq On : 29 Apr 98 8:14 pm
Sample : MB*STORAGE*1
Misc :
Quant Time: Apr 30 9:52 1998

Vial: 8
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	469207	50.00	ug/L	0.02
30) 1,4-Difluorobenzene	8.03	648	954331	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.74	1104	834350	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	376554	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.27	575	423585	49.31	ug/L	98.62%
32) Dibromofluoromethane	6.77	527	292945	48.38	ug/L	96.76%
47) Toluene-d8	10.36	874	1240670	49.55	ug/L	99.10%
51) Bromofluorobenzene	14.78	1301	445257	47.03	ug/L	94.05%
Target Compounds						**Qvalue**
16) Methylene Chloride	3.97	256	18143	2.36	ug/L	94

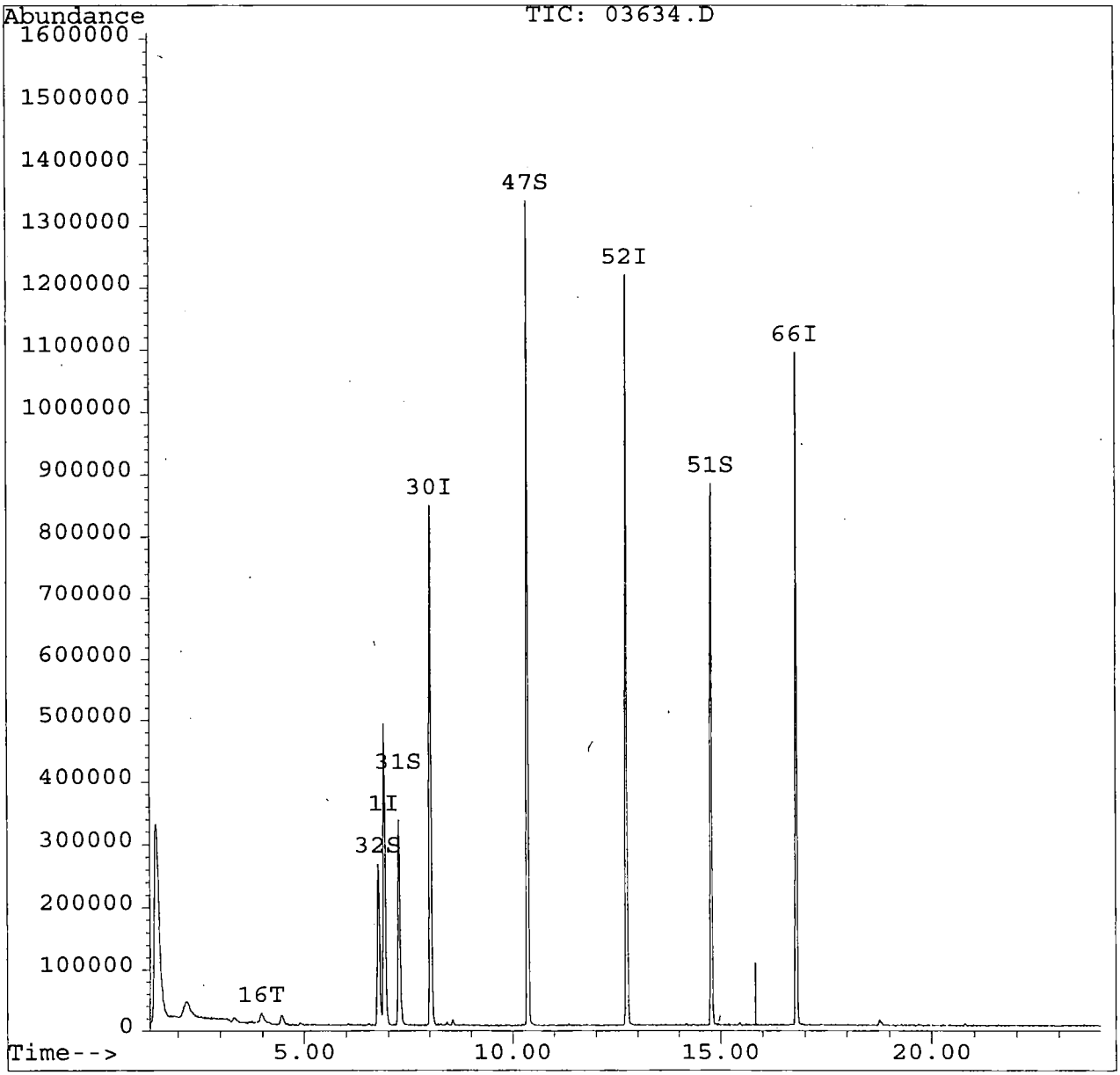
(#) = qualifier out of range (m) = manual integration

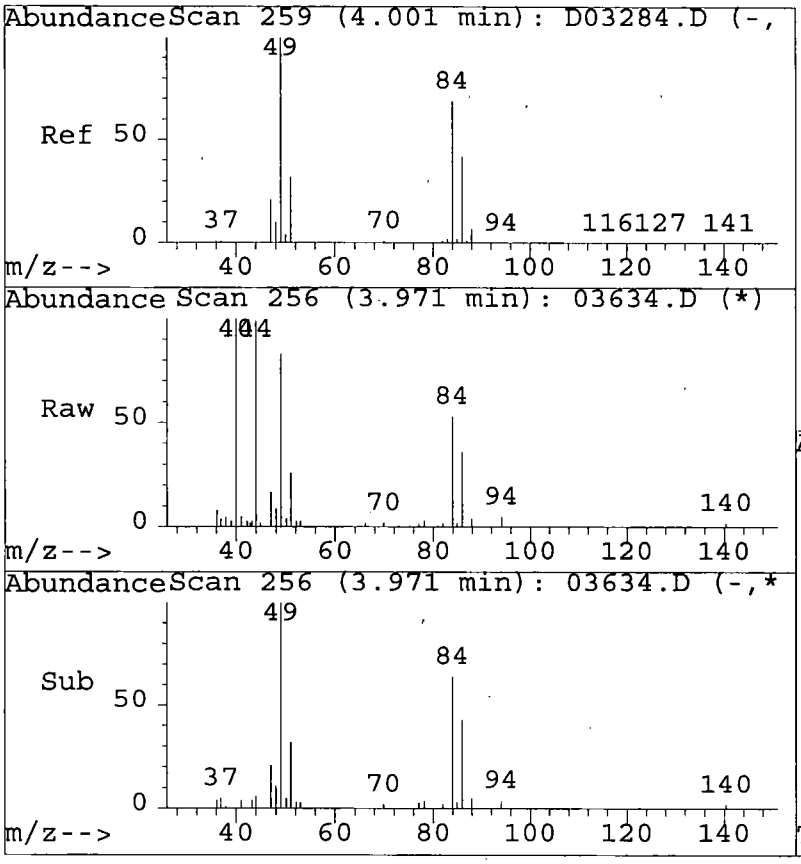
Quantitation Report

Data File : c:\hpchem\1\data\04_29_98\03634.d
Acq On : 29 Apr 98 8:14 pm
Sample : MB*STORAGE*1
Misc :
Quant Time: Apr 30 9:52 1998

Vial: 8
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Last Update : Wed Apr 29 12:14:25 1998
Response via : Multiple Level Calibration

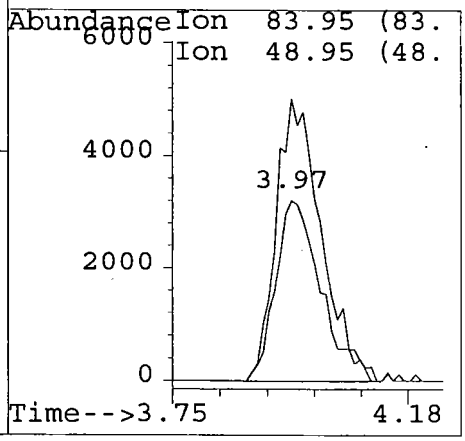




#16
Methylene Chloride
Concen: 2.36 ug/L
RT: 3.97 min Scan# 256
Delta R.T. 0.01 min
Lab File: 03634.d
Acq: 29 Apr 98 8:14 pm

Tgt Ion:83.95 Resp: 18143

Ion	Ratio	Lower	Upper
84	100		
49	156.6	48.6	248.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

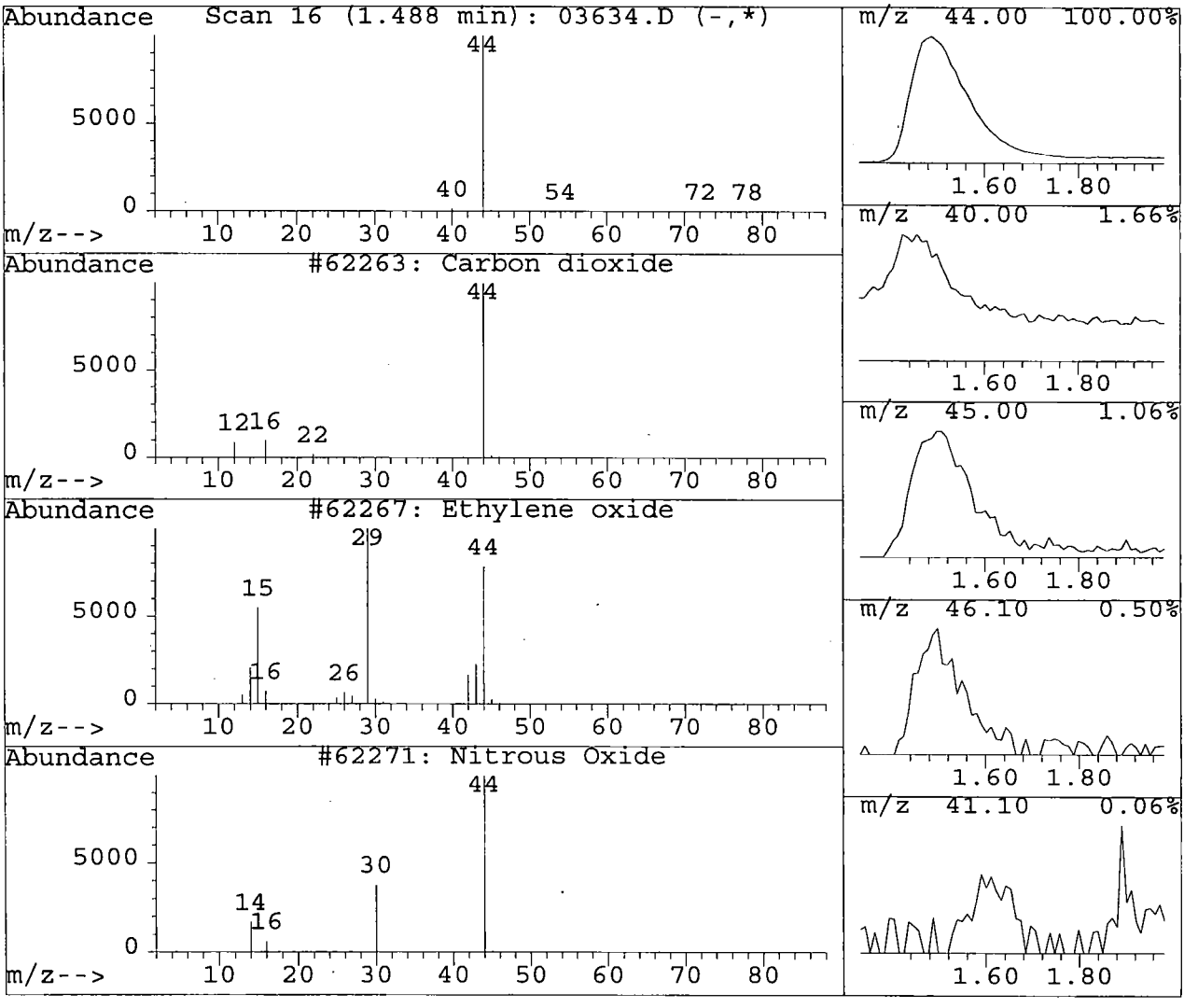
Data File : c:\hpchem\1\data\04_29_98\03634.d
Acq On : 29 Apr 98 8:14 pm
Sample : MB*STORAGE*1
Misc :

Vial: 8
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_29_98\W8260ALL.M
Title : 8260
Library : C:\DATABASE\NBS75K.L

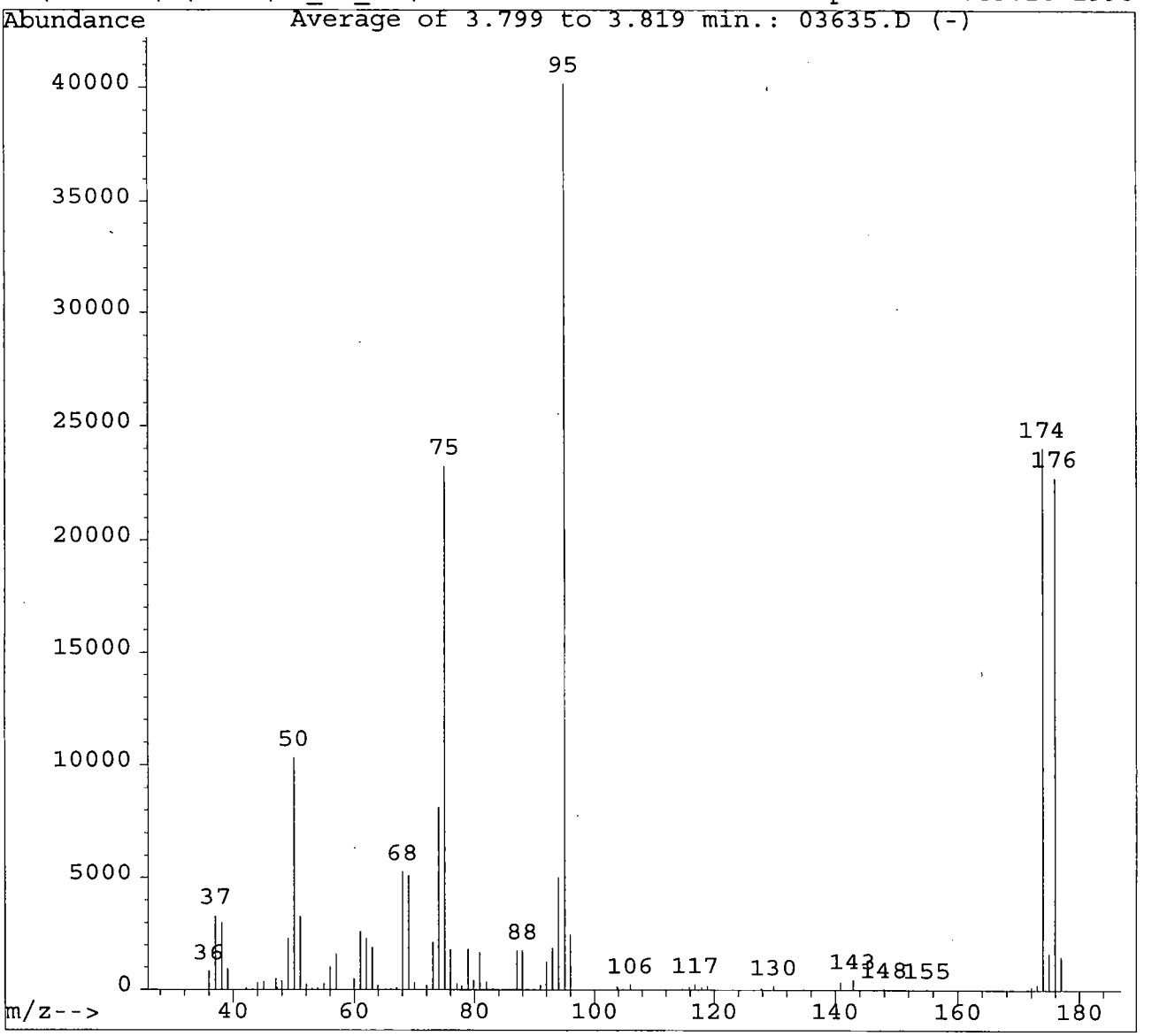
R.T.	Conc	Area	Relative to ISTD	Area	R.T.
1.49	83.24 ug/L	2771409	Pentafluorobenzen	1664678	6.92

Hit 1	Tentative ID	Ref#	CAS#	Qual
1	Carbon dioxide	62263	000124-38-9	4
2	Ethylene oxide	62267	000075-21-8	3
3	Nitrous Oxide	62271	010024-97-2	3
4	Acetaldehyde	62264	000075-07-0	3
5	Ethyne, fluoro-	35	002713-09-9	2



CLP 3/90 BFB TUNE CHECK Results

C:\HPCHEM\1\DATA\04_30_98\03635.D Thu Apr 30 12:43:20 1998



Peak Apex is scan: 171
Average of 3 scans: 170,171,172 minus background scan 159

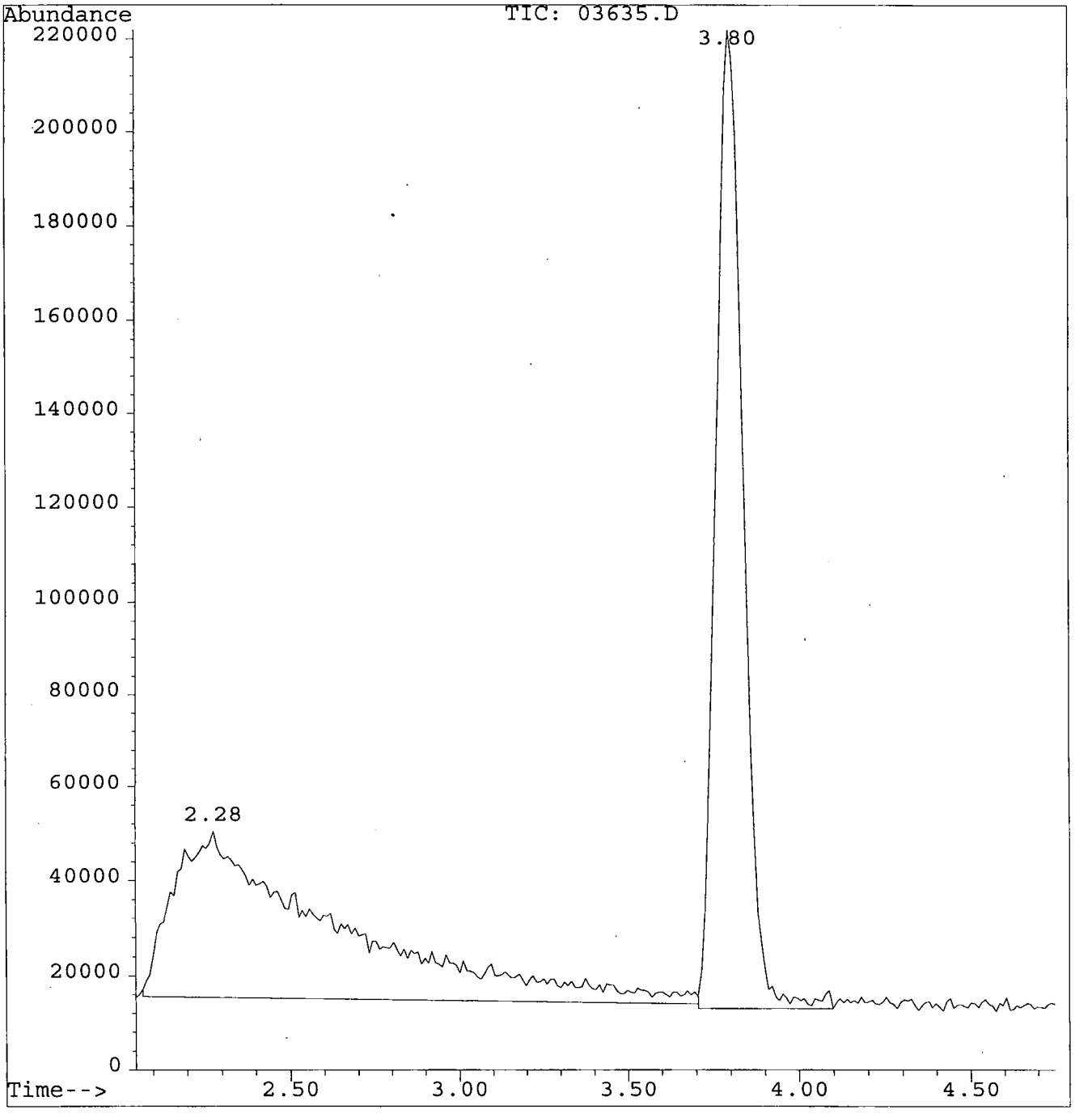
Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
50	95	8	40	25.8	PASS
75	95	30	66	57.9	PASS
95	95	100	100	100.0	PASS
96	95	5	9	6.2	PASS
173	174	0	2	1.0	PASS
174	95	50	120	59.9	PASS
175	174	4	9	6.8	PASS
176	174	93	101	94.6	PASS
177	176	5	9	6.6	PASS

Area Percent Report

Data File : C:\HPCHEM\1\DATA\04_30_98\03635.D
Acq On : 30 Apr 98 12:37 pm
Sample : BFB 50NG INJ
Misc :

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BFB90.M
Title :



03635.D BFB90.M Thu Apr 30 12:43:15 1998 RP1

Average of 3.799 to 3.819 min.: 03635.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	852	47.95	425	61.00	2651	72.00	224
37.05	3329	49.00	2323	62.00	2325	73.05	2162
38.10	3026	50.00	10349	63.00	1930	74.05	8157
39.05	960	51.05	3317	63.90	226	75.05	23253
42.15	117	52.05	279	64.90	1	76.00	1826
42.95	15	53.00	90	65.25	61	77.05	288
43.20	68	53.95	116	66.10	86	77.85	176
44.00	323	55.00	290	67.10	115	78.95	1840
45.00	389	56.00	1033	68.05	5302	79.90	449
47.00	541	57.00	1626	69.05	5120	80.90	1700
47.20	122	59.95	526	70.00	359	82.00	390

Average of 3.799 to 3.819 min.: 03635.D

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.05	86	103.95	85	129.85	178	174.95	1644
87.00	1776	104.75	49	134.80	35	175.95	22779
87.95	1784	106.00	256	140.85	361	176.95	1494
90.95	239	112.95	37	142.90	477		
92.00	1278	114.75	77	144.80	51		
93.00	1903	115.10	50	147.95	88		
94.00	5033	115.85	145	149.90	33		
95.05	40187	116.80	274	155.00	57		
96.00	2497	117.90	134	172.00	150		
102.65	35	118.85	179	172.95	248		
103.75	185	127.85	110	173.95	24075		

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\04_30_98\03636.D Vial: 9
Acq On : 30 Apr 98 12:58 pm Operator:
Sample : VSTD50 Inst : VOA8
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	80	-0.01
2	T	Dichlorodifluoromethane	0.756	0.618	18.3	122	-0.01
3	TP	Chloromethane	0.988	1.456	-47.3#	121	-0.01
4	TC	Vinyl Chloride	0.906	0.949	-4.7	95	-0.01
5	T	Bromomethane	1.109	1.177	-6.1	81	-0.01
6	T	Chloroethane	0.653	0.759	-16.2	80	-0.01
7	T	Trichlorofluoromethane	1.046	0.853	18.4	98	-0.01
8	TC	1,1-Dichloroethene	0.582	0.550	5.5	87	-0.01
9	T	Acrolein	0.123	0.146	-18.5	105	-0.03
10	T	Iodomethane	0.710	0.308	56.6#	32#	-0.02
11	T	Acetone	0.293	0.266	9.5	102	-0.01
12	T	Carbon Disulfide	2.420	2.480	-2.5	88	-0.02
13	T	Acetonitrile	0.241	0.274	-14.0	96	-0.01
14	T	3-Chloropropene	0.449	0.459	-2.2	85	-0.02
15	T	112-Trichl-122-Trifl-Ethane	0.563	0.000	100.0#	0#	-3.32#
16	T	Methylene Chloride	0.818	0.911	-11.3	90	-0.01
17	T	Acrylonitrile	0.210	0.272	-29.4#	115	-0.02
18	T	trans-1,2-Dichloroethene	0.655	0.714	-8.9	93	-0.01
19	TP	1,1-Dichloroethane	1.352	1.577	-16.6	95	-0.01
20	T	Chloroprene	1.319	1.400	-6.1	91	-0.01
21	T	Vinyl Acetate	1.157	1.616	-39.6#	108	-0.01
22	T	2,2-Dichloropropane	1.104	1.224	-10.9	92	0.00
23	T	cis-1,2-Dichloroethene	1.312	1.508	-14.9	94	0.00
24	T	2-Butanone	0.069	0.089	-29.8#	116	0.00
25	T	Propionitrile	0.081	0.105	-30.5#	118	-0.01
26	T	Bromochloromethane	0.346	0.401	-16.0	95	-0.01
27	T	Methacrylonitrile	0.521	0.685	-31.5#	113	0.00
28	TC	Chloroform	1.413	1.587	-12.3	94	0.00
29	T	1,1,1-Trichloroethane	1.012	1.080	-6.7	92	0.00
30	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
31	S	1,2-Dichloroethane-d4	0.450	0.497	-10.3	94	0.00
32	S	Dibromofluoromethane	0.317	0.338	-6.5	91	-0.01
33	T	Isobutanol	0.012	0.017	-38.0#	124	0.00
34	T	1,4-Dioxane	0.003	0.003	-25.3#	118	0.00
35	T	1,2-Dichloroethane	0.591	0.730	-23.6	101	0.00
36	T	Carbon Tetrachloride	0.412	0.407	1.0	93	0.00
37	T	1,1-Dichloropropene	0.584	0.590	-1.1	91	-0.01
38	T	Benzene	1.693	1.952	-15.3	93	0.00
39	T	Trichloroethene	0.333	0.350	-4.8	91	0.00
40	T	Dibromomethane	0.216	0.260	-20.2	103	0.00
41	TC	1,2-Dichloropropane	0.438	0.511	-16.7	97	0.00
42	T	Methyl Methacrylate	0.213	0.264	-24.2	108	0.00
43	T	Bromodichloromethane	0.514	0.596	-15.9	97	0.00
44	T	2-Chloroethyl-vinyl-ether	0.002	0.002	-18.2	103	0.00
45	T	cis-1,3-Dichloropropene	0.624	0.732	-17.2	99	0.00

46	T	4-Methyl-2-pentanone	0.322	0.413	-28.0#	115	0.00
47	S	Toluene-d8	1.312	1.402	-6.9	88	0.00
48	TC	Toluene	1.750	1.983	-13.4#	92	0.00
49	T	trans-1,3-Dichloropropene	0.538	0.641	-19.0	100	0.00
50	T	1,1,2-Trichloroethane	0.278	0.334	-19.9	106	0.00
51	S	Bromofluorobenzene	0.496	0.558	-12.4	94	0.00
52	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
53	T	Dibromoethane	0.293	0.345	-17.7	105	0.00
54	T	Ethyl Methacrylate	0.506	0.602	-19.1	108	0.00
55	T	Tetrachloroethene	0.347	0.303	12.5	91	0.00
56	T	1,3-Dichloropropane	0.662	0.775	-16.9	104	0.00
57	T	2-Hexanone	0.241	0.299	-24.1	115	0.00
58	T	Dibromochloromethane	0.334	0.387	-15.9	102	0.00
59	TP	Chlorobenzene	1.083	1.221	-12.7	95	0.00
60	T	1,1,1,2-Tetrachloroethane	0.328	0.366	-11.7	99	0.00
61	TC	Ethylbenzene	0.580	0.641	-10.6	93	0.00
62	T	Meta + Para Xylene	0.793	0.853	-7.5	92	0.00
63	T	Ortho Xylene	0.731	0.818	-11.9	95	0.00
64	T	Xylene (total)	0.773	0.843	-9.0	93	0.00
65	T	Styrene	1.374	1.540	-12.1	94	0.00
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
67	TP	Bromoform	0.359	0.419	-16.8	110	0.00
68	T	Isopropylbenzene	3.639	3.802	-4.5	92	0.00
69	T	Bromobenzene	0.765	0.853	-11.4	98	0.00
70	TP	1,1,2,2-Tetrachloroethane	0.708	0.865	-22.2	112	0.00
71	T	1,2,3-Trichloropropane	0.198	0.234	-18.3	112	0.00
72	T	trans-1,4-dichloro-2-buten	0.262	0.310	-18.3	107	0.00
73	T	n-Propylbenzene	4.873	5.282	-8.4	94	0.00
74	T	2-Chlorotoluene	2.847	3.164	-11.1	94	0.00
75	T	4-Chlorotoluene	3.359	3.752	-11.7	96	0.00
76	T	1,3,5-Trimethylbenzene	3.119	3.418	-9.6	94	0.00
77	T	tert-Butylbenzene	2.599	2.881	-10.8	95	0.00
78	T	Pentachloroethane	0.288	0.419	-45.2#	100	0.00
79	T	1,2,4-Trimethylbenzene	3.089	3.457	-11.9	95	0.00
80	T	sec-Butylbenzene	3.952	4.180	-5.8	96	0.00
81	T	1,3-Dichlorobenzene	1.512	1.659	-9.7	96	0.00
82	T	p-Isopropyltoluene	3.372	3.482	-3.3	94	0.00
83	T	1,4-Dichlorobenzene	1.743	1.883	-8.0	95	0.00
84	T	1,2-Dichlorobenzene	1.341	1.501	-12.0	99	0.00
85	T	n-Butylbenzene	3.585	3.919	-9.3	97	0.00
86	T	DBCP	0.127	0.157	-23.3	122	0.00
87	T	1,2,4-Trichlorobenzene	0.764	0.896	-17.2	107	0.00
88	T	Hexachlorobutadiene	0.317	0.363	-14.3	112	0.00
89	T	Naphthalene	1.719	2.089	-21.6	112	0.00
90	T	1,2,3-Trichlorobenzene	0.673	0.786	-16.8	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1
03554.D W8260ALL.M Thu May 07 11:03:51 1998 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_30_98\03636.D
Acq On : 30 Apr 98 12:58 pm
Sample : VSTD50
Misc :
Quant Time: May 7 11:02 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.91	540	534369	50.00 ug/L	-0.01
30) 1,4-Difluorobenzene	8.03	648	1036687	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	934236	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	503320	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.26	574	514812	55.17 ug/L	110.34%
32) Dibromofluoromethane	6.77	526	350357	53.27 ug/L	106.53%
47) Toluene-d8	10.37	874	1453292	53.43 ug/L	106.86%
51) Bromofluorobenzene	14.78	1301	578293	56.22 ug/L	112.45%
Target Compounds					**Qvalue**
2) Dichlorodifluoromethane	1.62	29	329977	43.46 ug/L	99
3) Chloromethane	1.80	46	777962	73.66 ug/L	100
4) Vinyl Chloride	1.91	57	507103	52.37 ug/L	100
5) Bromomethane	2.22	87	628816	71.22 ug/L	99
6) Chloroethane	2.34	98	405626	80.60 ug/L	100
7) Trichlorofluoromethane	2.64	127	455708	38.92 ug/L	98
8) 1,1-Dichloroethene	3.27	188	293831	47.23 ug/L	99
9) Acrolein	3.13	175	77948	59.23 ug/L	100
10) Iodomethane	3.44	205	164692	21.71 ug/L	99
11) Acetone	3.35	196	141923	65.71 ug/L	100
12) Carbon Disulfide	3.52	212	1325094	51.24 ug/L	100
13) Acetonitrile	3.77	236	1466353	569.85 ug/L	100
14) 3-Chloropropene	3.78	237	245328	51.11 ug/L	100
16) Methylene Chloride	3.96	255	486572	55.63 ug/L	98
17) Acrylonitrile	4.32	290	145458	64.71 ug/L	98
18) trans-1,2-Dichloroethene	4.40	297	381469	54.46 ug/L	100
19) 1,1-Dichloroethane	5.06	361	842873	58.32 ug/L	100
20) Chloroprene	5.21	376	748053	53.06 ug/L	99
21) Vinyl Acetate	5.20	375	863335	61.64 ug/L	99
22) 2,2-Dichloropropane	5.98	450	654320	55.44 ug/L	99
23) cis-1,2-Dichloroethene	5.99	451	805600	57.43 ug/L	99
24) 2-Butanone	6.04	456	47624	64.91 ug/L	99
25) Propionitrile	6.09	461	562357	652.47 ug/L	99
26) Bromochloromethane	6.35	486	214332	58.00 ug/L	95
27) Methacrylonitrile	6.35	486	3662646	657.44 ug/L	99
28) Chloroform	6.53	503	847789	56.16 ug/L	99
29) 1,1,1-Trichloroethane	6.78	527	577054	53.36 ug/L	99
34) 1,4-Dioxane	9.01	743	69086	1252.99 ug/L	97
35) 1,2-Dichloroethane	7.39	586	757273	61.81 ug/L	100
36) Carbon Tetrachloride	7.04	553	422427	49.48 ug/L	99
37) 1,1-Dichloropropene	7.04	553	611711	50.55 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_30_98\03636.D
Acq On : 30 Apr 98 12:58 pm
Sample : VSTD50
Misc :
Quant Time: May 7 11:02 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

	Compound	R.T.	Scan	Response	Conc	Unit		Qvalue
38)	Benzene	7.36	583	2023170	57.63	ug/L		100
39)	Trichloroethene	8.41	685	362387	52.41	ug/L		100
40)	Dibromomethane	8.92	734	269697	60.12	ug/L		99
41)	1,2-Dichloropropane	8.74	717	529268	58.35	ug/L		100
42)	Methyl Methacrylate	9.03	745	274017	62.12	ug/L		97
43)	Bromodichloromethane	9.22	763	617599	57.97	ug/L		100
45)	cis-1,3-Dichloropropene	9.94	833	758487	58.60	ug/L		100
46)	4-Methyl-2-pentanone	10.22	860	427652	64.01	ug/L		99
48)	Toluene	10.48	885	2055996	56.68	ug/L		100
49)	trans-1,3-Dichloropropene	10.86	922	664121	59.51	ug/L		100
50)	1,1,2-Trichloroethane	11.15	950	345865	59.95	ug/L		100
53)	Dibromoethane	11.93	1025	322292	58.86	ug/L		99
55)	Tetrachloroethene	11.38	972	283486	43.73	ug/L		99
56)	1,3-Dichloropropane	11.41	975	723653	58.47	ug/L		99
57)	2-Hexanone	11.61	994	279032	62.04	ug/L		99
58)	Dibromochloromethane	11.78	1011	361483	57.93	ug/L		99
59)	Chlorobenzene	12.79	1108	1140578	56.37	ug/L		100
60)	1,1,1,2-Tetrachloroethane	12.95	1124	342388	55.85	ug/L		98
61)	Ethylbenzene	13.02	1131	598762	55.29	ug/L		99
62)	Meta + Para Xylene	13.23	1151	1594111	107.53	ug/L		100
63)	Ortho Xylene	13.89	1215	763795	55.96	ug/L		99
64)	Xylene (total)	13.23	1151	2361358	163.49	ug/L	m	99
65)	Styrene	13.92	1218	1438430	56.05	ug/L		99
67)	Bromoform	14.18	1243	210877	58.41	ug/L		98
68)	Isopropylbenzene	14.56	1279	1913508	52.24	ug/L		99
69)	Bromobenzene	15.01	1323	429085	55.72	ug/L		98
70)	1,1,2,2-Tetrachloroethane	15.08	1330	435284	61.10	ug/L		99
71)	1,2,3-Trichloropropane	15.11	1333	118008	59.15	ug/L		94
72)	trans-1,4-dichloro-2-buten	15.18	1339	156130	59.14	ug/L		100
73)	n-Propylbenzene	15.28	1349	2658617	54.20	ug/L		100
74)	2-Chlorotoluene	15.38	1359	1592732	55.57	ug/L		100
75)	4-Chlorotoluene	15.58	1378	1888692	55.85	ug/L		99
76)	1,3,5-Trimethylbenzene	15.61	1381	1720551	54.79	ug/L		99
77)	tert-Butylbenzene	16.16	1434	1450244	55.42	ug/L		99
78)	Pentachloroethane	16.16	1434	210694	59.99	ug/L		98
79)	1,2,4-Trimethylbenzene	16.25	1443	1739895	55.96	ug/L		99
80)	sec-Butylbenzene	16.56	1473	2103801	52.88	ug/L		99
81)	1,3-Dichlorobenzene	16.70	1486	834884	54.87	ug/L		99
82)	p-Isopropyltoluene	16.84	1500	1752468	51.63	ug/L		100
83)	1,4-Dichlorobenzene	16.85	1501	947813	54.01	ug/L		99
84)	1,2-Dichlorobenzene	17.49	1563	755604	55.98	ug/L		98
85)	n-Butylbenzene	17.57	1570	1972735	54.67	ug/L		99
86)	DBCP	18.88	1697	79066	61.64	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_30_98\03636.D
Acq On : 30 Apr 98 12:58 pm
Sample : VSTD50
Misc :
Quant Time: May 7 11:02 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
87) 1,2,4-Trichlorobenzene	20.40	1844	450888	58.62 ug/L	100
88) Hexachlorobutadiene	20.77	1880	182598	57.17 ug/L	98
89) Naphthalene	20.80	1883	1051632	60.78 ug/L	100
90) 1,2,3-Trichlorobenzene	21.25	1926	395503	58.41 ug/L	99

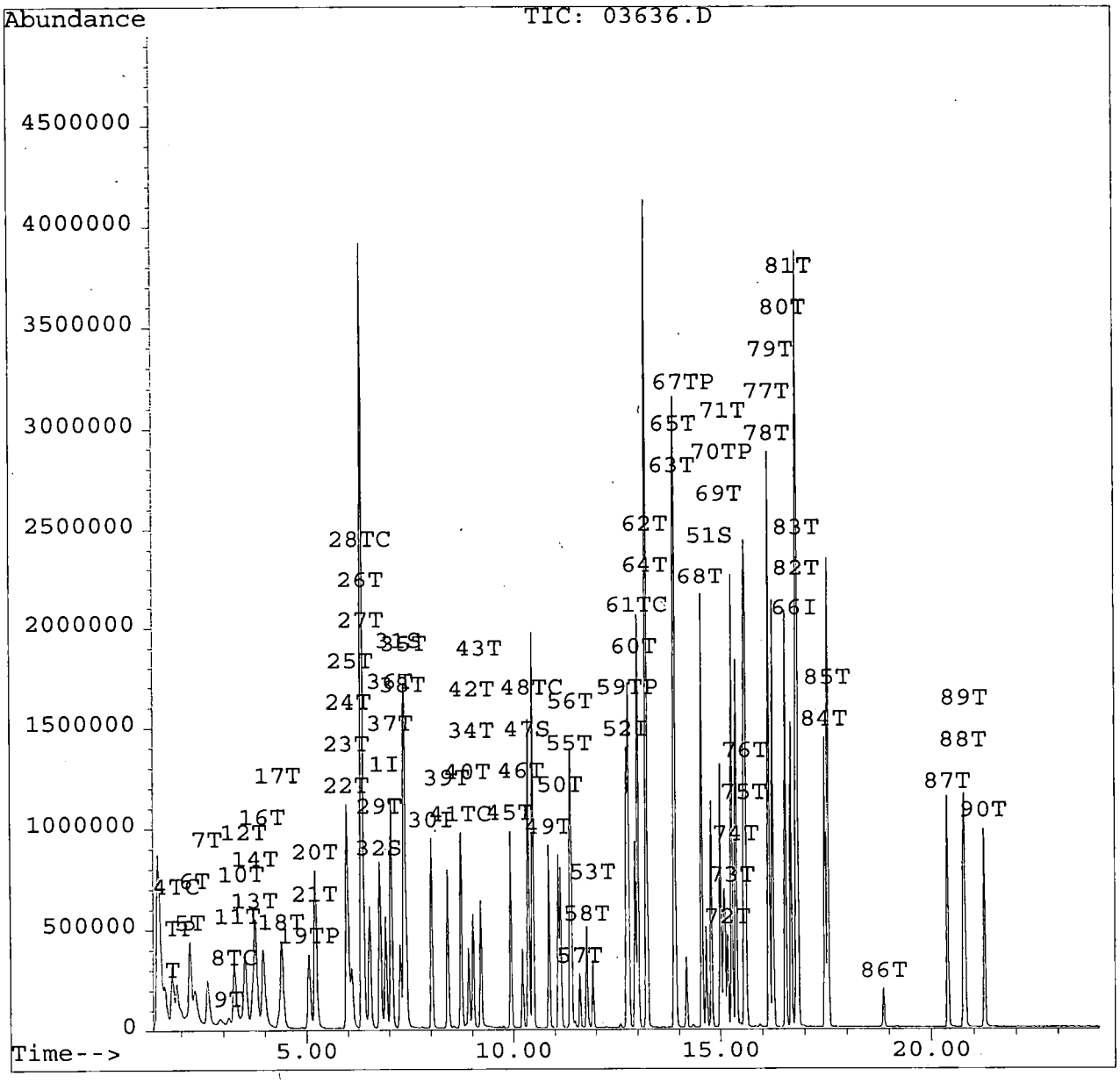
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_30_98\03636.D
Acq On : 30 Apr 98 12:58 pm
Sample : VSTD50
Misc :
Quant Time: May 7 11:02 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

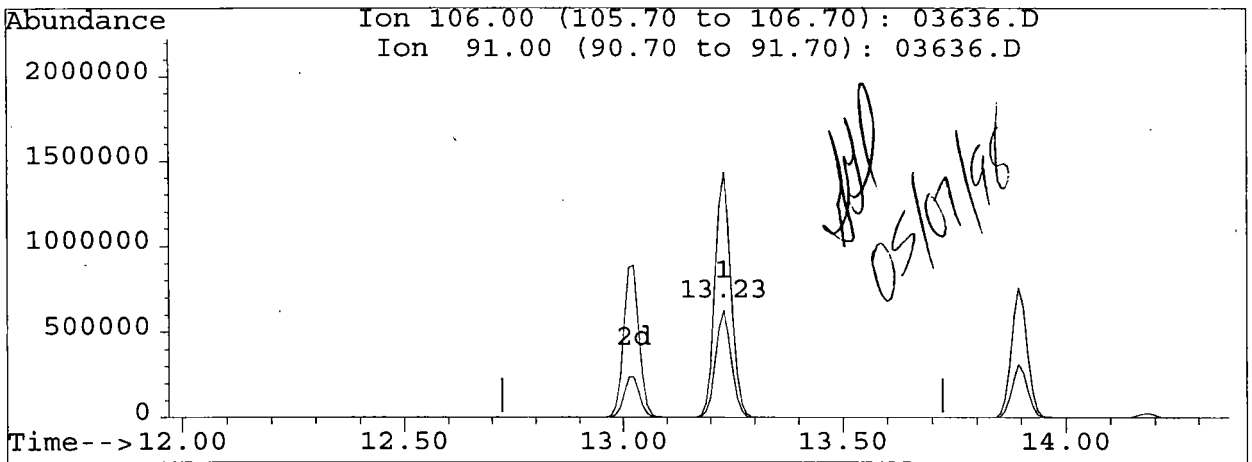


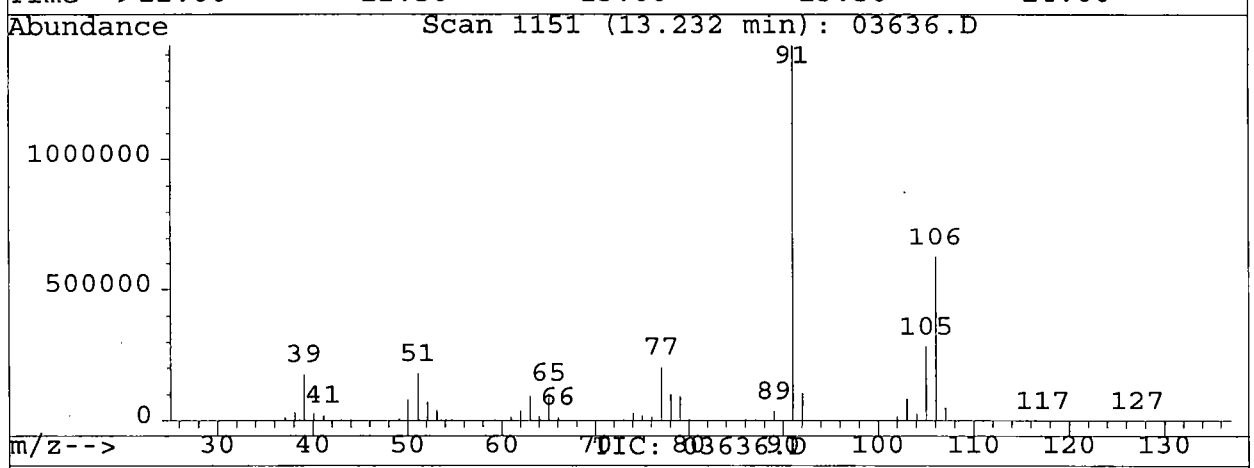
Quantitation Report

Data File : C:\HPCHEM\1\DATA\04_30_98\03636.D
Acq On : 30 Apr 98 12:58 pm
Sample : VSTD50
Misc :
Quant Time: May 7 11:02 1998

Vial: 9
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration





(64) Xylene (total) (T)
13.23min 163.49ug/L m
response 2361358

Ion	Exp%	Act%
106.00	100	100
91.00	234.70	229.45
0.00	0.00	0.00
0.00	0.00	0.00

05/07/98

03636.D W8260ALL.M Thu May 07 11:02:16 1998 RP1

Compound List Report VOA8

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Initial Calibration
Total Cpnds : 90

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene	168	6.92	1.000	A	2	A	R
2	T	Dichlorodifluoromethane	85	1.64	0.236	LO	1	A	B
3	T	Chloromethane	50	1.81	0.262	A	1	A	R
4	T	Vinyl Chloride	62	1.93	0.278	A	1	A	R
5	T	Bromomethane	94	2.24	0.323	LO	1	A	B
6	T	Chloroethane	64	2.35	0.339	LO	1	A	R
7	T	Trichlorofluoromethane	101	2.65	0.383	LO	2	A	R
8	T	1,1-Dichloroethene	96	3.28	0.474	A	2	A	R
9	T	Acrolein	56	3.17	0.457	A	1	A	B
10	T	Iodomethane	142	3.47	0.501	A	2	A	B
11	T	Acetone	43	3.36	0.486	LO	1	A	R
12	T	Carbon Disulfide	76	3.54	0.511	A	1	A	R
13	T	Acetonitrile	41	3.78	0.546	A	0	A	R
14	T	3-Chloropropene	76	3.80	0.549	A	0	A	R
15	T	112-Trichl-122-Trifl-Ethane	101	3.32	0.480	A	1	A	R
16	T	Methylene Chloride	84	3.97	0.574	A	1	A	R
17	T	Acrylonitrile	53	4.35	0.628	A	2	A	B
18	T	trans-1,2-Dichloroethene	96	4.41	0.637	A	2	A	R
19	T	1,1-Dichloroethane	63	5.07	0.732	A	1	A	R
20	T	Chloroprene	53	5.23	0.755	A	3	A	B
21	T	Vinyl Acetate	43	5.22	0.753	LO	1	A	B
22	T	2,2-Dichloropropane	77	5.98	0.864	A	1	A	B
23	T	cis-1,2-Dichloroethene	61	5.99	0.865	A	1	A	R
24	T	2-Butanone	72	6.04	0.873	A	1	A	R
25	T	Propionitrile	54	6.11	0.882	A	3	A	B
26	T	Bromochloromethane	128	6.36	0.919	A	2	A	B
27	T	Methacrylonitrile	41	6.35	0.918	A	3	A	B
28	T	Chloroform	83	6.53	0.943	A	1	A	R
29	T	1,1,1-Trichloroethane	97	6.78	0.979	A	2	A	R
30	I	1,4-Difluorobenzene	114	8.03	1.000	A	2	A	R
31	S	1,2-Dichloroethane-d4	65	7.26	0.905	A	2	A	B
32	S	Dibromofluoromethane	113	6.78	0.844	A	1	A	R
33	T	Isobutanol	43	7.41	0.923	A	3	A	B
34	T	1,4-Dioxane	88	9.01	1.122	A	3	A	B
35	T	1,2-Dichloroethane	62	7.39	0.920	A	1	A	R
36	T	Carbon Tetrachloride	117	7.05	0.878	A	2	A	B
37	T	1,1-Dichloropropene	75	7.06	0.879	A	1	A	B
38	T	Benzene	78	7.36	0.916	A	0	A	R
39	T	Trichloroethene	130	8.41	1.048	A	3	A	R
40	T	Dibromomethane	93	8.92	1.111	A	2	A	B
41	T	1,2-Dichloropropane	63	8.74	1.089	A	1	A	R
42	T	Methyl Methacrylate	69	9.03	1.125	A	3	A	B
43	T	Bromodichloromethane	83	9.21	1.147	A	2	A	R
44	T	2-Chloroethyl-vinyl-ether	63	9.66	1.204	LO	1	A	B
45	T	cis-1,3-Dichloropropene	75	9.94	1.238	A	1	A	R
46	T	4-Methyl-2-pentanone	43	10.22	1.273	A	3	A	R
47	S	Toluene-d8	98	10.37	1.291	A	1	A	R
48	T	Toluene	91	10.47	1.304	A	1	A	R
49	T	trans-1,3-Dichloropropene	75	10.86	1.353	A	0	A	R
50	T	1,1,2-Trichloroethane	97	11.14	1.388	A	3	A	R
51	S	Bromofluorobenzene	95	14.77	1.840	A	2	A	R

52	I	Chlorobenzene-d5	117	12.75	1.000	A	1	A	B
53	T	Dibromoethane	107	11.92	0.935	A	2	A	B
54	T	Ethyl Methacrylate	69	11.09	0.870	A	3	A	B
55	T	Tetrachloroethene	164	11.38	0.893	A	3	A	R
56	T	1,3-Dichloropropane	76	11.40	0.894	A	1	A	B
57	T	2-Hexanone	43	11.61	0.911	A	2	A	R
58	T	Dibromochloromethane	129	11.77	0.924	A	1	A	R
59	T	Chlorobenzene	112	12.79	1.003	A	1	A	R
60	T	1,1,1,2-Tetrachloroethane	131	12.94	1.015	A	2	A	B
61	T	Ethylbenzene	106	13.02	1.021	A	1	A	R
62	T	Meta + Para Xylene	106	13.22	1.037	A	1	A	R
63	T	Ortho Xylene	106	13.90	1.090	A	1	A	B
64	T	Xylene (total)	106	13.22	1.037	A	1	A	B
65	T	Styrene	104	13.92	1.092	A	3	A	R
66	I	1,4-Dichlorobenzene-d4	152	16.81	1.000	A	0	A	R
67	T	Bromoform	173	14.17	0.843	A	2	A	B
68	T	Isopropylbenzene	105	14.55	0.865	A	1	A	B
69	T	Bromobenzene	156	15.00	0.892	A	2	A	B
70	T	1,1,2,2-Tetrachloroethane	83	15.07	0.897	A	2	A	R
71	T	1,2,3-Trichloropropane	77	15.11	0.898	A	1	A	B
72	T	trans-1,4-dichloro-2-buten	53	15.17	0.902	A	1	A	B
73	T	n-Propylbenzene	91	15.27	0.908	A	1	A	B
74	T	2-Chlorotoluene	91	15.37	0.914	A	1	A	B
75	T	4-Chlorotoluene	91	15.57	0.926	A	1	A	B
76	T	1,3,5-Trimethylbenzene	105	15.60	0.928	A	1	A	B
77	T	tert-Butylbenzene	119	16.16	0.961	A	1	A	B
78	T	Pentachloroethane	167	16.15	0.961	LO	3	A	B
79	T	1,2,4-Trimethylbenzene	105	16.24	0.966	A	1	A	B
80	T	sec-Butylbenzene	105	16.55	0.985	A	1	A	B
81	T	1,3-Dichlorobenzene	146	16.69	0.993	A	2	A	B
82	T	p-Isopropyltoluene	119	16.83	1.001	A	1	A	B
83	T	1,4-Dichlorobenzene	146	16.84	1.002	A	2	A	B
84	T	1,2-Dichlorobenzene	146	17.49	1.040	A	2	A	B
85	T	n-Butylbenzene	91	17.56	1.044	A	1	A	B
86	T	DBCP	75	18.87	1.122	A	2	A	B
87	T	1,2,4-Trichlorobenzene	180	20.39	1.213	A	1	A	B
88	T	Hexachlorobutadiene	225	20.76	1.235	A	1	A	B
89	T	Naphthalene	128	20.80	1.237	A	0	A	B
90	T	1,2,3-Trichlorobenzene	180	21.25	1.264	A	1	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

W8260ALL.M Thu Apr 30 13:27:34 1998 RP1

Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03637.d
Acq On : 30 Apr 98 1:55 pm
Sample : MB*NONE*1
Misc :
Quant Time: May 5 16:01 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.92	541	478784	50.00	ug/L	0.00
30) 1,4-Difluorobenzene	8.03	648	999434	50.00	ug/L	0.00
52) Chlorobenzene-d5	12.75	1104	877888	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	407849	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.26	574	494683	54.99	ug/L	109.98%
32) Dibromofluoromethane	6.78	527	321826	50.75	ug/L	101.50%
47) Toluene-d8	10.37	874	1323537	50.48	ug/L	100.95%
51) Bromofluorobenzene	14.79	1301	496963	50.12	ug/L	100.24%
Target Compounds						**Qvalue**
11) Acetone	3.36	197	6689	3.46	ug/L	35
16) Methylene Chloride	3.99	257	17475	2.23	ug/L	94
89) Naphthalene	20.81	1883	10541	0.75	ug/L	100

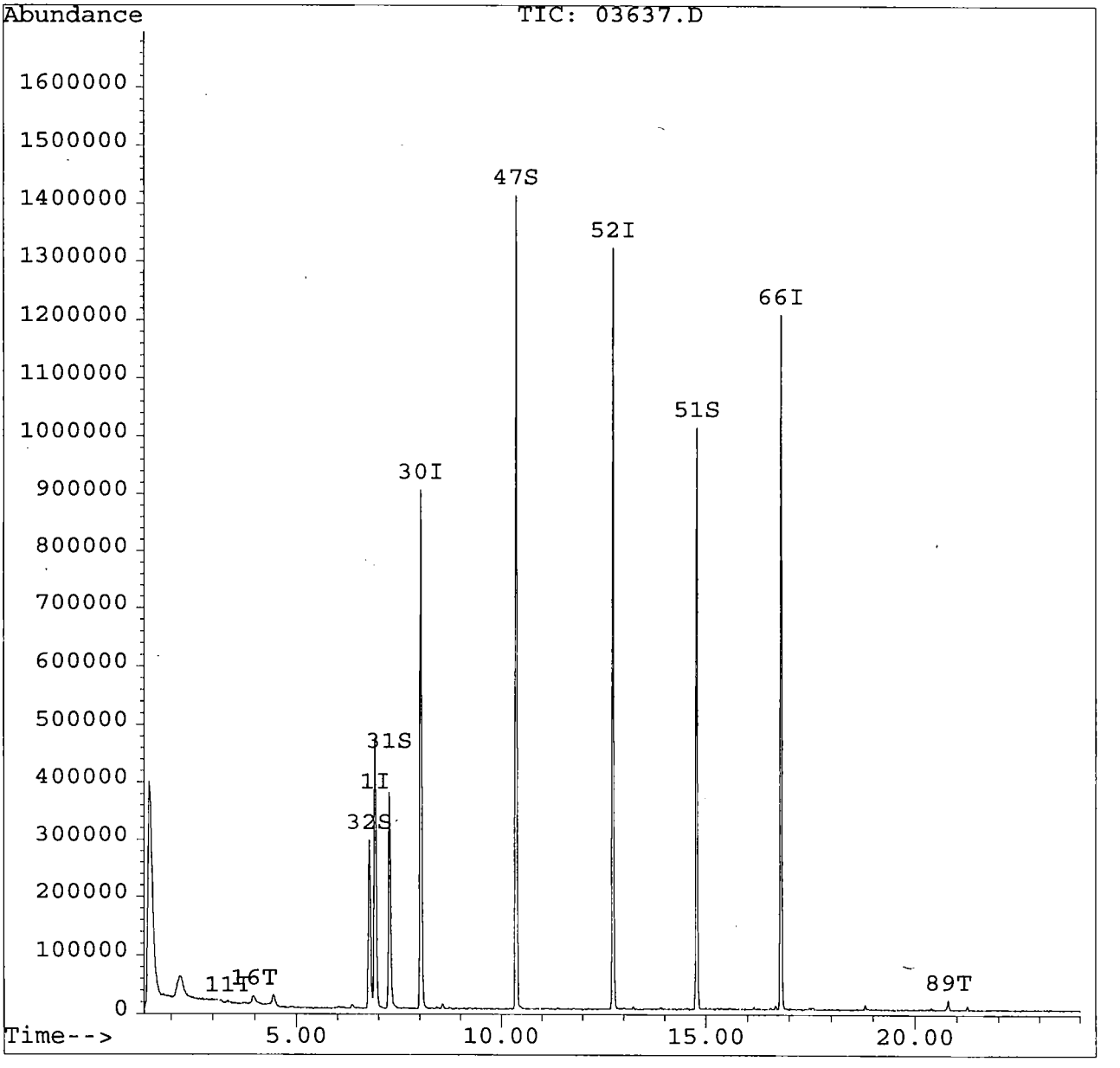
(#) = qualifier out of range (m) = manual integration

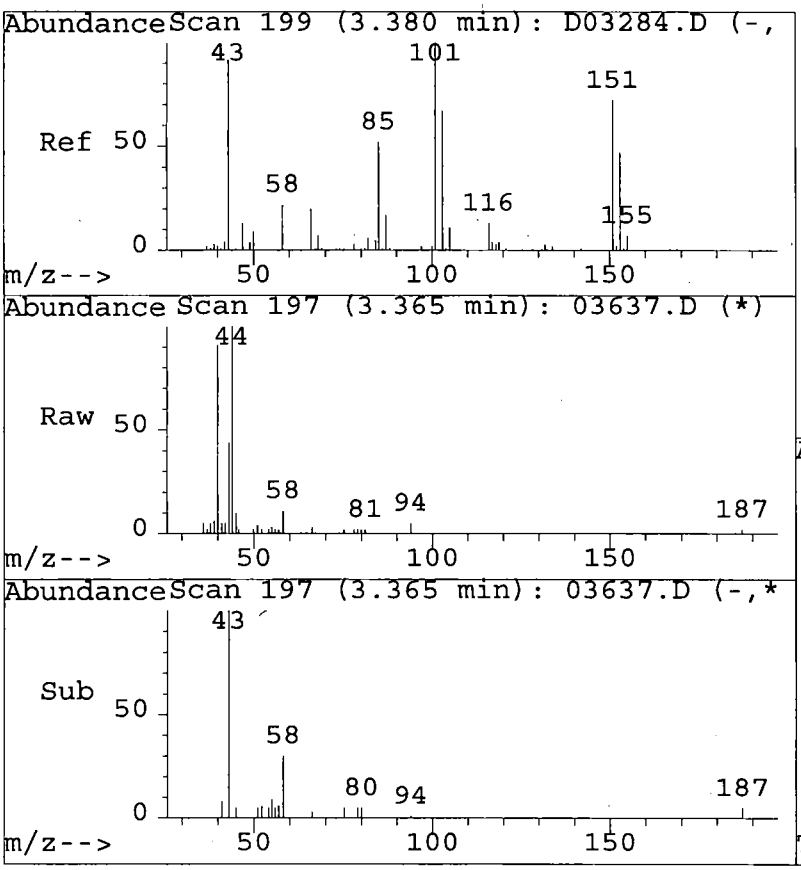
Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03637.d
Acq On : 30 Apr 98 1:55 pm
Sample : MB*NONE*1
Misc :
Quant Time: May 5 16:01 1998

Vial: 10
Operator:
Inst : VOA8
Multiplr: 1.00

Method : C:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

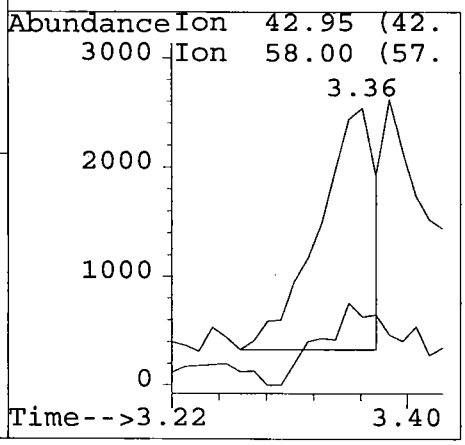


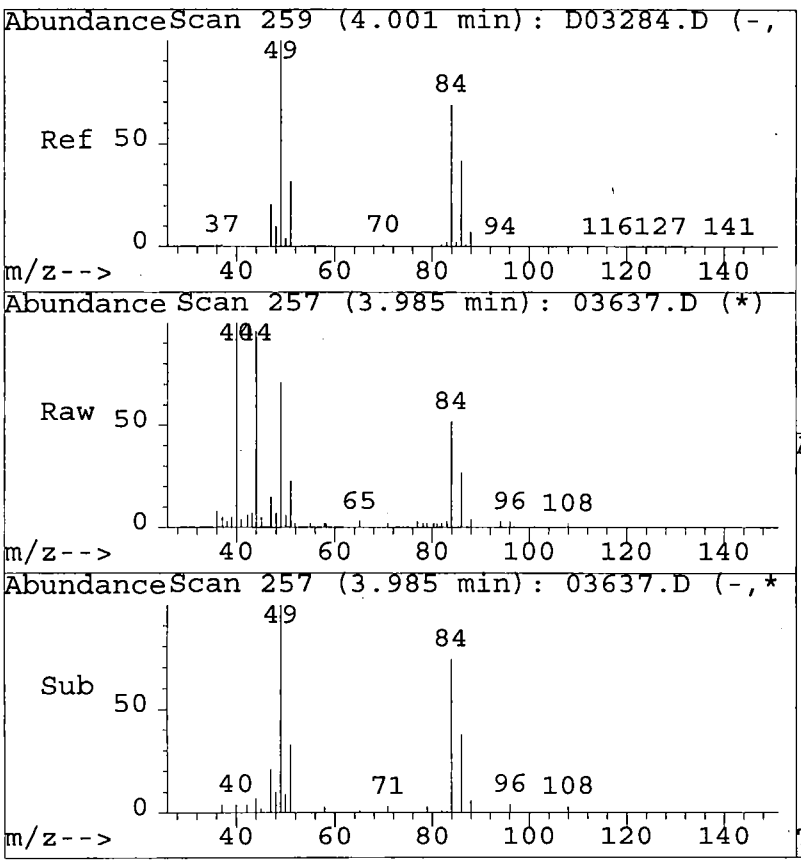


#11
Acetone
Concen: 3.46 ug/L
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: 03637.d
Acq: 30 Apr 98 1:55 pm

Tgt Ion:42.95 Resp: 6689

Ion	Ratio	Lower	Upper
43	100		
58	59.2	0.0	126.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

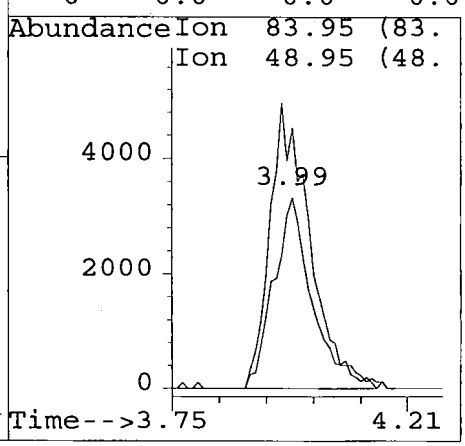


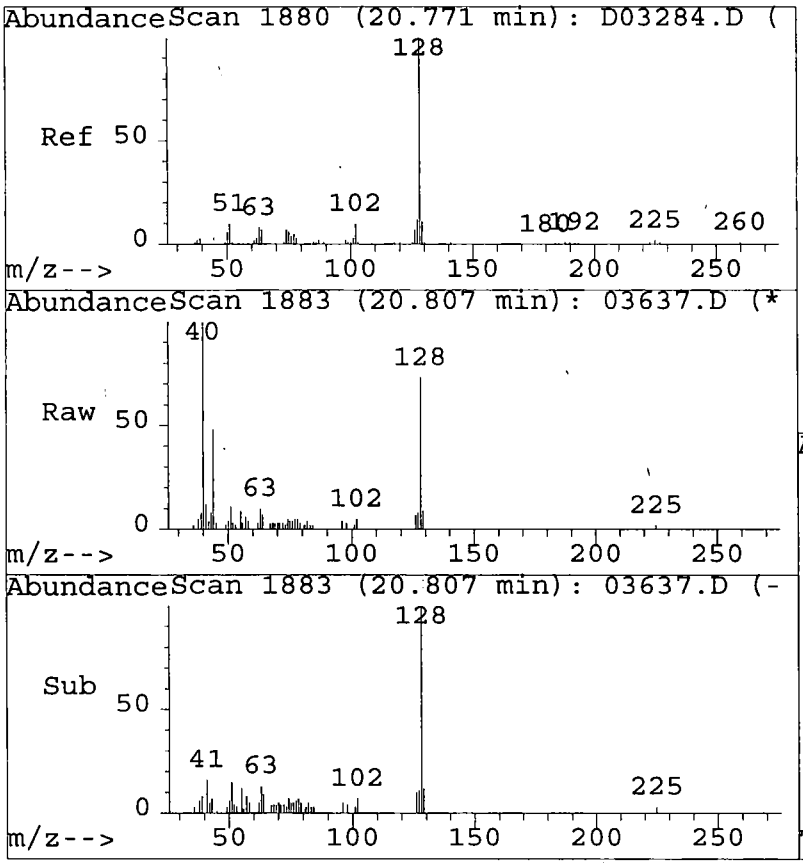


#16
Methylene Chloride
Concen: 2.23 ug/L
RT: 3.99 min Scan# 257
Delta R.T. 0.01 min
Lab File: 03637.d
Acq: 30 Apr 98 1:55 pm

Tgt Ion:83.95 Resp: 17475

Ion	Ratio	Lower	Upper
84	100		
49	154.8	47.6	247.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

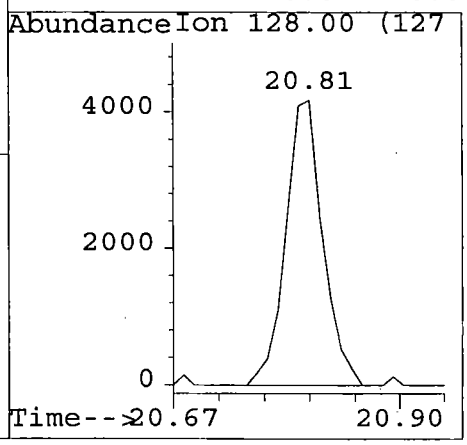




#89
Naphthalene
Concen: 0.75 ug/L
RT: 20.81 min Scan# 1883
Delta R.T. 0.01 min
Lab File: 03637.d
Acq: 30 Apr 98 1:55 pm

Tgt Ion:128 Resp: 10541

Ion	Ratio	Lower	Upper
128	100		
0	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03638.d
Acq On : 30 Apr 98 2:25 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 5 16:03 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.93	542	548891	50.00	ug/L	0.01
30) 1,4-Difluorobenzene	8.04	649	1107697	50.00	ug/L	0.01
52) Chlorobenzene-d5	12.75	1104	972538	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	443871	50.00	ug/L	0.00
System Monitoring Compounds						**%Recovery**
31) 1,2-Dichloroethane-d4	7.28	576	500909	50.24	ug/L	100.48%
32) Dibromofluoromethane	6.79	528	331114	47.11	ug/L	94.23%
47) Toluene-d8	10.38	875	1428391	49.15	ug/L	98.30%
51) Bromofluorobenzene	14.78	1301	526723	47.93	ug/L	95.85%
Target Compounds						**Qvalue**
3) Chloromethane	1.82	48	259973	23.96	ug/L	99
4) Vinyl Chloride	1.94	59	181739	18.27	ug/L	99
5) Bromomethane	2.26	90	166440	18.35	ug/L	97
6) Chloroethane	2.38	102	151477	29.30	ug/L	97
7) Trichlorofluoromethane	2.68	131	167425	13.92	ug/L	98
8) 1,1-Dichloroethene	3.31	192	117639	18.41	ug/L	99
11) Acetone	3.37	198	62480	28.16	ug/L	96
12) Carbon Disulfide	3.57	217	520547	19.60	ug/L	100
16) Methylene Chloride	3.99	258	205480	22.87	ug/L	97
18) trans-1,2-Dichloroethene	4.43	300	149583	20.79	ug/L	100
19) 1,1-Dichloroethane	5.08	363	323712	21.80	ug/L	100
21) Vinyl Acetate	5.23	377	346969	24.12	ug/L	100
23) cis-1,2-Dichloroethene	6.01	453	263138	18.26	ug/L	88
24) 2-Butanone	6.06	458	17002	22.56	ug/L	99
28) Chloroform	6.55	505	304771	19.65	ug/L	99
29) 1,1,1-Trichloroethane	6.80	529	215182	19.37	ug/L	98
35) 1,2-Dichloroethane	7.40	587	262969	20.09	ug/L	99
36) Carbon Tetrachloride	7.07	555	148045	16.23	ug/L	98
38) Benzene	7.38	585	719746	19.19	ug/L	100
39) Trichloroethene	8.42	686	127772	17.30	ug/L	98
41) 1,2-Dichloropropane	8.75	718	182793	18.86	ug/L	99
43) Bromodichloromethane	9.23	764	239455	21.04	ug/L	99
45) cis-1,3-Dichloropropene	9.95	834	275444	19.92	ug/L	98
46) 4-Methyl-2-pentanone	10.23	861	136769	19.16	ug/L	99
48) Toluene	10.48	885	716362	18.48	ug/L	100
49) trans-1,3-Dichloropropene	10.87	923	231345	19.40	ug/L	100
50) 1,1,2-Trichloroethane	11.15	950	117428	19.05	ug/L	89
55) Tetrachloroethene	11.39	973	85215	12.63	ug/L	97
57) 2-Hexanone	11.62	995	91767	19.60	ug/L	97
58) Dibromochloromethane	11.78	1011	127411	19.62	ug/L	98
59) Chlorobenzene	12.80	1109	399098	18.95	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03638.d Vial: 11
Acq On : 30 Apr 98 2:25 pm Operator:
Sample : SP1*NONE*1 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: May 5 16:03 1998

Method : c:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Compound	R.T.	Scan	Response	Conc Unit	Qvalue
61) Ethylbenzene	13.03	1131	204818	18.17 ug/L	99
62) Meta + Para Xylene	13.24	1152	262416	17.00 ug/L	99
64) Xylene (total)	13.24	1152	262416	17.45 ug/L	98
65) Styrene	13.93	1218	439752	16.46 ug/L	87
67) Bromoform	14.18	1243	68045	21.37 ug/L	99
70) 1,1,2,2-Tetrachloroethane	15.08	1330	137178	21.83 ug/L	98

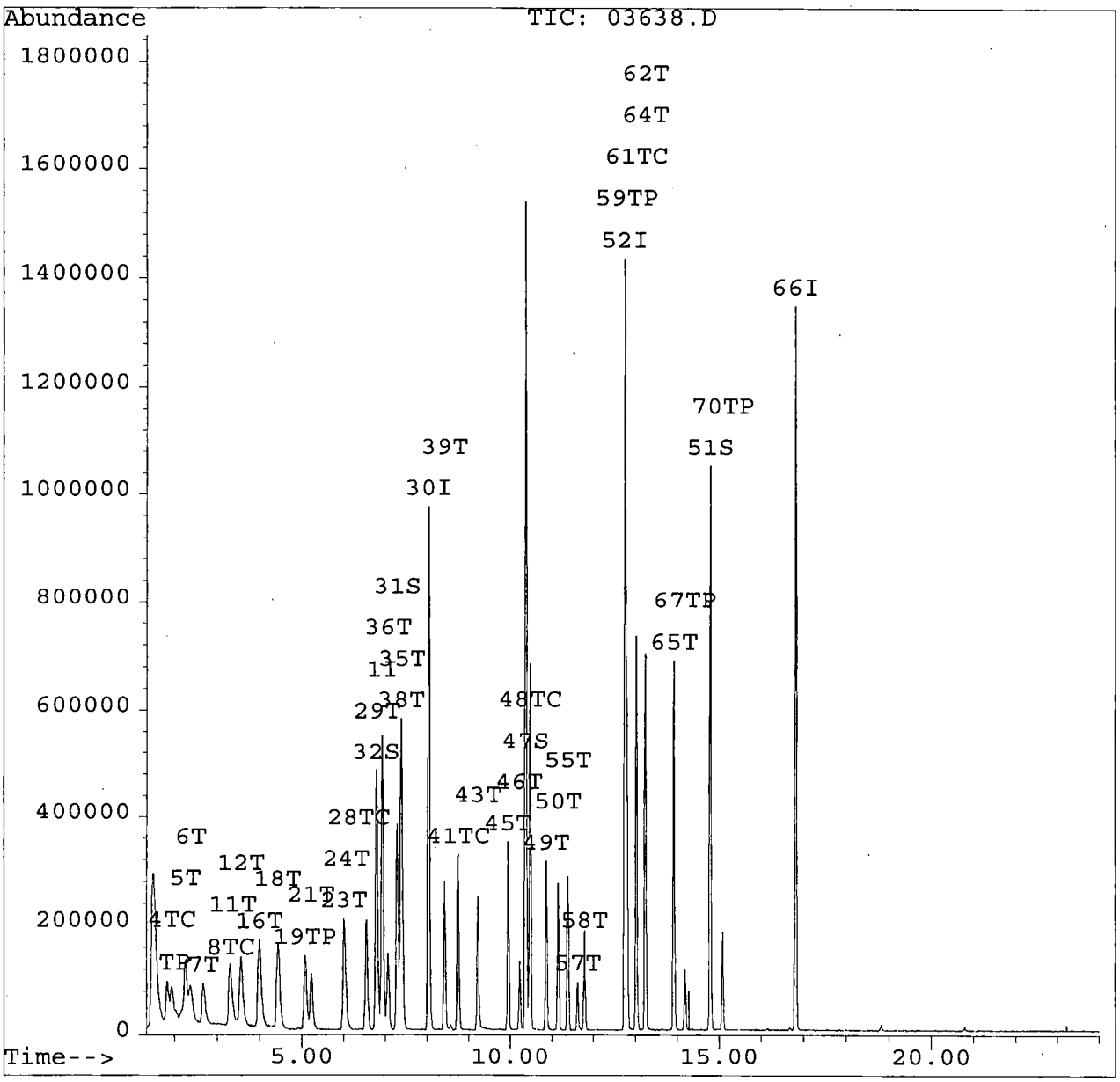
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03638.d
Acq On : 30 Apr 98 2:25 pm
Sample : SP1*NONE*1
Misc :
Quant Time: May 5 16:03 1998

Vial: 11
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03643.d Vial: 16
Acq On : 30 Apr 98 4:59 pm Operator:
Sample : TLCEDW1*12 Inst : VOA8
Misc : Multiplr: 1.00
Quant Time: May 5 16:15 1998

Method : c:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.90	539	465674	50.00 ug/L	-0.02
30) 1,4-Difluorobenzene	8.02	647	842587	50.00 ug/L	-0.01
52) Chlorobenzene-d5	12.74	1103	718470	50.00 ug/L	-0.01
66) 1,4-Dichlorobenzene-d4	16.81	1497	333698	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
31) 1,2-Dichloroethane-d4	7.25	573	422682	55.73 ug/L	111.47%
32) Dibromofluoromethane	6.76	525	286884	53.66 ug/L	107.33%
47) Toluene-d8	10.37	874	1208288	54.66 ug/L	109.32%
51) Bromofluorobenzene	14.77	1300	423627	50.67 ug/L	101.35%

Target Compounds Qvalue

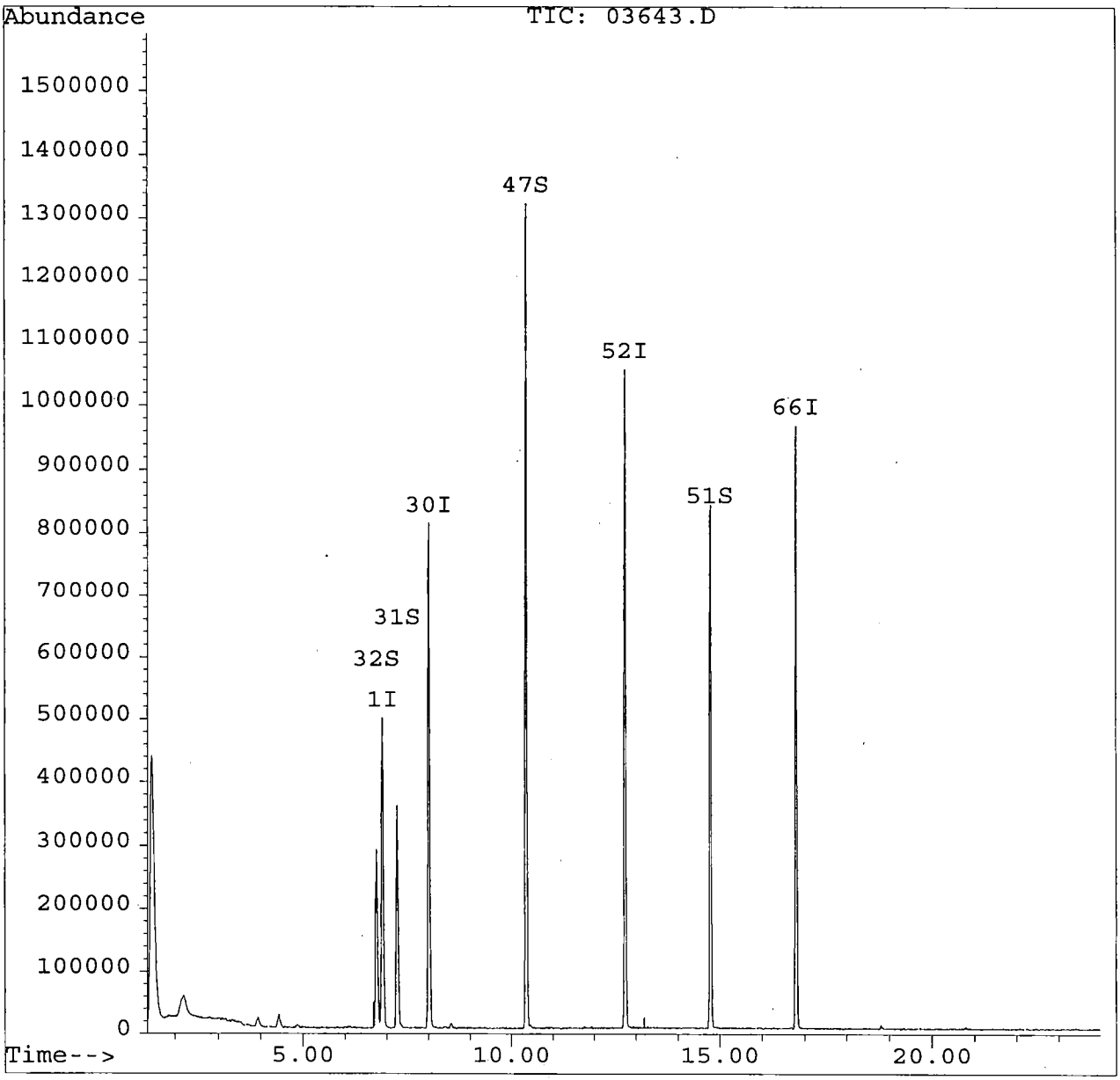
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03643.d
Acq On : 30 Apr 98 4:59 pm
Sample : TLCEDW1*12
Misc :
Quant Time: May 5 16:15 1998

Vial: 16
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03644.d
Acq On : 30 Apr 98 5:33 pm
Sample : TLCEDW1*13
Misc :
Quant Time: May 5 16:14 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration

Internal Standards	R.T.	Scan	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.91	540	431844	50.00 ug/L	-0.01
30) 1,4-Difluorobenzene	8.03	648	787344	50.00 ug/L	0.00
52) Chlorobenzene-d5	12.74	1104	681530	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4	16.81	1497	311987	50.00 ug/L	0.00

System Monitoring Compounds					%Recovery
31) 1,2-Dichloroethane-d4	7.26	574	375333	52.96 ug/L	105.92%
32) Dibromofluoromethane	6.77	526	253336	50.71 ug/L	101.43%
47) Toluene-d8	10.38	875	1022127	49.48 ug/L	98.96%
51) Bromofluorobenzene	14.78	1301	359799	46.06 ug/L	92.12%

Target Compounds Qvalue

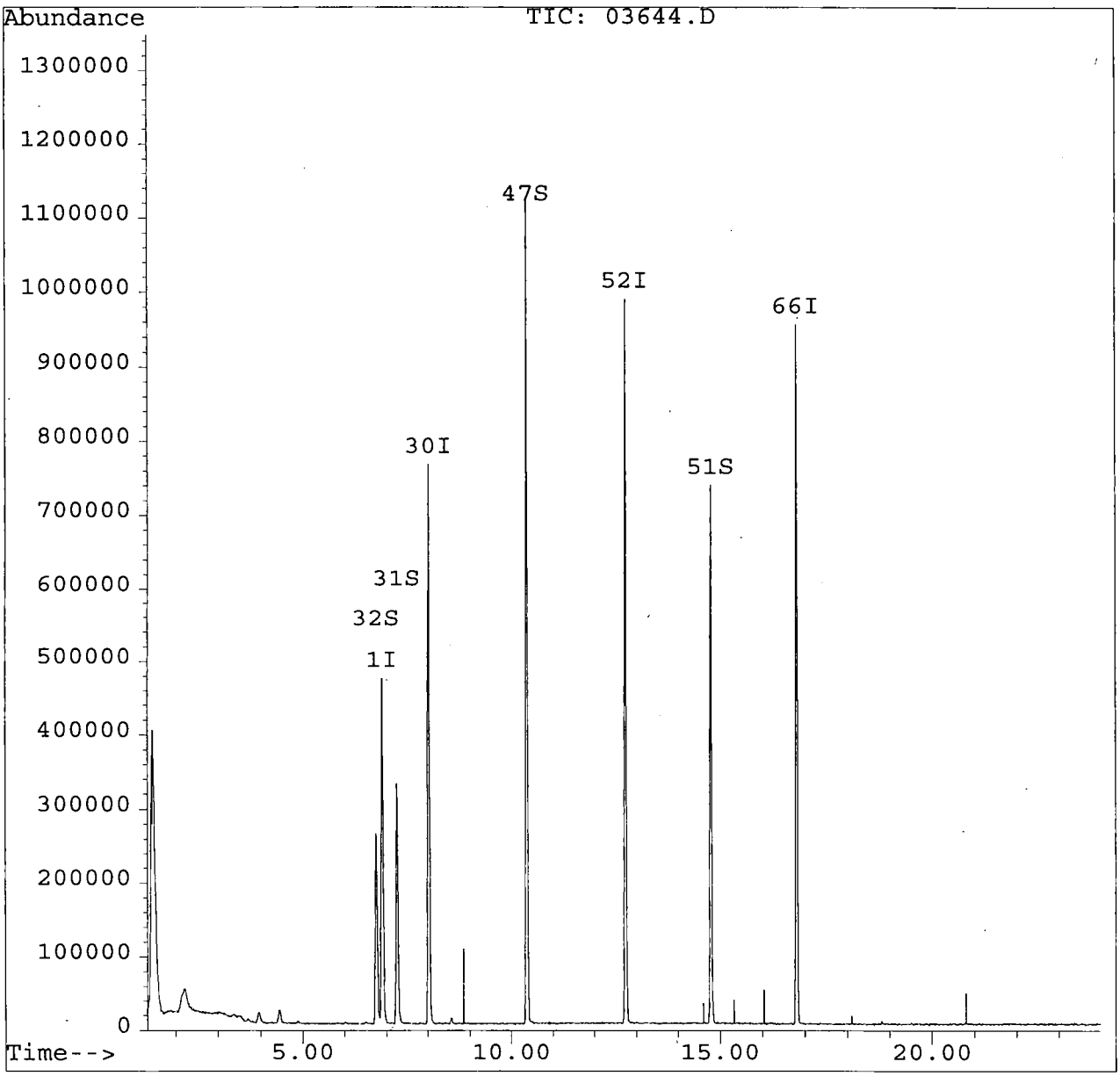
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : c:\hpchem\1\data\04_30_98\03644.d
Acq On : 30 Apr 98 5:33 pm
Sample : TLCEDW1*13
Misc :
Quant Time: May 5 16:14 1998

Vial: 1
Operator:
Inst : VOA8
Multiplr: 1.00

Method : c:\HPCHEM\1\DATA\04_30_98\W8260ALL.M
Title : 8260
Last Update : Fri Apr 24 14:19:32 1998
Response via : Multiple Level Calibration



Other Relevant Documentation

QST BATCH : G90413

QC TYPE : FDER/SW
ANALYST : GREGORY LAMB
EXTRACTOR :
DATA ENTRY : GREGORY LAMB

REPORT DATE/TIME : 05/13/98 09:48
ANALYSIS DATE/TIME : 04/30/98
EXTRACT DATE :

STATUS :

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
DOWNLOAD FILE=04_29_98.UPG

FIELD GRP	QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
TLCEDW1	FDER	1298524 0201	TECH LAW-CAMP EDWARDS	SUZANNE WOODWARD
TLVW	FDER	1298524 0201	TECH-LAW VOA WATERS	SUZANNE WOODWARD

Sample Specific Raw Data

SAMPLE CODE	EXTRACT DATE	ANALYSIS DATE	ANALYSIS TIME	SAMPLE VOL or WT (NA)	EXTRACT VOL or WT (NA)	INJECTION VOLUME (NA)	%MOISTURE
MB*NONE*1		04/29/98	12:24PM				
SP1*NONE*1		04/29/98	12:55PM				
DA*TLVW*8		04/29/98	02:39PM				
DA*TLVW*1		04/29/98	03:09PM				
SPM1*TLVW*8		04/29/98	03:41PM				
SPM2*TLVW*8		04/29/98	04:12PM				
DA*TLVW*2		04/29/98	04:42PM				
DA*TLVW*3		04/29/98	05:12PM				
DA*TLVW*5		04/29/98	06:13PM				
DA*TLVW*6		04/29/98	06:43PM				
DA*TLVW*7		04/29/98	07:13PM				
DA*TLVW*9		04/29/98	07:44PM				
MB*STORAGE*1		04/29/98	08:14PM				
MB*NONE*2		04/30/98	01:55PM				
SP1*NONE*2		04/30/98	02:25PM				
DA*TLVW*4		04/30/98	02:55PM				
DA*TLCEDW1*12		04/30/98	04:59PM				
DA*TLCEDW1*13		04/30/98	05:33PM				

Parameter Specific Raw Data

SAMPLE CODE	STORET NAME	STAT	RESP (UG/L)	UNC CONC (NA)	DIL	TYPE	CRV	RET TIME	SPIKE SOL CONC (NA)	SPIKE SAMP VOL (NA)	SPIKE VOLUME (NA)	DIL CODE	CALC'D TARGET (UG/L)
MB*NONE*1	CH3CL	OK	0	0.0	1								
	C2H3CL	OK	0	0.0	1								
	CH3BR	OK	0	0.0	1								
	C2H5CL	OK	0	0.0	1								
	11DCE	OK	0	0.0	1								
	ACET	OK	5.37	5.4	1			3.35					
	CS2	OK	0	0.0	1								
	CH2CL2	OK	1.86	1.9	1			3.96					
	T12DCE	OK	0	0.0	1								
	11DCLE	OK	0	0.0	1								
	C2AVE	OK	0	0.0	1								
	C12DCE	OK	0	0.0	1								
	MEK	OK	0	0.0	1								
	CHCL3	OK	0	0.0	1								
	111TCE	OK	0	0.0	1								
	12DCD4	OK	52.79	53	1.0			7.25					50
	CHB2F	OK	50.07	50	1.0			6.76					50
	12DCLE	OK	0	0.0	1								
	CCL4	OK	0	0.0	1								
	C6H6	OK	0	0.0	1								
	TRCLE	OK	0	0.0	1								
	12DCLP	OK	0	0.0	1								
	BRDCLM	OK	0	0.0	1								
	C13DCP	OK	0	0.0	1								
	MIBK	OK	0	0.0	1								
	MEC6H5	OK	51.95	52	1.0			10.36					50
	MEC6H5	OK	0	0.0	1								
	T13DCP	OK	0	0.0	1								
	112TCE	OK	0	0.0	1								
	BFB	OK	50.55	51	1.0			14.76					50
	TCLEE	OK	0	0.0	1								
	MNBK	OK	0	0.0	1								
	DBRCLM	OK	0	0.0	1								
	CLC6H5	OK	0	0.0	1								
	ETC6H5	OK	0	0.0	1								
	XYLEN	OK	0	0.0	1								
	STYR	OK	0	0.0	1								
	CHBR3	OK	0	0.0	1								
	TCLEA	OK	0	0.0	1								
SP1*NONE*1	CH3CL	OK	21.87	22	1			1.82					20
	C2H3CL	OK	21.89	22	1			1.93					20
	CH3BR	OK	18.80	19	1			2.24					20
	C2H5CL	OK	30.76	31	1			2.37					20
	11DCE	OK	22.16	22	1			3.30					20
	ACET	OK	25.73	26	1			3.37					20
	CS2	OK	21.85	22	1			3.54					20
	CH2CL2	OK	21.81	22	1			3.98					20
	T12DCE	OK	21.48	21	1			4.43					20
	11DCLE	OK	20.48	20	1			5.08					20
	C2AVE	OK	23.85	24	1			5.22					20
	C12DCE	OK	17.42	17	1			6.00					20
	MEK	OK	20.70	21	1			6.04					20
	CHCL3	OK	18.83	19	1			6.53					20
	111TCE	OK	21.13	21	1			6.77					20
	12DCD4	OK	55.05	55	1.0			7.26					50
	CHB2F	OK	52.50	53	1.0			6.77					50
	12DCLE	OK	20.75	21	1			7.38					20
	CCL4	OK	22.23	22	1			7.04					20
	C6H6	OK	20.13	20	1			7.36					20
	TRCLE	OK	19.80	20	1			8.41					20
	12DCLP	OK	19.73	20	1			8.73					20
	BRDCLM	OK	21.82	22	1			9.21					20
	C13DCP	OK	20.70	21	1			9.94					20
	MIBK	OK	21.52	22	1			10.22					20
	MEC6H5	OK	54.67	55	1.0			10.36					50
	MEC6H5	OK	19.78	20	1			10.47					20
	T13DCP	OK	20.82	21	1			10.85					20
	112TCE	OK	20.42	20	1			11.14					20
	BFB	OK	53.62	54	1.0			14.77					50
	TCLEE	OK	15.19	15	1			11.37					20
	MNBK	OK	23.11	23	1			11.61					20
	DBRCLM	OK	20.73	21	1			11.77					20
	CLC6H5	OK	20.16	20	1			12.78					20
	ETC6H5	OK	20.34	20	1			13.01					20

	XYLEN	OK	19.84	20	1	13.22	20
	STYR	OK	18.03	18	1	13.91	20
	CHBR3	OK	23.03	23	1	14.17	20
	TCLEA	OK	23.41	23	1	15.07	20
DA*TLVW*8	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	46.97	47	1.0	7.26	50
	CHB2F	OK	47.59	48	1.0	6.76	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.22	50	1.0	10.36	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	47.53	48	1.0	14.77	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLVW*1	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	50.12	50	1.0	7.26	50
	CHB2F	OK	47.45	47	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.08	50	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	47.86	48	1.0	14.77	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		

	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
SPM1*TLVW*8	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	51.26	51	1	3.28	50
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	50.77	51	1.0	7.26	50
	CHB2F	OK	48.70	49	1.0	6.77	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	52.74	53	1	7.36	50
	TRCLE	OK	47.93	48	1	8.41	50
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.93	51	1.0	10.37	50
	MEC6H5	OK	52.48	52	1	10.47	50
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	48.74	49	1.0	14.77	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	52.52	53	1	12.79	50
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
SPM2*TLVW*8	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	50.93	51	1	3.29	50
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	48.46	48	1.0	7.27	50
	CHB2F	OK	48.44	48	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	54.10	54	1	7.37	50
	TRCLE	OK	47.92	48	1	8.41	50
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.76	51	1.0	10.37	50
	MEC6H5	OK	53.87	54	1	10.47	50
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	48.11	48	1.0	14.77	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	54.36	54	1	12.79	50
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		

DA*TLVW*2	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	53.23	53	1.0	7.26	50
	CHB2F	OK	50.16	50	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.26	50	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	49.45	49	1.0	14.78	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLVW*3	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	53.51	54	1.0	7.26	50
	CHB2F	OK	50.38	50	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	52.15	52	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	48.62	49	1.0	14.77	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLVW*5	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		

	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	342.65	340	1	3.29	
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	2.00	2.0	1	5.08	
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	6.23	6.2	1	6.01	
	MEK	OK	0	0.0	1		
	CHCL3	OK	4.68	4.7	1	6.54	
	111TCE	OK	57.76	58	1	6.78	
	12DCD4	OK	51.33	51	1.0	7.27	50
	CHB2F	OK	49.99	50	1.0	6.77	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	36.772	7400	200	8.43	
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.09	50	1.0	10.36	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	5.36	5.4	1	11.14	
	BFB	OK	47.79	48	1.0	14.78	50
	TCLEE	OK	36.63	37	1	11.38	
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLVW*6	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	41.98	42	1	3.29	
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	1.16	1.2	1	6.53	
	111TCE	OK	9.20	9.2	1	6.78	
	12DCD4	OK	52.34	52	1.0	7.26	50
	CHB2F	OK	48.98	49	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	50.754	1000	20	8.42	
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.18	50	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	47.75	48	1.0	14.78	50
	TCLEE	OK	6.03	6.0	1	11.38	
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLVW*7	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		

	11DCE	OK	47.00	47	1	3.28	
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	1.34	1.3	1	6.53	
	111TCE	OK	10.58	11	1	6.79	
	12DCD4	OK	50.14	50	1.0	7.26	50
	CHB2F	OK	46.84	47	1.0	6.77	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	49.767	1000	20	8.42	
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	48.76	49	1.0	10.36	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	45.95	46	1.0	14.78	50
	TCLEE	OK	7.06	7.1	1	11.38	
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLVW*9	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	52.17	52	1.0	7.26	50
	CHB2F	OK	49.04	49	1.0	6.77	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.27	50	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	48.64	49	1.0	14.78	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
MB*STORAGE*1	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		

	CS2	OK	0	0.0	1		
	CH2CL2	OK	2.36	2.4	1	3.97	
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	49.31	49	1.0	7.27	50
	CHB2F	OK	48.38	48	1.0	6.77	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	49.55	50	1.0	10.36	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	47.03	47	1.0	14.78	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
MB*NONE*2	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	3.46	3.5	1	3.36	
	CS2	OK	0	0.0	1		
	CH2CL2	OK	2.23	2.2	1	3.99	
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	54.99	55	1.0	7.26	50
	CHB2F	OK	50.75	51	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.48	50	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	50.12	50	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
SP1*NONE*2	CH3CL	OK	23.96	24	1	1.82	20
	C2H3CL	OK	18.27	18	1	1.94	20
	CH3BR	OK	18.35	18	1	2.26	20
	C2H5CL	OK	29.30	29	1	2.38	20
	11DCE	OK	18.41	18	1	3.31	20
	ACET	OK	28.16	28	1	3.37	20
	CS2	OK	19.60	20	1	3.57	20
	CH2CL2	OK	22.87	23	1	3.99	20

	T12DCE	OK	20.79	21	1	4.43	20
	11DCLE	OK	21.80	22	1	5.08	20
	C2AVE	OK	24.12	24	1	5.23	20
	C12DCE	OK	18.26	18	1	6.01	20
	MEK	OK	22.56	23	1	6.06	20
	CHCL3	OK	19.65	20	1	6.55	20
	111TCE	OK	19.37	19	1	6.80	20
	12DCD4	OK	50.24	50	1.0	7.28	50
	CHB2F	OK	47.11	47	1.0	6.79	50
	12DCLE	OK	20.09	20	1	7.40	20
	CCL4	OK	16.23	16	1	7.07	20
	C6H6	OK	19.19	19	1	7.38	20
	TRCLE	OK	17.30	17	1	8.42	20
	12DCLP	OK	18.86	19	1	8.75	20
	BRDCLM	OK	21.04	21	1	9.23	20
	C13DCP	OK	19.92	20	1	9.95	20
	MIBK	OK	19.16	19	1	10.23	20
	MEC6H5	OK	49.15	49	1.0	10.38	50
	MEC6H5	OK	18.48	18	1	10.48	20
	T13DCP	OK	19.40	19	1	10.87	20
	112TCE	OK	19.05	19	1	11.15	20
	BFB	OK	47.93	48	1.0	14.78	50
	TCLEE	OK	12.63	13	1	11.39	20
	MNBK	OK	19.60	20	1	11.62	20
	DBRCLM	OK	19.62	20	1	11.78	20
	CLC6H5	OK	18.95	19	1	12.80	20
	ETC6H5	OK	18.17	18	1	13.03	20
	XYLEN	OK	17.45	17	1	13.24	20
	STYR	OK	16.46	16	1	13.93	20
	CHBR3	OK	21.37	21	1	14.18	20
	TCLEA	OK	21.83	22	1	15.08	20
DA*TLVW*4	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	50.81	51	1.0	7.28	50
	CHB2F	OK	49.44	49	1.0	6.78	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	16.01	16	1	8.43	
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	50.40	50	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	48.51	49	1.0	14.79	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*12	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		

	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	55.73	56	1.0	7.25	50
	CHB2F	OK	53.66	54	1.0	6.76	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	54.66	55	1.0	10.37	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	50.67	51	1.0	14.77	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		
DA*TLCEDW1*13	CH3CL	OK	0	0.0	1		
	C2H3CL	OK	0	0.0	1		
	CH3BR	OK	0	0.0	1		
	C2H5CL	OK	0	0.0	1		
	11DCE	OK	0	0.0	1		
	ACET	OK	0	0.0	1		
	CS2	OK	0	0.0	1		
	CH2CL2	OK	0	0.0	1		
	T12DCE	OK	0	0.0	1		
	11DCLE	OK	0	0.0	1		
	C2AVE	OK	0	0.0	1		
	C12DCE	OK	0	0.0	1		
	MEK	OK	0	0.0	1		
	CHCL3	OK	0	0.0	1		
	111TCE	OK	0	0.0	1		
	12DCD4	OK	52.96	53	1.0	7.26	50
	CHB2F	OK	50.71	51	1.0	6.77	50
	12DCLE	OK	0	0.0	1		
	CCL4	OK	0	0.0	1		
	C6H6	OK	0	0.0	1		
	TRCLE	OK	0	0.0	1		
	12DCLP	OK	0	0.0	1		
	BRDCLM	OK	0	0.0	1		
	C13DCP	OK	0	0.0	1		
	MIBK	OK	0	0.0	1		
	MEC6H5	OK	49.48	49	1.0	10.38	50
	MEC6H5	OK	0	0.0	1		
	T13DCP	OK	0	0.0	1		
	112TCE	OK	0	0.0	1		
	BFB	OK	46.06	46	1.0	14.78	50
	TCLEE	OK	0	0.0	1		
	MNBK	OK	0	0.0	1		
	DBRCLM	OK	0	0.0	1		
	CLC6H5	OK	0	0.0	1		
	ETC6H5	OK	0	0.0	1		
	XYLEN	OK	0	0.0	1		
	STYR	OK	0	0.0	1		
	CHBR3	OK	0	0.0	1		
	TCLEA	OK	0	0.0	1		

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T.	OVER

ALL HOLDING TIMES MET

STORET: 34418 METHOD: 8260-G CHLOROMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 4.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	22	22	20	110.0	
SP1*NONE*2	0.0	24	24	20	120.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 39175 METHOD: 8260-G VINYL CHLORIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 4.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	22	22	20	110.0	
SP1*NONE*2	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34413 METHOD: 8260-G BROMOMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	19	19	20	95.0	
SP1*NONE*2	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34311 METHOD: 8260-G CHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 8.2 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	31	31	20	155.0		Recovery exceeds criteria. (>130)
SP1*NONE*2	0.0	29	29	20	145.0		Recovery exceeds criteria. (>130)

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34501 METHOD: 8260-G 1,1-DICHLOROETHYLENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.2 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	22	22	20	110.0	
SP1*NONE*2	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	51	51	50	102.0	
SPM2*TLVW*8	0.0	51	51	50	102.0	0.0

STORET: 81552 METHOD: 8260-G ACETONE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 9.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	5.4
STORAGE*1	0.0
NONE*2	3.5

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	5.4	26	21	20	105.0	
SP1*NONE*2	3.5	28	25	20	125.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 77041 METHOD: 8260-G CARBON DISULFIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 4.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	22	22	20	110.0		Recovery exceeds criteria. (>109)
SP1*NONE*2	0.0	20	20	20	100.0		

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34423 METHOD: 8260-G METHYLENE CHLORIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 6.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	1.9
STORAGE*1	2.4
NONE*2	2.2

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	1.9	22	20	20	100.0	
SP1*NONE*2	2.2	23	21	20	105.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34546 METHOD: 8260-G TRANS-1,2-DICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	21	21	20	105.0	
SP1*NONE*2	0.0	21	21	20	105.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34496 METHOD: 8260-G 1,1-DICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	22	22	20	110.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 77057 METHOD: 8260-G VINYL ACETATE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 10.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	24	24	20	120.0	
SP1*NONE*2	0.0	24	24	20	120.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 77093 METHOD: 8260-G CIS-1,2-DICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION

NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	17	17	20	85.0	
SP1*NONE*2	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 81595 METHOD: 8260-G METHYL ETHYL KETONE (MEK), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 10 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	21	21	20	105.0	
SP1*NONE*2	0.0	23	23	20	115.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 32106 METHOD: 8260-G CHLOROFORM, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	19	19	20	95.0	
SP1*NONE*2	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34506 METHOD: 8260-G 1,1,1-TRICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	21	21	20	105.0	
SP1*NONE*2	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 94386 METHOD: SUR 1,2-DICHLOROETHANE-D(4)(8260), UG/L FINAL

CALIBRATION CURVE # 1

DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 95376 METHOD: SUR DIBROMOFLUOROMETHANE (8260), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 34531 METHOD: 8260-G 1,2-DICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	21	21	20	105.0	
SP1*NONE*2	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 32102 METHOD: 8260-G CARBON TETRACHLORIDE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	22	22	20	110.0	
SP1*NONE*2	0.0	16	16	20	80.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34030 METHOD: 8260-G BENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	53	53	50	106.0	
SPM2*TLVW*8	0.0	54	54	50	108.0	1.9

STORET: 39180 METHOD: 8260-G TRICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	17	17	20	85.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	48	48	50	96.0	
SPM2*TLVW*8	0.0	48	48	50	96.0	0.0

STORET: 34541 METHOD: 8260-G 1,2-DICHLOROPROPANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 32101 METHOD: 8260-G BROMODICHLOROMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.2 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	22	22	20	110.0	
SP1*NONE*2	0.0	21	21	20	105.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34704 METHOD: 8260-G CIS-1,3-DICHLOROPROPENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	21	21	20	105.0	
SP1*NONE*2	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 81596 METHOD: 8260-G METHYL ISOBUTYL KETONE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 12.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	22	22	20	110.0	
SP1*NONE*2	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 95377 METHOD: SUR TOLUENE-D8 (8260), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 34010 METHOD: 8260-G TOLUENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.7 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	52	52	50	104.0	
SPM2*TLVW*8	0.0	54	54	50	108.0	3.8

STORET: 34699 METHOD: 8260-G TRANS-1,3-DICHLOROPROPENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	21	21	20	105.0	
SP1*NONE*2	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34511 METHOD: 8260-G 1,1,2-TRICHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.8 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.

SPM1*TLVW*8	0.0	0.0	0.0		0.0
SPM2*TLVW*8	0.0	0.0	0.0		0.0

STORET: 95378 METHOD: SUR BROMOFLUOROBENZENE (8260), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = DATE: LARGEST RESP= %RSD=

STORET: 34475 METHOD: 8260-G TETRACHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.9 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	15	15	20	75.0	
SP1*NONE*2	0.0	13	13	20	65.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 77103 METHOD: 8260-G 2-HEXANONE (MBK), UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 21.0 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	23	23	20	115.0	
SP1*NONE*2	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 32105 METHOD: 8260-G DIBROMOCHLOROMETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.3 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	21	21	20	105.0	
SP1*NONE*2	0.0	20	20	20	100.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34301 METHOD: 8260-G CHLOROBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.4 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0

NONE*2 0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	19	19	20	95.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	53	53	50	106.0	
SPM2*TLVW*8	0.0	54	54	50	108.0	1.9

STORET: 34371 METHOD: 8260-G ETHYLBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.3 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	18	18	20	90.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 81551 METHOD: 8260-G XYLENES,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 3.72 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	20	20	20	100.0	
SP1*NONE*2	0.0	17	17	20	85.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 77128 METHOD: 8260-G STYRENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 0.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.	
SP1*NONE*1	0.0	18	18	20	90.0		Recovery exceeds criteria. (<91)
SP1*NONE*2	0.0	16	16	20	80.0		Recovery exceeds criteria. (<91)

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 32104 METHOD: 8260-G BROMOFORM, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 2.6 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	23	23	20	115.0	
SP1*NONE*2	0.0	21	21	20	105.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

STORET: 34516 METHOD: 8260-G 1,1,2,2-TETRACHLOROETHANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT = 1.5 DATE: LARGEST RESP= %RSD=

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0
STORAGE*1	0.0
NONE*2	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	23	23	20	115.0	
SP1*NONE*2	0.0	22	22	20	110.0	

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*TLVW*8	0.0	0.0	0.0		0.0	
SPM2*TLVW*8	0.0	0.0	0.0		0.0	

SURROGATE SPIKE(S)

QC.TYPE*FG*SEQ	PARAMETER		FOUND	TARGET	% RECV
MB*NONE*1	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	53	50	106.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	50	50	100.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	52	50	104.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	51	50	102.0
SP1*NONE*1	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	55	50	110.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	53	50	106.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	55	50	110.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	54	50	108.0
DA*TLVW*8	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	47	50	94.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	48	50	96.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
DA*TLVW*1	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	50	50	100.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
SPM1*TLVW*8	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	51	50	102.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	49	50	98.0
SPM2*TLVW*8	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	48	50	96.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	48	50	96.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	51	50	102.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
DA*TLVW*2	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	53	50	106.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	50	50	100.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	49	50	98.0
DA*TLVW*3	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	54	50	108.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	50	50	100.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	52	50	104.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	49	50	98.0
DA*TLVW*5	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	50	50	100.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
DA*TLVW*6	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	52	50	104.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
DA*TLVW*7	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	50	50	100.0

	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	46	50	92.0
DA*TLVW*9	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	52	50	104.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	49	50	98.0
MB*STORAGE*1	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	49	50	98.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	48	50	96.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	47	50	94.0
MB*NONE*2	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	55	50	110.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	51	50	102.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	50	50	100.0
SP1*NONE*2	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	50	50	100.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	47	50	94.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	48	50	96.0
DA*TLVW*4	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	51	50	102.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	49	50	98.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	50	50	100.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	49	50	98.0
DA*TLCEDW1*12	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	56	50	112.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	54	50	108.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	55	50	110.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	51	50	102.0
DA*TLCEDW1*13	94386*SUR 1,2-DICHLOROETHANE-D(4)(8260)	UG/L	53	50	106.0
	95376*SUR DIBROMOFLUOROMETHANE (8260)	UG/L	51	50	102.0
	95377*SUR TOLUENE-D8 (8260)	UG/L	49	50	98.0
	95378*SUR BROMOFLUOROBENZENE (8260)	UG/L	46	50	92.0

SAMPLE ID	34418 8260 CHLOROMETHANE UG/L	39175 8260 VINYL CHLORIDE UG/L	34413 8260 BROMOMETHANE UG/L	34311 8260 CHLOROETHANE UG/L	34501 8260 1,1-DICHLOROETHYLENE UG/L	81552 8260 ACETONE UG/L	77041 8260 CARBON DISULFIDE UG/L	34423 8260 METHYLENE CHLORIDE UG/L	34546 8260 TRANS-1,2-DICHLOROET UG/L	34496 8260 1,1-DICHLOROETHANE UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	5.4	0.0	1.9	0.0	0.0
TLVW*8	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLVW*1	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLVW*2	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLVW*3	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLVW*5	<4.4	<4.6	<3.5	<8.2	340	<9.0	<4.4	<6.4	<2.4	<2.5
TLVW*6	<4.4	<4.6	<3.5	<8.2	42	<9.0	<4.4	<6.4	<2.4	<2.5
TLVW*7	<4.4	<4.6	<3.5	<8.2	47	<9.0	<4.4	<6.4	<2.4	<2.5
TLVW*9	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
MB*STORAGE*1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	3.5	0.0	2.2	0.0	0.0
TLVW*4	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*12	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5
TLCEDW1*13	<4.4	<4.6	<3.5	<8.2	<3.2	<9.0	<4.4	<6.4	<2.4	<2.5

SAMPLE ID	77057 8260 VINYL ACETATE UG/L	77093 8260 CIS-1,2-DICHLOROETHE UG/L	81595 8260 METHYL ETHYL KETONE UG/L	32106 8260 CHLOROFORM UG/L	34506 8260 1,1,1-TRICHLOROETHAN UG/L	94386 SUR 1,2-DICHLOROETHANE-D UG/L	95376 SUR DIBROMOFLUOROMETHANE UG/L	34531 8260 1,2-DICHLOROETHANE UG/L	32102 8260 CARBON TETRACHLORIDE UG/L	34030 8260 BENZENE UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	53	50	0.0	0.0	0.0
TLVW*8	<10	<2.4	<10	<2.5	<2.5	47	48	<2.5	<2.6	<1.0
TLVW*1	<10	<2.4	<10	<2.5	<2.5	50	47	<2.5	<2.6	<1.0
TLVW*2	<10	<2.4	<10	<2.5	<2.5	53	50	<2.5	<2.6	<1.0
TLVW*3	<10	<2.4	<10	<2.5	<2.5	54	50	<2.5	<2.6	<1.0
TLVW*5	<10	6.2	<10	4.7	58	51	50	<2.5	<2.6	<1.0
TLVW*6	<10	<2.4	<10	<2.5	9.2	52	49	<2.5	<2.6	<1.0
TLVW*7	<10	<2.4	<10	<2.5	11	50	47	<2.5	<2.6	<1.0
TLVW*9	<10	<2.4	<10	<2.5	<2.5	52	49	<2.5	<2.6	<1.0
MB*STORAGE*1	0.0	0.0	0.0	0.0	0.0	49	48	0.0	0.0	0.0
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	55	51	0.0	0.0	0.0
TLVW*4	<10	<2.4	<10	<2.5	<2.5	51	49	<2.5	<2.6	<1.0
TLCEDW1*12	<10	<2.4	<10	<2.5	<2.5	56	54	<2.5	<2.6	<1.0
TLCEDW1*13	<10	<2.4	<10	<2.5	<2.5	53	51	<2.5	<2.6	<1.0

SAMPLE ID	39180 8260 TRICHLOROETHENE UG/L	34541 8260 1,2-DICHLOROPROPANE UG/L	32101 8260 BROMODICHLOROMETHANE UG/L	34704 8260 CIS-1,3-DICHLOROPROP UG/L	81596 8260 METHYL ISO BUTYL KETO UG/L	95377 SUR TOLUENE-D8 (8260) UG/L	34010 8260 TOLUENE UG/L	34699 8260 TRANS-1,3-DICHLOROPR UG/L	34511 8260 1,1,2-TRICHLOROETHAN UG/L	95378 SUR BROMOFLUOROBENZENE (UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	52	0.0	0.0	0.0	51
TLVW*8	<3.0	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	48
TLVW*1	<3.0	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	48
TLVW*2	<3.0	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	49
TLVW*3	<3.0	<2.0	<2.2	<2.0	<12	52	<1.7	<1.6	<2.8	49
TLVW*5	7400	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	5.4	48
TLVW*6	1000	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	48
TLVW*7	1000	<2.0	<2.2	<2.0	<12	49	<1.7	<1.6	<2.8	46
TLVW*9	<3.0	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	49
MB*STORAGE*1	0.0	0.0	0.0	0.0	0.0	50	0.0	0.0	0.0	47
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	50	0.0	0.0	0.0	50
TLVW*4	16	<2.0	<2.2	<2.0	<12	50	<1.7	<1.6	<2.8	49
TLCEDW1*12	<3.0	<2.0	<2.2	<2.0	<12	55	<1.7	<1.6	<2.8	51
TLCEDW1*13	<3.0	<2.0	<2.2	<2.0	<12	49	<1.7	<1.6	<2.8	46

SAMPLE ID	34475 8260 TETRACHLOROETHENE UG/L	77103 8260 2-HEXANONE (MBK) UG/L	32105 8260 DIBROMOCHLOROMETHANE UG/L	34301 8260 CHLOROBENZENE UG/L	34371 8260 ETHYLBENZENE UG/L	81551 8260 XYLENES,TOTAL UG/L	77128 8260 STYRENE UG/L	32104 8260 BROMOFORM UG/L	34516 8260 1,1,2,2-TETRACHLOROE UG/L
MB*NONE*1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TLVW*8	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLVW*1	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLVW*2	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLVW*3	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLVW*5	37	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLVW*6	6.0	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLVW*7	7.1	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLVW*9	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
MB*STORAGE*1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MB*NONE*2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TLVW*4	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*12	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5
TLCEDW1*13	<1.9	<21	<2.3	<1.4	<1.3	<3.7	<0.50	<2.6	<1.5

QST Environmental Analytical Services
Computer QC Checks

Batch No.: G90413 Analysis Date: 04/30/98 Analyst: GREGORY LAMB Report Date: 05/13/98

	Yes	"Exceptions" No	See Batch Comments
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	C2H5CL
			CS2
			STYR
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?	X		
Surrogate present?	X		
Surrogate within acceptance criteria?	X		

See Comments

05/13/98

Note: Any "NO" answer requires a comment.

QST Environmental Analytical Services
Internal QA/QC Checklist For GC/MS Analysis

Batch No.: G90413 Analysis Date: 04/30/98 Analyst: GREGORY LAMB

	N/A	Yes	No	"Exceptions" Comment/Corrective Action
Are reported values consistent with the required units?		✓		
Are detection limits reported correctly?		✓		
Are dilution factors entered correctly?		✓		
Has continuing calibration or initial calibration passed criteria?		✓		
Have BFB (VOA) or DFTPP (NVO) tuning criteria been met?		✓		
Have internal standard responses been reviewed for reproducibility?		✓		
Does the method blank meet method-specified acceptance criteria?		✓		
For 8260A method only:				
Are all analytes in the MB < RL (except MeCl2 and acetone)?		✓		
Is MeCl2 < 2.5 times RL and acetone < 5 times RL?		✓		
If not, is an appropriate explanation provided?	✓			
For 8270B method only:				
Are all analytes in the MB < RL?	✓			
If not, is an appropriate explanation provided?	✓			
Are all analyses free of interferences from previous analyses?		✓		
If not, does the quality of the data remain unimpaired?	✓			
Do dates match from instrument logbook and raw data output?		✓		
Have all manual integrations been flagged with an M qualifier and documented with a hardcopy, dated and initialed?		✓		
Is an example calculation provided?		✓		
Has the batch documentation checklist been completed?		✓		
Were the first extracts/digests prepped from this sample used for sample analysis?	✓			
If not, is an appropriate explanation provided?	✓			
Has the lot number for the solvent used for sample extraction been entered into the instrument logbook on the page used for daily analysis?	✓			
Have DDT/DDE/DDD breakdown and tailing factors been calculated and documented in the batch?	✓			

Note: Any "NO" answer requires a comment.
Additional Comments:

Completed By [signature]
Date 05/13/98

Reviewed By [signature]
Date 5/13/98

Notification of appropriate Laboratory Coordinators required for "Exceptions":

Signature	Date	Comments
NSP	5/22/98	

BATCH OVERRIDE BY:

FINALIZED BY:

Updated by 1752

C2H5CL,CS2,STYR were slightly out on SP1. These compounds were not reported as hits on any samples. GGL 05/11/98

Analyst _____ DATE 05/13/98

Reviewer _____ DATE 5/13/98

QST Environmental - Standard Prep Logbook

1582-02-1

Project VSBM13 * 8260/APP IV Solution

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502B-10X/M-601B-10X/M-502C-01
DESCRIPTION: Volatile Organic Cmpnds - Gases
LOT #: A8010242
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Bromomethane	74-83-9	99.0	2015	1995
Chloroethane	75-00-3	99.0	2009	1989
Chloromethane	74-87-3	99.0	2008	1988
Dichlorodifluoromethane	75-71-8	99.0	2002	1982
Trichlorofluoromethane	75-69-4	99.0	2002	1982
Vinyl chloride	75-01-4	99.0	2001	1981

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-ADD-10X
DESCRIPTION: Method 8260 Additions
LOT #: A8020225
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Acetone	67-64-1	99.7	2000	1994
2-Butanone	78-93-3	99.3	2000	1986
Carbon disulfide	75-15-0	99.0	2000	1980
2-Chloroethylvinyl ether	110-75-8	100	2000	2000
2-Hexanone	591-78-6	99.4	2000	1988
Iodomethane	74-88-4	99.0	2000	1980
4-Methyl-2-pentanone	108-10-1	99.0	2000	1980
Vinyl acetate	108-05-4	99.9	2000	1998

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502A-R-10X
DESCRIPTION: Volatile Organic Compounds - Liquids
LOT #: A7040270
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Benzene	71-43-2	99.8	2000	1995
Bromobenzene	108-86-1	99.5	2000	1990
Bromochloromethane	74-97-5	99.2	2000	1984
Bromodichloromethane	75-27-4	99.0	2002	1982
Bromoform	75-25-2	99.5	2002	1992
n-Butylbenzene	104-51-8	99.9	2000	1998
sec-Butylbenzene	135-98-8	100	2000	2000
tert-Butylbenzene	98-06-6	99.0	2000	1980
Carbon tetrachloride	56-23-5	99.9	2002	2000
Chlorobenzene	108-90-7	99.9	2000	1998
Chloroform	67-66-3	99.2	2000	1984
2-Chlorotoluene	95-49-8	99.9	2000	1998
4-Chlorotoluene	106-43-4	99.3	2000	1986
Dibromochloromethane	124-48-1	100 (GC/MS)	2003	2003
1,2-Dibromo-3-chloropropane	96-12-8	99.2	2009	1993
1,2-Dibromoethane	106-93-4	99.1	2009	1991
Dibromomethane	74-95-3	99.6	2002	1974
1,2-Dichlorobenzene	95-50-1	99.8	2000	1996
1,3-Dichlorobenzene	541-73-1	99.8	2000	1996
1,4-Dichlorobenzene	106-46-7	99.9	2000	1998
1,1-Dichloroethane	75-34-3	99.0	2000	1980
1,2-Dichloroethane	107-06-2	99.0	2002	1982
1,1-Dichloroethene	75-35-4	99.5	2001	1991
cis-1,2-Dichloroethene	156-59-2	99.6	2003	1995
trans-1,2-Dichloroethene	156-60-5	99.1	2001	1983
1,2-Dichloropropane	78-87-5	99.5	2008	1998
1,3-Dichloropropane	142-28-9	99.4	2002	1990
2,2-Dichloropropane	594-20-7	99.5	2001	1991
1,1-Dichloropropene	563-58-6	97.0	2064 *	2002
cis-1,3-Dichloropropene	10061-01-5	94.3	2094 *	1905
trans-1,3-Dichloropropene	10061-02-6	94.3	1923 *	1813
Ethylbenzene	100-41-4	99.0	2000	1980
Hexachlorobutadiene	87-68-3	99.1	2000	1985
Isopropylbenzene	98-82-8	100	2000	2000
p-Isopropyltoluene	99-87-6	99.4	2000	1988
Methylene chloride	75-09-2	99.9	2000	2001
Naphthalene	91-20-3	100	2000	2000
n-Propylbenzene	103-65-1	99.0	2000	1980
Styrene	100-42-5	99.7	2000	1994
1,1,1,2-Tetrachloroethane	630-20-6	99.0	2002	1982
1,1,2,2-Tetrachloroethane	79-34-5	99.8	2000	1996
Tetrachloroethene	127-18-4	99.6	2002	1994
Toluene	108-88-3	100	2000	2000
1,2,3-Trichlorobenzene	87-61-6	100	2000	2000
1,2,4-Trichlorobenzene	120-82-1	99.6	2001	1993
1,1,1-Trichloroethane	71-55-6	99.4	2000	1988
1,1,2-Trichloroethane	79-00-5	99.7	2004	1978
Trichloroethene	79-01-6	99.6	2004	1986

* Weight compensated to 100% purity

1. All weights are traceable through National Bureau of Standards Test No. 79 I/2-03699 'a'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

This product was manufactured to meet the quality system requirements of ISO 9001

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

CATALOG NO. APP-8-048-R1-20X
DESCRIPTION: Appendix 9 Compound
LOT: A8020327
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
*Chloroprene	126-99-8	98.5	2008	1978

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-603-10X
DESCRIPTION: Acrolein & Acrylonitrile
LOT #: A8010002
SOLVENT: water
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (mg/mL)	Analyte Concentration[2] (mg/mL)
Acrolein	107-02-8	97.0	11.49 *	10.00
Acrylonitrile	107-13-1	99.8	10.01	10.00

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502A-R-10X
DESCRIPTION: Volatile Organic Compounds - Liquids
LOT #: A7040270
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
1,2,3-Trichloropropane	96-18-4	99.0	2002	1982
1,2,4-Trimethylbenzene	95-63-6	99.4	2000	1988
1,3,5-Trimethylbenzene	108-67-8	98.2	2000	1964
o-Xylene	95-47-6	99.0	2000	1980
m-Xylene	108-38-3	99.9	2000	1998
p-Xylene	106-42-3	100	2000	2000

54 Components

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240C-R3-10X
DESCRIPTION: Appendix IX Volatiles Mix
LOT #: A7090006
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Rec. 03-02-98

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (mg/mL)	Analyte Concentration[2] (mg/mL)
Acetonitrile	75-05-8	99.9	20.00	19.98
Allyl chloride	107-05-1	99.8	2.01	2.00
cis-1,4-Dichloro-2-butene	1476-11-5	96.8	2.067 *	2.001
trans-1,4-Dichloro-2-butene	110-57-6	98.2	2.01	1.97
1,4-Dioxane	123-91-1	99.7	40.00	39.88
Ethanol	64-17-5	100	40.01	40.01
Ethyl methacrylate	97-63-2	99.0	2.01	1.99
Isobutyl alcohol	78-83-1	99.8	40.02	39.94
Methacrylonitrile	126-98-7	99.0	20.02	19.82
Methyl methacrylate	80-62-6	100	2.01	2.01
Pentachloroethane	76-01-7	99.4	2.03 *	2.01
Propionitrile	107-12-0	99.8	20.01	19.79

[signature] 03-25-98

[signature] 3/25/02

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BOOK # B-1582

PAGE # 2 of 2

0002

000564

QST Environmental - Standard Prep Logbook

Project IS82634 * Internal Standard 8260 1582-07-1

① 200 ul of Internal standard mix was added to 600 ul of Baxter/B&J brand Methanol, lot # BQ076, in a Wheaton vial and sealed.

Fractions A→F were prepared. Expires: 04-27-98

$$\left(\frac{200\ ug}{ml}\right)\left(0.2\ ml\right)\left(\frac{1}{0.8\ ml}\right) = 50\ ug/ml$$

AccuStandard Inc.

25 Science Park • New Haven, CT 06511
Phone 800-442-5290 • 203-786-5290

M-8260-IS
Internal Standard Mix
0.2 mg/mL in MeOH
Lot A7090122
Exp. 11-1-98

Storage: AMBIENT
4 comps.

Rec 10-09-97

1 mL

MADE IN THE USA

For Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-IS
DESCRIPTION: Internal Standard Mix
LOT #: A7090122
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/MS)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Chlorobenzene-d5	3114-55-4	100	200.4	200.4
1,4-Dichlorobenzene-d4	3855-82-1	100	200.2	200.2
1,4-Difluorobenzene	540-36-3	99.8	200.8	199.4
Pentafluorobenzene	363-72-4	99.7	200.6	200.2

Rec. 10-09-97

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 7212-03609 'S'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

This product was manufactured to meet the quality system requirements of ISO 9001

[signature] 03-27-98

[signature] 3/27/98

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BOOK # 1582

PAGE # 1 of 1

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000565

QST Environmental - Standard Prep Logbook

Project SSWSR21 * 8260 Surrogate Standard 1582-24-1

① 200 ul of surrogate standard mix was added to 600 ul of Baxter/B+J brand Methanol, lot # BQ076, in a Wheaton vial and sealed. ~~Five~~ Six fractions were prepared and denoted as: SSWSR21 * A → F

WD DRC 4-13-98 ~~4-13-98~~

$$\left(200\,ug/ml\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$ Expires: 05-13-98

AccuStandard Inc.

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Phone 800-442-5290 • 203-786-5290

M-8240/60-SS
Surrogate Standard VOA Mix
0.2 mg/mL in MeOH
Lot A7080001
Exp. Mar 1999

Rec. 02-19-98

1 mL

Storage: AMBIENT
4 comps.

CARCINOGENIC
MADE IN THE USA

For Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240/60-SS
DESCRIPTION: Surrogate Standard VOA Mix
LOT #: A7080001
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
p-Bromofluorobenzene	460-00-4	100	200.1	200.1
Dibromofluoromethane	1868-53-7	99.9	200.4	200.2
1,2-Dichloroethane-d4	17060-07-0	99.9	200.4	200.2
Toluene-d8	2037-26-5	100	200.5	200.5

Rec. 02-19-98

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 731/243669 Y
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

This product was manufactured to meet the quality system requirements of ISO 9001

Daniel C. Luco 04-13-98 Kelly Jr. Russell Keller 4/14/98

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00024

000566

PROJECT: 1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon-1,1,3)

Notebook No. 1487

Continued From Page

① 200 ul of Freon-1,1,3 was added to 600 ul of Baxter/B+J brand Methanol, lot # ~~BM457~~ BQ076 in a Wheaton vial and sealed. Fractions A→E were prepared.

DDL 02-24-98

$$\left(200\,ug/ml\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$

1487-78-1

Expires: 08-24-98

AccuStandard Inc.

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Phone 800-442-5290 • 203-786-5290

M-REF-14/S-257C
1,1,2-Trichloro-1,2,2-trifluoroethane
0.2 mg/mL in MeOH
Lot A7050308
Exp. 9-1-98

Rec. 8.27.97

1 mL

Storage: REFRIGERATE

MADE IN THE USA

For Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

CATALOG NO. M-REF-14/S-257C
DESCRIPTION: Refrigerant (Freon 113)
LOT: A7050308
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Rec. 08-27-97 DCL

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	99.3	200.1	198.7

1. All weights are traceable through National Bureau of Standards Test No. 731/243009 'a'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

This product was manufactured to meet the quality system requirements of ISO 9001

Continued on Page

Read and Understood By

Signed	Date	Signed	Date
Daniel C. Lucas	02-24-98	Kelly A. Russell-Keller	4/24/98

QST Environmental - Standard Prep Logbook

Project IS82636 * Internal Standard 8260 1582-31-1

① 200 ul of Internal standard mix was added to 600 ul of Baxter/B+J brand Methanol, lot #BQ076, in a Wheaton vial and sealed. Six fractions were prepared and denoted as: IS82636 * A → F

$$\left(200\,ug/ml\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$

Expires: 05-21-98

AccuStandard Inc.

25 Science Park • New Haven, CT 06511
Phone 800-442-5290 • 203-786-5290

M-8260-IS
Internal Standard Mix
0.2 mg/mL in MeOH
Lot: A7090122
Exp: Apr 1, 1999

Rec. 03-02-98

1 mL

Storage: AMBIENT
4 comps.

r Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-IS
DESCRIPTION: Internal Standard Mix
LOT #: A7090122
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/MS)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Chlorobenzene-d5	3114-55-4	100	200.4	200.4
1,4-Dichlorobenzene-d4	3855-82-1	100	200.2	200.2
1,4-Difluorobenzene	540-36-3	98.8	200.8	198.4
Pentafluorobenzene	363-72-4	99.7	200.8	200.2

Rec. 03-02-98

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 731/243669 'a'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

QR-CRG-004 Rev. 0 8/95

This product was manufactured to meet the quality system requirements of ISO 9001

Daniel C. Luco 04-21-98 [signature] 4/29/98

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QST Environmental - Standard Prep Logbook

Project SSWSR21 * 8260 Surrogate Standard 1582-24-1

① 200 ul of surrogate standard mix was added to 600 ul of Baxter/B+J brand Methanol, lot # BQ076, in a Wheaton vial and sealed. ~~Five~~ Six fractions were prepared and denoted as: SSWSR21 * A → F

~~WD~~ DCC ~~4-13-98~~ 4-13-98

$$\left(200\,ug/ml\right)\left(0.2\,ml\right)\left(\frac{1}{0.8\,ml}\right) = 50\,ug/ml$$ Expires: 05-13-98

AccuStandard Inc.

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Phone 800-442-5290 • 203-786-5290

M-8240/60-SS
Surrogate Standard VOA Mix
0.2 mg/mL in MeOH
Lot: A7080001
Exp. Mar 1999

Rec. 02-19-98

1 mL

Storage: AMBIENT
4 comps.

CARCINOGENIC
MADE IN THE USA

For Research Use Only

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240/60-SS
DESCRIPTION: Surrogate Standard VOA Mix
LOT #: A7080001
SOLVENT: MeOH

EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
p-Bromofluorobenzene	460-00-4	100	200.1	200.1
Dibromofluoromethane	1868-53-7	99.9	200.4	200.2
1,2-Dichloroethane-d4	17060-07-0	99.9	200.4	200.2
Toluene-d8	2037-26-5	100	200.5	200.5

Rec. 02-19-98

4 Components

1. All weights are traceable through National Bureau of Standards Test No. 731/243669 'a'
2. Analyte Concentration = Purity x Gravimetric Concentration

Certified by: [signature]

QR-ORG-004 Rev. 0 3/98

This product was manufactured to meet the quality system requirements of ISO 9001

Daniel C. Luco 04-13-98 Kelly M. Russell Keller 4/14/98

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QST Environmental - Standard Prep Logbook

Project CLPVS111 * Standards Solution 1582-18-1

Certificate of Analysis

DESCRIPTION: EPA Purgeable A

Rec. 03-11-98

CATALOG NO.: 4-8851 MFG DATE: Jul-1997

LOT NO.: LA-68545 EXPIRATION DATE: Jul-2000

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
CARBON TETRACHLORIDE	56-23-5	99.0	200.4	200.6	+/-	0.5	LA55581
CHLOROBENZENE	108-90-7	98.3	199.6	201.6	+/-	1.3	LA65303
CHLOROFORM	67-66-3	99.0	200.0	200.5	+/-	3.9	LA55584
DIBROMOCHLOROMETHANE	124-48-1	98.2	200.0	201.7	+/-	0.7	LA67079
METHYLENE CHLORIDE	75-09-2	99.0	200.4	194.6	+/-	1.7	LA55594
TETRACHLOROETHENE	127-18-4	99.0	200.4	200.7	+/-	2.5	LA42649
TRICHLOROETHYLENE	79-01-6	98.7	200.4	202.1	+/-	2.0	LA53375
TRICHLOROFLUOROMETHANE	75-69-4	99.0 (a)	200.2	206.0	+/-	2.663	LA38821
1,1-DICHLOROETHANE	75-34-3	99.0	200.4	199.5	+/-	1.2	LA54711
1,1-DICHLOROETHYLENE	75-35-4	99.0	200.0	197.5	+/-	0.8	LA56846
1,1,2-TRICHLOROETHANE	79-00-5	99.0	200.4	200.0	+/-	1.0	LA40726
1,2-DICHLOROPROPANE	71-67-5	99.0	200.4	200.2	+/-	2.4	LA38745
2-CHLOROETHYL VINYL ETHER	110-75-8	98.1	199.6	202.1	+/-	0.7	LA43331

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL
(3) Quantity of analyte weighed into solution (ug/ml, +/- 0.5%). Weights of analytes less than 98% pure are corrected for impurities. Certified weights are not applicable to ampuls stored after opening.
(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of triplicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its p
Purchaser must determine th
catalog or order invoice and

Certificate of Analysis

DESCRIPTION: EPA Purgeable B

CATALOG NO.: 4-8852 Rec. 03-11-98 MFG DATE: Sep-1997

LOT NO.: LA-70373 EXPIRATION DATE: May-2000

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BENZENE (5)	71-43-2	99.0	200.2	*****			LA55282
BROMODICHLOROMETHANE	75-27-4	96.7	200.2	198.5	+/-	0.80	LA47672
BROMOFORM	75-25-2	99.0	199.8	198.8	+/-	0.74	LA56679
CIS 1,3-DICHLOROPROPENE (E)	10061-01-5	99.0	199.8	203.3	+/-	0.42	LA59646
ETHYLBENZENE	100-41-4	99.0	200.0	201.0	+/-	0.17	LA38982
TOLUENE	108-88-3	99.0	200.0	202.4	+/-	0.18	LA55292
TRANS 1,3-DICHLOROPROPENE (E)	10061-02-6	99.0	200.2	200.0	+/-	0.31	LA60781
TRANS-1,2-DICHLOROETHYLENE	156-60-5	99.0	200.0	210.5	+/-	1.76	LA54963
1,1,1-TRICHLOROETHANE	71-55-6	99.0	200.0	203.0	+/-	1.07	LA38367
1,1,2,2-TETRACHLOROETHANE	79-34-5	98.0	199.0	199.1	+/-	1.10	LA62376
1,2-DICHLOROETHANE (5)	107-06-2	99.0	200.2	*****			LA51876

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is +/- 0.5% based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.
(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of triplicate injections.
(5) These products coelute and are not quantified in the final mix.

Elwood Doughty
ood Doughty
ality Control Supervisor

Certificate of Composition

DESCRIPTION: EPA Purgeable C

CATALOG NO.: 4-8853 MFG DATE: Sep-1997

LOT NO.: LA-70209 EXPIRATION DATE: Dec-1998

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
BROMOETHANE	74-83-9	98.7 (a)	200.0	LA57571
CHLOROETHANE	75-00-3	99.0 (a)	200.0	LA57235
CHLOROETHANE	74-87-3	99.0	200.0	LA60796
VINYL CHLORIDE	75-01-4	99.0 (a)	200.0	LA56198

Rec. 03-11-98

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL
(3) Quantity of analyte weighed into solution (ug/ml, +/- 0.5%). Weights of analytes less than 98% pure are corrected for impurities. Certified weights are not applicable to ampuls stored after opening.

SUPELCO
Bupelco Park • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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16823-0048 USA • Phone (814) 359-3441

Daniel C. Lucas 04-02-98 Kelly A. Russell Kelly 4/3/98

QST Environmental - Standard Prep Logbook

Project VSBM14 * 8260/APP IX Solution 1582-33-1

① All solutions were transfered to auto-sampler vials and sealed.

② Acrolein + Acrylonitrile were diluted to 2000 ug/ml. 1ml → 5ml of MeOH, lot # BQ076. $\left(\frac{10{,}000\,ug}{ml}\right)\left(\frac{1\,ml}{1}\right)\left(\frac{1}{5.0\,ml}\right) = 2000\,ug/ml$

③ A 10.0ml volumetric flask was filled with 5ml of Baxter/B+J brand Methanol, lot # BQ076.

④ 0.250ml of each solution was added to the flask using a gas tight syringe. Brought to volume with Methanol and inverted 3x.

⑤ The solution was transfered to Wheaton vials and sealed.

⑥ The vials were denoted as: VSBM14 * A → F Expires: 05-23-98

$\left(\frac{0.250\,ml}{1}\right)\left(\frac{2000\,ug}{ml}\right)\left(\frac{1}{10.0\,ml}\right) = 50\,ug/ml$

AccuStandard Inc. 25 Science Park • New Haven, CT 06511 Phone 800-442-5290 • 203-786-5290

M-502A-R-10X
Volatile Organic Compounds - Liquids
2.0 mg/mL in MeOH
Lot: A7040270
Exp: April-1-1999
Storage: REFRIGERATE
54 comps.
Rec. 3-27-98
1 mL
MADE IN THE USA
For Research Use Only

AccuStandard Inc. 25 Science Park • New Haven, CT 065 Phone 800-442-5290 • 203-786-5290

M-502B-10X/M-601B-10X/M-502C-01
Volatile Organic Cmpnds - Gases
2.0 mg/mL in MeOH
Lot: A8010242
Exp: April-1-1999
Storage: REFRIGERATE
6 comps.
Rec. 3-27-98
1 mL
MADE IN THE USA

AccuStandard Inc. 25 Science Park • New Haven, CT 06 Phone 800-442-5290 • 203-786-529

M-8240C-R3-10X
Appendix IX Volatiles Mix
Varied conc. in MeOH
Lot: A8020341
Exp: April-1-1999
Storage: REFRIGERATE
12 comps.
Rec. 3-27-98
1 mL
MADE IN THE USA

AccuStandard Inc. 25 Science Park • New Haven, CT Phone 800-442-5290 • 203-786-52

M-8260-ADD-10X
Method 8260 Additions
2.0 mg/mL in MeOH
Lot: A8030034
Exp: Jul 4, 1998
Storage: FREEZER
8 comps.
Rec. 3-27-98
1 mL
CARCINOGENIC
MADE IN THE USA
For Research Use Only

AccuStandard Inc. 25 Science Park • New Haven, CT 06511 Phone 800-442-5290 • 203-786-5290

APP-9-048-R1-20X
Chloroprene
2.0 mg/mL in MeOH
Lot: A8020327
Exp: Jun 25, 1998
Storage: FREEZER
Rec. 3-27-98
1 mL
POISON
MADE IN THE USA
For Research Use Only

AccuStandard Inc. 25 Science Park • New Haven, CT 06511 Phone 800-442-5290 • 203-786-5290

M-603-10X
Acrolein & Acrylonitrile
10.0 mg/mL in water
Lot: A8020184
Exp: Jun 16, 1998
Storage: FREEZER
2 comps.
Rec. 3-27-98
1 mL
CARCINOGENIC
MADE IN THE USA
For Research Use Only

David C. Lucas 04-23-98 4/23/98

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QST Environmental - Standard Prep Logbook

Project VSBM14 * 8260/APP IX Solution

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-603-10X
DESCRIPTION: Acrolein & Acrylonitrile
LOT #: A8020184
SOLVENT: water
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (mg/mL)	Analyte Concentration[2] (mg/mL)
Acrolein	107-02-8	87.0	11.50 *	10.01
Acrylonitrile	107-13-1	99.9	10.00	9.99

Rec. 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

CATALOG NO. APP-9-048-R1-20X
DESCRIPTION: Appendix 9 Compound
LOT: A8020327
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Chloroprene	126-99-8	96.5	2008	1978

Rec 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8260-ADD-10X
DESCRIPTION: Method 8260 Additions
LOT #: A8030034
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Acetone	67-64-1	99.7	2000	1994
2-Butanone	78-93-3	99.3	2000	1986
Carbon disulfide	75-15-0	99.0	2000	1983
2-Chloroethylvinyl ether	110-75-8	100	2000	2000
2-Hexanone	591-78-6	99.4	2000	1988
Iodomethane	74-88-4	99.9	2000	1998
4-Methyl-2-pentanone	108-10-1	98.0	2000	1960
Vinyl acetate	108-05-4	99.9	2001	1999

Rec 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502B-10X/M-601B-10X/M-502C-01
DESCRIPTION: Volatile Organic Cmpnds - Gases
LOT #: A8010242
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Bromomethane	74-83-9	99.0	2015	1995
Chloroethane	75-00-3	99.0	2009	1989
Chloromethane	74-87-3	99.0	2008	1988
Dichlorodifluoromethane	75-71-8	99.0	2002	1982
Trichlorofluoromethane	75-69-4	99.0	2002	1982
Vinyl chloride	75-01-4	99.0	2001	1981

Rec. 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-8240C-R3-10X
DESCRIPTION: Appendix IX Volatiles Mix
LOT #: A8020341
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Acetonitrile	75-05-8	99.9	2009	2009
Allyl chloride	107-05-1	99.9	2000	1980
cis-1,4-Dichloro-2-butene	110-57-6	99.9	2000	2000
trans-1,4-Dichloro-2-butene	110-57-6	99.9	2000	1970
1,4-Dioxane	123-91-1	99.7	3997	3987
Ethanol	64-17-5	100	4000	4000
Ethyl methacrylate	97-63-2	99.9	2002	1992
Isobutyl alcohol	78-83-1	99.9	2000	1990
Methacrylonitrile	126-98-7	99.9	2000	2000
Methyl methacrylate	80-62-6	100	2000	2000
Pentachloroethane	76-01-7	99.9	2000	1994
Propionitrile	107-120	99.9	2001	1991

Rec. 03-27-98

AccuStandard Inc.
25 Science Park
New Haven, CT 06511

CERTIFICATE OF PRODUCT DATA

PRODUCT: M-502A-R-10X
DESCRIPTION: Volatile Organic Compounds - Liquids
LOT #: A7040270
SOLVENT: MeOH
EXPIRATION: On-going Stability Program

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
Benzene	71-43-2	99.9	2000	1998
Bromobenzene	108-86-1	99.9	2000	1998
Bromodichloromethane	75-27-4	99.0	2000	1980
Bromoform	75-25-2	99.0	2000	1980
n-Butylbenzene	104-51-8	99.9	2000	1998
sec-Butylbenzene	135-98-8	99.9	2000	1998
tert-Butylbenzene	98-06-6	99.9	2000	1998
Carbon tetrachloride	56-23-5	99.9	2000	1998
Chlorobenzene	108-90-7	99.9	2000	1998
Chloroform	67-66-3	99.9	2000	1998
2-Chlorotoluene	95-49-8	99.9	2000	1998
4-Chlorotoluene	106-43-4	99.9	2000	1998
Dibromochloromethane	124-48-1	110 (GCMS)	2000	2200
1,2-Dibromo-3-chloropropane	96-12-8	99.1	2000	1982
1,2-Dibromoethane	106-93-4	99.9	2000	1998
Dibromomethane	74-95-3	99.9	2000	1998
1,2-Dichlorobenzene	95-50-1	99.9	2000	1998
1,3-Dichlorobenzene	541-73-1	99.9	2000	1998
1,4-Dichlorobenzene	106-46-7	99.9	2000	1998
Dichloroethane	75-34-3	99.9	2000	1998
Dichloroethane	107-06-2	99.9	2000	1998
1,1-Dichloroethane	75-35-4	99.9	2000	1998
cis-1,2-Dichloroethane	156-59-2	99.9	2000	1998
trans-1,2-Dichloroethane	156-60-5	99.1	2000	1982
1,2-Dichloropropane	78-87-5	99.9	2000	1998
1,3-Dichloropropane	142-28-9	99.9	2000	1998
2,2-Dichloropropane	594-20-7	99.9	2000	1998
1,1-Dichloropropane	563-58-6	97.0	2000	1940
cis-1,3-Dichloropropane	10061-01-5	99.9	2000	1998
trans-1,3-Dichloropropane	10061-02-6	99.9	2000	1998
Ethylbenzene	100-41-4	99.9	2000	1998
Hexachlorobutadiene	87-68-3	99.9	2000	1998
Isopropylbenzene	98-82-8	99.9	2000	1998
p-Isopropyltoluene	99-87-6	99.9	2000	1998
Methylene chloride	75-09-2	99.9	2000	1998
Naphthalene	91-20-3	99.9	2000	1998
n-Propylbenzene	103-65-1	99.7	2000	1994
Styrene	100-42-5	99.9	2000	1998
1,1,1,2-Tetrachloroethane	630-20-6	99.9	2000	1998
1,1,2,2-Tetrachloroethane	79-34-5	99.9	2000	1998
Tetrachloroethene	127-18-4	99.9	2000	1998
Toluene	108-88-3	100	2000	2000
1,2,3-Trichlorobenzene	87-61-6	99.9	2000	1998
1,2,4-Trichlorobenzene	120-82-1	99.9	2000	1998
1,1,1-Trichloroethane	71-55-6	99.9	2000	1998
1,1,2-Trichloroethane	79-00-5	99.9	2000	1998
Trichloroethene	79-01-6	99.9	2000	1998

Component	CAS #	Purity % (GC/FID)	Gravimetric Concentration[1] (µg/mL)	Analyte Concentration[2] (µg/mL)
1,2,3-Trichloropropane	96-18-4	99.9	2000	1998
1,2,4-Trimethylbenzene	95-63-6	99.9	2000	1998
1,3,5-Trimethylbenzene	108-67-8	99.9	2000	1998
o-Xylene	95-47-6	99.9	2000	1998
m-Xylene	108-38-3	99.9	2000	1998
p-Xylene	106-42-3	100	2000	2000

Rec 03-27-98

Pamela C. Luca 04-23-98 04/23/98

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QST Environmental - Standard Prep Logbook

Project MATSPK30 * Matrix Spike Solution 1582-35-1

① 1.0ml of CLP Matrix Spike Solution @ 250 ug/ml was added to a 5.0ml volumetric flask containing Baxter/B+J brand Methanol, lot# BQ07L, brought to volume and mixed. Five fractions were prepared and denoted as: MATSPK30 * A-E. Expires: 05-24-98

NOTEBOOK INSERT LABEL

Volatile Organic Compound Matrix Spike Mix 4-8399
Lot: LA58862 EXP: JUN/1999 STORAGE: REFRIGERATE 1 x 1ml

DATE RECEIVED: 03-26-98

SUPELCO
Supelco Park • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

Certificate of Analysis

DESCRIPTION: Volatile Organic Compound Matrix Spike Mix

CATALOG NO.: 4-8399 MFG DATE: Jun-1998

LOT NO.: LA-58862 EXPIRATION DATE: Jun-1999

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3)	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BENZENE	71-43-2	99.0	250.0	256.3	+/-	0.65	LA45733
CHLOROBENZENE	108-90-7	99.0	250.0	253.6	+/-	0.34	LA40231
TOLUENE	108-88-3	99.0	250.0	252.5	+/-	0.75	LA58592
TRICHLOROETHYLENE	79-01-6	98.3	250.0	254.1	+/-	0.60	LA40152
1,1-DICHLOROETHYLENE	75-35-4	99.0	250.4	254.8	+/-	0.57	LA54962

Rec 03-26-98

(1) Listed in alphabetical order.
(2) Determined by capillary GC-FID, unless otherwise noted.
(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is +/- 0.5% based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure. Certified weights are not applicable after opening.
(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of triplicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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Daniel C. Lucas 04-24-98 Kelly Russell Keller 4/27/98

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SIGNIFICANT ANALYTICAL DATES

1. DATE INITIAL CALIBRATION WAS PERFORMED THAT IS USED FOR CONTINUING CALIBRATION COMPARISON

   1. 4/17/98

2. DATE OF SAMPLE ANALYSIS

   2. 4/29, 30/98

3. DATE CONTINUING CALIBRATION STANDARD ANALYSIS WAS PERFORMED

   3. 4/29, 30/98

RRF from which calibration (circle one of the following):

continuing standard (daily RRF)

initial calibration (average RRF)

Chemist's Signature _____

Date 05/07/98

Dept. Manager's Signature _____

Date 5/12/98

8260 EXAMPLE CALCULATION FOR DIBROMOFLUOROMETHANE

FILE: 03620

1,4 DIFLUOROBENZENE(IS) AREA COUNTS: ~~03620~~ ~~666051~~ 1260791 WF 05/11/98

AMOUNT OF INTERNAL STANDARD (ng): 250

DIBROMOFLUOROMETHANE AREA COUNTS: 400564

SOURCE FILE OF RESPONSE FACTOR: Avg of calib

DIBROMOFLUOROMETHANE RESPONSE FACTOR: 0.317

$$\mu g/L = \frac{(I_S)(A_X)}{(A_{IS})(RRF)(V_O)}$$

Where:

A_X = Area of the characteristic ion for the compound to be measured

A_{IS} = Area of the characteristic ion for the internal standard

I_S = Amount of internal standard added in nanograms

V_O = Volume of water purged in milliliters (mL)

WF 05/11/98

$$\mu g/L = \frac{(\cancel{666051}\ 400564)(250)}{(\cancel{666051}\ 1260791)(0.317)(5)} = 50.1$$

Signature [signature] Date 05/11/98